

**sewer pipes alfawar -municipality**

**CIVIL AND MEC**

Item	Description	qty	unit	Unit Price US.\$.	Total Price US.\$.
	<u>cutting of paved road .Excavation to any depth in any type of material, sand bedding and surronds for pipes ,backfilling of trench including compaction and testing with suitable material supply and install Below sewer pipes installation complete as specified; invert levels as required; include all clean outs sleeves, fittings and accessories; disposal: .warning tape type of pipes sn4 dim 250 mm</u>	140	m		0.00
	<u>cutting of paved road .Excavation to any depth in any type of material, sand bedding and surronds for pipes ,backfilling of trench including compaction and testing with suitable material supply and install Below sewer pipes installation complete as specified; invert levels as required; include all clean outs sleeves, fittings and accessories; disposal: .warning tape type of pipes sn4 dim 150 mm</u>	300	L.M		0.00

<b>SEWAGE AND SURFACE WATER MANHOLES</b>					
c	<u>Sewage and surface water Manholes complete as specified; invert levels as required; include manhole covers, channels, fittings and accessories as required, include excavation disposal and all civil work.</u>				
	casting reinforcement concrete manhole with 2 layers of steel dim 12 mm dim of manholes 1.2m * 1.2m * ....tckof wall and slab 20cm with heavy duty frame and cover dim 80cm* 80 cm	6	nb		0.00
	casting reinforcement concrete manhole with 1 layers of steel dim 12 mm dim of manholes 80cm * 80cm * ....thck of wall and slab 12cm with medium duty frame and cover dim 60cm* 60 cm	10	nb		0.00
<b>Reinstatement</b>					
	<p><b>Asphalt</b> : Supply and place for the trench paving to the existing asphalt level all necessary material, labor and equipment.</p> <p>The works shall include but not limited to the following:</p> <ol style="list-style-type: none"> <li>1- Excavation to the sub grade level, remove excess material, level and compact sub grade.</li> <li>2- Spread and compact aggregate base coarse to 98% of Maximum proctor density of <u>20cm Coarse</u> backfill material shall be the specified gravel or crushed rock material</li> <li>3- Apply of MC70 prime coat as specified.</li> <li>4- Supply, spread and compact 10 cm of bituminous material.</li> <li>5-The finished surface of the new pavement shall conform to the grade, crown and slope of the existing pavement.</li> </ol>	180	m2		0.00
<b>SUM TOTAL</b>					<b>0.00</b>