

SYDNEY METRO SYDENHAM STATION UPGRADE WORKS

**Weldlok drainage solutions
supporting Sydney Metro.**

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| Project: | Sydney Metro |
| Location: | Sydenham, NSW |
| Year: | 2020 |
| Client: | John Holland – Laing O’Rourke JV (JHLOJV) |
| Asset Owner: | NSW Government - Sydney Metro |
| Products: | 1000lm of custom design non-standard size trench grate & frame with class D design loads. |

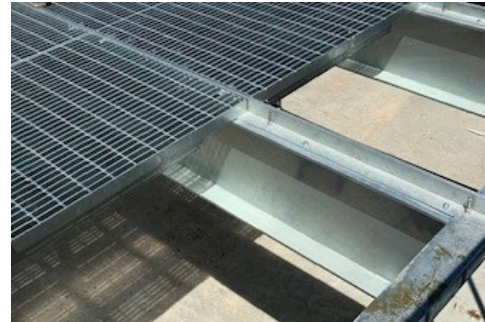
Project Overview

Sydney Metro is Australia's biggest public transport project, with 31 stations and 66km of new rail systems to be in place by 2024. The Sydenham station connects the City and Southwest, with the station upgrade a critical milestone in the ongoing project.

Weldlok®

Challenge

In early Q2 2020 Weldlok was approached by client John Holland – Laing O’Rourke JV (JHLOJV) regarding the urgent supply of 1000lm drainage products for the Sydney Metro station in Sydenham, NSW. The appointed supplier for trench grates and frames could not meet requirements on design loading and delivery timing. Weldlok was engaged to deliver a compliant, load-designed product in a rapid timeframe as timing for delivery dates was crucial as the project was now behind schedule.



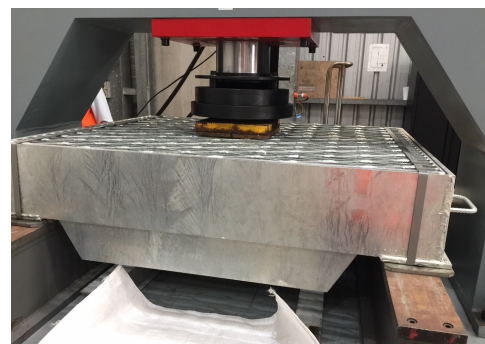
Custom Grate and Frame designed and manufactured to Sydney Metro specifications.

In accepting the opportunity, Weldlok was required to meet critical timelines that were significantly reduced from standard production lead times.

Solution

Local manufacturing and load testing capabilities enabled Weldlok to design, engineer, manufacture and test the special-size trench grate and frame with class D design loads in-house at speed.

On approval from John Holland – Laing O’Rourke JV (JHLOJV), locally manufactured volumes commenced providing timely deliveries to enable production whilst awaiting imported deliveries from NEPEAN's international sites.



An image of the NEPEAN Building & Infrastructure NATA accredited facility used to test Weldlok Civil products.



Result

Weldlok delivered on schedule across four containers commencing August 2020 and concluding December 2020. The full 1000 L Mtrs of the special size trench grate and frame with class D design loads was delivered on time with no complaints or failures on the product or delivery schedule. Weldlok provided project management and delivery visibility throughout the process which enabled the construction to continue through each stage of the delivery.

Client Feedback

Delivering successful outcomes for this stage of Sydney Metro provided project partners with a high degree of confidence resulting in Weldlok being awarded the next stage at Marrickville Metro.



Artist Impression of Sydenham Station (Credit: NSW Government - Sydney Metro)



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