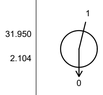
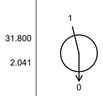
Manhole Number	Cover Level	Connections	Pipe				Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams			Manhole	Cover
F2.00	34.150						450	D	A15 RECESSED
E. 384618.752	1.000								
N. 399383.738			0 1.000	33.000	150				
F2.01	34.150		1 1.000	32.917	150		450	D	A15 RECESSED
E. 384616.859	1.083								
N. 399386.460			0 1.001	32.917	150				
F2.02	34.150		1 1.001	32.629	150		450	D	A15 RECESSED
E. 384624.883	1.371								
N. 399394.753			0 1.002	32.629	150				
F2.03	34.000		1 1.002	32.351	150		1050	C	D400 RECESSED
E. 384632.924	1.499								
N. 399402.392			0 1.003	32.351	150				
F2.04	33.520		1 1.003	32.134	150		450	D	D400 RECESSED
E. 384620.930	1.236								
N. 399415.030			0 1.004	32.134	150				
F2.05	32.990						450	D	A15 RECESSED
E. 384607.878	1.140								
N. 399391.484			0 2.000	31.700	150				

Manhole Number	Cover Level	Connections	Pipe				Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams			Manhole	Cover
F2.06	32.990		1 2.000	31.567	150		450	D	A15 RECESSED
E. 384604.245	1.273								
N. 399395.366			0 2.001	31.567	150				
F2.07	32.990		1 2.001	31.475	150		450	D	A15 RECESSED
E. 384601.718	1.365								
N. 399398.067			0 2.002	31.475	150				
F2.08	32.190		1 2.002	30.655	150		1050	C	A15 RECESSED
E. 384594.073	1.385								
N. 399407.224			0 2.003	30.655	150				
F2.09	32.190		1 2.003	30.526	150		450	D	A15 RECESSED
E. 384601.526	1.514								
N. 399414.275			0 2.004	30.526	150				
F2.10	32.920		1 2.004 2 1.004	30.344 31.973	150 150		1050	B	D400 RECESSED
E. 384612.112	2.426								
N. 399424.321			0 1.005	30.269	225				
F2.11	32.700		1 1.005	30.186	225		600	D	D400 RECESSED
E. 384607.533	2.289								
N. 399429.146			0 1.006	30.186	225				

Manhole Number	Cover Level	Connections	Pipe				Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams			Manhole	Cover
F2.12	31.747		1 1.006	29.909	225		600	D	D400 RECESSED
E. 384597.006	1.613								
N. 399448.618			0 1.007	29.909	225				
F2.13	31.824		1 1.007	29.741	225		1200	B	B125 RECESSED
E. 384609.946	1.858								
N. 399459.267			0 1.008	29.741	225				
F2.14	31.950		1 1.008	29.621	225		1200	B	B125 RECESSED
E. 384622.600	2.104								
N. 399466.138			0 1.009	29.621	225				
F2.15	31.800		1 1.009	29.534	225		1200	B	B125 RECESSED
E. 384630.314	2.041								
N. 399473.163			0 1.010	29.534	225				
F2.16	31.800		1 1.010	29.433	225		1800	A	D400 RECESSED
E. 384640.948	4.895								
N. 399478.937			0 1.011	26.530	375				

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NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS, ENGINEERS AND SPECIALIST DRAWINGS AND SPECIFICATIONS.
3. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ENGINEER IMMEDIATELY SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
4. BEFORE STARTING ANY WORKS, CONTRACTOR TO CHECK INVERT LEVELS AND POSITIONS OF EXISTING DRAINS, SEWERS, INSPECTIONS CHAMBERS AND MANHOLES AGAINST INFORMATION SHOWN ON THIS DRAWING.
5. ROCKER PIPES ARE TO BE PROVIDED AT ALL CONCRETE CASED INTERFACES.
6. CLASS Z CONCRETE SURROUND TO BE PROVIDED FOR PIPES WITH COVER LESS THAN 1.2m ABOVE THE CROWN OF THE PIPE FOR ROADS AND 0.6m FOR SOFT AND PEDESTRIAN AREAS ONLY AND UNDER ALL FOUNDATIONS AND WHERE PIPES LAID WITHIN 1m OF FOUNDATIONS.
7. CONNECTIONS TO EXISTING PUBLIC SEWERS IN ACCORDANCE WITH UNITED UTILITIES REQUIREMENTS, TO BE APPROVED / AGREED WITH THE WATER AUTHORITY.
8. PROPOSED COVER LEVELS ARE APPROXIMATE AND SHALL BE CHECKED BY THE CONTRACTOR ON SITE TO SUIT THE EXACT FINISHED LEVEL AND GRADIENT.
9. ALL DRAINAGE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY AND IN CONJUNCTION WITH ALL RELEVANT BRITISH STANDARDS, CODES OF PRACTICE AND 'SEWERS FOR ADOPTION' 7th EDITION.
10. ACCESS COVERS AND FRAMES SHALL COMPLY WITH THE LOADINGS SPECIFIED AND TO BS EN 124 AND KITEMARKED OR IF RECESSED COVERS ARE SPECIFIED THEN IN ACCORDANCE WITH FACTA ASSOCIATION EQUIVALENT. ALLOW FOR RECESS MANHOLE COVERS TO ACCEPT LANDSCAPE ARCHITECT FINISHES TO ALL NON-ASPHALT EXTERNAL AREAS.
11. FOR SETTING OUT DIMENSIONS OF SS'S, SVP'S, RWP'S, FLOOR GULLY'S & OTHER DRAINAGE 'POP UP' LOCATIONS, REFER TO ARCHITECTS OR MECHANICAL & ELECTRICAL ENGINEERS DRAWINGS.
12. ALL DRAINAGE PIPEWORK SHOWN SHALL BE 100mm DIAMETER FOR FOUL AND 150mm FOR SURFACE WATER UNLESS NOTED OTHERWISE ON THE MEP DRAWINGS. ALL DRAINAGE PIPEWORK SHALL BE LAID SOFFIT TO SOFFIT UNLESS OTHERWISE STATED.
13. ALL UNDERSLAB DRAINAGE SHALL BE LAID AT GRADIENTS OF 1:80 MIN. FOR FOUL PIPEWORK AND 1:100 MIN. FOR SURFACE WATER UNLESS NOTED OTHERWISE. ALL UNDERSLAB DRAINAGE SHALL BE CLEAR OF FOUNDATIONS UNLESS SHOWN OTHERWISE. USE OF SHORT/ LONG RADIUS BENDS IS ACCEPTABLE PROVIDED THEY ARE KEPT TO A MINIMUM AND USED WHERE UNAVOIDABLE.
14. AT LEAST ONE SOIL PIPE AT THE HEAD OF EACH FOUL RUN SHALL BE VENTED TO THE ATMOSPHERE. ALL RAINWATER PIPES SHALL HAVE ABOVE GROUND RODDING ACCESS.
15. ALL PRIVATE DRAINAGE PIPEWORK FOR FOUL AND SURFACE WATER SYSTEMS HAVE BEEN DESIGNED ON THE BASIS OF UPVC TO BS EN 1401-1, UNLESS NOTED OTHERWISE.
16. CONCRETE ENCASEMENT OF THE PIPEWORK SHALL BE REQUIRED WHERE THE VERTICAL CLEARANCE BETWEEN TWO PIPES CROSSING IS LESS THAN 300MM.
17. WHERE NEW DRAINAGE IS SITUATED WITHIN 5 METRES OF NEW OR EXISTING TREES THE PIPEWORK SHALL BE ENCASED IN CONCRETE TO REDUCE THE RISK OF ROOT INGRESS.
18. ALL NEW DRAINAGE INSTALLATIONS TOGETHER WITH ANY EXISTING DRAINAGE RETAINED SHALL BE JETTED AND CCTV SURVEYED UPON COMPLETION. CONTRACTOR TO ENSURE THAT THE DRAINAGE SYSTEM IS FULLY OPERATIONAL, FREE OF EXCESS DEBRIS/SILT AND ALL IDENTIFIED FAULTS RECTIFIED.

REV.	DATE	DETAILS	DRN.	CHK.
P01	29.11.24	FIRST ISSUE	ARJ	PAW

DRAWING STATUS
PRELIMINARY

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DRAWN	DATE	SCALES
ARJ	NOV 24	NTS
CHECKED	DATE	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE --DO NOT SCALE--
PAW	NOV 24	
APPRVD.	DATE	EMAIL FOR DRAWINGS
PAW	NOV 24	info@rocconsulting.com

CLIENT
FAR EAST CONSORTIUM INTERNATIONAL LTD

PROJECT TITLE
PLOTS NT02, NT03 & NT04
NORTHERN GATEWAY

DRAWING TITLE
FW DRAINAGE
MANHOLE SCHEDULES

DRAWING No.
RDB/ROC/2B/XX/DR/C/83/0507

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P01

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