

IPPC Document C3.1

Waste Updated

Waste recycling facility and baling plant

Hal Far, l/o Birżebbuġa

PA 2453/10 //PA 03240/15

EPF/A/PAF/12/75

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1 Operational Phase

The wastes generated during this phase will arise from three areas, the first being the administration and the second is the ELV facility and the third is the metal scrap facility. Waste arising from the administration block would mostly consist of paper and plastic waste together with very small quantities of food waste.

The second source of waste is that derived from the ELV facility. A standard ELV facility utilising specialised equipment is purposely produced to limit as much as possibly any spillages and retain hazardous wastes in a safe environment in specialised tanks and containers. Other materials such as tyres, catalytic converters etc. which are removed as part of the ELV depollution process are retained in special containers within the ELV store until they are collected by a registered waste broker. Once the depollution process is complete the remaining contents of the vehicle are considered as non-hazardous. Some of these items such as glass panels, rubber fittings and trimmings, plastics and electrical and electronic parts could be removed manually and stored in separate containers for recycling purposes or disposal. The remaining parts are then transferred to the shredder where the ferrous¹ and non-ferrous parts are shredded and separated accordingly.

In the case of the larger vehicles (>3.5tonnes) the remaining metal parts are then sheared by means of a shearing scissors in the yard and the metal is baled by means of the baling plant. The floors of all garages and the open yard will be covered with an impermeable layer of concrete so in case of any spillages, these could be easily recovered by means of appropriate absorbents.

¹ This is referred to as light or heavy scrap. Light scrap is iron which has a thickness less than 5 mm whereas heavy scrap is one which has a thickness greater than 5mm.



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The metal scrap facility will recover different types of metals from items which are brought to the site. Additional material such as plastics and rubber would be removed manually and disposed in special plastic and rubber bins for possible recycling. Materials which have no recycling or re-use value would be removed and placed in bins which are disposed in the landfill.

Site plans I and II show the location where each of these wastes will be located.

Site Plan III refers to liquid wastes.



Activity	Waste Description	EWC Code	H Code	Quantity Projected	Maximum Storage capacity	Bunding capacity	Internal Handling and Storage	Fate of waste stream	Frequency and Method of Transport to Disposal Site	Offsite Disposal Site/ Waste Management Company
Operation Phase										
Scrap facility	Ferrous	191001	N/A	~3000 tonnes/quarter	~5-6000 tonnes	N/A	Shredded, retained in open yard and exported	Recycling	Trucks and ship	Turkey/ China
	Aluminium	191002		~150 tonnes/ quarter	~150 tonnes		Baled, retained in store and exported		Container	China/ Turkey/ Vietnam
	Copper	191002		~200 tonnes/ quarter	~200 tonnes		Baled, retained in store and exported		Container	Pakistan/ China/ Singapore
	Brass	191002		~100 tonnes/ quarter	~200 tonnes		Baled, retained in store and exported		Container	Pakistan/ China/ Singapore
ELV facility	Batteries	160601	H5, H8	50-60 /week	~70		Stored in bunded area under cover and sold to registered broker		Secure truck	Schembri Batteries, Marsaskala
	Glass	160120	N/A	1500Kg/week	2000kg		Stored under cover and exported		Container	N/A
	Plastic	160119		1000Kg/week	1500kg		Baled and stored under cover and exported		Truck	
	Tyres	160103		1.5-2 tonnes/week	2 tonnes		Stored under cover shredded and exported		Container	
	ELV Vehicles	160106		~ 50/week			Depolluted, shredded and stored in yard and exported		Trucks and ship	Turkey/ China
	Upholstery	160199		~10 tonnes/ week	20 tonnes		Shredded and landfilled	Disposal (no market)	Truck	Engineered landfill
	Engine, gear, lubricating oils	130204-6	H3-H6	750-1000ltrs/week	2000 ltr	>1100ltrs	Stored in special tanks in bunded area	Reuse	Weekly transferred to registered waste company for processing	Waste Oils Company Ltd
	Absorbents, oil filters	160107	H4	~50 per week	100	N/A	Drained and compressed in special compressor and shredded	Recycling	Same as ferrous waste	Turkey/ China
	Antifreeze fluids containing dangerous substances	160114	H4,H5,H6, H8	200 ltrs/week	1000ltr	>250ltrs	Stored in sealed plastic tanks in bunded area and exported		Exported, depending on availability Sealed plastic tanks in bunded area	N/A
	Other antifreeze fluids	160115	N/A	50 ltrs/week	1000ltr	>100ltrs	Stored in sealed plastic tanks in bunded and exported		Exported, depending on availability Sealed plastic tanks in bunded area	
	WEEE	160214/160213	N/A	200kg/week	1000kg	N/A	Dismantled and exported		Stored under cover	China/ Turkey

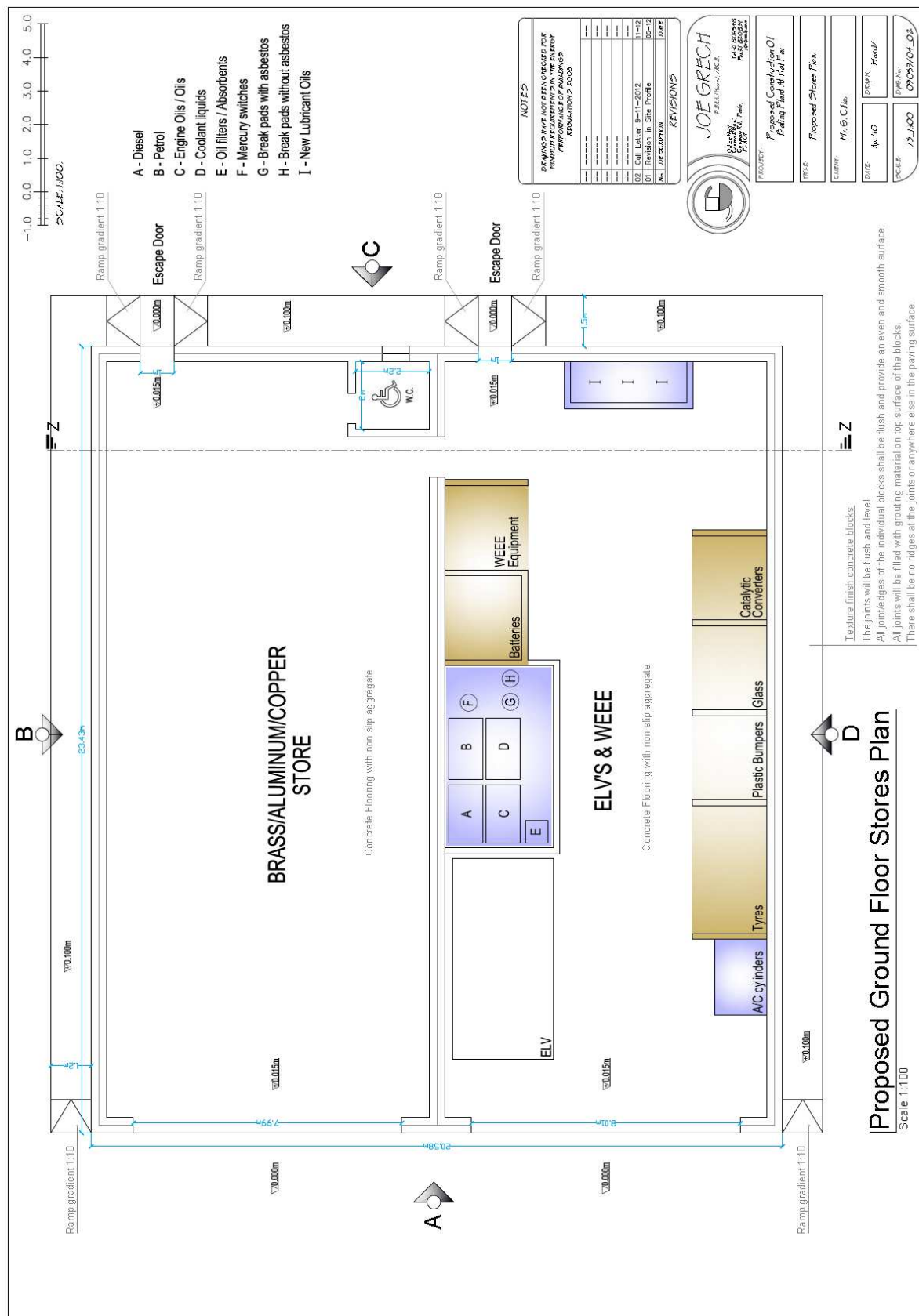


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Activity	Waste Description	EWC Code	H Code	Quantity Projected	Maximum Storage capacity	Bunding capacity	Internal Handling and Storage	Fate of waste stream	Frequency and Method of Transport to Disposal Site	Offsite Disposal Site/ Waste Management Company
Yard	Sludge oil/water separator	130501	H4-H6	23,000ltrs/year	1525 ltr total capacity 1210 ltr retention volume	N/A	Transferred to registered waste company for processing	Processed and reused	Stored in oil/water separator and pumped into licensed truck facility	Waste Oils Company Ltd
Administration facilitates	Domestic effluents	161002	N/A	300,000ltrs/yr	15 cubic m		Public sewer	Treated	Regularly drained through sewage system to Ta' Barkat sewage treatment plant	WSC
	Household waste	200301		1 large bag/day	2 bags		Domestic collection	Landfilled	Daily by means of refuse trucks	Council Contractor
	Plastics	200139		2-3 large bags a week	5-10 bags			Recycling	Once a week	
	Metal	200140								
	Paper and cardboard	200101								



Site Plan I

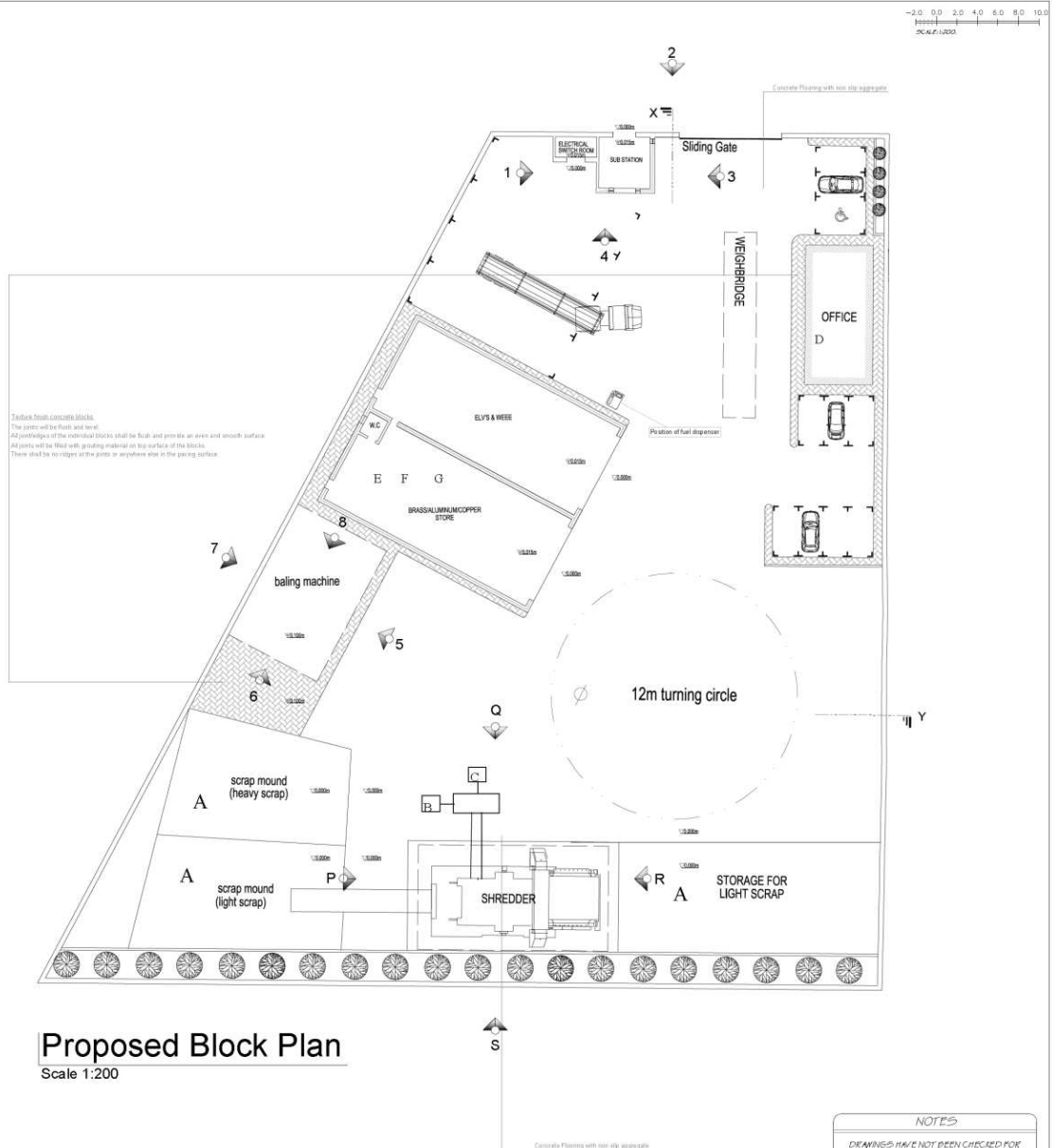




Site Plan II



EIS waste recycling facility, ELV and baling plant, *Hal Far*, l/o Birzebbuga



Proposed Block Plan
Scale 1:200

Site Area	1295 m ²
Uses	Floor Area
	Area/m ²
Office plot	92.0
Office lift	96.7
Scrap Store	25.0
Scrap Store	8.00
ELV's & waste	240.0
Brass/Aluminum/Copper Store	240.0
Baling Plant	140.0
Shredder	221.6
Heavy scrap mound	150.4
Light scrap mound	208.4
Truck Parking	200.0
Light car Parking	176.0

A-Ferrous Materials
B-Non-Ferrous Material
C-Upholstery
D-Household Waste (placed in Kitchenette)
E-Brass
F-Aluminum
G-Copper

NOTES		
DRAWINGS HAVE NOT BEEN CHECKED FOR MINIMUM REQUIREMENTS IN THE ENDS OF PERFORMANCE OF BUILDINGS REGULATIONS, 2006		
02	Call Letter 9-11-2012	11-12
01	Revision in Site Profile	05-12
No.	DESCRIPTION	DATE

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PROJECT:
Proposed Construction Of
Baling Plant At Hal Far

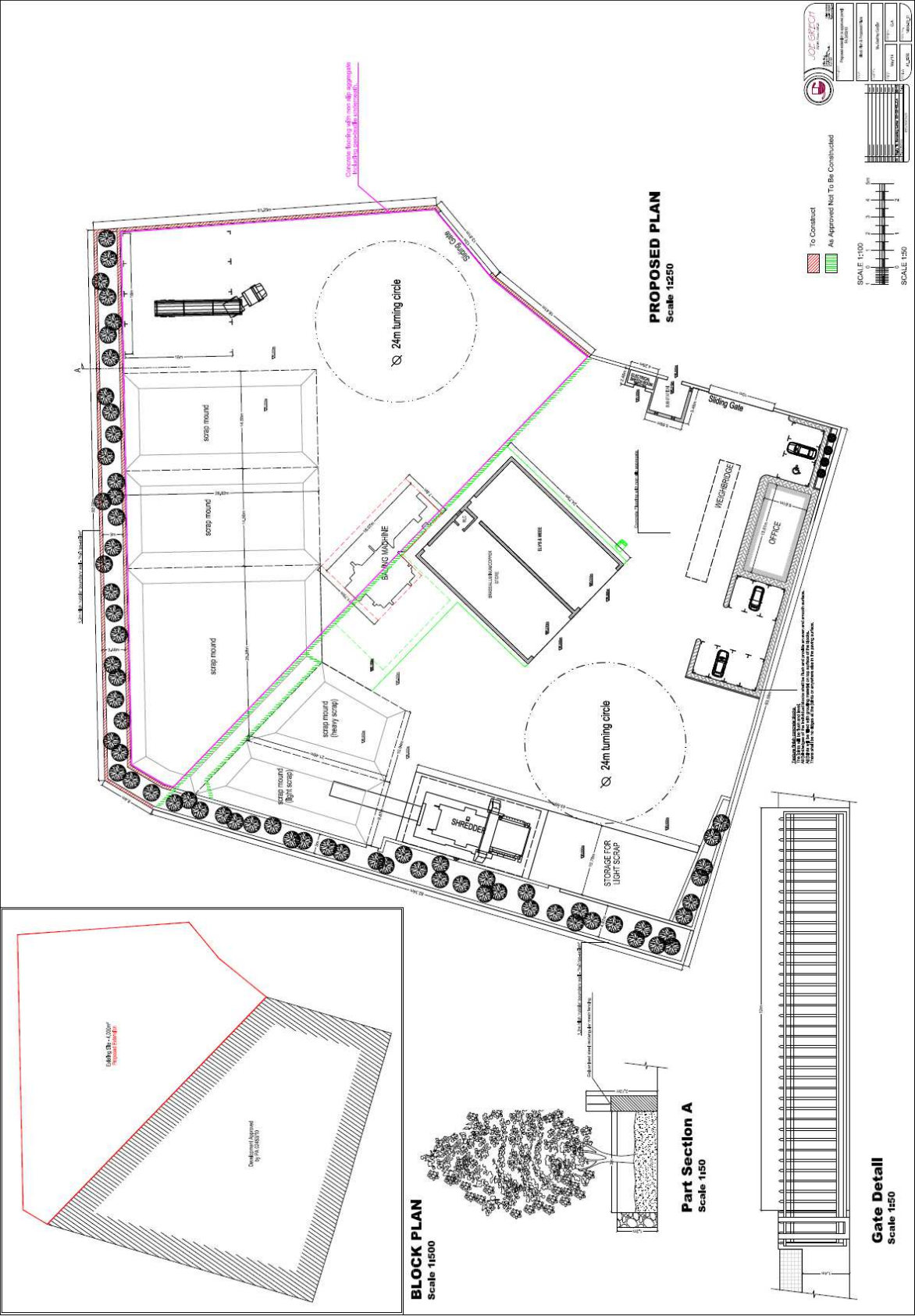
TITLE:
Proposed Block Plan

CLIENT:
Mr. G. Cilia

DATE:
Apr. 10

SCALE:
N.I.H.O.O.

DWG No.:
09039/0102

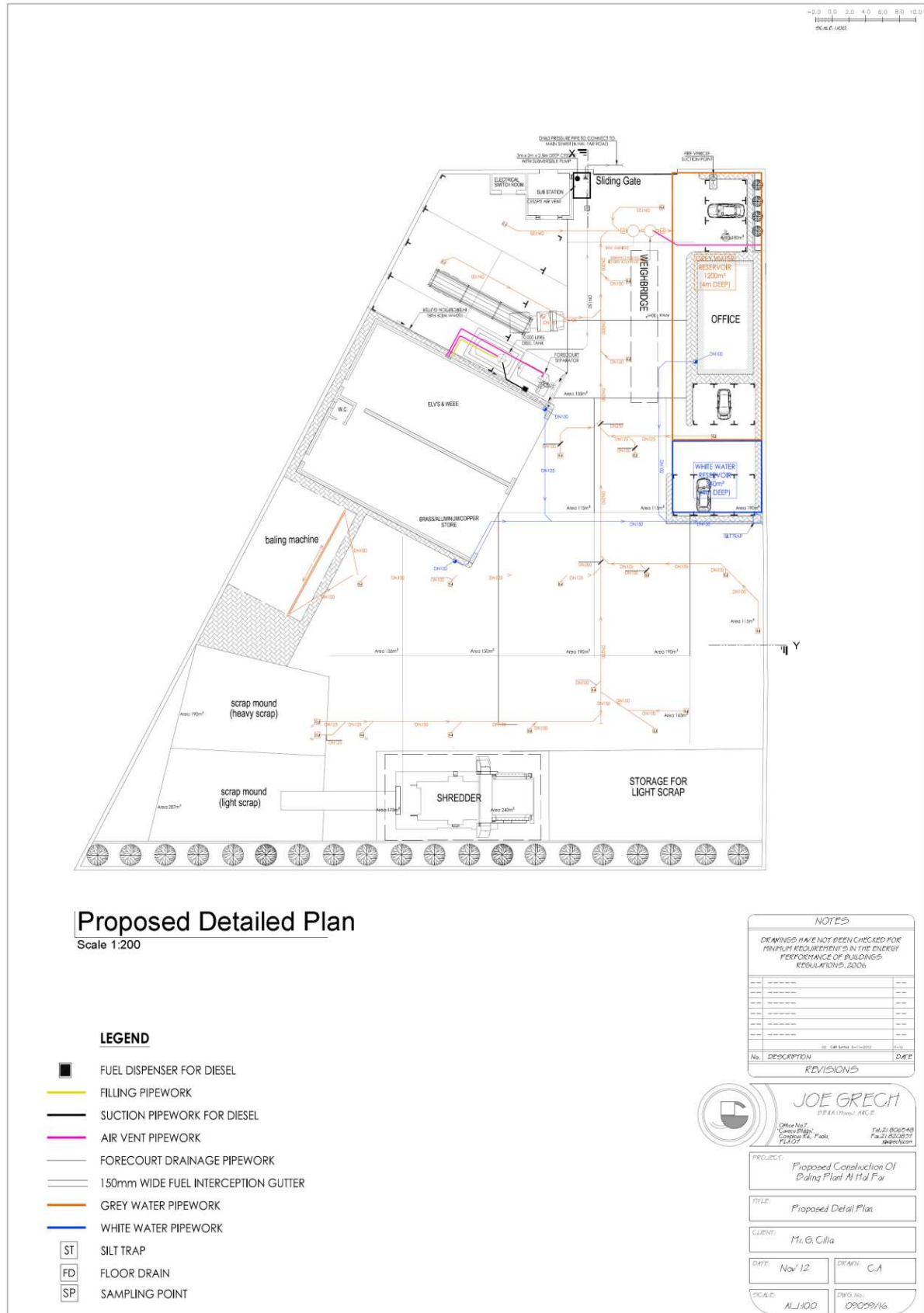


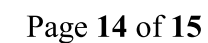


Site Plan III



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