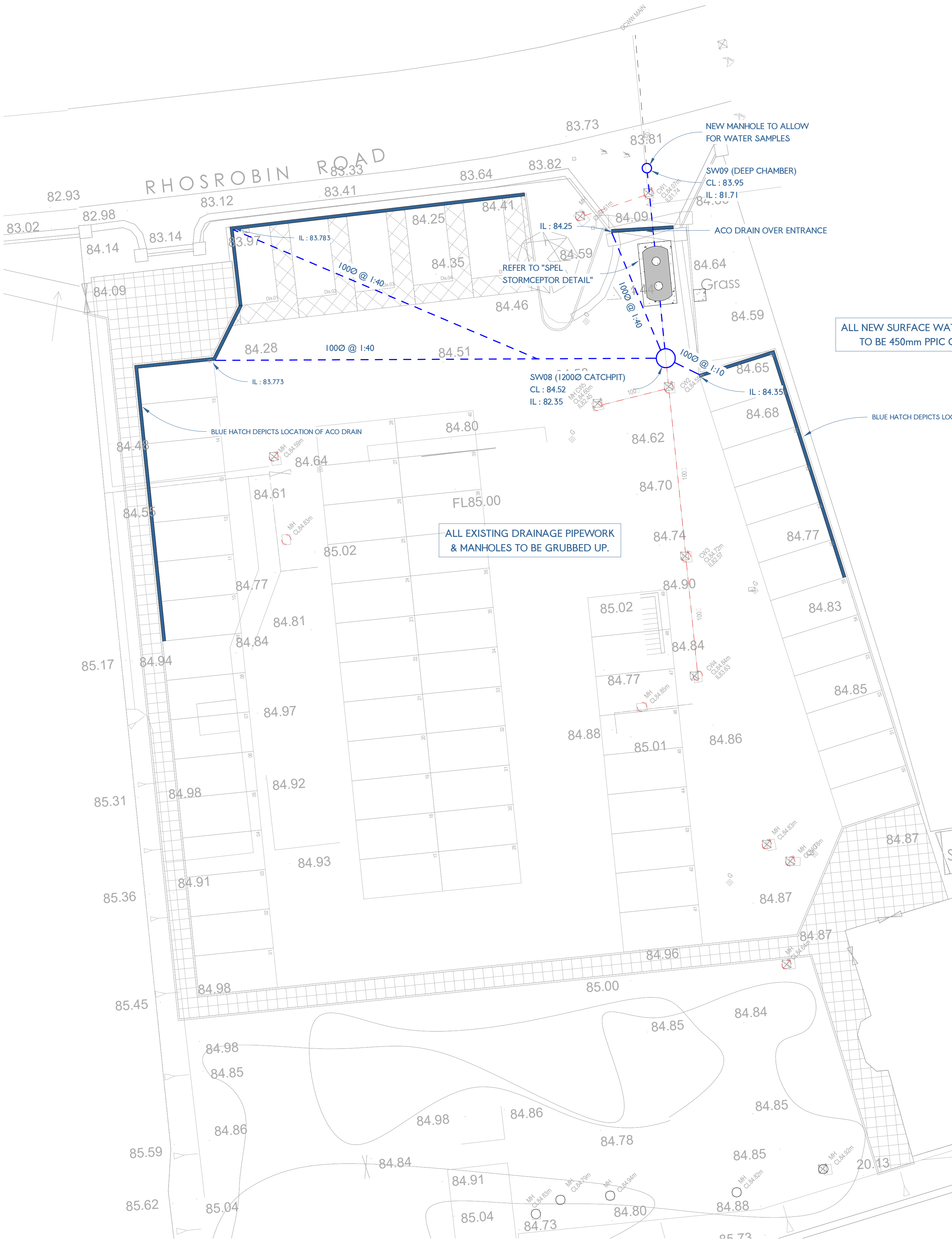
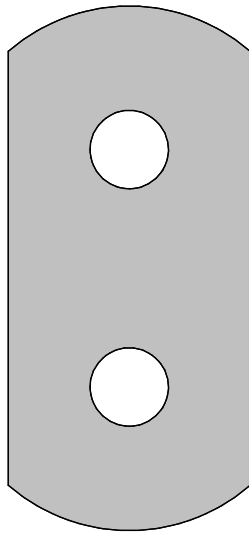




SITE LAYOUT (PROPOSED DRAINAGE)
SCALE 1 : 150

00.00 = EXISTING LEVELS

00.00 = PROPOSED LEVELS



PROPOSED 'SPeL STORMCEPTOR' CLASS 1 BY-PASS SEPARATOR COMPLETE WITH SILT CAPACITY. PRODUCT CODE 206C7/SC/160 NSB 6. ALLOW FOR 250mm THICK GRADE C28/35 CONCRETE BED AND 250mm THICK SURROUND ON 300mm THICK DOT TYPE 1 SUB-BASE. PROVIDE A SOLAR POWERED AUDIBLE AND VISUAL ALARM SECURED TO A 750x750x150mm THICK GRADE C28/35 CONCRETE BASE ON 300mm THICK DOT TYPE 1 SUB-BASE. EXACT LOCATION OF SEPARATOR ALARM AND VENT PIPES TO BE AGREED. INSTALLATION TO BE STRICTLY IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS. COVER AND INVERT LEVELS TO BE AGREED.

SPeL STORMCEPTOR DETAIL

SCALE 1 : 50

- EXISTING DRAINAGE TO BE REMOVED
- EXISTING FOUL DRAINAGE
- EXISTING SURFACE DRAINAGE
- PROPOSED FOUL DRAINAGE
- PROPOSED SURFACE DRAINAGE
- SITE BOUNDARY

DRAINAGE LEGEND

SCALE 1 : 50

NOTES:

15. THERMOPLASTIC STRUCTURED WALL PIPE: THERMOPLASTIC STRUCTURED WALL SEWER PIPE SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 13476-1 & WS 4-35-01 AND BS EN 13476-2 OR BS EN 13476-3. PIPES SHALL BE BSI KITEMARKED OR HAVE EQUIVALENT THIRD PART CERTIFICATION. PIPES LESS THAN OR EQUAL TO 500mm IN DIAMETER SHALL HAVE NOMINAL SHORT-TERM RING STIFFNESS NOT LESS THAN 8kN/m² (SN8) OR BE SUBJECT TO A QUALITY SYSTEM FOR STORAGE & EMBEDMENT.
16. Nom. SHORT TERM RING STIFFNESS OF 2kN/m² (SN2) IS ACCEPTABLE FOR PIPES GREATER THAN Ø500mm, SUBJECT TO SUPPORTING STRUCTURAL DESIGN LOAD CALCULATIONS BEING PROVIDED.
17. TRANSPORTATION, HANDLING, STORAGE AND LAYING SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
18. WHERE A FITTING IS INSTALLED ON A SEWER LENGTH, IT SHALL HAVE THE SAME INTERNAL BORE AS THE SEWER. Max. LENGTH OF PIPE FOR LAYING IS 3.0m OR Ø x 10, WHICHEVER IS THE GREATER, UNLESS WELDED JOINTS ARE USED.
19. OPTIMUM TRENCH WIDTH OPTIMUM TRENCH WIDTH = PIPE + 300mm. CONTRACTOR TO ENSURE TRENCH WALLS ARE SUITABLY

info@jpstructural.co.uk

NOTES:

1. ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE PRIOR TO UNDERTAKING ANY WORKS. ORDERING MATERIALS OR FABRICATING ANY COMPONENTS.
2. ALL LEVELS IN METERS UNLESS NOTED OTHERWISE ON DRAWING.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEER'S AND ARCHITECT'S DRAWINGS AND RELEVANT SPECIFICATION CLAUSES.
4. PLEASE REFER TO ARCHITECT'S DRAWINGS FOR FINAL BUILDING LOCATION.
5. ALL DRAINAGE COMPONENTS ARE TO COMPLY WITH CURRENT BRITISH STANDARDS AND BUILDING REGULATIONS REQUIREMENTS.
6. ALL WORKS AND MATERIALS TO BE IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS (SHW SERIES 500).
7. DRAIN PIPE THROUGH WALLS OR BENEATH FOUNDATIONS (SPREAD ONLY) TO HAVE R.C BRIDGE LINTELS OVER AND PIPE SURROUNDED IN FLEXIBLE MATERIAL (50mm).
8. FINAL LOCATIONS AND DETAILS OF SOIL VENT PIPES, STUB STACKS, RAINWATER DOWN PIPES, GULLIES ETC. TO BE CONFIRMED BY REFERENCE TO ARCHITECT' DRAWINGS.
9. ALL THRESHOLD DRAIN DETAILS TO BE TO ARCHITECT' DETAILS.
10. ALL PIPES INTO CHAMBERS TO SOFFIT TO SOFFIT U.N.O.
11. AT ALL OUTFALL POINTS TO AN EXISTING NETWORK, THE POSITION AND INVERT LEVEL OF EXISTING DRAINS MUST BE CONFIRMED WELL IN ADVANCE OF THE PROGRAMMED DATE FOR INSTALLING ANY OF THE UPSTREAM DRAINAGE, OR ORDERING OF ANY MATERIALS IN ORDER TO ALLOW TIME FOR ANY NECESSARY REVISIONS TO THE HYDRAULIC DESIGN.
12. ALL NON ADOPTABLE DOMESTIC FOUL AND SURFACE WATER PIPE RUNS SHALL CONSIST OF 100MM DIA. PIPES LAID AT NO FLATTER THAN 1 IN 80 FALLS U.N.O.
13. ALL CONNECTIONS FROM HIGHWAY GULLIES TO BE 150mm DIA. LAID AT FALLS OF BETWEEN 1 IN 20 AND 1 IN 100 WITH TYPE S BED AND SURROUND TO ALL CONNECTIONS WITH MIN. 1.20m COVER, TYPE Z BED AND SURROUND TO ALL OTHER CONNECTIONS.
14. THERMOPLASTIC PIPES & FITTINGS: THERMOPLASTIC PIPES, JOINTS & FITTINGS FOR GRAVITY SEWERS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 1401-1, BS EN 1852 & BS EN12666-1.

E	CONSTRUCTION ISSUE	IB	25.07.2018
D	COMMENTS INCORPORATED	IB	20.07.2018
C	EXTERNALS & BUILDING UPDATES	IB	18.07.2018
B	DRAINAGE UPDATES	IB	16.07.2018
A	BUILDING REGS ISSUE	JP	24.05.2018
REV	DESCRIPTION	BY	DATE

PURPOSE OF ISSUE

 JP Structural Design

PROJECT

GWERSYLLT CP PRIMARY

TITLE

PROPOSED DRAINAGE (CAR PARK)

CLIENT

READ CONSTRUCTION

DRAWN BY	CHECKED BY	DATE
IB	JP	05/16/18

SCALE (@ A1)	PROJECT NUMBER
As indicated	10013

DRAWING NUMBER	REV
10013-JP-DR-C-507	E