

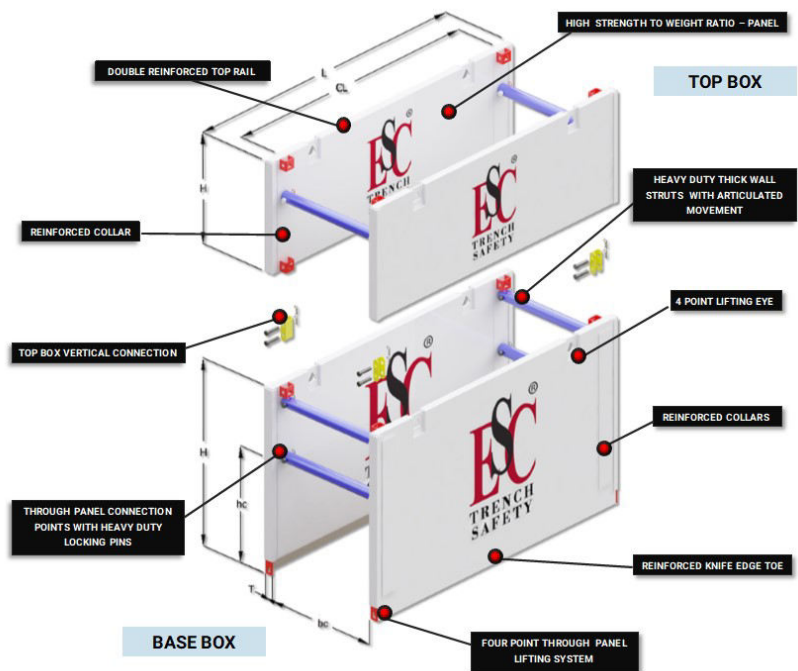
SEWER NETWORK, UAE

REPAIR & REHABILITATION PROJECT

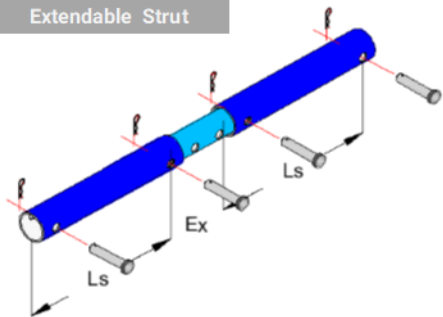
Project Name	Sewer Network
Client	Abu Dhabi Sewerage Services Company (ADSSC)
ESC Client	Mechanical and Civil Engineering Contractors (MACE)
Location	Abu Dhabi, UAE
Product	Trench Box
Quantity	10 pcs.

INTRODUCTION

The scope of work involved trench excavation about 2.4m~2.5m depth. A total of 480LM of trench excavation is planned by using ESC Trench Boxes. Due to the nature of the trench width, the project required Trench Boxes with the Variable Struts.



Extendable Strut



EXTENDABLE LENGTH STRUT COMBINATIONS

SN Strut	SI Strut	Extension Length				Weight (per strut) (kg)
		MIN (mm)	MAX (mm)	Increments (nos)	Increment Length (mm)	
SN 50	SI 70	1000	1300	2	150	46.6
SN 60	SI 70	1200	1500	2	150	52.8
SN 80	SI 120	1600	2200	4	150	76.4
SN 100	SI 160	2000	2800	4	200	97.7
SN 120	SI 200	2400	3600	6	200	119.0

Schematic view of the ESC Trench Boxes with Variable Struts .

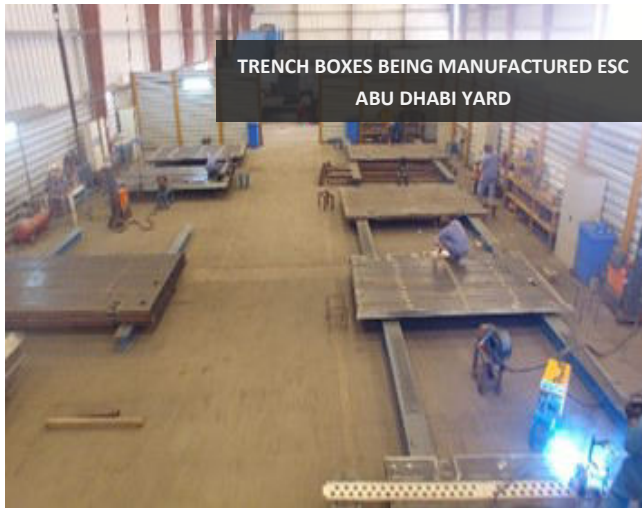
ESC SCOPE OF SUPPLY

TRENCH BOX

ESC has supplied TB40/10/24 Trench Boxes (Pic 1) with customized extendable struts. These Trench Boxes are 4m in length and 2.4m in height and come with fixed as well as variable struts option. The struts SN60 (fixed unit) together with the variable unit SI (c) 90 has the ability to vary the width of the Trench Box from a minimum of 1.2m to a

maximum of 1.7m.

A total of 10 TB40/10/24 Boxes are supplied with the intention of re-using over 12 sewerage lines each spanning 40LM in a phased manner to carry out the intended sewerage network rehabilitation works.



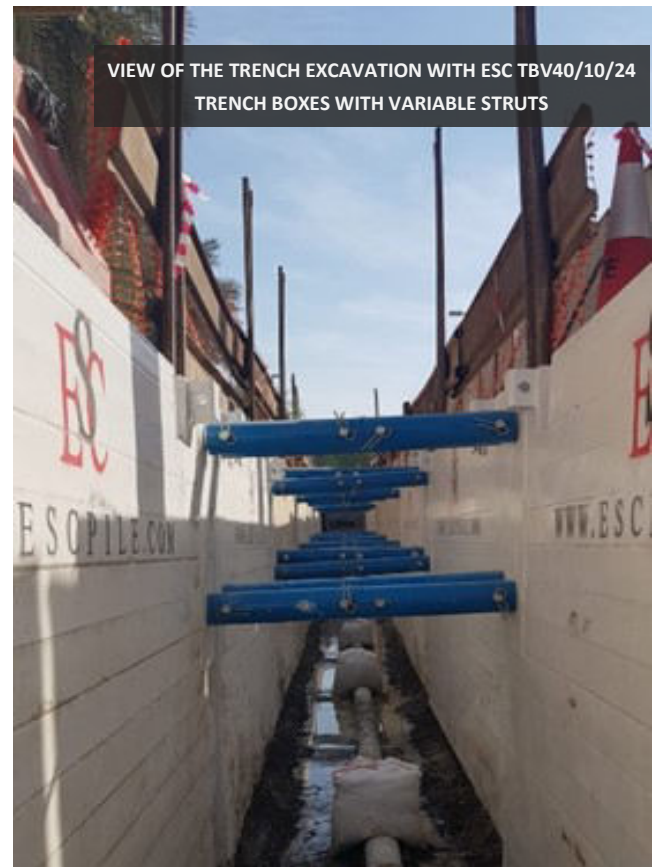
TRENCH BOXES BEING MANUFACTURED ESC ABU DHABI YARD



ESC TBV40/10/24 TRENCH BOXES WITH VARIABLE STRUTS BEING DELIVERED TO CONSTRUCTION



VIEW OF THE TRENCH EXCAVATION WITH ESC TBV40/10/24 TRENCH BOXES WITH VARIABLE STRUTS



VIEW OF THE TRENCH EXCAVATION WITH ESC TBV40/10/24 TRENCH BOXES WITH VARIABLE STRUTS