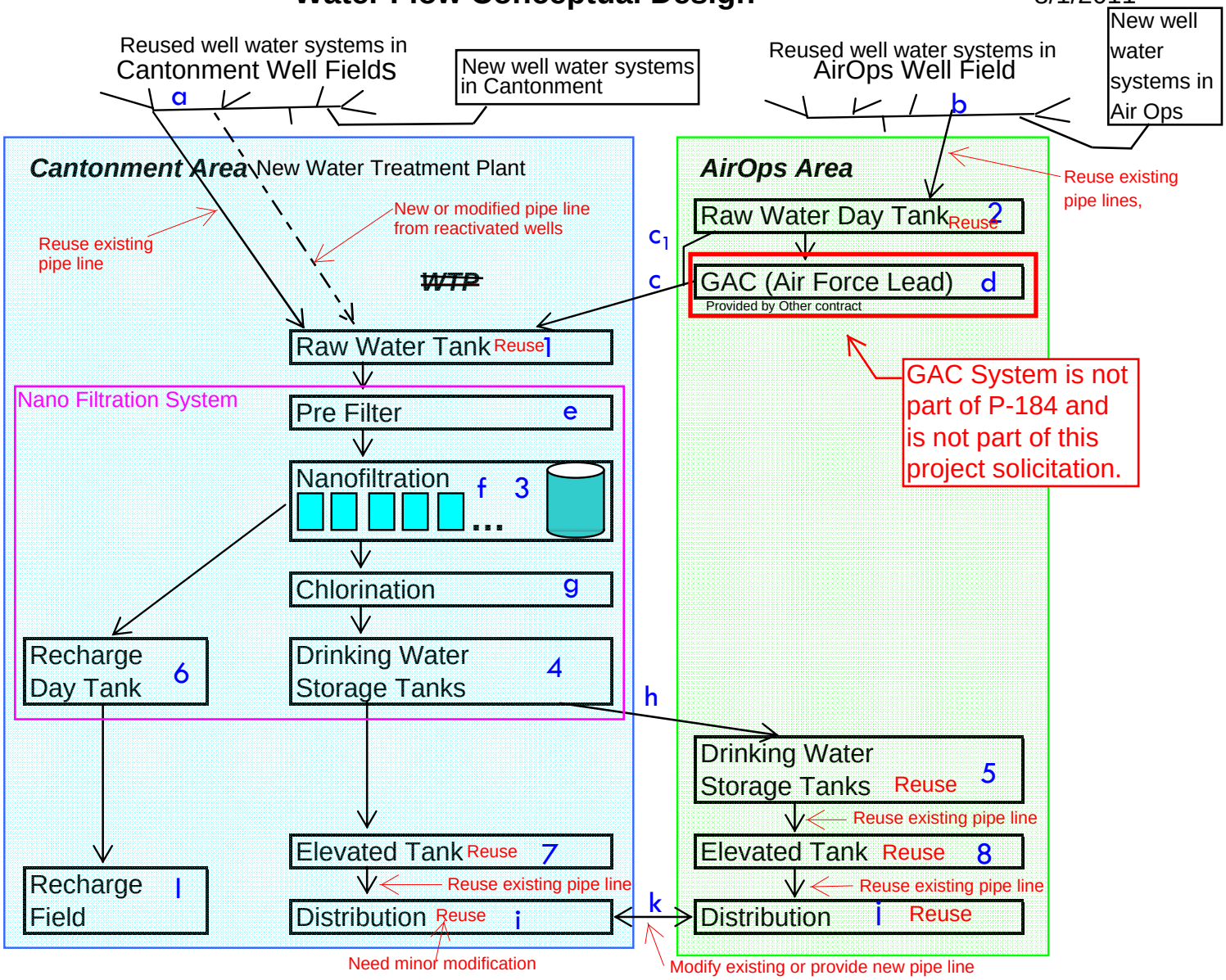
PART 6

ATTACHMENT

Potable Water Plant Modernization,
U. S. Navy Support Facility, Diego Garcia
(WO# CZTXZ)

Water Flow Conceptual Design

8/1/2011



NOTE-1: All items in blue rectangle are defined as new water treatment plant.

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NOTE-2: All items in pink rectangle are defined as new nano filtration system.

NOTE-3: Reused Well system includes wells to be reactivated.

NOTE-4: Well, well pump, module tank, transfer station, and related apparatus are defined as well water system.

NOTE-5: All item in green rectangle are defined as water Relay Plant.

Controls of Base Contract

New supervisory control panel shall have controls, alarms, and tell-tales functions to new water treatment plant.

SCADA system shall have all functions, same function as existing, to following facilities;

1) reused well water systems in Cantonment and Air Ops well fields,

2) new well water systems in Cantonment and Air Ops well fields; and

3) Raw water day tank, dirinking water storage tanks, elevated tank, and distribution in Air Ops Area.

Controls of Option-1

SCADA system shall have all functions to control/alarm/ monitoring to

1) new water treatment plant designed by contractor; and all functions indicated in conceptual drawing 11-0256, to following facilities;

2) Reused well water systems in Cantonment and Air Ops well fields,

3) New well water systems in Cantonment and Air Ops well fields; and

4) Raw water day tank, drinking water storage tanks, Elevated tank, and distribution in Air Ops Area.

Water Flow Conceptual Design

8/1/2011

	Line or Process Rate	Current Capacity		Mid Capacity		Contingency Capacity		Pre Construction	
		1k Gal/day	Gal/min	1k Gal/day	Gal/min	1k Gal/day	Gal/min	1k Gal/day	Gal/min
	Total Distribution Capacity	**600**	**420**	**900**	**630**	**1,200**	**830**	**600**	**420**
	Total Water from Wells	**715**	**500**	**1,075**	**750**	**1,430**	**1,000**	**600**	**420**
a	Cantonment Well Field	715	500	875	560	890	620	560	390
b	AirOps Well Field	-	-	200	140	540	380	40	30
c	Raw Water Transfer	-	-	200	140	540	380	NA	
c_1	AirOps GAC Bypass*	-	-	200	140	-	-	NA	
d	GAC Water Treatment*	-	-	-	-	540	380	NA	
e	Pre Filter	715	500	1,075	750	1,430	990	NA	
f	Nanofiltration	715	500	1,075	750	1,430	990	NA	
g	Chlorination	600	420	900	630	1,200	830	600	420
h	Drinking Water Transfer	0 or 40	30	250	170	450	310	-	-
i	Distribution Cantonment	560	390	650	450	750	520	560	390
j	Distribution AirOps	40	30	250	170	450	310	40	30
k	Distribution Connection	40 or 0	30	-	-	-	-	-	-
l	Recharge Field	115	80	175	120	230	160	NA	

* Water from non-contaminated wells will bypass GAC system while water from contaminated wells is not needed to meet total required. When water from contaminated wells is used all water will be GAC treated.

	Water Tanks	1,000 Gal
1	Raw Water Tank Cantonment	
2	Raw Water Tank AirOps	
3	Nanofiltration Day Tank	
4	Water Tanks Cantonment	
5	Water Tanks AirOps	
6	Recharge Water Day Tank	
7	Elevated Tank Cantonment	
8	Elevated Tank AirOps	

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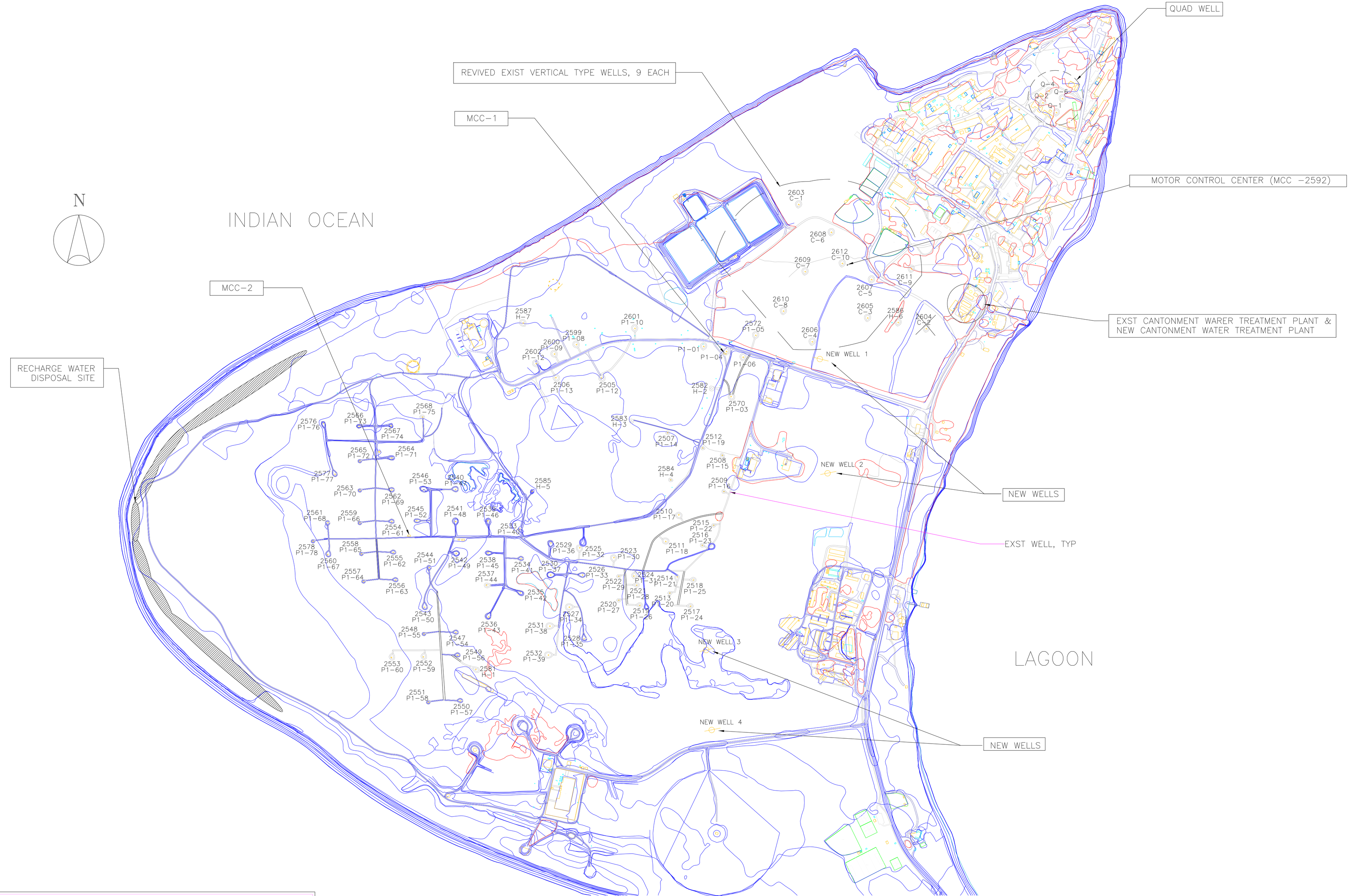


CONCEPT DRAWING

CANTONMENT SITE PLAN FOR NEW/EXST WELL

NOT TO SCALE

IF OUTSIDE BORDER IS LESS THAN 34"x22" USE GRAPHIC SCALE

NAVFACFE REVIEW/SUPV

ACQ DIR: | ELEC:
DSGNDIR: | CIVIL:
PDE/EIC: | FIRE PROT:
ARCH: | V-E:
STRUCT:
MECH:

NAVAL FACILITIES ENGINEERING COMMAND FAR EAST
DESIGN & ENGINEERING DEPT

DSGN SIMODA DATE 7/29/11 CHK SHIMODA
SUBMITTED BY TITLE DATE
FUNCTIONAL APPROVAL DATE
APPROVED DATE
EFD FOR COMMANDER, NAVFAC

SEAL AREA

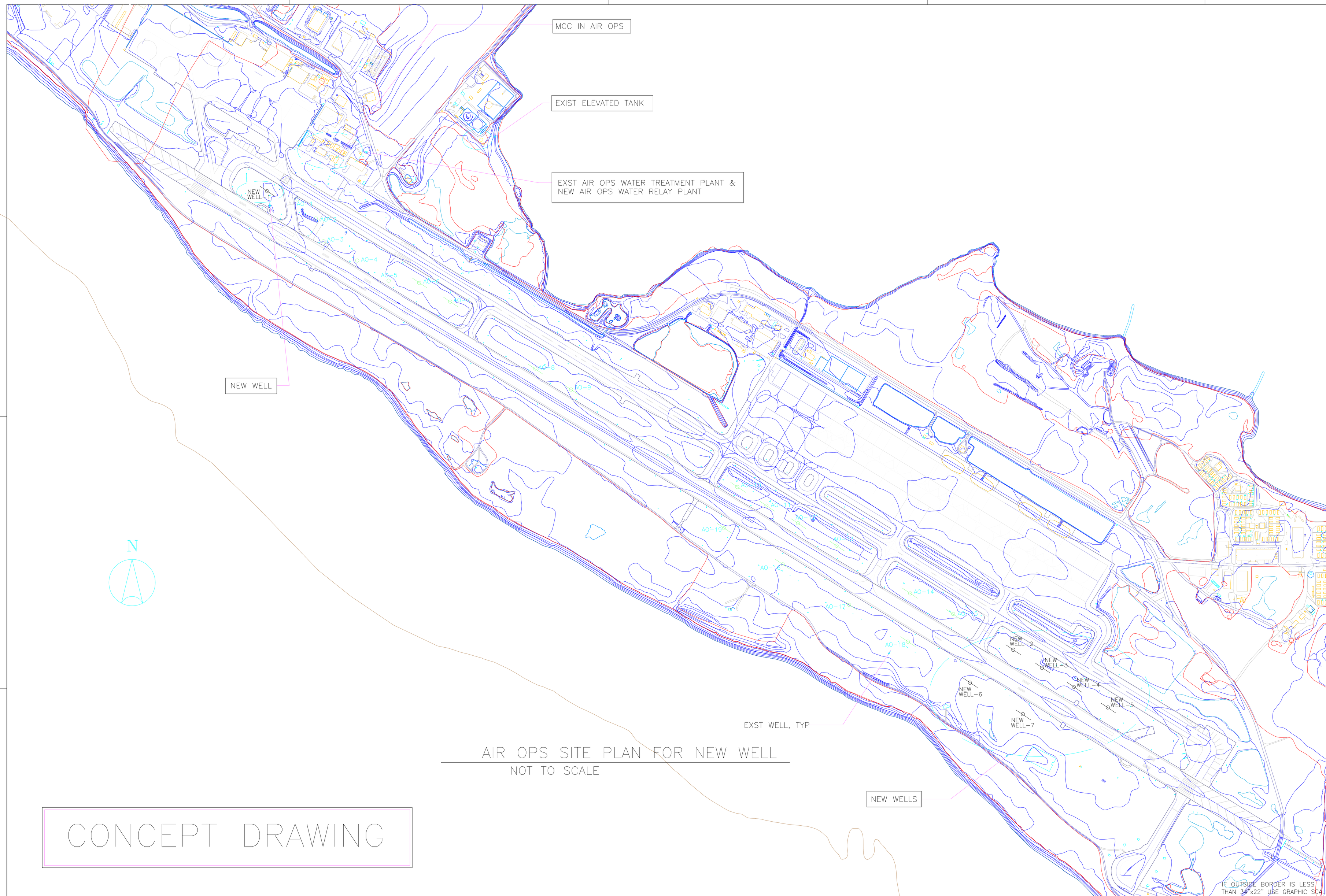
REVISIONS

LTR	DESCRIPTION	PREP BY	DATE	APPROVED

US NAVY SUPPORT FACILITY, DIEGO GARCIA,B.I.O.T

POTABLE WATER PLANT MODERNIZATION,
U.S. NAVY SUPPORT FACILITY, DIEGO GARCIA
CANTONMENT SITE PLAN FOR EXST/NEW WELL

CODE ID NO. 80091
DRAWING SIZE: D
CONSTR CONTR NO. N62836
SPEC 42
NAVFAC DRAWING NO.
SHEET 1 OF 6
ENG DWG NO. 11-0251
DIV NO. C1
WO # CZTXZ



AIR OPS SITE PLAN FOR NEW WELL

NOT TO SCALE

CONCEPT DRAWING

IF OUTSIDE BORDER IS LESS THAN 34"x22" USE GRAPHIC SCALE

LTR	DESCRIPTION	PREP BY	DATE	APPROVED
	REVISIONS			

NAVFACFE REVIEW/SUPV

ACQ DIR: ELEC:
DSGNDIR: CIVIL:
PDE/EIC: FIRE PROT:
ARCH: V-E:
STRUCT:
MECH:

NAVAL FACILITIES ENGINEERING COMMAND FAR EAST
DESIGN & ENGINEERING DEPT

DSGN SHAKOPEE DATE 7/29/11 CHK SHAKOPEE
SUBMITTED BY TITLE DATE

FUNCTIONAL APPROVAL DATE

APPROVED DATE
EFD FOR COMMANDER, NAVFAC

SEAL AREA

US NAVY SUPPORT FACILITY, DIEGO GARCIA,B.I.O.T

POTABLE WATER PLANT MODERNIZATION,
U.S. NAVY SUPPORT FACILITY, DIEGO GARCIA

AIR OPS SITE PLAN FOR NEW WELL

CODE ID NO. 80091

DRAWING SIZE: D

CONSTR CONTR NO.
N62836

SPEC 42

NAVFAC DRAWING NO.

SHEET 2 OF 6

ENG DWG NO. 11-0252

DIV NO. C2

WO # CZTXZ

EXST WATER TREATMENT PLANT PLOT PLAN AT CANTONMENT AREA

NOT TO SCALE

CONCEPT DRAWING

IF OUTSIDE BORDER IS LESS THAN 34"x22" USE GRAPHIC SCALE

NAVFACFE REVIEW/SUPV
ACQ DIR: ELEC:
DSGNDIR: CIVIL:
PDE/EIC: FIRE PROT:
ARCH: V-E:
STRUCT:
MECH:

LTR | DESCRIPTION | PREP BY | DATE | APPROVED

REVISIONS

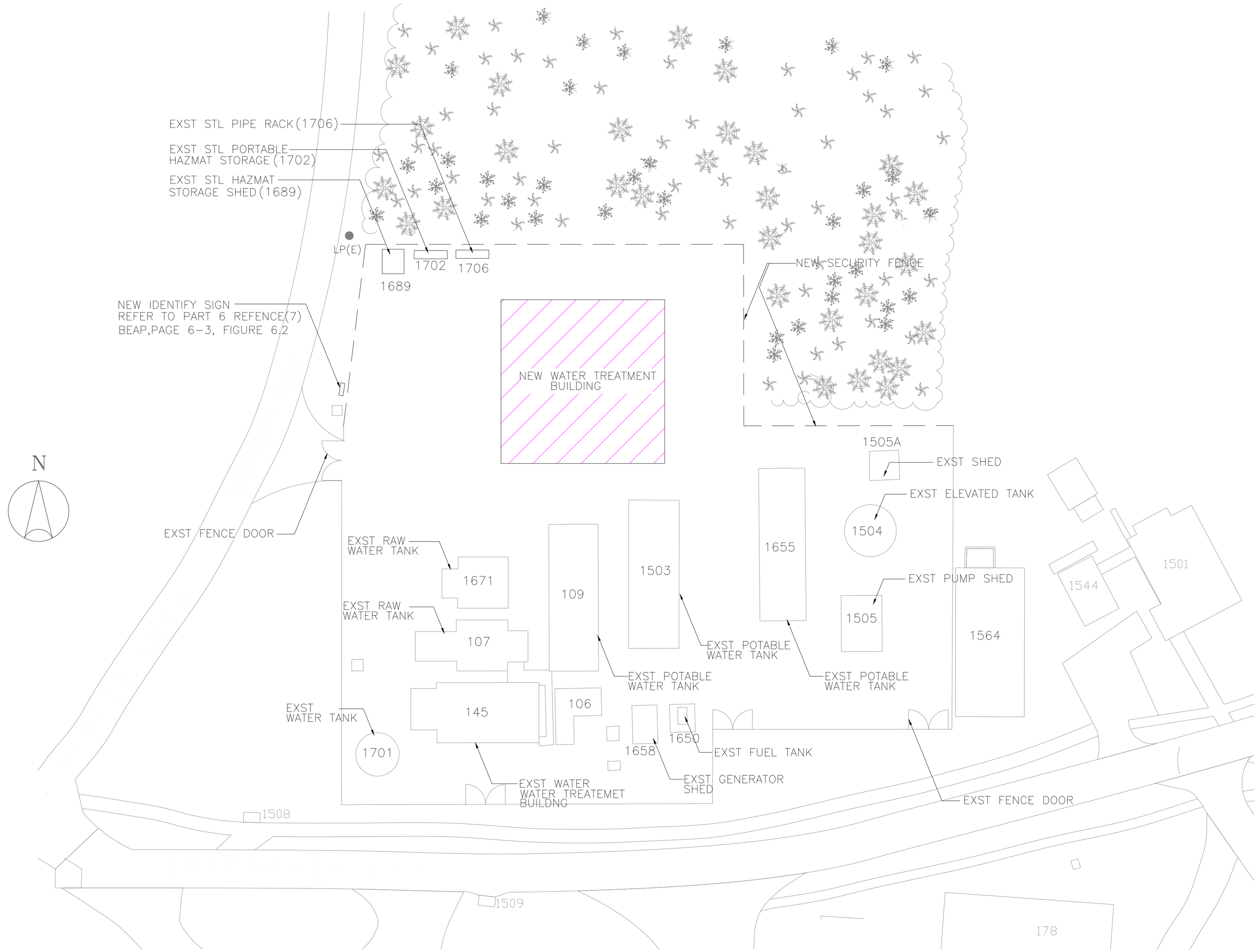
NAVAL FACILITIES ENGINEERING COMMAND FAR EAST
DESIGN & ENGINEERING DEPT
DSGN | DATE mm/dd/05 | CHK
SUBMITTED BY | TITLE | DATE
FUNCTIONAL APPROVAL | DATE
APPROVED | DATE
EFD FOR COMMANDER, NAVFAC

SEAL AREA

NAVFAC Naval Facilities Engineering Command
NAVFAC FAR EAST

US NAVY SUPPORT FACILITY, DIEGO GARCIA,B.I.O.T
POTABLE WATER PLANT MODERNIZATION,
U.S. NAVY SUPPORT FACILITY, DIEGO GARCIA
EXST WATER TREATMENT PLANT PLOT PLAN
AT CANTONMENT AREA

CODE ID NO. 80091
DRAWING SIZE: D
CONSTR CONTR NO.
NAVFAC DRAWING NO.
SHEET 3 OF 6
ENG DWG NO. 11-0253
DIV NO. C3
WO # CZTXZ



NEW WATER TREATMENT PLANT PLOT PLAN AT CANTONMENT AREA

NOT TO SCALE

CONCEPT DRAWING

LTR	DESCRIPTION	PREP BY	DATE	APPROVED
	REVISIONS			

NAVFACFE REVIEW/SUPV

ACQ DIR: ELEC:
DSGNDIR: CIVIL:
PDE/EIC: FIRE PROT:
ARCH: V-E:
STRUCT:
MECH:

NAVAL FACILITIES ENGINEERING COMMAND FAR EAST
DESIGN & ENGINEERING DEPT

DSGN DATE mm/dd/yyyy CHK DATE
SUBMITTED BY TITLE
FUNCTIONAL APPROVAL DATE
APPROVED DATE
EFD FOR COMMANDER, NAVFAC

SEAL AREA

US NAVY SUPPORT FACILITY, DIEGO GARCIA,B.I.O.T
POTABLE WATER PLANT MODERNIZATION,
U.S. NAVY SUPPORT FACILITY, DIEGO GARCIA
NEW WATER TREATMENT PLANT PLOT PLAN
AT CANTONMENT AREA

CODE ID NO. 80091
DRAWING SIZE: D
CONSTR CONTR NO.
NAVFAC DRAWING NO.
SHEET 4 OF 6
ENG DWG NO. 11-0254
DIV NO. C4

IF OUTSIDE BORDER IS LESS THAN 34"x22" USE GRAPHIC SCALE

WO # CZTXZ

EXST WATER TREATEMET BUILDNG PLOT PLAN AT AIR OPS AREA

NOT TO SCALE

CONCEPT DRAWING

LTR	DESCRIPTION	PREP BY	DATE	APPROVED
	REVISIONS			

NAVFACFE REVIEW/SUPV

ACQ DIR: ELEC:
DSGNDIR: CIVIL:
PDE/EIC: FIRE PROT:
ARCH: V-E:
STRUCT:
MECH:

NAVAL FACILITIES ENGINEERING COMMAND FAR EAST
DESIGN & ENGINEERING DEPT

DSGN KURIHARA DATE 7/29/11 CHK KURIHARA
SUBMITTED BY TITLE DATE
FUNCTIONAL APPROVAL DATE
APPROVED DATE
EFD FOR COMMANDER, NAVFAC

SEAL AREA

NAVFAC Naval Facilities Engineering Command NAVFAC FAR EAST

US NAVY SUPPORT FACILITY, DIEGO GARCIA,B.I.O.T
POTABLE WATER PLANT MODERNIZATION,
U.S. NAVY SUPPORT FACILITY, DIEGO GARCIA
EXST WATER TREATEMET BUILDNG PLOT PLAN
AT AIR OPS AREA

CODE ID NO. 80091
DRAWING SIZE: D
CONSTR CONTR NO.
NAVFAC DRAWING NO.
SHEET 5 OF 6
ENG DWG NO. 11-0255
DIV NO. C5

IF OUTSIDE BORDER IS LESS THAN 34"x22" USE GRAPHIC SCALE

WO # CZTXZ

SYSTEM COMPONENT	MCC	PUMP READY	PUMP FAIL	PUMP ON AUTO	START PUMP	STOP PUMP	PUMP STATUS	LEVEL	FLOW RATE	FLOW TOTALIZER	CONDUCTIVITY	STATUS (ALARM)	VALVE EMA READY	VALVE EMA OPEN	VALVE EMA CLOSE	VALVE STATUS (OPEN–CLOSED)	FLOW SWITCH STATUS	STANDBY GENERATOR STATUS
CANTONMENT WATER SUPPLY SYSTEM																		
MODULE A																		
TANK								X										
P2-1	1	X	X	X	C	C	X											
P2-2	1	X	X	X	C	C	X											
FLOW METER									X	X								
WELL AND WELL PUMPS																		
PI-1	1	X	X	X	C	C	X	X	X	X	X							
P1-3	1	X	X	X	C	C	X	X	X	X	X							
P1-4	1	X	X	X	C	C	X	X	X	X	X							
P1-5	1	X	X	X	C	C	X	X	X	X	X							
P1-6	1	X	X	X	C	C	X	X	X	X	X							
P1-7	1	X	X	X	C	C	X	X	X	X	X							
MODULE B																		
TANK								X										
P2-3	1	X	X	X	C	C	X											
P2-4	1	X	X	X	C	C	X											
FLOW METER									X	X								
WELL AND WELL PUMPS																		
P1-2	1	X	X	X	C	C	X	X	X	X	X							
MODULE C																		
TANK								X										
P2-5	1	X	X	X	C	C	X											
P2-6	1	X	X	X	C	C	X											
FLOW METER									X	X								
WELL AND WELL PUMPS																		
P1-8	1	X	X	X	C	C	X	X	X	X	X							
P1-9	1	X	X	X	C	C	X	X	X	X	X							
P1-10	1	X	X	X	C	C	X	X	X	X	X							
P1-11	1	X	X	X	C	C	X	X	X	X	X							
P1-12	1	X	X	X	C	C	X	X	X	X	X							
P1-13	1	X	X	X	C	C	X	X	X	X	X							
MODULE D																		
TANK								X										
P2-7	1	X	X	X	C	C	X											
P2-8	1	X	X	X	C	C	X											
FLOW METER									X	X								
WELL AND WELL PUMPS																		
P1-14	1	X	X	X	C	C	X	X	X	X	X							
P1-15	1	X	X	X	C	C	X	X	X	X	X							
P1-16	1	X	X	X	C	C	X	X	X	X	X							
P1-17	1	X	X	X	C	C	X	X	X	X	X							
P1-18	1	X	X	X	C	C	X	X	X	X	X							
P1-19	1	X	X	X	C	C	X	X	X	X	X							
MODULE E																		
TANK								X										
P2-9	1	X	X	X	C	C	X											
P2-10	1	X	X	X	C	C	X											
FLOW METER									X	X								
WELL AND WELL PUMPS																		
P1-20	1	X	X	X	C	C	X	X	X	X	X							
P1-21	1	X	X	X	C	C	X	X	X	X	X							
P1-22	1	X	X	X	C	C	X	X	X	X	X							
P1-23	1	X	X	X	C	C	X	X	X	X	X							
P1-24	1	X	X	X	C	C	X	X	X	X	X							
P1-25	1	X	X	X	C	C	X	X	X	X	X							
MODULE F																		
TANK								X										
P2-11	1	X	X	X	C	C	X											
P2-12	1	X	X	X	C	C	X											
FLOW METER									X	X								
WELL AND WELL PUMPS																		
P1-26	1	X	X	X	C	C	X	X	X	X	X							
P1-27	1	X	X	X	C	C	X	X	X	X	X							
P1-28	1	X	X	X	C	C	X	X	X	X	X							
P1-29	1	X	X	X	C	C	X	X	X	X	X							
P1-30	1	X	X	X	C	C	X	X	X	X	X							
P1-31	1	X	X	X	C	C	X	X	X	X	X							

SYSTEM COMPONENT	MCC	PUMP READY	PUMP FAIL	PUMP ON AUTO	START PUMP	STOP PUMP	PUMP STATUS	LEVEL	FLOW RATE	FLOW TOTALIZER	CONDUCTIVITY	STATUS (ALARM)	VALVE EMA READY	VALVE EMA OPEN	VALVE EMA CLOSE	VALVE STATUS (OPEN–CLOSED)	FLOW SWITCH STATUS	STANDBY GENERATOR STATUS
MODULE G																		
TANK								X										
P2-13	2	X	X	X	C	C	X											
P2-14	2	X	X	X	C	C	X											
FLOW METER									X	X								
WELL AND WELL PUMPS																		
P1-32	2	X	X	X	C	C	X	X	X	X	X							
P1-33	2	X	X	X	C	C	X	X	X	X	X							
P1-34	2	X	X	X	C	C	X	X	X	X	X							
P1-35	2	X	X	X	C	C	X	X	X	X	X							
P1-36	2	X	X	X	C	C	X	X	X	X	X							
P1-37	2	X	X	X	C	C	X	X	X	X	X							
P1-38	2	X	X	X	C	C	X	X	X	X	X							
P1-39	2	X	X	X	C	C	X	X	X	X	X							
MODULE H																		
TANK								X										
P2-15	2	X	X	X	C	C	X											
P2-16	2	X	X	X	C	C	X											
FLOW METER									X	X								
WELL AND WELL PUMPS																		
P1-40	2	X	X	X	C	C	X	X	X	X	X							
P1-41	2	X	X	X	C	C	X	X	X	X	X							
P1-42	2	X	X	X	C	C	X	X	X	X	X							
P1-43	2	X	X	X	C	C	X	X	X	X	X							
P1-44	2	X	X	X	C	C	X	X	X	X	X							
P1-45	2	X	X	X	C	C	X	X	X	X	X							
P1-46	2	X	X	X	C	C	X	X	X	X	X							
MODULE I																		
TANK								X										
P2-17	2	X	X	X	C	C	X											
P2-18	2	X	X	X	C	C	X											
FLOW METER									X	X								
WELL AND WELL PUMPS																		
P1-47	2	X	X	X	C	C	X	X	X	X	X							
P1-48	2	X	X	X	C	C	X	X	X	X	X							
P1-49	2	X	X	X	C	C	X	X	X	X	X							
P1-50	2	X	X	X	C	C	X	X	X	X	X							
P1-51	2	X	X	X	C	C	X	X	X	X	X							
P1-52	2	X	X	X	C	C	X	X	X	X	X							
P1-53	2	X	X	X	C	C	X	X	X	X	X							
MODULE J																		
TANK								X										
P2-19	2	X	X	X	C	C	X											
P2-20	2	X	X	X	C	C	X											
FLOW METER									X	X								
WELL AND WELL PUMPS																		
P1-54	2	X	X	X	C	C	X	X	X	X	X							
P1-55	2	X	X	X	C	C	X	X	X	X	X							
P1-56	2	X	X	X	C	C	X	X	X	X	X							
P1-57	2	X	X	X	C	C	X	X	X	X	X							
P1-58	2	X	X	X	C	C	X	X	X	X	X							
P1-59	2	X	X	X	C	C	X	X	X	X	X							
P1-60	2	X	X	X	C	C	X	X	X	X	X							
MODULE K																		
TANK								X										
P2-21	2	X	X	X	C	C	X											
P2-22	2	X	X	X	C	C	X											
FLOW METER									X	X								
WELL AND WELL PUMPS																		
P1-61	2	X	X	X	C	C	X	X	X	X	X							
P1-62	2	X	X	X	C	C	X	X	X	X	X							
P1-63	2	X	X	X	C	C	X	X	X	X	X							
P1-64	2	X	X	X	C	C	X	X	X	X	X							
P1-65	2	X	X	X	C	C	X	X	X	X	X							
P1-66	2	X	X	X	C	C	X	X	X	X	X							
P1-67	2	X	X	X	C	C	X	X	X	X	X							
P1-76	2	X	X	X	C	C	X	X	X	X	X							
P1-77	2	X	X	X	C	C	X	X	X	X	X							

SYSTEM COMPONENT	MCC	PUMP READY	PUMP FAIL	PUMP ON AUTO	START PUMP	STOP PUMP	PUMP STATUS	LEVEL	FLOW RATE	FLOW TOTALIZER	CONDUCTIVITY	STATUS (ALARM)	VALVE EMA READY	VALVE EMA OPEN	VALVE EMA CLOSE	VALVE STATUS (OPEN–CLOSED)	FLOW SWITCH STATUS	STANDBY GENERATOR STATUS
MODULE L																		
TANK								X										
P2-23	2	X	X	X	C	C	X											
P2-24	2	X	X	X	C	C	X											
FLOW METER									X	X								
WELL AND WELL PUMPS																		
P1-69	2	X	X	X	C	C	X	X	X	X	X							
P1-70	2	X	X	X	C	C	X	X	X	X	X							
P1-71	2	X	X	X	C	C	X	X	X	X	X							
P1-72	2	X	X	X	C	C	X	X	X	X	X							
P1-73	2	X	X	X	C	C	X	X	X	X	X							
P1-74	2	X	X	X	C	C	X	X	X	X	X							
P1-75	2	X	X	X	C	C	X	X	X	X	X							
P1-78	2	X	X	X	C	C	X	X	X	X	X							
HORIZONTAL WELLS																		
H-1	2	X	X	X	C	C	X	X	X	X	X							
H-2	1	X	X	X	C	C	X	X	X	X	X							
H-3	1	X	X	X	C	C	X	X	X	X	X							
H-4	1	X	X	X	C	C	X	X	X	X	X							
H-5	2	X	X	X	C	C	X	X	X	X	X							
H-6	C-WTP	X	X	X	C	C	X	X	X	X	X							
H-7	1	X	X	X	C	C	X	X	X	X	X							
NEW HORIZONTAL WELLS																		
NH-1	1	X	X	X	C	C	X	X	X	X	X							
NH-2	1	X	X	X	C	C	X	X	X	X	X							
NH-3	1	X	X	X	C	C	X	X	X	X	X							
NH-4	1	X	X	X	C	C	X	X	X	X	X							
REVIVED WELLS																		
C-1	2592	X	X	X	C	C	X	X	X	X	X							
C-3	2592	X	X	X	C	C	X	X	X	X	X							
C-4	2592	X	X	X	C	C	X	X	X	X	X							
C-5	2592	X	X	X	C	C	X	X	X	X	X							
C-6	2592	X	X	X	C	C	X	X	X	X	X							
C-7	2592	X	X	X	C	C	X	X	X	X	X							
C-8	2592	X	X	X	C	C	X	X	X	X	X							
C-9	2592	X	X	X	C	C	X	X	X	X	X							
C-10	2592	X	X	X	C	C	X	X	X	X	X							
C-11	2592	X	X	X	C	C	X	X	X	X	X							
QUAD WELLS																		
Q-1	C-WTP	X	X	X	C	C	X	X	X	X	X							
Q-2	C-WTP	X	X	X	C	C	X	X	X	X	X							
Q-3	C-WTP	X	X	X	C	C	X	X	X	X	X							
Q-4	C-WTP	X	X	X	C	C	X	X	X	X	X							
TRANSFER STATION 1																		
TANK								X										
BP-1	2	X	X	X	C	C	X											
BP-2	2	X	X	X	C	C	X											
FLOW METER									X	X								
TRANSFER STATION 2																		
TANK								X										
BP-3	2	X	X	X	C	C	X											
BP-4	2	X	X	X	C	C	X											
FLOW METER									X	X								
MCC1 STANDBY GENERATOR (FUTURE)																		X
MCC2 STANDBY GENERATOR (FUTURE)																		X
CANTONMENT WATER TREATMENT PLANT	TO BE DESIGNED BY CONTRACTOR REFER TO G301008, PART-3																	

SYSTEM COMPONENT	MCC	PUMP READY	PUMP FAIL	PUMP ON AUTO	START PUMP	STOP PUMP	PUMP STATUS	LEVEL	FLOW RATE	FLOW TOTALIZER	CONDUCTIVITY	STATUS (ALARM)	VALVE EMA READY	VALVE EMA OPEN	VALVE EMA CLOSE	VALVE STATUS (OPEN–CLOSED)	FLOW SWITCH STATUS	STANDBY GENERATOR STATUS
AIR OPS WATER SUPPLY SYSTEM																		
AIR OPS WELLS																		
AO-2	AO-WTP	X	X	X	C	C	X	X	X	X	X							
AO-3	AO-WTP	X	X	X	C	C	X	X	X	X	X							
AO-4	AO-WTP	X	X	X	C	C	X	X	X	X	X							
AO-5	AO-WTP	X	X	X	C	C	X	X	X	X	X							
AO-6	AO-WTP	X	X	X	C	C	X	X	X	X	X							
AO-7	AO-WTP	X	X	X	C	C	X	X	X	X	X							
AO-8	AO-WTP	X	X	X	C	C	X	X	X	X	X							
AO-9	AO-WTP	X	X	X	C	C	X	X	X	X	X							
AO-10	AO-WTP	X	X	X	C	C	X	X	X	X	X							
AO-11	AO-WTP	X	X	X	C	C	X	X	X	X	X							
AO-12	AO-WTP	X	X	X	C	C	X	X	X	X	X							
AO-13	AO-WTP	X	X	X	C	C	X	X	X	X	X							
AO-14	AO-WTP	X	X	X	C	C	X	X	X	X	X							
AO-15	AO-WTP	X	X	X	C	C	X	X	X	X	X							
AO-16	AO-WTP	X	X	X	C	C	X	X	X	X	X							
AO-17	AO-WTP	X	X	X	C	C	X	X	X	X	X							
AO-18	AO-WTP	X	X	X	C	C	X	X	X	X	X							
AO-19	AO-WTP	X	X	X	C	C	X	X	X	X	X							
NEW AIR OPS WELLS																		
NAO-1	AO-WTP	X	X	X	C	C	X	X	X	X	X							
NAO-2	AO-WTP	X	X	X	C	C	X	X	X	X	X							
NAO-3	AO-WTP	X	X	X	C	C	X	X	X	X	X							
NAO-4	AO-WTP	X	X	X	C	C	X	X	X	X	X							
NAO-5	AO-WTP	X	X	X	C	C	X	X	X	X	X							
NAO-6	AO-WTP	X	X	X	C	C	X	X	X	X	X							
NAO-7	AO-WTP	X	X	X	C	C	X	X	X	X	X							
NAO-8	AO-WTP	X	X	X	C	C	X	X	X	X	X							
NAO-9	AO-WTP	X	X	X	C	C	X	X	X	X	X							
WATER RELAY PLANT	TO BE DESIGNED BY CONTRACTOR REFER TO G301008, PART-3																	
GAC (FUTURE)												X						
FIRE PROTECTION BOOSTER SYSTEMS																		
BLDG 211																	X	
BLDG 316																	X	
BLDG 426																	X	
BLDG 497																	X	
BLDG 905																	X	

P1-x = WELL PUMP
BP-x = BOOSTER PUMP
TP-x = TRANSFER PUMP
DP-x = DISTRIBUTION PUMP

C-WTP = CANTONMENT WTP
AO-WTP = AIR OPS WTP
WTP = WATER TREATMENT PLANT
X = INCLUDED IN SCADA SYSTEM
C = MANUAL CONTROL THROUGH SCADA SYSTEM

REFER TO OTHER CONCEPT DRAWINGS AND FOLLOWING DRAWING IN PART-6 FOR THE LOCATION OF SYSTEM COMPONENTS.
DWG NO. CO-03 OF "RC11-02 REPLACE EXISTING WATER TELEMETRY SYSTEM"

CONCEPT DRAWING

NAVFAC
Naval Facilities Engineering Command
NAVFAC FAR EAST

US NAVY SUPPORT FACILITY, DIEGO GARCIA
POTABLE WATER PLANT MODERNIZATION,
U.S. NAVY SUPPORT FACILITY DIEGO GARCIA
SCADA SYSTEM MONITORING AND CONTROL SCHEDULE

CODE ID NO.	80091
DRAWING SIZE:	D
CONSTR CONTR NO.	N62836
SPEC	42
NAVFAC DRAWING NO.	
SHEET	6 OF 6
ENG DWG NO.	11-0256
DIV NO.	C6

WO # CZTXZ

SEAL AREA

NAVAL FACILITIES ENGINEERING COMMAND FAR EAST
DESIGN & ENGINEERING DEPT
DSGN TSUCHI | DATE 01/14/12 | CHK H.OOTANI
SUBMITTED BY TITLE DATE
FUNCTIONAL APPROVAL DATE
APPROVED DATE
EFD FOR COMMANDER. NAVFAC

NAVFACFE REVIEW/SUPV	
ACQ DIR:	ELEC:
DSGNDIR:	CIVIL:
PDE/EIC:	FIRE PROT:
ARCH:	V-E:
STRUCT:	
MECH:	

LTR	DESCRIPTION	PREP BY	DATE	APPROVED

REVISIONS