EARTH ELECTRODE SYSTEM
(SEE NOTE 5)

1x50mm DIA DUCT TO
EARTH ELECTRODE SYSTEM
(SEE NOTE 6)

200mm THICK CONCRETE SLAB,
A393 MESH AT TOP WITH 50mm
COVER. SLAB TO BE PLACED ON
COMPACTED CL804

1x100mm DIA DUCTS

MINI PILLAR

1x150mm DIA DUCT TO
CCTV CAMERA POLE

150 EDGE DISTANCE

150 EDGE
DISTANCE

SAFETY HANDRAIL
(SEE NOTES 7&8)

MIN 625

MIN 2600

EQUIPMENT CABINET

100mm THICK CONCRETE
PATH TO EXTEND TO
CANTILEVER/GANTRY/CCTV
CAMERA POLE

1200

MIN 1000

MIN 625

1x100mm DIA LOCAL
DUCT FOR FUTURE USE
(SEE NOTE 3)

1x150mm DIA DUCT TO
CANTILEVER/GANTRY

MIN 5000

1200

1x100mm DIA DUCT TO
POWER SUPPLY POINT

1x100mm DIA LOCAL
DUCT FOR FUTURE USE
(SEE NOTE 3)

MIN RADIUS 2.5m

COMMS I, II OR III
CHAMBER

100mm THICK CONCRETE PATH
TO EXTEND TO MAINTENANCE
VEHICLE LAY-BY AREA
SEE DRAWING RCD/1500/024

1200

2x100mm DIA LOCAL DUCTS FROM
NEAREST COMMS I OR II CHAMBER

3x100mm DIA DUCTS

SAFETY BARRIER SHALL BE PROVIDED
IN ACCORDANCE WITH NRA TD 19

VERGE

HARDSHOULDER

PLAN

NOTES:

1. THE LAYOUTS SHOWN IS TYPICAL ONLY. REFER TO DRAWINGS RCD/1500/060 FOR DETAILS OF THE STANDARD SITE LAYOUT AT GANTRY, CANTILEVER AND CCTV CAMERA POLE SITES.

2. INSTALLATION DETAILS:

    - CABINET ARRANGEMENTS   RCD/1500/009,
    - DUCTS   RCD/1500/010-014,
    - CHAMBERS   RCD/1500/015-018.

3. THE DUCT LAYOUT SHOWN IS TYPICAL ONLY. WHERE DUCTS ARE RESERVED FOR FUTURE USE DUCT PLUGS SHALL BE FITTED TO EACH DUCT IN ACCORDANCE WITH MCDRW 1530.

4. THE FINAL LOCATION AND LAYOUT OF THE EQUIPMENT CABINET PLINTH, CHAMBERS, DUCT LAYOUT, EARTH ELECTRODE SYSTEM AND MINI-PILLAR SHALL BE DESIGNED TO SUIT LOCAL TOPOGRAPHY.

5. THE EARTH ROD AND EARTH INSPECTION CHAMBER ARE TO BE INSTALLED AND TESTED IN ACCORDANCE WITH ETCI REGULATIONS, ET101 AND BS 7430 "CODE OF PRACTICE FOR EARTHING".

6. THE EARTH ELECTRODE AND EARTH PIT IS TO BE CONNECTED TO THE MINIMI-PILLAR BY A 50MM PVC DUCT, INSTALLED AT A MINIMUM 0.5M DEPTH AT A MINIMUM DISTANCE OF 3.6M AWAY FROM THE PLINTH.

7. HANDRAIL ONLY REQUIRED ON EMBANKMENT OR ADJACENT TO LOCAL HAZARD. HANDRAIL TO BE 1100mm HIGH IN ACCORDANCE WITH BS 6180 AND BS 5395 PART 3. FOOTING TO BE EITHER BOLTED OR ROOTED, AS DETERMINED BY SITE CONDITIONS. REFER TO DRAWINGS RCD/1500/022 & 023

8. THE HANDRAIL SHALL BE GALVANISED STEEL TUBES TO BS 1387 DN 40 MEDIUM SERIES WITH 90 DIA. BALLS OR KEY CLAMPED SOCKETS EITHER CAST INTO BASE OR BOLTED DOWN WITH 2 NO. M16 GALVANISED STEEL ANCHOR PER BASE PLATE.

9. THE DUCT IN THE CABINET SHALL EXTEND 50mm ABOVE THE FINISHED LEVEL OF THE CONCRETE PLINTH AND SHALL BE ALIGNED WITH THE DUCT OPENINGS OF THE EQUIPMENT CABINET GLAND PLATES.

10. MECHANICAL DUCT PLUGS SHALL BE FITTED TO ALL DUCTS FOLLOWING CONSTRUCTION OF THE EQUIPMENT CABINET PLINTH IN ACCORDANCE WITH MCDRW CLAUSE 1530 AND DRAWING RCD/1500/014.

NOT TO SCALE

TII PUBLICATION NUMBER: CC-SCD-01508