A1

8" ASBESTOS

KLARGESTER CLASS 1 BYPASS PETROL INTERCEPTOR REF. NSBE120 OR SIMILAR APPROVED

SURFSEP SILT TRAP SWB600/01 OR SIMILAR APPROVED

400 DUCTILE IRON

BARNEY'S LANE

EXISTING EARTH BANK TO BE RESIGNED, SEE TYPICAL EMBANKMENT SECTION

EXISTING GRASS VERGE

EXISTING FOOTPATH

TOP OF PROPOSED BERM

DENOTES AREA TO TREE PITS

PERMEABLE PAVING

1.8m CONCRETE FOOTPATH

3 NO FLAG POLES

HYDROVRAKE MH - SW MH 13
CL=96.60
@ IL=94.76
FLOW CONTROL DEVICE TO BE PLACED ON OUTLET OF MANHOLE TO LIMIT FLOW TO
Q2=2.05 l/s
PROPOSED IS HYDROBRAKE PRODUCT No.
C.TL-SHE-0062-2100-1576-2100

PROPOSED STORMTECH ATTENUATION SYSTEM MC3500
* MIN. REQUIRED VOL.: 822m³
(VOL.PROPOSED: 832m³)
* PROPOSED AREA: 760m²
* BASE OF TANK @ +94.20
* HIGH WATER LEVEL @ +95.55
* MIN. GROUND LEVEL ABOVE ATT.SYSTEM @ +96.625
* MAX. GROUND LEVEL ABOVE ATT.SYSTEM @ +96.85

OFFICE FFL 97.25

WAREHOUSE AREA 1510m² FFL +97.25

67mm WATERMAIN SERVICE CONNECTION WITH BOUNDARY BOX AND IRISH WATER COMPLIANT WATER METER

RETAINING WALL

RAMP 1:17.7

1.5m FOOTPATH

PROPOSED LANDSCAPE STRIP

SITE AREA (OUTLINED IN RED)
A= 9763m² (2.41 ACRES)

RAIN WATER HARVESTING TANK (3,000 l) WITH CONNECTION TO 1no RWP. REFER TO M&E DRAWINGS FOR DETAILS

WATER SUPPLY TO POWER WASHER

CONCRETE MARSHALLING YARD

CONOLAN ROAD

500 DUCTILE IRON

PROPOSED CONNECTION TO EXITING 200mm WATERMAIN - EXISTING SPUR TO BE UTILISED

PROPOSED CONNECTION TO EXISTING SURFACE WATER MANHOLE ON SITE
CL=96.78
@ IL=94.717

PROPOSED CONNECTION TO EXISTING FOUL MANHOLE (& SPUR)
CL=96.67
@ IL=94.70

WORKSHOP FFL 97.00

RIDGE

PIT

OVERFLOW PIPE

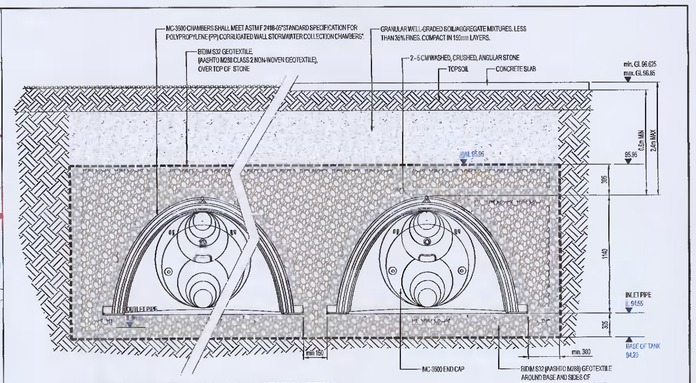
PROVIDE KLARGESTER WASHDOWN SEPARATOR REF. No. NSW20

PROPOSED 600mm INFILTRATION TRENCH 30.00m
PROVIDE FLUSH KERB TO AREA OF INFILTRATION TRENCH

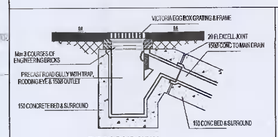
TRUCK WASH AREA (100m²)

PROVIDE HORIZONTAL SETTLEMENT TANK SILT TRAP WITH REMOVABLE GRILLAGE OVER

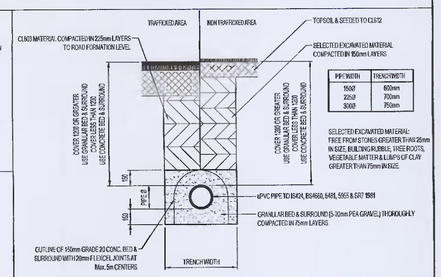
PROPRIETARY POWER WASHER & DIESEL REFUEL FACILITY PROVIDED SEPARATELY BY CLIENT



STORMTECH CHAMBER MC3500 - CROSS SECTION DETAIL
NTS



TYPICAL ROAD GULLY
(NTS)



TYPICAL MAIN DRAINAGE TRENCH
(NTS)

LEGEND:

EXISTING SURFACE WATER DRAINAGE	Ex. SW MH — EXRG (EXISTING ROAD GULLY)
PROPOSED SURFACE WATER DRAINAGE	SW MH — DRG (DOUBLE ROAD GULLY)
PROPOSED RAIN WATER PIPE (ONLY CLEAN ROOF RUNOFF)	SW MH — RWP
PROPOSED SURFACE WATER DRAINAGE (DISCHARGE PIPE)	OUTFALL SW MH
EXISTING FOUL SEWER	EX. FS MH
PROPOSED FOUL SEWER	FS MH
PROPOSED ACO DRAIN AND PIPE (TO SW DISCHARGE)	ACO DRAIN
EXISTING WATER MAIN	
PROPOSED 150mm HDPE WATER MAIN	HYDRANT — SV
PROPOSED LEVELS	+96.90

1 2 3 4 5 6 7 8 - ALTERATION NUMBER FOR SUBJECT APPLICATION

THE SUBJECT ALTERATIONS ARE AS FOLLOWS:

1) PROVISION OF A NEW SEPARATE ANCILLARY WORKSHOP BUILDING TO THE SITE'S WESTERN CORNER MEASURING 278 SQ.M, OVERALL HEIGHT 9.7M;

2) PROVISION OF NEW EXTENDED GLAZED ENTRANCE OF ANCILLARY OFFICE AT GROUND FLOOR (283Q.M, 5.9M HIGH) TO THE FRONT NORTH-WESTERN ELEVATION AND NEW EMERGENCY EXIT ROUTE AT FIRST FLOOR (43SQ.M) EXITING TO SIDE NORTH-EASTERN ELEVATION BY NEW EXTERNAL STAIRS. ADDITIONAL FLOOR AREA PROVIDED 71 SQ.M;

3) PROVISION OF 3 NO. INTERNALLY LIT BUILDING MOUNTED BUSINESS LOGO SIGNS, 12.25 SQ.M EACH (12.7M ABOVE GROUND LEVEL) TO THE FRONT (NORTH-WESTERN), SIDE (NORTH-EASTERN) AND REAR (SOUTH-EASTERN) ELEVATIONS;

4) PROVISION OF 3 NO. 10M HIGH FLAGPOLES TO THE NORTH OF THE SITE, WITH A DISTANCE OF APPROX. 31M FROM THE WAREHOUSE AND NEW EXTENDED OFFICE ENTRANCE;

5) PROVISION OF 288 SQ.M SOLAR PANELS TO THE ROOF OF THE WAREHOUSE;

6) PROVISION OF A NEW RECESSED ACCESS/EGRESS, REARRANGEMENT OF TRUCK WASH AREA AND REFUEL AREA AND PARTIAL REVISION OF THE NORTH-WESTERN SITE'S BOUNDARY FENCE TYPE C;

7) ELEVATION AND SITE PLAN REVISIONS ASSOCIATED WITH ENTRANCE PORCH, SIGNAGE AND FIRE EXIT STAIRS; AND

8) ASSOCIATED DRAINAGE ADJUSTMENTS DUE TO THE INCLUSION OF THE ABOVE ALTERATIONS.

ALL OTHER DETAILS WILL REMAIN AS PER THE GRANTED APPLICATION REG. REF. SD20A/0204.

Mark	Date	By	Chk.	App.	Revision
PL3	13/09/2021	ED	PK	-	ISSUED FOR ADDITIONAL INFORMATION
PL2	30/8/2021	ED	PK	-	ISSUED FOR PLANNING ALTERATIONS

Drawing Status
PLANNING ALTERATIONS

Job Title
SITE DEVELOPMENT AT BALDONNELL BUSINESS PARK, BALDONNELL, DUBLIN 22

Drawing Title
DRAINAGE AND WATERMAIN LAYOUT

Architect/Client
Airtraks Limited T/A ATC Computer Transport

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Drn	Checked	Approved
ED	PK	
Scales		Date
1:250		SEPTEMBER 2021

Job No.	Drawing No.	Rev.
D1660	D3	PL3