N

WADEFORD CLOSE

BUTLER STREET

HARRIETT STREET

POLAND STREET

MOZART

EXISTING 450mm PUBLIC COMBINED SEWER

EXISTING 225mm PUBLIC COMBINED SEWER

EXISTING 600x750mm PUBLIC COMBINED SEWER

EXISTING 225mm PUBLIC COMBINED SEWER

EXISTING 375mm PUBLIC COMBINED SEWER

EXISTING TREES RETAINED

PORTUGAL STREET/WADEFORD CLOSE WORKS INCLUDED WITHIN S278 PACKAGE. PLEASE SEE S278 PACKAGE FOR FURTHER DETAILS

PLEASE REFER TO DRAWING NUMBER 1826-01-CIV-XX-XX-31003 FOR CROSS SECTION A-A DETAILS

BOUNDARY TIE INTO EXISTING LEVELS

RG2 BIORETENTION FEATURE AREA= 47m²

S2.0 - 450Ø PPIC CL51.414m IL50.046m

FOR SWALE DETAILS PLEASE REFER TO DRAWING 1826-01-CIV-XX-XX-D-C-31003

APPROXIMATELY 34m³ STORAGE AREA VOLUME MIN 300mm TYPE 3 SUB-BASE WITHIN ST3 BUILD UP. PLEASE REFER TO DRAWING 1826-01-CIV-XX-XX-D-C-41001

S1.0 - 450Ø PPIC CL51.235m IL50.485m

PLAY AREA SUBBASES TO BE LAID TO FALL TO PERFORATED PIPE

FILTER DRAIN BEHIND RETAINING WALL

VOLUME OF SUB-BASE REDUCED AT PLAY TOWER FOUNDATION. SUB-BASE TO BE CONSTRUCTED UP TO FOUNDATIONS

FOUNDATION FOUNDING LEVEL WELL BELOW SUB-BASE FORMATION LEVEL

S1.1 - 450Ø PPIC CL51.400m IL50.194m FITTED WITH 30mm ORIFICE PLATE

S3.1 450Ø PPIC CL51.315m IL50.615m

S2.1 - 600Ø PPIC CL50.954m IL49.738m(225Ø) IL49.814m(150Ø)

S3.0 - 1200Ø CL51.155m IL49.654m(225Ø) IL49.779m(100Ø)

S4.0 - 1200Ø MH CL51.027m IL49.264m(225Ø) IL49.339m(150Ø)

S4.1 - 450Ø PPIC CL50.857m IL49.482m

CHANNEL OVERFLOW

DRAINAGE RUN SUFFICIENTLY DEEP TO RUN BELOW TREE PIT

EXISTING TREES RETAINED

EXISTING TREES RETAINED

CONTRACTOR HAS CONFIRMED THAT THE PERFORATED PIPE WILL RUN IN BETWEEN NO-DIG SOLUTION AND BURIED UTILITY SERVICES

EX UU MH CL51.340m Ibc IL47.720m(450Ø) IbcBD.48.881m(150Ø) PROPOSED CONNECTION INTO UU SEWER IN WADEFORD CLOSE AGREED IN PRINCIPLE BY UU AND SUBJECT TO S106 AGREEMENT. DISCHARGE RATE AT 5l/s.

NON-RETURN VALVE TO BE CONSTRUCTED ON OUTFALL

INDIRECT CONNECTION TO UU SEWER VIA EXISTING PRIVATE DRAINAGE

S6.0 - 1500Ø CL51.458m IL48.967m

S5.0 - 1200Ø CL51.200m IL49.037m

HYDROBRAKE FLOW CONTROL SIZE 560 (W) x 100 (D)mm SUMP SIZE 200 x 365mm OUTLET DIA. 150mm PRODUCT NUMBER: CTL-SHE-0093-5000-1950-5000

PROPOSED STONE STORAGE NOMINALLY GRADED TO FALL TOWARDS PERFORATED PIPE

RG1 BIORETENTION FEATURE AREA= 73m²

OVERFLOW GULLEY CL: 50.780mAOD REFER TO CIVIC DRAWING 1826-01-CIV-XX-XX-D-C-31003 FOR DETAIL

Crown Industrial Estate

Poland Street Industrial Estate

Shelter

PH

52.1m

STANDARD NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND THE SPECIFICATIONS.
2. THIS DRAWING SHOULD NOT BE SCALED.
3. ALL DIMENSIONS ARE TO BE VERIFIED BY THE CONTRACTOR ON SITE.
4. ALL DISCREPANCIES SHOULD BE REPORTED TO C.A./E.A. PRIOR TO THE COMMENCEMENT OF WORKS.

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KEY AND NOTES

- EXTENT OF WORKS BOUNDARY
- SLOPE GRADIENT
- PROPOSED RAIN GARDEN
- POROUS ASPHALT WITH PERMEABLE SUB-BASE (MIN 300mm DEEP)
- POROUS ASPHALT WITH PERMEABLE SUB-BASE (MIN 500mm DEEP)
- ACO CHANNEL M150D 10.0 WITH SLOTTED GRATING DUCTILE IRON C250
- PERMEABLE PLAY SURFACE WITH PERMEABLE SUB-BASE
- EXISTING COMBINED SEWER
- PROPOSED SURFACE WATER MANHOLE
- PROPOSED SURFACE WATER PIPE
- PROPOSED PERFORATED SURFACE WATER PIPE
- PROPOSED DRAINAGE RILL
- RE RODDING EYE
- ◆G EXISTING GULLY
- EXISTING COMBINED SEWER MANHOLE - INDICATIVE LOCATION
- ◆G PROPOSED GULLY
- ◆SU ACO UNIVERSAL SUMPED OUTLET GULLY
- EXISTING BELOW GROUND PRIVATE DRAINAGE

SuDS ELEMENTS

RAINGARDENS WILL BE UNDERLAIN BY A 300mm THICK LAYER OF 4-20MM CLEAN STONE (SUDS) AGGREGATE MATERIAL WITH A VOID RATIO OF 30% BELOW THE GROWING MEDIUM LAYER.

POROUS SURFACING TO BE LAID OVER A MINIMUM 300mm DEEP LAYER OF TYPE 3 OPEN GRADED AGGREGATE. COMPACTED TO ACHIEVE 30% VOID RATIO FOR VOLUME CALCULATION PURPOSES.

RAINGARDENS TO BE PLANTED USING WATER RESILIENT NATIVE PLANTS IN ACCORDANCE WITH PLANIT IE LANDSCAPE DETAILS AND SPECIFICATION

ALL DRAINAGE TO UU SEWER US FOR HARDSTANDING AREAS ONLY

NO LAND DRAINAGE IS DRAINING TO UU SEWERS

DATE	REV	DESCRIPTION	DRAWN	CHKD
16.08.24	C07	ADDITIONAL NOTES ADDED, SITE LAYOUT UPDATED	TC	CK
29.05.24	C06	ADDITIONAL NOTES ADDED, SITE LAYOUT UPDATED	TC	CK
07.05.24	C05	NRV ADDED TO FINAL PRIVATE MANHOLE	TC	ZG
15.04.24	C04	SW CORNER UPDATED. S2.1 MOVED.	ZH	TC
21.03.24	C03	UPDATED SITE LAYOUT	ZH	TC
19.02.24	C02	UPDATED AS INDICATED	ZG	CFK
12.01.24	C01	SUBMITTED FOR STAGE 5	BW	ZG
05.01.24	P06	SUBMITTED FOR PRE COMMENCEMENT CONDITIONS	BW	ZG
16.11.23	P05	UPDATED TO PLANIT COMMENTS	BW	TC
31.07.23	P04	ISSUED FOR STAGE 4	CD	CK
09.05.23	P03	ISSUED FOR STAGE 4	BW	CK
30.01.23	P02	REDLINE BOUNDARY UPDATED	BW	CK
16.12.22	P01	ISSUED FOR INFORMATION	BW	CK

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PROJECT
POLAND STREET ZONE

TITLE
PROPOSED DRAINAGE STRATEGY ANCOATS GREEN

DRAWING STATUS	STATUS CODE
STAGE 5	-

CE PROJECT No.	SCALE @ A0	DATE CREATED	DRAWN	CHECKED
1826-01	1:250	DEC'22	BW	CK

DRAWING No.: 1826-01-CIV-XX-XX-D-C-30001 REV: C07

FILE LOCATION PATH: P:\PROJECTS-HOT\1826-01 POLAND STREET ZONE\BIM\@01-WIP\DRAWINGS\1826-01-CIV-XX-XX-D-C-30001 DRAINAGE STRATEGY ANCOATS GREEN.DWG