

DO NOT SCALE FROM THIS DRAWING

NOTES

- EXISTING DRAINAGE DETAILED WAS IDENTIFIED AS PART OF THE GROUND PENETRATING RADAR SURVEY. THIS SURVEY IS TO BE USED FOR REMEDIAL WORKS TO EXISTING DRAINAGE.
- BASED ON GPS PLANNING AND DEVELOPMENT REPORTS, GROUP PLC DRAINAGE CCTV SURVEY RESULTS TO BE USED FOR REMEDIAL WORKS.
- ADDITIONAL REMEDIAL WORKS MAY BE IDENTIFIED DURING THE SURVEY. ANY WORKS IDENTIFIED WILL BE CARRIED OUT BY THE PLANNING AND DEVELOPMENT REPORTS.
- CONTRACTOR IS NOT RESPONSIBLE FOR ANY ADDITIONAL ROUTES OR ALTERNATIVE ROUTES IDENTIFIED BY ADDITIONAL CCTV SURVEY. CONTRACTOR TO BE ADVISED OF ANY CHANGES TO DRAINAGE CONDITION POST FINAL CCTV SURVEY.
- CONTRACTOR TO PROPOSED DRAINAGE DRAWING CLX52/1000 FOR DETAILS OF ABANDONED PIPE RUNS.

LEGEND

- DRAINAGE NOT SURVEYED
- PIPES MANHOLES TO BE CLEANED, UNBLOCKED AND RE-SURVEYED
- PIPES TO BE REPLACED/REMOVED AND RE-SURVEYED
- NO REMEDIAL WORK REQUIRED
- MANHOLE NOT INCLUDED WITHIN THE TOPOGRAPHICAL SURVEY
- DIRECTION OF FLOW AS PER DRAWING ROUTES

Project: CULLERCOATS PRIMARY SCHOOL

Client: KIER

Architect: NORR & COLOUR UDL

Drawings No. CLX52/1000

Scale: FINAL CONSTRUCTION

Job No. 1015377

Scale: 1:250

Drawn: CA

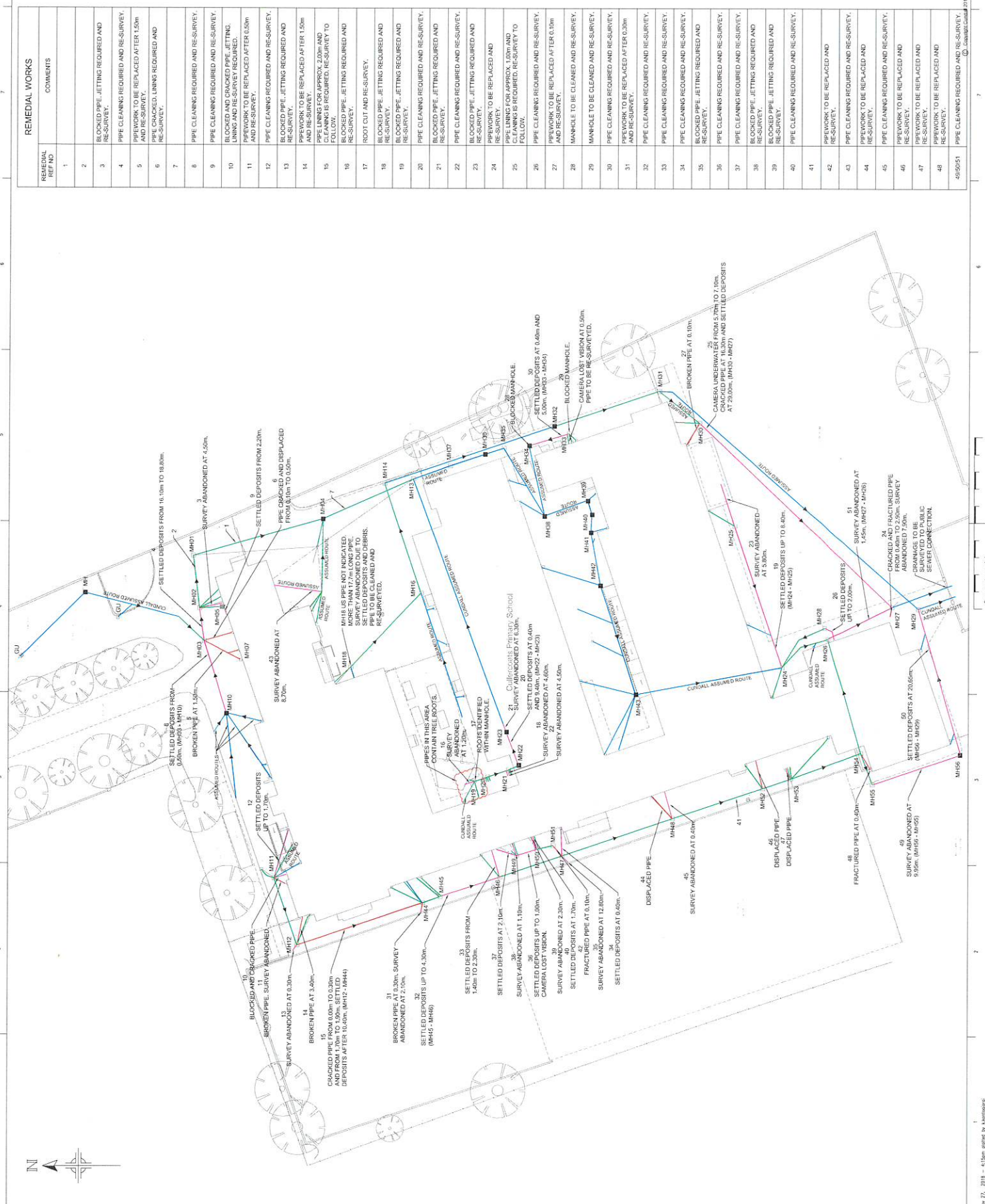
Checked: KK

Verifed: LF

Issue: FCI

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REMEDIAL REF NO	COMMENTS
1	
2	BLOCKED PIPE, JETTING REQUIRED AND RE-SURVEY.
3	BLOCKED PIPE, JETTING REQUIRED AND RE-SURVEY.
4	PIPE CLEANING REQUIRED AND RE-SURVEY.
5	PIPEWORK TO BE REPLACED AFTER 1.50m
6	PIPE CRACKED, LINING REQUIRED AND RE-SURVEY.
7	PIPE CLEANING REQUIRED AND RE-SURVEY.
8	PIPE CLEANING REQUIRED AND RE-SURVEY.
9	PIPE CLEANING REQUIRED AND RE-SURVEY.
10	BLOCKED AND CRACKED PIPE, JETTING, LINING AND RE-SURVEY REQUIRED.
11	PIPEWORK TO BE REPLACED AFTER 0.50m AND RE-SURVEY.
12	PIPE CLEANING REQUIRED AND RE-SURVEY.
13	BLOCKED PIPE, JETTING REQUIRED AND RE-SURVEY.
14	PIPEWORK TO BE REPLACED AFTER 1.50m AND RE-SURVEY.
15	PIPE LINING FOR APPROX. 2.00m AND CLEANING IS REQUIRED, RE-SURVEY TO FOLLOW.
16	BLOCKED PIPE, JETTING REQUIRED AND RE-SURVEY.
17	ROOT OUT AND RE-SURVEY.
18	BLOCKED PIPE, JETTING REQUIRED AND RE-SURVEY.
19	BLOCKED PIPE, JETTING REQUIRED AND RE-SURVEY.
20	PIPE CLEANING REQUIRED AND RE-SURVEY.
21	BLOCKED PIPE, JETTING REQUIRED AND RE-SURVEY.
22	PIPE CLEANING REQUIRED AND RE-SURVEY.
23	BLOCKED PIPE, JETTING REQUIRED AND RE-SURVEY.
24	PIPEWORK TO BE REPLACED AND RE-SURVEY.
25	PIPE LINING FOR APPROX. 1.00m AND RE-SURVEY TO FOLLOW.
26	PIPE CLEANING REQUIRED AND RE-SURVEY.
27	PIPEWORK TO BE REPLACED AFTER 0.10m AND RE-SURVEY.
28	MANHOLE TO BE CLEANED AND RE-SURVEY.
29	MANHOLE TO BE CLEANED AND RE-SURVEY.
30	PIPE CLEANING REQUIRED AND RE-SURVEY.
31	PIPEWORK TO BE REPLACED AFTER 0.20m AND RE-SURVEY.
32	PIPE CLEANING REQUIRED AND RE-SURVEY.
33	PIPE CLEANING REQUIRED AND RE-SURVEY.
34	PIPE CLEANING REQUIRED AND RE-SURVEY.
35	BLOCKED PIPE, JETTING REQUIRED AND RE-SURVEY.
36	PIPE CLEANING REQUIRED AND RE-SURVEY.
37	PIPE CLEANING REQUIRED AND RE-SURVEY.
38	BLOCKED PIPE, JETTING REQUIRED AND RE-SURVEY.
39	BLOCKED PIPE, JETTING REQUIRED AND RE-SURVEY.
40	PIPE CLEANING REQUIRED AND RE-SURVEY.
41	PIPEWORK TO BE REPLACED AND RE-SURVEY.
42	PIPEWORK TO BE REPLACED AND RE-SURVEY.
43	PIPE CLEANING REQUIRED AND RE-SURVEY.
44	PIPEWORK TO BE REPLACED AND RE-SURVEY.
45	PIPE CLEANING REQUIRED AND RE-SURVEY.
46	PIPEWORK TO BE REPLACED AND RE-SURVEY.
47	PIPEWORK TO BE REPLACED AND RE-SURVEY.
48	PIPEWORK TO BE REPLACED AND RE-SURVEY.
49/50/51	PIPE CLEANING REQUIRED AND RE-SURVEY.



DO NOT SCALE FROM THIS DRAWING

NOTES

- EXISTING DRAINAGE TO BE READ IN CONJUNCTION WITH THE CUNDALL SERVICES SURVEY DRAWING JK0046.02.
- WHERE SURVEY IS INCONCLUSIVE, ASSUMED INTERNAL ROUTES ARE TO BE CONFIRMED ON SITE, WITH ADDITIONAL CCTV, FLOOR PLANS DRAWINGS, ARCHITECT'S EXISTING FLOOR PLANS DRAWINGS.
- CUL-NOR-FS-ZZ-GA-A-3001 REVISION B.

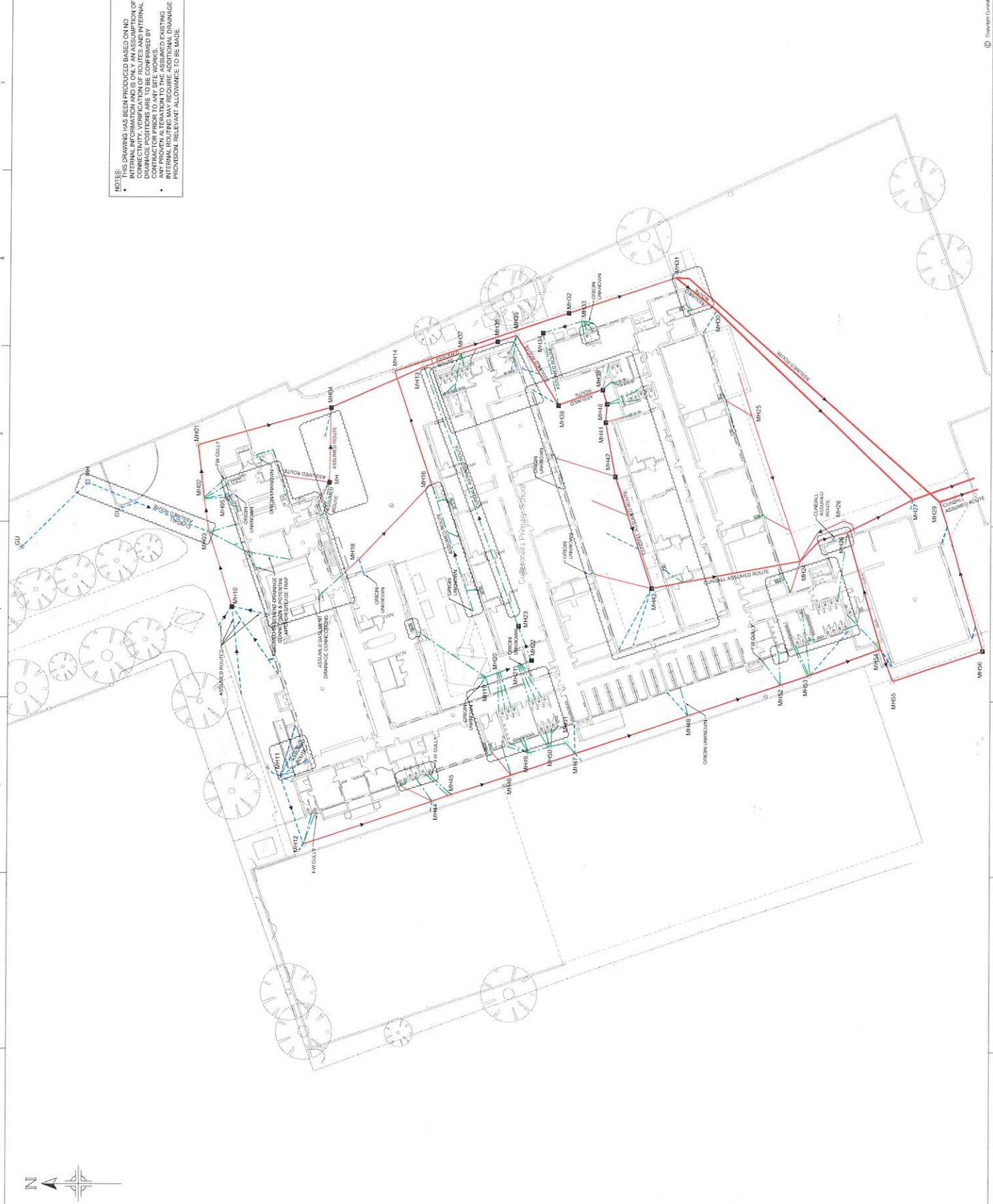
LEGEND

- EXISTING SURFACE WATER DRAINAGE
- EXISTING FOUL WATER DRAINAGE
- EXISTING COMBINED WATER DRAINAGE
- MHXK: MANHOLE AND INCLUDED WITHIN THE TOPOGRAPHY AND NOT DRAWN
- DIRECTION OF FLOW AS PER DRAWING JK04296 - G2 AND CUNDALL ASSUMED ROUTES
- ASSUMED INTERNAL & EXTERNAL ROUTES - LIMITED OR NO INFORMATION

NOTES

THIS DRAWING HAS BEEN PRODUCED BASED ON THE INTERNAL INFORMATION AND IS ONLY AN ASSUMPTION OF CONNECTIVITY, VERIFICATION OF ROUTES AND INTERNAL CONNECTIONS TO BE MADE BY THE CONTRACTOR PRIOR TO ANY SITE WORKS.

ANY PROVEN ALTERATION TO THE ASSUMED EXISTING DRAINAGE TO BE MADE BY THE CONTRACTOR PRIOR TO ANY SITE WORKS. PROVISION RELEVANT ALLOWANCE TO BE MADE.



Issue No.	Date	Description	By	Checked	Verified
A	14/12/17	PRELIMINARY	GA	KK	LF
B	03/10/17	PRELIMINARY	GA	KK	LF
C	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
D	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
E	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
F	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
G	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
H	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
I	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
J	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
K	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
L	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
M	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
N	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
O	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
P	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
Q	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
R	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
S	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
T	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
U	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
V	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
W	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
X	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
Y	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC
Z	13/09/18	ISSUED FOR CONSTRUCTION	KK	MJC	MJC

Project: CULLERCOATS PRIMARY SCHOOL

Client: KIER

Architect: NORR & COLOUR UDL

ASSUMED EXISTING INTERNAL ROUTING

Drawing No.	CLXX(52)1001	Final Status	FINAL CONSTRUCTION
Job No.	1015377	Scale	1:250
Originator	CA	Checked	KK
Author	LF	Verified	LF
Issue	FC1	Issue	

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DO NOT SCALE FROM THIS DRAWING

- NOTES**
- PROPOSED & EXISTING DRAINAGE TO BE READ IN CONJUNCTION WITH THE CCTV AND UTILITY DRAWINGS.
 - WHERE SURVEY IS INCONCLUSIVE, ASSUMED ROUTES HAVE BEEN INDICATED.
 - EXISTING DRAINAGE WORKS TO BE CONFIRMED ON SITE WITH ADDITIONAL TO BE SURVEYED EXISTING PROJECT LOCATIONS.
 - BELOW GROUND DRAINAGE WORKS PROPOSED TO BE SURVEYED EXISTING PROJECT LOCATIONS AND ABOVE SLAB PLUMBING DRAWINGS.
 - DRAINAGE WORKS ON ARCHITECTS GENERAL CLAUDON-APS-ZZ-AA-A3011 & FURNITURE LAYOUT GROUND FLOOR DRAWING.
 - IT IS PROPOSED THAT ALL EXISTING RWP, EXTERNAL GULLIES AND FOUL WATER PIPES TO BE SURVEYED AND NO NEW PROVISIONS ARE REQUIRED.

- LEGEND**
- PROPOSED FOUL WATER DRAINAGE
 - REDUNDANT PREWORK TO BE REMOVED
 - FULL GROUTING WITH 1:20 CLEARIT PFA
 - MECHANICAL PLUGS SHALL BE USED
 - WHERE OCCURS TO PREVENT FLOODING OF LIVE PIPEWORK
 - ABOVE GROUND DRAINAGE BY CASTLE
 - EXISTING SURFACE WATER DRAINAGE
 - COORDINATION PURPOSES ONLY
 - EXISTING FOUL WATER DRAINAGE
 - EXISTING COMBINED WATER DRAINAGE
 - MANHOLE NOT INCLUDED WITHIN THE TOPOGRAPHICAL SURVEY
 - DIRECTION OF FLOW AS PER DRAWING ROUTES - U AND CUNDALL ASSUMED
 - ASSUMED INTERNAL & EXTERNAL DRAINAGE ROUTES TO BE CONFIRMED - LIMITED OR NO INFORMATION

- ALLOWANCE NOTES:**
- VERIFICATION OF ROUTES AND INTERNAL DRAINAGE POSITIONS ARE TO BE CONFIRMED BY CONTRACTOR
 - ANY ROOMS NOT INDICATED WITH EXPECTED ABOVE GROUND DRAINAGE ALTERNATIONS ARE TO BE SURVEYED EXISTING SCENARIOS BASED ON ARCHITECTS LAYOUT
 - ADDITIONAL ALLOWANCE WHERE REQUIRED - KITCHEN
 - ALLOWANCE FOR RE-CONNECTED WASTE DISPOSAL UNIT TO BE INCLUDED DUE TO REPORTED PROBLEMS
 - ALLOWANCE TO BE MADE IN AREAS OF EXTEND ABOVE SURROUND BACKFILL AND RE-INSTALLMENT OF SLAB, WHERE COVER IS LESS THAN 300mm TO UNDER SIDE
 - ALLOWANCE REQUIRED FOR EXCAVATION, BEDDING, SURROUND BACKFILL AND PAVEMENT RE-INSTALLMENT FOR EXTERNAL AREAS.



FCI	27/11/18	FINAL CONSTRUCTION ISSUE	PK	MAC	GM
C	22/10/18	REVISED FOR CONSTRUCTION	PK	MAC	LF
D	15/04/19	REVISED FOR COMMENTS	PK	MAC	LF
C	20/04/18	CONTRACTOR PROPOSALS	PK	MAC	LF
B	19/03/18	MINOR MODIFICATIONS AS PER DESIGN REVIEW	PK	LF	LF
A	14/10/17	ITT ISSUE	PK	LF	LF
-	03/10/17	PRELIMINARY	CA	PK	LF
		Date	Issue	Drawn	Verified

Client: KIER
Architect: NORR & COLOUR UDL

Title: PROPOSED DRAINAGE
Drawing No.: CLXX(62)1002
Scale: FINAL CONSTRUCTION
Job No.: 1015377
Scale: 1:250
Originator: CA
Checked: KK
Verified: LF
Issue: FCI

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