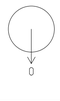
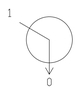
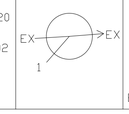
Manhole Number	Cover Level	Connections	Pipe				Manhole Size	Types		Other Detail				
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover	Depth & Size (mm)	Means of Access	Safety Chains	Handrails	Invert Access Steps
S1 E= 370725.938 N= 434547.116	87.440 1.225		0	1.000	85.990	225	1350	TYPE C FIGURE B15	D400	150 1200 x 675 1200 x 675 COVER SLAB OPENING	Double Steps	No	No	No
S2 E= 370734.549 N= 434550.626	87.171 1.292		1 0	1.000 1.001	85.654 85.654	225 225	1500	TYPE C FIGURE B15	D400	150 600 x 600 750 x 600 COVER SLAB OPENING	Double Steps	No	No	No
S3 E= 370739.513 N= 434563.998	86.590 1.647		1 0	1.001 1.002	84.718 83.743	225 4000x1200 CELLULAR	2400	SPECIAL	D400	150 600 x 600 750 x 600 COVER SLAB OPENING	Double Steps	No	No	No
SHB E= 370739.140 N= 434577.458	86.132 2.200		1 0	1.002 1.003	83.707 83.707	4000x1200 CELLULAR 225	2700	HB	D400	150 1200 x 675 1200 x 675 COVER SLAB OPENING	Double Steps	No	No	No
C1 E= 370738.455 N= 434588.247	86.180 0.903		RM 0		85.127 85.127	TBC 150	1500	TYPE C FIGURE B15	D400	150 1200 x 675 1200 x 675 COVER SLAB OPENING	Double Steps	No	No	No
C2 E= 370734.568 N= 434600.069 ***	86.508 1.314		1 0	1.005 1.006	85.044 85.044	150 150	1200	TYPE C FIGURE B15	D400	150 1200 x 675 1200 x 675 COVER SLAB OPENING	Double Steps	No	No	No
EX CW MH 7600 E= 370738.576 N= 434604.615 ***	86.320 1.402		1 EX. EX.		85.918 84.768 (TBC) 84.768 (TBC)	150 300 300	EX 1000	EX	EX	EX	EX	EX	EX	EX

*** APPROXIMATE CO-ORDINATES - EXACT POSITION TO BE CONFIRMED ON SITE

MANHOLES TO BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION GUIDANCE - MAY 2021

MANHOLE LADDER TO BE CONSTRUCTED IN LINE WITH DESIGN AND CONSTRUCTION GUIDE CLAUSE DCG CLAUSE E2.37

ROCKER PIPES WILL BE USED IN LINE WITH DESIGN AND CONSTRUCTION GUIDANCE

NOTE ALL CONNECTIONS TO BE MADE SOFFIT LEVEL UNLESS INDICATED OTHERWISE

PLEASE NOTE THAT THIS DRAWING IS ISSUED FOR INFORMATION/TENDER PURPOSES ONLY UNTIL TECHNICAL APPROVAL HAS BEEN GRANTED.
ANY WORK UNDERTAKEN PRIOR TO TECHNICAL APPROVAL BEING GRANTED IS AT THE CLIENTS RISK.

GENERAL

1. All adoptable sewers and associated works are to comply fully with "Design and Construction Guidance" & Local Practices
2. All highway works to be to adoptable standards and to to comply fully with the Local Authority specification.
3. All private drainage works are to comply fully with part H of the Building Regulations
4. All existing invert levels to be checked by the Contractor at the start of works and any discrepancies notified to REFA.
   All levels are based on topographical survey information provided by others.
5. All materials to bear the relevant B.S.Kitemark and comply fully with the specifications.
   All concrete & concrete products must use Sulphate resistant cement (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur)
6. All opening notices etc. as required under highways acts etc. are to be obtained prior to commencement of works.
   All works are to be inspected by L.A., NHBC or Relevant Water Authority as applicable.

C.D.M. REGULATIONS 2015

In line with the above regulations we are obliged to inform the Client of their responsibilities under section CDM 15/1, and residual risks that may be encountered in the construction of these works.
All design work has been carried out with Health and Safety aspects given full consideration.
Wherever possible risks have been eliminated from the design, however due to the very nature of this type of work it is not possible to remove all the risks from the design.
We would also respectfully remind the Client of his obligations to take all reasonable steps in ensuring that only competent Contractors who have a valid safety policy are employed.
They should also provide satisfactory responses at tender stage as to the manner in which they will deal with the elements of risk involved in this type of work and in particular those highlighted by REFA below:-

1. Support / treatment for ALL excavation work.
2. Guarding to edges of excavations to prevent people,materials and vehicles falling into excavation.
3. Guarding of excavations outside working hours to prevent unauthorised access.
4. Undermining to adjacent roads or structures.
5. Confined space operations.
6. Dealing with existing services.
7. Traffic management on existing highways.
8. Procedure to be followed in event of accident or emergency.
9. Method of working where contaminated ground is present on site.
10. Confirmation will be required that all operatives are adequately trained, copies of relevant training certificates to be supplied.

The above list is by no means exhaustive but it does highlight operations that present a risk to contractors and the general public.
For clarification on any item please contact REFA.

rev	Revision details	Rev.By	Date
A	OUTFALL CONNECTION REVISED AS PER CLIENT REQUEST	AS	31.12.24

smas worksafe designer as recognised by SSIP SAFETY SCHEMES IN PROCUREMENT www.smasltd.com

Drawing Stage			Drawing Status		
	Draft		Comments		Tender
●	Issued	●	Information		Construction
			Approval		As Built

Client
ALDERLEY PARTNERSHIPS

Job title
NORTHCOTE ROAD LANGHO

Drawing title
MANHOLE SCHEDULES

REFA
45 Bridgeman Terrace
Wigan, Lancs
WN1 1TT
Tel: -(01942) 826020
Fax: -(01942) 230816
CONSULTING ENGINEERS
CIVIL• STRUCTURAL
GEOTECHNICAL•ENVIRONMENTAL

Date	Scale	Drawn
21.10.24	N/A	AS

DRAWING No 24142/102/3 Rev A

© This drawing is the property of REFA and should not be copied, used or its contents divulged without prior written consent.

A1 SHEET