

DESIGN NOTE
ATTENUATION TANK: TOTAL STORAGE REQUIRED
105CU.M. TANK I.L: 66.309; DEPTH: 1.04m; TOP OF
TANK: 67.349m. COVER LEVEL: 68.150m.

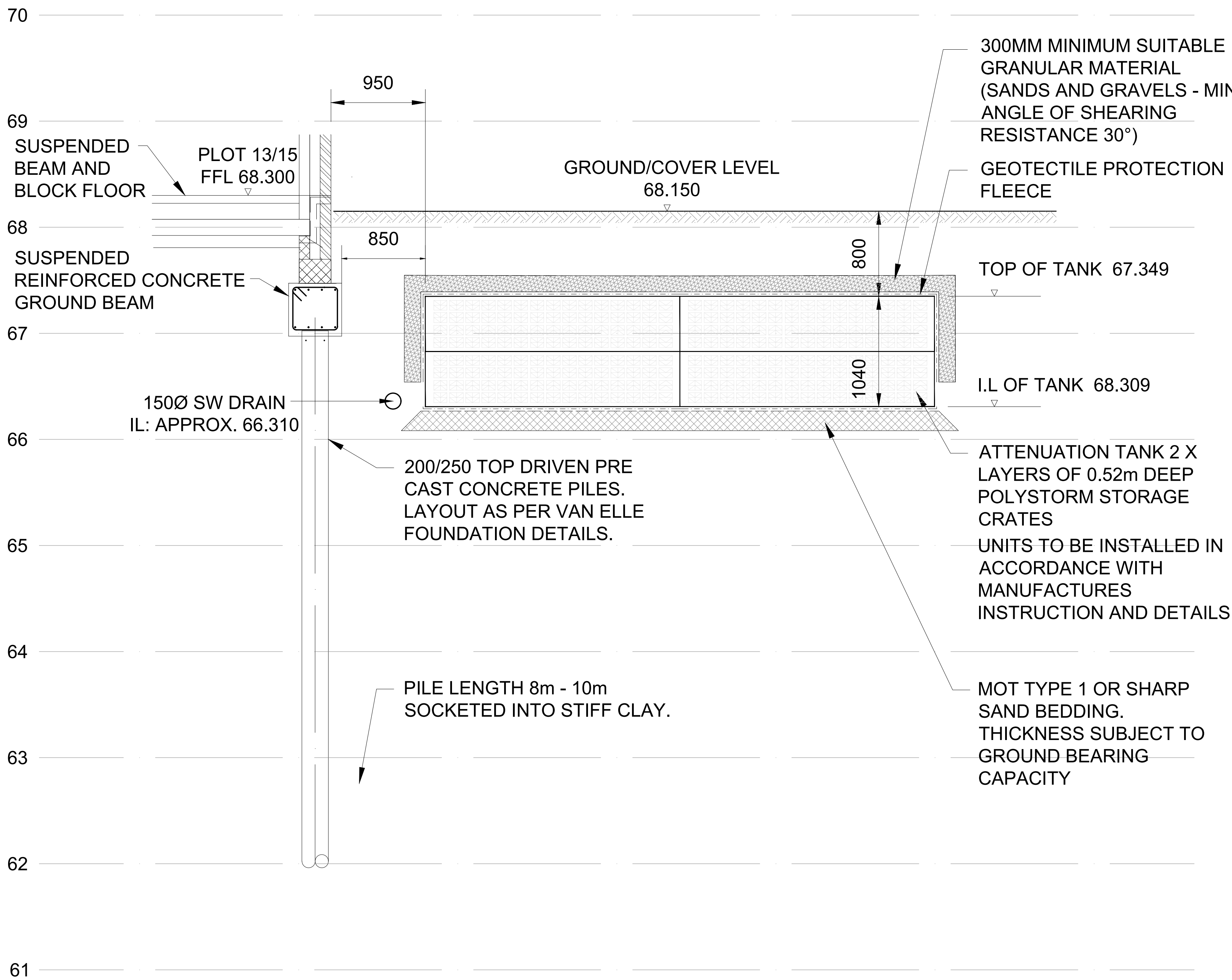
DESIGN NOTE
FOR MAIN PRIVATE DRAINAGE DRAWING SEE CDP
DRAWING 21-B-13127-20.
FOR S185 FOUL DIVERSION AND S38 SW HIGHWAY
DRAINAGE, SEE CDP DRAWING 13127-11
ENGINEERING LAYOUT FOR FULL DETAILS.

DESIGN NOTE
PLOT FOUNDATIONS ARE TO BE PRE COST
CONCRETE PILED FOUNDATIONS WITH SUSPENDED
REINFORCED CONCRETE GROUND BEAMS.
THEREFORE, THE FOUNDATIONS TO NOT POSE ANY
RISK OF SURCHARGE TO THE ATTENUATION TANK,
OR VICE VERSA, AS DEPICTED BY THE CROSS
SECTIONAL DETAIL SHOWN BELOW.

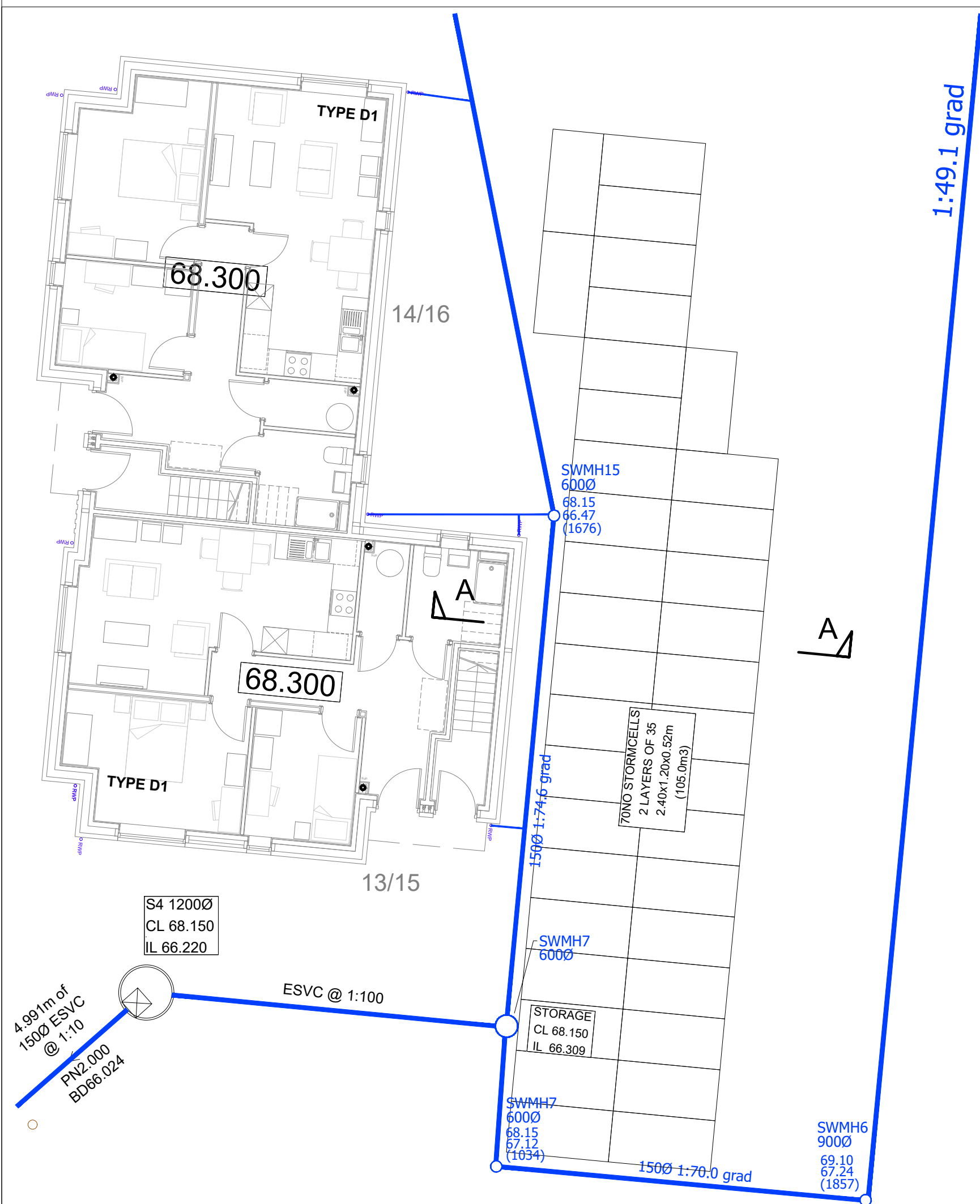
DO NOT SCALE OFF THIS DRAWING
IF IN DOUBT - ASK

NOTES

- ALL ADAPTABLE DRAINAGE WORKS HAVE BEEN DESIGNED AND ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION GUIDANCE.
- ALL CLAY PIPE WORK SHALL BE EXTRA STRENGTH CLAYWARE TO B.S EN 285181 PART 1.
- ALL PRECAST CONCRETE PIPEWORK SHALL BE TO THE CLASS STATED ON THE DRAWINGS IN ACCORDANCE WITH B.S EN 1916:2002. ALSO, ALL MANHOLES AND CHAMBERS SHALL BE TO B.S EN 1917:2002.
- THE CONTRACTOR MAY ELECT TO USE REINFORCED PVC PIPES AS COVERED BY B.S 4680:2000 & B.S EN 1401-1. STRUCTURED WALL UPVC PIPES TO COMPLY WITH W84-35-01. (BY PRIOR AGREEMENT WITH ADOPTING AUTHORITY) MAX PIPE LENGTH TO BE 3.0M.
- ALL LEVELS RELATE TO TOPOGRAPHICAL SURVEY DATUM.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS.
- PLOT DRAINAGE CONNECTIONS TO SEWERS MUST BE 150MM DIAMETER AND UNLESS OTHERWISE STATED LAID TO THE INVERT SHOWN.
- ALL INSPECTION CHAMBERS TO BE 450mm DIAMETER POLYPROPYLENE WITH A MAXIMUM DEPTH OF 1200mm FOR THE STANDARD UNIT & A MAXIMUM DEPTH OF 300mm WHEN A 350mm REDUCING RING IS USED.
- ALL PLOT DRAINAGE RUNS TO BE 100mm DIAMETER AT A NOMINAL FALL OF 1:70 UNLESS NOTED OTHERWISE.
- RODDING EYES AT START OF EACH DRAINAGE RUN.
- ALLOW FOR 5.0M OF 'ACO' DRAINAGE CHANNEL, PER PROPERTY AT HIGHWAY BOUNDARY.
- SURFACE WATER FROM PLOT PARKING AREAS MUST NOT DISCHARGE ONTO THE HIGHWAY.
- PLOT DRAINAGE RUNS TO BE KEPT WITHIN THE CURTILAGE OF THE PLOT THEY SERVE WHEREVER POSSIBLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ANY EXISTING INVERT LEVELS INDICATED ON DRAWINGS ARE CORRECT BEFORE THE WORKS ARE COMMENCED.
- ALL CONNECTIONS TO ADAPTABLE SEWERS SHALL BE MANUFACTURED JUNCTION PIPES. SADDLE CONNECTIONS WILL NOT BE PERMITTED UNLESS SPECIFIED.
- ALL SEWERS FOR ADOPTION WITH GREATER THAN 1.20M COVER IN ROADS OR 0.9M COVER IN FIELDS SHALL HAVE CLASS S GRANULAR BED AND SURROUND.
- ANY SEWER FOR ADOPTION WITH LESS THAN 1.2M COVER IN ROADS OR 0.9M COVER IN FIELDS SHALL HAVE A MINIMUM OF 150MM 874 CONCRETE SURROUND. FLEXIBILITY SHALL BE MAINTAINED BY THE PROVISION OF FLEXICELL OR SIMILAR APPROVED JOINT FILLER BREAKS IN THE CONCRETE SURROUND AT EACH PIPE JOINT.
- IT IS THE RESPONSIBILITY FOR THE CONTRACTOR TO CHECK ALL ONSITE EXISTING GROUND LEVELS PRIOR TO COMMENCING AND IF THERE ARE ANY DISCREPANCIES THE CONTRACTOR MUST REPORT TO THE ENGINEER IMMEDIATELY.
- CONTRACTOR TO CONFIRM THE COVER LEVEL, INVERT LEVEL & MANHOLE SIZE FOR THE EXISTING MANHOLE 5802 PRIOR TO CONTRACT START DATE.
- THERE ARE A NUMBER OF EXISTING SEWERS & MANHOLES ON THE SITE, WHICH MUST BE ABANDONED BEFORE THE FINAL DRAINAGE DESIGN. CONTRACTOR TO PROVIDE ALL NECESSARY INFORMATION IF ANY CHANGES ARE REQUIRED TO THE DRAINAGE LAYOUT.



SECTION A-A



LOCATION PLAN

25.04.24 INITIAL ISSUE

REV. DATE DESCRIPTION

CLIENT

ONE MANCHESTER

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TITLE

BRIGHAM STREET
OPENSHAW

SECTION THROUGH PROPOSED
ATTENUATION TANK AND PLOT
FOUNDATIONS.

Drawn A MULLIGAN Checked D MIDDLETON

Date APRIL 2024 Date APRIL 2024

Scale 1:20 @ A1

Drawing No. 21.B.13127-24

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