

# APPENDIX C

## GENERAL NOTES

- THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF WATERMAN STRUCTURES AND IS NOT TO BE COPIED IN WHOLE OR IN PART EXCEPT UNDER A WRITTEN AGREEMENT.
- DO NOT SCALE THIS DRAWING. ANY DISCREPANCY IS TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS, ARCHITECTS OR OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
- ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PREPARING ANY WORKING DRAWINGS OR COMMENCING ON SITE.
- THE CONTRACTOR MUST ENSURE AND WILL BE HELD RESPONSIBLE FOR THE OVERALL STABILITY OF THE BUILDING/STRUCTURE/EXCAVATION AT ALL STAGES OF THE WORK.
- ALL WORK BY THE CONTRACTOR MUST BE CARRIED OUT IN SUCH A WAY THAT ALL REQUIREMENTS UNDER THE HEALTH AND SAFETY AT WORK ACT ARE SATISFIED.
- ALL WORK IS TO BE CARRIED OUT IN COMPLIANCE WITH THE REQUIREMENTS OF THE RELEVANT STATUTORY AUTHORITIES AND REGULATIONS.
- ALL CHANNEL DRAINS TO HAVE E600 COVERS

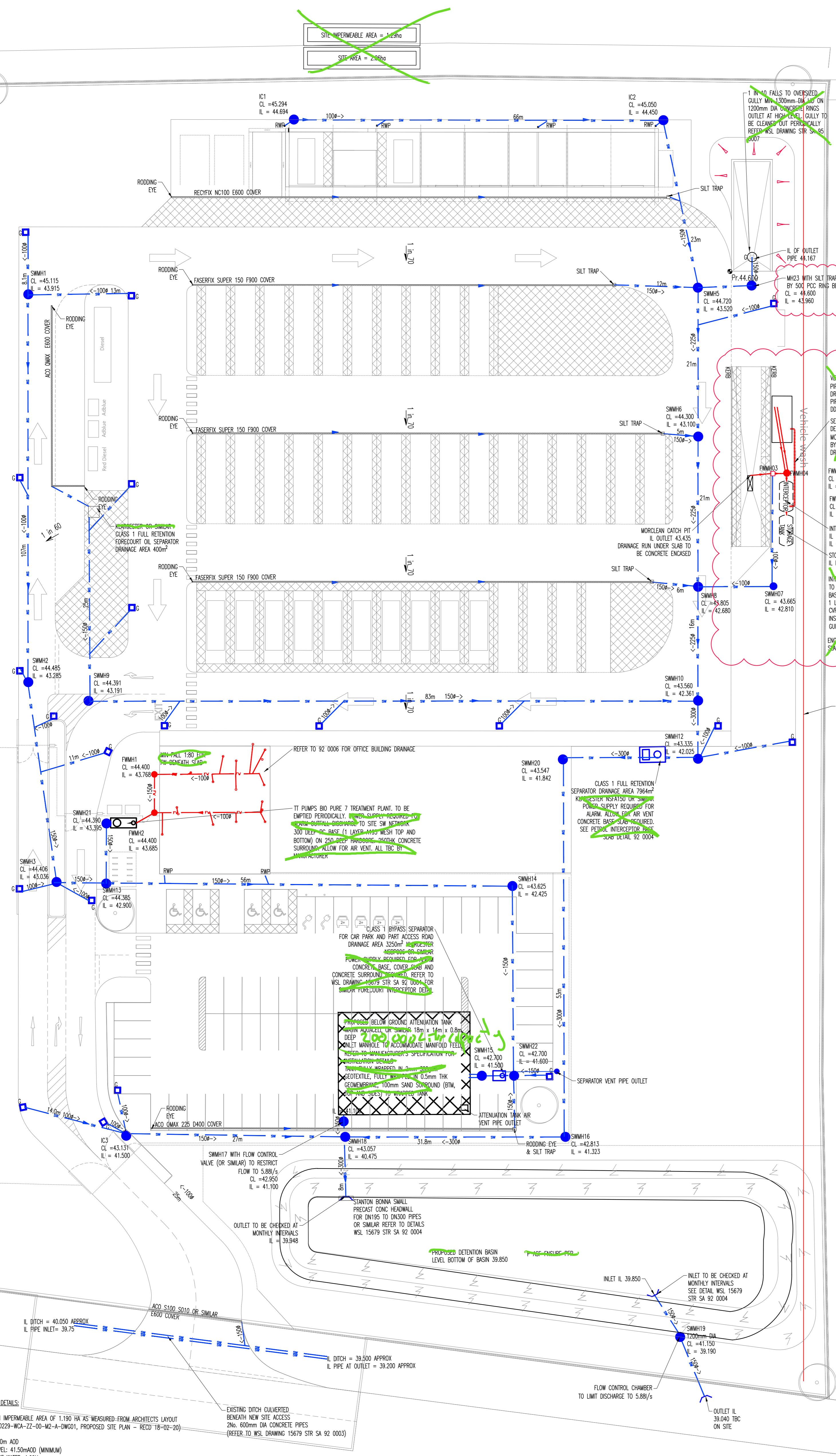
THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS, M+E AND OTHER TRADES DRAWINGS

READ THIS DRAWING IN CONJUNCTION WITH WATERMAN DRAWING NUMBER 15679 STR SA 20 0001 AND 15679 STR SA 92 0002

- KEY**
- SITE BOUNDARY
  - PROPOSED SURFACE WATER SEWER
  - PROPOSED FOUL WATER SEWER
  - PROPOSED LINEAR CHANNEL DRAIN
  - PROPOSED ATTENUATION BASIN
  - PROPOSED UNDERGROUND GEO-CELLULAR TANK
  - PROPOSED SURFACE WATER TREATMENT
  - POTENTIAL PACKAGE TREATMENT PLANT FOR FOUL WATER
  - ALL LEVELS SHOWN ARE PROPOSED FINISHED GROUND LEVELS

**NOTE**  
E600 COVERS TO CHANNEL DRAINS ONLY

**NOTE**  
PLEASE REFER TO DDA DRAWINGS FOR DUCT LAYOUT



SITE IMPERMEABLE AREA = 1.29ha  
SITE AREA = 2.66ha

REFER TO 92 0006 FOR OFFICE BUILDING DRAINAGE

TT PUMPS BIO PURE 7 TREATMENT PLANT TO BE EMPTIED PERIODICALLY. POWER SUPPLY REQUIRED TO SITE SW NETWORK WITH OUTLET DISCHARGE TO SITE SW NETWORK

300 DEEP RC BASE (1 LAYER 4000 MESH TOP AND BOTTOM) ON 250 DEEP FIBREGLASS SANDFILL CONCRETE SUBGRADE ALLOW FOR AIR VENT. ALL TBC BY MANUFACTURER

CLASS 1 BYPASS SEPARATOR FOR CAR PARK AND PART ACCESS ROAD DRAINAGE AREA 3250m<sup>2</sup> INTERCEPTOR NEAR POND ON CARPARK

CONCRETE BASE, COVERS 400mm AND CONCRETE SURROUND (REFER TO WSL DRAWING 15679 STR SA 92 0004 FOR SUBGRADE/INTERCEPTOR DETAILS)

PROPOSED BELOW GROUND ATTENUATION TANK

MINIMUM CELL OR SIMILAR 18m x 14m x 0.8m DEEP

INLET MANHOLE TO ACCOMMODATE MANHOLE FEEL

REFER TO MANUFACTURER'S SPECIFICATION FOR INSTALLATION DETAILS

TANK FULLY WRAPPED IN 2mm GEOTEXTILE, FULLY SURROUNDED IN 100mm SAND 50mm BTM

SEPARATOR VENT PIPE OUTLET

ATTENUATION TANK AIR VENT PIPE OUTLET

**DETENTION BASIN DETAILS:**

DESIGN BASED ON IMPERMEABLE AREA OF 1.180 HA AS MEASURED FROM ARCHITECTS LAYOUT DRAWING REF: 180223-WCA-ZZ-00-M2-A-DWG01, PROPOSED SITE PLAN - RECD 18-02-20

BED LEVEL: 39.850m AOD  
TOP OF BANK LEVEL: 41.50m AOD (MINIMUM)  
MAXIMUM DEPTH OF WATER: 1.00M  
FREESLOPE DEPTH: 0.30m  
MAX VOLUME: 1141m<sup>3</sup> TO ACCOMMODATE STORAGE UP TO A 1:100YR + 40% CLIMATE CHANGE STORM EVENT.

INTERNAL EMBANKMENTS TO BE CONSTRUCTED AT A MAXIMUM 1 IN 3 GRADIENT.

SURFACE WATER FLOW TO BE RESTRICTED VIA A HYDRO-BRAKE OR SIMILAR FLOW CONTROL DEVICE TO 5.88 l/s (7.5 l/s EQUIVALENT OBAR RATE).

ALL NEW PIPE DIAMETERS AS NOTED

**PROPOSED DRAINAGE PLAN**  
SCALE 1:300

Rev	Date	Description	Amendments
E09	05:07:21	VEHICLE WASH AREA REVISION	CS
E08	16:06:21	SMWH23 WITH SILT TRAP CL AND IL ADDED	CS
E07	15:06:21	DRAINAGE TO VEHICLE WASH REVISED TO SUIT LEVELS DRAWING	CS
E06	09:02:21	VEHICLE WAS INTERCEPTOR POSITION REVISD	CS
E05	05:02:21	VEHICLE WASH AREA REVISION FOR RECLAIM	CS
E04	20:01:21	POSITION OF DRAWING ADJUSTED TO MATCH CO-ORDINATE.	CS
E03	11:01:21	SMWH19 IL REVISED; OUTLET TO DITCH IL REVISED	CS
E02	23:12:20	ATTN TANK SIZE ALTERED; DETENTION BASIN POND MOVED SLIGHTLY TO WEST; OUTLET POSITION AND IL LEVEL REVISED; SMWH2; ADDED; FWH1&2 ADDED;	CS
E01	12:11:20	ACO DRAINS SPEC AMEND; PIPE DIA TO DETENTION BASIN AMENDED; VEHICLE WASH TREATMENT TBC	CS
A07	16:04:20	SMWH13 CORRECTED TO SMWH20	CS
A06	08:04:20	SW DRAINAGE ROUTE ALTERED TO ROUTE ROAD GULLIES THROUGH BYPASS INTERCEPTOR; FW TREATMENT PACKAGE AMENDED; VENT PIPE NOTES ADDED	CS
A05	31:03:20	MH BELOW CAR PARK ATTENUATION TANK ADDED; DETENTION BASIN INLET IL ALTERED; NOTE CLARIFYING IL OF CULVERT ADDED; FW LAYOUT AMENDED	CS
A04	29:03:20	LEVELS AMENDED; LAYOUT ALTERED SLIGHTLY TO SUIT; DRAINAGE ADDED TO ENTRANCE; ADDITIONAL NOTES	CS
A03	16:03:20	NOTES ADDED; LAYOUT AND LEVELS AMENDED	CS
A02	06:03:20	DRAINAGE TO FUELLING ISLAND AMENDED	CS
A01	02:03:20	FIRST ISSUE	RC

Project  
**CAENBY CORNER COUNCIL DEPOT**

Title  
**DRAINAGE PLAN**

Client  
West Lindsey District Council

**Waterman**

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Drawing Status  
**CONSTRUCTION**

Designed by CS Checked by CS Project No  
15679

Drawn by R.Chapman Date OCTOBER 2019

Scales @ A1 Computer File No  
15679 STR SA 92 0001 E09.dwg

work to figured dimensions only 1:250

Publisher	Zone	Category	Number	Revision
STR	SA	92	0001	