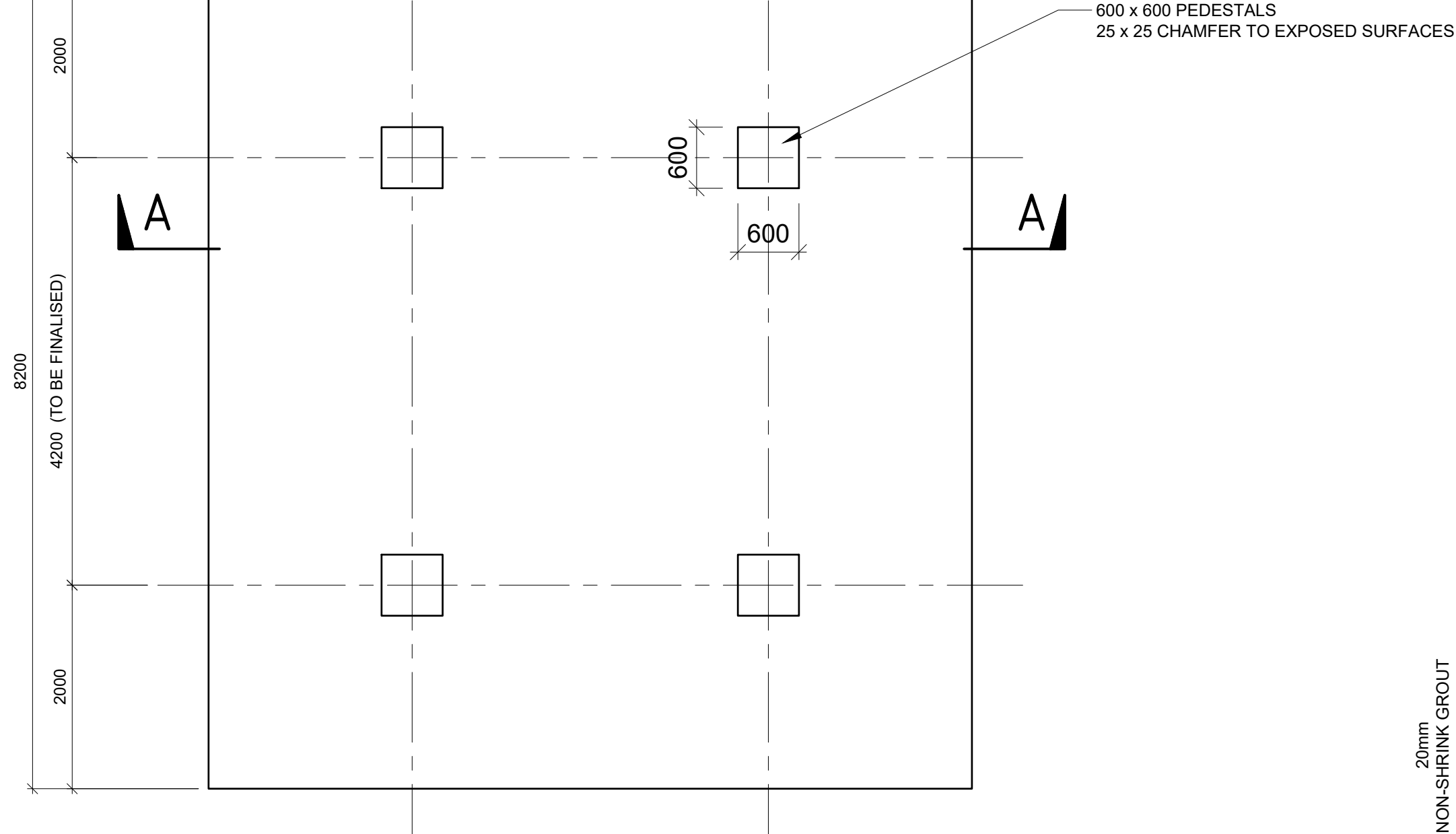
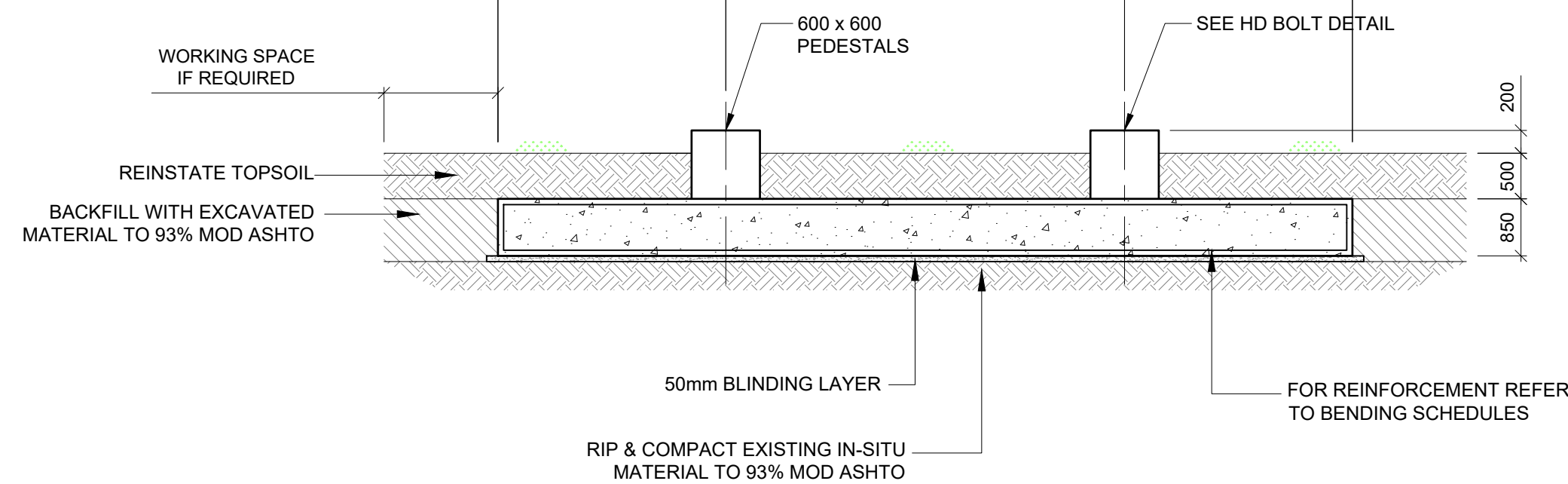
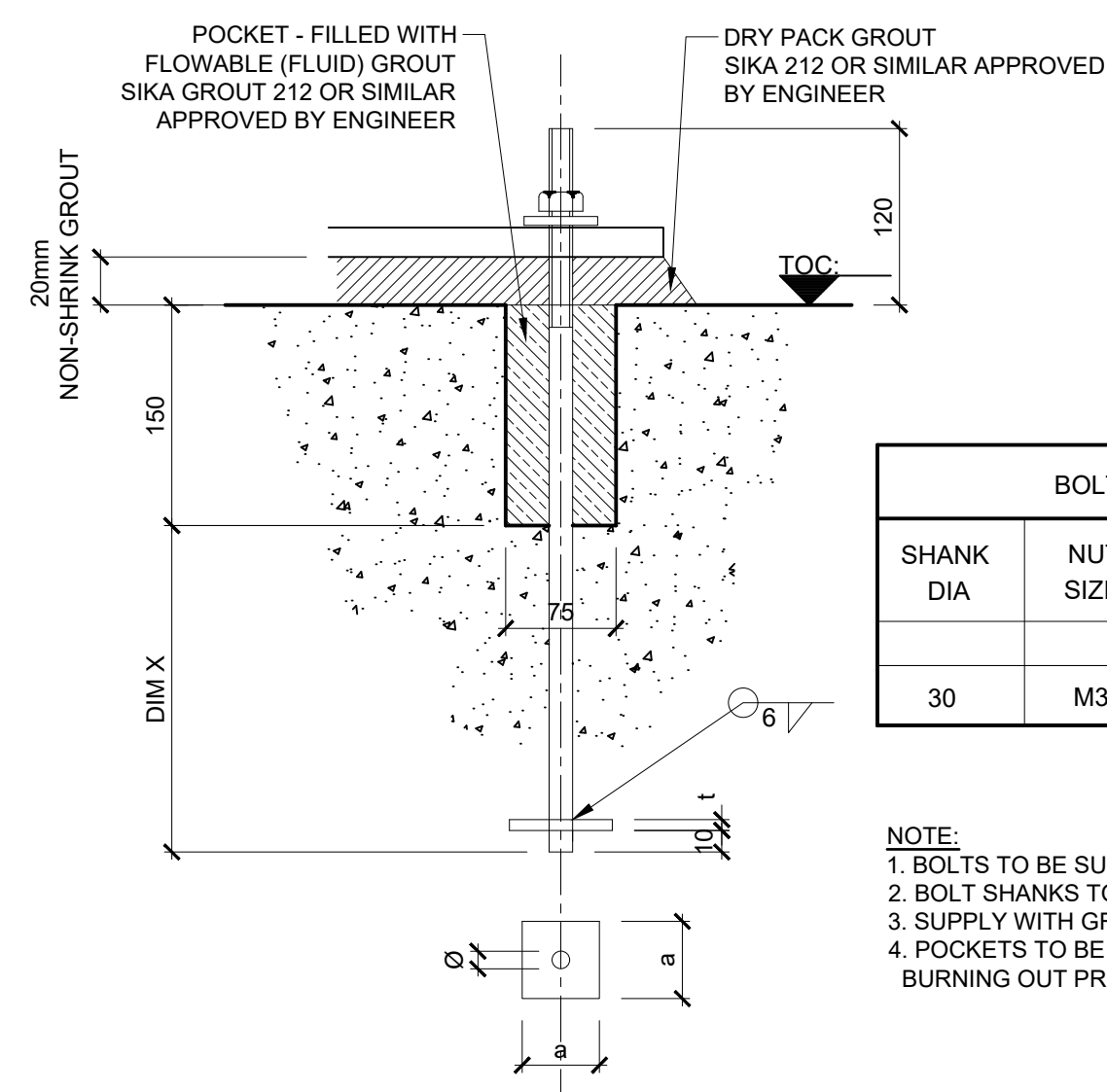




PLAN ON BASE
SCALE 1:50



SECTION A-A
SCALE 1:50



BOLT			ANCHOR PLATE		
SHANK DIA	NUT SIZE	DIM X	SIZE	THICK-NESS	HOLE DIA.
			a	t	Ø
30	M30	480	110	14	32

NOTE:

1. BOLTS TO BE SUPPLIED TOGETHER WITH BASE TEMPLATES.
2. BOLT SHANKS TO BE DEGREASED BEFORE CASTING IN.
3. SUPPLY WITH GRADE 4 HEX NUT AND FLAT ROUND WASHER.
4. POCKETS TO BE CLEANED OUT BY SCRAPING AND/OR BURNING OUT PRIOR TO INSTALLING COLUMN.

TYPICAL H.D. BOLT DETAIL
(TO BE SET-UP BY THE MAIN CONTRACTOR)
SCALE 1:5

CONCRETE WORK

FORMWORK

1. BASE TO BE CAST AGAINST SIDES OF EXCAVATION U.N.O
(ROUGH FORMWORK TO SIDES OF BASES IF REQUIRED)
2. SMOOTH FORMWORK TO ALL EXPOSED CONCRETE SURFACES.
3. FORMWORK RELEASE OILS TO COLUMNS AND SLABS TO RECEIVE PLASTER TO BE
WATER BASED VEGETABLE OILS.
4. STRIPPING TIMES: (PROPPING SHALL BE IN ACCORDANCE WITH SANS 1200-G)
- 4.1 FORMWORK:
COLUMN AND BEAM SIDES : 2 DAYS
- 4.2 ALL OF THE ABOVE PROP REMOVAL ALLOWANCES ARE SUBJECT TO THE REVIEW OF
THE 7 DAY CONCRETE CUBE RESULTS.
5. NO BRICKWORK MAY BE BUILT ON SUSPENDED SLABS UNTIL ALL THE PROPS HAVE BEEN
REMOVED.
6. CONSTRUCTION TOLERANCE TO BE DEGREE OF ACCURACY AS PER SANS 1200-G UNLESS
SPECIFIED DIFFERENTLY IN THE SPECIFICATIONS.

REINFORCEMENT

1. ALL REINFORCEMENT SHALL COMPLY WITH SABS 920.
2. REINFORCEMENT AS PER BENDING SCHEDULES.
3. NO RE-BENDING, CUTTING OR WELDING OF REINFORCEMENT ON SITE WITHOUT PRIOR APPROVAL OF THE ENGINEER.
4. THE CONTRACTOR SHALL INSPECT ALL REINFORCEMENT PRIOR TO REQUESTING THE ENGINEER TO INSPECT THE REINFORCEMENT.
5. MINIMUM COVER REQUIREMENTS (NOTE: MEASURED TO STIRRUPS IN COLUMNS)
SEE REINFORCEMENT DRAWINGS FOR COVER TO INDIVIDUAL ELEMENTS:
 - 5.1 BASES : 50mm
 - 5.2 COLUMNS : 40mm

CONCRETE

1. ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OS SANS 1200-G, SANS 10100 PARTS 1 & 2.
- 1.1 CONCRETE CUBE STRENGTHS AT 28 DAYS
- 1.2 MASS CONCRETE AND BLINDING
10MPa/19mm
- 1.3 BASES
30MPa/19mm
- 1.4 NO ADMIXTURES ARE ALLOWED IN THE CONCRETE UNLESS APPROVED BY THE ENGINEER.
2. CURING
- 2.1 ALL CONCRETE WET CURED FOR 7 DAYS FROM DATE OF CASTING.
1. UNFORMED SURFACES:
- 3.1 SURFACE BED : WOOD PAN POWER FLOAT
- 3.2 ROOF SLAB: WOOD PAN POWER FLOAT
- 3.3 AREAS TO RECEIVE SCREEDS : STRIKE OFF
- 3.4 AREAS TO RECEIVE FINISHES FIXED DIRECTLY TO THE CONCRETE :
STEEL POWER FLOAT OR STEEL TROWEL
- 3.5 TOP OF WALLS : STEEL TROWEL

ZUTARI
IMPACT. ENGINEERED.



DISCLAIMER
IF CONSTRUCTION
DRAWINGS ARE
ISSUED UNSIGNED,
THE MASTER WITH
THE ORIGINAL
SIGNATURE OF
APPROVAL WILL BE
HELD AT THE
ZUTARI OFFICE OF
THE APPROVER

[illegible]

SCALE	SIZE
AS SHOWN	A1
DRAWN	
R. FLACK	
DESIGNED	
K. ROUTLEDGE	
REVIEWED	
C. PUREN	

PROJECT	GILL MARCUS WTW ELEVATED WATER TOWER AND PIPELINE					
TITLE	217L ELEVATED WATER TOWER (7.32 x 6.1 x 4.88) FOUNDATION DETAILS					
DRAWING No.	PROJECT No.	WBS	TYPE	DISC	NUMBER	REV
	A97131	02	DRG	SS	002	A