



cherenkov
telescope
array

CTA-N Short Project On-site ICT and Power Concept Design – Internal Review

Introduction





Meeting Agenda

14:00 → 14:05 Welcome to the Review 5m

Speaker: David Bristow (CTAO)

14:05 → 15:00 On-site ICT Concept 55m

Speaker: Peter Wegner, R.Lindemann, F.Krack (CTA-PO)

15:00 → 15:30 Requirement specifications for the On-site ICT Networking 30m

Speaker: Carla Crovari (CTA PO)

15:30 → 16:00 Panel Discussion 30m

16:00 → 16:30 Coffee Break 30m

16:30 → 17:20 Requirement specifications for the Power distribution CTA-N Short Project 50m

Speaker: Carla Crovari (CTA PO)

17:20 → 18:00 Panel Discussion

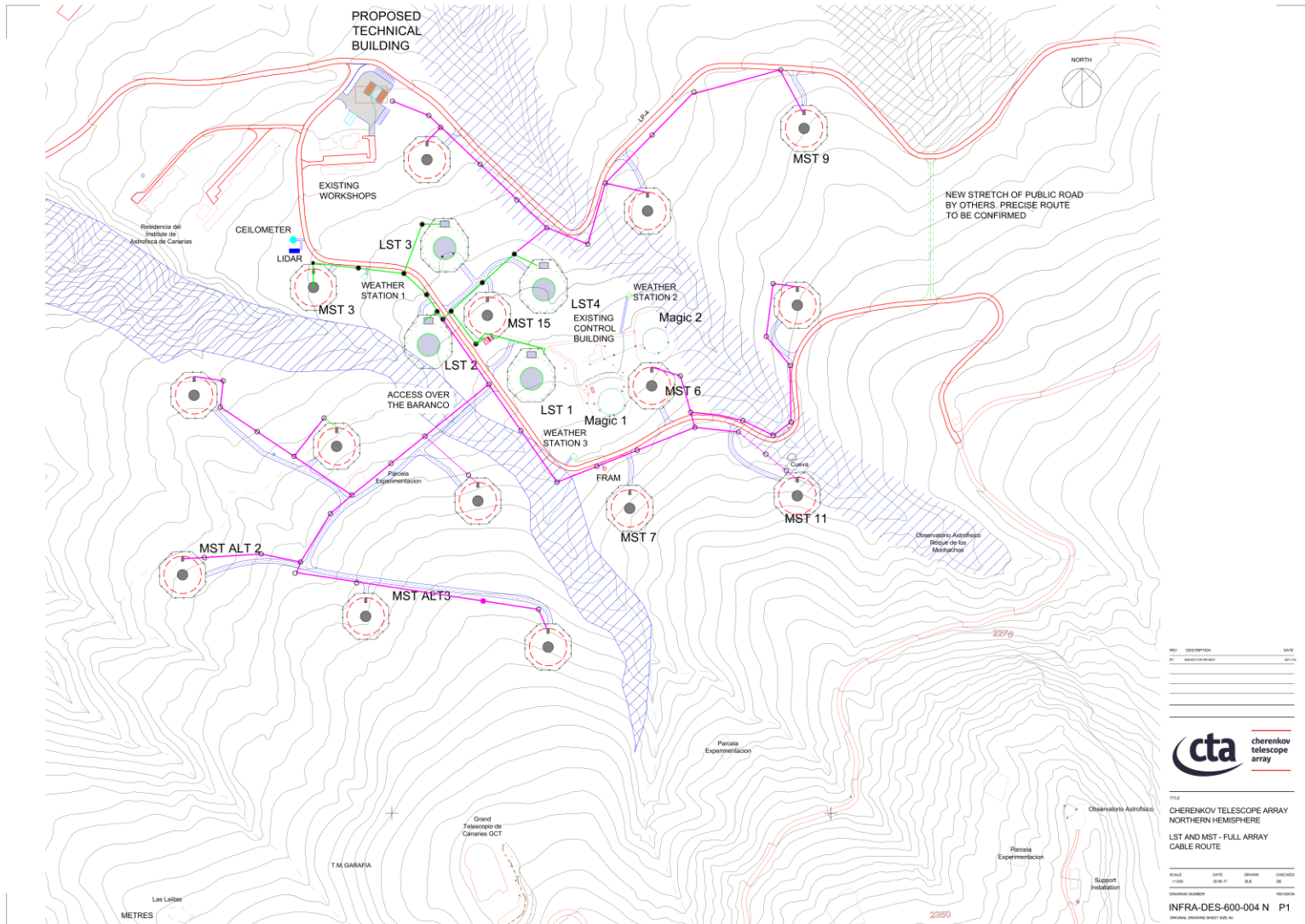
A Short Discussion will follow each presentation.....!



List of Documents

- Documents for discussion and Review attached to the Indico Agenda
 - Review Plan On-site ICT and Power V3
 - Concept Design for CTA On-Site ICT Infrastructure
 - CTA Requirement Specification On-site Networking Infrastructure
 - CTA Requirement Specification On-site Power System
 - Study for Electrical Power Distribution for CTA Northern Array
 - Appendix 1
 - Appendix 2

Appendix 1



REV.	DESCRIPTION	DATE
01	ISSUE FOR PERMIT	02/11

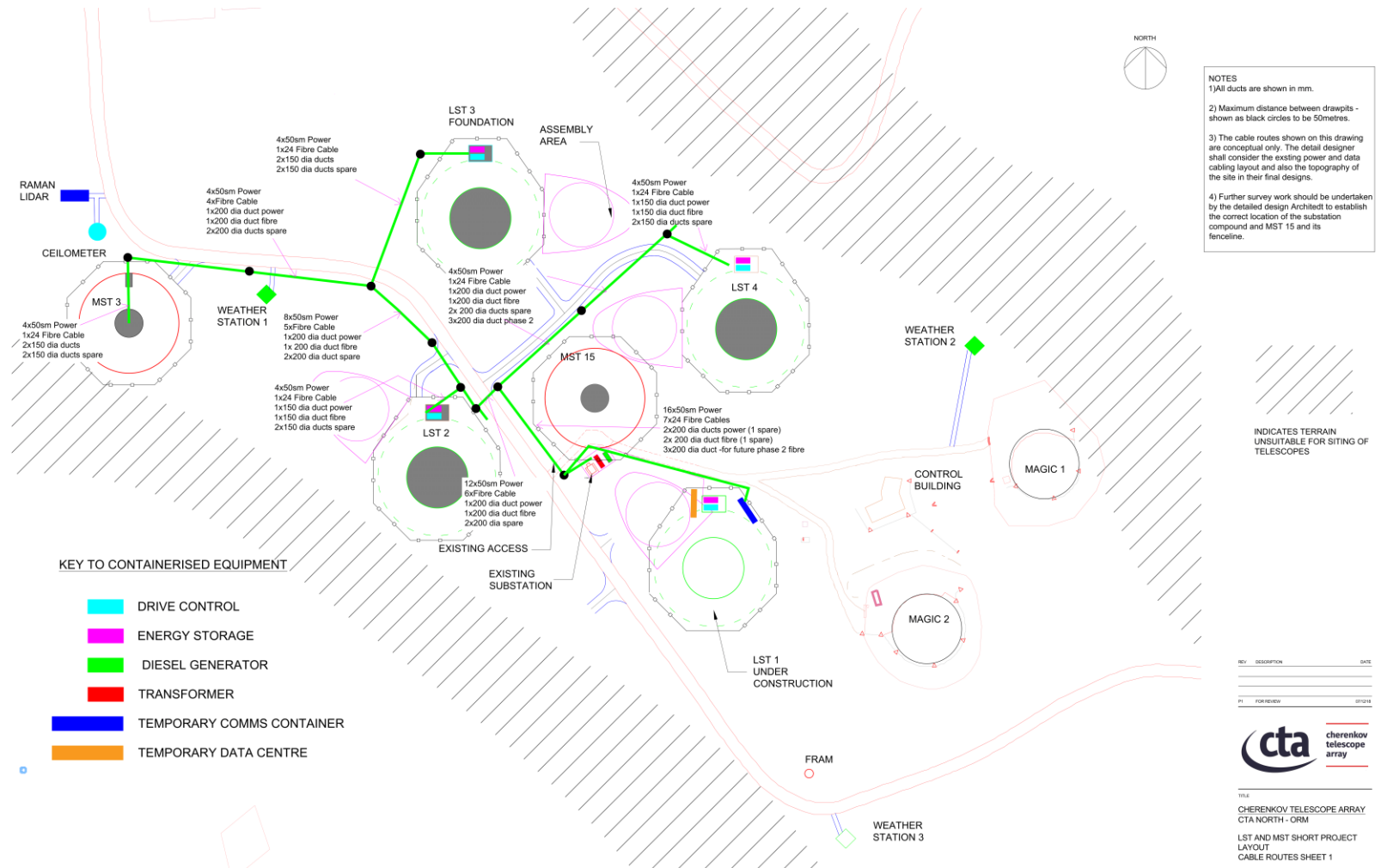
cta cherenkov telescope array

TITLE
CHERENKOV TELESCOPE ARRAY
NORTHERN HEMISPHERE
LST AND MST - FULL ARRAY
CABLE ROUTE

SCALE	DWG.	DRWEN.	CHECKED
1:5000	08/17	N.A.	J.R.

DRAWING NUMBER: **INFRA-DES-600-004 N P1**
 REVISION:
 ORIGINAL DRAWING: DES-600-004

Appendix 2



REV.	DESCRIPTION	DATE
P1	FOR REVIEW	01/01/24

cherenkov telescope array
TITLE
 CHERENKOV TELESCOPE ARRAY
 CTA NORTH - ORM
LST AND MST SHORT PROJECT LAYOUT CABLE ROUTES SHEET 1

SCALE	DATE	DRAWN	CHECKED
1:500	20/11/24	MB	SB

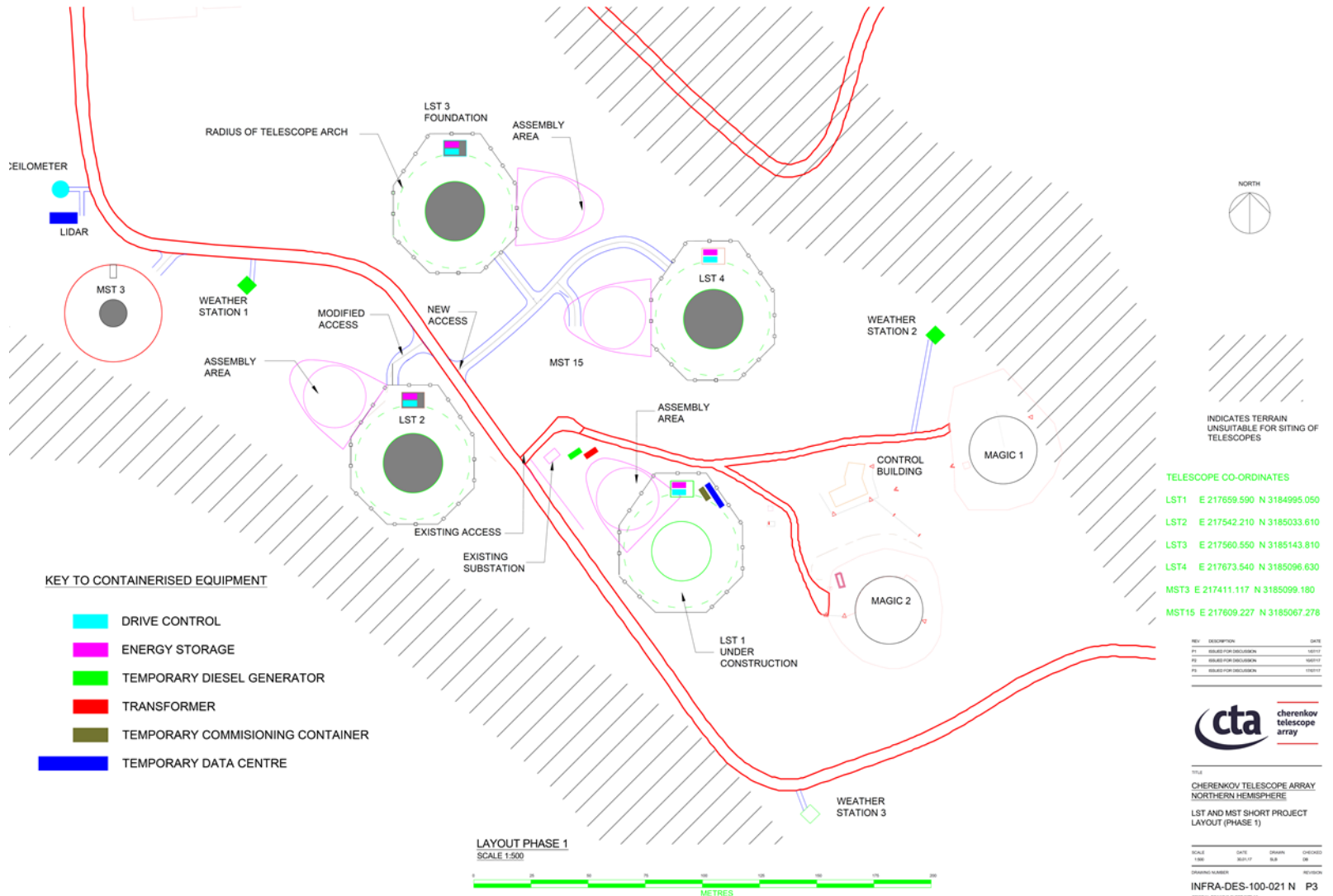
DRAWING NUMBER: INFRA-DES-600-03 N P1
 ORIGINAL DRAWING SHEET SIZE: A0



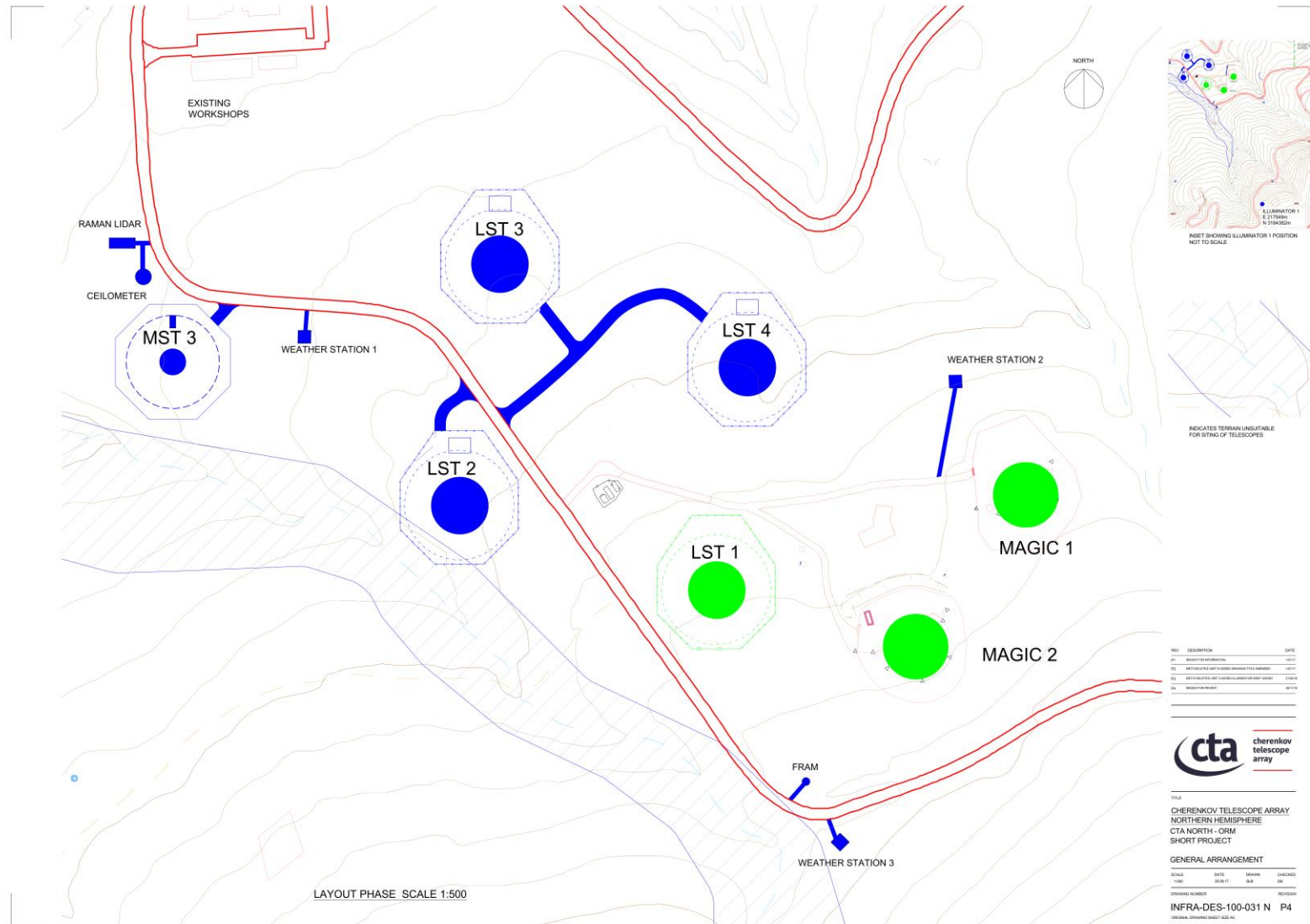
Review Objectives

- Discuss the Short Project Scope of Work and assess if further approvals are required
- Present the documents proposed to be delivered to IAC for the “Short Project”
- System Engineering team, if the Requirements Specifications for Power and On site ICT Networking, are in line with the Sys Eng Requirements
- Discuss identified missing requirements
- Coordinate a path to complete missing information, ie. (decisions, missing requirements)

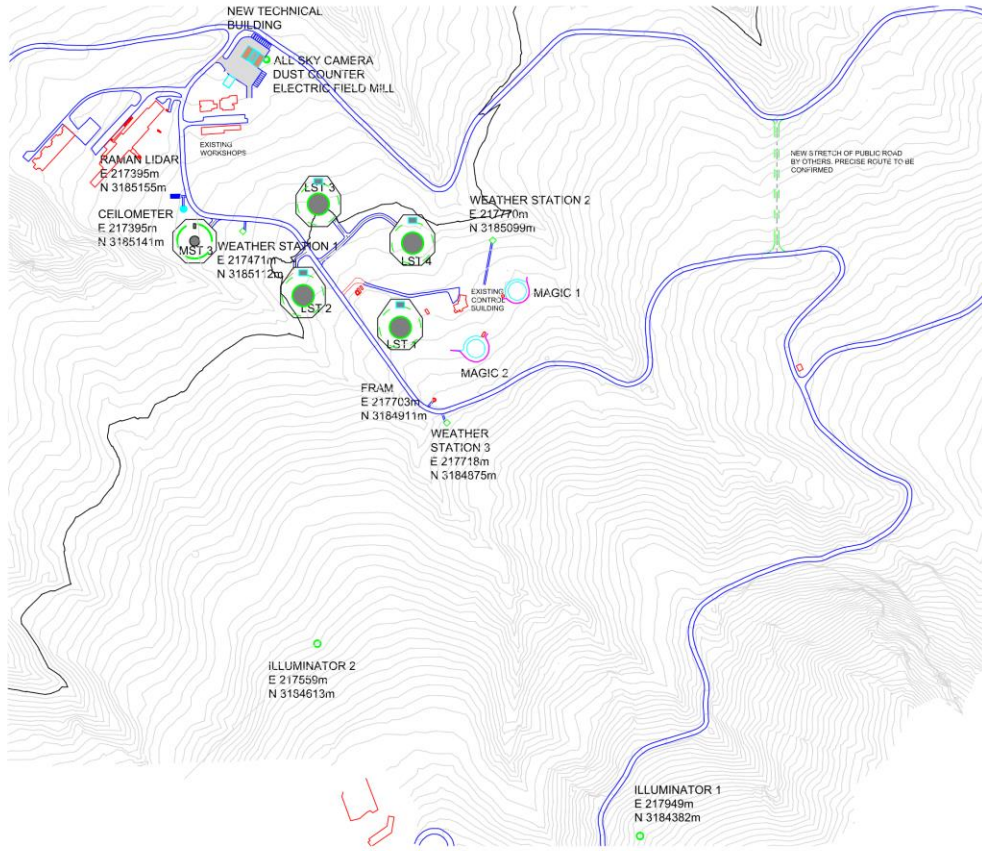
Construction - Phase 1



Short Project - Scope



Array Common Elements



LOCATION OF ACE



The UTM system (Zone 28R) of coordinates to be used for set out and orientation of foundations with the Y axis pointing to the North and the Z corresponding to the vertical co-ordinate increasing with height.

REV	DESCRIPTION	DATE
P1	FOR INFORMATION	05.11.18
P2	WEATHER STATION 2 MOVED 5m N	10.01.19



TITLE
CHERENKOV TELESCOPE ARRAY
CTA N - SHORT PROJECT
CIVIL CONCEPT REVIEW

ACE SITE PLAN

SCALE	DATE	DRAWN	CHECKED
NTS	05.11.18	SLB	-
DRAWING NUMBER	REVISION		
INFRA-DES-100-51-N	P2		

ORIGINAL DRAWING SHEET SIZE A3

The End



Any Questions?

Thank you.