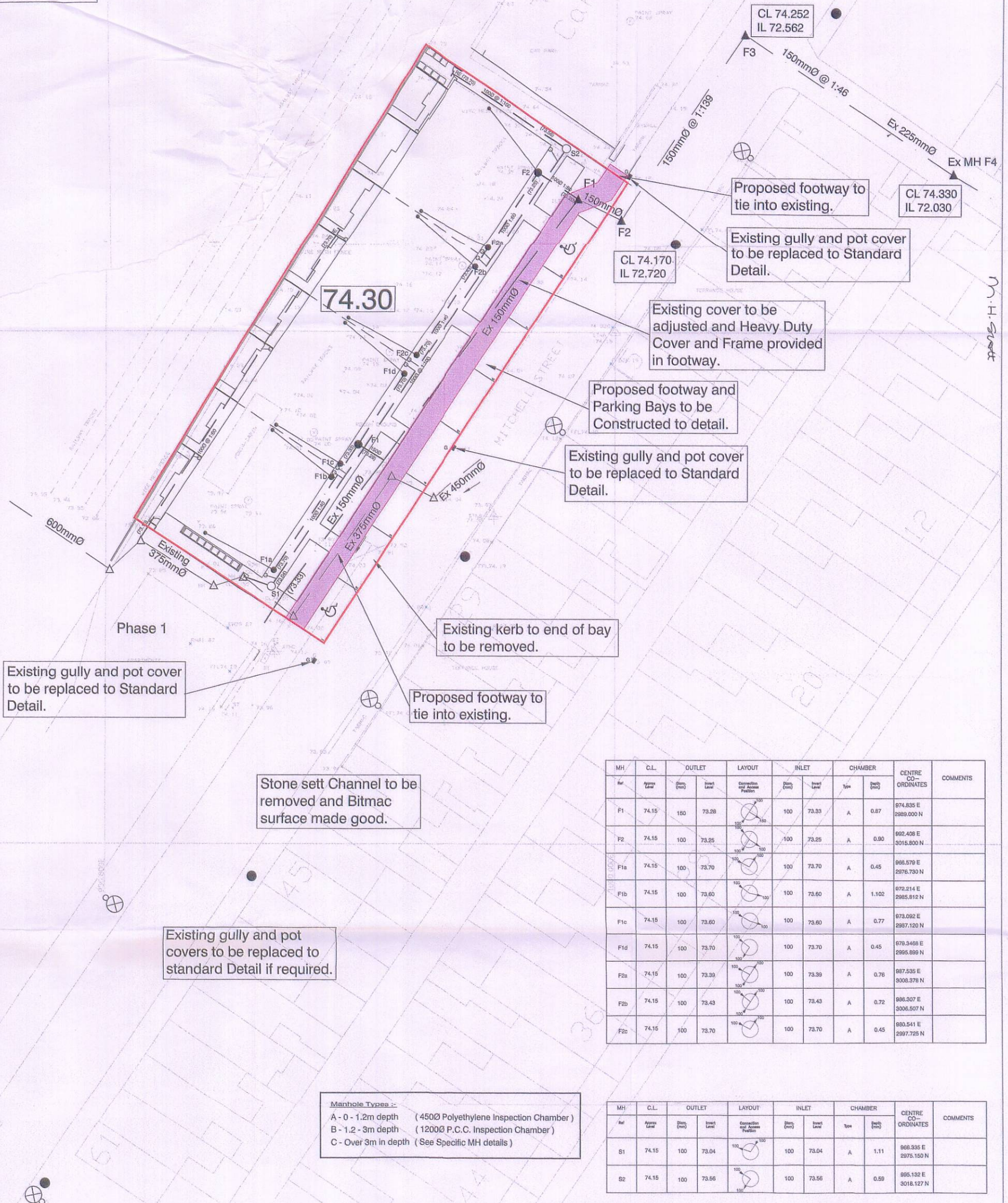


STREET LIGHTING NOTES & KEY

- Proposed Street Lighting Column
- Existing Street Lighting to be removed

NOTE - For full detailed Street Lighting design refer to Lancashire County Council Section 38 Design drawing.



MH	C.L.	OUTLET		LAYOUT	INLET		CHAMBER		CENTRE CO-ORDINATES	COMMENTS
Ref	Approx Level	Depth (mm)	Inlet Level	Connection and Access Position	Depth (mm)	Inlet Level	Type	Depth (mm)		
F1	74.15	150	73.28		100	73.33	A	0.87	974.835 E 2989.000 N	
F2	74.15	100	73.25		100	73.25	A	0.90	992.408 E 3015.800 N	
F1a	74.15	100	73.70		100	73.70	A	0.45	966.579 E 2976.730 N	
F1b	74.15	100	73.60		100	73.60	A	1.102	972.214 E 2985.812 N	
F1c	74.15	100	73.60		100	73.60	A	0.77	973.092 E 2987.120 N	
F1d	74.15	100	73.70		100	73.70	A	0.45	979.346 E 2995.899 N	
F2a	74.15	100	73.39		100	73.39	A	0.76	987.535 E 3008.378 N	
F2b	74.15	100	73.43		100	73.43	A	0.72	986.307 E 3006.507 N	
F2c	74.15	100	73.70		100	73.70	A	0.45	980.541 E 2997.725 N	

MH	C.L.	OUTLET		LAYOUT	INLET		CHAMBER		CENTRE CO-ORDINATES	COMMENTS
Ref	Approx Level	Depth (mm)	Invert Level	Connection and Access Position	Depth (mm)	Invert Level	Type	Depth (mm)		
S1	74.15	100	73.04		100	73.04	A	1.11	966.335 E 2975.150 N	
S2	74.15	100	73.56		100	73.56	A	0.59	995.132 E 3018.127 N	

Manhole Types :-
 A - 0 - 1.2m depth (450Ø Polyethylene Inspection Chamber)
 B - 1.2 - 3m depth (1200Ø P.C.C. Inspection Chamber)
 C - Over 3m in depth (See Specific MH details)

NOTES

- Setting out shall be undertaken using only the information given. Distances should not be scaled from this drawing.
- All sewers shall be constructed in accordance with Sewers for Adoption 6th Edition and United Utilities Details & Guidelines.
- The minimum gravity pipe diameter under adoptable highways shall be 150mm.
- 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.
- The outsides of all sewers shall be a minimum of 1.0m from kerb lines and the outside of manholes shall be a minimum of 0.5m from kerb lines.
- Existing flows in watercourses, sewers and land drains shall be maintained at all times.
- Only trained personnel shall be permitted to enter confined spaces.
- 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).
- 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.
- Where 'Ultra Rib' UPVC pipes (or similar approved) are used in adoptable drainage they shall still be handled and laid in accordance with the specification and guidance issued by the High Performance Pipe Association.
- A Class S Bed and surround must be used for such pipes. Trench backfill in highways to within 1m of highway shall, as directed by the Highway Authority be a suitable granular material all in accordance with Sewers for Adoption cl. 4.3.4.
- Slab levels shall not be varied without reference to the Engineer for guidance.

KEY

- S.W. Foul
- Proposed sewer
- 1200mm dia I.C.
- Proposed Plot Level
- Existing Foul sewer
- Existing S.W. sewer
- Proposed highway gully
- Proposed level
- Existing Level

REVISIONS

REV.	DATE	INT.	DETAILS
A	06/12/07	ME	Latest Arch Layout added, Drainage amended to suit.
B	01/12/07	NB	Manhole Schedule Added.
C	16/01/08	NB	CONSTRUCTION ISSUE
D	19/06/08	NB	Street Lighting Added.
E	13/01/09	NB	Adoptable area amended.

North Arrow
 Project: Mitchell Street Clitheroe
 Client: Bardsley Construction
 Title: Highways & Drainage Details

Original Size: A1
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 Drawn: NB
 Checked: ME
 Date: Dec 07
 Scale: 1:200

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Drawing No: 3686/1
 Revision: E