CHAPTER 8 : STANDARD DRAWINGS AND FIGURES

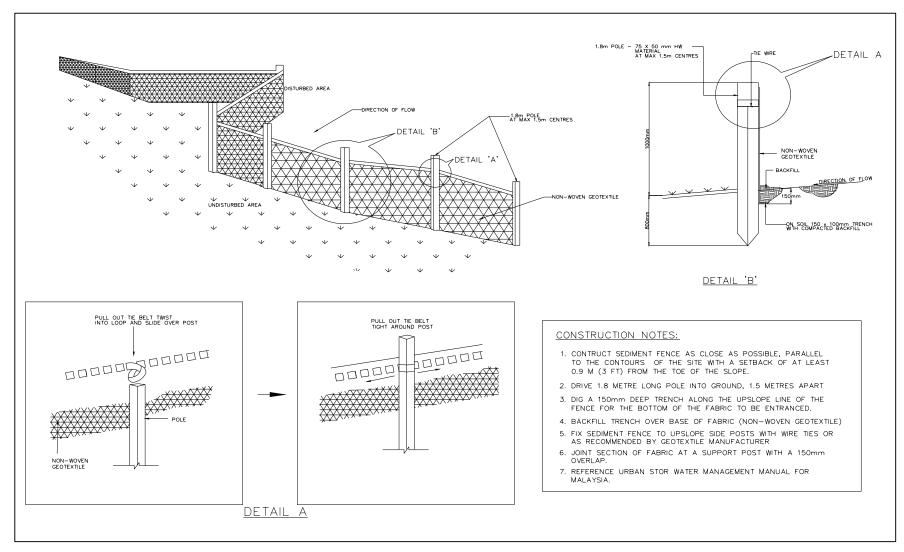


Figure 1.0 : Silt Fence

Arahan Teknik (Jalan) 16/03 - Pindaan 2008

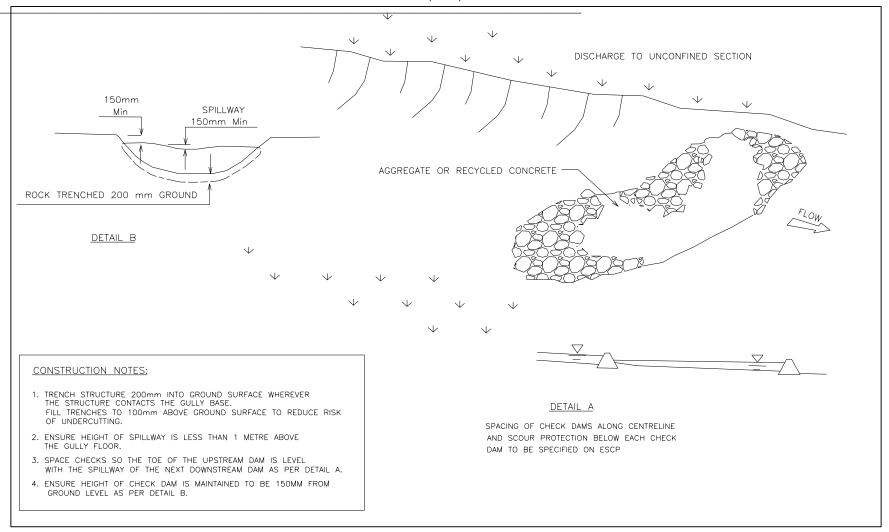


Figure 2.0 : Check Dam

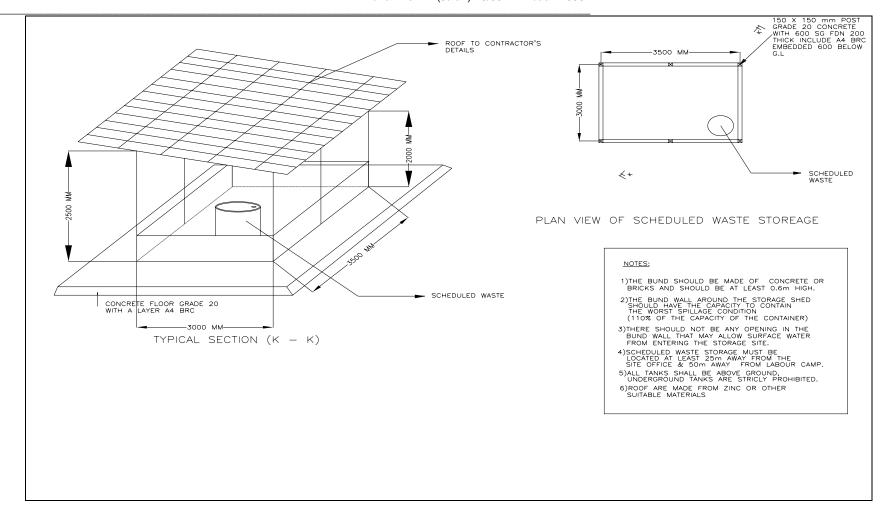


Figure 3.0: Scheduled Waste Storage Shed

Arahan Teknik (Jalan) 16/03 - Pindaan 2008

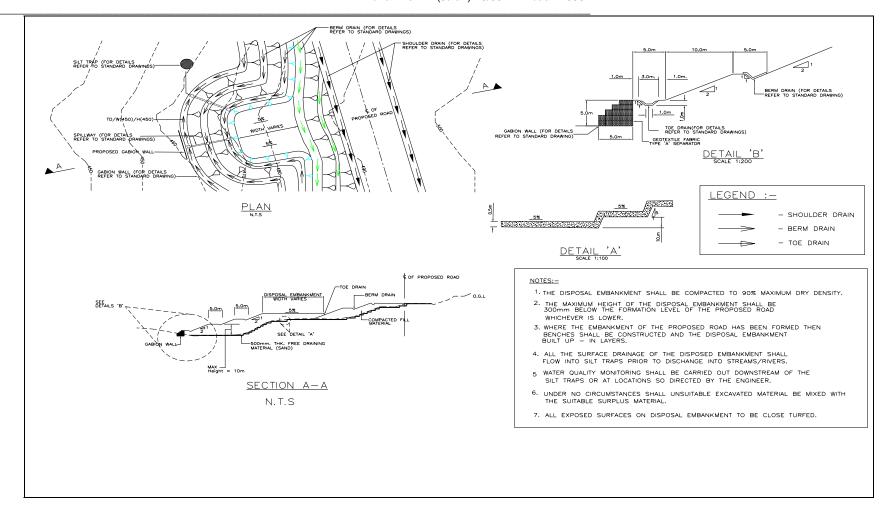


Figure 4.0: Disposal Of Suitable Cut Materials

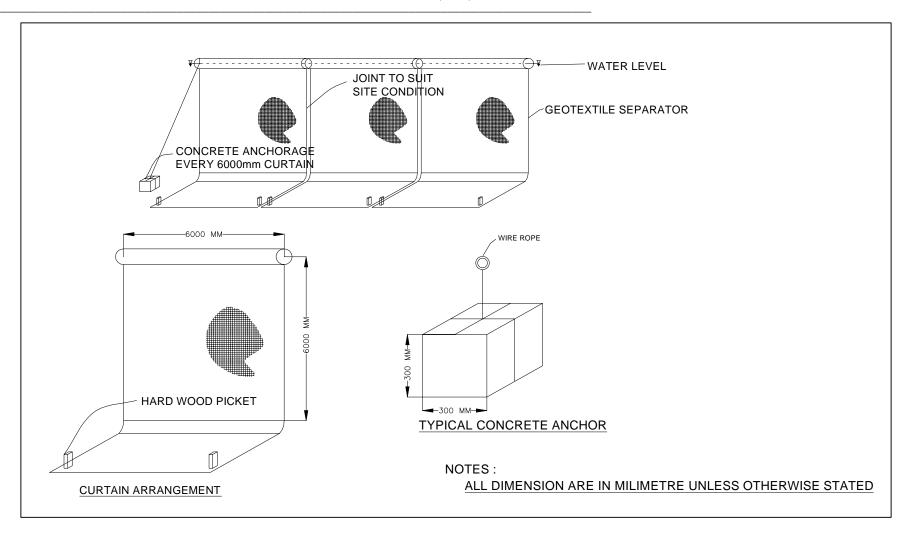


Figure 5.0 : Silt Curtain

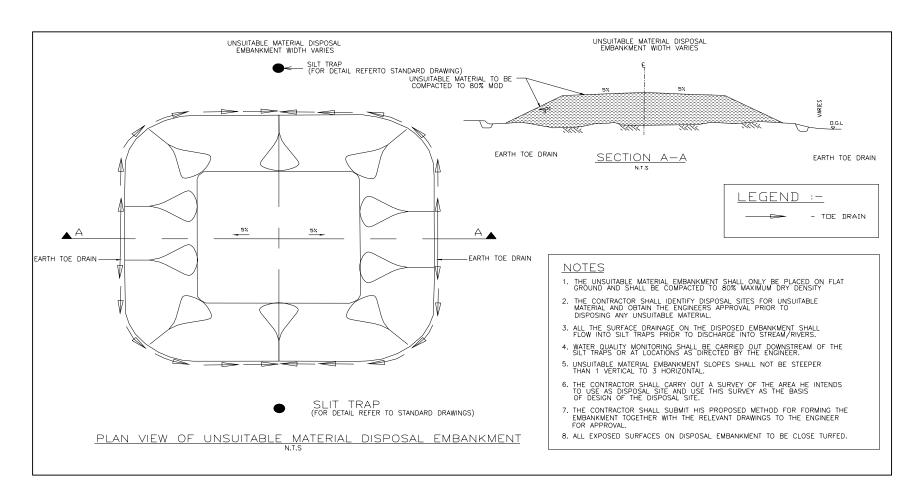


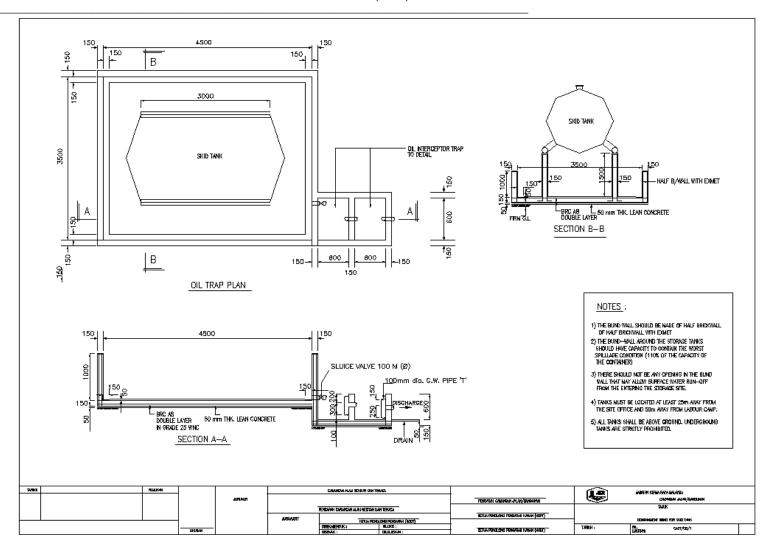
Figure 6.0: Unsuitable Material Disposal Embankment

INSTRUCTION TO CONTRACTORS ON DISPOSAL OF SURPLUS CUT MATERIAL

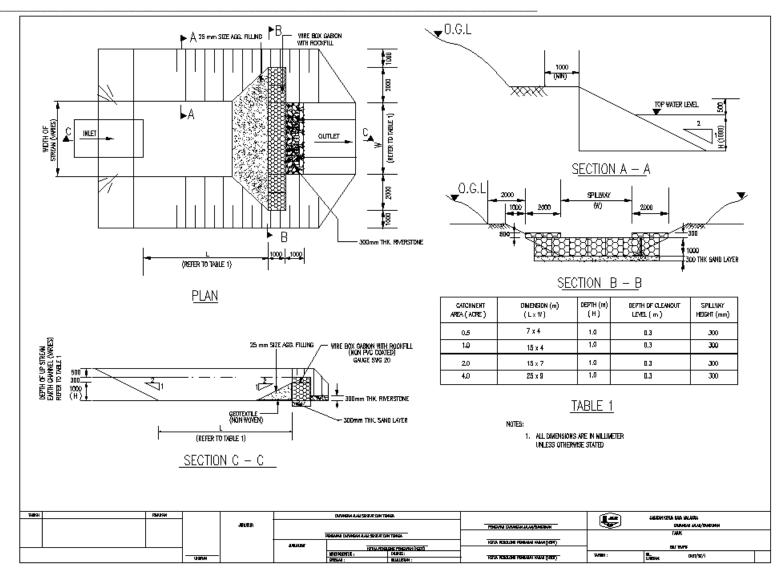
- Designated disposal sites shown on the drawings only indicate possible areas for disposal. The Contractor shall be responsible for locating disposal sites, be it on government land or private land.
- 2) The Contractor shall obtain the necessary approvals from the respective government agencies and private land owners for the use of the land as disposed site. All expenses incurred in making the necessary agreements including the oldima arising from the use of such solid waste dumps shall be the use of such solid waste dumps shall be deamed to be included in the respective bill items.
- 3) The Contractor shall comply with statutory requirements such as payment of royalties, environmental protection etc. and shall keep the Government and the Engineer indemnified against all penalties and liability of every kind for breach of any such requirements.
- 4) The Contractor is to note that the Works are carried out in an environmentally sensitive location and as such the choice of the disposal situs and the works thereof shall uphold the environment in its pristine state with minimal environmental damage.
- 5) The earth works for the disposal sites shall be corried out in a systematic and orderly manner in phasee so as to minimize ground surfaces from being exposed for long periods.
- 6) The disposal embankment shall be constructed evenly over their full width and shall be maintained at all times with sufficient comber to drain surface water away readily. Drainage shall be arranged towards the centre of the embankment with the necessary temporary channels.
- 7) Temporary ditches, wabercourses, drains and pumping shall be provided to keep the disposal site free from water. Adequate means of trapping silt, shall be provided on all temporary systems discharging into permanent drainage systems.
- 8) Any additional costs that may be required as a result of the diversion of the proposed stream / river diversions shown on the drawing, due to the disposal site, shall be borne by the contractor.

- 9) The Contractor shall ansure that the disposal embankment is stable. This is to milimize failures that may have a consequent environmental impact. Where diposal is carried out in existing ground with slopes >10%, benches shall be formed.
- Suitable retaining structures shall be provided where required to maintain the stability of the embankment.
- Embankment slopes shall be turfed as soon as possible. Where turfing cannot be carried out immediately, temporary protection (plastic sheet) shall be provided to the exposed slopes.
- 12) Where the disposal embankment is adjacent to the main highway embankment then it shall be compacted to a density equal to that of the highway embankment.
- 1.3) The Contractor shall comply with all the requirement of the JKR Specifications (Section 2 - Earthworks) when disposing adjacent to the main embankment.
- 14) Any increase in construction costs as a result of the disposal adjacent to the highway embankment shall be barne by the Contractor. These Increase In costs inter-alia may include longer toe drain lenghts and culverts.
- 15) The Contractor shall be responsible for additional land acquisition and cost implications thereof in respect acquisition costs and consequent delays in the completion of the Works. The Government shall not entertain any request for extension in time as a result of the additional land acquisition.
- 16) Where the disposal embankment is remote from proposed road and more than 10m high then it shall be compocted to a density equal to the proposed road embankment.
- 17) The proposed disposal embankment adjacent to existing/proposed road shall be 300mm below the formation level of existing / proposed road.

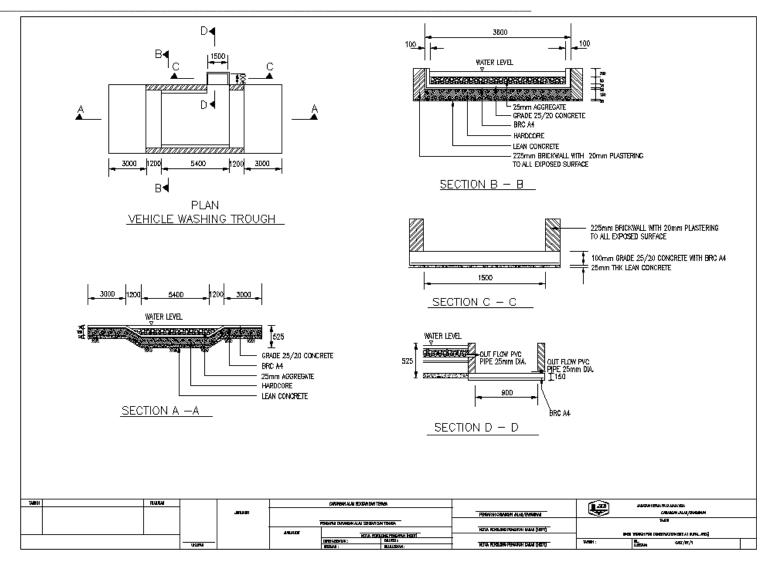
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		UKTEAR -			MEDADOLK:	BILLEY :	ETIL PREZIDE PERMANKANA (1937)	PfBH;	M.	П
		BMACH.		 	AFFACAS	AFRANA FORERAI OBARCANIAN KOTAR D JARAMETT KETAN-PDE TREDUZENTER:	AARRAA FORENI OBBREMIANI KOTIRI SHITINEN JERMET KUTIA FORENI OBBREMIANI KOTIRI SHITINEN KUTIA FORENI OBBREMI (KUTI SHITINEN) NEDABERI KUTIA FORENI (KUTI SHITINEN)	ARRAME FORCEM COMMUNIAL FOUR BMTBMCA JERMETT HOUSE STUDIES FRANCH (ACCT) METAL PORCEM COMMUNIAL FOUR BMTBMCA METAL PORC	FORCEM COMPCHIAGA FOUR DM TRICA FORCEM COMPCHIAGA FOUR DM TRICA JEMANSTY FORCEM COMPCHIAGA FORCEM POWNINGCOT) FORCEM FORCEM FORCEM POWNINGCOT) FORCEM FORCE	ARRAM FORCEM COMMON AND SOUTH DWITHOUT FORCEM COMMON AND SOUTH DWITH DWITHOUT FORCEM COMMON AND SOUTH DWI



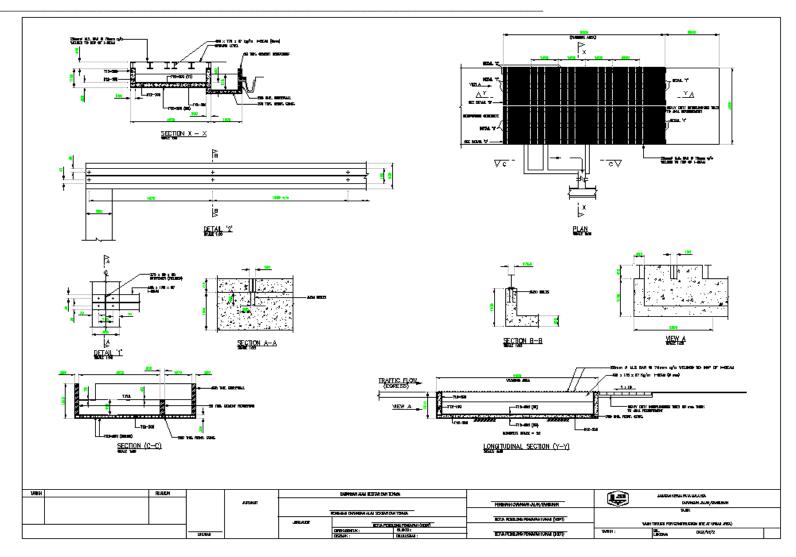
Drawing 2.0 : Containment Bund For Skid Tank



Drawing 3.0: Silt Trap



Drawing 4.0: Wash Trough for Rural Area



Drawing 5.0 : Wash Trough for Urban Area