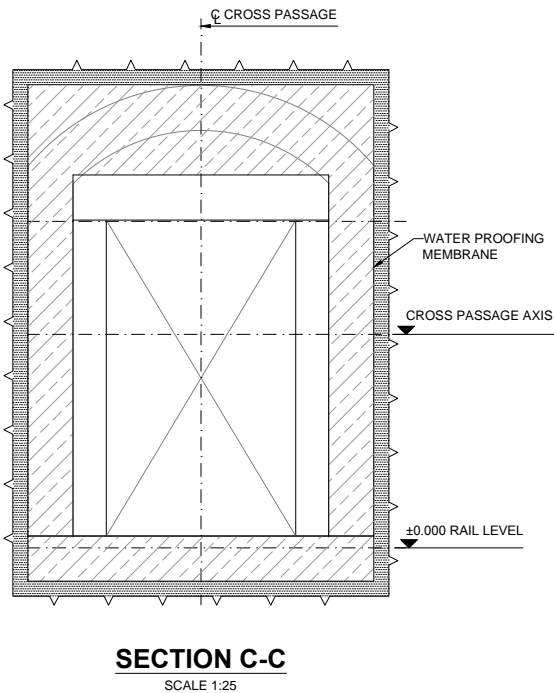
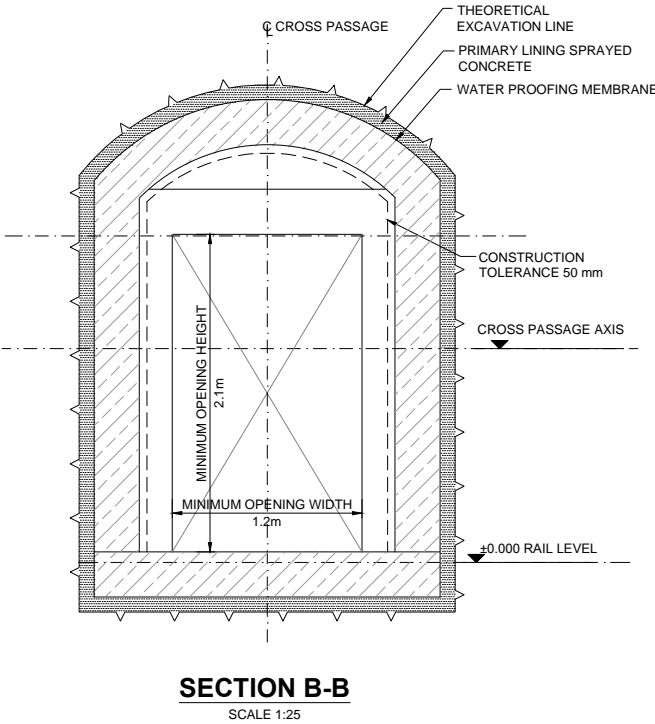
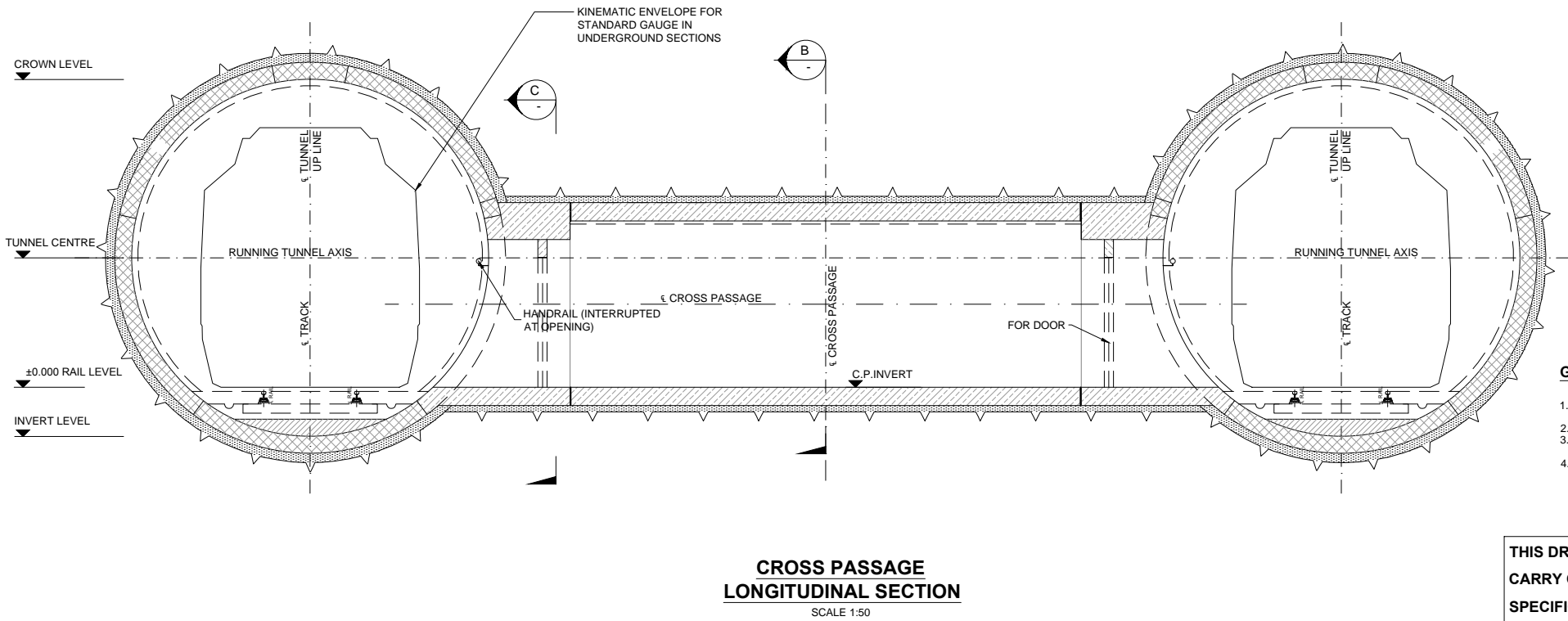
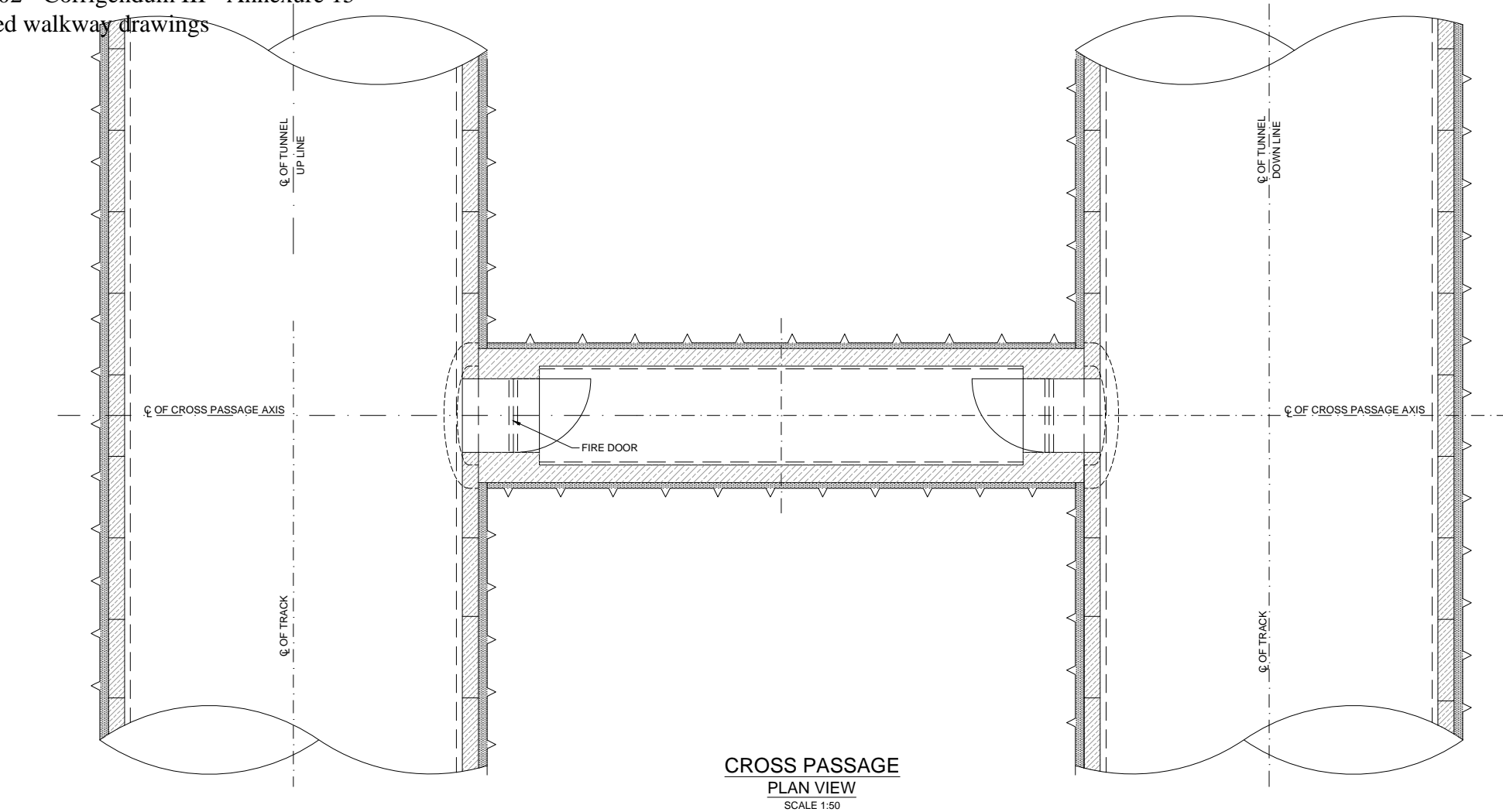


Annexure - 15

UGC-02 - Corrigendum III - Annexure 15
Revised walkway drawings



GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS IN METERS UNLESS OTHERWISE STATED.
2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
3. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE BEFORE EXECUTION OF WORK AT SITE.
4. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING, FIRE FIGHTING, ELECTRICAL & TRAFFIC MANAGEMENT DRAWINGS.

NOTES:

1. ALL DIMENSIONS ARE INDICATIVE & FOR REFERENCE ONLY.
2. THIS DRAWING IS INDICATIVE, HOWEVER PROVISION FOR THE SPACE FOR PUMPS, PIPES AND OTHER PLUMBING EQUIPMENTS IS TO BE MADE BY THE CONTRACTOR. FOR DETAILS OF CROSS PASSAGE OPENINGS / NUMBERS ETC. SEE SPECIFICATION.
3. FOR DETAILS OF PIPE OPENINGS AND CABLE CONDUITS SHALL BE AS PER DETAIL DESIGN.
4. STEEL LINER SHALL BE AS PER DETAIL DESIGN.
5. FOR CROSS PASSAGE LOCATION & SETTING OUT REFER SPECIFICATIONS.
6. DIMENSIONS SHOWN ARE CLEAR OPENINGS. STRUCTURAL OPENING TO ALLOW FOR FRAME+TOLERANCES.

THIS DRAWING IS INDICATIVE ONLY. THE CONTRACTOR SHALL CARRY OUT STRUCTURAL DESIGNS AS PER OUTLINE DESIGN SPECIFICATIONS.

TENDER DRAWING

SYSTRA, AECOM, EGIS, RITES.

INTERIM CONSULTANCY SERVICES
FOR PUNE METRO LINE 1
PIMPRI-CHINCHWAD TO SWARGATE

REV.	DATE	PREP.	APPROVED	DESCRIPTION	APPROVED BY	NAME	SIGN
1	20.06.18	AS	AC	TENDER ADDENDUM DRAWING	CHECKED BY	DB	
0	15.01.18	DB	AC	TENDER DRAWING	APPROVED BY	EM	
						VB	
						AC	

PROJECT:	PUNE METRO LINE 1 PIMPRI-CHINCHWAD TO SWARGATE
TITLES	GENERAL ARRANGEMENT DRAWING
DRAWING NO	PML1-IC-RT-CP-0051- R1

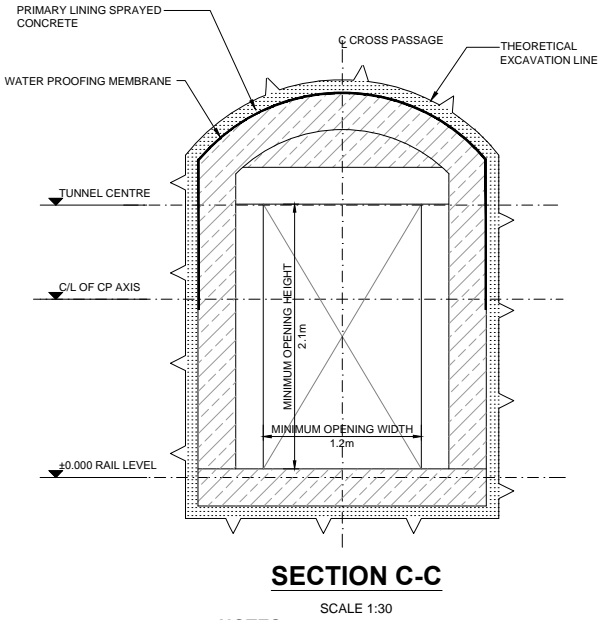
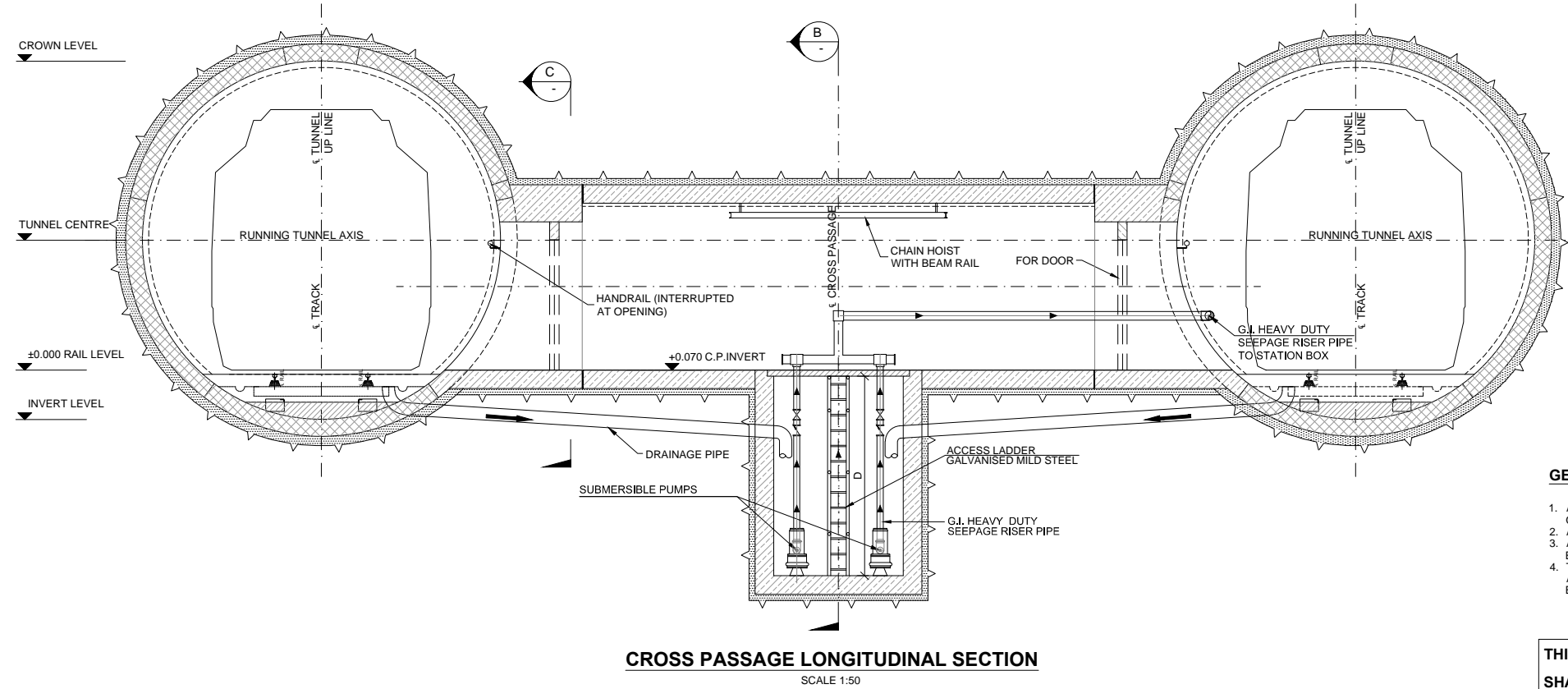
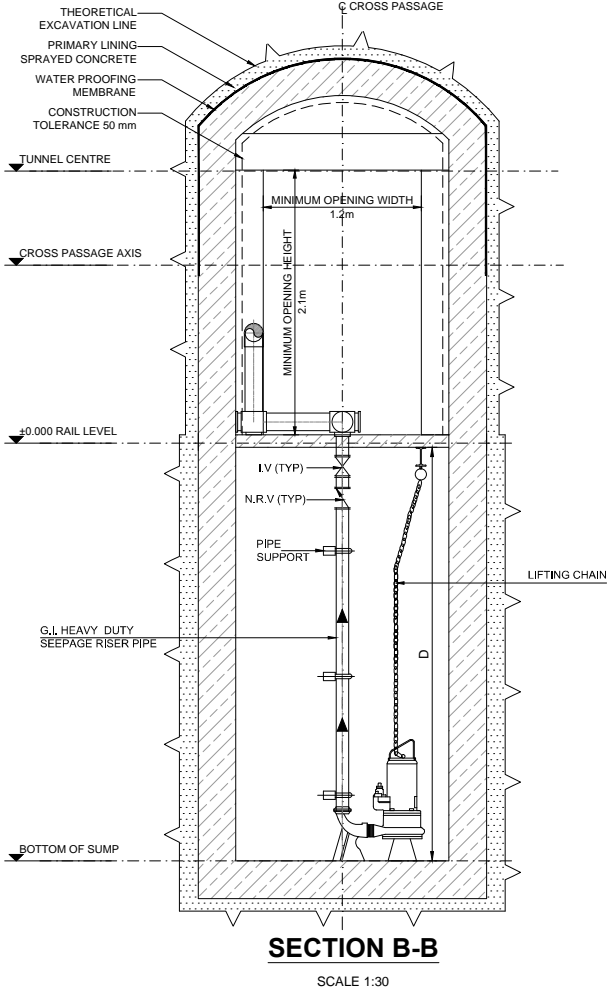
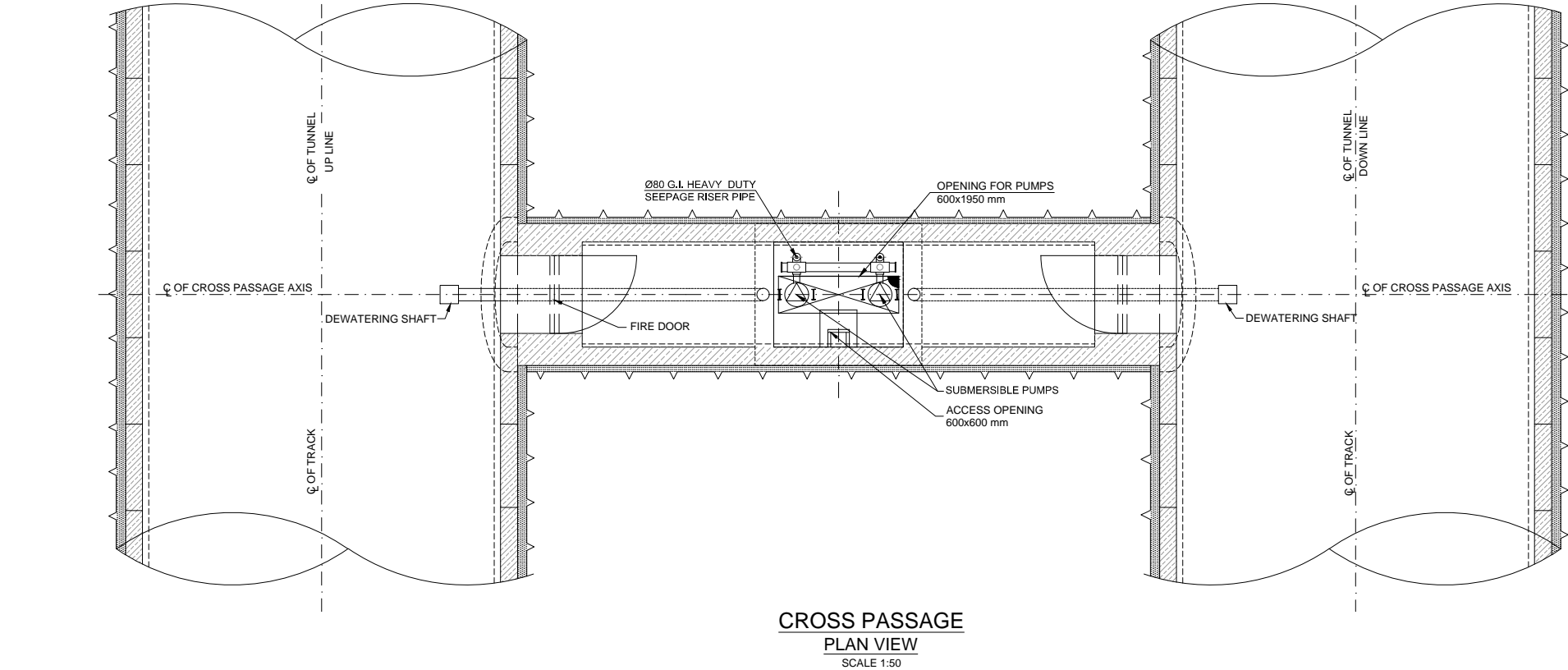
TUNNELS	CROSS PASSAGE
DRAWING TITLE	CP WITHOUT SUMP
DATE	15/01/2018
SCALE (A1)	SCALE



MAHARASHTRA METRO
RAIL CORP . LTD.
PUNE METRO

UGC-02 - Corrigendum III - Annexure 15

Revised walkway drawings



GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS IN METERS UNLESS OTHERWISE STATED.
2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
3. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE BEFORE EXECUTION OF WORK AT SITE.
4. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING, FIRE FIGHTING, ELECTRICAL & TRAFFIC MANAGEMENT DRAWINGS.

THIS DRAWING IS INDICATIVE ONLY. THE CONTRACTOR SHALL CARRY OUT STRUCTURAL DESIGNS AS PER OUTLINE DESIGN SPECIFICATIONS.

NOTES:

1. ALL DIMENSIONS ARE INDICATIVE & FOR REFERENCE ONLY.
2. THIS DRAWING IS INDICATIVE, HOWEVER PROVISION FOR THE SPACE FOR PUMPS, PIPES AND OTHER PLUMBING EQUIPMENTS IS TO BE MADE BY THE CONTRACTOR. FOR DETAILS OF CROSS PASSAGE OPENINGS / NUMBERS ETC. SEE SPECIFICATION.
3. DETAILS OF PIPE OPENINGS AND CABLE CONDUITS SHALL BE AS PER DETAIL DESIGN.
4. STEEL LINER SHALL BE AS PER DETAIL DESIGN.
5. FOR CROSS PASSAGE LOCATION & SETTING OUT REFER SPECIFICATIONS.
6. DIMENSIONS SHOWN ARE CLEAR OPENINGS. STRUCTURAL OPENING TO ALLOW FOR FRAME+TOLERANCES.

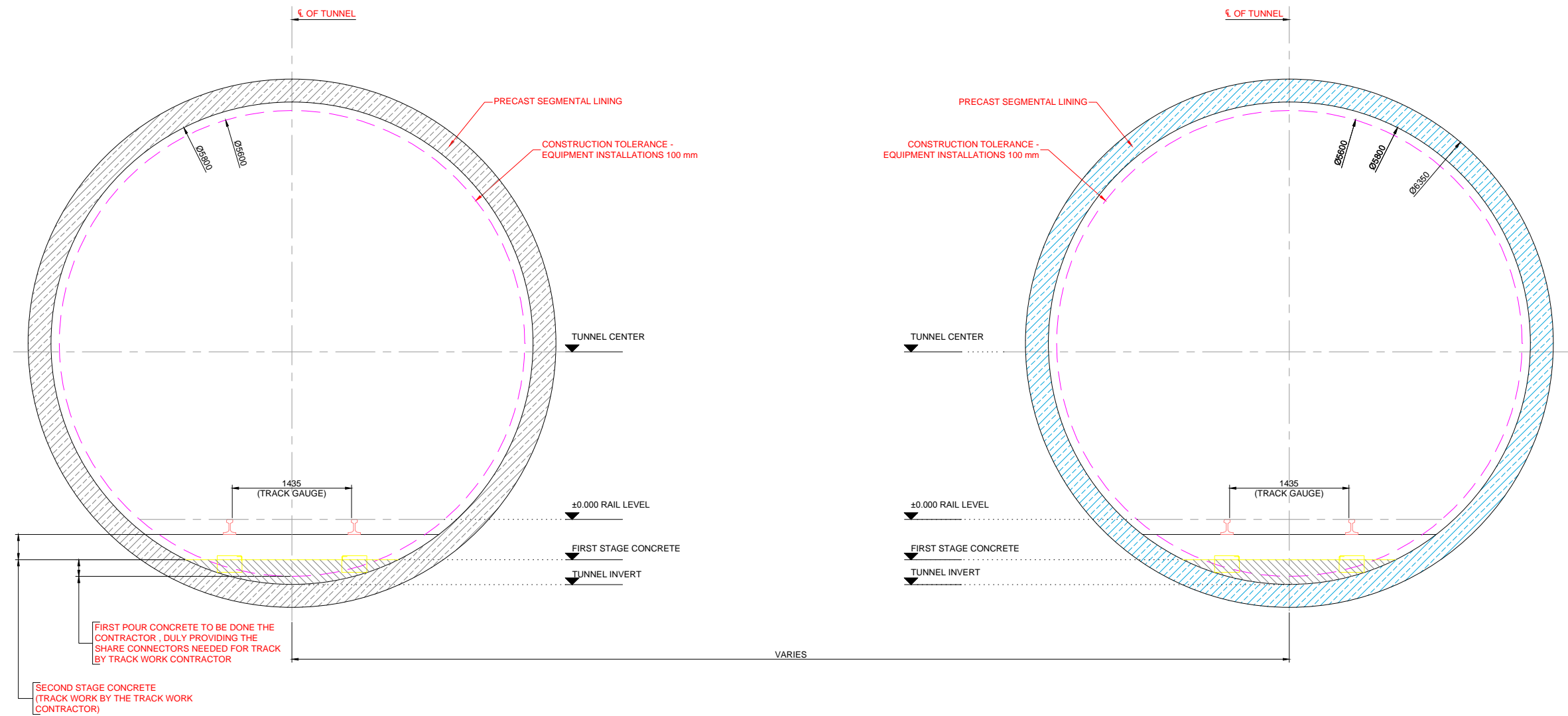
TENDER DRAWING

SYSTRA, AECOM, EGIS, RITES.						NAME	SIGN	PROJECT:	TUNNELS	DATE
INTERIM CONSULTANCY SERVICES FOR PUNE METRO LINE 1 PIMPRI-CHINCHWAD TO SWARGATE						DRAWN BY	DB	PUNE METRO LINE 1 PIMPRI-CHINCHWAD TO SWARGATE	CROSS PASSAGE	15/01/2018
						DESIGN BY	EM	TITLE GENERAL ARRANGEMENT DRAWING	DRAWING TITLE CROSS PASSAGE WITH SUMP	SCALE (A1) SCALE
				1	20.06.18	AS	AC			
				0	15.01.18	DB	AC			
				REV.	DATE	PREP.	APPROVED	DESCRIPTION	APPROVED BY	AC
									DRAWING NO	PML1-IC-RT-CP-0052 - R1



MAHARASHTRA METRO
RAIL CORP . LTD.
PUNE METRO


BORED TWIN TUNNELS



NOTES:-

1. ALL DIMENSIONS ARE IN MM AND LEVEL IN METERS UNLESS OTHERWISE STATED.
2. ALL DIMENSIONS ARE TO BE READ FROM FIGURE AND NOT TO BE MEASURED.
3. THE SECTION SHOWN IN THE FIGURE IS INDICATIVE AND CONTRACTOR SHALL ENSURE COMPLIANCE TO ALL CONTRACTS PROVISION.
4. THE FINISHED BORED TUNNEL FOR SINGLE TRACK AFTER ACCOUNTING ALL AS-BUILT TOLERANCE (ALL SHAPE, ROLL, SURVEY, SETTING OUT, POSITIONAL, DEFORMATION, RELATED TO RING BUILDING, RELATED TO TBM FUNCTIONAL, AND CASTING TOLERANCE/ERRORS ETC.) SHALL BE OF A MINIMUM 5600 mm INTERNAL DIAMETER WITH RESPECT TO THE DESIGNED/THEORETICAL LONGITUDINAL AXIS OF THE TUNNEL (THEORETICAL/DESIGNED CENTER OF TUNNEL). THIS MEANS THAT AT NO POINT OF INTERNAL CIRCUMFERENCE OF THE AS-BUILD TUNNEL, THE DISTANCE BETWEEN THE DESIGNED/THEORETICAL LONGITUDINAL AXIS OF THE TUNNEL AND INTERNAL CIRCUMFERENCE OF THE AS-BUILD TUNNEL SHALL BE LESS THEN 2800mm.
5. THE LOCAL AS-BUILD TOLERANCE (AS REFEREED TO NOTE NO.4 ABOVE) OF 100 mm SHOWN ARE INDICATIVE ONLY AND ACHIEVING THE REQUIRED FINAL TUNNEL SIZE IS THE RESPONSIBILITY OF THE CONTRACTOR.
6. THE FIRST CONCRETE ALONG WITH SHEAR CONNECTOR NEEDED FOR TRACK LAYING SHALL BE PROVIDED BY THE CONTRACTOR, THE SECOND POUR/STAGE CONCRETE ALONG WITH TRACK LAYING WILL BE DONE BY THE TRACK WORK CONTRACTOR.
7. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FITTING, ELECTRICAL ETC. DRAWING AND CONTRACT PROVISION.
8. THIS FIGURE DOESN'T SHOW DETAIL/PROVISION OF UNTIES/SERVICES, ;PROVISIONS FOR WHICH SHALL BE MADE BY THE CONTRACTOR AS PER CONTRACT PROVISION DULY INTERFACE WITH THE INTERFACING CONTRACTORS OF THE PROJECT
9. THE CONTRACTOR SHALL ALSO ENSURE THAT THE FINISHED TUNNEL PROFILE COMPLIES WITH ALL THE PROVISION OF THE APPROVED SCHEDULE OF DIMENSION (SOD) OF THE PROJECT.
10. THE SECOND STAGE CONCRETE ALONG WITH THE TRACK LAYING (FROM RAIL LEVEL TO TOP OF FIRST POUR CONCRETE) SHALL BE DONE BY THE TRACK WORK CONTRACTOR FOR FINALIZING THE DIMENSION OF FIRST POUR/STAGE & SECOND STAGE CONCRETE DEPENDING UPON TRACK WORK DESIGN.
11. THE DRAWING SHOWS MINIMUM REQUIREMENT FOR EQUIPMENT ANTICIPATED. THE 50-100 MM TOLERANCE SHOWN IN INDICATIVE ONLY. THE FINAL TUNNEL SIZE IS THE RESPONSIBILITY OF THE CONTRACTOR.

TENDER DRAWING

SYSTRA, AECOM, EGIS, RITES.							NAME	SIGN	PROJECT: PUNE METRO LINE 1 PIMPRI-CHINCHWAD TO SWARGATE		TUNNELS RUNNING TUNNEL	DATE 15/01/2018	 MAHARASHTRA METRO RAIL CORP . LTD. PUNE METRO
							DRAWN BY	DB					
							DESIGN BY	EM					
	1	20.06.18	AS	AC	TENDER ADDENDUM DRAWING	CHECKED BY	VB		TITLE GENERAL ARRANGEMENT DRAWING	DRAWING TITLE TWIN BORED TUNNEL-TYPICAL CROSS SECTION	SCALE (A1) 1:30		
	0	15.01.18	DB	AC	TENDER DRAWING								
	REV.	DATE	PREP.	APPROVED	DESCRIPTION	APPROVED BY	AC		DRAWING NO	PML1-IC-RT-CS-0053- R1			
INTERIM CONSULTANCY SERVICES FOR PUNE METRO LINE 1 PIMPRI-CHINCHWAD TO SWARGATE													