I.L. 39.28m

Existing 1050mmØ Combined Sewer (Unknown line)

Existing 225mmØ Combined Sewer (Unknown line)

Existing 1050mmØ Combined Sewer (Unknown line)

1500mmØ PCC Private Control Manhole with Vortex Flow Control to limit flow to 6.0 l/s @ 0.98m head (115mmØ orifice). Type Optimum Hydro Brake or similar approved. Actual Flow Rates 4.3, 6.0 & 6.0 l/s (1, 30 & 100 year + 40% CC RP's).

12.7m³ of Private Cellular Storage to be suitable for vehicular loading. 17.25 x 1.64 x 0.45m. I.L. 41.500m.

All Proposed Drainage & Shared Access to remain Private.

MH 8802
C.L. 42.35m
I.L. 40.24m

Existing 225mmØ Combined Sewer (Unknown line)

300mmØ @ 1:240 with Conc Surround

150mmØ @ 1:23 with Conc Surround

Extension of Carriageway proposed for Adoption to be Agreed with Manchester City Council. To be full carriageway construction to MCC's standard details.

Existing 1050mmØ Combined Sewer (Unknown line)

MH 8801
C.L. 42.60m
I.L. 41.13m

Existing 150mmØ Combined Sewer (Unknown line)

Existing Sewer crossing site to be accurately located & diverted around plots. Private SW & Foul Networks proposed to connect to 150mmØ Sewer Crossing Site.

MH Buried?

Unconfirmed Existing Manhole / Sewer. To be verified on site.

MH 8808
C.L. 42.45m
I.L. 40.85m

Existing Sewer from towards Pepper Close to be CCTV surveyed & traced. To be diverted around proposed plots

MH
C.L. 42.02m
I.L. 41.52m

MH
C.L. 42.26m
I.L. 41.57m

MH
C.L. 42.84m
I.L. 41.85m

Existing 225mmØ C

ALTRINCHAM ROAD

A560 ALTRINCHAM ROAD

MARFORD CLOSE

PEPPER CLOSE

NOTES

1. Setting out shall be undertaken using only the information given. Distances should not be scaled from this drawing.
2. All sewers shall be constructed in accordance with Sewers for Adoption 6th Edition and United Utilities Details & Guidelines.
3. It is the responsibility of the Contractor to verify all information given with regards to existing services and drainage connections etc. prior to commencing the works. The rates shall include for hand dig around services where necessary. The Contractor shall adhere to the CDM Regulations at all times
4. Existing flows in watercourses, sewers and land drains shall be maintained at all times
5. Only trained personnel shall be permitted to enter confined spaces
6. 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 to withstand a class 3 condition).
7. 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 the Network Operator as applicable.
8. Slab levels shall not be varied without reference to the Engineer for guidance
9. Pipes for Private/Domestic drainage shall be:-
   UPVC Pipes - BS4660 and BSEN1401
   Clay Pipes - Extra Strength to BSEN295 and BS65
   Concrete Pipes - Class H to BS591
10. Private/Domestic drainage shall be constructed in accordance with the Typical Drainage Details. A Class S Bed and Surround must be used for UPVC Pipes, Clay and Concrete Pipes may use a Class B Bed.
11. Domestic Drainage shall be to Building Regulations Approved Document H. 100mm U.P.V.C. pipes laid to the following minimum falls unless otherwise shown.

	Foul	S.W.
Head Run	1 in 40	1 in 60
Elsewhere	1 in 80	1 in 100

NOTES

All S.W outlets to be trapped

KEY

S.W.	Foul	
		Proposed sewer
		1200mm dia I.C
42.70		Proposed Plot Level
MH		Existing Combined sewer
MH		Existing S.W. sewer
		Proposed highway gully
42.70		Proposed level
× 29.35		Existing Level

S.W.	Foul	
		Min Internal Dims 450mm dia or 450mm x 450mm UPVC I.C. Max depth 3m cover to soffit. Access max opening resticted to 350mmØ or 350mm x 350mm for depths greater than 1.2m. In accordance with Building Regulations - Approved Document H 2002.
		Non entry - Max Access Opening 350mmØ or 350mm x 350mm Min Internal Dims 190mm dia or 225mm x 100mm UPVC I.C. Max depth 0.6m cover to soffit. In accordance with Building Regulations - Approved Document H 2002.
Ex LP		Existing Lighting Column Location
Ex G		Existing Gully Location. (All Existing gullies & gully Connections to be flushed upon completion)

S.V.P.

Direct Foul Connection

R.W.P.

Rodding Eye

*PLOT DRAINAGE POINTS BASED ON PRELIMINARY DRAWINGS. TO BE CONFIRMED WITH ARCHITECT.

REVISIONS

REV.	DATE	INT.	DETAILS
A	170517	RDE	Drainage amended to constructed diversion position.
B	110517	RDE	Gradients added to access.

North Point

Quality Ass.

UKAS 005 Quality Assurance ISO 9001:2008 SGS Certificate GB02/54539

Project: Altrincham Road Wythenshawe

Client: Lovell Partnerships

Title: Highways & Drainage Layout

PRELIMINARY

Original Size: A1

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Drawn: RDE | Checked By: SRG | Date: Apr 17 | Scale: 1:200

Drawing No.: 30279/1 | Revision: B

IronsideFarrar
EnvironmentalConsultants
EnvironmentalPlanners
CivilEngineers
LandscapeArchitects
GraphicDesign
3 Worsley Court MANCHESTER M28 3NJ
Tel. 0161 703 8801 Fax. 0161 703 8279
manchester@ironsidefarrar.com
EDINBURGH BELLSHILL