APPLICATION NO:

TL/2001/4660

LOCATION:
The Bulmershe School Chequers Way, Woodley Reading.

APPLICANT:
Orange Personal Communications Ltd C/O Commpro Telecommunications

PROPOSAL:
Proposed removal of 3 existing cabinets and installation of 10 new equipment cabinets.

EARLIEST DATE FOR DECISION: **14/09/2001**

APPLICATION WILL HAVE EXPIRED ON: 17/09/2001

CASE OFFICER: **Joss Miller**

DO. 20

WOKINGHAM DISTRICT COUNCIL

TOWN AND COUNTRY PLANNING ACTS

APPROVAL OF PRIOR APPROVAL OF TELECOMMUNICATIONS NOTIFICATION

Ms E Robson
Compro Telecommunications
Southern Office
Home Farm
Welford
Newbury
Berkshire
RG20 8HR

Notification No: TL/2001/4660

Parish: Woodley

Proposal: Proposed removal of three existing cabinets and installation of 10 new equipment cabinets.

Location: Bulmershe School, Chequers Way, Woodley.

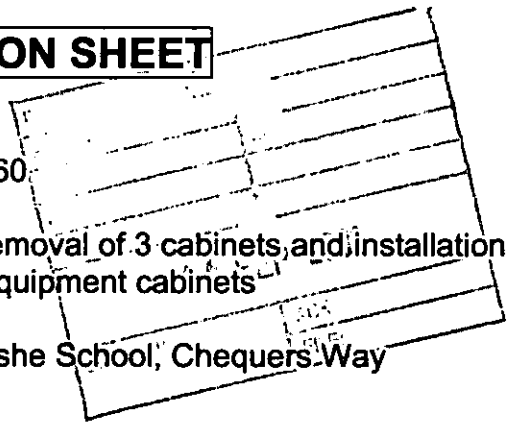
The Wokingham District Council in pursuance of their powers under Part 24 of the Town and Country (General Permitted Development) (Amendment) Order 1998 **APPROVES** prior approval for the above stated telecommunications equipment, the reasons for which are specified hereunder.

Date: 14 September 2001

for . Development Control Manager

Joss Miller

WOODLEY TOWN CONSULTATION SHEET



APPLICATION NUMBER: TL/2001/4660

PROPOSAL: Proposed removal of 3 cabinets and installation of 10 new equipment cabinets

SITE ADDRESS: The Bulmershe School, Chequers Way

APPLICANT: Orange

The committee considered the plans were insufficient and difficult to understand.

SIGNED: [signature] DATE: 12.9.01.

For Woodley Town Council

4660.

Mike Thorp

From: Mike Thorp
Sent: 24 October 2001 12:40
To: 'ColingLawley@aol.com'
Cc: Anna Cronin (E-mail)
Subject: RE: Mast at Bulmershe training college.

Dear Cllr Lawley

Apologies for the delay in replying – I am only just starting to catch-up with my work after returning from holiday. In response to your specific question, I would advise:

APPLICATION TL/2001/4650 – telecommunications apparatus on electricity pylon adjacent to car park at Woodlands Avenue, Woodley.

This application was received on 20 August 2001, so fell to be determined under the 'old rules', which meant that the Council only had 28 days in which to consider it. If it was received now, we would have 56 days to make a decision. As telecommunications developers were not obliged to wait until the new regulations came into effect on 22 August 2001, it is unreasonable for the Council to criticise them for doing so.

Given that we had to make a decision by Sunday (!!) 16 September, it was inevitable that consultation letters would be sent during school holidays. We have no power to extend the decision date just because the consultation period falls within school holidays.

Bulmershe School was not consulted on this application as it is not near the site – it is over 200 metres away form the electricity pylon in question.

I have sent a copy of the decision letter and letter from Highwood school with a complements slip, for your information.

APPLICATION TL/2001/4660 – telecommunications cabinets at Bulmershe School

As this site lies within Bulmershe Ward, the notification letters were sent to Cllrs Preston & Rahmouni. The relevant consideration in this application was that telecommunication apparatus already exists, and the proposal was only to remove 3 existing cabinets and install 10 cabinets.

You may also wish to note two recent telecommunication development appeals reported on pages 1349 & 1358 of the Development Control Committee Agenda for 24 October.

I hope this answers your enquiry – if you require any further information, please let me know.

Mike Thorp

-----Original Message-----

From: ColingLawley@aol.com [SMTP:ColingLawley@aol.com]
Sent: 10 October 2001 08:44
To: Mike.Thorp@wokingham.gov.uk
Cc: jack.earnshaw@ntlworld.com; MalvernK@plcbrk.siemens.co.uk; Anna.Cronin@wokingham.gov.uk; kay.gilder@ntlworld.com; Beth.Rowland@gbr.xerox.com; Beth.Rowland@ntlworld.com; Karen.Satterford@wokingham.gov.uk
Subject: Mast at Bulmershe training college.

My ref MT5

Hi Mike,

Many apologies, I was not aware that you were on holiday when I wrote to you last week.

I would therefore welcome your reply after you have settled back in after your holiday, which I trust was a good one.

Coling.

Subj: **Mast at Bulmershe Training College.**
Date: 9/24/01
To: Mike.Thorp@wokingham.gov.uk
CC: jack.earnshaw@ntlworld.com
CC: MalvernK@plcbrk.siemens.co.uk
CC: Anna.Cronin@wokingham.gov.uk
CC: kay.gilder@ntlworld.com
CC: Beth.Rowland@gbr.xerox.com
CC: Beth.Rowland@ntlworld.com

My ref MT2. cc Karen Shepherd Director of Environmental Services

Hi Mike,

Over the weekend I have had an opportunity to work through PPG 8.

Amongst those ringing me on friday to express disappointment over our decision to allow this additional permission, (I appreciate the "considerable importance" given to mast sharing), was a governor from both Highwood Primary and the Bulmershe School.
In view of this, please confirm that we carried out the correct consultation and publicity and as we "should take into account any relevant views expressed", I would be interested to know what their views were.

Thanks,

Coling. Hi Mike,
Thanks for your mail responding to an earlier request explaining why the decision was taken to allow this application.
However, I had followed up with the above mail which so far has not illicited a reply.
Do I take it that the subsequent article on the front page of last weeks Chronicle headed "Fury over phone mast 'stitch up' is correct?
The criticisms levelled are
(1) Highwood were advised on Aug 22nd during the school holidays (which the gave them just a few days before the deadline).
(2) Bulmershe were not consulted (point only picked up by Mr Routh as he is a governor at both schools)
I was not aware that the application was made (Aug 20th) just two days before the new guidelines came into force. Does that mean that the decision was taken under the rules pre P.P.G 8?
I am still awaiting the views that were expressed by Highwood.
Also I do not remember being consulted over application number TL/2001/4660 by Orange for new equipment cabinets. Is that due to the fact that only new equipment cabinets were involved?
Thanks.
Coling.

P.S. Still awaiting a copy of the decision letter.

RT



urgence in the which saw Reading ycombe at the d ended away to mouth with a inting 1-0 defeat. e Royals look to ay's home match Bury to put lves back on track.
Section P36-44

ekender



ding's best re guide

t's on in theatres, as and venues pu agon panto v complete 7-day on guide



Air supply: Ian Parkyn of Camo Clothing in Reading's Whitley Street with some of his stock of gas masks.

Picture by Andy Evans 015992

Woodley Chronicle 21st Sept.

Fury over phone mast 'stitch up'

School consulted in middle of holidays

by Graham Bond

A WOODLEY school governor has blasted council planners for letting a mobile phone mast application slip through the system 48 hours before tough new rules came into force.

Wokingham District Council has given Vodafone the go-ahead to install two dishes and six telecommunications antennae on top of an electricity pylon in Reading University's Bulmershe Court car park.

But Jerry Routh, a governor at Bulmershe and Highwood – immediately next to the proposed site has labelled the council's consultation process "disgusting".

The application was made to the council on August 20 – just two days before new government guidelines came into force.

Under the new rules the council would have allowed 56 days to decide the application and all schools "on or near the site" would have been consulted.

But the old rules only allowed 28 days to make a decision and the guidance suggested the council consult "parties nearby."

Highwood received a letter explaining the application on August 22 – during the school holidays – which was only picked up at the start of term, just days before the September 11 deadline for comments.

Mr Routh said: "Highwood already has to contend with cables running across the site and the University already has two antennae on its site.

"The school didn't have enough time to respond to the planning application and now it's been approved which I think is disgusting."

Mr Routh, worried at the possible health risks posed by the masts, is also angry that Bulmershe governors were not consulted at all.

A district council spokesman said: "There is no precise definition in the new or old guidance of the distances of those we have to consult with.

"There is no government definition of what distance 'on or near the site' refers to. We weren't obliged to consult Bulmershe but there was a notice put up on the site on August 22."

Village agrees not to burn bridges over third Thames crossing row

by Genevra Fletcher

VILLAGERS feuding over the right way to solve Sonning's traffic nightmares put their differences aside this week and pledged to team up with their Reading neighbours to lobby for a third Thames Bridge.

The village is choked by the fumes of hundreds of cars every

up all the roads for their exclusive use.

Last year the parish council took the bull by the horns and suggested an eastern bypass. But the proposal upset many vil-

"The person that came up with this scheme, who I understand is claiming intellectual rights to it, should be sent to the Tower of London."

But villagers also praised the council's efforts to find a solution, and for organising the public meeting

to seek a suitable site east of Sonning near the A329(M).

Sonning resident and councillor Nigel Rose warned villagers that neighbouring authorities are s[illegible]uously opposed to the A329(M) proposal.

Cllr Rose urged villagers not to be too specific about their choice

WIDE
SHOE
LADIES MI
INCLUDING
VAN DAL BAR
ELMDALE LOA
EQUITY CHE
ROHDE
PADDERS
CHAPMA
(Wide Fitting Spec
3E Merchants Pl
Reading
Between Friar St & Ga
Railway Station E
and Car Park ne
0118 950 8

Wokingham District Council, Environmental Services Department, PO Box 157, Shute End
Wokingham, RG40 1WR

Fax

To: Ms E Robson **Tel:** 01488 607900

Fax: 01488 607901

From Jöss Miller **Tel:** 0118 974 6482

Fax: 0118 974 6484

Re: TL/2001/4660

CC:

Number of pages including cover sheet: 2

Date: 14/09/01

Please find attached decision notice for TL/2001/4660.

COMMPRO telecommunications

FACSIMILE MESSAGE

47705

PLANNING SERVICES
POL
CO SM
APP
CS
13 SEP 2001
COPIES TO:

To: Joss Miller

Company: Wokingham District Council

Fax Number: 0118 9746484

Date: 11 September

From: Erin Robson

Number of pages including this page: 2

APPLICATION TL/2001/4660

As requested the dimensions of the proposed equipment cabinets are as follows:

	Height	Width	Depth
Ultrasite (U)	1936mm	770mm	745mm
Node B	1940mm	770mm	790mm
SSU	1936mm	770mm	745mm
P & R	1360mm	770mm	880mm
12A & 13A	2074mm	770mm	645mm

Please phone if you have any questions or require further information.

Kind Regards

pp Erin Robson
Acquisition Surveyor

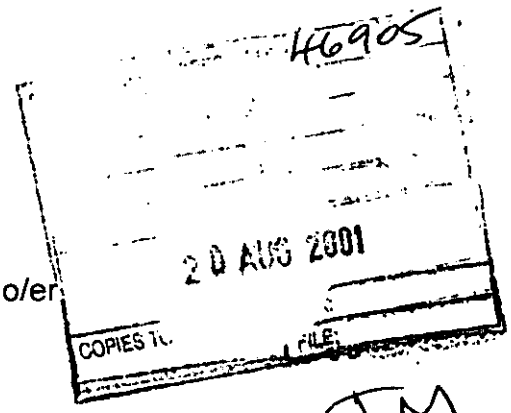
APPROVED

commpro acquisition services limited

southern office
home farm welford
nr. newbury
berkshire RG20 8HR
t: +44 (0) 1488 607900
f: +44 (0) 1488 607901
e: cas.south@commpro.co.uk

registered office: hathaway house, popes drive, london n3 1qf registered number 3453076 england. offices also in australia. www.commpro.co.uk

4660



COMMPRO telecommunications

Our Ref: BRK0013/gpdo/er

JM

Appears to be northridge area + not a TL

Head of Planning
Wokingham District Council
Civic Offices
Shute End
Wokingham
Berkshire
RG40 1BN

17 August 2001

By Recorded Delivery

Dear Sir/Madam

ORANGE PERSONAL COMMUNICATION SERVICES LIMITED – EXISTING CELL BRK0013, BULMERSHE SCHOOL, WOODLEY, READING, BERKSHIRE RG5 3EL

As you are aware, Orange Personal Communication Services Limited is licensed under Section 7 of the Telecommunications Act 1984 to develop a Communications Network. They were also recently awarded one of the third generation licences by the government.

There is an established equipment installation at the above site. However for engineering reasons and as part of the commitment to ongoing development of mobile technology, Orange have a requirement to alter the configuration of our equipment as detailed below:

- Existing antennas to be replaced with new like size antennas
- Additional 2x 600mm microwave dishes (D1 and D2) to be installed
- Additional 1x 300mm microwave dishes (D3) to be installed

Please find enclosed drawings detailing these alterations for your information.

commpro acquisition services limited

southern office
home farm, welford,
nr. newbury,
berkshire RG20 8HR

t +44 (0) 1488 607900
f +44 (0) 1488 607901
e south.office@commpro.co.uk

registered office: hathaway house, popes drive, london N3 1QF
registered number: 3453076 england. offices also in australia.
www.commpro.co.uk

Orange is by virtue of its license a Code System Operator, and is therefore entitled to carry out certain developments under part 24 of the Town and Country Planning General Permitted Development Order 1995. Please would you treat this letter as notice, as required under the terms of our Telecommunications Act Licence of our intention to install the equipment.

Please note that this is not a development for which an application is required under condition A.2 of the GPDO and neither does it require payment of a fee.

Under terms of our licence you have 28 days from receipt of this notice to make representations to us concerning this proposal should you wish to do so. Please do not hesitate to contact me on the number below should you require any clarification or further information about this proposal.

Yours faithfully

Erin Robson
Acquisition Surveyor
On behalf of Orange Telecommunications Ltd

Enc: Drawings -

30/BRK0013/101	Issue 0
30/BRK0013/102	Issue A
30/BRK0013/103	Issue A
30/BRK0013/104	Issue A

* * * COMMUNICATION RESULT REPORT (14.SEP.2001 15:32) * * *

TTI WDC PLAN&TRANSPORT

FILE	MODE	OPTION	ADDRESS (GROUP)	RESULT	PAGE
125	MEMORY TX		901865883060	OK	P. 2/2

REASON FOR ERROR
E-1) HANG UP OR LINE FAIL
E-2) BUSY
E-3) NO ANSWER
E-4) NO FACSIMILE CONNECTION

WORK SHEET FOR : Joss Miller

Application Number : TL/2001/4660

Applicant : Orange Personal Communications Ltd C/O Commpro Telecommunications.

Location : The Bulmershe School, Chequers Way, Woodley, Reading.

Proposal : Proposed removal of 3 existing cabinets and installation of 10 new equipment cabinets

Site Notice Displayed ? :	YES	NO	DATE
	✓		31/8

Date of Neighbour Notifications : 31/8

Date of Site Visit : 31/8

Date Registered : 20/08/2001

Earliest Date for Decision : 14/09/2001

Latest Consultation Date/Site Notice Expiry Date : 14/09/2001

This application will have expired on: 17/09/2001. You need to make a decision 1 day prior to this date for this application to count as determined in less than 8 weeks.

Consultation Responses :

Planning Issues :

Effect on Street Scene & neighbouring properties.
Identified settlement.

Application Number: TL/2001/4660

Appraisal :

This application is for the removal of 3 existing cabinets & the installation of 10 new equipment cabinets

The development would be situated on the roof of the school buildings and therefore any visual impact on the neighbours or the surrounding area would be minimised.

There would be no increase in masts or antennae on the buildings.

Recomendation : Approval: ☑ **Refusal:** ☐

(tick appropriate box)

Application Number TL/2001/4660
Conditions/Reasons for Refusal

No	Std Con	Std Reas	Non Std Conditions / Reasons for Refusal
			APPROVE

RECORD OF SITE VISIT

SITE ADDRESS: The Bulmershe School Chequers Way Woodley Reading.

APPLICATION NUMBER: TL/2001/4660

OFFICER: Joss Miller

DATE OF SITE VISIT: 31/8

1 SITE/STATUTORY NOTICE DISPLAYED ? Yes 31/8

2. DESCRIPTION OF SURROUNDINGS

~~Desc~~ ld. sett :

3. DESCRIPTION OF SITE/BUILDING

School .

4. RELATIONSHIP TO ADJOINING PROPERTIES

Res prop within close proximity
Antennas existing.

5. SITE CONSTRAINTS

TREES \

ACCESS/PARKING \

LEVELS ~~Desc~~ On roof of building.

BOUNDARY TREATMENT \

OTHERS \

* * * COMMUNICATION RESULT REPORT (3.SEP.2001 14:20) * * *

TTI WDC PLAN&TRANSPORT

FILE	MODE	OPTION	ADDRESS (GROUP)	RESULT	PAGE
957	MEMORY TX		901488607901	OK	P. 2/2

REASON FOR ERROR
E-1) HANG UP OR LINE FAIL
E-2) BUSY
E-3) NO ANSWER
E-4) NO FACSIMILE CONNECTION

FAX COVER SHEET

TO: Ms E Robson

FROM: Joss Miller

DESTINATION FAX No: 01488 607901

DATE: 8/1/01

TIME: 2.30pm

SUBJECT: T/2001/4660

TOTAL NUMBER OF PAGES (Inc. this cover sheet): 2

Environmental Services Department, P.O Box 157, Civic Offices, Shute End,
Wokingham, Berkshire RG40 1WR. Tel (0118) 9746428. Fax (0118) 9746484.

Tel. 0118 974 6463 (Direct Line)

Date. 3 September 2001

My ref. JM/MLT/TL/2001/4660

Your ref. BRK0013

Ms E Robson
Compro Telecommunications
Southern Office
Home Farm
Welford
Newbury
Berkshire
RG20 8HR

Environmental Services Department
Planning Services
P.O. Box 157
Shute End, Wokingham
Berkshire RG40 1WR
Tel: (0118) 974 6000
Fax: (0118) 974 6484
Minicom No: (0118) 977 8909
DX: 33506 – Wokingham
E-mail:

Dear Ms Robson,

RE: PROPOSED REMOVAL OF 3 EXISTING CABINETS AND INSTALLATION OF 10 NEW EQUIPMENT CABINETS AT THE BULMERSHE SCHOOL, CHEQUERS WAY, WOODLEY (TL/2001/4660)

I refer to the proposed erection of 3 existing cabinets and installation of 10 new equipment cabinets.

I write to formally advise you that prior notification of this telecommunications development is required in view of the proximity of the development to a school and residential properties.

I hope this information is of use to you. If you have any further questions relating to this matter the case officer, Joss Miller, can be contacted on the above telephone number.

Yours sincerely

M L THORP

Principal Development Control Officer

File: TL.2001.4660
Bulmershe School
Chequers Way

COMMPRO
telecommunications

Our Ref: BRK0013/gpdo/er

PL:	HP:
POL:	TLS:
DC	ENF:
APP	
CS	
20 AUG 2001	
COPIES TO:	ACK:
	FILE:

TL/2001/4660

28 DAYS

Head of Planning
Wokingham District Council
Civic Offices
Shute End
Wokingham
Berkshire
RG40 1BN

17 August 2001

By Recorded Delivery

Dear Sir/Madam

ORANGE PERSONAL COMMUNICATION SERVICES LIMITED – EXISTING CELL BRK0013, BULMERSHE SCHOOL, WOODLEY, READING, BERKSHIRE RG5 3EL

Orange Personal Communication Services Limited is proposing to upgrade the above existing site.

Please find enclosed relevant applications for this proposal.

Should you require any further information please don't hesitate to contact me on the number below.

Yours faithfully

Erin Robson
On behalf of Orange Personal Communication Services Ltd

commpro acquisition services limited

southern office
home farm, welford,
nr. newbury,
berkshire RG20 8HR

t +44 (0) 1488 607900
f +44 (0) 1488 607901
e south.office@commpro.co.uk

registered office: hathaway house, popes drive, london N3 1QF
registered number: 3453076 england. offices also in australia.
www.commpro.co.uk

Our Ref: BRK0013/gpdo/er

COMMPRO telecommunications

Head of Planning
Wokingham District Council
Civic Offices
Shute End
Wokingham
Berkshire
RG40 1BN

17 August 2001

Recorded Delivery

Dear Sir/Madam

Application for a determination under Part 24 of the General Permitted Development Order 1995

Description of proposed equipment

Existing 3 cabinet configuration to be swapped out to a configuration of 10 cabinet within existing enclosure

Proposed Alteration to Existing Orange PCS Ltd. Telecommunications Site at Bulmershe School, Woodley, Reading, Berkshire RG5 3EL

Orange Personal Communications Services Limited is licensed under Section 7 of the Telecommunications Act 1984 to develop a Personal Communications Network (PCN).

Orange is by virtue of its licence a Code System Operator and is therefore entitled to carry out certain developments under part 24 of the Town and Country Planning General Permitted Development Order 1995.

Please find enclosed drawings 30/BRK0013/101, 30/BRK0013/102, 30/BRK0013/103 and 30/BRK0013/104 detailing equipment to be installed at the above location.

As required by condition A.2 (4) of part 24, **we hereby apply** for a determination as to whether prior approval will be required to the siting and appearance of the above equipment. If it is determined that prior approval is required, please accept this letter as an application for such approval.

The new equipment is required to increase the call traffic handling capacity of this existing base station in order to meet present and forecast demand. The existing rooftop equipment is unable to accommodate the new radio equipment and we therefore propose the new equipment, which will be sited as follows:

commpro acquisition services limited

southern office
home farm, welford,
nr. newbury,
berkshire RG20 8HR

t +44 (0) 1488 607900
f +44 (0) 1488 607901
e south.office@commpro.co.uk

registered office: hathaway house, popes drive, london N3 1QF
registered number: 3453078 england. offices also in australia.
www.commpro.co.uk

- The existing 3 cabinet configuration to be swapped out to a configuration of 10 cabinets within the existing enclosure

In view of the minor changes required, it is submitted that there will be no significant increase in the visual impact of the development arising from the proposed installations. Failure to upgrade the equipment at this site may result in the need for an additional site in the vicinity to absorb call traffic. In the circumstances I trust you will be able to approve the development.

If you have any comments or concerns regarding this application I would be grateful if you could contact me as soon as possible, quoting the site reference BRK0013.

A cheque is enclosed for £35.00. Please you would acknowledge receipt of this application and cheque.

Yours faithfully

Erin Robson
On behalf of Orange

Tel. 01488 607900
Fax 01488 607901
Email erin.robson@commpro.co.uk

Encs.

Drawings:	30/BRK0013/101	Issue 0
	30/BRK0013/102	Issue A
	30/BRK0013/103	Issue A
	30/BRK0013/104	Issue A

Appendix A/B
Orange Information brochure

APPENDIX A
PROPOSED INSTALLATION / SITE JUSTIFICATION
BULMERSHE SCHOOL, WOODLEY, READING, BERKSHIRE, RG5 3EL

(1) Coverage Objective
The primary purpose of the installation is to provide greater capacity of mobile telephone coverage to Woodley, Berkshire.

In recent years reception in both residential and commercial areas alike has become expected and indeed demanded by the many users of mobile telephones, yet existing installations in the Woodley area are unable to supply the capacity or necessary penetration. Subscribers to the Orange network are now running at 7 million; a growth of over 100% in the last 9 months. The Orange brand is aiming to support this growth and demand; with 1 in 9 people in the UK currently owning an Orange phone.

(2) Purpose of Installation
This upgrade of equipment is required due to:-
a)The need to increase the capacity of the site to cope with the growth of the telecoms industry.
b)To facilitate the introduction of 3G technology i.e. high speed data transmission
This new technology calls for an increased size of equipment on site, but avoids the requirement for further sites within the cell area.
c) To extend Orange's commitment to industry development and maintain our current OFTEL top ranking for network performance, and the JD Power survey results of being number one for customer satisfaction.

(3) Design of 3G Installations
Our client places great importance on the need to keep the visual intrusion of telecommunications equipment to the absolute minimum necessary to maintain an operational network and, with this in mind, has developed a range of installations so as to blend relatively unobtrusively into the surrounding environment.

(4) Attributes of the Site
The upgrade of existing equipment within an area avoids the need to install further equipment on alternative sites, thereby keeping the number of installations in an area to a minimum.

In assessing the suitability of the site for this upgrade efforts have been made to keep the impact of the installation to a minimum. The antennae will not change significantly from their original position.

We would be happy to consider your views on any further measures such as preferred colour treatments or additional screening that may be incorporated into the design so as to minimise intrusion into the landscape.

APPENDIX B

OPERATION OF A PCN SYSTEM

Orange Telecommunications Ltd operates a Personal Communications Network (PCN) under its trade name of Orange. It is a digital mobile telephone service operating via radio links, in Oranges case 1800 Mhz, and it is relevant to mention that at 1800 Mhz the radio wave propagation is significantly shorter than some other carriers operating at the 900 Mhz range, as this means that coverage areas are typically smaller and a greater number of installations is required.

The PCN network is largely made up of base stations that comprise transmitting and receiving antennas and associated radio equipment. These antennas may be attached to buildings, other existing structures or purpose-built masts. The base station transmits radio signals to, and receives radio signals from, low-powered mobile telephones.

Each base station provides radio service coverage to a specific area, commonly referred to as a cell. Base stations operate in conjunction with adjoining base stations to provide a 'seamless' service and network. Each is linked to a central switching centre which tracks calls and transfers them from one base station to another as the caller moves from one cell area to another. Through the central switching centre PCN cells can be linked to customers of any telephone network, both nationally and internationally.

Planning and maintaining a PCN network is a complicated task. There are many things that can affect radio waves and cause poor coverage and reception. Height in particular can make a significant difference to radio coverage performance, because if the signal is obstructed by hills, buildings or other natural or built elements, or if the base station is below the height of trees, the radio signal will be absorbed before it is distributed and can provide unacceptable coverage.

The cell area varies in size according to terrain, the height of the antenna and the level of demand in the cell area, but is typically 0.5km apart in towns and 5km apart in rural and less populated areas. In low usage areas cells are generally larger and antennas are typically located on taller structures or masts, and signal strength may be poor in some parts as a result. In areas of high mobile telephone use the number of cells needed to maintain service quality increases and the density of base stations needs to be higher to cope with the volume.

Increasing demand and user expectations means that additional installations may be required to cope with the additional traffic and/or overcome localised signal quality problems which may result in 'dropped' calls. Sometimes a new base station will be required, but in other locations it may be sufficient to erect a smaller 'intermediate' station to either improve the quality and/or increase the capacity of a given cell.

OPCS FEEDER KEY							
TO:	QTY:	TYPE:	OUTER DIA:	MIN BEND RAD:	LENGTH (M)	COLOUR	NAME
A1	2	LDF550	28mm	250mm	30		ANDREWS
A2	2	LDF550	28mm	250mm	30		ANDREWS
B1	2	LDF550	28mm	250mm	30		ANDREWS
B1	2	LDF550	28mm	250mm	30		ANDREWS
C1	2	LDF550	28mm	250mm	30		ANDREWS
C2	2	LDF550	28mm	250mm	30		ANDREWS

NOTE: INFORMATION HELD ON IMS TAKES PRECEDENCE OVER ALL KEYS AND SCHEDULES SHOWN

ANTENNA KEY							
ITEM	ANTENNA REF	FUNCTION/ LINK NO.	TYPE / SIZE	BEARING ENG	HT TO CENTER OF ANTENNA FROM G/L	DOWN TILT	MHA'S (R IF REMOTE)
1	A1	TX/RX	DBPP-A	0°	1300mm		Y
2	A2	RX	DBPP-A	0°	1300mm		Y
3	B1	TX/RX	DBPP-B	120°	1300mm		Y
4	B2	RX	DBPP-B	120°	1300mm		Y
5	C1	TX/RX	DBPP-C	240°	1300mm		Y
6	C2	RX	DBPP-C	240°	1300mm		Y
7							
8							
9							
10							
11							
12							
ITEM	DISH REF	FUNCTION/ LINK NO.	SIZE	BEARING ENG	HT TO CENTER OF ANTENNA FROM G/L		REMOTE RFU (Y/N)
1	D1	-	600mm DIA	TBA	TBA		N
2	D2	-	600mm DIA	TBA	TBA		N
3	D3	-	300mm DIA	TBA	TBA		N

REC SUPPLY REQUIRED FOR POWER

APPROVED

SITE NUMBER

BRK0013

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A3 ORIGINAL

INCHES 0 1 2

MILLIMETRES 0 10 20 30 40 50

ISS.	DESCRIPTION	BY	DATE
A	DISH 04 DELETED	TORS	08.01
0	CONSTRUCTION ISSUE	G.W.P	08.01

SCALE: AS SHOWN | DRAWN | G.W.P. | CHECKED | | APPROVED |
DATE | 10.08.01 | DATE | | DATE

TITLE
PROPOSED
RADIO INSTALLATION FOR
BULMERSHE SCHOOL, WOODLEY,
READING, BERKSHIRE.

DRAWING NUMBER
30/BRK0013/104

ISSUE
A

orange
hutchison telecom

St. James Court
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Almondsbury
Bristol
BS12 4QJ
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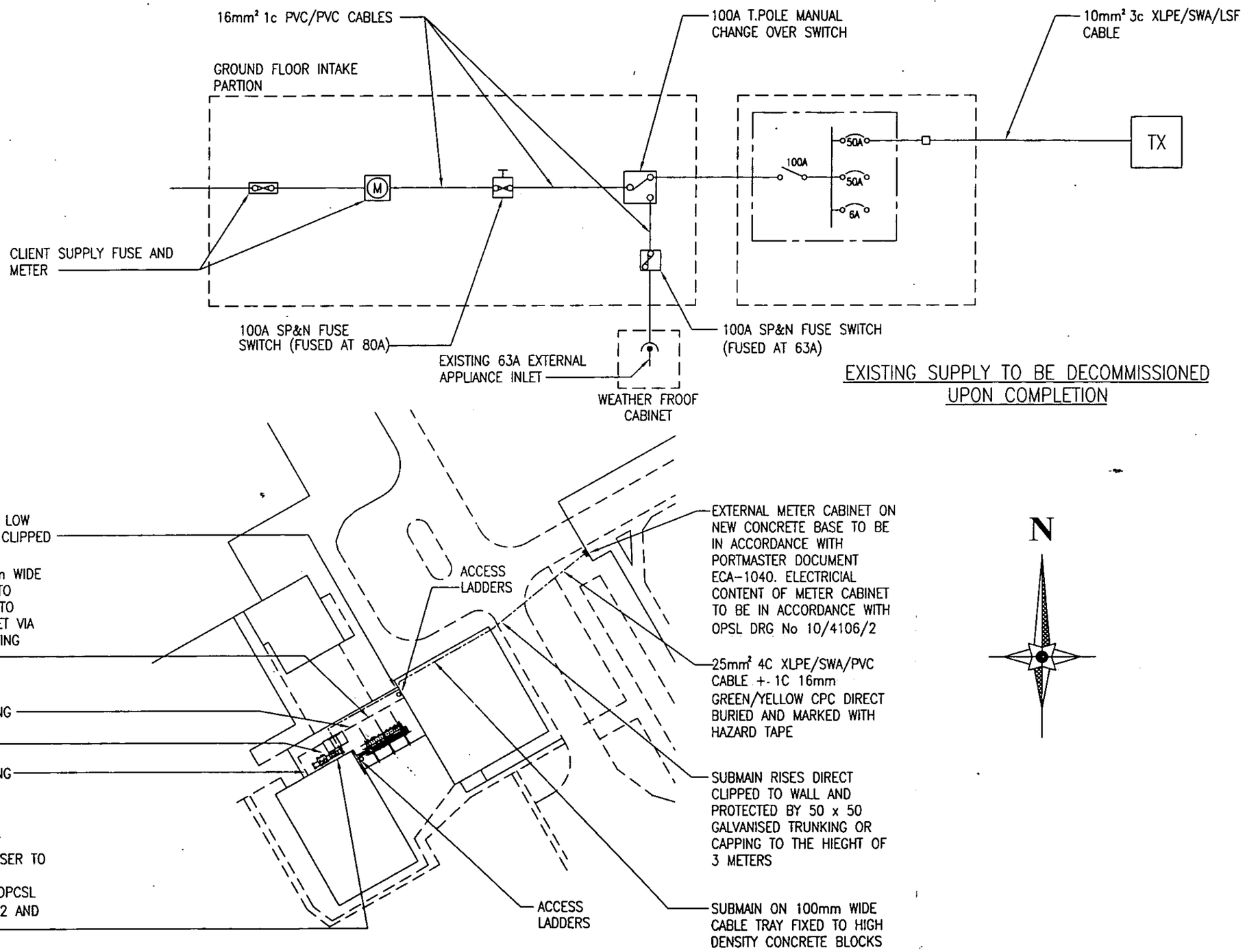
WSA Project No. A86391



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A3 ORIGINAL

INCHES 0 1 2

MILLIMETRES 0 10 20 30 40 50

ISS.	DESCRIPTION	BY	DATE
0	CONSTRUCTION ISSUE	JL	08.01

SCALE	DRAWN	CHECKED	APPROVED
AS SHOWN	GWP		
	DATE 10.08.01	DATE	DATE

TITLE
ELECTRICAL INSTALLATION
RADIO INSTALLATION FOR
BULMERSHE SCHOOL, WOODLEY,
READING, BERKSHIRE.

DRAWING NUMBER 30/BRK0013/105

ISSUE 0

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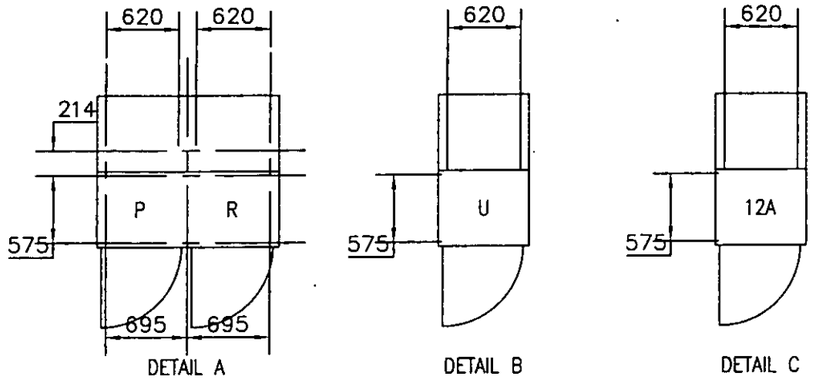

EXISTING P AND R CABINETS TO BE RELOCATED ON NEW GRILLAGE
EXISTING SUPPORT PLATFORM TO BE REMOVED

EXISTING TX 13A CABINET TO REMAIN

NEW TX 12A CABINET ON EXISTING GRILLAGE EXISTING 100x50 PPC SUPPORT BEARERS TO BE REPOSITIONED AS NECESSARY FOR FIXINGS POSITIONS SEE DETAIL C

NEW STEPS 150x75 PFC 18 STRINGERS WITH FLOWFORGE TREADS

CONTACTOR TO CONFIRM LOCATION OF COLUMS AND PLACE NEW PLINTHS 300x300x150 HIGH ABOVE

FLOWFORGE OPEN STEEL FLOORING 30x3 BEARER BARS @ 41 C/C AND TRANSVERSE BARS @ 100 C/C

EXISTING RAMP

℄ EXISTING COLUMS NEW PLINTHS

℄ EXISTING COLUMS NEW PLINTHS

℄ EXISTING COLUMS NEW PLINTHS

NEW ULTRASITE CABINETS FOR FIXING DETAILS SEE DETAIL B

RELOCATED R AND P CABINET FOR FIXINGS POSITIONS SEE DETAIL A

152x152UC 23

R P

TX 13A

TX 12A

300 CABLE TRAY

EXISTING GRILLAGE

665

PFC 18

150x75

U U R P SSU SSU NODE B NODE B

PFC 18

150x75

152x152UC 23

100

250

250

450mm WIDE CABLE LADDER @ 2050mm ABOVE PLATFORM LEVEL

152x152UC 23

HANDRAIL 1100mm ABOVE DECK LEVEL

90 x 90 RSA 8

152x152UC 23

152x152UC 23

152x152UC 23

NOTE FIXING DETAILS FOR NODE B AND SSU CABINETS TO BE CONFIRMED BY MANUFACTURER

N

APPROVED

PART ROOF PLAN
SCALE: 1:50

SITE NUMBER
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A3 ORIGINAL
INCHES
MILLIMETRES

ISS.	DESCRIPTION	BY	DATE
A	NOTE TO P&R CABINETS AMENDED	TCRB	05.01
0	CONSTRUCTION ISSUE	A.	05.01

SCALE	DRAWN	CHECKED	APPROVED
AS SHOWN	GWP		
	DATE 01.08.01	DATE	DATE

TITLE
PROPOSED
RADIO INSTALLATION FOR
BULMERSHE SCHOOL, WOODLEY,
READING, BERKSHIRE.

DRAWING NUMBER 30/BRK0013/102

ISSUE A

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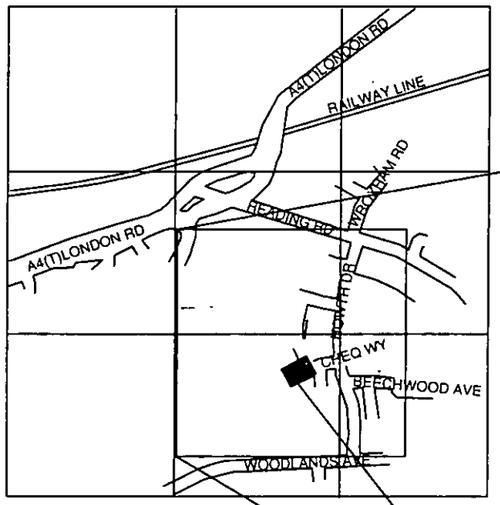
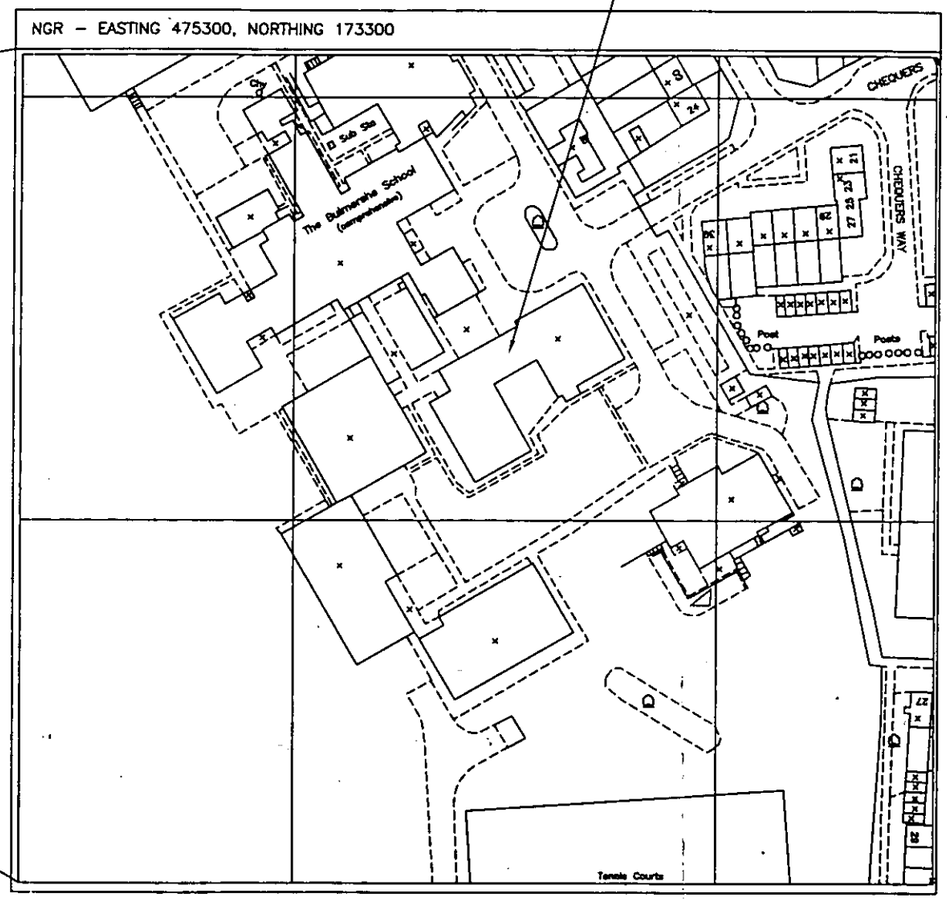


N

SITE LOCATION
NOT TO SCALE

OPCSL SITE :
BULMERSHE SCHOOL
WOODLEY

NGR – EASTING 475300, NORTHING 173300



N

ORDNANCE SURVEY
SCALE 1:1250

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A3 ORIGINAL
INCHES
0 1 2
0 10 20 30 40 50
MILLIMETRES

0	CONSTRUCTION ISSUE					JL	08.01
ISS.	DESCRIPTION					BY	DATE
SCALE AS SHOWN	DRAWN	GWP	CHECKED		APPROVED		
	DATE	10.08.01	DATE		DATE		

TITLE
PROPOSED
RADIO INSTALLATION FOR
BULMERSHE SCHOOL, WOODLEY,
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DRAWING NUMBER 30/BRK0013/101
ISSUE 0

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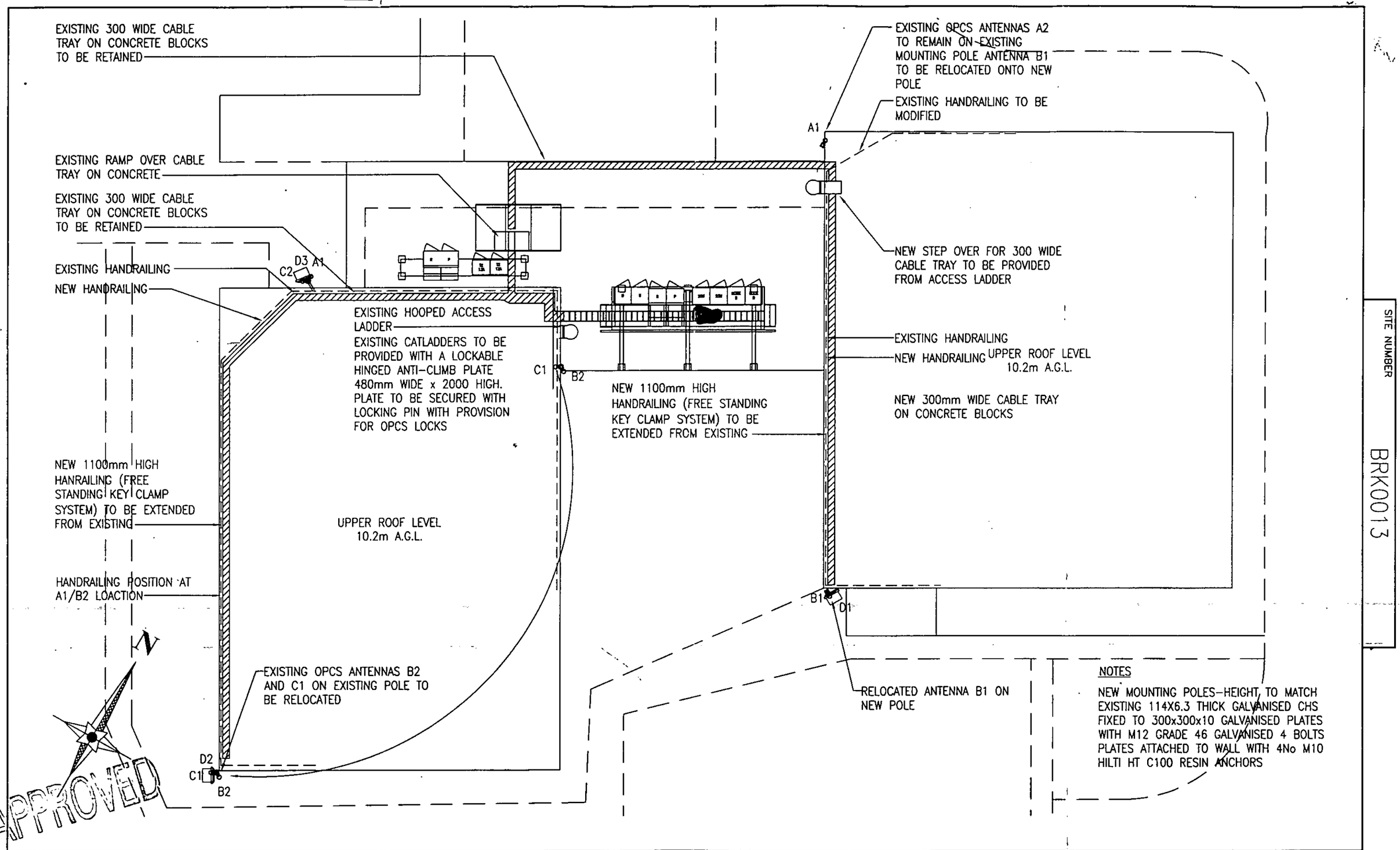

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INCHES
MILLIMETRES

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A	DISH 04 DELETED	TCRB	08.01
0	CONSTRUCTION ISSUE	JL	08.01

SCALE: AS SHOWN
DRAWN: GWP DATE 10.08.01
CHECKED: DATE
APPROVED: DATE

TITLE
ELECTRICAL INSTALLATION
RADIO INSTALLATION FOR
BULMERSHE SCHOOL, WOODLEY,
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DRAWING NUMBER: 30/BRK0013/106
ISSUE: A

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EXISTING STEEL PLATE RAMP OVER CABLE TRAY ON CONCRETE BLOCKS

EXISTING HOOPED ACCESS LADDERS

EXISTING HANDRAILING

ANTENNA A2 ON EXISTING POLE

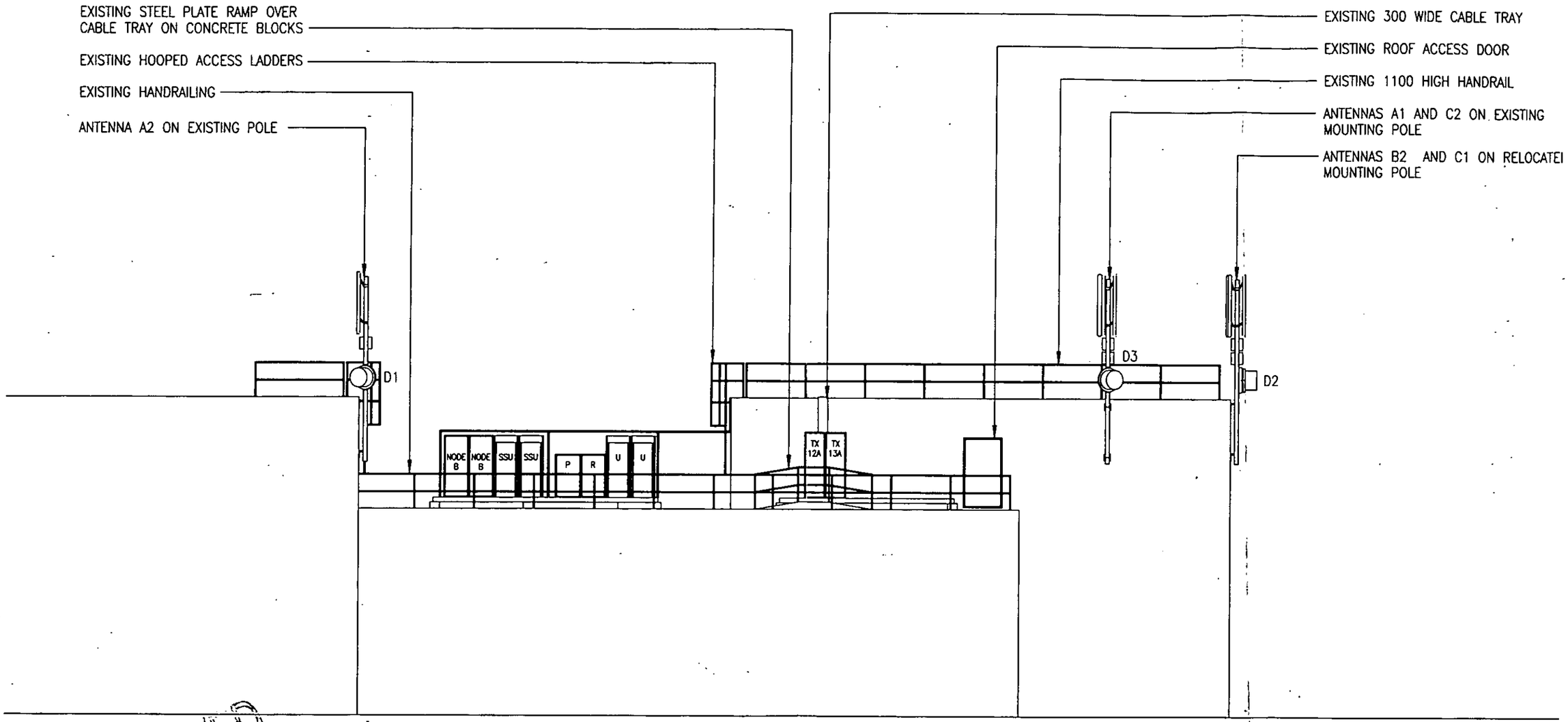
EXISTING 300 WIDE CABLE TRAY

EXISTING ROOF ACCESS DOOR

EXISTING 1100 HIGH HANDRAIL

ANTENNAS A1 AND C2 ON EXISTING MOUNTING POLE

ANTENNAS B2 AND C1 ON RELOCATEI MOUNTING POLE



ELEVATION
SCALE: 1:125

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A3 ORIGINAL
INCHES 0 1 2
MILLIMETRES 0 10 20 30 40 50

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	DATE 01.08.01	DATE	DATE

TITLE
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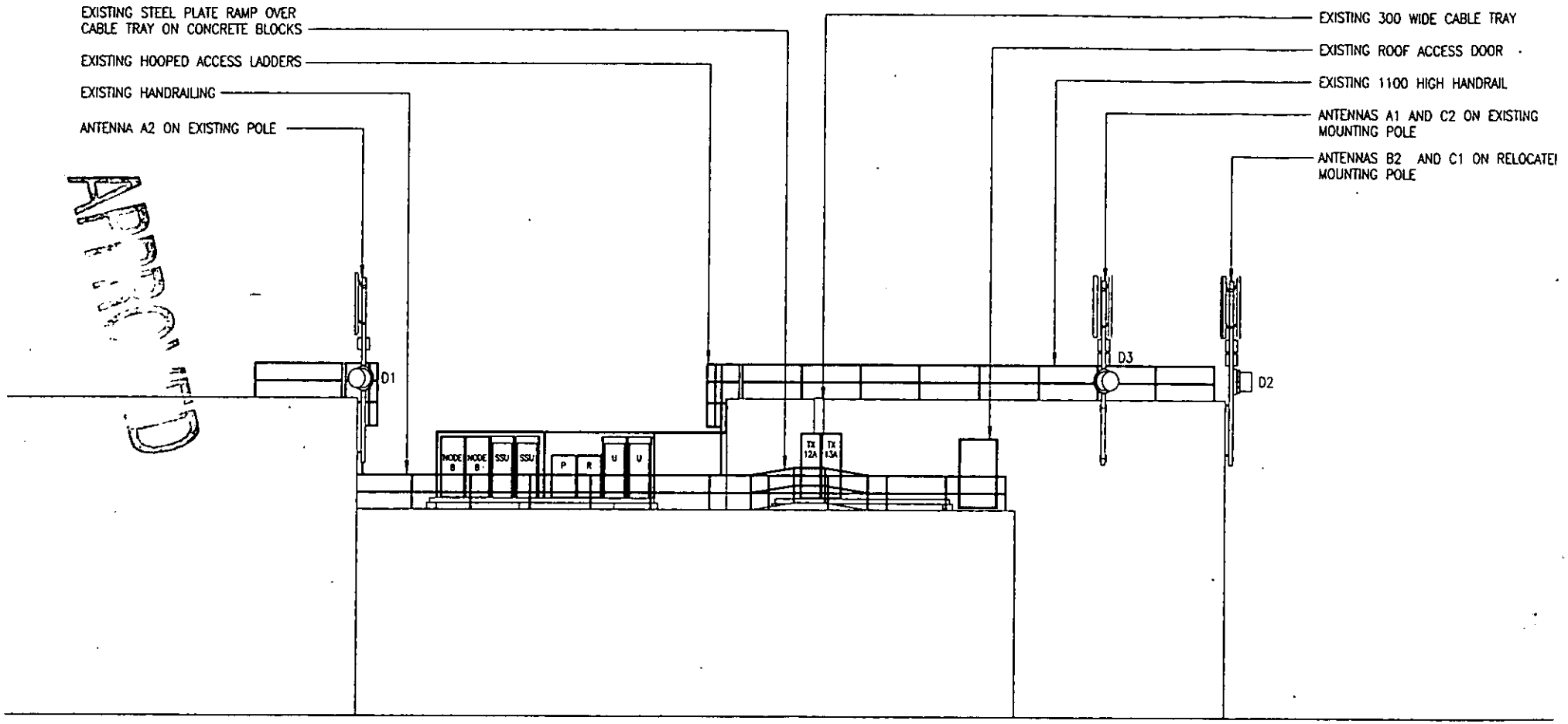

ELEVATION
SCALE: 1:125

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A3 ORIGINAL
INCHES 0 1 2
0 10 20 30 40 50 MILLIMETRES

ISS.	DESCRIPTION	BY	DATE
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SCALE: AS SHOWN | DRAWN: GWP | DATE: 01.08.01 | CHECKED | DATE | APPROVED | DATE

SITE: PROPOSED RADIO INSTALLATION FOR BULMERSHE SCHOOL, WOODLEY, READING, BERKSHIRE.

DRAWING NUMBER: 30/BRK0013/103 | ISSUE: 0

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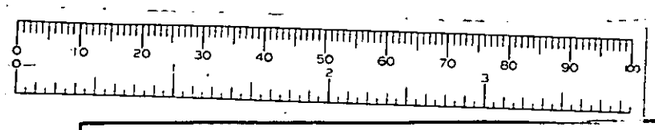

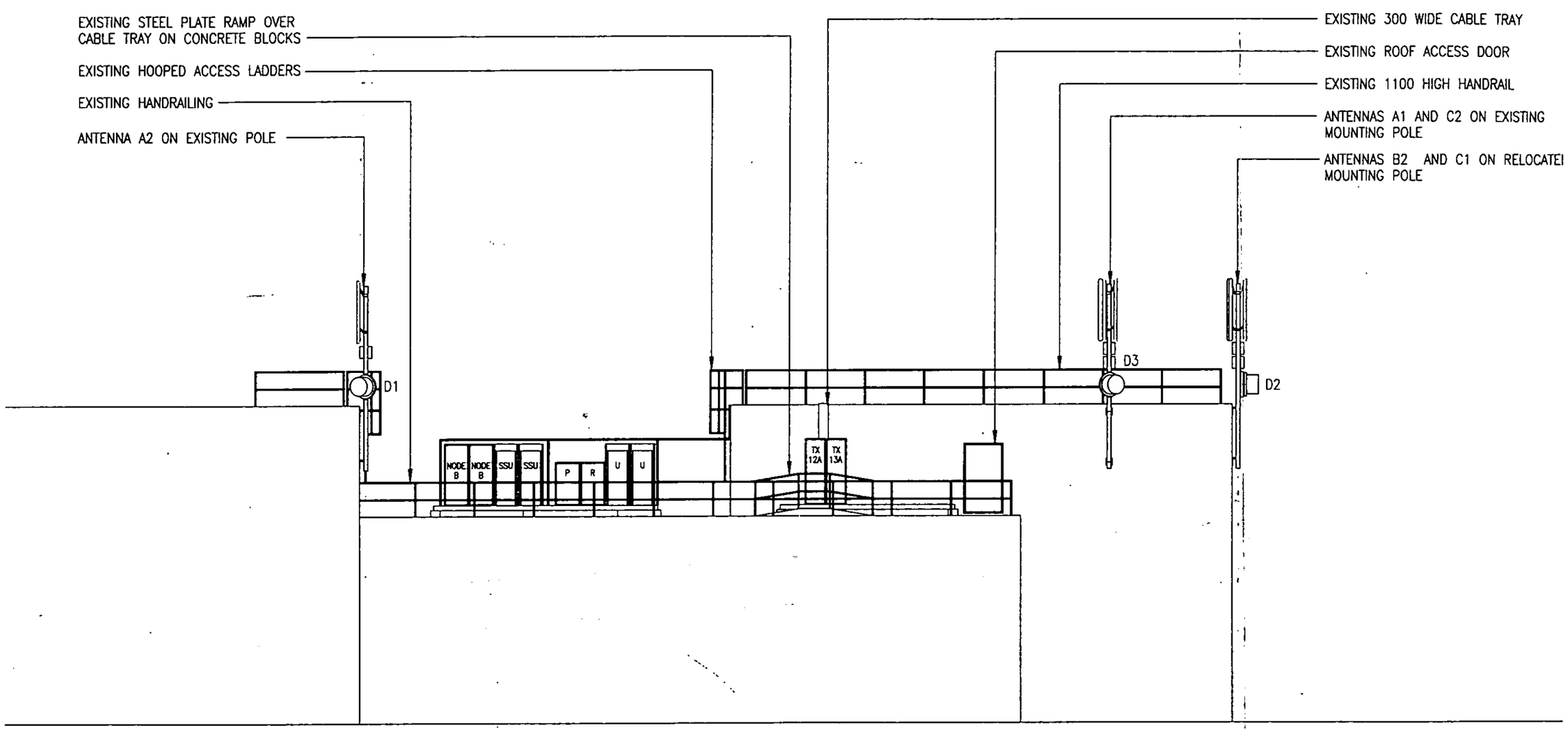

ELEVATION

SCALE: 1:125

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READING, BERKSHIRE.

DRAWING NUMBER 30/BRK0013/103

ISSUE 0

orange

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