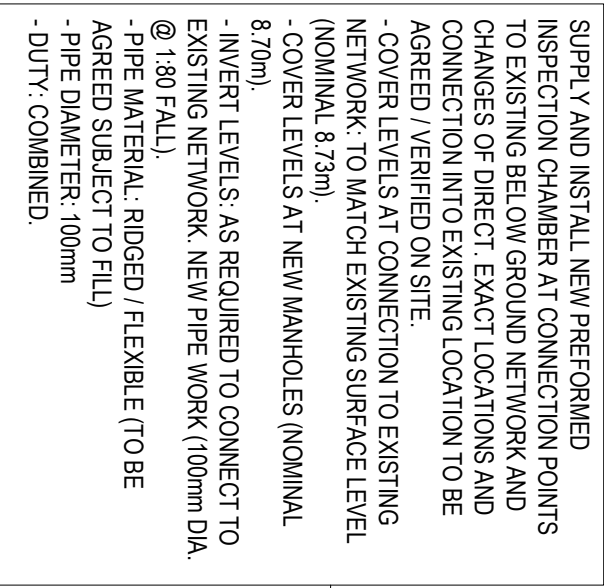




EXISTING MANHOLE DESIGNATED MH5 ON THE DRAINAGE CCTV SURVEY DRAWING.

- INVERT LEVEL: 1.65m.
- PIPE MATERIAL: VITRIFIED CLAY
- PIPE DIAMETER: 100mm.
- DUTY: COMBINED.

SUPPLY AND INSTALL NEW PERFORMED INSPECTION CHAMBERS FOR SURFACE WATER DRAINAGE AT DIRECTION CHANGES AS IDENTIFIED. EXACT LOCATIONS AND CONNECTIONS TO BE AGREED / VERIFIED ON SITE. COVER LEVELS TO SUIT PROPOSED FINISHED SURFACE LEVELS.

- INVERT LEVELS, AS REQUIRED TO CONNECT PROPOSED SYSTEM, NEW PIPE WORK (150mm DIA. @ MIN. 1.100 FALL).

- PIPE MATERIAL, RIGID / FLEXIBLE (TO BE AGREED SUBJECT TO TIL).

- PIPE DIAMETER: 150mm

EXISTING MANHOLE DESIGNATED MH14 ON THE DRAINAGE CCTV SURVEY DRAWING.

- INVERT LEVEL: 1.05m.
- PIPE MATERIAL: VITRIFIED CLAY
- PIPE DIAMETER: 100mm.
- DUTY: COMBINED.

SURFACE AND SPECIFIC WATER REMAINING IN TREATMENT CELLS IN ACCORDANCE WITH SPECIFICATION SECTION 10.1 FOR THE COLLECTION AND DISCHARGE OF SURFACE WATER FROM THE PROPOSED ROCK STRUCTURE. ALLOW FOR PROVIDING SUFFICIENT CELLS TO HOLD A MINIMUM CUMULATIVE VOLUME OF 7.0M³. ALLOW FOR EXCAVATING AS REQUIRED TO INSTALL THE INSTALLATION SYSTEM INCLUDING SUFFICIENT WORKING AREA AROUND TO FACILITATE INSTALLATION. EXACT LOCATION TO BE CONFINED, LOCATION TO BE MINIMUM 18" FROM EXISTING / PROPOSED BUILDING FOOTPRINTS. TOP OF TREATMENT CELLS TO BE MINIMUM 500mm BELOW GROUND LEVEL. TREATMENT CELLS TO BE IMPERVED IN GEO-TEXTILE MEMBRANE COMENSURATING WITH THE CELL SYSTEM AND IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. SURROUND CELLS WITH MINIMUM 100mm COVER OF COMPACTED FINE GRANULAR GRAVEL, AND BACK FILL WITH SUITABLE GRAVEL EXCAVATION MATERIAL. ALLOW FOR INSTALLING INLET / OUTLET PIPES COMPLETE WITH ONE WAY NON-RETURN VALVES TO CONNECT TO PROPOSED SURFACE WATER SUMP / PIPE NETWORK. NETWORK TO BE INSTALLED TO MITIGATE EXTREME EVENTS THE INLET TREATMENT CELLS TO BE REQUIRED WITH OVERFLOW OUTFALL CONNECTED TO COMBINED PIP WITH HYDRO-BRAKE TO REGULATE FLOW INTO THE SITE PRIVATE COMBINED NETWORK.

EXISTING SURFACE LINEAR DRAIN CONNECTED TO ON SITE PRIVATE NETWORK. EXISTING AND PROPOSED SURFACE LEVELS OF BUILDING PERIMETERS GRADED TO DIRECT SURFACE WATER TO EXISTING LINEAR DRAIN LOCATIONS.

SUPPLY AND INSTALL NEW PREFORMED INSPECTION CHAMBERS FOR SURFACE WATER DRAINAGE AT DIRECTION CHANGES AS IDENTIFIED. EACH LOCATION AND CONNECTIONS TO BE AGREED. VENTED ON SITE. CONNECT LEVELS TO SLOIT ROOFSEDS FINISHED MACADAM SURFACE LEVEL (AS TYPICAL) TO 0.00m. INVERT LEVELS AS REQUIRED TO CONNECT PROPOSED S/S SYSTEM NEW PIPE WORK (150mm DIA. @ MIN. 1:100 FALL). TYPE 1 MATERIAL, ROUGH / FLEXIBLE (TO BE AGREED) SUBJECT TO TILL.

PIPE DIAMETER - 150mm

OUTLINE LOCATION 01 FOR ATTENUATION
INFILTRATION CELLS - DISCOUNTED POST
PERCOLATION TEST.

HEALTH AND ENVIRONMENT INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

- PRESENCE OF BUIED SERVICES AND DRAINAGE. REFER TO STATUTORY SERVICES SEARCHES PLANS FOR INDICATIVE LOCATIONS.
- REFER TO GI REPORT (46-10w). Report on Ground Investigation (ref: 2230085) FOR EXISTING GROUND CONDITIONS.
- MAINTENANCE/CLEANING**
- NOT APPLICABLE.**

- NOT APPLICABLE.

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement



REFER TO DRAWING NO. DOS-ATK-46-10w-XX-DR-B-0002 AND
DOS-ATK-46-10w-XX-DR-B-0003 FOR DETAILS OF PROPOSED SITE LAYOUT AND
EXISTING SERVICES INFORMATION.

REFER TO DRAWING NO. DOS-ATK-46-10w-XX-DR-B-0026 FOR STANDARD
DRAINAGE COMPONENT DETAILS.

REFER TO DRAINAGE CCTV SURVEY DRAWING (REF: E.5. 5151271_146-10w) AND DRAINAGE SURVEY REPORT (REF: E.6. 5151271_146-10w) FOR DETAIL OF THE EXISTING BELOW GROUND DRAINAGE IN THE VICINITY AND CONNECTION POINTS.

REFER TO DRAINAGE STRATEGY TECHNICAL MEMO (REF: 46-10w_DTM_409-07-004-A) FOR PROPOSED FOUL AND SURFACE DRAINAGE REQUIREMENTS.

COVER LEVELS AND INVERT LEVELS NOTED ARE TO BE VERIFIED ON SITE.
NOMINAL LEVELS SHOWN MAY BE ADJUSTED TO SUIT FINISHED GROUND LEVELS
AS NECESSARY.

FINAL POSITIONS AND CONNECTION POINTS TO BE CONFIRMED ON SITE.

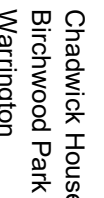
RAINWATER COLLECTIES AND DOWNPIPES TO BE PROVIDED IN ACCORDANCE WITH SPECIFICATION SECTION R10 AND BUILDING REGULATIONS APPROVED DOCUMENT PART H.

PROPOSED NEW FOU, DRAINAGE PIPE WORK.

PROPOSED NEW SURFACE DRAINAGE PIPE WORK.

EXISTING SURFACE LINEAR DRAINAGE CONNECTED TO EXISTING SITE PRIVATE COMBINED NETWORK.

Rev.	Date	Description	By	Chkd	Appd
P5	SEPT 12	FOR INFORMATION	AB	MR	MR
P4	AUG 21	FOR INFORMATION	AB	MR	MR
P3	MAY 21	FOR INFORMATION	AB	MR	MR
P2	FEB 21	FOR TENDER (ADDENDUM)	AB	MR	MR
P1	JAN 21	FOR TENDER	AB	MR	MR



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Project Title
ST ANTHONY'S CATHOLIC PRIMARY
SCHOOL, DUNKERY ROAD, WYTHENSHAW
MANCHESTER, M22 0NT

Drawing Title
CAR PARK & NEW BUILD ACCOMMODATION
PROPOSED OUTLINE DRAINAGE PLAN

DIocese PROJECT REF: 46-10w

Scale	Designed	Drawn	Checked	Authorised
1:50	SB	JH	AB	MR
Original Size	Date	Date	Date	Date
A1	JAN 21	JAN 21	JAN 21	JAN 21