

**Site Technical Query - Form**

SN1809-0000/XE.FRM/0001 Rev 4 03/02/2022

TQ Number:		Project:	
CW2148472	-A010-	0034	Oyu Tolgoi Underground Project
A. To be completed by or on behalf of the Contractor			
Contractor/Sub-Contractor Name:	MCS International	Date Response	27/05/2022
Contract Title:	Haulage Truck Workshop /C-004D/	Plant Area &	1883
Contract No.	CW2148472	Contractor TQ Number:	TWS-0415-TQ-0034
Discipline Codes (Mandatory) D1 (CSA) - <input type="checkbox"/> D2 (MP) - <input checked="" type="checkbox"/> D3 (E&I) - <input type="checkbox"/> D4 (Other) - <input type="checkbox"/>			
<i>Description of Technical Query (List affected drawings and specifications):</i> Subject: Pipe supports design proposal for Road train bay-1,2 1.Sprinkler supports are not planned for 1" and 2" pipelines. Therefore, the contractor requested clarification from the company on the suggested supports.			
<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Urgent Refer Technical Query instructions			
<i>Proposed Action (List all attachments)</i> The Contractor is proposing to install marked SD106 supports and F1 supports with proposed dimension for the road train bay-1,2.			
If more space is required use extra page at the end of this FORM			
Effect on cost (USD):	NO		
Effect on schedule (Days):	NO		
Effect on quality:	NO		
Requested by (Name):	Nyamsuren.O	Position:	SMP Engineer
Signature:		Date: (dd/mm/yyyy)	24/05/2022

B. To be completed by Jacobs Field Engineer

Comments/recommendations by Engineering

Proposal is **accepted only for F1 type** of supports and to be advised as following comments.

- According to Fire System GA drawings (1883-40-B1-1101~1103), all of branch pipelines for Sprinklers shall be installed with F1 type of supports.
- Proposed **SD-106** type of supports are **not accepted**.
- Pipe support's spacing (span) shall be complied with note-4 on 0000-40-B1-8005 as shown below.

4. DISTANCES BETWEEN PIPE SUPPORTS (FOR ALL FIRE WATER PIPEWORK) SHALL NOT EXCEED THE FOLLOWING PIPEWORK SPANS FOR THE PIPE SIZES ACCORDING TO NFPA 13 SECTION 9.2:
SIZE DN & SPAN m (MAXIMUM DISTANCE).
- DN32 - 3.66m
DN50 - 4.57m
DN100 - 4.57m
DN150 - 4.57m
DN200 - 4.57m

Disclaimer:

Acceptance or rejection of this TQ is only related with technical aspects.

If Cost or Schedule Impact are associated with this TQ, it must be discussed separately with Jacobs Contract team.

C. Engineering Decision		D. Information		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accept with comments	Reject	Design Change Distribute to: Design Author DA	Cost Impact Distribute to: Contracts, Proj. Controls & Construction Manager	Schedule Impact Distribute to: Proj. Controls & Construction Manager

REVIEWER		APPROVER		CONSTRUCTION MANAGER	
Field Engineer OR Lead Engineer		Lead Engineer OR Chief of Engineering		(If Cost and/or Schedule Impact)	
Date: (dd/mm/yyyy)		Date: (dd/mm/yyyy)		Date: (dd/mm/yyyy)	





