MCAS

GRID NORTH

STATE GRID NORTH

EXIST. 8" V.C. SANITARY SEWER

EXIST. 10"

4"ø V.C. SANITARY SEWER (EXIST.)

15" R.C.P. TO BE REMOVED (EXIST.)

NEW 4" WASTE WATER DRAIN TO EXIST. M.H. (SEE NAVFAC DWG. NO. 4016922)

EXIST. TEE TO REMAIN

45° BEND (NEW)

NEW 12"

REMOVE ALL EXIST. F.W. PIPING FROM MANHOLE AND PROVIDE NEW 12" F/W.

EXIST. WATER TREATMENT PLANT

REMOVE EXIST. TOPSOIL & P.C. REPLACE WITH NEW TREATMENT

EXIST. 8" C.I.

EXIST. CHLORINE HOSE

NEW 15" R.C.P.

NEW DROP INLET

REMOVE EXIST. CONC. SLAB

NEW DROP INLET (elev. 17.5)

CONC. SLAB FOR PROPANE TANKS

45° BEND (NEW)

EXIST. STORAGE

RECARB TANK

FILTER AREA

PIPE GALLERY

NEW 22"ø FL. DRAIN

SOFTENING AREA

PUMP HOUSE

EXIST. 12" C.I.P.

NEW 12"x12"x12" RED. TEE

NEW 12"x3" RED.

TIE NEW 3" SUBSURFACE WASH SUCTION PIPE INTO EXIST. 12" F/W PIPE FROM STORAGE TANK.

EXIST. STORAGE

12" C.I.P.

NEW 12" EXIST. FENCE

LATERAL

12" PIPE (NEW)

10"x12" INCREASER (NEW)

NEW 10"

EXIST. M.H. TO REMAIN

22½° BEND (NEW)

EXIST. 10" R/W

NEW 12" RAW WATER

NEW 24" BACKWASH LINE TO ENSIN

EXIST. 6"

WELL

CURTIS ROAD

SITE PLAN-UTILITIES

SCALE: 1"=20'

SERVICE DRIVE

5' 11' 1.0% SLOPE

E/P 17.87 17.92 18.03

EXIST. FL. ELEV. 18.20

EXIST. CURB

½" ASPHALT SURFACE

6" BASE COURSE MATERIAL

SECTION

SCALE: 1"=4'

EXIST. E/P

BEGIN NEW ASPHALT SURFACE

NEW CURB (EXTEND FROM EXIST. CURB)

NOTES: (1) REMOVE EXIST. PAVEMENT BEFORE LAYING NEW ASPHALT SURFACE.
(2) SEE NAVFAC DWG. NO. 4016943 FOR TYP. SECT. OF CONC. SIDEWALK.
(3) SEE NAVFAC DWG. NO. 4016859 FOR ADDITIONAL ABBREVIATIONS AND SYMBOLS.

EXIST. TRANSFORMER

PARKING AREA (7 SPACES)

ASPHALT SURFACE

NEW 4' CONC. SIDEWALK

EXIST. FENCE

EXIST. 15" RCP

ASPHALT SERVICE DRIVE (SEE TYP. SECT. THIS DWG.)

25' RAD.

EXIST. BLDG.

F.F. EL. = 18.20

ASPHALT SURFACE TO END AT EXIST. FENCE.

¾" FUEL LINE TO BURNER IN RECARBONATION TANK

2-4'0"x16' PROPANE TANKS ON 21'x20'x6" REINF. CONC. SLAB. REINF. TO BE #4 BARS @ 12" E.W.

TOP SLAB ELEV. 18.57

24 LF 15" RCP

CHLOR. RM.

4" CONC. SIDEWALK

2 CHLOR. SCALES ON COVERED CONC. SLAB. SEE NAVFAC. DWGS. 4016922, 4016923 & 4016933.

DROP INLET

CONC. SLAB

CONC. PAD

PIPE GALLERY

GUARDRAIL

STORAGE TANK

DROP INLET TOP=17.5 INV.=

BACKWASH ORIFICE PIT

FLOOR EL. 19.56

PUMP HOUSE A.F.E.=18.7

2:1 SLOPE

18.00 M.H. 3

O.M.H. 2

END NEW ASPHALT SURFACE

EXIST. FENCE

O.M.H. 4

STORAGE TANK

EXIST. M.H.

NOTES: 1. POUR CONC. COLLAR TO CONNECT NEW 12" & 78 EXIST. 18" RCP.
EXIST. 18" WYE.
2. REVISE SIDEWALK AS SHOWN BY RED SHADING

MODIFICATION #25

LEGEND

ITEM	EXIST.	NEW
CULVERT		
STRUCTURES & OTHER OBJECT LINES.		
CONTOURS	18	18
SPOT ELEV'S	NONE	+17.0
CONC. SIDEWALKS		

WELL (EXIST.)

10'

1½" ASPHALT SURFACE

1% SLOPE

6" BASE COURSE MATERIAL

TYP. SECTION SERVICE DRIVE

SCALE: 1"=4'

SITE PLAN (GRADING)

SCALE: 1"=20'

GRAPHIC SCALE

25' 0 25' 50' 75' 100'

1"=20'

1" 0 1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14'

3/8"=1'-0"

4' 2' 0 4' 8' 12' 16' 20'

1"=4'

13'-0"

REMOVE EXIST. FLOW METER AND REPLACE WITH NEW ONE AS SPECIFIED

REVERSE FLOW DIRECTION OF EXIST. C.V.

EXIST. 8" TEE

EXIST. 8" TEE

TO GEICEP

EXIST. 8" F/W

8" G.V.

EXIST. 8"

EXIST. 8"

EXIST. 8" CONC. WALL (TYPICAL)

EXIST. 8'-10" EL.

EXIST. 8'-10" EL.

DETAIL-EXIST. WATER METER PIT

SCALE: 3/8"=1'-0"

SEE NAVFAC DWG. 4016801

REVISED DRAWING 2-23-73 DWS

LEGEND

ITEM	NEW	EXISTING	ABANDON	REMOVE
SANITARY SEWER	SW	S		
RAW WATER	RW	RW		
STORM DRAIN	SD	SD	SD	SD
FRESH WATER	FW	FW		
CHLORINE LINE		C		

NOTES: (1.) FOR CONTINUATION OF NEW 24" BACKWASH LINE SEE NAVFAC DWG. NO. 4016899
(2.) FOR CONTINUATION OF NEW 12" RAW WATER LINE SEE NAVFAC DWG. NO. 4016857
(3.) ■ INDICATES POINT OF CONNECTION TO EXIST. UTILITIES.
(4.) FOR ADDITIONAL ABBREVIATIONS AND SYMBOLS SEE NAVFAC DWG. NO. 4016885
(5.) FOR NEW ADDITIONS TO EXIST. WATER TREATMENT PLANT SEE NAVFAC DWG. NOS. 4016902, 4016903 & 4016904

REVISIONS

SYM.	DESCRIPTION	CODE	APPROVED

V. K. TIMMONS & ASSOC., INC.
1314 WEST MAIN STREET
RICHMOND, VIRGINIA
CONSULTING ENGINEERS

DES. M.L.E. DR. C.L.C. CH. M.L.E.
PROJ. MGR. M.L.E. ELECT. ENGR. J.H.H.
SUBMITTED BY: DATE
FIRM MEMBER PRINCIPAL
E.P.D. RVD. DATE
H.D. DIR.
APPROVED DATE
OFFICER-IN-CHARGE
APPROVED DATE
FOR CO/OIC FOR COMMANDER NAVFAC

NORTH CAROLINA SEAL 4277 ENGINEER M. L. TIMMONS

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NAVAL STATION NORFOLK, VA.
NEW RIVER - MARINE CORPS AIR STATION (HELICOPTER)
JACKSONVILLE, NORTH CAROLINA

UTILITY EXPANSION

NEW RIVER WATER PLANT
SITE PLAN

SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.
F	80091	4016901

CONST. N62470-73-B-1155
SCALE AS SHOWN 05-73-1155 SHEET 15 OF 83
FSO ERO FOR COMMANDER NAVFAC E.F.D. NO.