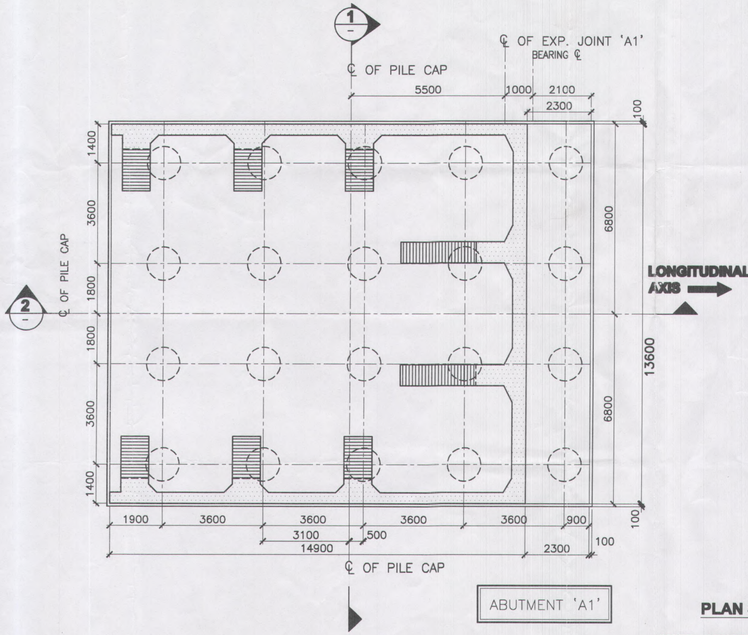
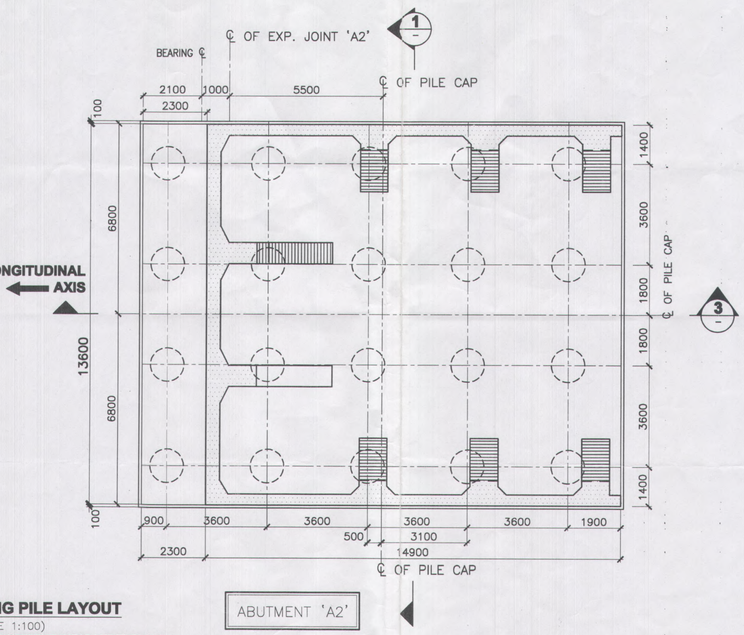
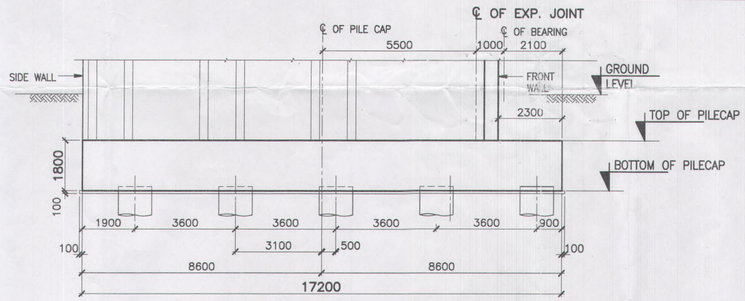
DFCC DRG. NO.: SURAT/DFC/D/WC-ST/MB-658/2014





PLAN SHOWING PILE LAYOUT
(SCALE 1:100)
(NOTE:- ABUTMENT ARRANGEMENT INDICATIVE ONLY)



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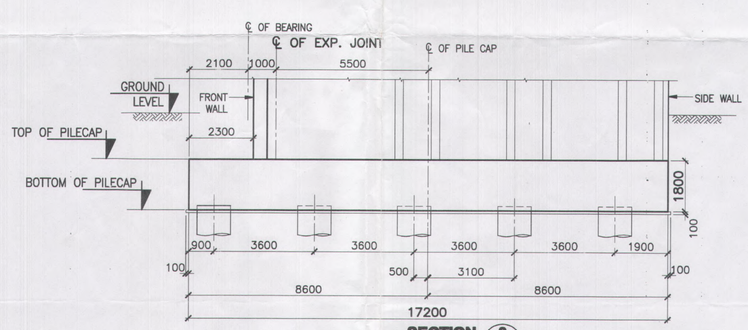

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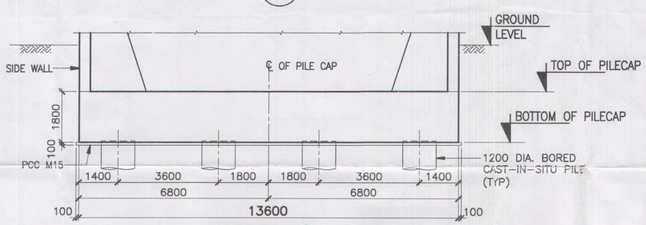
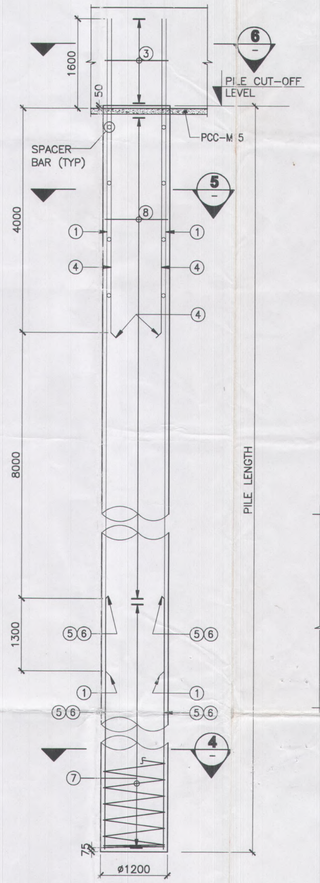
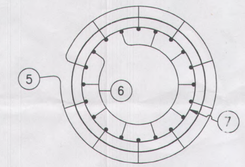


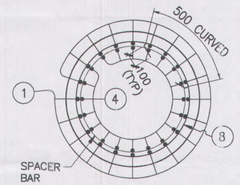
SECTION 1
SCALE 1:100



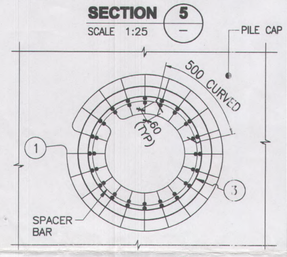
REINFORCEMENT DETAIL OF PILE FOR ABUTMENT 'A1' & 'A2'
(SCALE 1:50)



SECTION 4
SCALE 1:25



SECTION 5
SCALE 1:25



SECTION 6
SCALE 1:25
(PILE CAP REINF. NOT SHOWN FOR CLARITY)

SCHEDULE OF PILE REINF. FOR ABUTMENT 'A1' & 'A2'

BAR NO.	DESCRIPTIONS	SHAPE
1	20-Y25	
2	NOT USED	
3	Y10@240 c/c	
4	20-Y32	
5	10-Y20	
6	10-Y16	
7	Y10 @240 c/c	
8	Y16 @140 c/c	

LOCATION	PILE CAP BOTTOM LEVEL (m)	PILE TIP LEVEL (m)	PILE LOAD NORMAL CASE
ABUTMENT 'A1'	181.350	152.646	370 T
ABUTMENT 'A2'	181.350	154.166	370 T

R2

NO. OF PILE REQUIRED FOR ABUTMENT ALONE - 16
NO. OF PILE REQUIRED FOR RETURN WALL - 4

/405/657/05/
CONTROLLED COPY
Signature
Date 5/6/14 11.06.14
CRE CPM

GENERAL NOTES:

1. ALL DIMENSION ARE IN MILLIMETERS & LEVELS ARE IN METERS UOS.
2. CONCRETE SHALL BE DESIGN MIX AND HAVE MINIMUM 28 DAYS FOLLOWING CHARACTERISTIC STRENGTH OF 40MPa ON 150mm CUBES.
3. MINIMUM CLEAR COVER TO ANY REINFORCEMENT SHALL BE 75mm UNLESS OTHERWISE SPECIFIED.

REFERENCE DRAWING:

1. SOMA-DFCC-405-C-1001 GENERAL ARRANGEMENT
2. SOMA-DFCC-CD-C-1006 GENERAL NOTES FOR FOUNDATION, SUBSTRUCTURE AND MISCELLANEOUS WORKS

THIS DRAWING IS THE PROPERTY OF DEDICATED FREIGHT CORRIDOR CORPORATION

REV.	PARTICULARS	DRN.	CHD.	VER.	DATE
R2	AS MARKED & AS PER PER DFCC's LTR.NO.ST/EN/Soma/DD/VOL.VI/66 DTD. 19.09.2014	AM	SKH	NG	01.02.14
R1	AS MARKED.	KS/TS	SKH	NG	29.01.13

CONTRACTOR REVISION NO.

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PROOF CONSULTANTS : STUP Consultants Pvt. Ltd.

OFFICE OF ORIGIN

PM/Dy CPM	CPM	TCPL	PMC	SEL
6.6.14	11.06.14			01.03.2014

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CHECKED BY: KPS
VERIFIED BY: TVPK
DATE OF ISSUE: 01.10.2011

CLIENT: DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT : WESTERN FREIGHT CORRIDOR : MAJOR BRIDGES BETWEEN VAITARNA AND UTRAN ON VASAI - BHARUCH SECTION

BRIDGE NO. : BRIDGE NO. 160 OF SURAT UNIT (EXT BRIDGE NO-405)

DRAWING TITLE : PILE LAYOUT AND PILE REINFORCMENT FOR ABUTMENT- 'A1' & 'A2'

DRG.NO. SOMA-DFCC-405-C-1102 | REV. 2 | SCALE : AS SHOWN | STATUS : APPROVAL

STRUCTURAL

Feb 28, 2014 — 10:42am