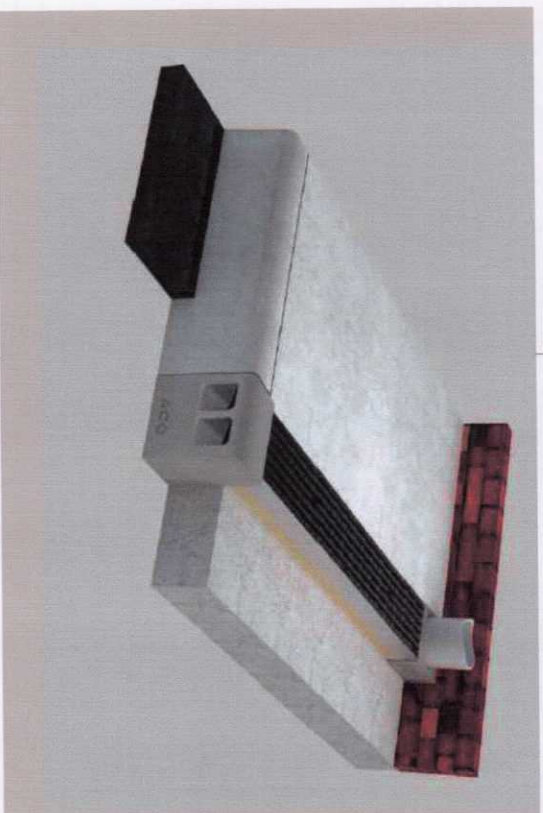
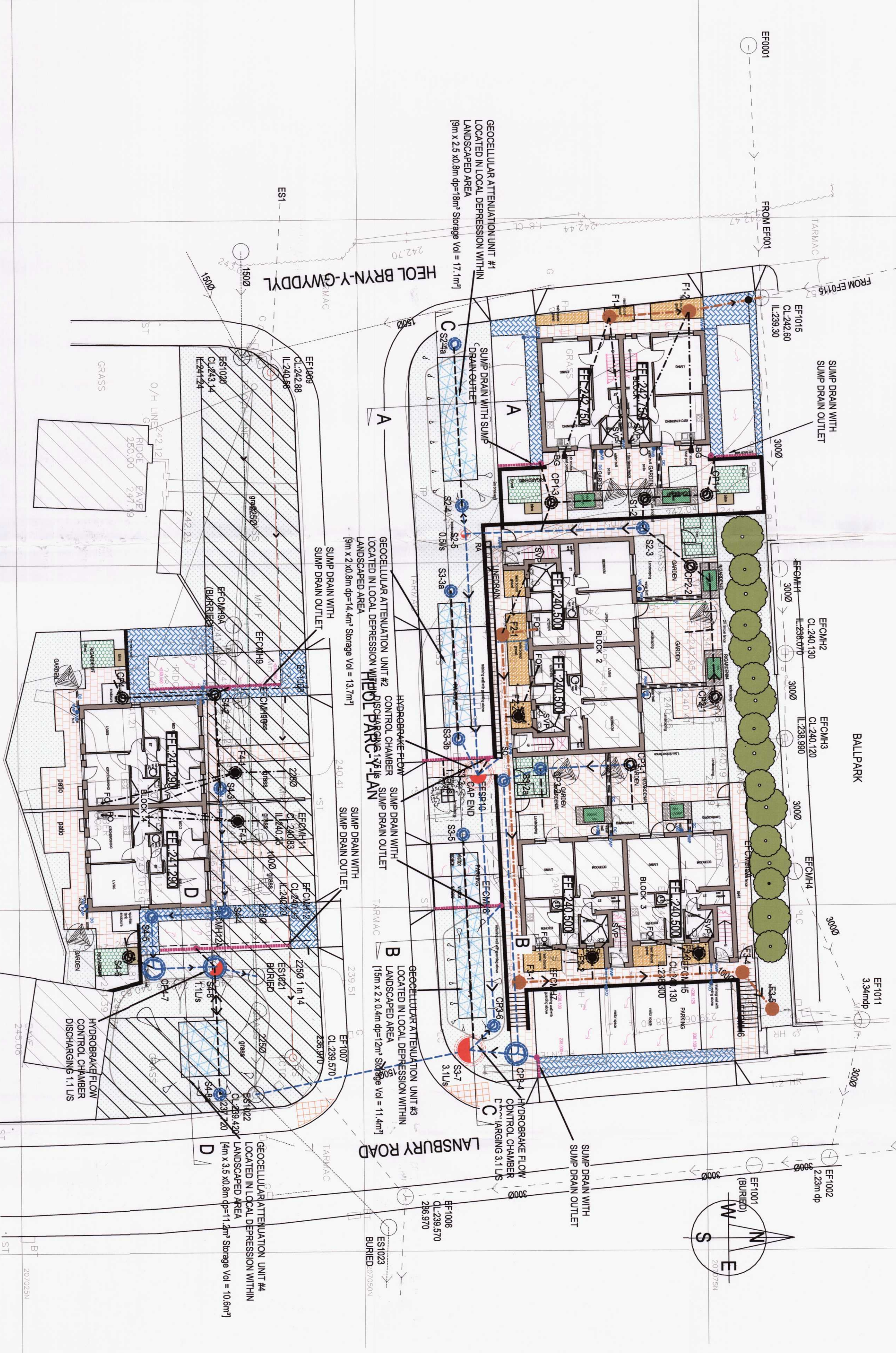
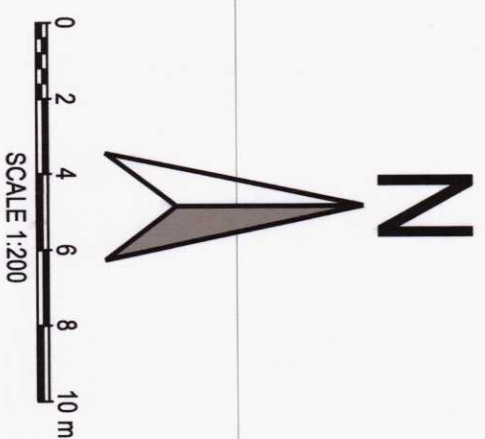




ACO CHANNEL DRAIN KERB OUTLET



PERMEABLE PAVING



DECORATIVE RAIN GARDEN



RAINWATER BUTT

LEGEND

- Block paving to architect's details
- With type EF, edging to surround
- Gravel parking bays with cellular geotextile
- Gravel parking bays with type EF
- Under surround with type EF
- Edging kerb
- Three pit with storage to specialist design to be appointed by architect

DRAINAGE LEGEND

- Proposed foul water drainage with pipe size and gradient (see layout)
- Proposed surface water drainage with pipe size and gradient (see layout)
- Existing foul water drainage
- Existing surface water drainage
- Denotes private FW drainage
- Denotes private SW drainage
- Proposed rainwater pipe
- Proposed rainwater butt
- ACO slot drain with kerb outlet
- French drain
- Denotes rainwater pipe with rodding access
- GEO-CELLULAR TANK 1 IN 100 YEAR EVENT WITH ACCESS POINTS
- Decorative gravel and rain garden hybrid system
- Slump drain with outlet to manhole
- Minimum drainage blanket formation level with anticipated gradient
- Permeable paving with drainage blanket
- Proposed soil & vent pipe
- Proposed floor outlet

NOTES:

1. MH COVERS AND FRAMES TO CONFORM TO BS EN 124.
2. HIGHWAYS AND FOOTWAYS TO FRONT OF BUILDINGS (D400) - FOOTWAYS TO REAR OF BUILDINGS (C250)
3. TYPE S BEDDING AND SURROUND TO ALL PIPES EXCEPT IN THE FOLLOWING CIRCUMSTANCES, IN WHICH TYPE Z BEDDING AND SURROUND ARE TO BE USED:
 - IN BACK GARDENS OF HOUSES WHERE DEPTH TO CROWN OF PIPE IS LESS THAN 0.25m
 - IN AREAS OF THE REAR OF FLATS AND PARKING WHERE DEPTH TO CROWN IS LESS THAN 0.25m
 - IN AREAS OF ROAD WHERE DEPTH IS LESS THAN 1.2m
4. ALL EXISTING MANHOLE INVERTS TO BE CHECKED AND REPORTED TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF DRAINAGE WORKS. EXISTING PIPE CONNECTIONS ARE TO BE COTY SURVEYED AND INSPECTED BY THE ENGINEER AND LOCAL AUTHORITY. IF THE PIPE CONNECTION IS FOUND TO BE DAMAGED OR IN DISTRESS, THE CONTRACTOR IS TO CARRY OUT REMEDIAL WORKS OR PROVIDE A NEW CONNECTION TO THE EXISTING SEWER (PIPE SIZE AND GRADIENT TO BE DETERMINED BY THE ENGINEER).
5. THE GRADIENTS INDICATED AGAINST THE DRAIN RUNS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL INSTALL DRAINS TO THE INVERT LEVELS SHOWN FOR EACH MANHOLE OR OTHER INDICATED POSITION.
6. ALL PLOT FOUl DRAINAGE TO BE MINIMUM 100mm DIAMETER UNLESS OTHERWISE NOTED.
7. ALL ADAPTABLE THERMO-PLASTIC STRUCTURED WALL SEWER PIPE SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 13476-1 AND WS 4-39-01 AND BS EN 13476-2 OR BS EN 13476-3. PIPES SHALL BE BSI KITEMARKED OR HAVE EQUIVALENT THIRD PARTY CERTIFICATION. PIPES LESS THAN OR EQUAL TO 500mm DIA. SHALL HAVE A SHORT TERM RING STIFFNESS OF NOT LESS THAN 8kN/m² (SN8).
8. ALL JOINTING IN ACCORDANCE WITH MANUFACTURERS TECHNICAL ADVICE & SPECIFICATION.
9. ALL NON ADAPTABLE DRAINAGE TO BE THE STANDARD UPVC 110mm, 150mm DRAINAGE AND MANUFACTURED TO BS-EN 1401 AND BS 4680 UNLESS NOTED OTHERWISE.
10. ALL STORM WATER DRAINAGE TO BE A MINIMUM OF 150mm DIAMETER UNLESS OTHERWISE NOTED.
11. SOIL & VENT PIPE LOCATION AND NUMBER TO BE CONFIRMED WITH ARCHITECT.
12. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS DRAWINGS, TOGETHER WITH THEIR LATEST SPECIFICATIONS, ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER (VALE CONSULTANCY) AS SOON AS POSSIBLE.
13. FIGURED DIMENSIONS ONLY TO BE USED. ANY QUERIES OR DISCREPANCIES TO BE REFERRED TO THE ENGINEER (VALE CONSULTANCY) IMMEDIATELY.
14. PRIOR TO ORDERING ANY MATERIALS THE CONTRACTOR IS TO CONFIRM MANUFACTURER PIPE MATERIAL AND GRADE PROPOSED WITH WATER AUTHORITY.
15. TEMPORARY WORKS DESIGN BY OTHERS.
16. DESIGN RISK ASSESSMENTS AND METHOD STATEMENTS ARE TO BE PROVIDED TO THE PRINCIPLE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ANY WORKS.
17. SERVICES MAY NOT BE SHOWN BUT ARE PRESENT AND CONTRACTOR TO LIAISE WITH THE RELEVANT STATUTORY AUTHORITIES PRIOR TO THE COMMENCEMENT OF ANY WORKS. ALL EXCAVATIONS TO BE CARRIED OUT CAREFULLY.

Preliminary Issue

rev.	drawn	chkd.	apprvd.	date	description
01	SI	SI	SI	09/09/20	Preliminary Issue
02	SI	SI	SI	09/09/20	Drainage Amended
03	SI	SI	SI	09/09/20	Attenuation Units amended to suit revised architects drawings
04	SI	SI	SI	09/09/20	Attenuation Units amended to suit revised architects drawings

MV HOMES

Project
HOUSING DEVELOPMENT
LANSBURY ROAD

Site
SITE DRAINAGE LAYOUT



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date	drawn	checked	approved	scale
10.09.20	RGP	LR	JM	1:200

status: **P** 10463/501

rev: **04**