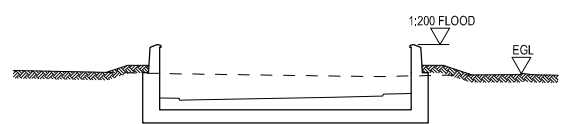
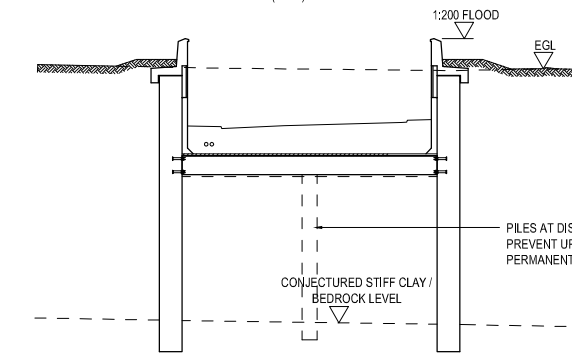


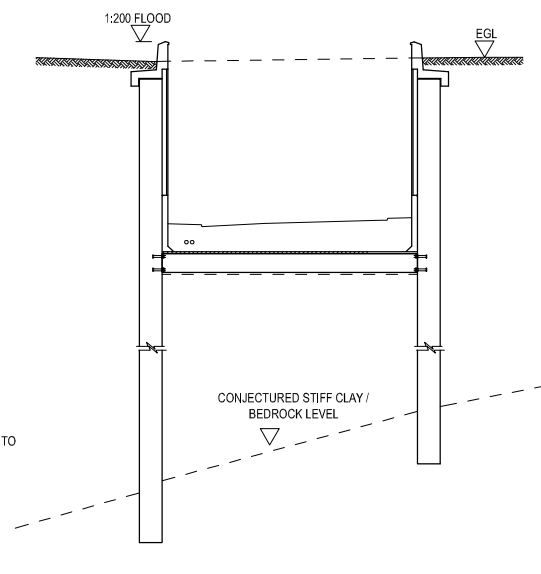
SECTION 1-1
(1:500)



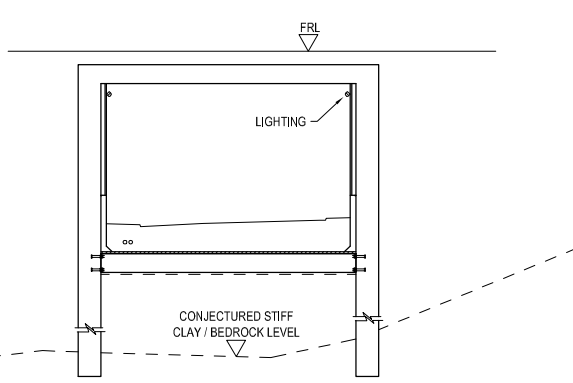
SECTION 2-2
(0-2.5m RETAINED HEIGHT)
(1:200)



SECTION 3-3
(2.5-6.3m RETAINED HEIGHT)
(1:200)

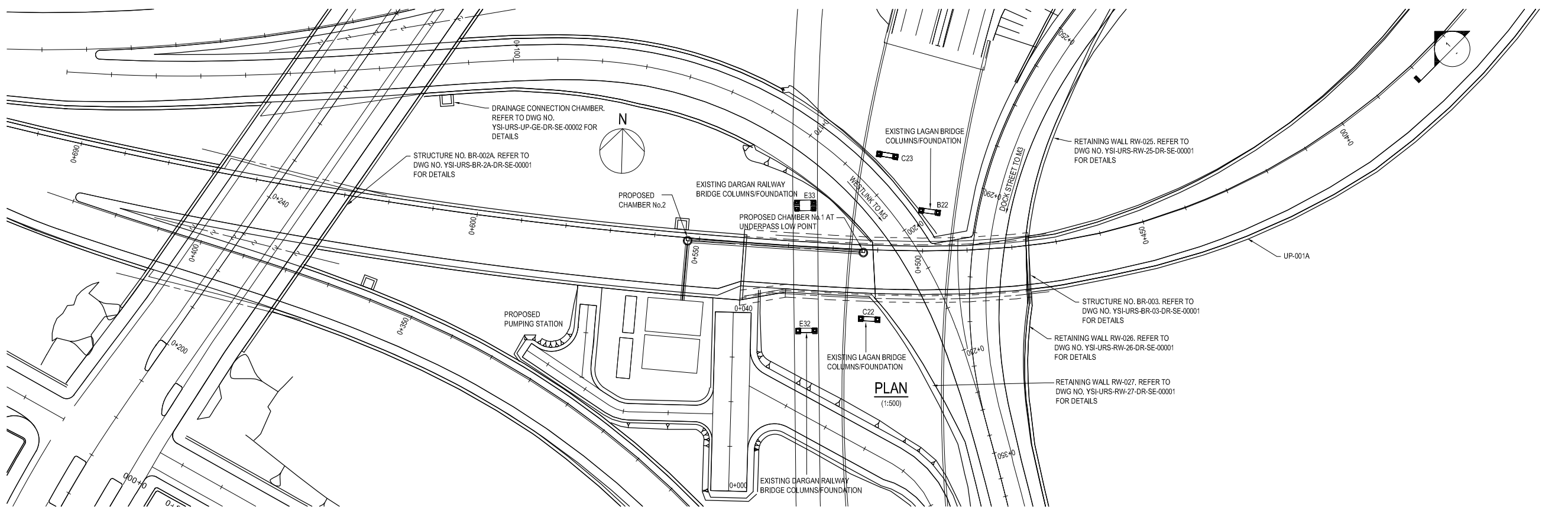


SECTION 4-4
(6.3m+ RETAINED HEIGHT)
(1:200)



SECTION 5-5
(1:200)

- SUGGESTED UNDERPASS CONSTRUCTION SEQUENCE**
- 1) TAKE MEASURES TO PREVENT DAMAGE TO EXISTING FOUNDATIONS OF DARGAN AND LAGAN BRIDGES. MEASURES TO BE APPROVED BY THE DESIGNER.
 - 2) FORM DIAPHRAGM WALLS OF UNDERPASSES, USING LOW HEAD ROOM PLANT WHERE REQUIRED. DUE TO LOW CLEARANCE TO EXISTING BRIDGES ABOVE. COUPLERS TO BE INCLUDED IN DIAPHRAGM WALLS AT LEVEL OF PROPPING SLAB.
 - 3) FORM DISCRETE PILES FOR PROPPING SLAB, AS REQUIRED.
 - 4) EXCAVATE BETWEEN DIAPHRAGM WALLS TO TEMPORARY PROPPING LEVEL.
 - 5) INSTALL TEMPORARY PROPS.
 - 6) REPEAT ITEMS 4 & 5 AS NECESSARY.
 - 7) EXCAVATE BELOW PROPS TO ALLOW FORMATION OF PERMANENT PROPPING SLAB.
 - 8) CONSTRUCT PERMANENT PROPPING SLAB USING COUPLERS TO FORM AN INTEGRAL CONNECTION WITH DIAPHRAGM WALLS.
 - 9) REMOVE TEMPORARY PROPS.
 - 10) CONSTRUCT FINISHES.



PLAN
(1:500)

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

IT IS ASSUMED THAT ALL WORKS ON THIS DRAWING WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROPRIATE METHOD STATEMENT.

THIS DRAWING IS TO BE USED ONLY FOR THE PURPOSE OF ISSUE THAT IT WAS ISSUED FOR AND IS SUBJECT TO AMENDMENT.

NOTES

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3. ALL DIMENSIONS IN MILLIMETRES. ALL CHANGES, LEVELS AND COORDINATES ARE IN METRES UNLESS DEFINED OTHERWISE.
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE PROJECT HEALTH & SAFETY FILE FOR ANY IDENTIFIED POTENTIAL RISKS.
5. ALL EXPOSED ARRESSES TO HAVE 25/25 CHAMFERS UNLESS NOTED OTHERWISE. DETAILS ARE REFERENCED THUS:

Detail reference
Drawing number
Blank if shown on this drawing.

7. TOP OF RETAINING WALLS & DIAPHRAGM WALLS BASED ON 1:200 YEAR FLOOD LEVEL OF +3.2m AOD + 0.7m FREEBOARD.
8. 1:200 FLOOD LEVEL INDICATED ON DRAWING INCLUDES FREEBOARD ALLOWANCE.

NOTE:

- PATTERNED PROFILED FINISH OR SIMILAR TO BE PROVIDED TO VISIBLE FACES OF UNDERPASS WALLS.

Revision	By	Check	Date	Stn/No
GENERAL REVISIONS	SF	GMcF	24.11.14	P2
GENERAL REVISIONS	DSH	GMcF	11.07.14	P1

Purpose of Issue: **PRELIMINARY**

Client: **ROADS Service**

Project Title: **YORK STREET INTERCHANGE**

Drawing Title: **UNDERPASS UP-001A GENERAL ARRANGEMENT**

Designed	Drawn	Checked	Approved	Date
GMcF	JMcC	GMcF	GMcF	JAN '14

URS Internal Project No. 47038727

Scale @ A1: AS SHOWN

Zone: _____

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Drawing Number: **YSI-URS-UP-1A-DR-SE-00001** Rev: **P2**

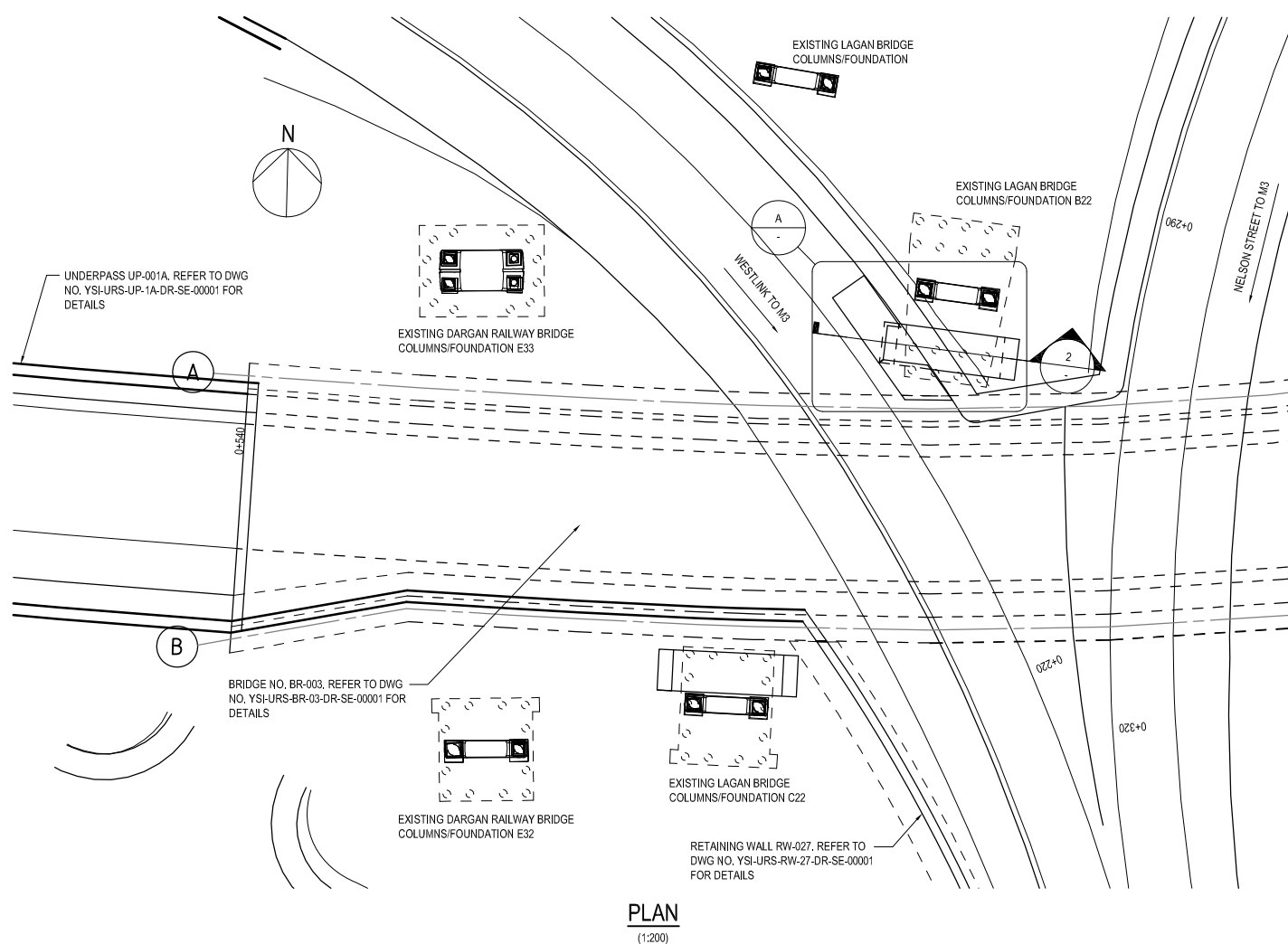
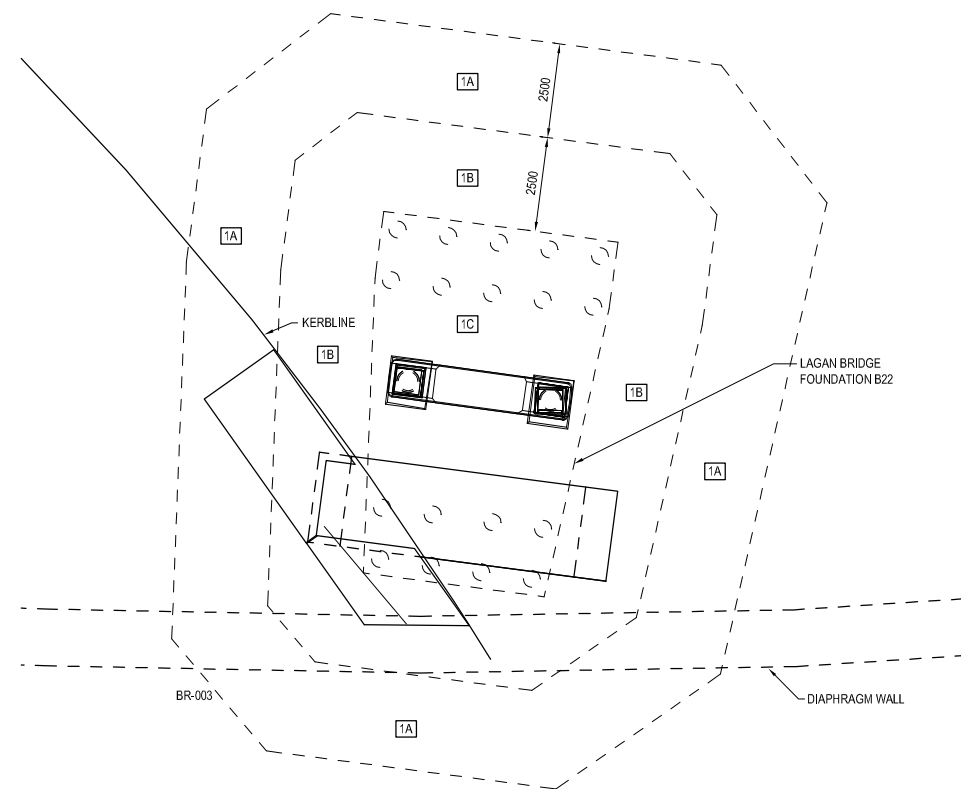
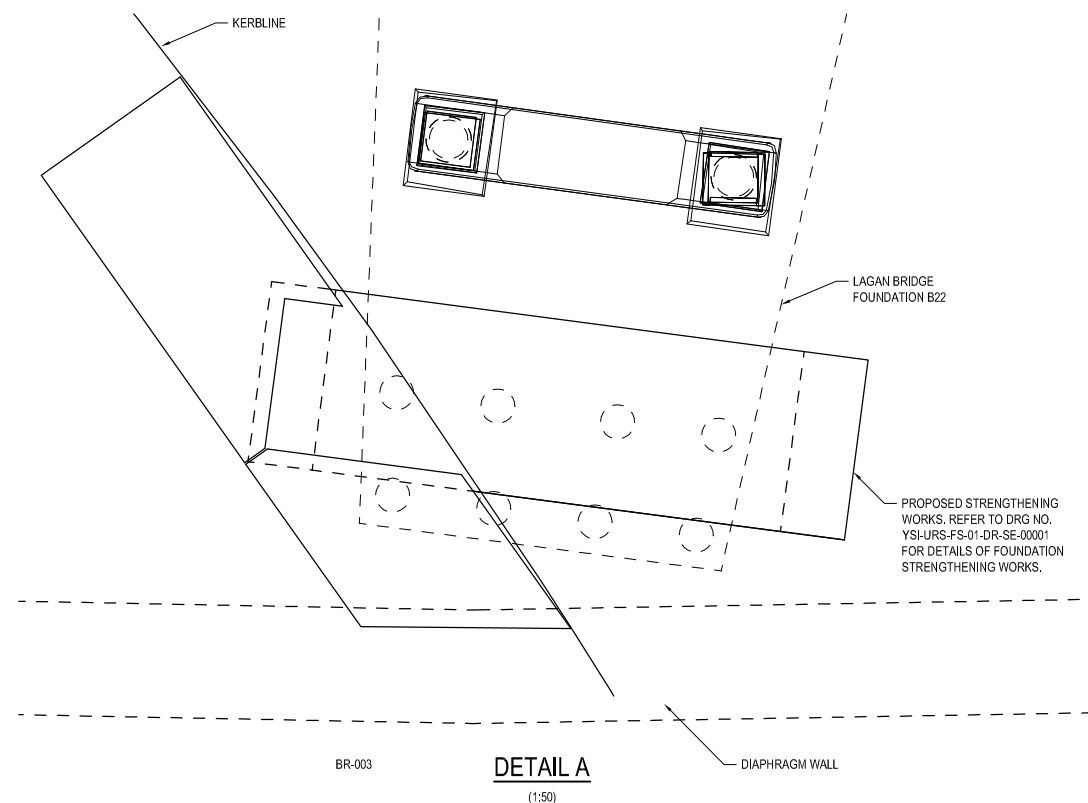
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- SUGGESTED CONSTRUCTION SEQUENCE**
- 1) INSTALL GROUND IMPROVEMENT WORKS. SEQUENCE :1A, 1B, 1C
 - 2) GROUND IMPROVEMENTS TO BE INSTALLED CONCENTRICALLY TO ENSURE COHERENCE OF IMPROVEMENT WORKS AROUND EXISTING PILES.
 - 3) INSTALL PROPOSED STRENGTHENING WORKS TO EXISTING FOUNDATIONS.
 - 4) INSTALL ADJACENT DIAPHRAGM WALL. DIAPHRAGM WALL PANEL LENGTHS TO BE SIZED TO MINIMISE DISTURBANCE TO SURROUNDING SOIL.

Revision Details	By	Date	Stipk

Purpose of Issue: **PRELIMINARY**



Project Title: **YORK STREET INTERCHANGE**

Drawing Title: **UNDERPASS UP-001A PROPOSED GROUND IMPROVEMENT WORKS ADJACENT TO LAGAN BRIDGE**

Designed	Drawn	Checked	Approved	Date
TH	DSH	DPB	DPB	FEB 2014

URS Internal Project No. Subtitle

Scale @ A1 Zone

AS SHOWN

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Drawing Number: **YSI-URS-UP-1A-DR-SE-00003** Rev