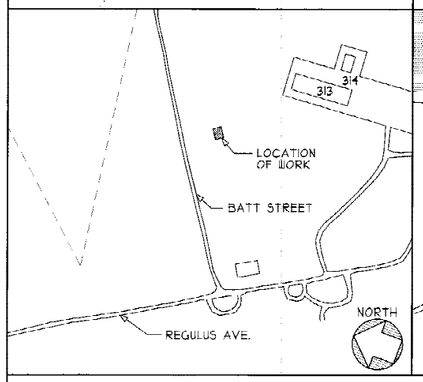
REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED

TOILET FACILITIES AT THE PISTOL AND RIFLE RANGES

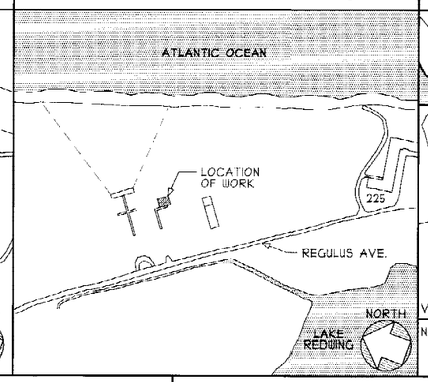
FLEET COMBAT TRAINING CENTER, DAM NECK
VIRGINIA BEACH, VIRGINIA

RIDDICK & ASSOCIATES, P.C.
261 WEST BUTE STREET, NORFOLK, VIRGINIA 23510

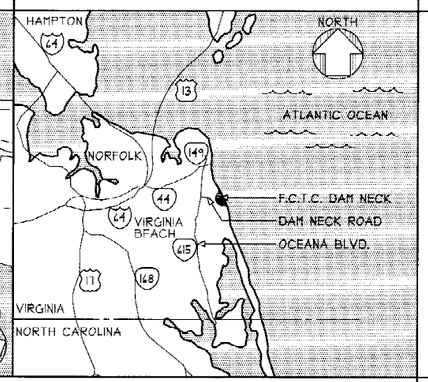
LOCATION MAP - RIFLE RANGE



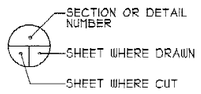
LOCATION MAP - PISTOL RANGE



VICINITY MAP



SYMBOLS



(100) DOOR NUMBER

INDEX OF DRAWINGS

P.W.D. NO.	SHEET NO.	TITLE
94-1542	T-1	TITLE SHEET
94-1543	C-1	SITE PLAN
94-1544	C-2	SITE PLAN
94-1545	C 3	PUMP STATION
94-1546	C-4	SITE DETAILS
94-1547	A-1	PLANS, ELEVATIONS, AND SCHEDULES - RIFLE RANGE
94-1548	A-2	PLANS, ELEVATIONS, AND SCHEDULES - PISTOL RANGE
94-1549	A-3	DETAILS
94-1550	E-1	ELECTRICAL SITE PLANS
94-1551	E-2	ELECTRICAL FLOOR PLANS
94-1552	PM-1	MECHANICAL\PLUMBING FLOOR PLANS
94-1553	PM-2	RISER DIAGRAMS, DETAILS & SCHEDULES

ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR	MECH.	MECHANICAL
ALUM.	ALUMINUM	MIN.	MINIMUM
APPROX.	APPROXIMATE	M.O.	MASONRY OPENING
A.T.C.	ACOUSTICAL TILE CEILING	MTL.	METAL
BD.	BOARD	N.I.C.	NOT IN CONTRACT
BLDG.	BUILDING		
BLK.	BLOCK	O.C.	ON CENTER
BRG.	BEARING	OPNG.	OPENING
		OPP.	OPPOSITE
C.F.	CUBIC FOOT		
CLG.	CEILING	PLAS. LAM.	PLASTIC LAMINATE
CMU.	CONCRETE MASONRY UNIT	PLYWD.	PLYWOOD
COL.	COLUMN	PREFIN.	PREFINISHED
CONC.	CONCRETE	PTD.	PAINTED
CONST.	CONSTRUCTION		
CONT.	CONTINUOUS	REF.	REFERENCE
CPT.	CARPET	REINF.	REINFORCEMENT
C.T.	CERAMIC TILE	REQ.	REQUIRED
		RM.	ROOM
DIA.	DIAMETER		
DN.	DOWN	S.F.	SQUARE FOOT
DS.	DOWNSPOUT	SHT.	SHEET
DTL.	DETAIL	SIM.	SIMILAR
DWGS.	DRAWINGS	S.N.	SANITARY NAPKIN
		SQ.	SQUARE
EA.	EACH	S.S.	STAINLESS STEEL
E.I.F.S.	EXTERIOR INSULATION AND FINISH SYSTEM	STD.	STANDARD
		STL.	STEEL
ELEC.	ELECTRIC	STRUCT.	STRUCTURE
ELEV.	ELEVATION	SUSP.	SUSPENDED
EQUIP.	EQUIPMENT		
EXIST.	EXISTING	T.D.	TOWEL DISPENSER
EXP.	EXPANSION	THK.	THICK
EXT.	EXTERIOR	T.P.	TOILET PAPER
		TRTD.	TREATED
F.D.	FLOOR DRAIN	TYP.	TYPICAL
FIN.	FINISH		
FLR.	FLOOR	U.O.N.	UNLESS OTHERWISE NOTED
GA.	GAUGE	V.B.	VINYL BASE
GWB.	GYPSUM WALL BOARD	V.C.T.	VINYL COMPOSITION TILE
GYP.	GYPSUM	VERT.	VERTICAL
H.C.	HANDICAPPED	W/	WITH
HORIZ.	HORIZONTAL	W.C.	WALL COVERING
H.M.	HOLLOW METAL	WD.	WOOD
HT.	HEIGHT	W.R.	WASTE RECEPTACLE
		W.W.F.	WELDED WIRE FABRIC
INSUL.	INSULATION		
JT.	JOINT		
L.F.	LINEAR FOOT		

COLOR SCHEDULE

ITEMS	DESCRIPTION
CEDAR SIDING, SOFFIT AND CEILING	#0813 MOORWOOD - BENJAMIN MOORE PAINTS
CMU FOUNDATION WALL	#5375N THRUSH - DURON PAINTS
H.M. DOORS AND FRAMES	#6325R RUBRUM LILY DURON PAINTS
VINYL CLAD WINDOWS	#6325R RUBRUM LILY DURON PAINTS
PREFINISHED ALUM. LOUVERS	RIVER ROUSE RED - AIROLITE COMPANY
PREFINISHED STANDING SEAM ROOF AND TRIM	FOREST GREEN - PETERSEN ALUM. CORP.
CULTURED GRANITE VANITY	GOLDEN SAND - VA BEACH MARBLE
VINYL SOFFIT VENT	#5374D BISHOP BROWN - DURON PAINTS

MATERIAL LEGEND

- GROUT
- PLYWOOD
- ROUGH CARPENTRY
- COMPACT FILL
- RIGID INSULATION
- CONCRETE
- CONCRETE MASONRY UNIT

GENERAL NOTES

1. THE STRUCTURE WAS DESIGNED FOR THE FOLLOWING LOADS IN ADDITION TO THE DEAD LOADS OF THE PERMANENT AND MATERIALS CONSTRUCTION:
   ROOF LIVE LOAD . . . . . 20 PSF
   FLOOR LIVE LOAD . . . . . 100 PSF
   WIND SPEED (PEAK GUST) . . . . . 85 MPH
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ITEMS OF CONSTRUCTION PRIOR TO COMMENCING WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER.
3. THE FOUNDATION WAS DESIGNED FOR A MAXIMUM ALLOWABLE SOIL BEARING PRESSURE OF 1000 PSF. THE SOILS BENEATH THE PROPOSED FOUNDATION SHALL BE CAPABLE OF SAFELY SUPPORTING WITHOUT EXCESSIVE SETTLEMENT.
4. THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER OF ANY SOILS OF QUESTIONABLE BEARING CAPACITY UNEARTHED DURING CONSTRUCTION. SOFT, AND OTHERWISE UNSATISFACTORY, SOILS BENEATH THE PROPOSED FOUNDATION SHALL BE REMOVED AT THE DIRECTION OF THE CONTRACTING OFFICER AND BACKFILLED WITH SUITABLY COMPACTED MATERIAL.
5. ALL FOUNDATIONS SHALL BE FORMED USING APPROVED MATERIALS.
6. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT STORM WATER FROM ENTERING THE FOUNDATION EXCAVATION. CONCRETE FOR THE FOUNDATION SHALL NOT BE PLACED ON SOFT, SATURATED SOIL.
7. ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 301 "STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI 318/318R "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
8. ALL CAST-IN-PLACE CONCRETE SHALL ATTAIN AN ULTIMATE COMPRESSIVE STRENGTH OF 4,000 PSI AT AN AGE OF 28 DAYS.
9. ALL CAST-IN-PLACE CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED (+ 1.5 PERCENT).
10. ALL CAST-IN-PLACE CONCRETE SHALL HAVE A MAXIMUM SLUMP OF 4 INCHES.
11. MINIMUM CONCRETE COVER FOR PROTECTION OF REINFORCEMENT SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE.
    CONCRETE CAST AGAINST & PERMANENTLY EXPOSED TO EARTH . . . . . 3 INCHES
    CONCRETE EXPOSED TO EARTH OR WEATHER. . . . . 1 INCHES
    CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND . . . . . 3/4 INCH
12. ALL REINFORCING STEEL SHALL BE GRADE 60 DEFORMED BARS, UNLESS NOTED OTHERWISE.
13. ALL REINFORCING STEEL INTENDED TO BE CONTINUOUS SHALL BE LAPPED 30 BAR DIAMETERS AT SPLICES, UNLESS INDICATED OTHERWISE.
14. ALL MASONRY CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 530-88, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES AND ACI 530.1-88, "SPECIFICATIONS FOR MASONRY STRUCTURES."
15. ALL HOLLOW, LOAD-BEARING CONCRETE MASONRY UNITS SHALL BE GRADE N, TYPE I UNITS IN CONFORMANCE WITH ASTM C 90.
16. ALL MORTAR SHALL BE TYPE "S" IN CONFORMANCE WITH ASTM C 270, UNLESS NOTED OTHERWISE.
17. ALL ASSEMBLED CONCRETE MASONRY SHALL ATTAIN AN ULTIMATE NET AREA COMPRESSIVE STRENGTH (fm) OF 1350 PSI.
18. ALL REINFORCING STEEL SHALL BE GRADE 60 DEFORMED BARS.
19. ALL GROUT SHALL CONFORM TO ASTM C 476.
20. STEEL SHALL BE LAPPED 48 BAR DIAMETERS AT SPLICES.
21. ALL ANCHOR BOLTS SHALL CONFORM TO ASTM A301.
22. ALL PLYWOOD ROOF SHEATHING SHALL BE CDX GRADE (MIN.) WITH TONGUE AND GROOVE EDGES, AND SHALL CONFORM TO DEPARTMENT OF COMMERCE PRODUCT STANDARD (PS) 1.
23. ALL PLYWOOD PANELS SHALL BE INSTALLED AS INDICATED, IN CONTINUOUS FASHION OVER TWO OR MORE SPANS WITH THE FACE GRAIN PERPENDICULAR TO THE LINES OF ROOF FRAMING.
24. ALL PLYWOOD ROOF SHEATHING SHALL BE INSTALLED USING 8 PENNY NAILS.
25. ALL FRAMING LUMBER SHALL BE MINIMUM SOUTHERN YELLOW PINE NO. 2 GRADE.
26. ALL LAP SIDING AND EXPOSED TRIM SHALL BE ROUGH SAWN WESTERN RED CEDAR, GRADE C-SELECT AND SHALL BE ATTACHED WITH GALVANIZED SCREWS.
27. ALL T-111 SIDING SHALL BE WESTERN RED CEDAR ROUGH SAWN 5/8" THICK, WITH REVEALS @ 8" O.C. AND SHALL BE ATTACHED WITH GALVANIZED SCREWS.
28. ALL EXPOSED WOOD SURFACES SHALL BE PAINTED WITH ONE COAT OF WATER REPELLANT WOOD STAIN. SEE FINISH SCHEDULE FOR COLORS.

QUALITY CONTROL REVIEW

Signature Date

COMMONWEALTH OF VIRGINIA
Donald C. Riddick
NO. 3954
ARCHITECT

RIDDICK & ASSOCIATES, P.C.
261 W. BUTE STREET
NORFOLK, VIRGINIA

T-1

P.W. DRAWING NO. 94-1542

DES. RHF
DRWN. ADM
CHK. BY RHF
SUPVR.
DIV. DIR.
SATISFACTORY TO: DATE:
APPROVED: DATE:
PUBLIC WORKS OFFICER

DEPARTMENT OF NAVY — NAVAL FACILITIES ENGINEERING COMMAND
FLEET COMBAT TRAINING CENTER, ATLANTIC
DAM NECK VA. BEACH, VA.

TOILET FACILITIES AT THE PISTOL AND RIFLE RANGES
TITLE SHEET

SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.
D	80091	

SCALE AS SHOWN — CONSTR. CONTR. NO. — SPEC. — SHEET 1 OF 12