

NATIONAL RADIO ASTRONOMY OBSERVATORY
Green Bank, West Virginia

August 30, 1982

TO: VLBA Group
FROM: B. Brundage, B. Peery (Site Group)
SUBJECT: Telescope Sites

Attached is a conceptual site plan, a conceptual floor plan for the telescope control building, and a proposed site rating sheet.

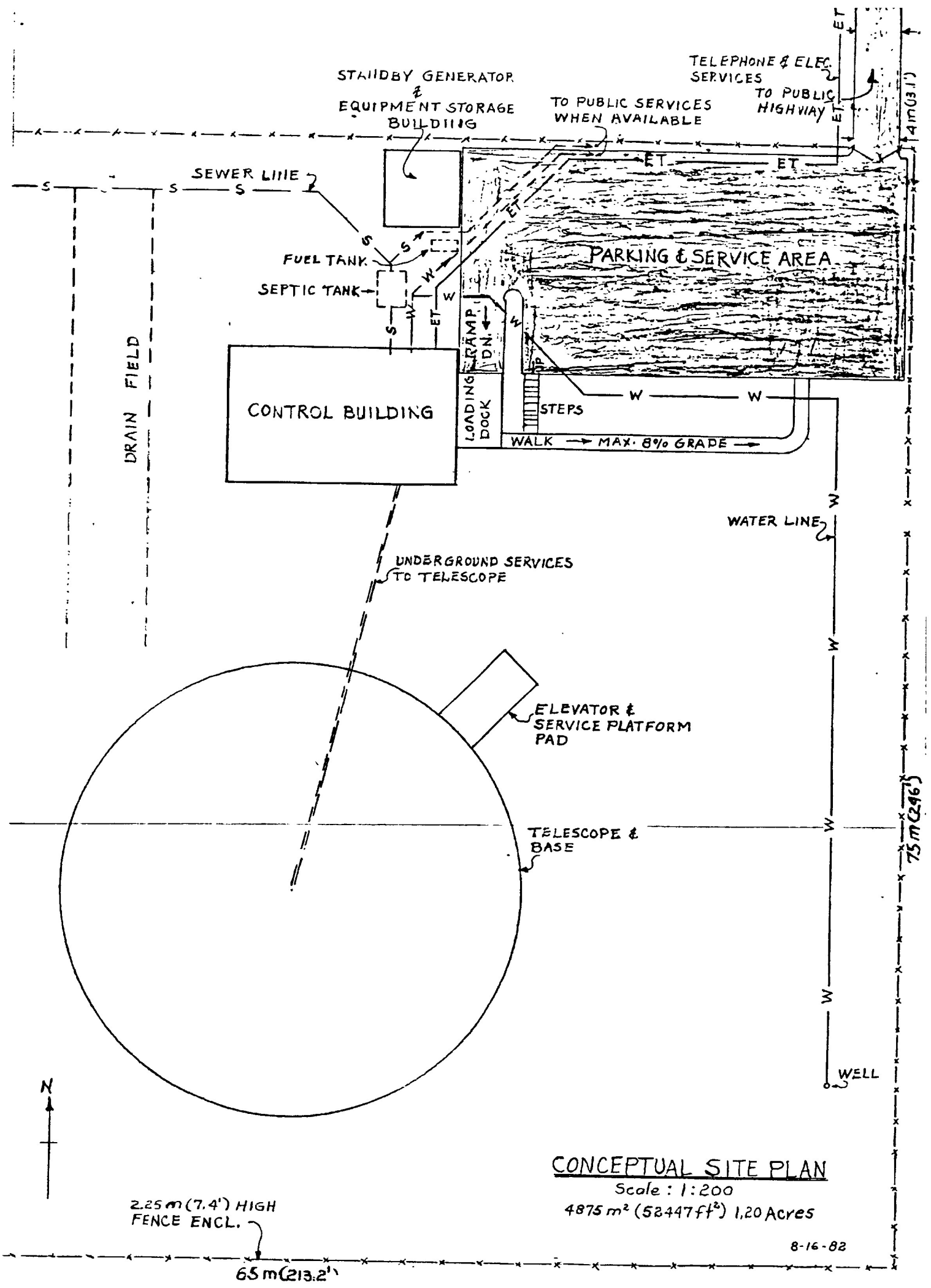
The conceptual plans are for review and comments, and will be updated as more definite requirements are established. Each site will require certain modifications to these plans to adapt to the particular site once the exact location is known.

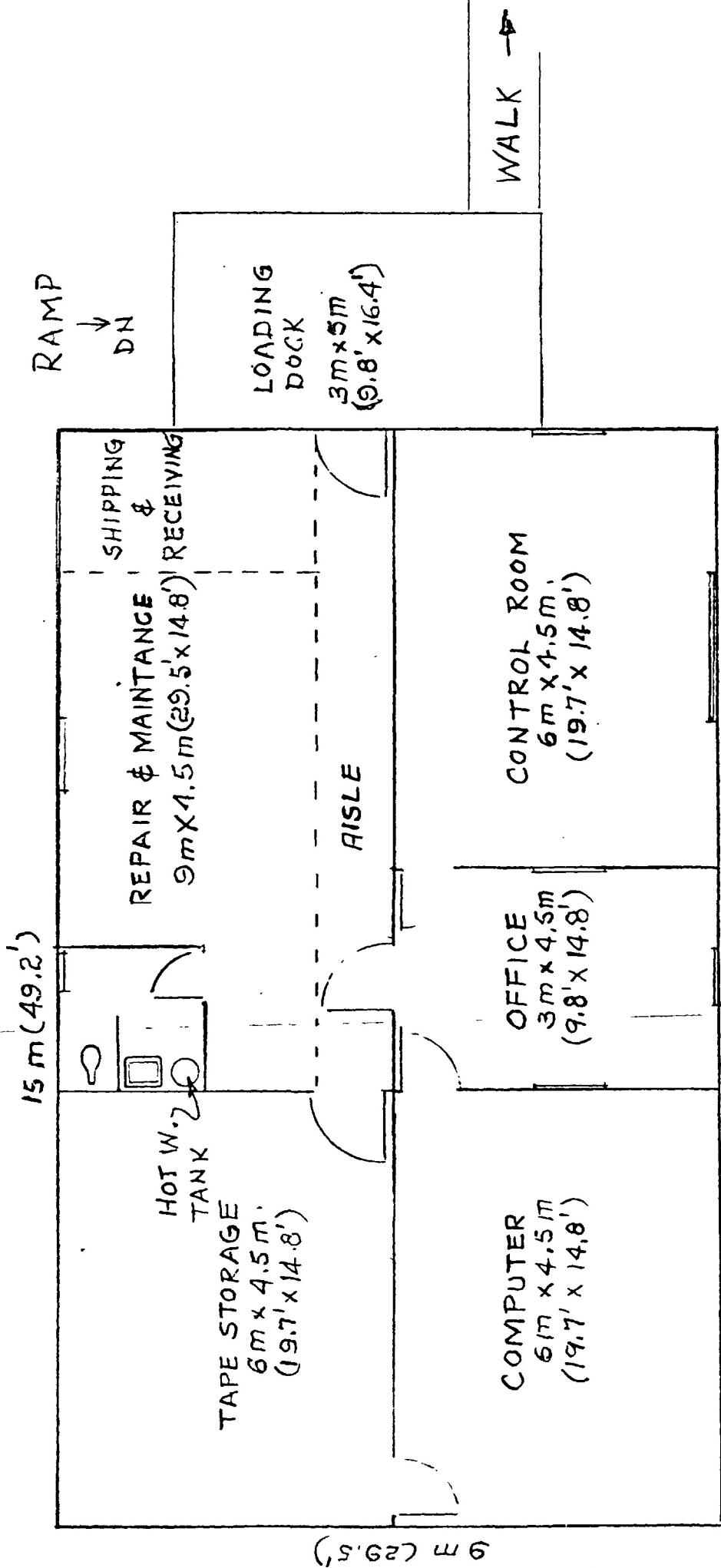
A conceptual floor plan for the Array Operation Center will be developed and distributed for review at a later date.

Please review the site rating sheet and advise if there are other items that should be considered. It will be noted that there are a number of blank spaces in the desired column. If there are parameters that can be inserted in these spaces, please advise. One of these sheets will be completed for each potential site once the general location is established. This is activities 1-2 and 4-5 described in Memo #99.

Until the general site locations have been established, the site group will listen in on the configuraton group meetings. Their meeting schedule will be our meeting schedule.

BP/bbs
Attachments





CONCEPTUAL FLOOR PLAN

CONTROL BUILDING

SCALE: 1:80
135 m² (1451 ft²)

SITE RATING SHEET (Cont.)

Items Considered	Rating Parameters	
	Actual	Desired
Future Development in Area Type Land Use Plan Master Plan Zoning Requirements		None Yes Yes Yes
Central or Major Supply Center Name Distance Service From UPS Truck Others		Yes or Equivalent Yes
RF Interference Radio & TV Stations Freq.-Range Radio Navigation Aids Freq.-Range MicroWave Systems Freq.-Range Industrial & Business Freq.-Range Others Notification- Zone Radius		None
Site Land Size Buy Lease Condition Owner Cost		1.5 acres Yes No Cleared and flat
Site Facilities Control Building Size Functions RFI Shielding Environmental Control		Yes 135 m ² (1451 ft ²) Control, Maintenance, Computer, Storage Yes - RFI Spectrum? 25° C - Continuous - 40% RH

SITE RATING SHEET (Cont.)

Items Considered	Rating Parameters	
	Actual	Desired
Emergency Generator		Yes - 30 KDVA (Drive and cryogenicis)
Microwave Link		No
Equipment		
Crane		No
Elevator (Telescope)		Yes
Snow Plow		Yes
Vehicles		Yes - with snow blade
Storage Building		Yes 24 m ² (258 ft ²)
Fuel storage (Gen.)		Yes - 7 day supply