

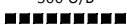


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| GENERAL NOTES |
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1. SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHALL NOT BE SCALED FROM THIS DRAWING.
2. ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEWERS FOR ADOPTION 6TH EDITION AND UNITED UTILITIES DETAIL & GUIDELINES.
3. THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADAPTABLE HIGHWAYS SHALL BE 150MM
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION GIVEN WITH REGARDS TO EXISTING SERVICES AND DRAINAGE CONNECTIONS ETC. PRIOR TO COMMENCING THE WORKS. THE RATES SHALL INCLUDE FOR HAND DIG AROUND SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE TO THE COM REGULATIONS AT ALL TIMES
5. THE OUTSIDES OF ALL SEWERS SHALL BE A MINIMUM OF 1.0M FROM KERB LINES AND THE OUTSIDE OF MANHOLES SHALL BE A MINIMUM OF 0.5M FROM KERB LINES
6. EXISTING FLOWS IN WATERCOURSES, SEWERS AND LAND DRAINS SHALL BE MAINTAINED AT ALL TIMES 7. ONLY TRAINED PERSONNEL SHALL BE PERMITTED TO ENTER CONFINED SPACES
7. ALL MATERIALS TO BE RELEASE THE BULKY S.S. KETAMARK AND COMPLY FLY WITH THE SPECIFICATIONS. ALL CONCRETE & CONCRETE PRODUCTS MUST USE SULPHATE RESISTANT CEMENT UNLESS THE SITE INVESTIGATION REPORT PROVES THAT SULPHATE ATTACK FROM SOILS AND GROUNDWATER WILL NOT OCCUR TO WITHSTAND A CLASS
8. ALL OPENING NOTICES ETC. AS REQUIRED UNDER HIGHWAYS ACTS ETC. ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS. ALL WORKS ARE TO BE INSPECTED BY D.A. /NHBC OR THE NETWORK OPERATOR AS APPLICABLE.
9. WHERE "ULTRA RIP" UP/VC PIPES (OR SIMILAR APPROVED) ARE USED IN ADAPTABLE DRAINAGE THEY SHALL STILL BE HANDLED AND Laid IN ACCORDANCE WITH THE SPECIFICATION AND GUIDANCE ISSUED BY THE HIGH PERFORMANCE PIPE ASSOCIATION.
10. A CLASS 3 BED AND SURROUND MUST BE USED FOR SUCH PIPES. TRENCH BACKFILL IN HIGHWAYS TO WITHIN 1M OF HIGHWAY SHALL, AS DIRECTED BY THE HIGHWAY AUTHORITY BE A SUITABLE GRANULAR MATERIAL ALL IN ACCORDANCE WITH SEWERS FOR ADOPTION CL 4.4. 12. SUB-LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE
11. DOMESTIC DRAINAGE SHALL BE TO BUILDING REGULATIONS APPROVED DOCUMENT H. 10MM UP P.V.C. PIPES Laid TO THE FOLLOWING MINIMUM FALLS UNLESS OTHERWISE SHOWN:

|           | FOUL    | S.W.     |
|-----------|---------|----------|
| HEAD RUN  | 1 IN 40 | 1 IN 60  |
| ELSEWHERE | 1 IN 80 | 1 IN 100 |
12. POLYPROPYLENE INSPECTION ACCESSORIES TO BE PROVIDED TO ALL PRIVATE DRAINAGE LESS THAN 1.0m DEEP. WHERE PRIVATE DRAINAGE RUNS ARE DEEPER THAN 1.0m, REDUCED ACCESS CHAMBERS TO BE PROVIDED.
13. WHEREVER PLASTIC PIPES ARE TO BE USED FOR THE CONSTRUCTION OF ADAPTABLE DRAINAGE, STRUCTURED WALL PLASTIC PIPES MUST BE USED WHICH MUST COMPLY WITH BS EN 13475-1 AND BS 435-1

### LEGEND

| 195.00m                                                                               |                                                                      |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------|
|    | FINISHED FLOOR LEVEL                                                 |
|    | PROPOSED SPOT LEVEL                                                  |
|    | EXISTING SURVEY LEVEL                                                |
|    | PROPOSED MASONRY RETAINING WALL (TEXT ALIGNMENT REPRESENTS LOW SIDE) |
|    | PROPOSED GABION RETAINING WALL (TEXT ALIGNMENT REPRESENTS LOW SIDE)  |
|    | PROPOSED UNDERBUILD (TEXT ALIGNMENT REPRESENTS LOW SIDE)             |
|    | PROPOSED GRAVEL BOARD (TEXT ALIGNMENT REPRESENTS LOW SIDE)           |
|    | PROPOSED FLAG ON EDGE (TEXT ALIGNMENT REPRESENTS LOW SIDE)           |
|    | PROPOSED ACO CHANNEL                                                 |
|    | PROPOSED 100MM CONTOUR                                               |
|    | PROPOSED 500MM CONTOUR                                               |
|    | PROPOSED HALF BATTER KERB WITH 100MM KERBFACE (SEE C-1530)           |
|  | PROPOSED TRANSITION KERB (SEE C-1530)                                |
|  | PROPOSED BULL NOSE KERB WITH 30MM KERBFACE (SEE C-1530)              |
|  | PROPOSED BULL NOSE KERB WITH 0-6MM KERBFACE (SEE C-1530)             |
|  | PROPOSED CONTAINMENT KERB WITH 160MM KERBFACE (SEE C-1530)           |

 POROUS DRIVEWAY TO ACT AS SOURCE CONTROL MEASURE  
NOT A INFILTRATION MEASURE - DUE TO IMPERMEABILITY OF RECEIVING STRATA  
STONE BASE TO BE ENCAPSULATED IN TANKING MEMBRANE AND ACTIVELY CONNECTED  
TO PROPOSED ATTENUATION SYSTEM



|     |            |                               |     |     |     |
|-----|------------|-------------------------------|-----|-----|-----|
| P02 | 12.10.2023 | STAGE 4 DRAWING PACKAGE ISSUE | JCM | JLS | JLS |
| REV | DATE       | DESCRIPTION                   | BY  | CHK | APP |

DRAWING STATUS:

CLIENT: CASEY

ARCHITECT: JOHN McCALLS

PROJECT: BENMORE DRIVE  
MANCHESTER

TITLE: EXTERNAL WORKS LAYOUT

|         |             |                                     |            |         |       |      |      |             |      |
|---------|-------------|-------------------------------------|------------|---------|-------|------|------|-------------|------|
| STATUS: | PROJECT No. | PROJECT                             | ORIGINATOR | VOL/SYS | LEVEL | TYPE | ROLE | DRAWING No. | REV: |
| S2      | 223-008     | BEN - AJP - ZZ - 00 - DR - C - 1400 |            |         |       |      |      |             | P01  |

|                      |                  |               |                 |                  |                    |
|----------------------|------------------|---------------|-----------------|------------------|--------------------|
| SCALE @ A1:<br>1:200 | DESIGNED:<br>JCM | DRAWN:<br>JCM | CHECKED:<br>JLS | APPROVED:<br>JLS | DATE:<br>JUNE 2023 |
|----------------------|------------------|---------------|-----------------|------------------|--------------------|