



**LEGEND**

- Proposed Surface Water Drainage
- Proposed Foul Water Drainage
- Proposed Combined Water Drainage
- Proposed Aco Channel
- G
- ST
- Proposed Rain Garden
- Proposed Porous Paving
- Proposed Attenuation Tank
- Proposed Filter Trench
- Existing Surface Water Drainage
- Existing Foul Water Drainage
- Existing Combined Water Drainage

- NOTES**
1. DO NOT SCALE FROM THIS DRAWING
  2. LEVELS ARE IN METERS AOD, UNLESS STATED OTHERWISE.
  3. DIMENSIONS ARE IN METERS, UNLESS STATED OTHERWISE.
  4. THIS DRAWING SHOULD ONLY BE USED FOR THE PURPOSE INTENDED.
  5. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELATIVE DRAWINGS AND SPECIFICATIONS.
  6. THE LOCATION OF ALL DRAINAGE ELEMENTS ARE SUBJECT TO DETAILED DESIGN DEVELOPMENT AND MAY BE SUBJECT TO CHANGE.
  7. ALL MAIN DRAINAGE TO BE IN ACCORDANCE WITH THE CURRENT EDITION OF 'SEWERS FOR SCOTLAND' PUBLICATION IN CONJUNCTION WITH SCOTTISH WATER, OFFICE SPECIFICATION AND REQUIREMENTS.
  8. ALL PIPEWORK WITH DIAMETERS LESS THAN 300mm TO BE UPVC PIPES AND FITTINGS TO BS EN 1401 MAY BE USED SUBJECT TO 800W APPROVAL. MANHOLE QUANTITY SEWER PIPE (RED STRE) FOR BOTH S.W. AND FOUL SEWERS OR SIMILAR APPROVED. ALTERNATIVELY USE Y.G. EXTRA STRENGTH PIPES TO BS EN 286 TYPE 'HERSLEAVE' U.N.O. BY REPUTABLE BUILDING PRODUCTS OR SIMILAR APPROVED.
  9. PIPE DIAMETERS GREATER THAN 300mm TO BE CLASS 'Y' CONCRETE PIPES (RC) WITH FLEXIBLE JOINTS TO BS 5911: PART 100 U.N.O. PLATIC PIPES BETWEEN 300-450mm DIAMETER MAY BE ACCEPTABLE AT THE DISCRETION OF THE ENGINEER.
  10. ALL GULLY DRAINAGE TALS TO BE 150mm uPVC PIPES AND FITTINGS TO BS EN 1401.
  11. ALL BUILDING DRAINAGE TALS TO BE 150mm uPVC PIPES AND FITTINGS OR SIMILAR APPROVED MINIMUM GRADIENT OF 1 IN 60 U.N.O.
  12. ALL MAIN DRAINAGE PIPES TO HAVE A FULL GRANULAR BED AND SURROUND IN LINE WITH SCOTTISH WATER GUIDELINES AND STANDARD DETAILS U.N.O. NOTE: THE CONTRACTOR WILL ENSURE THAT PRIOR TO LAYING DRAINAGE PIPES THE ROAD CONSTRUCTION WILL BE MADE UP TO PROVIDE A MINIMUM COVER TO ALL MAIN DRAINAGE PIPES OF 700mm.
  13. THE CONTRACTOR WILL BE RESPONSIBLE FOR SETTING OUT AND CONSTRUCTING DRAINAGE PIPELINES AND MANHOLES IN SUCH POSITIONS THAT THEY DO NOT CONFLICT WITH PROPOSED FENCE LINES, KERBS ETC. AND ARE MAINLY LAD WITH THE CONFINES OF THE CARRIAGEWAY AND FOOTPATHS AS REQUIRED.
  14. ALL MANHOLES WITHIN OR ADJACENT TO CARRIAGEWAY TO BE 1200mm DIA. P.C. RINGS U.N.O. CONSTRUCTED IN ACCORDANCE WITH SCOTTISH WATER SEWERS FOR SCOTLAND STANDARD DETAILS.
  15. ATTENUATION TANK TO BE STORMBLOC BY HYDRO INTERNATIONAL LTD OR SIMILAR APPROVED.
  16. FLOW CONTROL TO BE HYDROBRAKE OPTIMUM BY HYDRO INTERNATIONAL LTD OR SIMILAR APPROVED.
  17. SURFACE WATER DRAINAGE FOR ALL AREAS OF NEW DEVELOPMENT TO BE LIMITED TO EQUIVALENT TO THE GREENFIELD RELEASE OF 0.8AR + 12%.

**CONNECTIONS TO EXISTING MANHOLES:**  
BREAK OUT BENCHING, PROVIDE AND LAY CHANNEL INVERTS AND MAKE GOOD ALL DISTURBED WORK. WORKS TO BE CARRIED OUT IN ACCORDANCE WITH SCOTTISH WATER SPECIFICATION.

ALL NEW RAINWATER PIPES TO BE TRAPPED AT GROUND LEVEL AND FITTED WITH RISING ACCESS AT OR ABOVE GROUND LEVEL. FOR DETAILS OF PROPOSED LANDSCAPING, STREET LIGHTING, SERVICES, DUCTS, FENCING, PATHS ETC. REFER TO ARCHITECT & SERVICE ENGINEERS DRAWINGS.

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO EXPOSE EXISTING SERVICES SUFFICIENTLY FAR AHEAD OF LAYING PIPEWORK IN ORDER THAT ANY REQUIREMENT TO ADJUST LINE AND LEVEL OF THE PROPOSED WORKS CAN BE ACCOMMODATED. THE ENGINEER SHOULD BE INFORMED OF ANY DISCREPANCIES.

**MANHOLE & SILT TRAP COVERS**  
ADAPTABLE SEWER: (ALL AREAS)  
DUCTILE IRON HEAVY DUTY DOUBLE TRIANGULATED CLASS D400 - CHESTNUT BY STANTON OR SIMILAR AS DETAILED

**PRIVATE DRAINAGE SYSTEMS**  
PRIVATE CARRIAGEWAY PARKING:  
DUCTILE IRON HEAVY DUTY DOUBLE TRIANGULATED CLASS D400 - CHESTNUT BY STANTON OR SIMILAR

**PEDESTRIAN AND LANDSCAPED AREAS:**  
DUCTILE IRON GRADE II MEDIUM DUTY CLASS C250 - TROJAN SINGLE SEAL BY STANTON OR SIMILAR.

ALL MANHOLE COVERS TO HAVE BS 'KITEMARK'

THIS DRAWING IS BASED ON BDP SITE LAYOUT DRAWINGS: CHS-BDP-ZZ-22-PL-L-10/10/17

FULL EXTENT OF LAND DRAINAGE AND HRD LANDSCAPE ACCESS/LOT DRAINS TO BE CONFIRMED FOLLOWING DISCUSSIONS WITH BDP.

DRAINAGE PIPE DIAMETERS, INVERT LEVELS AND ATTENUATION STORAGE INFORMATION IS DRAFT FOR STAGE 1 PURPOSES ONLY AND IS SUBJECT TO DETAILED DESIGN DURING STAGE 2

Drawing No.	byth+byth Project Ref: GC23080		
Revisions	Date	Dr.	
P01 Stage 1 Issue	20/01/2024	RAF	
Revised to suit Architect's update layout & record for planning	23/02/2024	RAF	
PO1/2/3/4 Manhole added	07/03/2024	RAF	

**PLANNING**

North Lanarkshire Council/  
Hub SW/ BAM Construction

Chryston High School Extension

Proposed Drainage Layout

Drawn: RAF	Chk'd: MMcC	Scale: 1:500 @ A0
Date: JAN 24	Date: JAN 24	Scale: DO NOT SCALE

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