

General Notes

- This drawing is to be read in conjunction with all other relevant drawings and specifications.
- Underground drains for foul and surface water drainage shall be as follows:
Twin wall plastic to BS 13476
- Manhole covers to be as follows:
D400 for parking areas
A15 for non-parking areas
- Rainwater and foul outlet positions to be confirmed by Architect.
- Drains passing through masonry walls to be built in. A flexible joint shall be provided within 150mm of the face of the wall with a further flexible joint within 600mm of the first joint.
- All gullies, rest bends, drainage channels, rodding eyes and attachments are to be installed strictly in accordance with the manufacturers printed instructions.
- The drainage shall be installed and tested strictly in accordance with the manufacturers printed instructions, BS 8000, BS 8301 and Local Authority bylaws.
- All existing manhole positions, invert levels & pipe sizes are to be confirmed on site by the contractor prior to commencement of work on site and be reported to MSJ.
- All in-situ concrete to comply with BS 8500.
- All precast concrete items to comply with BS 5911.
- Sulphate resisting cement (C20-DC2) and pre-cast concrete products must be used or a laboratory report provided proving that such measures are not necessary.
- All private drainage works to comply with Approved Document 'F' of the Building Regulations.
- All gullies and rainwater outlets are to be trapped.

- CDM Regulations - Drainage**
- All design work has been carried out with health & safety aspects given full consideration. Wherever possible risks have been eliminated from the design, however due to the nature of this type of work it is not possible to remove all risk.
- The contractor shall provide satisfactory responses via suitable method statements as to the manner in which they propose to carry out the work and deal with any high risk, in particular the following:
- All trench excavations, regardless of depth.
 - Guarding of edges of excavations to prevent injury.
 - Guarding of the works outside normal working hours.
 - Undermining of adjacent roads or structures.
 - Confined spaces operations.
 - Dealing with existing services.
 - Traffic management on existing highways.
 - Procedures to be followed in the event of an emergency.
 - Methods of working where ground contamination may be present.
 - Dealing with existing sewer flows.
- The above list is by no means exhaustive, but does highlight operations that present a risk to both contractors and the general public.

NOTE:-
For external yard slab build up, see drawing 4010

Line represents the top of the slope
Line represents the approx extents of retaining wall, as detailed in sections
Note - Refer to drawing 0020 for details of external retaining wall

PHASE 3
4m W x 4m L x 2m D silt pond. Lined with a silt net by 'Frog Environmental'. The filtered water will be pumped to the existing drainage

PHASE 2
4m W x 4m L x 2m D silt pond. Lined with a silt net by 'Frog Environmental'. The filtered water will be pumped to the existing drainage

PHASE 1
4m W x 4m L x 2m D silt pond. Lined with a silt net by 'Frog Environmental'. The filtered water will be pumped to the existing drainage

Refer to MSJ Drg.4001 for continuation of proposed drainage and external site levels scheme

P10	Drawing updated to tender, note added as bubbled	LW	MH	14.03.23
P9	No parking zone hatched onto drawing, see bubbled	LW	MH	14.12.22
P8	Hydrobrake added to have the correct head	LW	MH	07.11.22
P7	Retained height notes removed	CL	BM	07.09.22
P6	Retaining Wall added and slopes adjusted to suit. Line added to highlight location of the change in slope, as shown	CG	BM	30.08.22
P5	Plan revised to indicate potential changes due to results of ground investigation	CG	BM	19.07.22
P4	Drainage scheme added - not obscured for clarity	CG	LW	09.06.22
P3	North Arrow added for clarity	CG	LW	17.05.22
P2	Levels and slopes revised as per client meeting 30.03.22	CG	BM	04.04.22
P1	Final Issue	CG	LWB	11.03.22

Rev	Revision Description	By	CHK	Date
SCALE @ A0	ISSUING OFFICE	MSJ PROJECT NUMBER		
As indicated	Leeds	222005		
STATUS	PURPOSE OF ISSUE	TENDER		

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PROJECT
MAC's Truck Sales LTD

TITLE
Proposed Drainage and External Site Levels Scheme

CLIENT
MAC's Truck Sales Ltd.

DRAWING NUMBER	REV
MTCR-MSJ-ZZ-XX-DR-D-4000	P10

Drainage Linetype Key

	Surface Water Drainage
	Foul Water Drainage
	Gully
	Drainage to be abandoned
	Proposed Trief Kerb
	Existing Trief Kerb

1 Proposed Drainage and External Site Levels Scheme
1 : 200