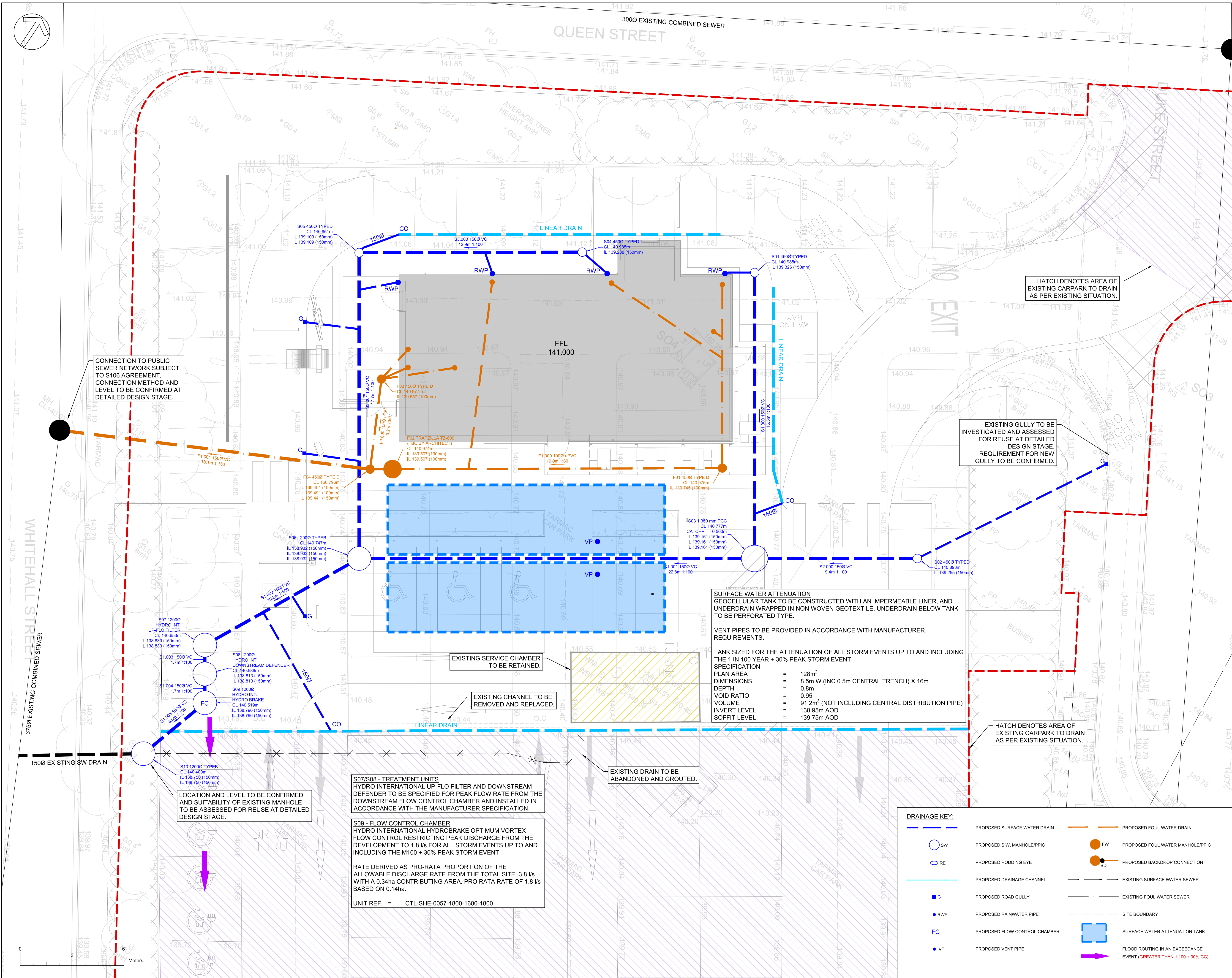




GENERAL NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT HJCE ARCHITECTS AND M&E ENGINEERS DRAWINGS AND SPECIFICATIONS.

2. DRAWING NOT TO BE SCALED. ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER AND FURTHER INSTRUCTIONS OBTAINED BEFORE WORK IS COMMENCED.

3. EXISTING GROUND LEVELS BASED ON A TOPOGRAPHICAL SURVEY BY ON SURVEY OPERATIONS TOPOGRAPHICAL SURVEY 216280001

4. PLOT BOUNDARIES, BUILDING AND EXTERNAL WORKS FOOTPRINTS SHOWN ON THIS DRAWING ARE INDICATIVE ONLY, BASED ON THE LATEST MASTERPLAN DRAWING.

5. ALL DRAINAGE CHANNELS & KERB DRAINS SHALL BE PROVIDED WITH A RODDABLE ACCESS COVER AT THE UPSTREAM END AND A OUTFALL UNIT WITH S/LT COLLECTION. LOAD CLASS AS INDICATED ON PLAN. CHANNELS INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.

10. SEPARATORS TO BE PROVIDED WITH OIL LEVEL MONITOR & ALARMS.

11. GREASE TRAP TO BE TRAPZILLA T2-600 BY AQUA MUNDUS. TRAP PROVIDED WITH RAISING NECK UP TO CIRCA 150mm BELOW GROUND LEVEL AND P.C. RINGS WITH A CENTRAL 675x675 ACCESS COVER PROVIDED OVER RECESSED INFILL TYPE COVER TO BE PROVIDED TO SUIT EXTERNAL PAVING.

12. MANHOLE COVERS TO PERIMETER OF BUILDING IN PAVED AREAS TO BE RECESSED INFILL TYPE.

SURFACE WATER ATTENUATION TANK

1. A SURFACE WATER ATTENUATION TANK IS REQUIRED TO ACHIEVE THE RESTRICTED RUN-OFF RATE NOTED ON THE DRAWING.

2. ATTENUATION TANK TO BE DESIGNED BY SPECIALIST SUB-CONTRACTOR BASED ON THE DESIGN INTENT SHOWN ON THE DRAWING.

3. ATTENUATION TANK TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS, INCLUDING BACKFILL IMMEDIATELY ABOVE THE TANK.

4. GENERAL FILL OVER THE ATTENUATION TANK TO BE PLACED AND COMPACTED IN ACCORDANCE CLAUSE 612 OF THE SPECIFICATION FOR HIGHWAY WORKS (SHW) SERIES 600. METHOD OF COMPACTION SHALL BE BASED ON THE MATERIAL BEING PLACED AND SHALL BE CLASSIFIED IN ACCORDANCE WITH THE REQUIREMENTS OF TABLE 6.1. MATERIAL TO BE PLACED AND COMPACTED USING 'METHOD COMPACTION' WITH LAYER THICKNESS AND NUMBER OF PASSES SELECTED USING TABLE 6.4.

5. PLATE LOAD TESTING TO BE UNDERTAKEN ABOVE TANK, AT FORMATION LEVEL, TO CONFIRM MINIMUM CBR OF 5%.

6. THE CONTRACTOR SHALL PROVIDE SITE SPECIFIC DRAWINGS FOR THE CELLULAR TANK FOR HJCE APPROVAL PRIOR MANUFACTURE.

7. ATTENUATION STRUCTURAL DESIGN:

- THE MANUFACTURER SHALL PROVIDE STRUCTURAL CALCULATIONS IN ACCORDANCE WITH ORIA DOCUMENT C880 (SITE USE = LOW SPEED ROADS <15mph), INCLUDING LATERAL LOADS, DESIGNED FOR THE MAXIMUM AND MINIMUM DEPTHS OF COVER. MAXIMUM DEPTH OF COVER = 1.2m. MINIMUM DEPTH OF COVER = 0.904m.
- FACTOR OF SAFETY (F.O.S.) FOR MATERIALS = 2.75, UNLESS SUBSTANTIATED BY THE SUPPLIER IN WHICH A F.O.S OF 1.5 MAY BE APPROPRIATE.
- A MAXIMUM COEFFICIENT OF FRICTION OF 3° SHALL BE USED IN THE DESIGN OF THE TANK FOR THE BACKFILL MATERIAL.
- THE DESIGN LIFE OF THE ATTENUATION SYSTEM SHALL BE 50 YEARS. THE MANUFACTURER SHALL ADVISE OF ANY ONGOING MAINTENANCE.

8. CONSIDERATION SHALL BE GIVEN TO THE INSTALLATION PROGRAMME FOR THE ATTENUATION TANK AS CONSTRUCTION PLANT TRAFFICKING OVER THE TANKS MAY BE LIMITED. TANK MANUFACTURER TO ADVISE OF CONSTRUCTION TRAFFIC LIMITS OVER ATTENUATION TANK FOLLOWING INSTALLATION.

9. NO SITE RUN-OFF SHOULD BE PASSED THROUGH THE CELLULAR ATTENUATION TANK FOLLOWING INSTALLATION.

P0118.06.25

REV

DATE

INITIAL ISSUE

DESCRIPTION

DM

BY

REVISIONS

PROJECT

STARBUCKS, ST MARY'S GATE, ROCHDALE

TITLE

DRAINAGE LAYOUT

CLIENT

BLACKCAT B.C.

CONSULTING CIVIL & STRUCTURAL ENGINEERS

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STATUS

PRELIMINARY

DESIGNED BY DM

CHECKED BY AF

HJCE REF. 8956

DRAWN BY DM

DATE 18.06.25

SCALES @ A1 1:125

PROJECT - ORIGINATOR - VOLUME - LEVEL - TYPE - ROLE - NUMBER

8956-HJCE-00-XX-DR-C-3000

REVISION

P01

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