

SURVEY BEACON DETAILS

SURVEY BEACON DETAILS: LIST OF DRAWINGS

- DT 01/SB SURVEY POINTS IN ROAD SURFACE..
- DT 02/SB CONTROL BEACON ON ROCK.
- DT 03/SB SURVEY POINT IN OPEN FIELD.
- DT 04/SB LEVELING PIN AGAINST BUILDING
- DT 05/SB SURVEY BASE STATION.
- DT 06/SB SURVEY POINT IN CONCRETE.



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Tel (012) 337 2000

departmental
DIAGRAMMATIC CIVIL
ENGINEERING DETAILS
FOR DOLOMITIC SOILS

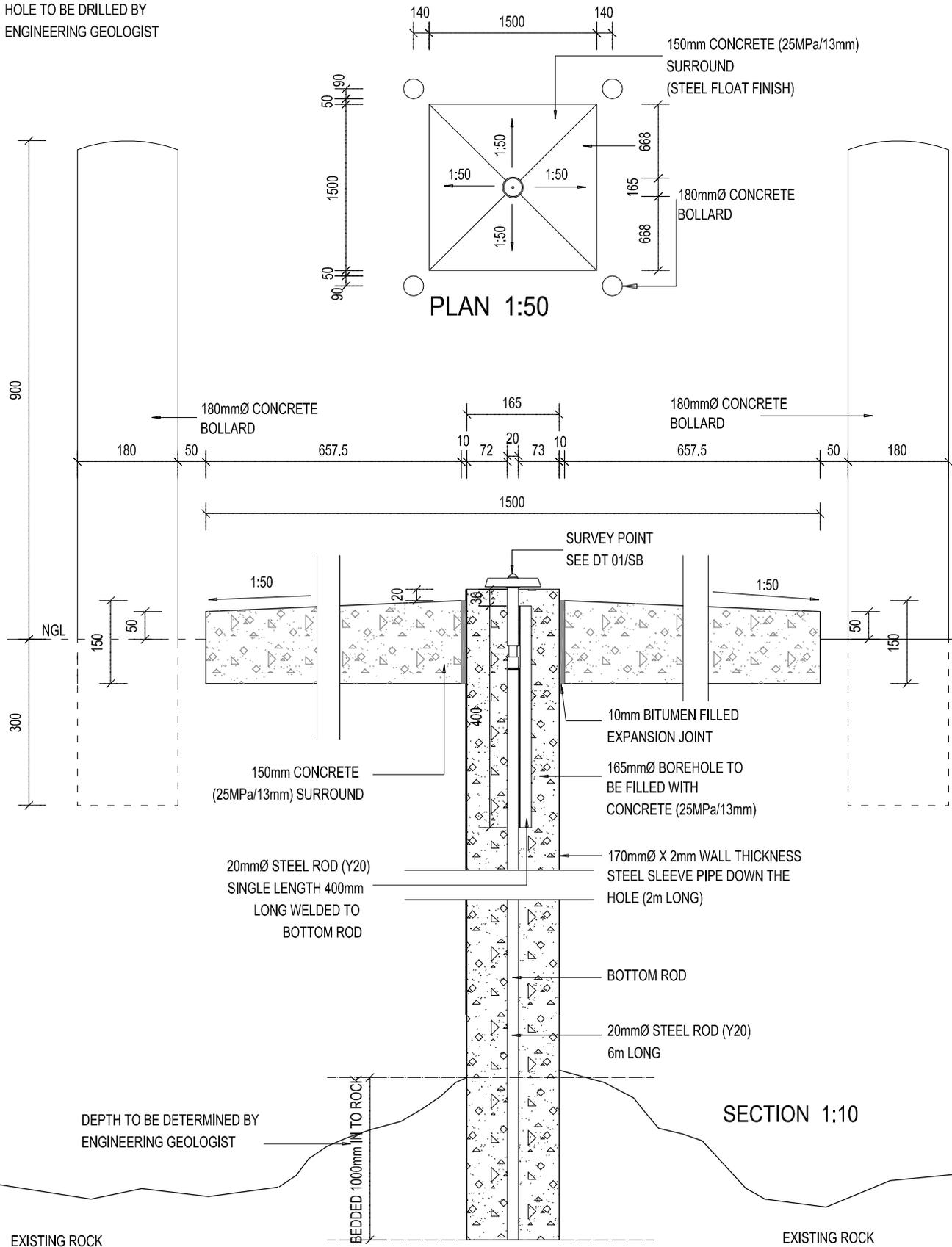
title
DRAWING LIST.

scale
.

date
2017/09/30

drawing number / type number
TYPE NO DT 00/SB

NOTE:
HOLE TO BE DRILLED BY
ENGINEERING GEOLOGIST



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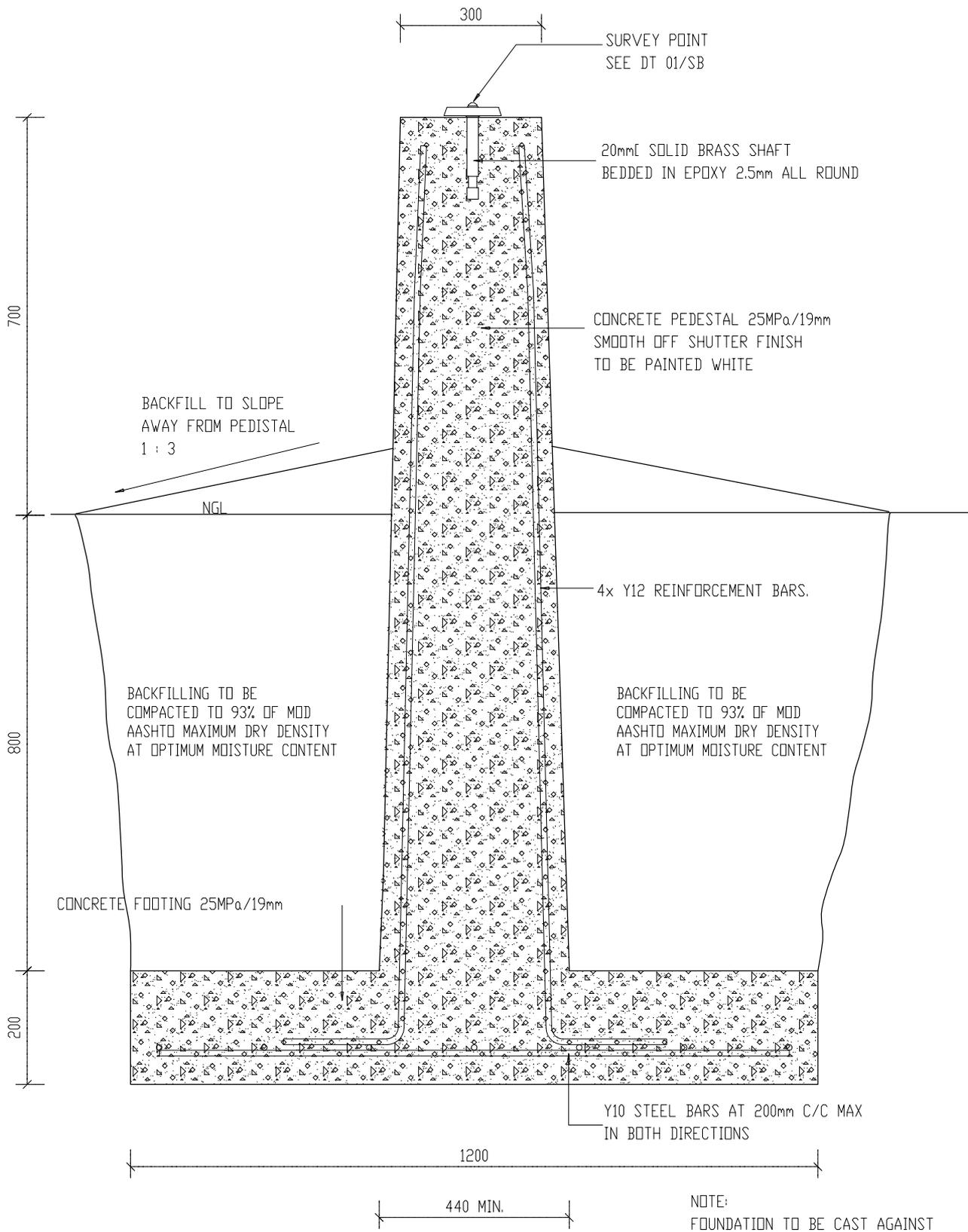
departmental
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ENGINEERING DETAILS
FOR DOLOMITIC SOILS.

title
CONTROL BEACON
ON ROCK

scale
1:10
1:50

date
2017/09/30

drawing number / type number
TYPE NO DT 02/SB



NOTE:
FOUNDATION TO BE CAST AGAINST
NATURAL UNDISTURBED SOIL TO
ENGINEERS APPROVAL



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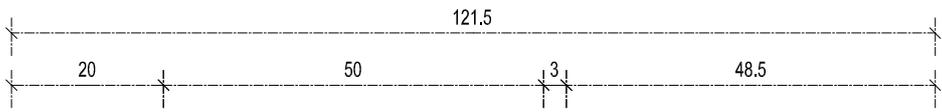
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FOR DOLOMITIC SOILS.

title
SURVEY POINT
IN OPEN FIELD

scale
1 : 5

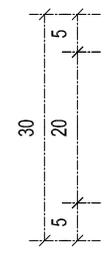
date
2017/09/30

drawing number / type number
TYPE NO DT 03/SB



121.50mm LONG BY 20mmØ
SOLID BRASS MACHINED
LEVELING PIN

30mm MACHINED SOLID BRASS
LEVELING POINT WITH
ROUNDED EDGES



50mmØ X 3mm SOLID BRASS
FLANGE WELDED TO PIN

EXISTING PLASTER

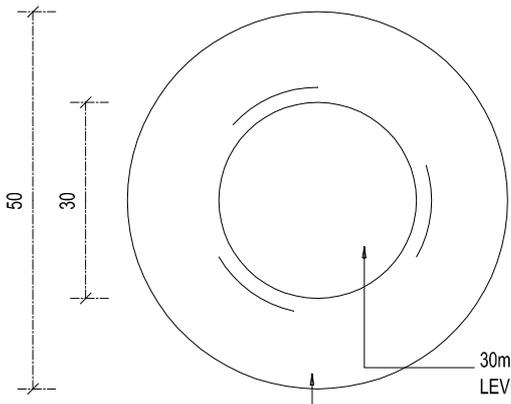
EXISTING BRICK
WALL

4mm X 20mmØ MACHINED
GROOVES CUT INTO PIN

HOLE DRILLED INTO BRICK WALL
ALLOW FOR 3mm EPOXY ALL
AROUND THE PIN

EXISTING BRICK
WALL

EXISTING BRICK
WALL



30mmØ MACHINED SOLID BRASS
LEVELING POINT WITH
ROUNDED EDGES

50mmØ X 3mm SOLID BRASS
FLANGE WELDED TO PIN

FRONT ELEVATION
SCALE 1:1



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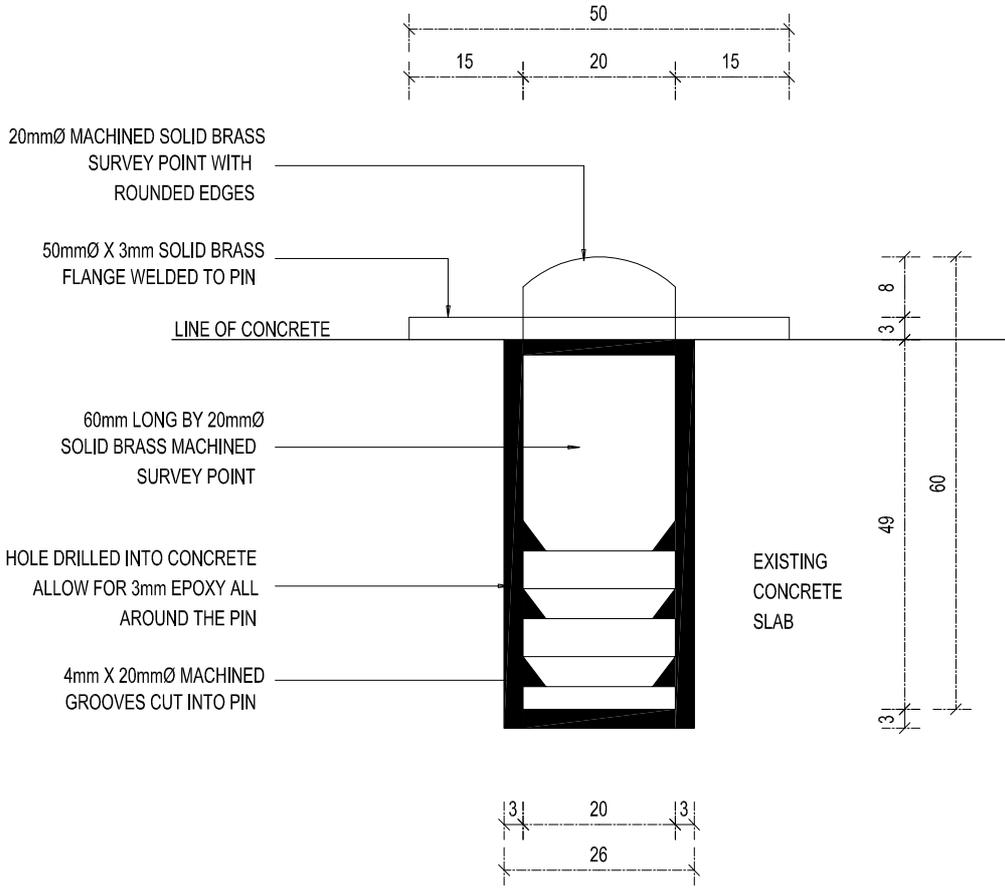
departmental
DIAGRAMMATIC CIVIL
ENGINEERING DETAILS
FOR DOLOMITIC SOILS.

title
LEVELING PIN
AGAINST BUILDING

scale
1:1

date
2017/09/30

drawing number / type number
TYPE NO DT 04/SB



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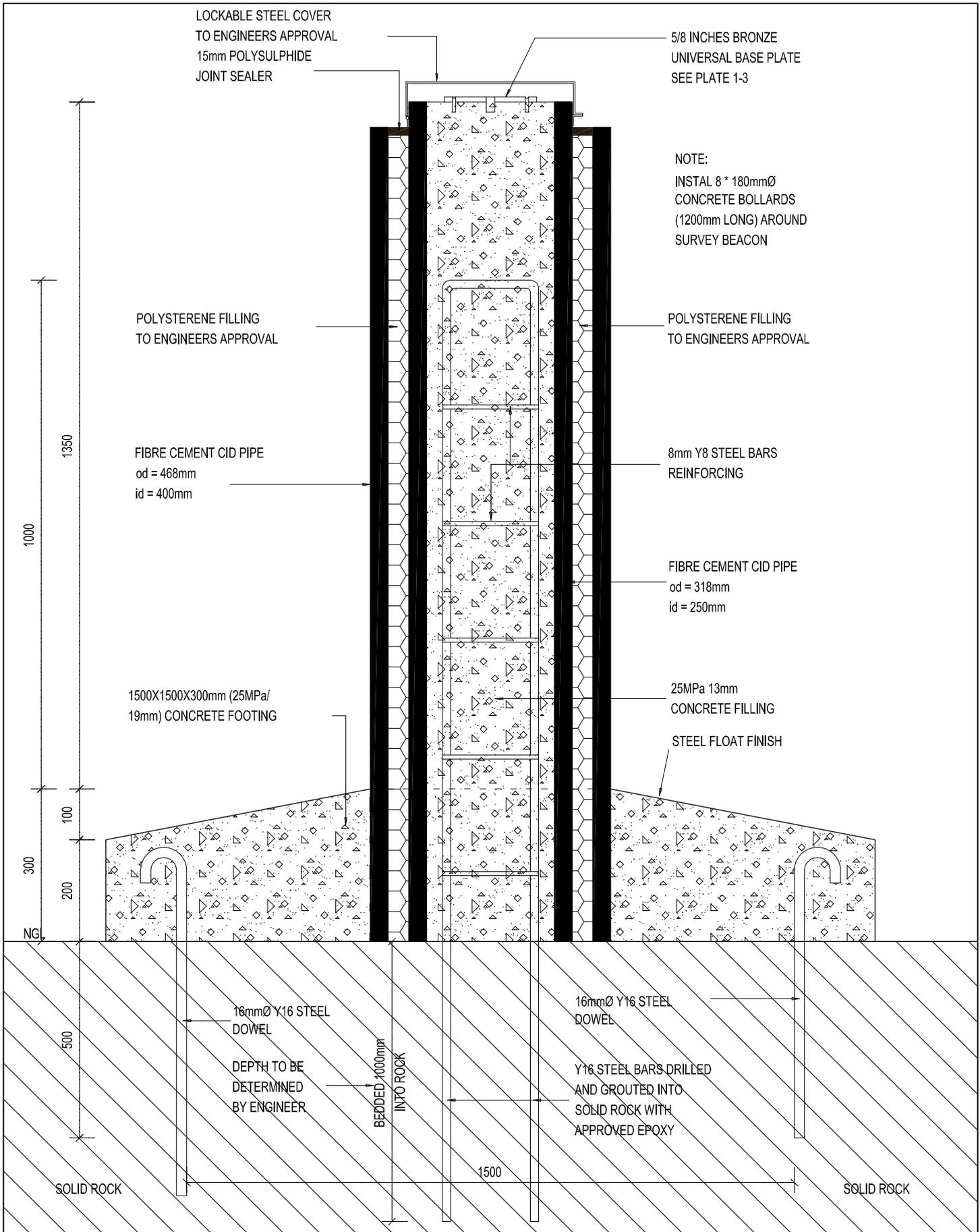
departmental
DIAGRAMMATIC CIVIL
ENGINEERING DETAILS
FOR DOLOMITIC SOILS.

title
SURVEY POINT
IN CONCRETE

scale
1:1

date
2017/09/30

drawing number / type number
TYPE NO DT 06/SB



LOCKABLE STEEL COVER
TO ENGINEERS APPROVAL
15mm POLYSULPHIDE
JOINT SEALER

5/8 INCHES BRONZE
UNIVERSAL BASE PLATE
SEE PLATE 1-3

NOTE:
INSTAL 8 * 180mmØ
CONCRETE BOLLARDS
(1200mm LONG) AROUND
SURVEY BEACON

POLYSTERENE FILLING
TO ENGINEERS APPROVAL

POLYSTERENE FILLING
TO ENGINEERS APPROVAL

FIBRE CEMENT CID PIPE
od = 468mm
id = 400mm

8mm Y8 STEEL BARS
REINFORCING

FIBRE CEMENT CID PIPE
od = 318mm
id = 250mm

1500X1500X300mm (25MPa/
19mm) CONCRETE FOOTING

25MPa 13mm
CONCRETE FILLING

STEEL FLOAT FINISH

16mmØ Y16 STEEL
DOWEL

16mmØ Y16 STEEL
DOWEL

DEPTH TO BE
DETERMINED
BY ENGINEER

Y16 STEEL BARS DRILLED
AND GROUTED INTO
SOLID ROCK WITH
APPROVED EPOXY

BEDDED 1000mm
INTO ROCK

SOLID ROCK

SOLID ROCK



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DIAGRAMMATIC CIVIL
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FOR DOLOMITIC SOILS.

title

SURVEY
BASE STATION

scale

1:10

date

2017/09/30

drawing number / type number

TYPE NO DT 05/SB