

90% SUBMITTAL

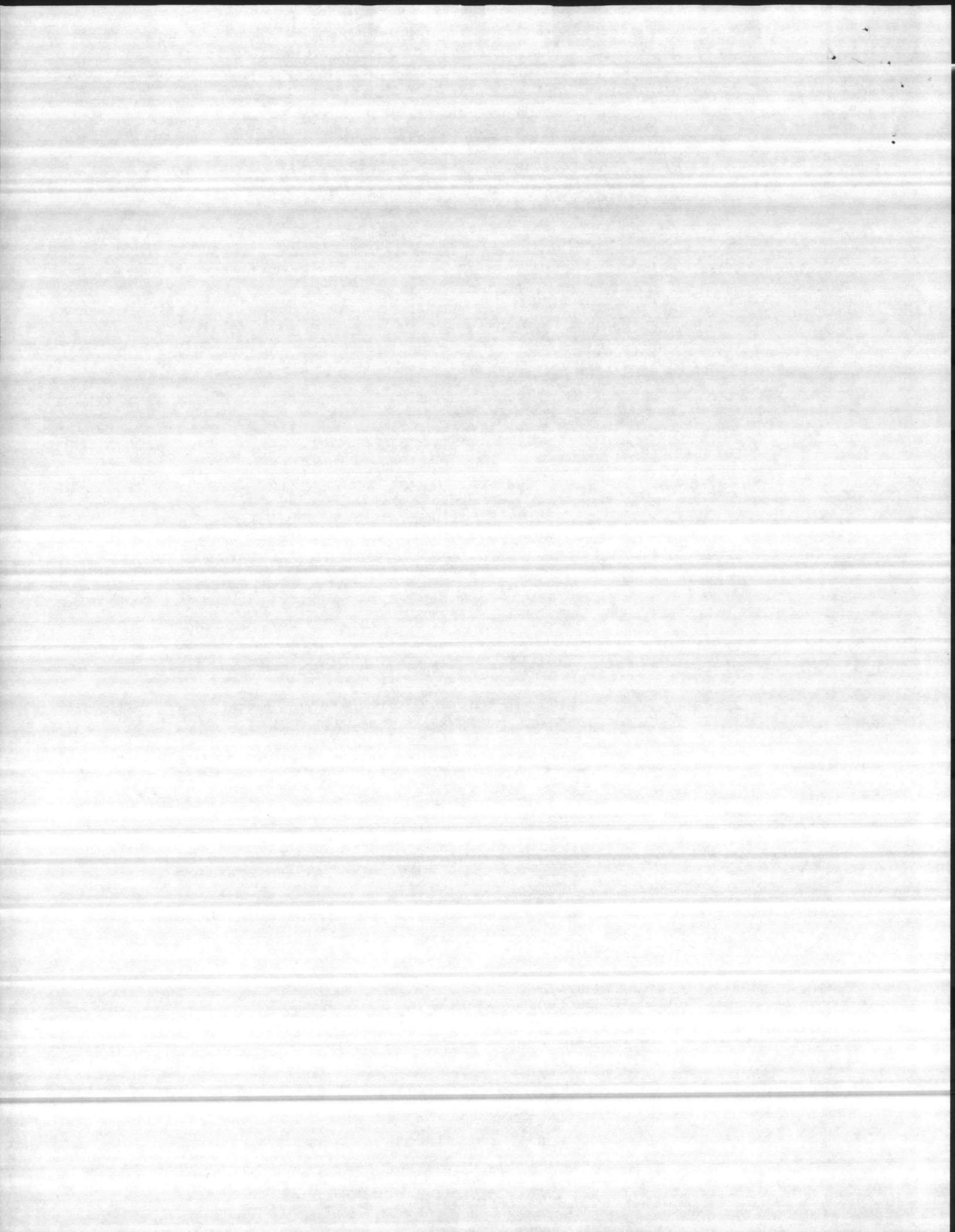
ESTIMATES FOR  
PUBLIC WORKS BUILDING, HELIPAD AND LANDSCAPING  
CAMP LEJEUNE, NORTH CAROLINA

Construction Contract No. N62470-81-B-1766

Specification No. 05-81-1766

14 May 1982

LOCKWOOD GREENE/SIX ASSOCIATES  
ARCHITECTS/ENGINEERS/PLANNERS



TITLE AND LOCATION

**PUBLIC WORKS BUILDING, HELIPAD AND LANDSCAPING, CAMP LEJEUNE, NC**

NAME OF ESTIMATOR

TYPE OF ESTIMATE (Check)

NO DESIGN  PRELIMINARY  FINAL

**LOCKWOOD GREENE/SIX ASSOCIATES**

ESTIMATE FOR CONTRACT NO.

ESCALATED TO (Date)

BLDG SF GROSS

STORIES

N62470- 81-B-1766

January 1983

11,775

1

	<u>SHEET</u>	<u>SYSTEM UNIT</u>	<u>SYS QUAN</u>	<u>COST/SYS. UNIT</u>	<u>COST/SF</u>	<u>TOTAL COST</u>
1 BUILDING						
0100 Foundation	2	GRD GLR SF	11,775	1.46	1.46	17,200
0200 Structural Frame	3	BLDG SF	11,775	2.06	2.06	24,200
0300 Floors	4	BLDG SF	11,775	2.91	2.91	34,300
0400 Roof	6	ROOF SF	11,775	7.63	7.63	89,900
0500 Exterior Walls	7	WALL SF	12,800	13.28	14.44	170,000
0600 Interior Walls	8	WALL SF	9,500	5.39	4.35	51,200
0700 Interior Finishes	9	FINISH SF	32,737	.54	1.50	17,700
0800 Doors & Windows	10	BLDG SF	11,775	4.14	4.14	48,700
0900 Specialties	20	BLDG SF	11,775	.20	.20	2,400
1000 Plumbing	22	FIXTURE	15	2573.33	3.28	38,600
1100 Mechanical	28	MBH/TON	7.5	11546.66	7.35	86,600
1200 Electrical	39	BLDG SF	11,775	11.13	11.13	131,000
1300 Special Eqpt	52	BLDG SF	2	3650.00	.62	7,300
1310						
Subtotal Building					61.07	\$ 719,100

	<u>SHEET</u>	<u>SYS UNIT</u>	<u>SYS QUAN</u>	<u>COST/SYS UNIT</u>	<u>TOTAL COST</u>
2 UTILITIES					
1410 Electrical Exterior	53	LF	2,350	60.60	142,400
1421 Heat Distribution	-	LF	-	-	-
1432 Sanitary Sewer	59	LF	405	8.40	3,400
1441 Water Distribution	60	LF	92	29.35	2,700
1470 Telephone & Fire Alarm	62	LF	600	16.83	10,100
Subtotal Utilities					\$ 158,600

	<u>SHEET</u>	<u>SYS UNIT</u>	<u>SYS QUAN</u>	<u>COST/SYS UNIT</u>	<u>TOTAL COST</u>
3 SITE PREPARATION AND IMPROVEMENTS					
1451 Roads	64	SY	1,350	8.07	10,900
1452 Parking	65	SY	5,733	9.63	55,200
1453 Sidewalks	66	SY	525	11.23	5,900
1461 Storm Sewer *	67	LF	24	591.67	14,200
1483 Grading	69	SY	3,756	4.53	17,000
1482 Topsoil, Seed Landscape	70	AC	46	3391.30	156,000
1481 Site Improvements	72	LS			15,200
1484 Miscellaneous		LS			
1485 Helipad Pavement	73	SY	1,111	18.18	20,200
Subtotal Site Preparation and Improvement					\$ 294,600
TOTAL SUPPORT COST (Items 2 & 3)					\$ 453,200

\*Item 1461 includes an oil/water separator

TOTAL CONTRACT COST

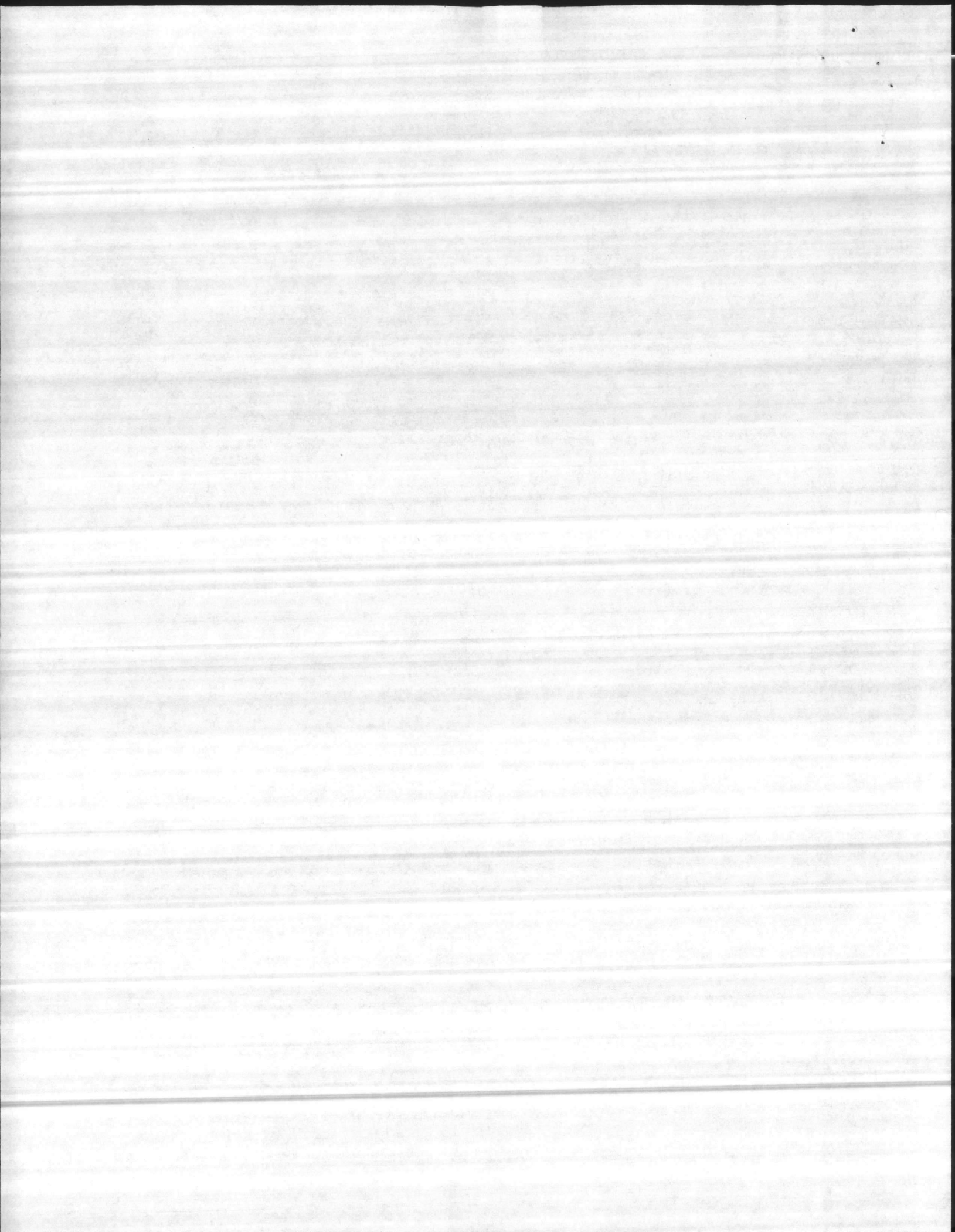
Base Bid Item a	
Item b	
Item c	
Base Bid	1,172,300
Additive Item 1	
Additive Item 2	
Additive Item 3	
Additive Item 4	
TOTAL ESTIMATED CONTRACT COST	\$ 1,172,300

PREPARED BY (Name of firm)

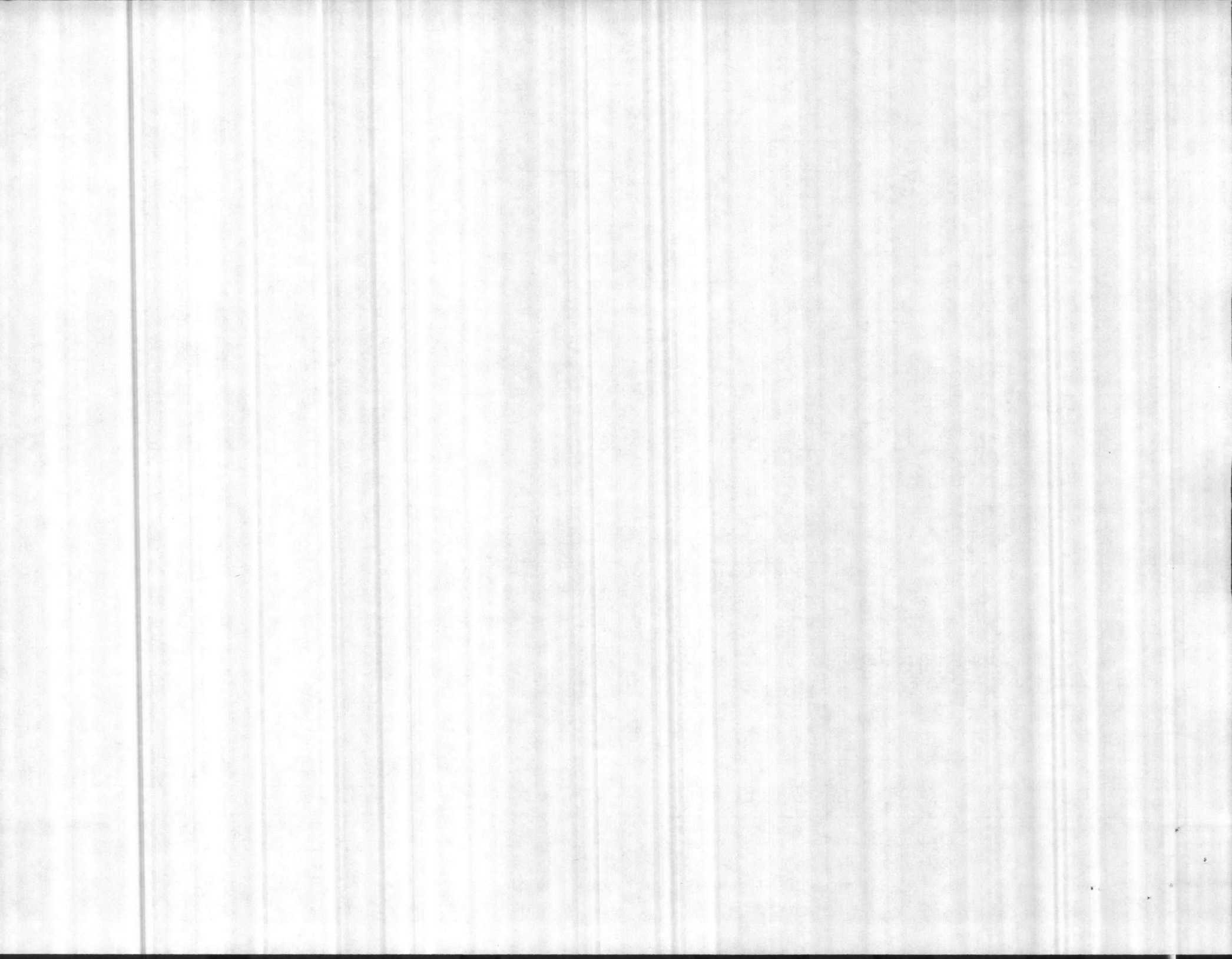
DATE PREPARED

LOCKWOOD GREENE/SIX ASSOCIATES

14 May 1982







MATERIAL & LABOR COST ESTIMATE

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

NORFOLK, VIRGINIA

SHEET 3 of 73

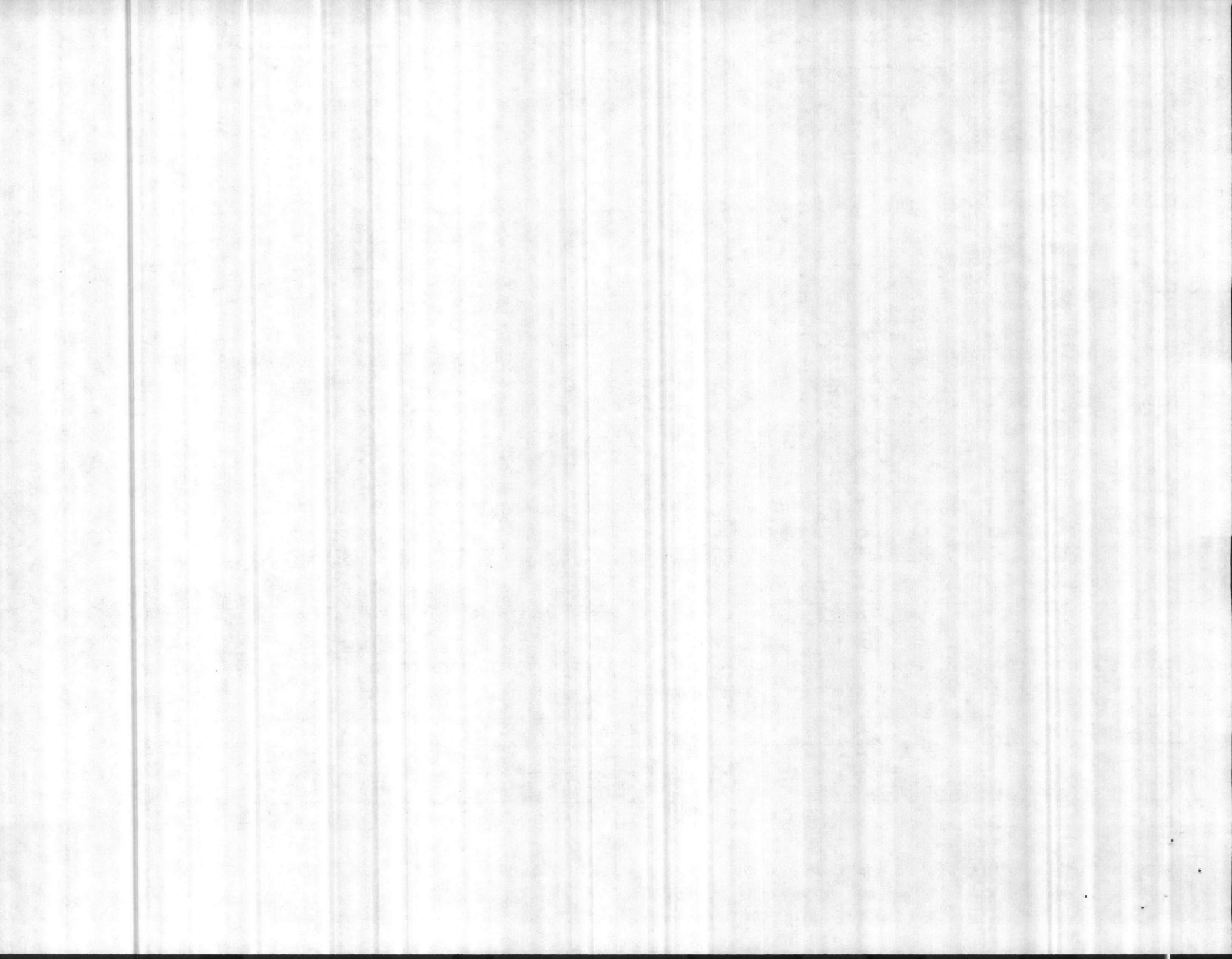
Const. Contr. No. N62470-81-B-1

DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINA

ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
0200 - STRUCTURAL FRAME								
PRICES FROM CASE:								
BEAMS	1.60	TN	749.36	1198.98	120.0	192.0	1390.98	MAT'L. x 0.5
BAR JOISTS	10.90	TN	570.0	6213.0	78.0	850.0	7063.20	LABOR x 0.
BAR JOIST BRIDGING	1.30	TN	580.0	754.0	228.0	296.40	1050.40	
MISC. METAL	4.10	TN	780.0	3198.0	228.0	934.80	4132.80	
12" W x 24" LONG TRENCH GRATING	21	EA	55.24	1160.04	10.0	210.0	1370.04	
3/4" φ x 24" ANCH BOLT	24	EA	4.09	98.16	3.49	83.76	181.92	
1/2" φ x 5" HEADED STUDS	94	EA	1.0	94.0	1.0	94.0	188.0	
1/2" φ x 14" THRU BOLTS W/NUTS & WASH.	96	EA	1.25	120.0	2.50	240.0	360.0	
5/8" φ x 8" ANCH. BOLTS W/3" HOOK	38	EA	1.75	66.50	2.50	95.0	161.50	
1/2" φ x 16" HEADED ANCH. BOLT W/NUT & WASH.	134	EA	2.30	308.20	3.0	402.0	710.20	
L 1 3/4 x 2 x 3/16 COATED	92	LF	1.87	172.04	2.50	230.0	402.04	
GROUT BEARING PLATES	67	EA	10.0	670.0	10.0	670.0	1340.0	
2" x 6 5/8" x 1" WD. x 12 GA. ANCHOR	64	EA	1.08	69.12	0.95	60.80	129.92	
1 1/2" PIPE RAIL (2 RAILS)	6	LF	12.10	72.60	2.50	15.0	87.60	
SUB - TOTAL				14194.64		4373.96	18568.60	
MAT'L. TAX. (4%) - LABOR (18%)				567.79		787.31	1355.10	
							19923.70	
OVERHEAD - PRIME CONTR. (8%)							1593.90	
							21517.60	
PROFIT - PRIME CONTR. (6%)							1291.06	
							22808.66	
BOND (0.75%)							171.06	
							22979.72	
ESCALATION (5.1%)							1171.97	

24,151.67 ≈ 24,200





MATERIAL & LABOR COST ESTIMATE

LANTDIV NORVA 4-11012/5 (REV. 12/80)

SHEET 4 of 73

PREPARED BY Lock.Gr./Six Assoc.

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

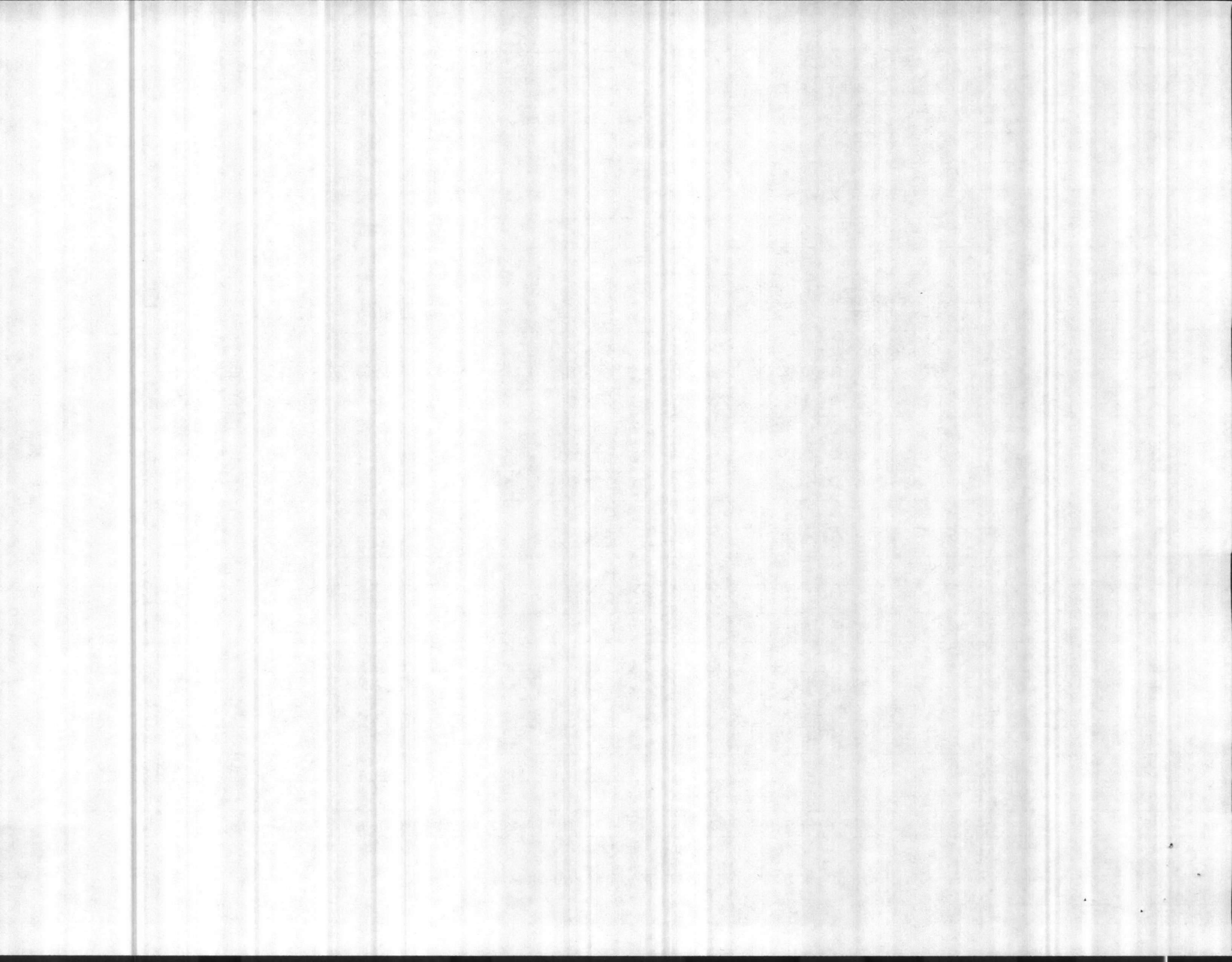
Const. Contr. No. N62470-81-B-17

FUNDS AVAIL. \_\_\_\_\_

NORFOLK, VIRGINIA

DATE 14 May 82

PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>		LOCATION <u>Camp Lejeune, NC</u>				<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL			
ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS	
			UNIT	TOTAL	UNIT	TOTAL			
0300 - FLOORS									
CONCRETE (TRENCH BOTTOMS)	1.20	CY	46.72	56.07	4.0	4.80	60.87	PRICES FROM	
CONCRETE (SLAB ON GRADE)	154.20	CY	46.72	7204.22	4.0	616.80	7821.02	CAGE:	
CONCRETE (WALLS @ DOCKS & TRENCHES)	9.50	CY	46.53	442.04	3.55	33.73	475.77	MATL. x 0.9	
FINE GRADE	9912.0	SF		---	0.14	1387.68	1387.68	LABOR x 0.6	
TROWEL FINISH	9561.0	SF		---	0.14	1338.54	1338.54		
BROOM FINISH	425.0	SF		---	0.12	51.0	51.0		
RUB FINISH	326.0	SF	0.04	13.04	0.18	58.68	71.72		
CURE & PROTECT	9986.0	SF	0.01	99.86	0.02	199.72	299.58		
SCREEDS	482.0	LF	0.04	19.28	0.13	62.66	81.94		
1/2" x 6" PREMOLDED JOINT FILLER	1166.0	LF	0.44	513.04	0.33	384.78	897.82		
30# FELT	600.0	SF	0.03	18.00	0.06	36.00	54.00		
6 x 6 W2.9 x W2.9 W.W.F.	10606.0	SF	0.10	1060.60	0.07	742.42	1803.02		
VAPOR BARRIER	10606.0	SF	0.02	212.12	0.02	212.12	424.24		
CRUSHED STONE UNDERLAYMENT	169.6	TN	7.58	1285.57	3.74	634.30	1919.87		
CONTROL JOINT	212.0	LF	0.95	201.40	1.25	265.0	466.40		
CONSTRUCTION JOINT	60.0	LF	0.63	37.80	0.63	37.80	75.60		
3/4" φ x 20" SMOOTH BAR	64	EA	0.95	60.80	1.25	80.0	140.80		
3/4" φ x 10" POLYETHYLENE BAG	64	EA	0.04	2.56	0.12	7.68	10.24		
SET ANCHOR BOLTS	2	SETS	14.0	28.0	14.0	28.0	56.0		
GROUT BASE PLATES	2	EA	10.0	20.0	10.0	20.0	40.0		
6" φ x 20" STD. PIPE SLEEVE	2	EA	12.50	25.0	5.70	11.40	36.40		
PATCH & TOUCH	152	SF	0.06	9.12	0.25	38.0	47.12		
3/4" x 7" ANCH. BOLT W/ 2 1/2" PROJ. & 3" HK.	8	EA	2.20	17.60	2.45	19.60	37.20		
1" φ x 9" ANCH. BOLT W/ 2" THRD & 3" HK.	80	EA	2.28	182.40	2.45	196.0	378.40		
(CONT. ON NEXT SHEET)									



**MATERIAL & LABOR COST ESTIMATE**

PREPARED BY Lock.Gr./Six Assoc.

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

SHEET 5 of 73

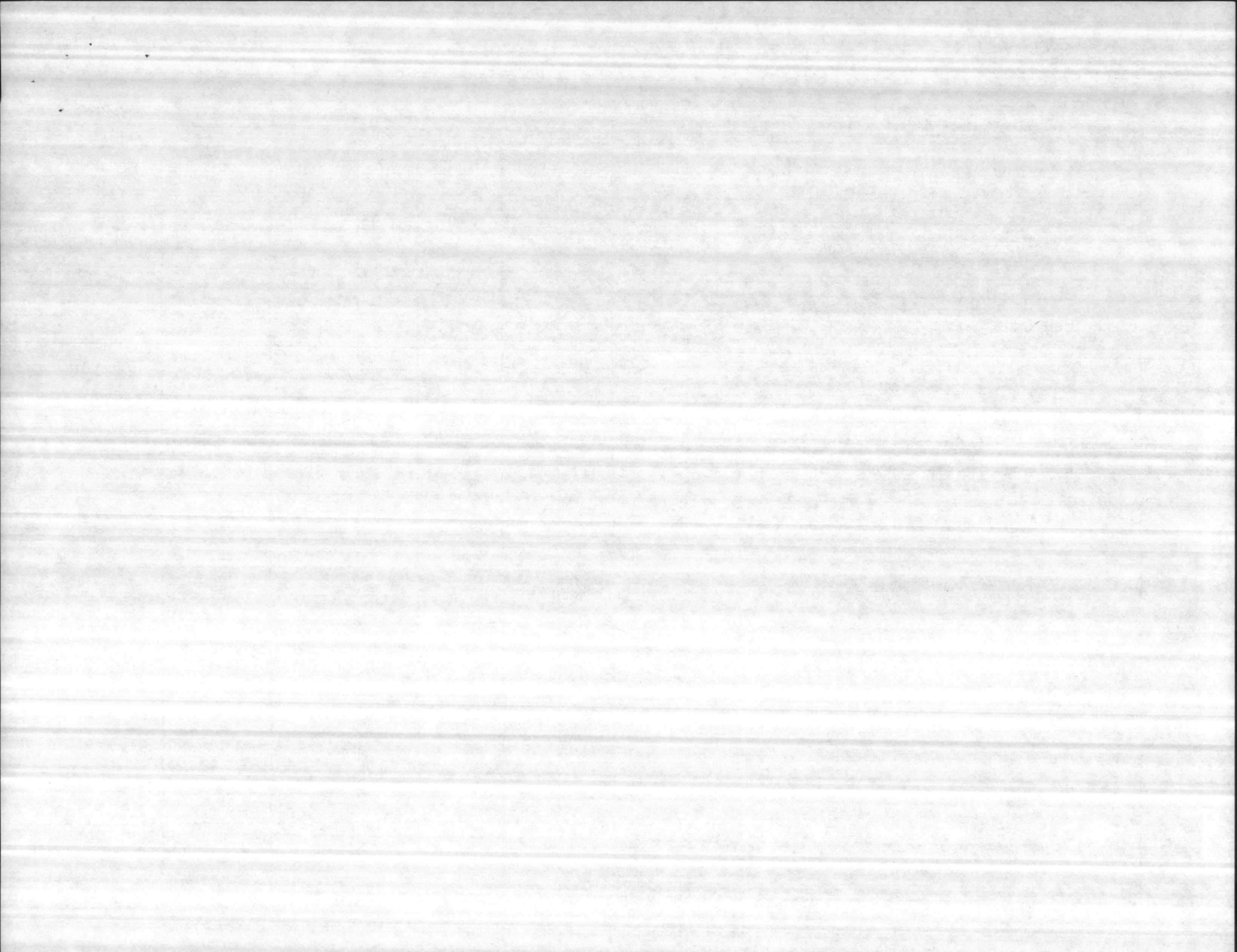
Const. Contr. No. N62470-81-B-1

FUNDS AVAIL. \_\_\_\_\_

NORFOLK, VIRGINIA

DATE 14 May 82

PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>		LOCATION <u>Camp Lejeune, NC</u>				<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL			
ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS	
			UNIT	TOTAL	UNIT	TOTAL			
<u>0300 - FLOORS CONT.</u>								<u>PRICES FROM</u>	
<u>L 3x3x1/4 W/3/8"φx4" STUDS @ 18"</u>	<u>30.0</u>	<u>LF</u>	<u>4.90</u>	<u>147.0</u>	<u>3.75</u>	<u>112.50</u>	<u>259.50</u>	<u>CAGE:</u>	
<u>L 1 1/2 x 1 1/2 x 1/4 W/3" x 3/8" BENT BAR @ 36"</u>	<u>18.0</u>	<u>LF</u>	<u>2.10</u>	<u>37.80</u>	<u>2.50</u>	<u>45.0</u>	<u>82.80</u>	<u>MATL. x 0.6</u>	
<u>2" x 4" KEYWAY</u>	<u>380.0</u>	<u>LF</u>	<u>0.12</u>	<u>45.60</u>	<u>0.17</u>	<u>64.60</u>	<u>110.20</u>	<u>LABOR x 0.6</u>	
<u>L 3x3x1/4 x 4'-6" LONG (CORNER GUARD)</u>	<u>16</u>	<u>EA</u>	<u>22.05</u>	<u>352.80</u>	<u>16.0</u>	<u>256.0</u>	<u>608.80</u>		
<u>2" PERIMETER INSULATION (INSUL #3)</u>	<u>3300.0</u>	<u>SF</u>	<u>0.81</u>	<u>2937.0</u>	<u>0.10</u>	<u>330.0</u>	<u>3267.0</u>		
<u>FORMS - WALL &amp; TRENCH</u>	<u>824.0</u>	<u>SF</u>	<u>0.63</u>	<u>519.12</u>	<u>0.78</u>	<u>642.72</u>	<u>1161.84</u>		
<u>6" EDGE</u>	<u>344.0</u>	<u>LF</u>	<u>0.29</u>	<u>99.76</u>	<u>0.61</u>	<u>209.84</u>	<u>309.60</u>		
<u>STAIR</u>	<u>53.0</u>	<u>SF</u>	<u>2.03</u>	<u>107.59</u>	<u>2.72</u>	<u>144.16</u>	<u>251.75</u>		
<u>FORM OIL &amp; ACC.</u>	<u>1049.0</u>	<u>SF</u>	<u>0.03</u>	<u>31.49</u>	<u>0.02</u>	<u>20.98</u>	<u>52.47</u>		
<u>REINF. FOR CONC. WALL, STEPS &amp; SLAB</u>	<u>2.8</u>	<u>TN</u>	<u>545.87</u>	<u>1528.44</u>	<u>161.87</u>	<u>453.24</u>	<u>1981.68</u>		
<u>SUB TOTAL</u>				<u>17315.12</u>		<u>8745.75</u>	<u>26060.87</u>		
<u>MAT'L. TAX (4%) - LABOR (18%)</u>				<u>692.60</u>		<u>1574.24</u>	<u>2266.84</u>		
							<u>28327.71</u>		
<u>OVERHEAD - PRIME CONTR. (8%)</u>							<u>2266.22</u>		
							<u>30593.93</u>		
<u>PROFIT - PRIME CONTR. (6%)</u>							<u>1835.64</u>		
							<u>32429.57</u>		
<u>BOND (0.75%)</u>							<u>243.22</u>		
							<u>32672.79</u>		
<u>ESCALATION (5.1%)</u>							<u>1666.31</u>		
							<u>34339.10</u>	<u>≈ 34,300</u>	



MATERIAL & LABOR COST ESTIMATE

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

NORFOLK, VIRGINIA

SHEET 6 of 73

Const. Contr. No. N62470-81-B-1

DATE 14 May 82

PROJECT		LOCATION		MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
Public Works Bldg., Helipad, & Landscaping		Camp Lejeune, NC		UNIT	TOTAL	UNIT	TOTAL		
0400 - ROOF									
STANDING SEAM ROOF	11,775	SF	SUB-CONTRACT @			3.55	41,801		STANDING SEAM ROOF-UNWEA-
30 LB FELT	12,000	S.F.	"			@ .06	720		.027 W/21"
ROOF INSULATION C=.053	12,000	S.F.	"			@ 1.15	13,800		OF SEAMS
METAL ROOF DECK - GALV. - 22 GA.	12,000	S.F.	.61	7320	.08	960	8,280		DOUBLE FO
BLOCKING @ ROOF DECK - 2" x 4"	4,642	BF	.53	2460	.68	3157	5,617		PRICE FROM
WOOD NAILERS @ ROOF	1,560	BF	.53	827	.68	1061	1,888		MET. & CHE
GUTTER & DOWNSPOUT	48	L.F.	4.35	209	1.85	89	298		MR. HICKS
DRIP CAP	221	L.F.	2.80	619	1.85	409	1,028		800-251-75
METAL CLOSURE CAP	169	L.F.	6.85	1158	1.85	313	1,471		GREENVILLE
1/2" ANCH. BOLTS	112	EA	.48	54	.60	67	121		
CAGE FOR									
SUB TOTAL 0400					12647	6056	75024		INSUL. & MI
TAX ON MATERIAL (4%)					506	-	506		ROOF DECK
LABOR & INSUR. (18%)						1090	1090		MAT'L. x 0.9
							76610		LABOR x 0.1
OVERHEAD (8% OF 18703)							1496		
SUB-TOTAL							78106		
PROFIT (6% OF 18703)							1122		
SUB-TOTAL							79228		
PROFIT SUB-CONTRACT (10% 56,321)							5632		
					13153	7146	84860		
BOND (.75%)							636		
							85496		
ESCALATION (5.1%)							4360		
							89856		89900



MATERIAL & LABOR COST ESTIMATE

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LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

SHEET 7 of 73

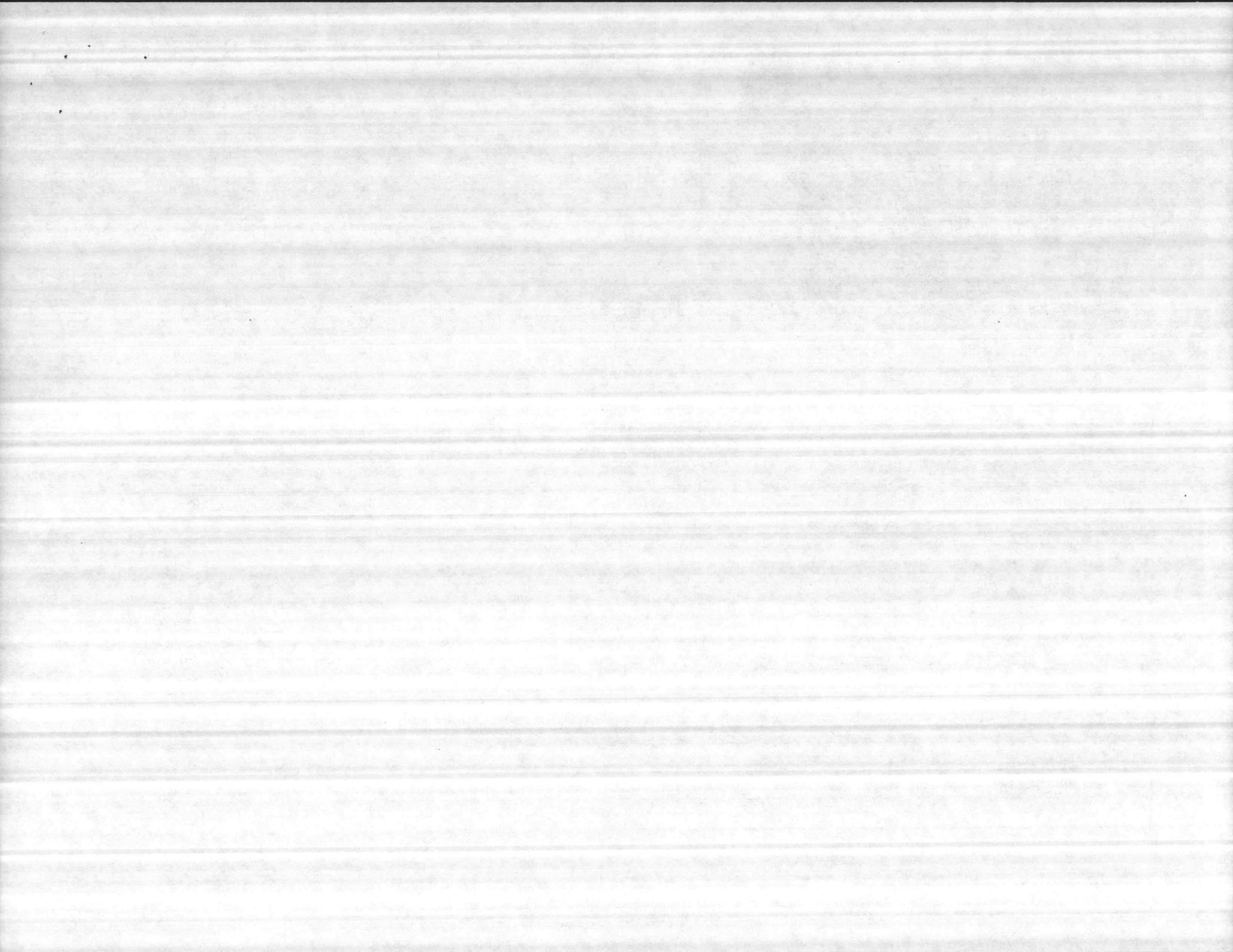
Const. Contr. No. N62470-81-B-176

FUNDS AVAIL. \_\_\_\_\_

NORFOLK, VIRGINIA

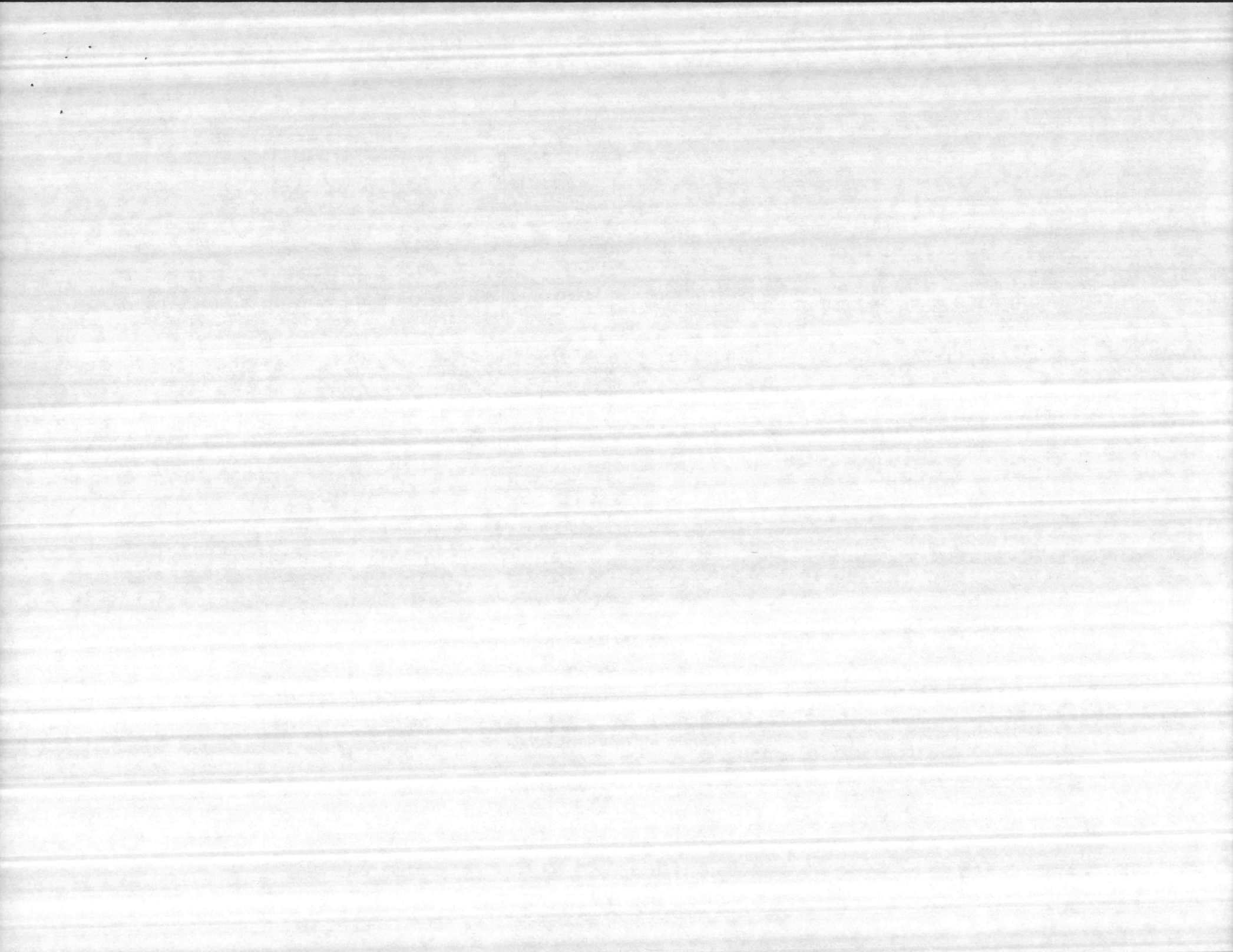
DATE 14 May 82

PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>		LOCATION <u>Camp Lejeune, NC</u>				<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL			
ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS	
			UNIT	TOTAL	UNIT	TOTAL			
<u>0500- EXTERIOR MASONRY</u>									
<u>INCL, JOINT &amp; WALL REINF.</u>	<u>12800</u>	<u>SF</u>	<u>SUB CONTRACT @</u>		<u>10.06</u>	<u>128,768</u>			
<u>GROUTING, WALL INSUL. AND</u>									
<u>COPPER CLAD FLASHING</u>								<u>LOUVER PRICE</u>	
<u>STANDING SEAM FASCIA</u>	<u>2050</u>	<u>SF</u>			<u>3.10</u>	<u>6355</u>	<u>6,355</u>	<u>FROM HOFFMA</u>	
<u>FRAMING FOR FASCIA</u>	<u>2.21</u>	<u>TONS</u>	<u>795</u>	<u>1757</u>	<u>2.50</u>	<u>553</u>	<u>2,310</u>	<u>HOFFMAN.</u>	
<u>EXTERIOR WALL LOUVERS (ANOD.)</u>	<u>57</u>	<u>SF</u>	<u>33</u>	<u>1881</u>	<u>2.50</u>	<u>143</u>	<u>2024</u>	<u>(704) 258-046</u>	
<u>STUCCO</u>	<u>135</u>	<u>SY</u>	<u>SUB CONTRACT @</u>		<u>33.08</u>	<u>4466</u>	<u>4466</u>	<u>STUCCO &amp; LATI</u>	
<u>PAINT STUCCO</u>	<u>1215</u>	<u>SF</u>	<u>"</u>	<u>"</u>	<u>.34</u>	<u>413</u>	<u>413</u>	<u>FIGURES FROM</u>	
				<u>3638</u>		<u>7051</u>	<u>144336</u>	<u>CAGE!</u>	
<u>MAT'L TAX (4%) - LABOR TAX (18%)</u>				<u>146</u>		<u>1269</u>	<u>1415</u>	<u>MAT'L x 0.95</u>	
								<u>LABOR x 0.60</u>	
							<u>145751</u>		
<u>OVERHEAD (8% OF 10,669)</u>							<u>854</u>	<u>SUSPENSION (F</u>	
								<u>ING) SYSTEM</u>	
<u>PROFIT (6% OF 10,669)</u>							<u>640</u>	<u>FROM MEANS</u>	
							<u>147245</u>		
<u>PRIME PROFIT ON SUBS (10% 133647)</u>							<u>13365</u>		
							<u>160610</u>		
<u>BOND (.75%)</u>							<u>1205</u>		
							<u>161815</u>		
<u>ESCALATION (5.1%)</u>							<u>8253</u>		
							<u>170068</u>	<u>170000</u>	









MATERIAL & LABOR COST ESTIMATE

PREPARED BY Lock.Gr./Six Assoc.

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

SHEET 7 of 15

Const. Contr. No. N62470-81-B-17

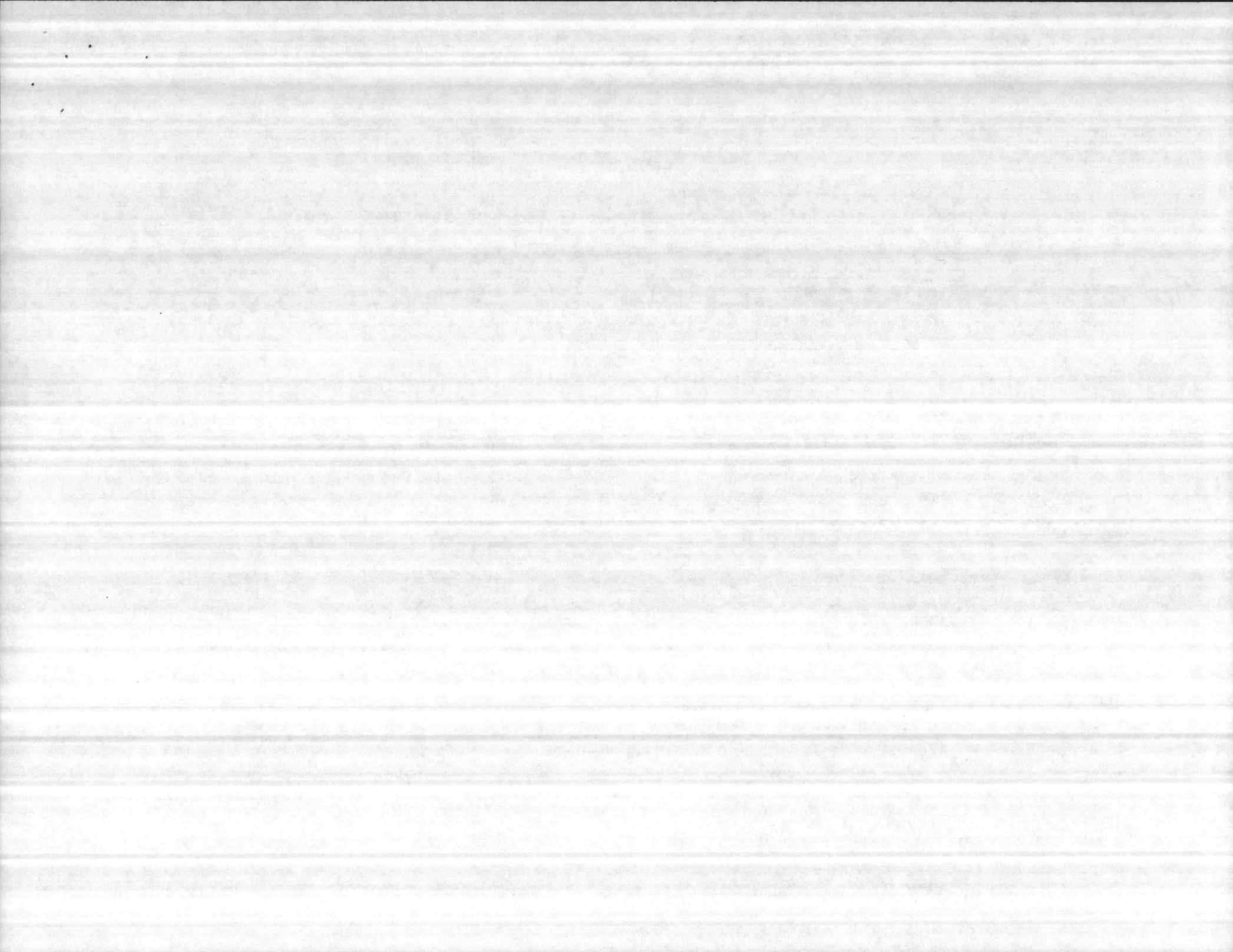
DATE 14 May 82

NORFOLK, VIRGINIA

FUNDS AVAIL. . . . .

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
0700 - INTERIOR FINISHES								
WALL FINISHES								
CERAMIC WALL TILE - THIN SET WITH SOAP HOLDER / GRAB BARS	150	SF	SUB CONTRACT @		4.50		675	
EPOXY PAINT - 3 COATS	2150	SF	"		.50		1075	CERAMIC TILES
ENAMEL PAINT - 3 COATS	25,100	SF	"		.30		7530	PRICES FROM S.I. BEAN & MARBLE ASHEVILLE, NC (104) 252-1000
FLOOR FINISHES								
VINYL COMPO TILE - 12X12X 1/8	2070	SF	SUB CONTRACT @		.58		1200	
CERAMIC MOSAIC - 2X2X 1/4	295	SF	"		4.00		1180	
VINYL BASE	615	LF	"		.52		320	
CERAMIC TILE BASE	140	LF	"		4.00		560	
MARBLE THRESHOLD 1 1/2"	2	EA	"		18.00		36	
CEILING FINISHES								
GYP. BOARD	322	SF	SUB CONTRACT @		1.50		483	
PAINT GYP. BD. CEILINGS	322	SF	"		.30		97	
ACOUSTIC CEILING	2338	SF	"		.88		2057	
SUB TOTAL INTERIOR FINISHES							15213	
SUB-CONTRACT 1090							1521	
							16734	
BOND (.75%)							126	
ESCALATION (5.1%)							16860	
							860	
							17720	17700



**MATERIAL & LABOR COST ESTIMATE**

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

**ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND**

NORFOLK, VIRGINIA

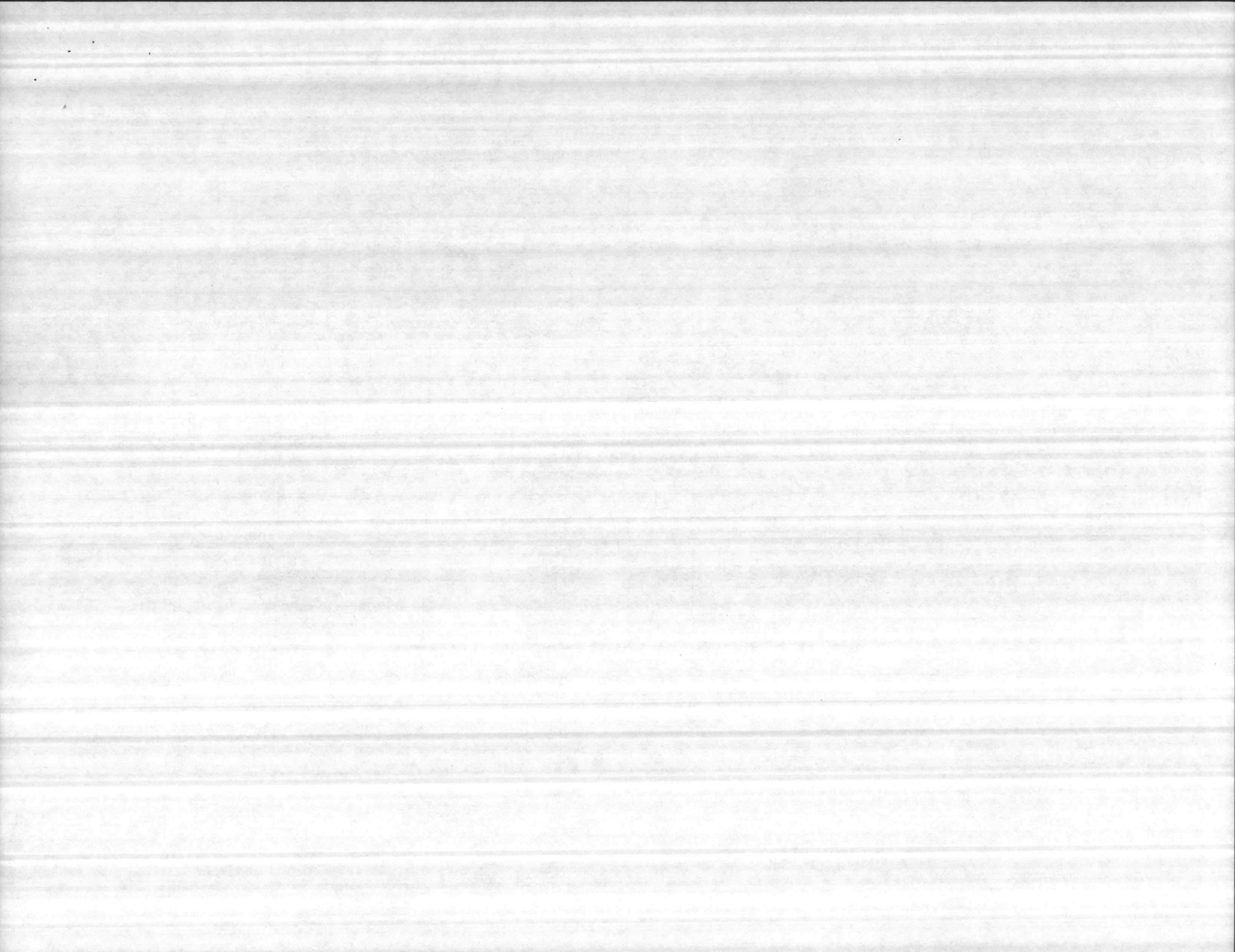
SHEET 10 of \_\_\_\_\_

Const. Contr. No. N62470-81-B-1766

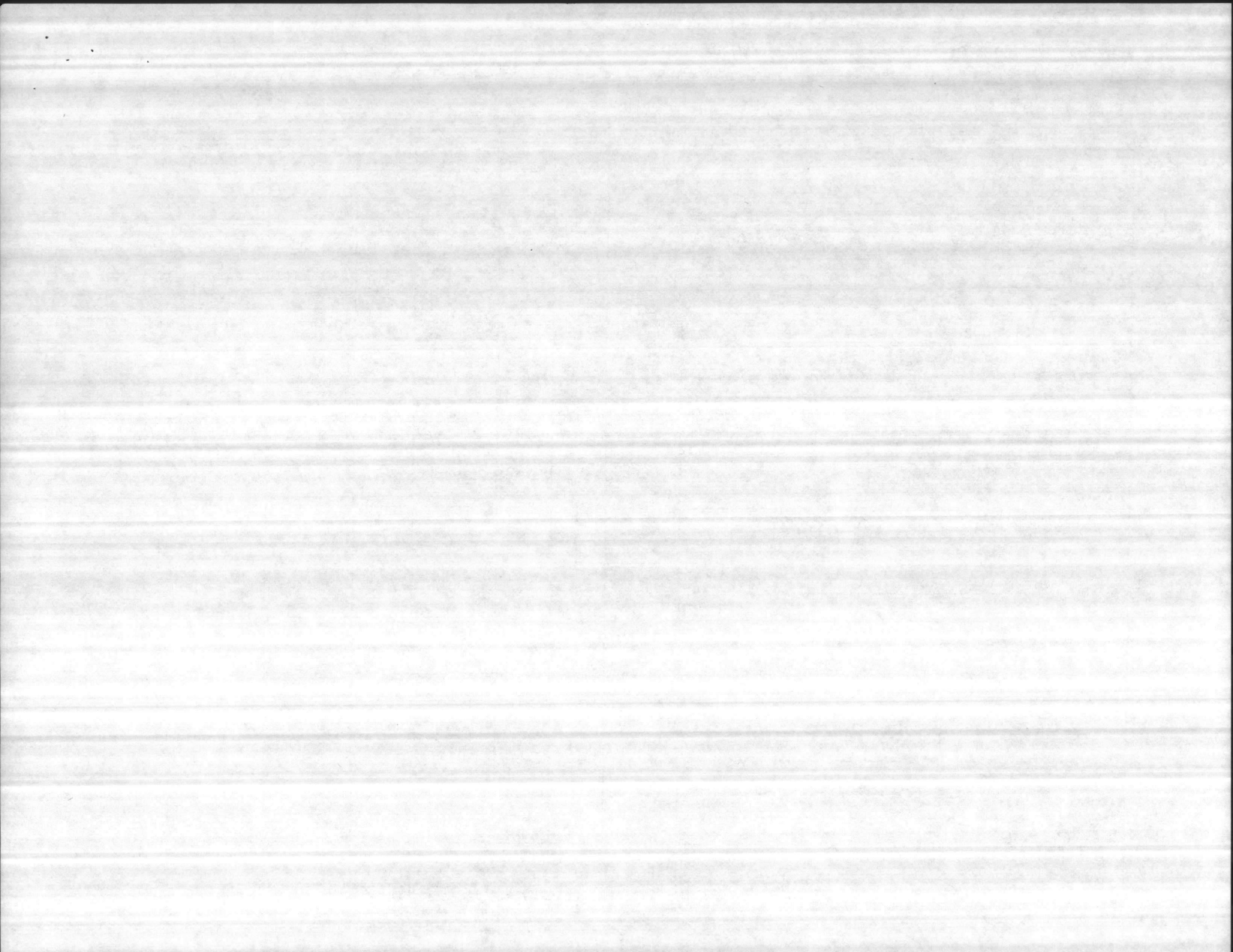
DATE 14 May 82

PRELIM.  FINAL

PROJECT		LOCATION		MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
Public Works Bldg., Helipad, & Landscaping		Camp Lejeune, NC		UNIT	TOTAL	UNIT	TOTAL		
ITEMS	QUANTITY	UNIT							
<b>0800-DOORS AND WINDOWS</b>									
<b>SUMMARY</b>									
HOLLOW METAL DOORS					3176		58	3234	
WOOD DOORS					727		18	745	
HOLLOW METAL FRAMES					1447		525	1972	
FINISH HARDWARE					10084		1752	11836	
COILING STEEL DOOR (SUB CONTRACT)					-		-	13929	
INTERIOR GLAZING SYSTEM					48		25	127	
EXTERIOR " " (SUB CONTRACT)					-		-	6261	
CAULKING " "					-		-	338	
PAINTING " "					-		-	1759	
DOOR GLAZING " "					-		-	7	
<b>SUB TOTAL</b>					15482		2378	40208	
<b>MAT'L. TAX (4%) LABOR TAX (18%)</b>					619		428	1047	
<b>SUB TOTAL</b>								41255	
<b>OVERHEAD (8% 17860)</b>								1429	
<b>SUB TOTAL</b>								42684	
<b>PROFIT (6% 17860)</b>								1072	
<b>SUB TOTAL</b>								43756	
<b>PRIME PROFIT ON SUBS (10% 22348)</b>								2235	
								45991	
<b>BOND (.75%)</b>								345	
								46336	
<b>ESCALATION (5.1%)</b>								2363	
								48699	48700









**MATERIAL & LABOR COST ESTIMATE**

LANTDIV NORVA 4-11012/5 (REV. 12/80)

SHEET 12 of 73

PREPARED BY Lock.Gr./Six Assoc.

**ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND**

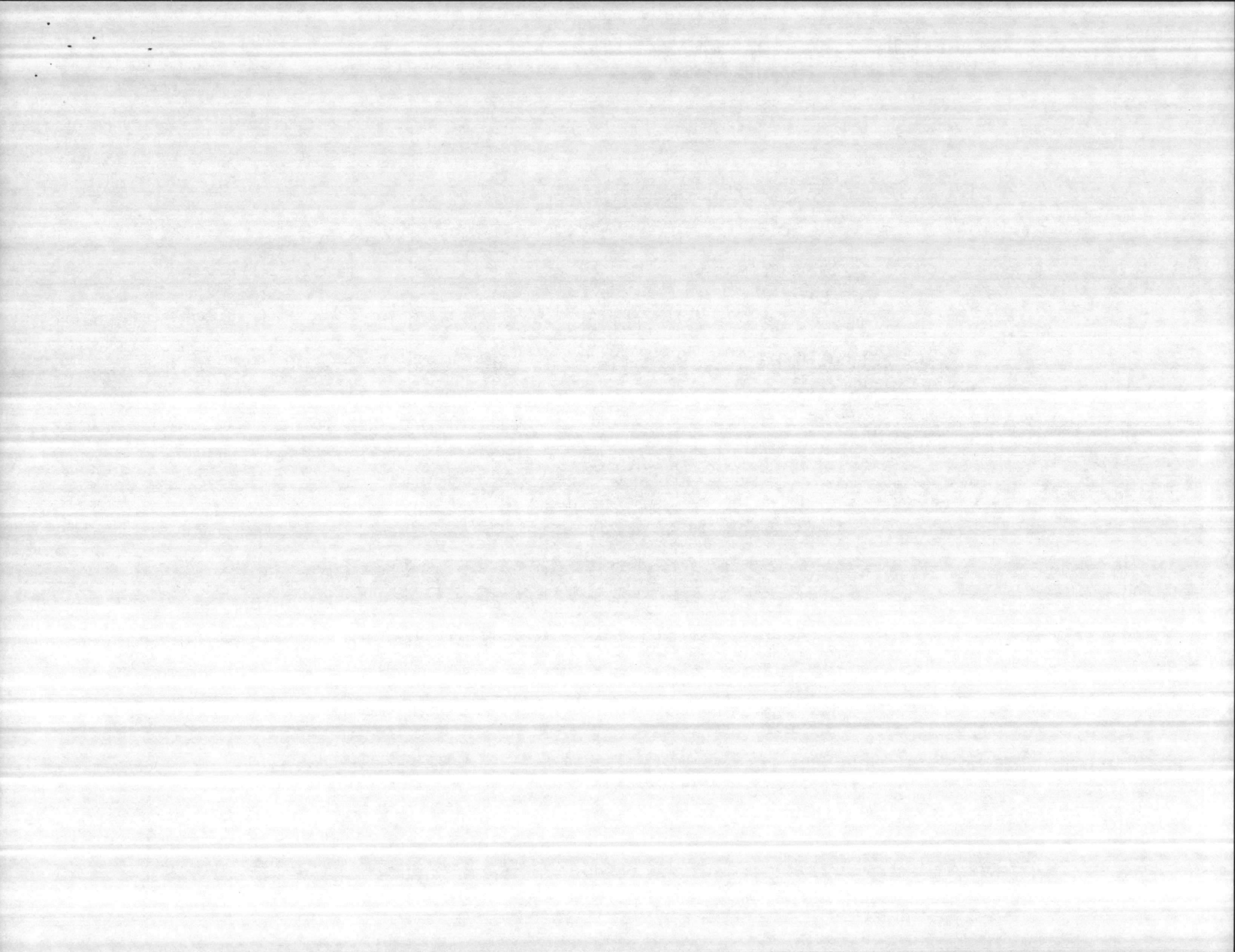
Const. Contr. No. N62470-81-B-17

FUNDS AVAIL. \_\_\_\_\_

NORFOLK, VIRGINIA

DATE 14 May 82

PROJECT		LOCATION									
Public Works Bldg., Helipad, & Landscaping		Camp Lejeune, NC								<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL	
ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS			
			UNIT	TOTAL	UNIT	TOTAL					
0800 - DOORS AND WINDOWS											
WOOD DOORS (08210)											
SOLID CORE, NWMA I.S.I. TYPE II, SLICED RED OAK VENEER											
SINGLE	5	EA.	80 <sup>65</sup>	403			403	PRICES FR			
"	2	"	86 <sup>20</sup>	172			172	ALGOMA HY			
CUT FOR HARDWARE	7	"	21 <sup>75</sup>	152			152	WOOD, INC			
UNLOAD, STORE, PROTECT & DELIVER TO BLDG.	7	"			2 <sup>50</sup>	18	18	D. SCHULLI 800-558-80			
TOTAL WOOD DOORS				727		18	745	ALGOMA, W			



**MATERIAL & LABOR COST ESTIMATE**

PREPARED BY Lock.Gr./Six Assoc.

LANTDIV NORVA 4-11012/5 (REV. 12/80)

**ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND**

NORFOLK, VIRGINIA

SHEET 13 of 73

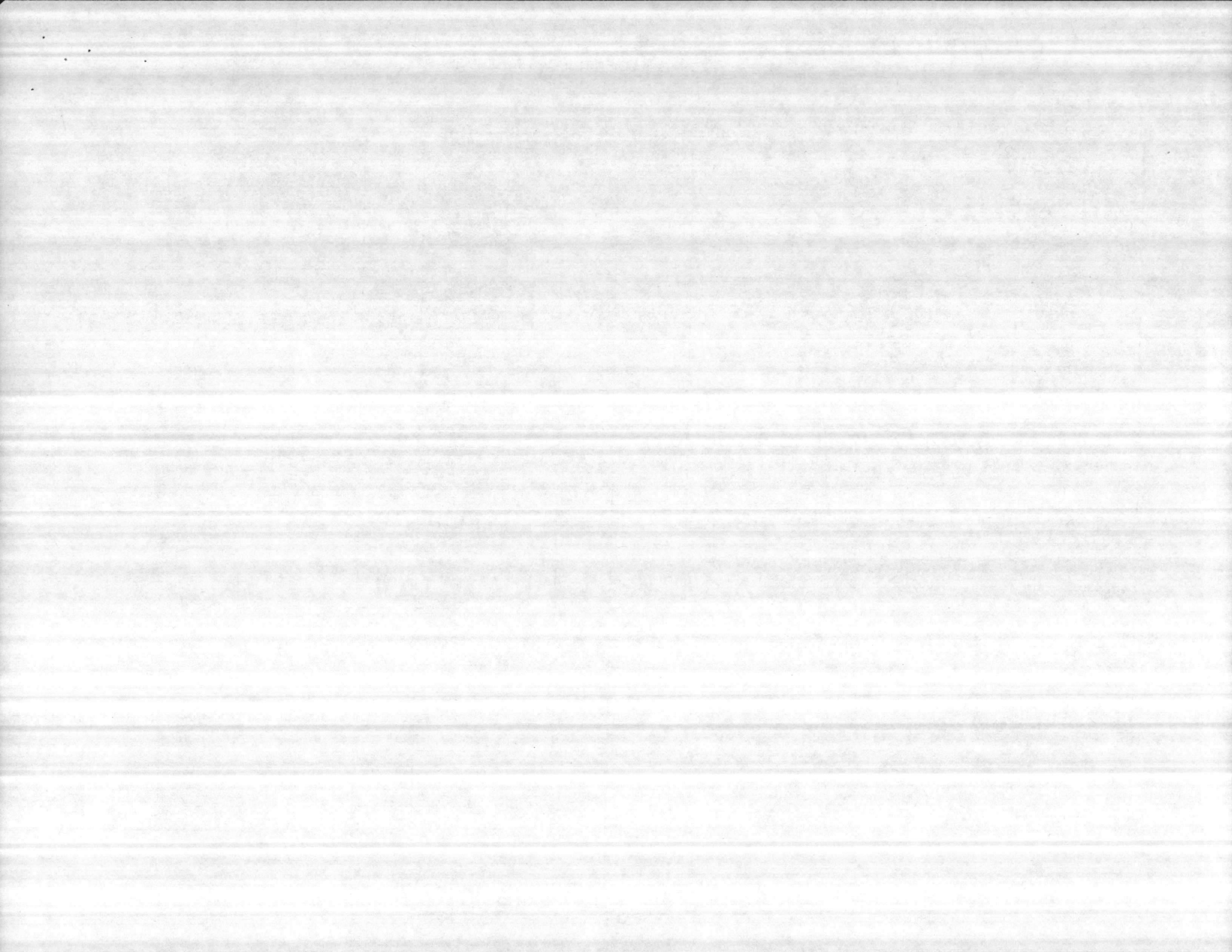
Const. Contr. No. N62470-81-B-176

DATE 14 May 82

FUNDS AVAIL. \_\_\_\_\_

PROJECT		LOCATION		MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
Public Works Bldg., Helipad, & Landscaping		Camp Lejeune, NC		UNIT	TOTAL	UNIT	TOTAL		
0800 - DOORS AND WINDOWS									
HOLLOW METAL FRAMES - SDI-100									
ALL FRAMES WELDED TYPE - 16 GA.									
3'-0" x 7'-0" DEPTH	6 <sup>3</sup> / <sub>8</sub> "	5	EA	40	200	15	75	275	MATERIAL PR
3'-0" x 7'-10"	8 <sup>3</sup> / <sub>4</sub> "	16	"	45	720	15	240	960	FROM ALLAN
6'-0" x 7'-10"	8 <sup>3</sup> / <sub>4</sub> "	3	"	60	180	15	45	225	SHAW Co.
3'-0" x 7'-10"	12 <sup>3</sup> / <sub>4</sub> "	5	"	55	275	15	75	350	ASHEVILLE, I
6'-0" x 7'-10"	12 <sup>3</sup> / <sub>4</sub> "	1	"	72	72	15	15	87	(704) 254-46
UNLOAD, SORT, STORE, PROTECT,		-	-	-	-	-	-	-	
AND DELIVER TO BLDG.		30	EA.	-	-	250	75	75	
TOTAL HOL. MET. DOOR FRAMES					1447		525	1972	

PRELIM.  FINAL



**MATERIAL & LABOR COST ESTIMATE**

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

**ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND**

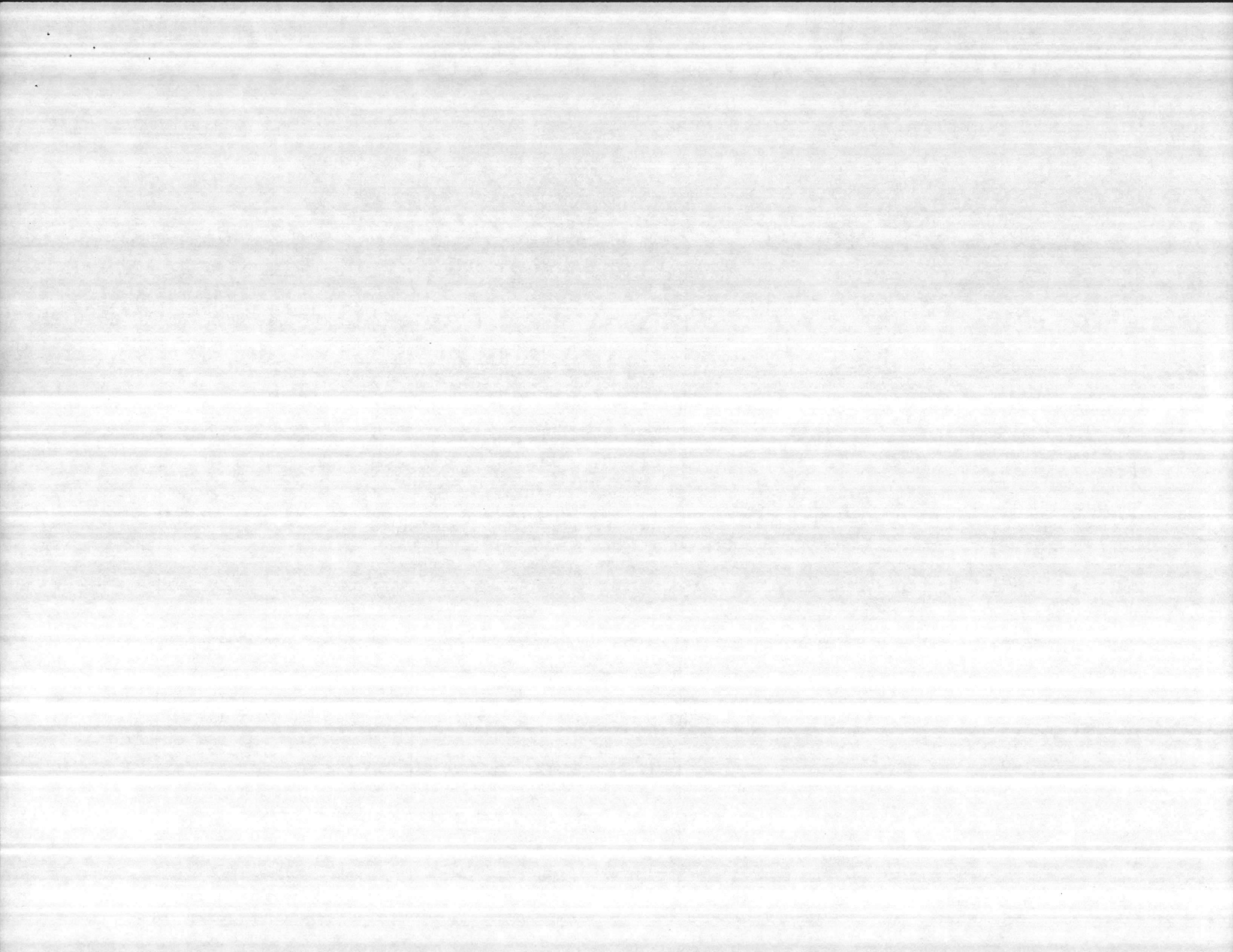
NORFOLK, VIRGINIA

SHEET 14 of 73

Const. Contr. No. N62470-81-B-176

DATE 14 May 82

PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>				LOCATION <u>Camp Lejeune, NC</u>				<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL	
ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS	
			UNIT	TOTAL	UNIT	TOTAL			
<b>0800 - DOORS - WINDOWS</b>									
<b>FINISH HARDWARE</b>									
HARDWARE SET NO. 1 EXT.	8	EA.	120	960	12	96	1056	MATERIAL PR	
2	7	"	468	3276	65	455	3731	BY ALLAN ST	
3	1	"	920	920	65	65	985	Co.	
4	3	"	595	1785	84	252	2037	ASHEVILLE, N	
10 INT.	5	"	108	540	28	140	680	800-254-461	
11	3	"	138	414	45	135	549		
12	5	"	125	625	31	155	780		
14	2	"	138	276	45	90	366		
15	1	"	125	125	65	65	190		
16	3	"	196	588	31	93	681		
17	1	"	290	290	75	75	365		
MOP PLATES	37	"	5	185	3	111	296		
KEY CONTROL SYSTEM	1	"	100	100	20	20	120		
<b>TOTAL FINISH HARDWARE</b>				<b>10084</b>		<b>1752</b>	<b>11836</b>		



**MATERIAL & LABOR COST ESTIMATE**

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

**ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND**

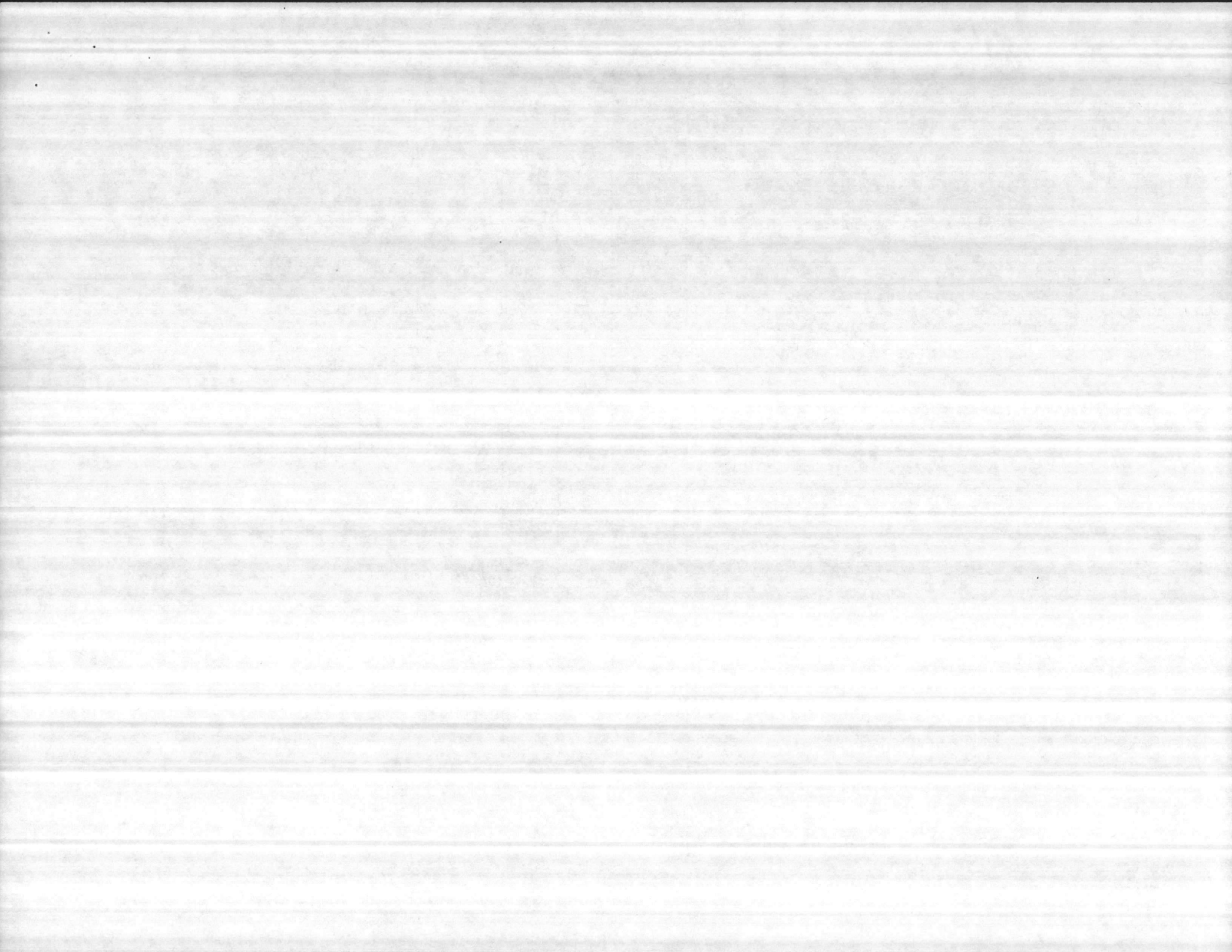
NORFOLK, VIRGINIA

SHEET 15 of 13

Const. Contr. No. N62470-81-B-17

DATE 14 May 82

PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>		LOCATION <u>Camp Lejeune, NC</u>				<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL			
ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS	
			UNIT	TOTAL	UNIT	TOTAL			
<u>0800 - COILING STEEL DOORS</u> <u>(08330)</u>									
<u>11'-4" x 12'-0" (CHAIN OP.)</u>	<u>2</u>	<u>EA.</u>	<u>SUBCONTRACT @</u>		<u>1520</u>	<u>3040</u>	<u>PRICES FRC</u>		
<u>11'-4" x 12'-0" (MOTOR OP.)</u>	<u>1</u>	<u>"</u>		<u>"</u>	<u>2305</u>	<u>2305</u>	<u>OVERHEAD</u>		
<u>10'-0" x 12'-0" (3 HR. LABEL)</u>	<u>1</u>	<u>"</u>		<u>"</u>	<u>1852</u>	<u>1852</u>	<u>DOOR Co.</u>		
<u>10'-0" x 12'-0" (CHAIN OP.)</u>	<u>1</u>	<u>"</u>		<u>"</u>	<u>1450</u>	<u>1450</u>	<u>E. MILLER</u>		
<u>8'-8" x 12'-0" "</u>	<u>3</u>	<u>"</u>		<u>"</u>	<u>1360</u>	<u>4080</u>	<u>800 274-209</u>		
<u>7'-8" x 10'-0" "</u>	<u>1</u>	<u>"</u>		<u>"</u>	<u>1202</u>	<u>1202</u>	<u>ASHEVILLE,</u>		
<u>TOTAL COILING STEEL DOORS</u>						<u>13929</u>			





**MATERIAL & LABOR COST ESTIMATE**

PREPARED BY Lock.Gr./Six Assoc.

LANTDIV NORVA 4-11012/5 (REV. 12/80)

**ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND**

SHEET 16 of 73.

Const. Contr. No. N62470-81-B-17

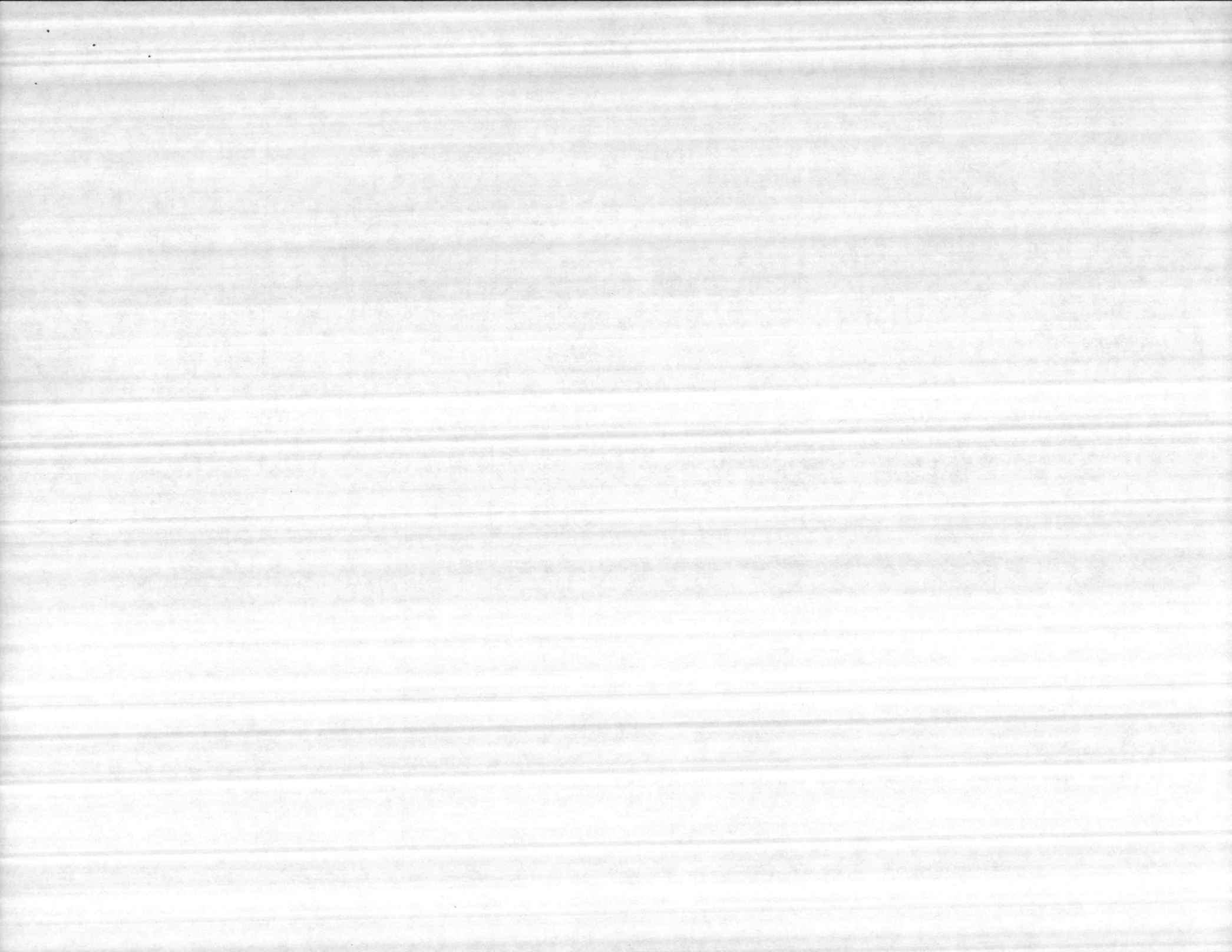
DATE 14 May 82

FUNDS AVAIL. \_\_\_\_\_

NORFOLK, VIRGINIA

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
<b>0800 INTERIOR GLAZING SYSTEM</b>								
<b>1/4" TEMPERED GLASS</b>	<b>9</b>	<b>SF</b>	<b>SUBCONTRACT @</b>		<b>6<sup>00</sup></b>		<b>54</b>	
<b>METAL FRAME, 16 GA. WELDED:</b>								
<b>5 3/4" OPEN SECT.</b>	<b>14</b>	<b>LF</b>	<b>1<sup>75</sup></b>	<b>25</b>			<b>25</b>	
<b>GLASS OPNG</b>	<b>1</b>	<b>EA</b>	<b>18</b>	<b>18</b>			<b>18</b>	
<b>PREMIUM FOR CONT. WELD</b>	<b>4</b>	<b>"</b>	<b>1<sup>25</sup></b>	<b>5</b>			<b>5</b>	
<b>INSTALLATION</b>	<b>1</b>	<b>"</b>			<b>25</b>	<b>25</b>	<b>25</b>	
<b>TOTAL INTERIOR GLAZING SYSTEM</b>				<b>48</b>		<b>25</b>	<b>127</b>	



MATERIAL & LABOR COST ESTIMATE

PREPARED BY Lock.Gr./Six Assoc.

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

SHEET 17 of 73.

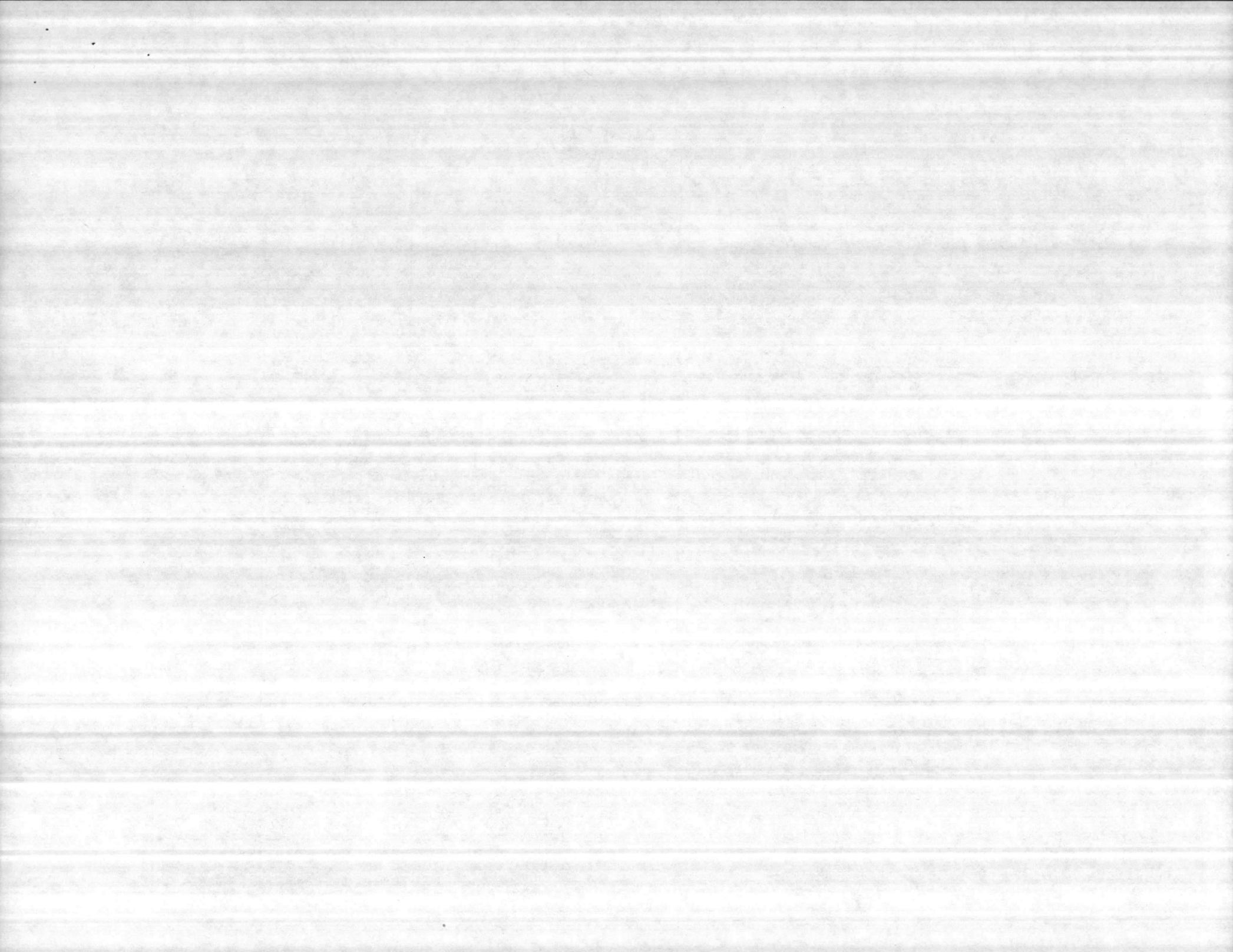
Const. Contr. No. N62470-81-B-1

DATE 14 May 82

FUNDS AVAIL. \_\_\_\_\_

NORFOLK, VIRGINIA

PROJECT		LOCATION		MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
Public Works Bldg., Helipad, & Landscaping		Camp Lejeune, NC		UNIT	TOTAL	UNIT	TOTAL		
0800 EXTERIOR GLAZING SYSTEM									
SLIDING DISPATCH WINDOW -									
ALUM. FRAME WITH BLACK									
ANODIZED FINISH - 1/4" INSUL,									
GLASS (08516) 2'-4" X 3'-0"									
	1	EA.	SUBCONTRACT @		190		190	PRICES QUO	
1" INSULATED GLASS; EXT.									
1/4" HEAT ABSORB. TEMPERED.									
INTERIOR 1/4" CLEAR TEMPERED									
	283	SF	SUBCONTRACT @		8 <sup>50</sup>		2406	BY JENNIN GLASS CO. SPARTANBURG JENSON BU 800-583-2-	
ALUMINUM FRAMING MEMBERS									
BLACK ANODIZED (08515)									
PERIMETER MEMBERS									
	155	LF	SUBCONTRACT @		12		1860		
VERT. HORIZ. MEMBERS									
	55	LF	"		11		605		
METAL CLAD ARCHITECTURAL									
WOOD DOOR WITH GLASS (METAL-									
.036 S.S. / GLASS 1/4" HEAT ABSORB.									
TEMPERED) (08240) 3' X 7'-10"									
	1	EA.			1200		1200		
TOTAL EXTERIOR GLAZING SYSTEM								6261	



MATERIAL & LABOR COST ESTIMATE

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FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

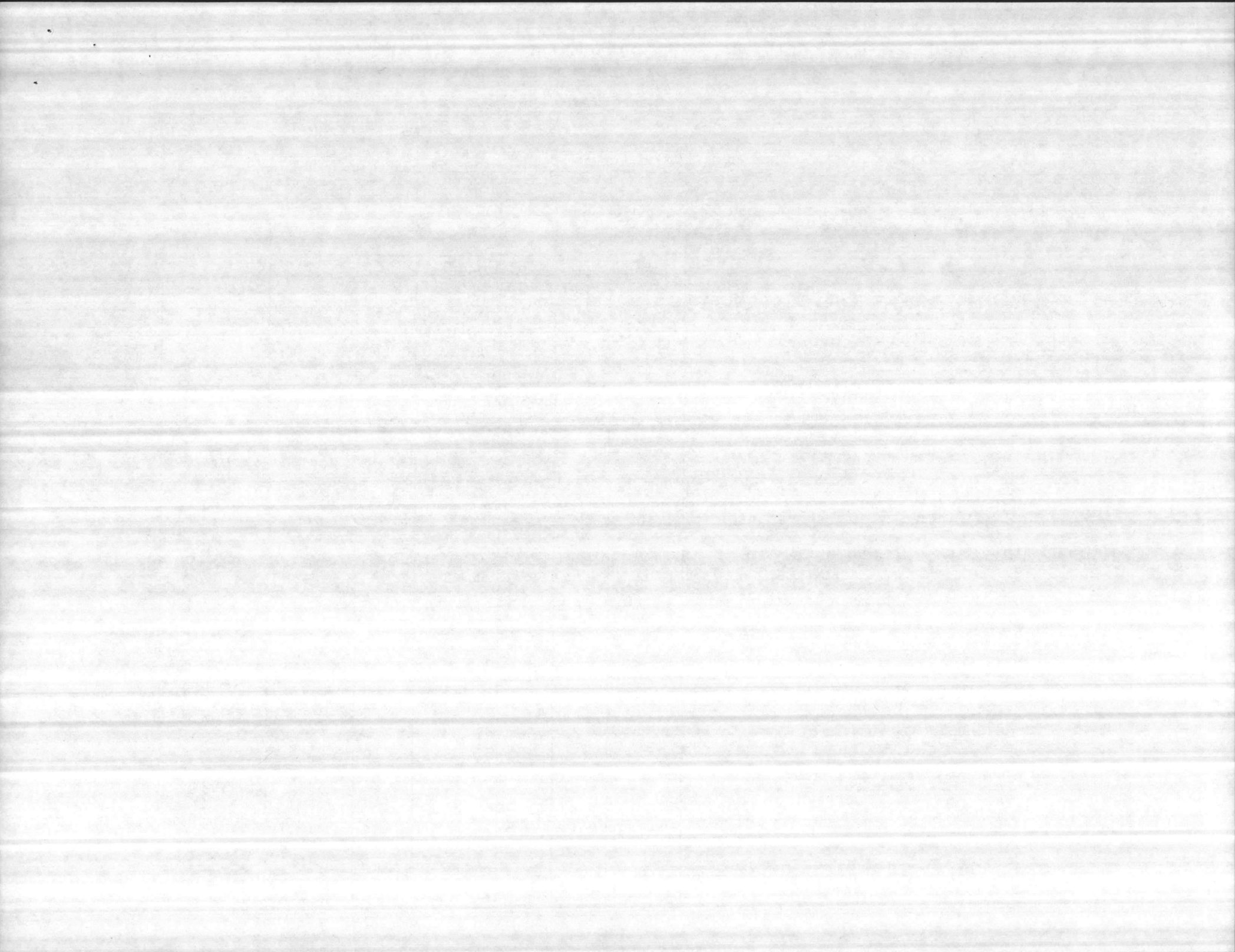
NORFOLK, VIRGINIA

SHEET 18 of 73

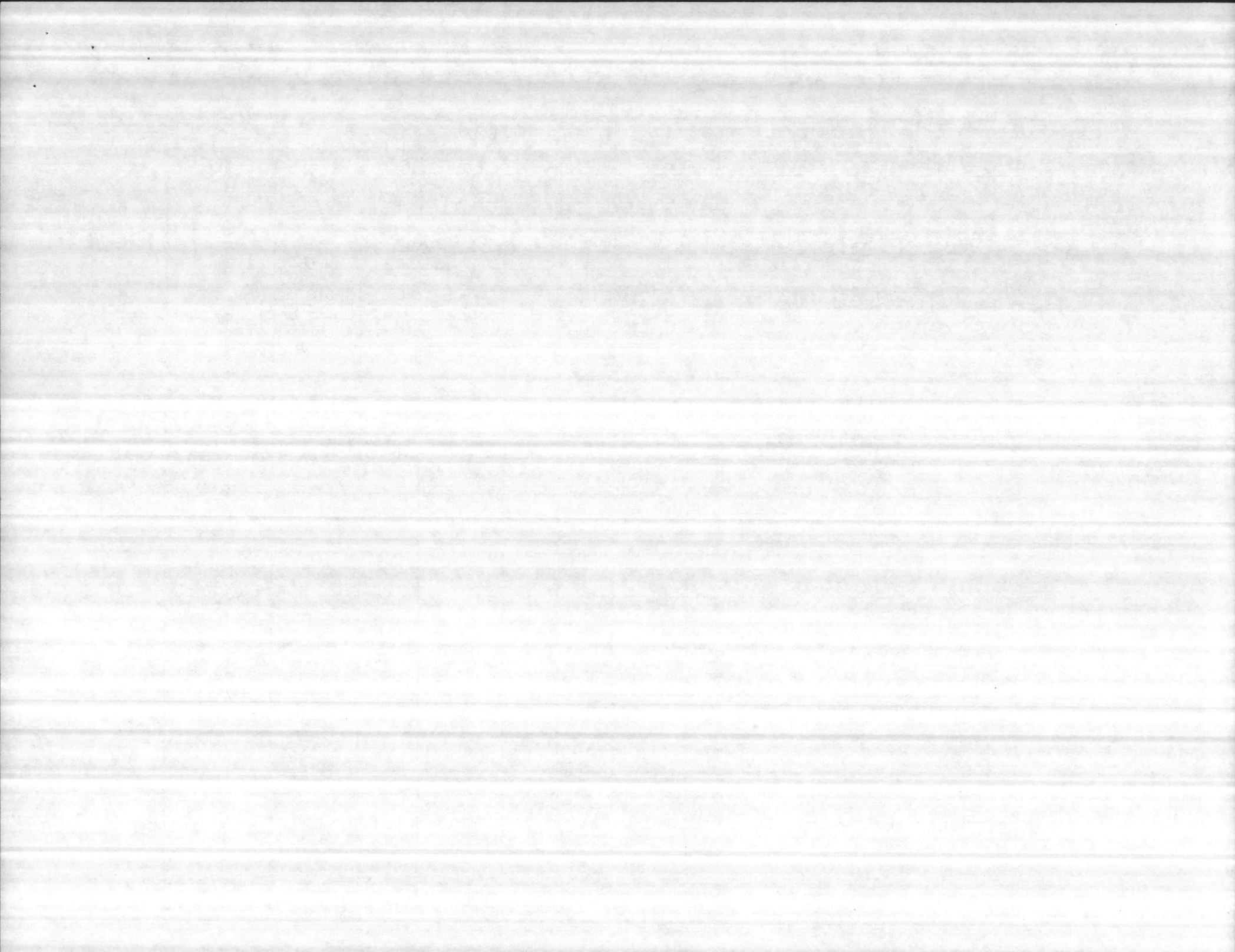
Const. Contr. No. N62470-81-B-17

DATE 14 May 82

PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>		LOCATION <u>Camp Lejeune, NC</u>				<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL			
ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS	
			UNIT	TOTAL	UNIT	TOTAL			
<u>0800 CAULKING</u>									
CAULKING: PERIMETER OF DOOR									
FRAMES	1322	LF	SUB CONTRACT @		.25	331			
PERIMETER OF WINDOW				"					
FRAMES	28	LF		"	"	.25	7		
TOTAL CAULKING							338		
<u>PAINTING</u>									
PAINt HOL, MET, DOOR LEAVES	29	EA	SUB CONTRACT @		15	435			
" " " " FRAMES	30	"		"	6.25	188			
COILING STEEL DOORS	2500	SF		"	.45	1125			
PAINt HOL, MET, WINDOW FRAME	14	LF		"	.75	11			
TOTAL PAINTING							1759		









**MATERIAL & LABOR COST ESTIMATE**

LANTDIV NORVA 4-11012/5 (REV. 12/80)

SHEET 20 of 73

PREPARED BY Lock.Gr./Six Assoc.

**ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND**

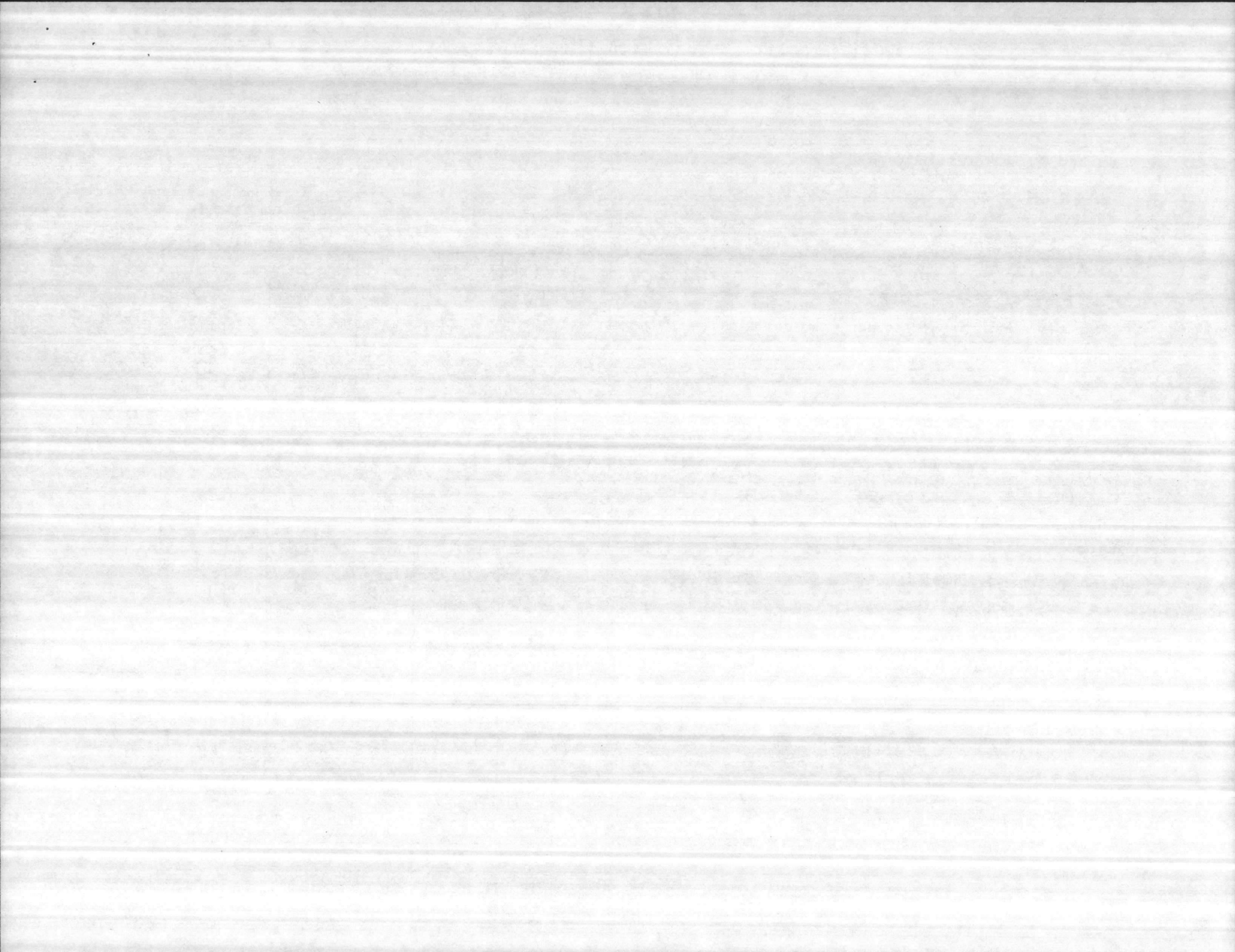
Const. Contr. No. N62470-81-B-17

FUNDS AVAIL. \_\_\_\_\_

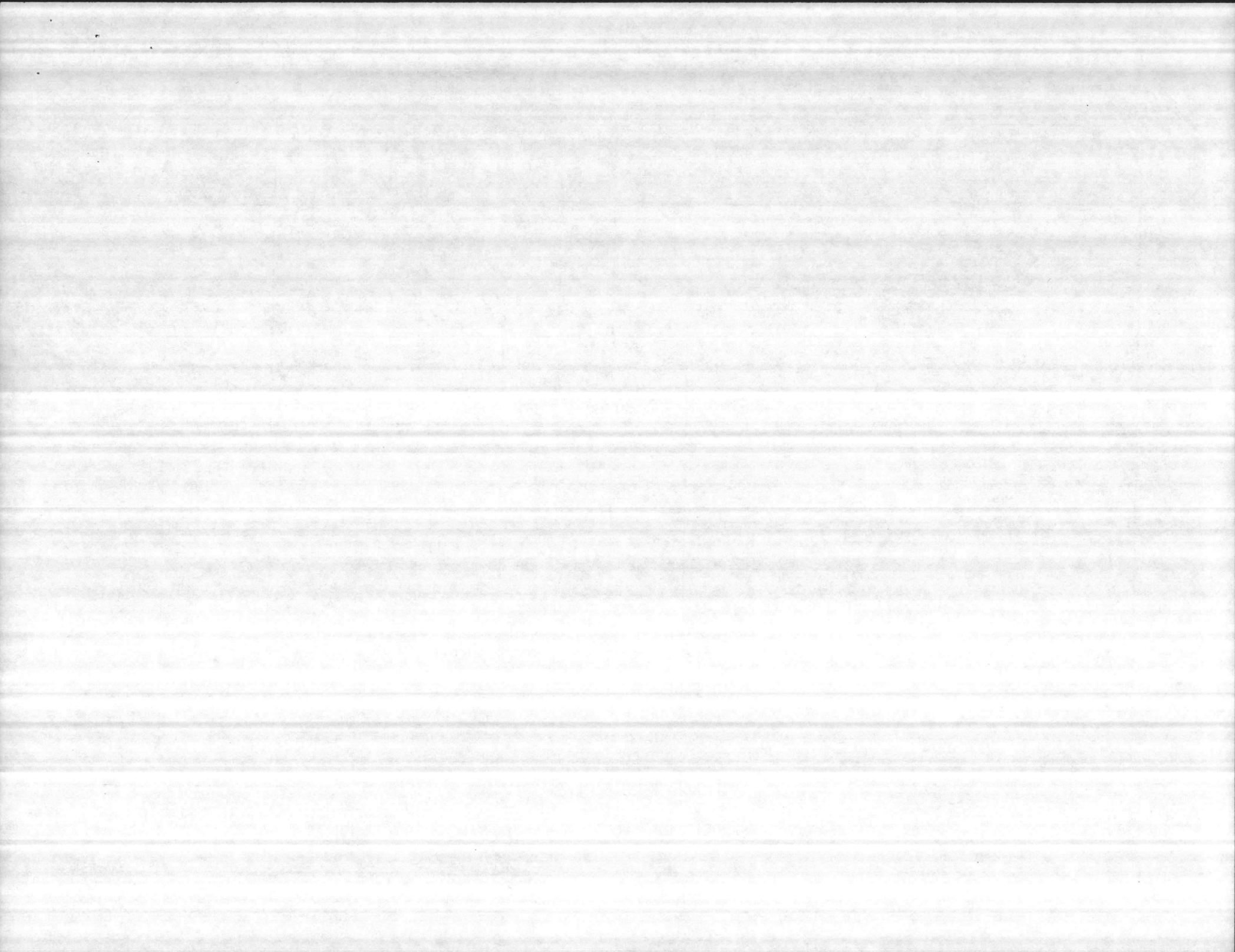
NORFOLK, VIRGINIA

DATE 14 May 82

PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>				LOCATION <u>Camp Lejeune, NC</u>				<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL	
ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS	
			UNIT	TOTAL	UNIT	TOTAL			
<u>0900 SPECIALTIES</u>									
TOILET TISSUE DISP.	3	EA	38 <sup>60</sup>	116	4 <sup>00</sup>	12	128	MATERIAL	
SHOWER ROD	2		17 <sup>60</sup>	35	4 <sup>00</sup>	8	43	PRICES FRC	
GRAB BAR - 24"	1		21 <sup>00</sup>	21	6 <sup>00</sup>	6	27	BOBRICK CA	
ROBE HOOK-DOUBLE	2		3 <sup>00</sup>	6	2 <sup>00</sup>	4	10	LOG UPDAT.	
COMB. TOWEL DISP. - WASTE REC.	2		222 <sup>00</sup>	444	20 <sup>00</sup>	40	480	TO 11 FEB 8	
GRAB BAR-52"	3		53 <sup>00</sup>	159	7 <sup>00</sup>	21	180		
ASH RECEIVER	2		61 <sup>00</sup>	122	9 <sup>50</sup>	19	141		
MOP & BROOM HOLDER	1		32 <sup>00</sup>	32	8 <sup>00</sup>	8	40		
METAL SHELF - 30"	1		30 <sup>00</sup>	30	10 <sup>00</sup>	10	40		
PAIL OR LADDER HOOK	1		11 <sup>60</sup>	12	4 <sup>00</sup>	4	16		
VACUUM HOSE HOLDER	1		9 <sup>20</sup>	9	6 <sup>50</sup>	7	16		
PAPER TOWEL DISP.	1		34 <sup>00</sup>	34	6 <sup>50</sup>	7	41		
COMB. MIRROR SHELF 16" X 24"	2		55 <sup>20</sup>	110	6 <sup>50</sup>	13	123		
SAN. NAPKIN DISPOSAL	1		28 <sup>00</sup>	28	8 <sup>00</sup>	8	36		
COMB. NAPKIN/TAMPON DISP.	1		206 <sup>60</sup>	207	8 <sup>00</sup>	8	215		
SOAP DISPENSER	4		15 <sup>60</sup>	62	8 <sup>00</sup>	32	94		
TILT MIRROR	2		78 <sup>00</sup>	158	8 <sup>00</sup>	16	174		
ANCHORS FOR GRAB BAR	8	↓	54 <sup>00</sup>	43	5 <sup>00</sup>	40	83		
SUB-TOTAL SPECIALTIES:					1628		253	1881	







MATERIAL & LABOR COST ESTIMATE

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

NORFOLK, VIRGINIA

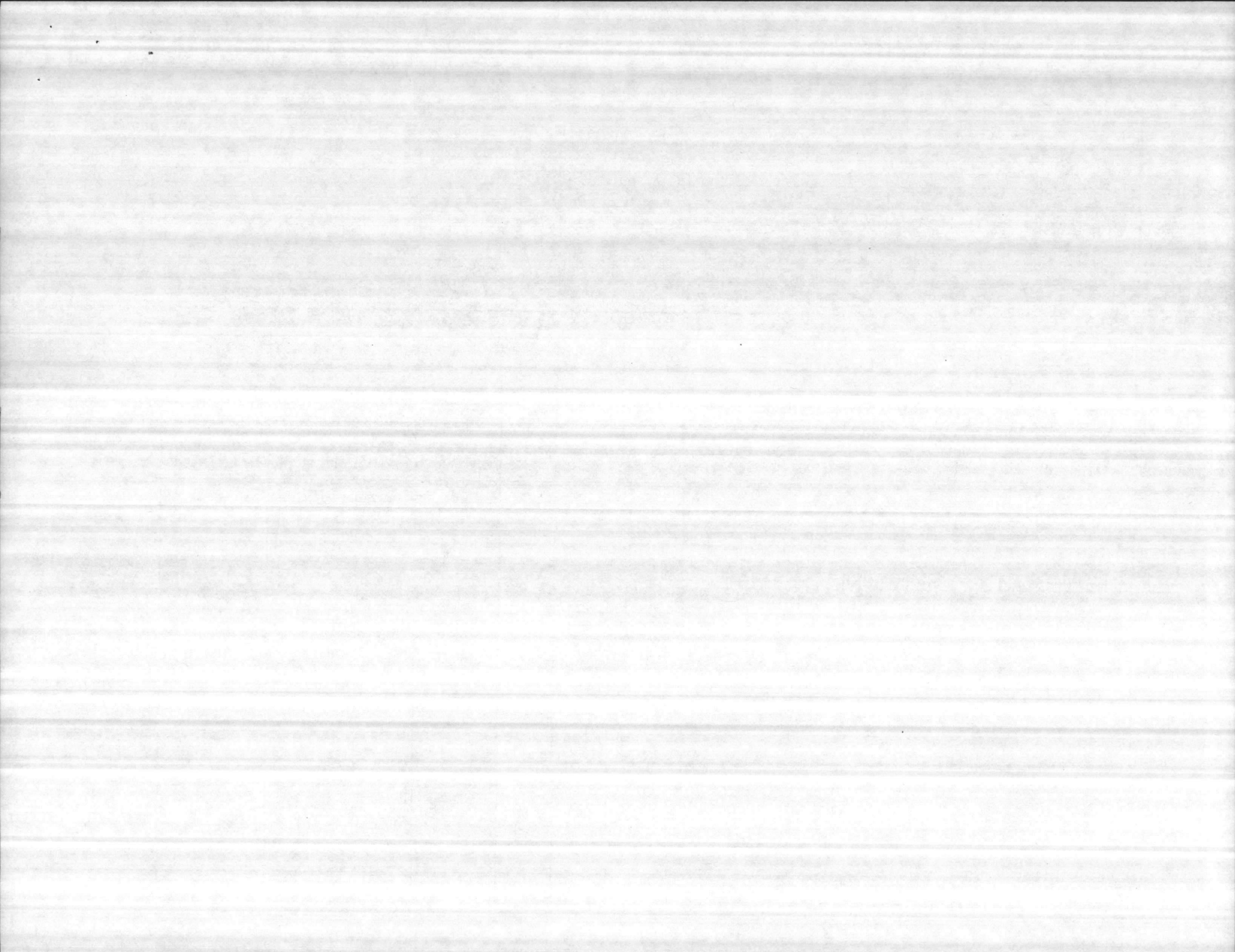
SHEET 22 of 73

Const. Contr. No. N62470-81-B-176

DATE 14 May 82

PROJECT		LOCATION		MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
Public Works Bldg., Helipad, & Landscaping	Camp Lejeune, NC	UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL		
1000	ITEMS								
	PUBLIC WORKS BUILDING								
	PLUMBING SUMMARY								
	DIRECT COST				11,959		12,073	24,832	
	SALES TAX, PATROLL TAX & INSURANCE			4%	478	18%	2317	2,795	
								27,627	
	OVERHEAD			12%				3,315	
								30,942	
	PROFIT			8%				2,475	
								33,418	
	TOTAL								
	GENERAL CONTR MARK-UP	10%						3342	
								36,760	
	ESCALATION	5%						1,838	
	TOTAL							38,598	<u>38,600</u>

PRELIM.  FINAL



MATERIAL & LABOR COST ESTIMATE

LANTDIV NORVA 4-11012/5 (REV. 12/80)

PREPARED BY Lock.Gr./Six Assoc.

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

Const. Contr. No. N62470-81-B-176

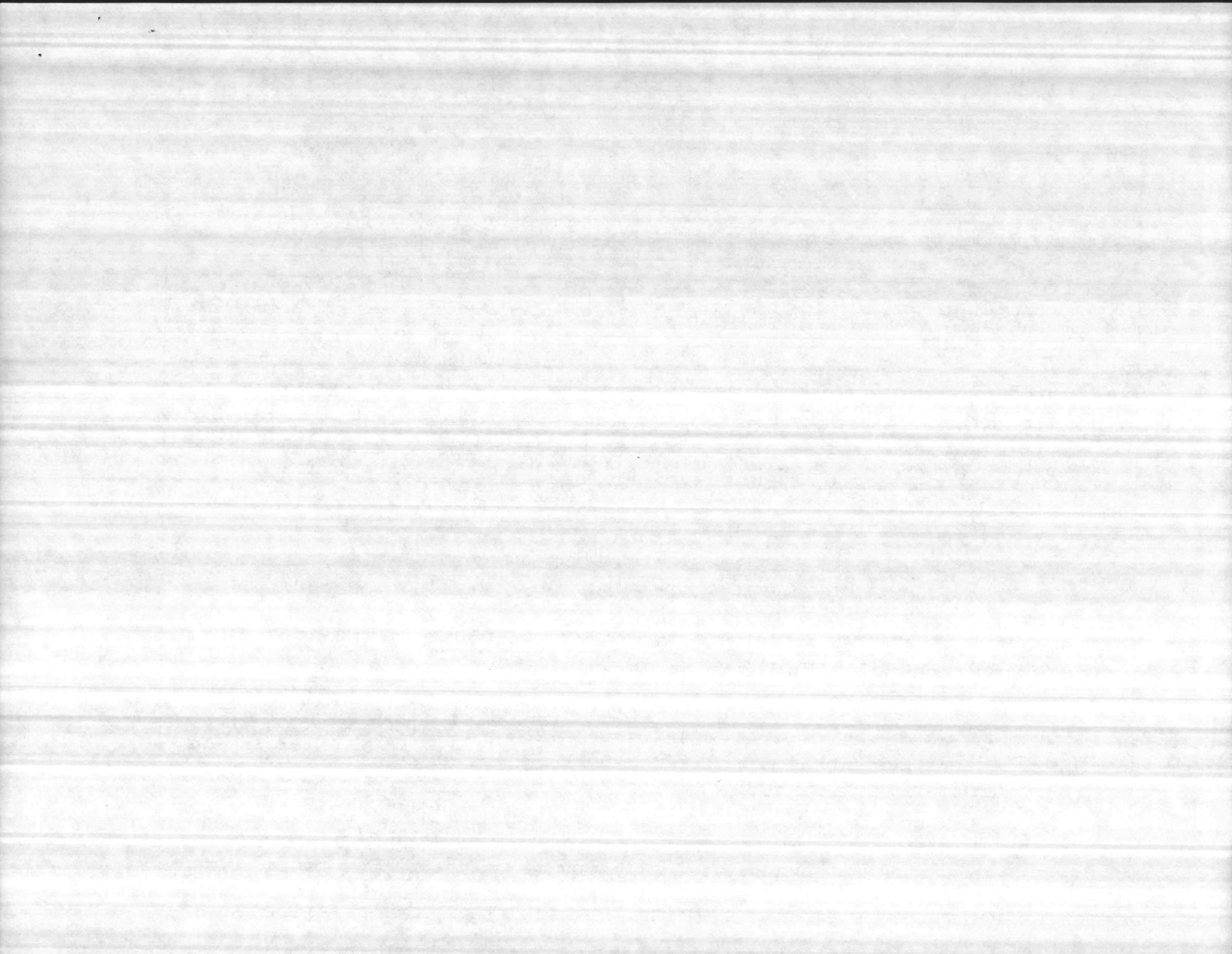
FUNDS AVAIL. \_\_\_\_\_

NORFOLK, VIRGINIA

DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

1000	ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
				UNIT	TOTAL	UNIT	TOTAL		
<b>PLUMBING</b>									
<b>FIXTURES</b>									
	WATER CLOSET (P-1)	3	EA.	195	585	110	330	915	
	URINAL (P-2)	2		260	520	110	220	740	
	LAVATORY (P-3)	4		61	244	35	140	384	
	SERV. SINK (P-4)	1		200	200	63	63	263	
	KITCHEN SINK (P-5)	1		205	205	87	87	292	
	WATER COOLER (P-6)	1		400	400	69	69	469	
	SHOWER (P-7)	2		73	146	26	52	198	
	52 GAL. WATER HEATER	1		120	120	77	77	197	
	CARRIER, WATER CLOSET								
	BACK TO BACK	1		150	150	31	31	181	
	SINGLE	1	↓	84	84	26	26	110	
	PIPE, SERV. WT. CAST IRON		L.F.						
	2"	105		2.85	299.25	5.55	582.75	882.00	
	3"	83		3.54	293.82	5.80	481.40	775.22	
	4"	69	↓	4.68	322.92	6.30	434.70	757.62	
	PIPE, SERV. WT. C.I. FITTINGS		EA.						
	2" 1/4 BEND	7		2.93	20.51	17.35	121.45	141.96	
	3"	4		5.75	23.00	19.80	79.20	102.20	
	4"	1		8.50	8.50	21.00	21.00	29.50	
	2" 1/8 BEND	5		2.28	11.40	17.35	86.75	98.15	
	3"	7		4.51	31.57	19.80	138.60	170.17	
	4"	1		6.75	6.75	21.00	21.00	27.75	
	2" SAN. TEE	—		4.56	—	28.00	—	—	
	4"	—	↓	11.50	—	35.00	—	—	





MATERIAL & LABOR COST ESTIMATE

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

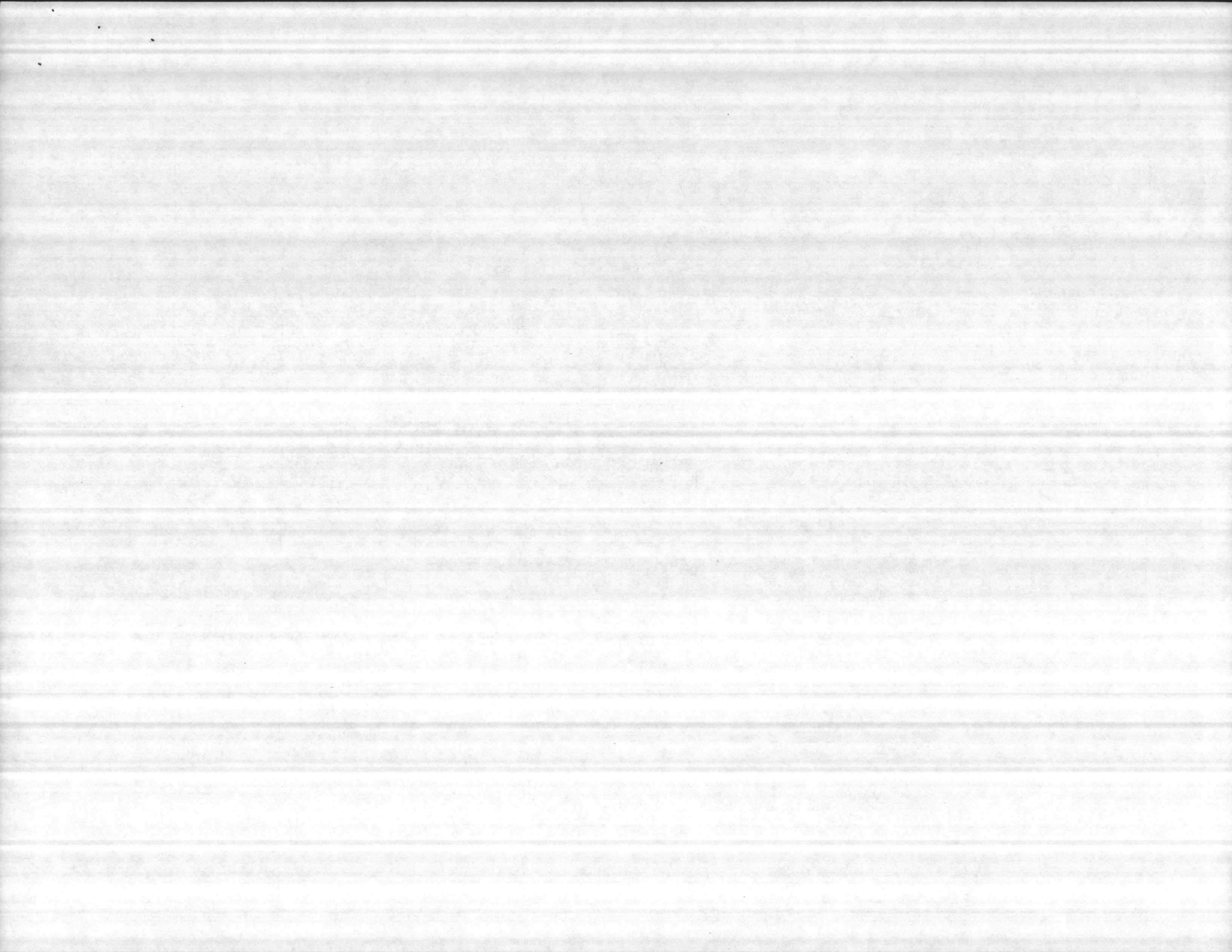
NORFOLK, VIRGINIA

SHEET 24 of 73

Const. Contr. No. N62470-81-B-1766

DATE 14 May 82

PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>		LOCATION <u>Camp Lejeune, NC</u>				<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL			
1000	ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
				UNIT	TOTAL	UNIT	TOTAL		
	PLUMBING								
	C.I. FITTINGS, CONT'D.		EA.						
	4" C.I. WYE	9		12.60	113.40	35.00	315.00	428.40	
	C.I. TAPPED TEE								
	2" x 1/2"	6		12.15	72.90	39.00	234.00	306.90	
	2" x 2"	2		12.15	24.30	39.00	78.00	102.30	
	4" C.I. WALL CLEAN-OUT	—							
	2" C.I. FLOOR CLEAN-OUT	1		34.00	34.00	15.40	15.40	49.40	
	3" C.I. FLOOR CLEAN-OUT	2		36.00	72.00	19.25	38.50	110.50	
	3" C.I. FLOOR DRAIN	2		24.00	48.00	23.00	46.00	94.00	
	4" C.I. FLOOR DRAIN	1		55.00	55.00	28.00	28.00	83.00	
	C.I. SERV. WT. REDUCER								
	4" x 2"	4		3.83	15.32	19.10	76.40	91.72	
	4" x 3"	2	↓	3.92	7.84	19.80	39.60	47.44	
	PIPE, TYPE "L" COPPER		L.F.						
	1/2"	171		1.01	172.71	2.91	497.61	670.32	
	3/4"	232		1.56	361.92	3.50	812.00	1173.92	
	1"	143		1.71	244.53	4.28	612.04	856.57	
	1 1/4"	88		2.24	197.12	5.30	466.40	663.52	
	1 1/2"	32		2.80	89.60	5.70	182.40	272.00	
	2"	76	↓	4.14	314.64	6.70	509.20	823.84	
	FITTINGS, COPPER, 90° ELL		EA.						
	1/2"	25		.14	3.50	7.70	192.50	196.00	
	3/4"	25	↓	.38	9.50	8.10	202.50	212.00	



MATERIAL & LABOR COST ESTIMATE

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

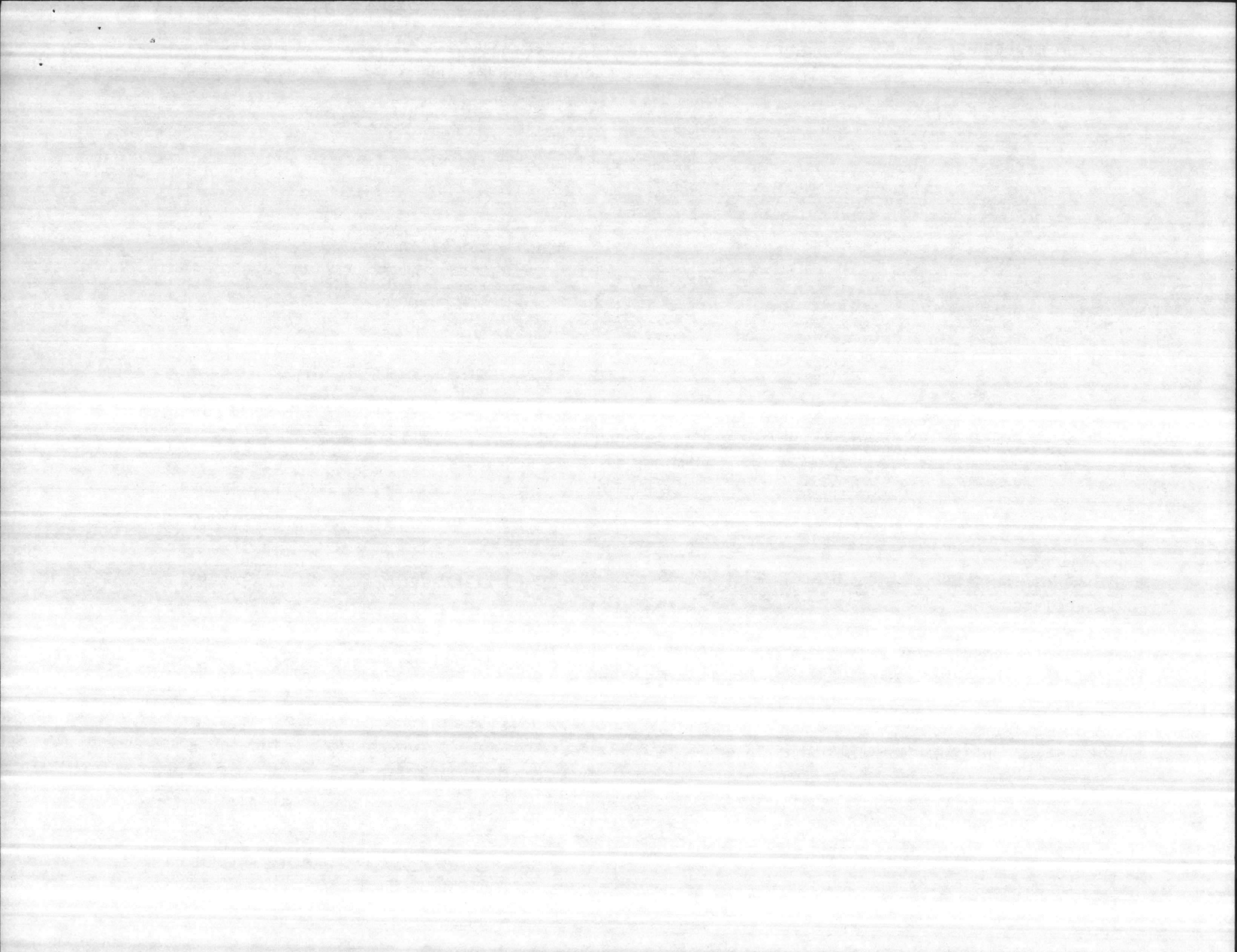
NORFOLK, VIRGINIA

SHEET 25 of 73

Const. Contr. No. N62470-81-B-176

DATE 14 May 82

PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>		LOCATION <u>Camp Lejeune, NC</u>				<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL			
1000	ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
				UNIT	TOTAL	UNIT	TOTAL		
<b>PLUMBING</b>									
	FITTINGS, COPPER, 90° ELL		EA.						
	1"	8		.69	5.52	9.65	77.20	82.72	
	1 1/4"	5		1.29	6.45	10.25	51.25	57.70	
	1 1/2"	2		1.71	3.42	11.85	23.70	27.12	
	2"	3		3.28	9.84	14.00	42.00	51.84	
	FITTINGS, COPPER, TEE								
	1/2"	4		.25	1.00	11.85	47.40	48.40	
	3/4"	3		.52	1.56	12.85	38.55	40.11	
	3/4" x 1/2"	5		.52	2.60	12.85	64.25	66.85	
	1"	2		1.96	3.92	15.40	30.80	34.72	
	1" x 1/2"	—							
	1" x 3/4"	3		1.96	1.96	15.40	15.40	17.36	
	1 1/4" x 1/2"	—							
	1 1/4" x 3/4"	3		2.83	8.49	17.10	51.30	59.79	
	1 1/2"	2		3.63	7.26	19.25	38.50	45.76	
	2"	—							
	2" x 3/4"	3		5.85	17.55	22.00	66.00	83.55	
	2" x 1 1/2"	2		5.85	11.70	22.00	44.00	55.70	
	3/4" HOSE BIBB	6		4.00	24.00	6.40	38.40	62.40	
	3/4" NON-FREEZE WALL HYD.	4		139	556.00	9.65	38.60	594.60	
	GATE VALVE, BZE. 2"	1		43	43.00	14.00	14.00	57.00	
	BALL VALVE, BZE.								
	3/4"	4		6.35	25.40	7.70	30.80	56.20	
	1"	2	↓	7.80	15.60	8.10	16.20	31.80	



**MATERIAL & LABOR COST ESTIMATE**

PREPARED BY Lock.Gr./Six Assoc.

LANTDIV NORVA 4-11012/5 (REV. 12/80)

**ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND**

SHEET 26 of 73

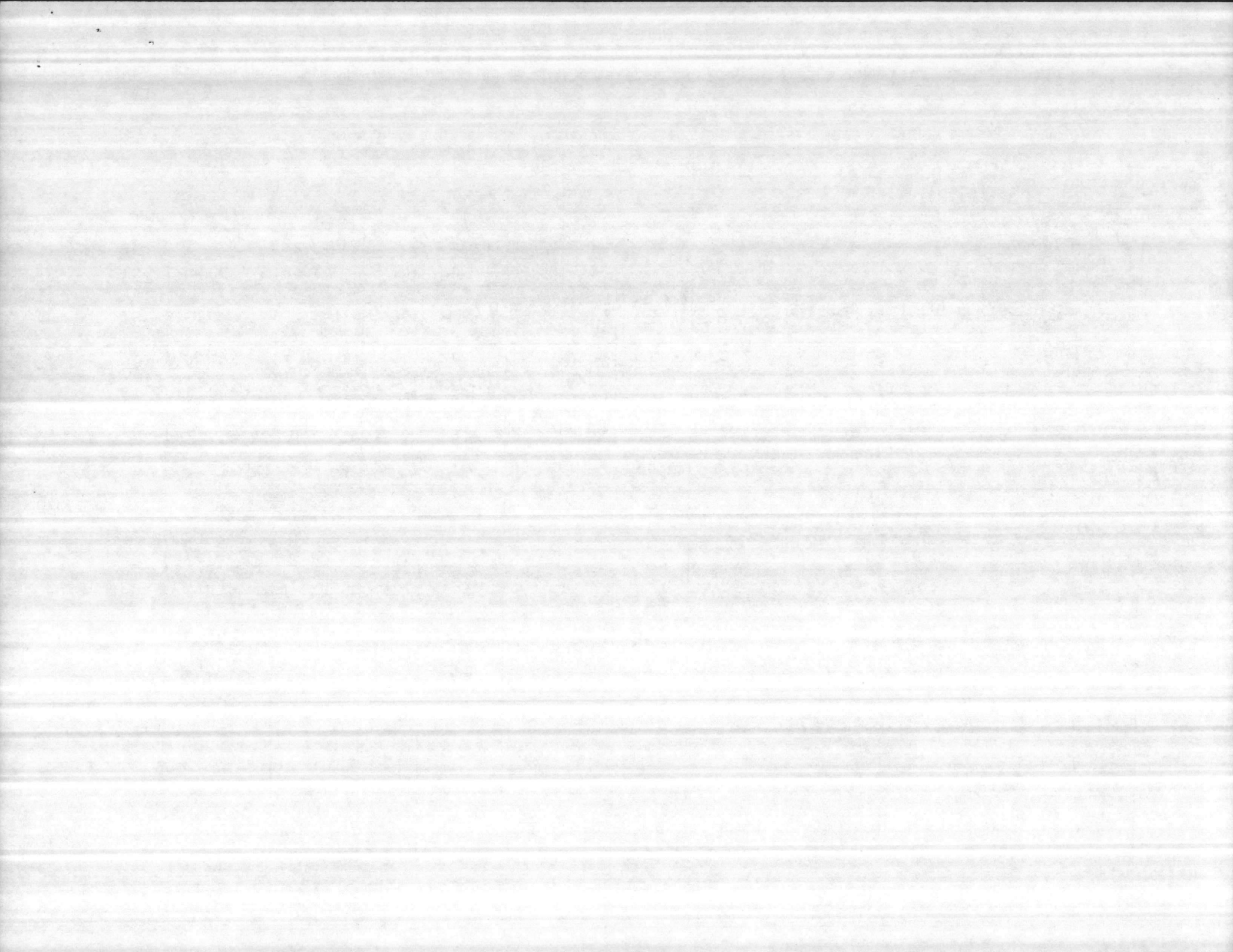
Const. Contr. No. N62470-81-B-176

DATE 14 May 82

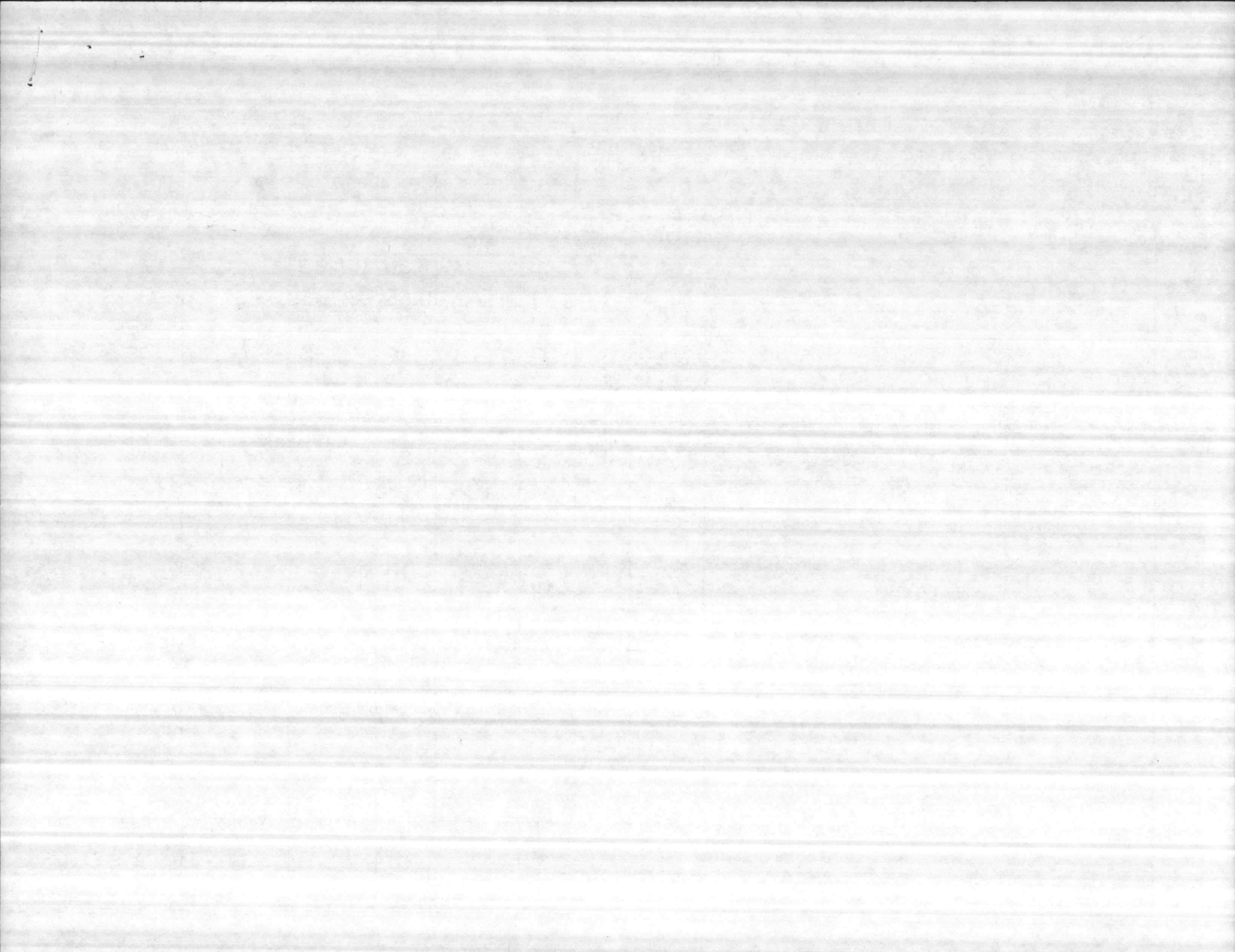
FUNDS AVAIL. \_\_\_\_\_

NORFOLK, VIRGINIA

PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>		LOCATION <u>Camp Lejeune, NC</u>						<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL	
1000	ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
				UNIT	TOTAL	UNIT	TOTAL		
	<b>PLUMBING</b>								
	BALL VALVE, BZE.		EA.						
	1/4"	1	↓	12.90	12.90	10.25	10.25	23.15	
	1/2"	1	↓	16.40	16.40	11.85	11.85	28.25	
	PIPE INSULATION, 1" THK.								
	PIPE SIZE 1/2"	171	L.F.	.63	107.73	1.13	193.23	300.96	
	3/4"	232		.72	167.04	1.17	271.44	438.48	
	1"	143		.76	108.68	1.23	175.89	284.57	
	1 1/4"	88		.85	74.80	1.29	113.52	188.32	
	1 1/2"	32		.94	30.08	1.29	41.28	71.36	
	2"	68		1.02	69.36	1.35	91.80	161.16	
	ADD 3 L.F. FOR EA. FITTING								
	1/2"	87		.63	54.81	1.13	98.31	153.12	
	3/4"	96		.72	69.12	1.17	112.32	181.44	
	1"	39		.76	29.64	1.23	47.97	77.61	
	1 1/4"	24		.85	20.40	1.29	30.96	51.36	
	1 1/2"	12		.94	11.28	1.29	15.48	26.76	
	2"	24	↓	1.02	24.48	1.35	32.40	56.88	
	39.3 CFM AIR COMPRESSOR								
	TWO STAGE, 7 1/2 H.P.	1	EA.	4000	4000	1000	1000	5000	
	PIPE, SCH. 40 GALV., THD. #C		LF.						
	1/2"	87		1.34	116.58	2.44	212.28	328.86	
	3/4"	76		1.51	114.76	2.52	191.52	306.28	
	1"	150	↓	2.10	315.00	2.91	436.50	751.50	
	1 1/2"	5	↓	2.97	14.85	3.47	17.35	32.20	

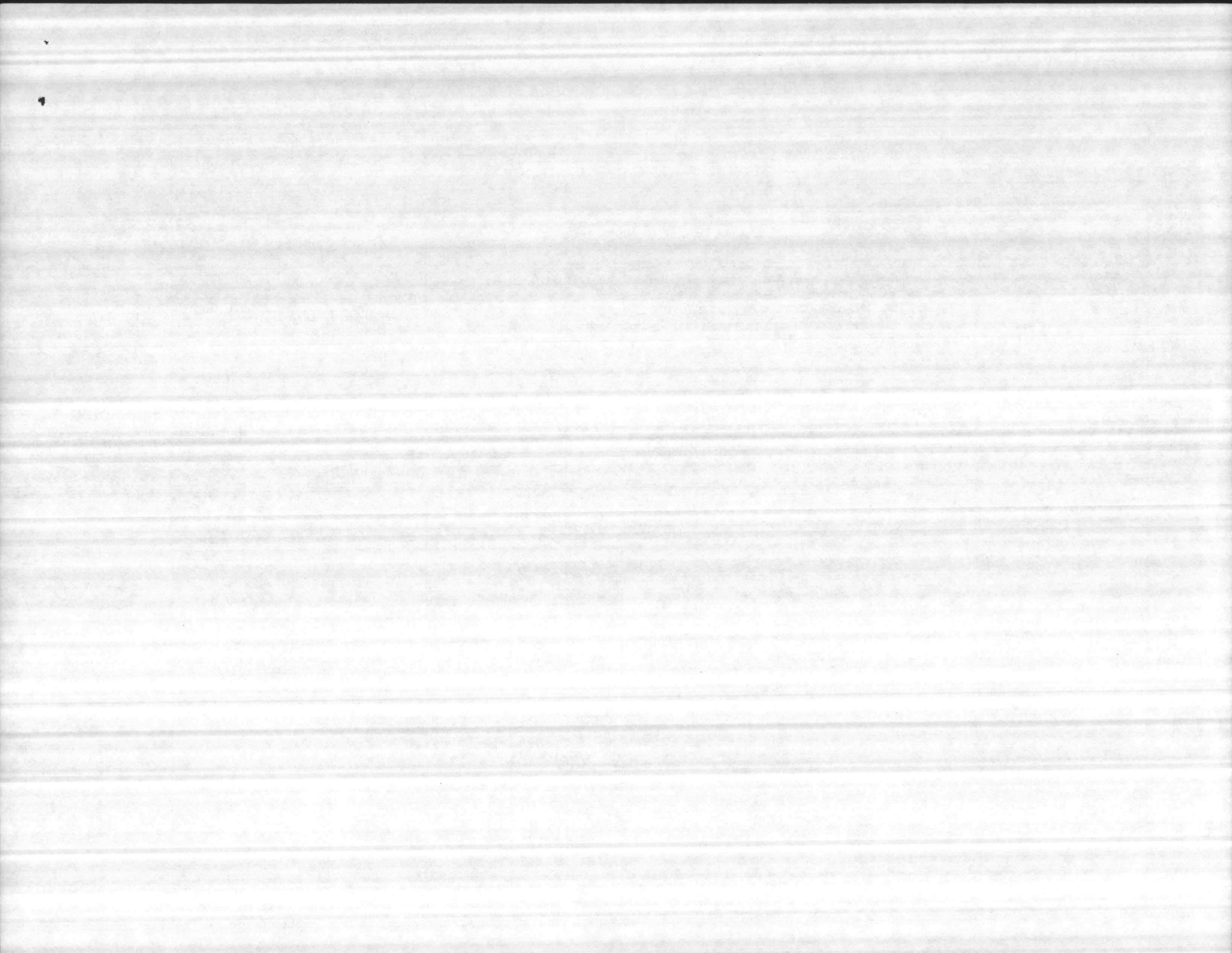












MATERIAL & LABOR COST ESTIMATE

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL . . . . .

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

NORFOLK, VIRGINIA

SHEET 27 of 73

Const. Contr. No. N62470-81-B-176

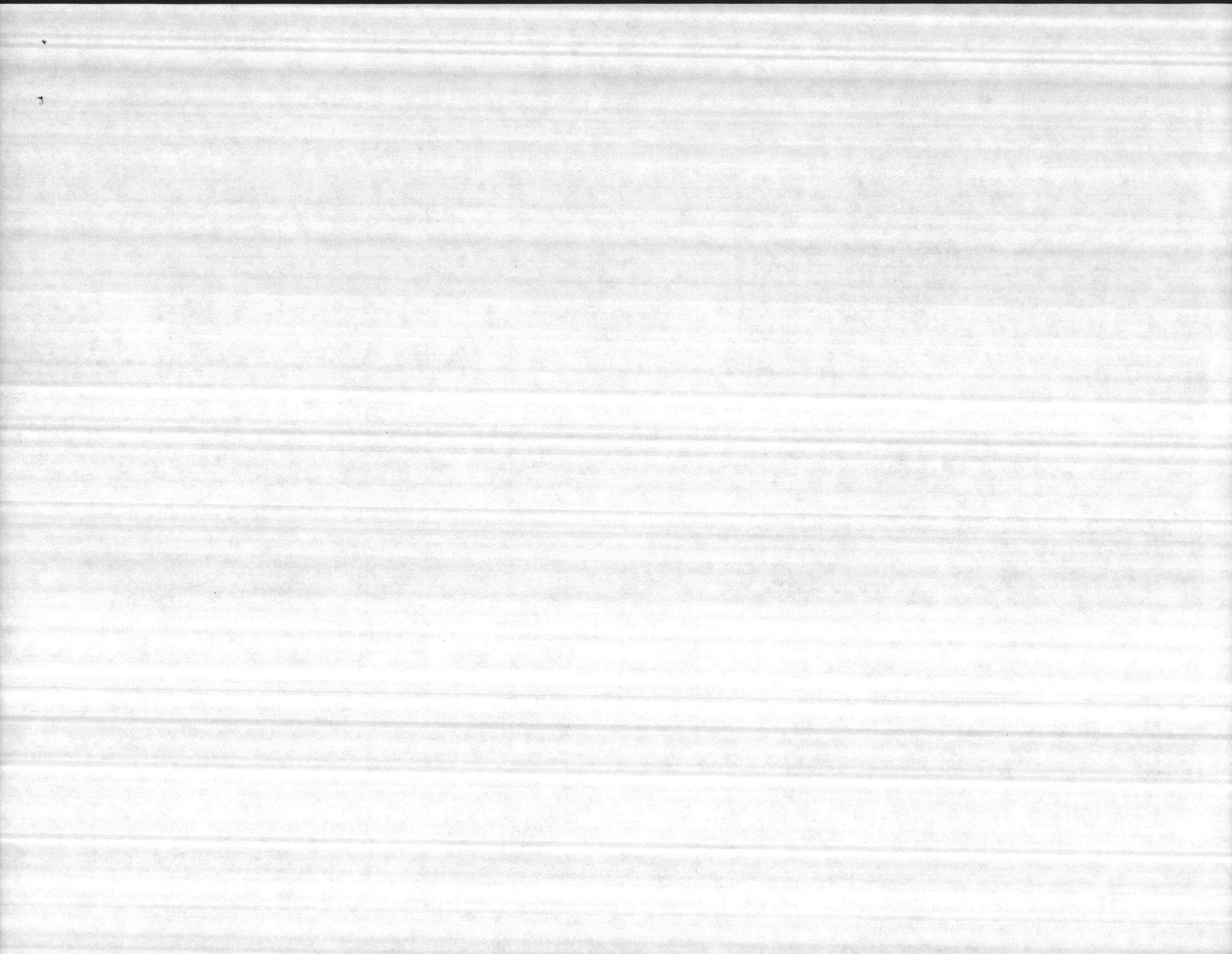
DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

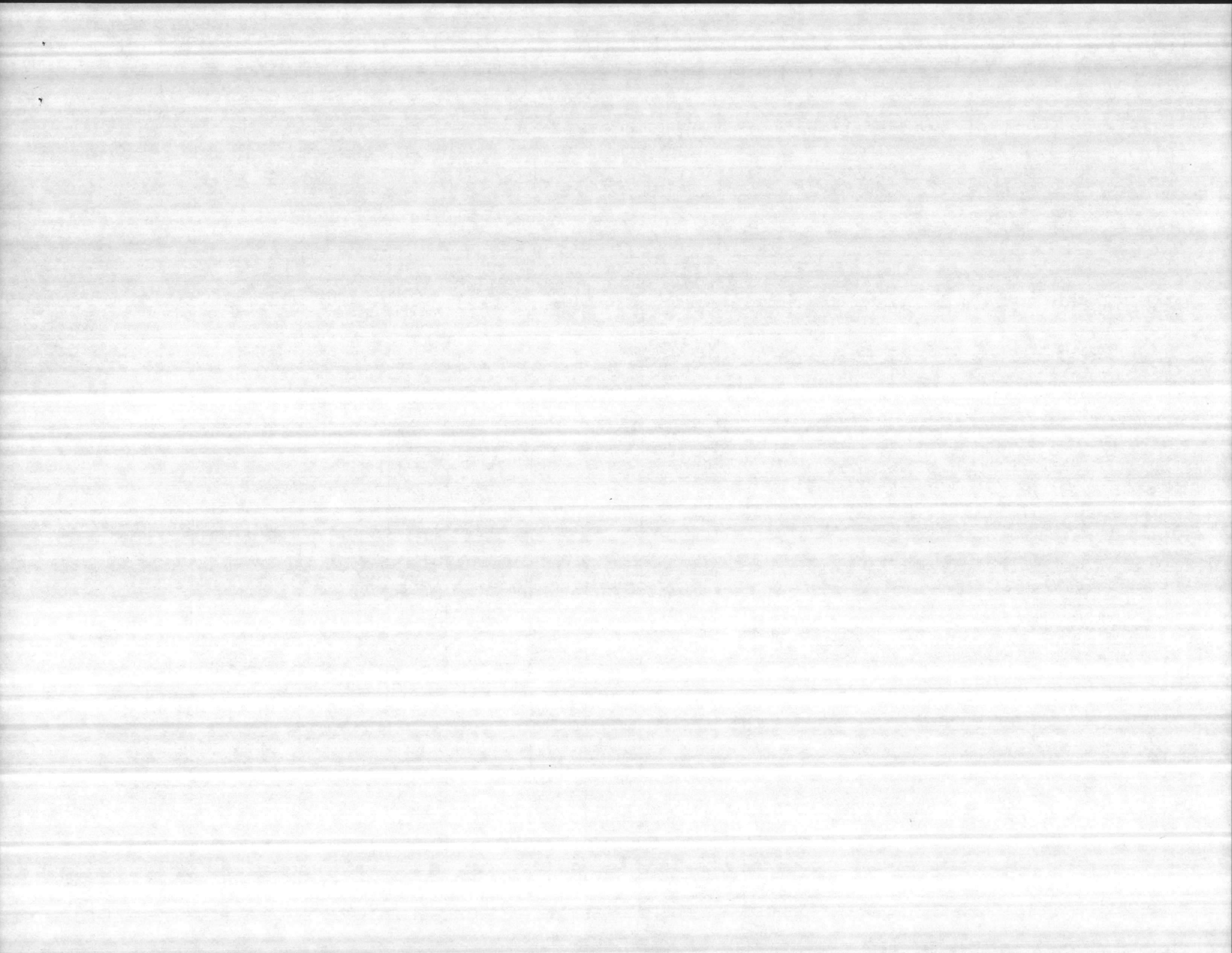
1100-MECH. ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
<u>PUBLIC WORKS BLDG.</u>								
<u>HOT WATER HEATING SYSTEM</u>								
<u>HOT WATER BOILER CAST IRON</u>								
<u>CAP 480,000 GROSS OUTPUT</u>								
<u>NO 2 OIL FIRED &amp; ACCESSORIES</u>	<u>1</u>	<u>EA</u>	<u>4962</u>	<u>4962</u>	<u>1971</u>	<u>1971</u>	<u>6933</u>	<u>QUOTE WEIL-MCLAIN</u>
<u>BOILER BRICCHING</u>	<u>1</u>	<u>EA</u>	<u>298</u>	<u>298</u>	<u>98</u>	<u>98</u>	<u>396</u>	
<u>BOILER STACK</u>	<u>1</u>	<u>EA</u>	<u>813</u>	<u>813</u>	<u>228</u>	<u>228</u>	<u>1041</u>	
<u>FUEL OIL STORAGE TANK U.G.</u>								
<u>10,000 GAL NO 2 OIL</u>	<u>1</u>	<u>EA</u>	<u>2940</u>	<u>2940</u>	<u>3950</u>	<u>3950</u>	<u>6890</u>	<u>QUOTE SO-TA &amp; PUMP.</u>
<u>INCLUDES EXCAVATION, INSTALLATION</u>								
<u>PIPING, ACCESSORIES</u>								
<u>HOT WATER PUMP - 30 FT TDH</u>								
<u>P-1 IN. LINE 71 GPM 1 1/2 HP</u>	<u>1</u>	<u>EA</u>	<u>1422</u>	<u>1422</u>	<u>290</u>	<u>290</u>	<u>1712</u>	
<u>EXPANSION TANK</u>	<u>1</u>	<u>EA</u>	<u>210</u>	<u>210</u>	<u>40</u>	<u>40</u>	<u>250</u>	
<u>60 GAL ASME</u>								
<u>AIR SEPARATOR 3"</u>	<u>1</u>	<u>EA</u>	<u>385</u>	<u>385</u>	<u>35</u>	<u>35</u>	<u>420</u>	

11030

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**MATERIAL & LABOR COST ESTIMATE**

PREPARED BY Lock.Gr./Six Assoc.

LANTDIV NORVA 4-11012/5 (REV. 12/80)

**ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND**

SHEET 01 of 15

Const. Contr. No. N62470-81-B-176

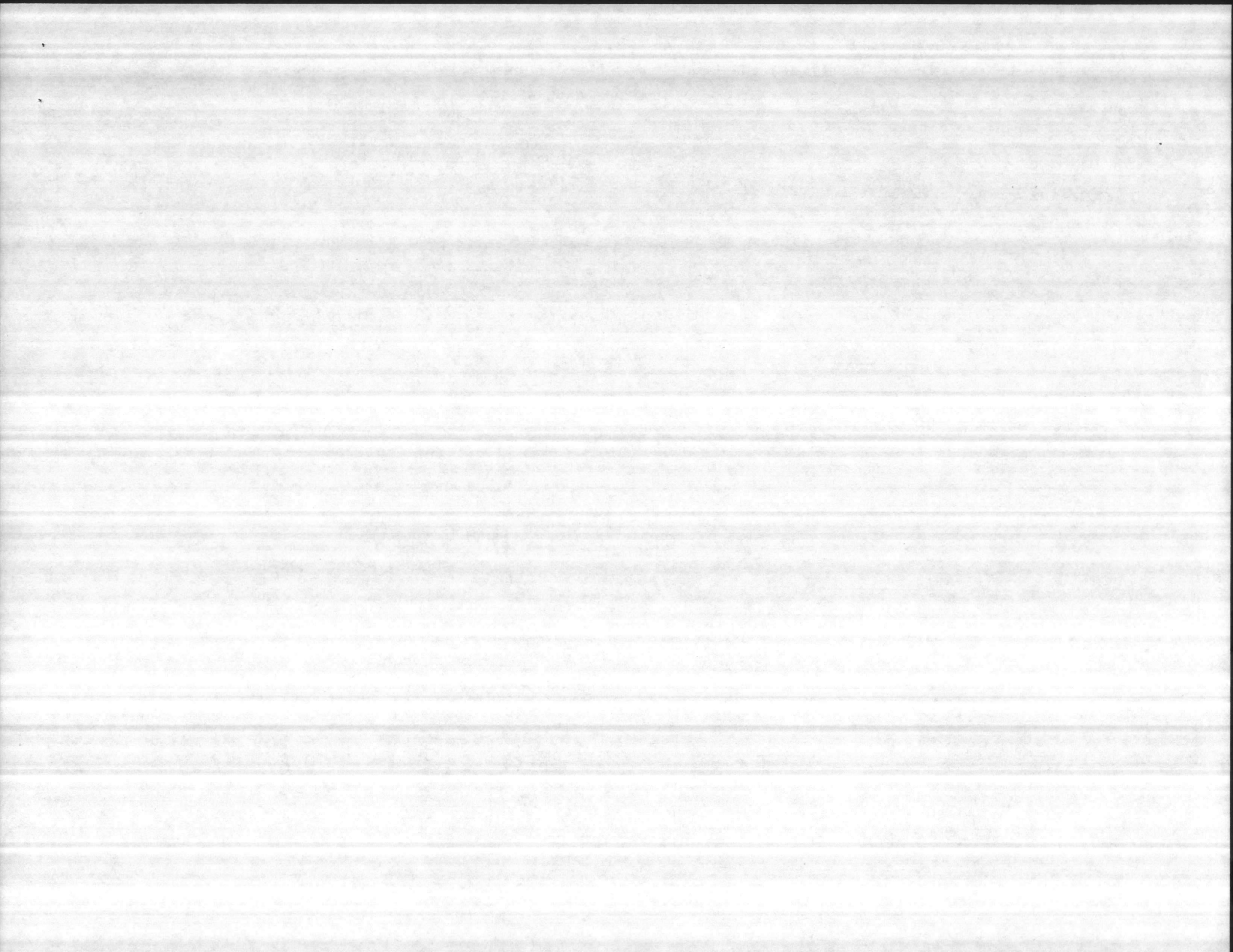
DATE 14 May 82

NORFOLK, VIRGINIA

FUNDS AVAIL. \_\_\_\_\_

PROJECT		LOCATION			MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
Public Works Bldg., Helipad, & Landscaping		Camp Lejeune, NC			UNIT	TOTAL	UNIT	TOTAL		
1100 MECH.	ITEMS	QUANTITY	UNIT							
HOT WATER HEATING PIPING										
	1/2"	10	FT	.62	6	.95	10	16		
	3/4"	315	FT	.70	220	.97	306	526		
	1"	315	FT	.92	290	1.00	315	605		
	1 1/4"	105	FT	1.10	116	1.52	160	276		
	2"	168	FT	1.47	247	1.76	296	543		
	2 1/2"	80	FT	1.74	141	2.16	173	314		
	3"	200	FT	2.31	462	2.40	480	942		
	1 1/2"	60	FT	1.32	79	1.30	78	157		
FITTINGS ISO * MALLEABLE										
	90° ELL 3/4"	47	EA	.46	22	4.23	199	221		
	1"	56	EA	.86	48	4.97	278	326		
	1 1/4"	7	EA	1.40	10	5.37	38	48		
	2"	8	EA	2.69	22	6.12	49	71		
	1 1/2"	3	EA	1.84	6	5.72	17	23		
	TEE 3/4"	3	EA	.74	2	6.27	19	21		
	1"	13	EA	1.32	17	7.41	96	113		
	1 1/4"	2	EA	2.17	4	8.07	16	20		
	3/4" x 1/4"	6	EA	1.15	7	5.02	30	37		
	1" x 1/4"	12	EA	1.48	18	5.57	67	85		
	1 1/4" x 1"	3	EA	2.37	7	6.33	19	26		
	1 1/4" x 1/4"	2	EA	2.37	5	6.33	13	18		
	1 1/2" x 1"	2	EA	2.65	5	6.88	14	19		
	2" x 1"	6	EA	4.34	26	7.84	48	74		
	2 x 3/4"	2	EA	4.34	9	7.84	16	25		
	2 x 1 1/4"	1	EA	4.34	5	7.84	8	13		

1774                      2745                      4519





MATERIAL & LABOR COST ESTIMATE

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL . \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

NORFOLK, VIRGINIA

SHEET 32 of 73

Const. Contr. No. N62470-81-B-176

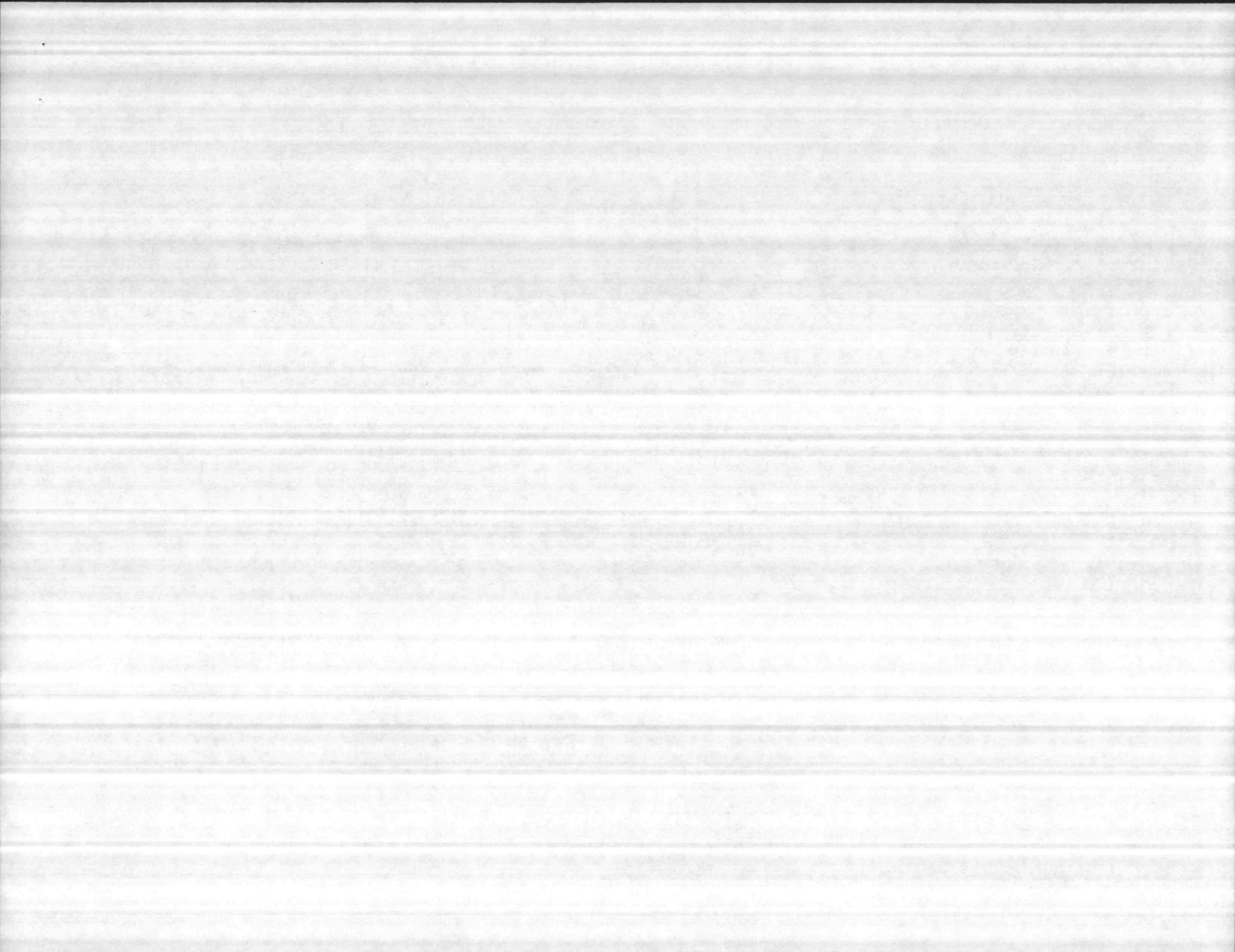
DATE 14 May 82

PROJECT		LOCATION		MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
Public Works Bldg., Helipad, & Landscaping		Camp Lejeune, NC		UNIT	TOTAL	UNIT	TOTAL		
1100 MECH.	ITEMS	QUANTITY	UNIT						
FITTINGS ISO <sup>m</sup> MAL. CONT									
	CAP	1"	12	EA	.65	8	3.98	48	56
REDUCERS									
		1" x 3/4"	2	EA	2.13	4	7.20	14	18
		1 1/4" x 1"	2	EA	2.42	5	7.20	14	19
		1 1/2" x 1 1/4"	2	EA	3.32	7	9.60	20	27
		2 x 1 1/2"	2	EA	4.78	10	11.90	24	34
UNIONS									
		1/2"	1		1.34	2	3.08	3	5
		1"	24		2.02	49	3.97	95	144
		1 1/4"	2		2.79	6	4.28	9	15
		2"	4		4.32	17	5.22	21	38
		3/4"	7		1.38	10	3.38	24	34
STD WT. WELDING FITTINGS									
	90 ELL	2 1/2"	7		4.88	34	18.38	129	163
		3"	10		6.80	68	21.42	214	282
THREAD-O-LET									
		3/4 x 3"	6		2.66	16	13.60	82	98
		1 x 3"	8		3.47	28	13.60	109	137
		1 1/4 x 3"	1		4.05	4	13.60	14	18
		3/4 x 2 1/2"	2		2.66	6	11.20	22	28
		1 x 2 1/2"	4		3.47	14	11.20	45	59
	150 # KIN. FLANGE		3	12	12.36	148	13.25	159	307

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**MATERIAL & LABOR COST ESTIMATE**

PREPARED BY Lock.Gr./Six Assoc.

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

SHEET 53 of 10

Const. Contr. No. N62470-81-B-1766

DATE 14 May 82

FUNDS AVAIL . \_\_\_\_\_

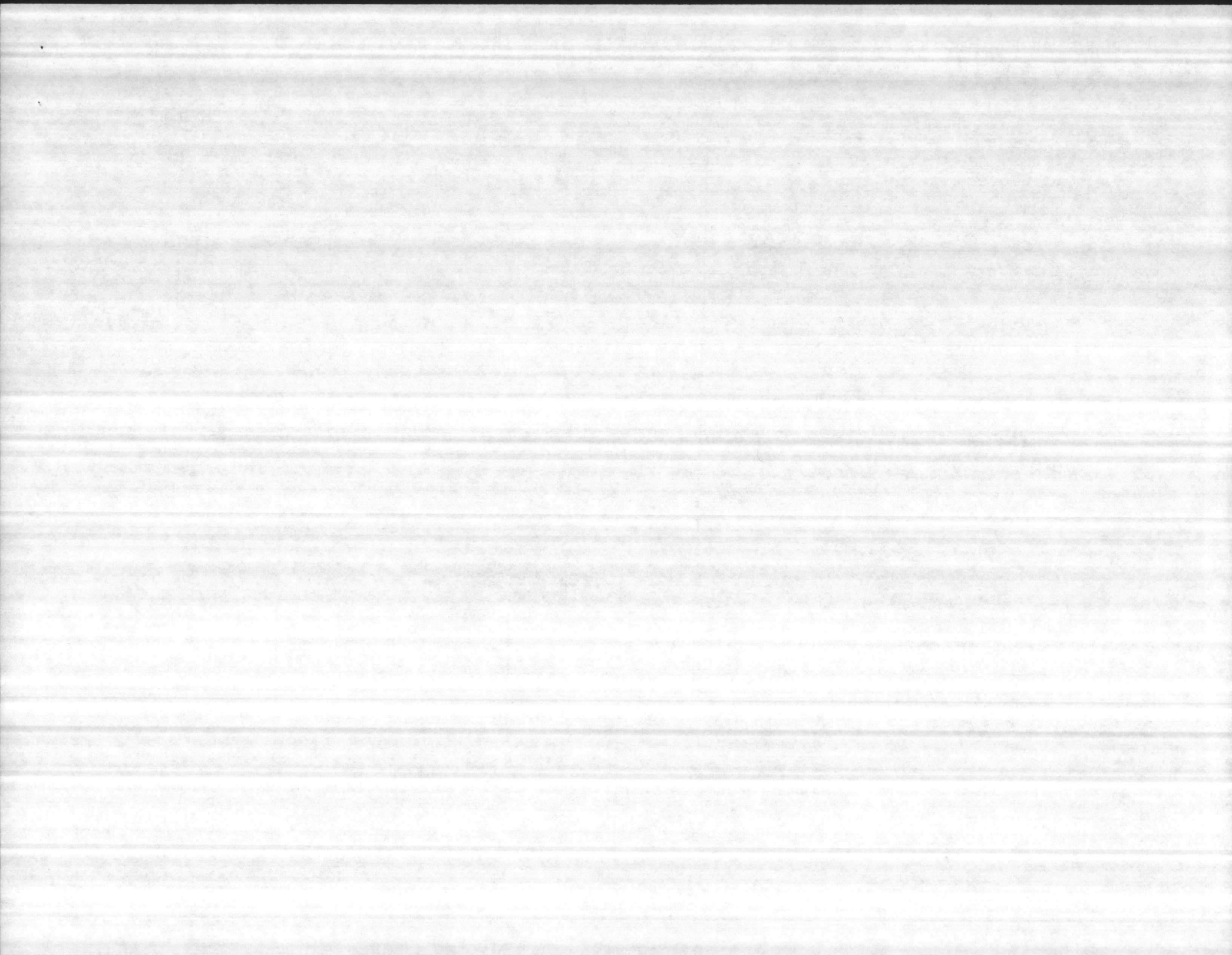
NORFOLK, VIRGINIA

PROJECT		LOCATION		MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
Public Works Bldg., Helipad, & Landscaping		Camp Lejeune, NC		UNIT	TOTAL	UNIT	TOTAL		
1100 MECH	ITEMS	QUANTITY	UNIT						
	125 # FLG W/VE STRAINER 3"	1	EA	88	88	22	22	110	
	150# SCR'D BRONZE GATE VAL								
	1/2"	1	EA	11.45	12	7.62	8	20	
	3/4"	12	EA	16 <sup>00</sup>	192	9	108	300	
	1"	12	EA	18	18	9	9	27	
	1 1/4"	1	EA	30	30	11	11	41	
	2"	2	EA	44	88	12	24	112	
	150# WAFER TYPE VAL WITH ADJ								
	LIMIT STOP & POS. IND.								
	3"	3	EA	119	357	33	99	456	
	CONTROL VALVE								
	3/4	1	EA	110	110	9	9	119	
	1 1/4	1	EA	185	185	10	10	195	
	MANUAL AIR VENT	16	EA	5.85	94	2.40	38	132	
	HOSE BIB	3/4	4	EA	6	24	6.45	26	50
	Sq. HD. COCIG	1 1/4	2	EA	38	76	8	16	92
	CIRCUIT BALANCING VALVE	3/4	5	EA	17	85	4.80	29	114
		1	12	EA	21	252	7.20	86	338
		1 1/4	1	EA	26	26	7.20	7	33
		3	1	EA	41	41	22	22	63

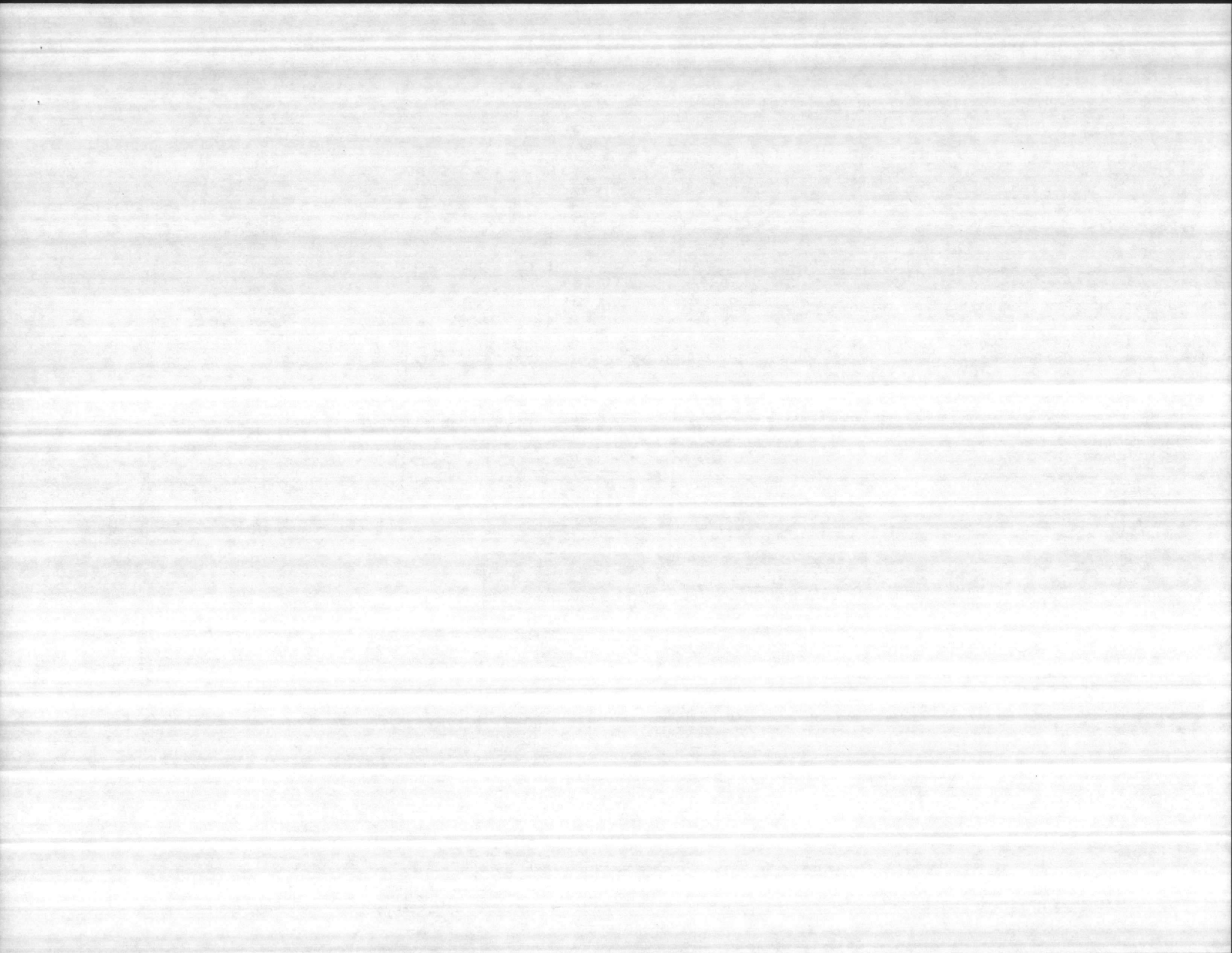
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MATERIAL & LABOR COST ESTIMATE

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

NORFOLK, VIRGINIA

SHEET 35 of 73

Const. Contr. No. N62470-81-B-176

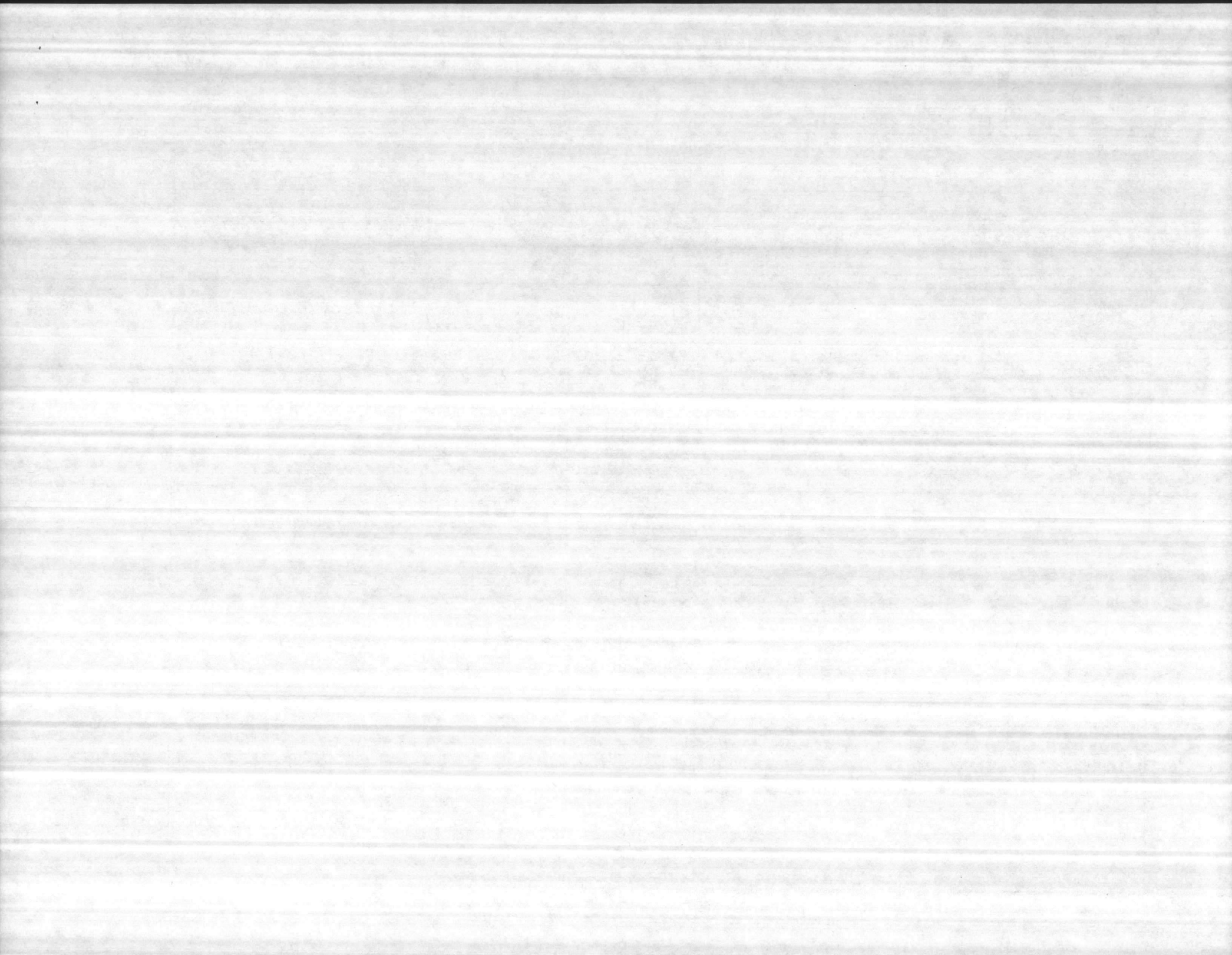
DATE 14 May 82

PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>			LOCATION <u>Camp Lejeune, NC</u>					<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL		
1100 MELH.	ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS	
				UNIT	TOTAL	UNIT	TOTAL			
INSULATION HOT WATER HEATING										
1" THICK MINERAL FIBER										
	PIPE INS.	3/4"	315	FT	1.18	372	.79	249	621	
		1"	315		1.24	391	.83	261	652	
		1 1/4"	105		1.37	144	.91	96	240	
		2"	168		1.62	272	1.08	181	453	
		2 1/2"	80		1.81	145	1.20	96	241	
		3"	200		2.02	400	1.33	266	666	
		1 1/2"	60	∨	1.59	95	.99	60	155	
FITTINGS INS.										
		3/4"	56	FT	1.42	80	.94	53	133	
		1"	83		1.49	124	.99	82	206	
		1 1/4"	16		1.64	26	1.10	18	44	
		1 1/2"	7		1.79	13	1.19	8	21	
		2"	19		1.94	37	1.30	25	62	
		2 1/2"	9		2.17	20	1.45	13	33	
		3"	26	∨	2.40	62	1.60	42	104	
VALVES INS.										
		3/4"	10	FT	2.83	28	1.89	19	47	
		1"	12		2.98	36	1.98	24	60	
		1 1/4"	1		3.29	3	2.19	2	5	
		2"	2		3.89	8	2.59	5	13	
		3"	3	∨	12	36	8.00	24	60	

2292

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**MATERIAL & LABOR COST ESTIMATE**

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL .

LANTDIV NORVA 4-11012/5 (REV. 12/80)

**ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND**

NORFOLK, VIRGINIA

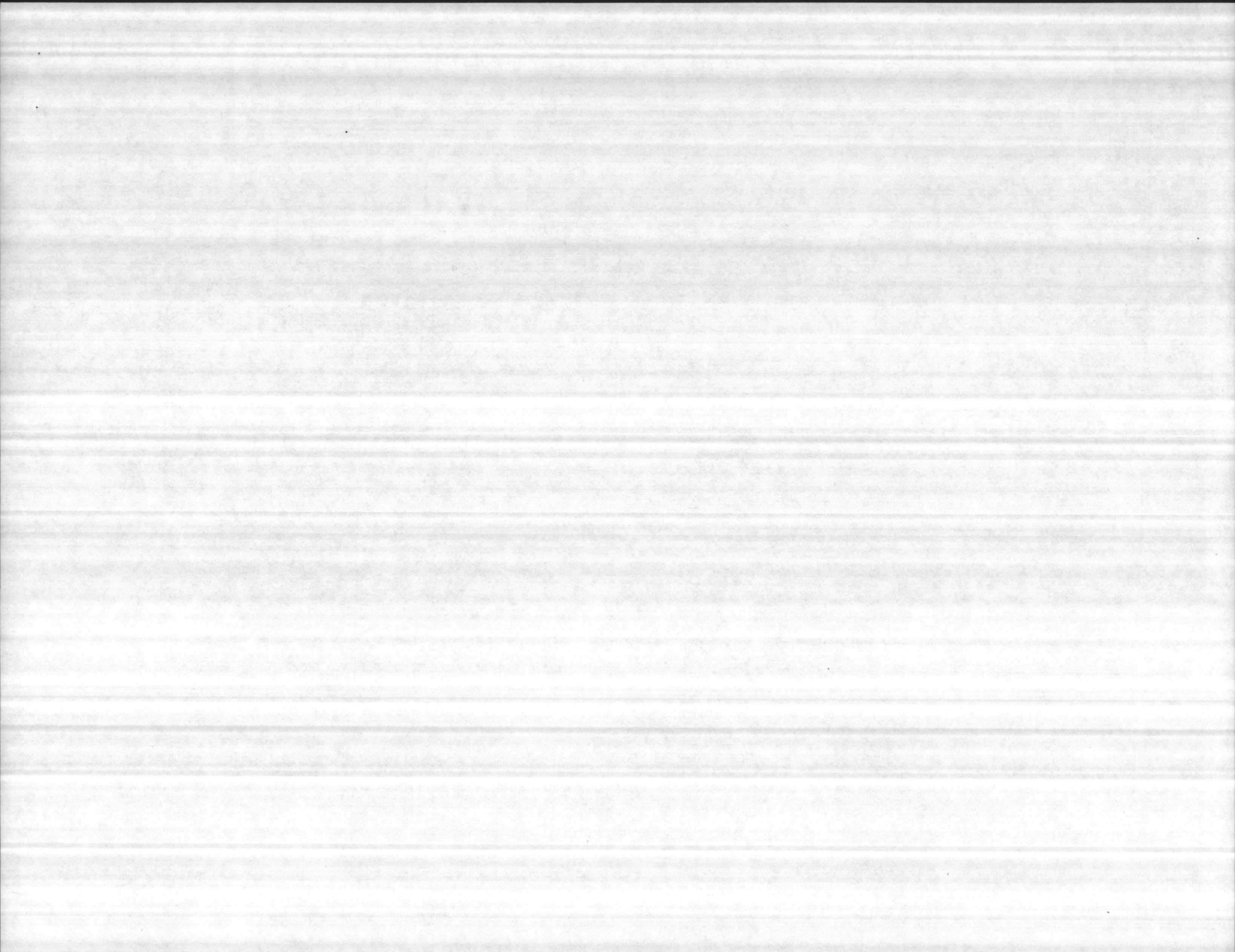
SHEET 36 of 15

Const. Contr. No. N62470-81-B-176

DATE 14 May 82

PROJECT		LOCATION		MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
Public Works Bldg., Helipad, & Landscaping		Camp Lejeune, NC		UNIT	TOTAL	UNIT	TOTAL		
1100 MECH, ITEMS									
AIR CONDITIONING									
AH-1 # C-1 PACKAGED UNITS	1	EA	2976	2976	234	234	3210	QUOTE FROM CARRIER	
REFRIGERATION PIPING & INS	75	FT	LS	158	LS	60	218		
REFRIGERATION GAS & STARTUP	1	EA	25	25	65	65	90		
CONTINUOUS THERMOSTAT	1	EA	50	50	50	100	150		
UNITARY AC. UNIT UV-1	1	EA		1150		375	1525	QUOTE FROM CARRIER	
INC WALL SLEEVE & SUB BASE									
EXHAUST FANS									
EXHAUST	EF-1	1	EA	800	800	40	40	840	
	EF-2	1		850	850	75	75	925	
	EF-3	1		300	300	25	25	325	
	EF-4	1		850	850	75	75	925	
	EF-5	1		600	600	95	95	695	
	EF-6	1		500	500	35	35	535	
	EF-7	1		500	500	25	25	525	
	EF-8	1		850	850	75	75	925	
	EF-9	1		300	300	20	20	320	
	EF-10	1	↓	300	300	25	25	325	
AIR DISTRIBUTION									
	A	4	EA	36	144	10 <sup>00</sup>	40	184	
	B	1		36	36	10 <sup>00</sup>	10	46	
	C	2		36	72	10 <sup>00</sup>	20	92	
	D	1	↓		44	10 <sup>00</sup>	10	54	

10505                      1404      11909



MATERIAL & LABOR COST ESTIMATE

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL . \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

NORFOLK, VIRGINIA

SHEET 51 of 15

Const. Contr. No. N62470-81-B-176

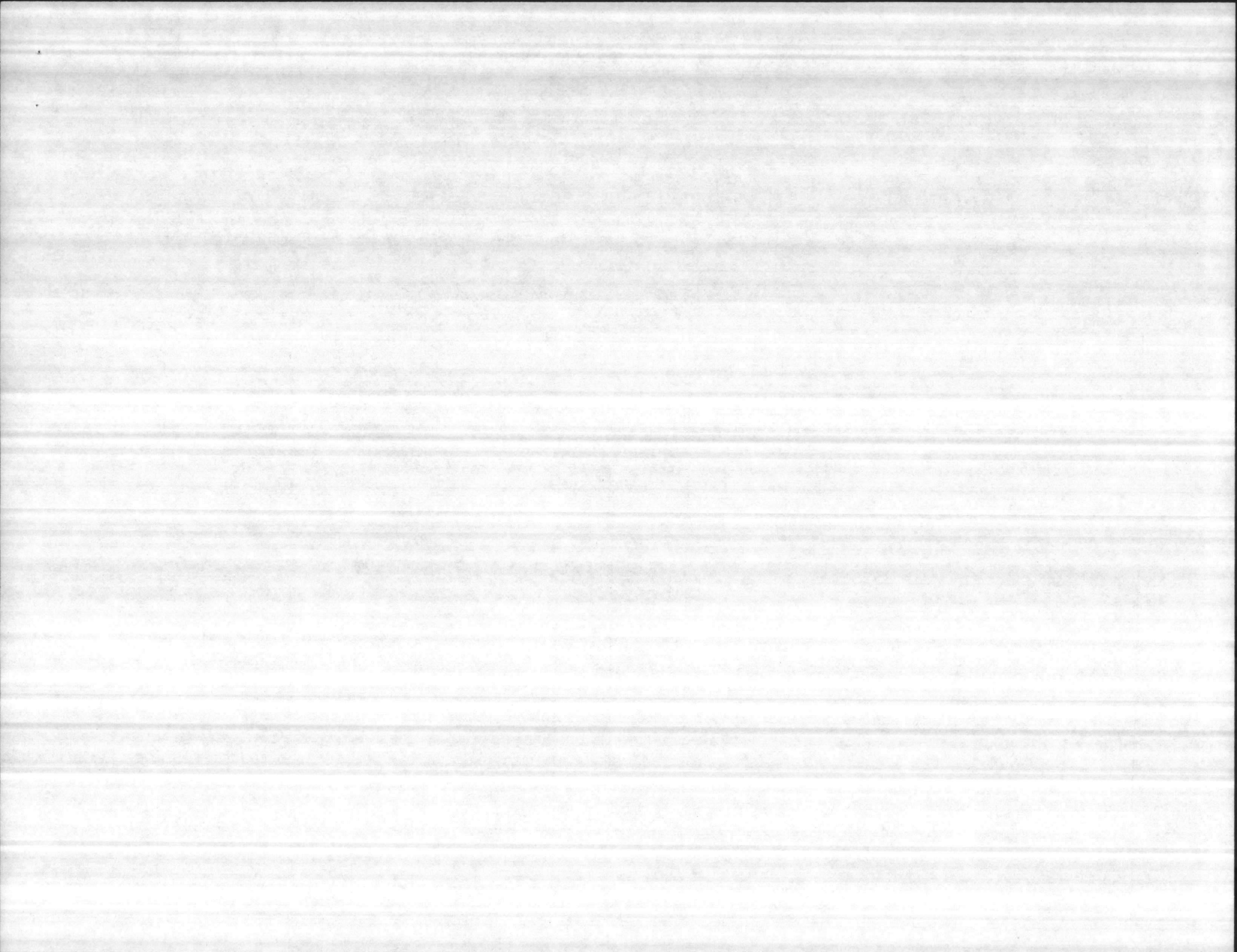
DATE 14 May 82

PROJECT		LOCATION								
Public Works Bldg., Helipad, & Landscaping		Camp Lejeune, NC							<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL	
1100 MECH.	ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS	
				UNIT	TOTAL	UNIT	TOTAL			
	E	2		32	64	10	20	84		
	F	2		36	72	10	20	92		
	G	1		36	33	10	10	43		
	H	1		36	32	10	10	42		
	I	3		36	108	10	30	138		
	J	1		36	36	10	10	46		
	K	1		36	36	10	10	46		
	L	1		36	36	10	10	46		
DUCT WORK - GALV STD. RGT.										
	SHOP FABRICATION	2700	LBS	.36	972	.56	1512	2484		
	FIELD INSTALLATION	2700	LBS	.03	81	.46	1242	1323		
DUCT WORK ROUND										
	32"	14	FT	6.6	92	4.20	59	151		
	28"	60	FT	6.2	372	3.80	228	600		
	24"	10	FT	5.8	58	3.35	34	92		
	20"	10	FT	4.8	48	2.80	28	76		
	14"	4	FT	2.6	10	1.60	6	16		
	10"	16		1.95	31	1.50	24	55		
	8"	8		1.55	12	1.50	12	24		
	12"	25		2.3	58	1.50	38	96		
DUCT INSULATION										
	DUCT WRAP 1/2"	2600	FT <sup>2</sup>	.52	1352	.50	1300	2652		

3503

4,603

8106



**MATERIAL & LABOR COST ESTIMATE**

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LANTDIV NORVA 4-11012/5 (REV. 12/80)

**ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND**

NORFOLK, VIRGINIA

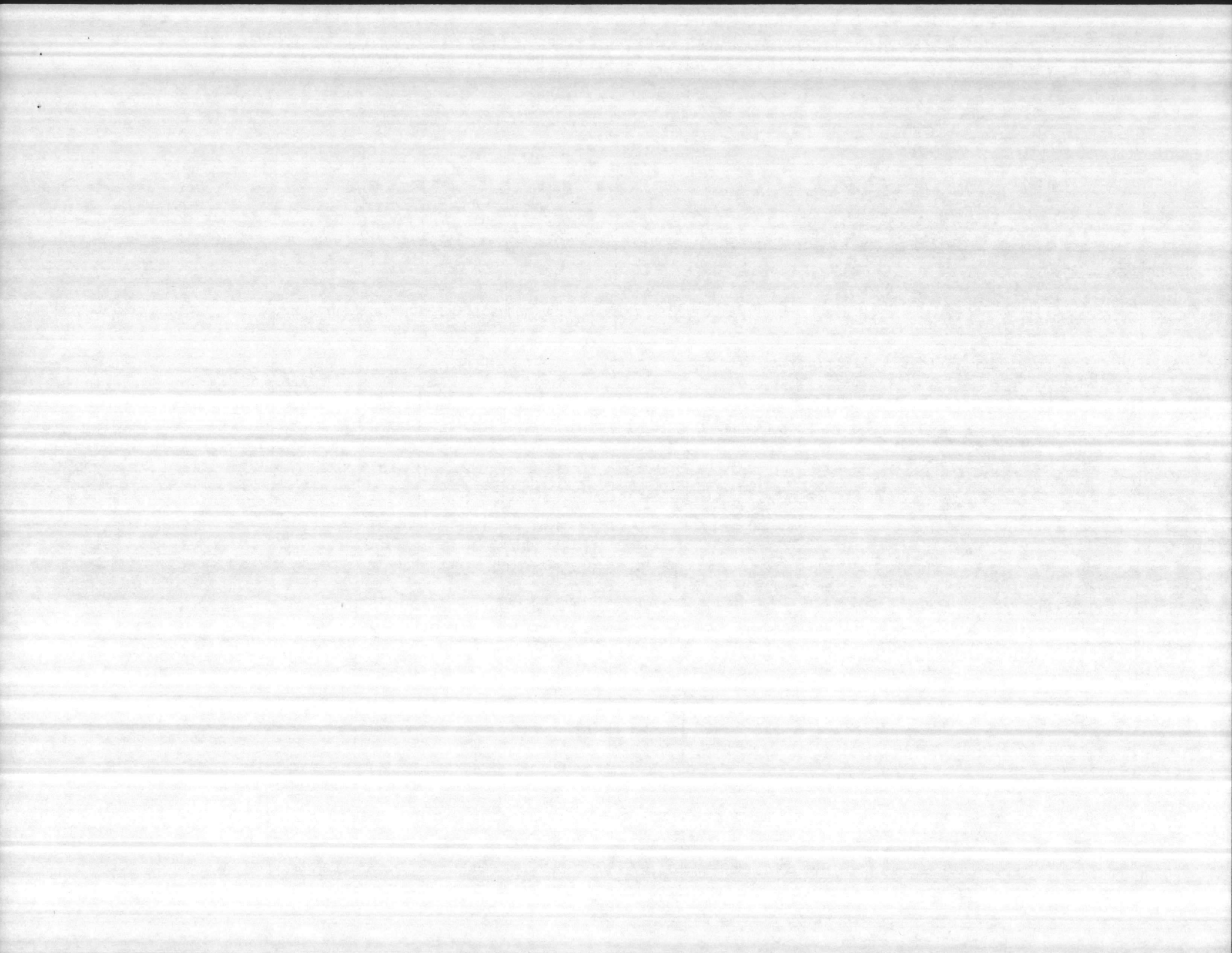
SHEET 38 of 73

Const. Contr. No. N62470-81-B-176

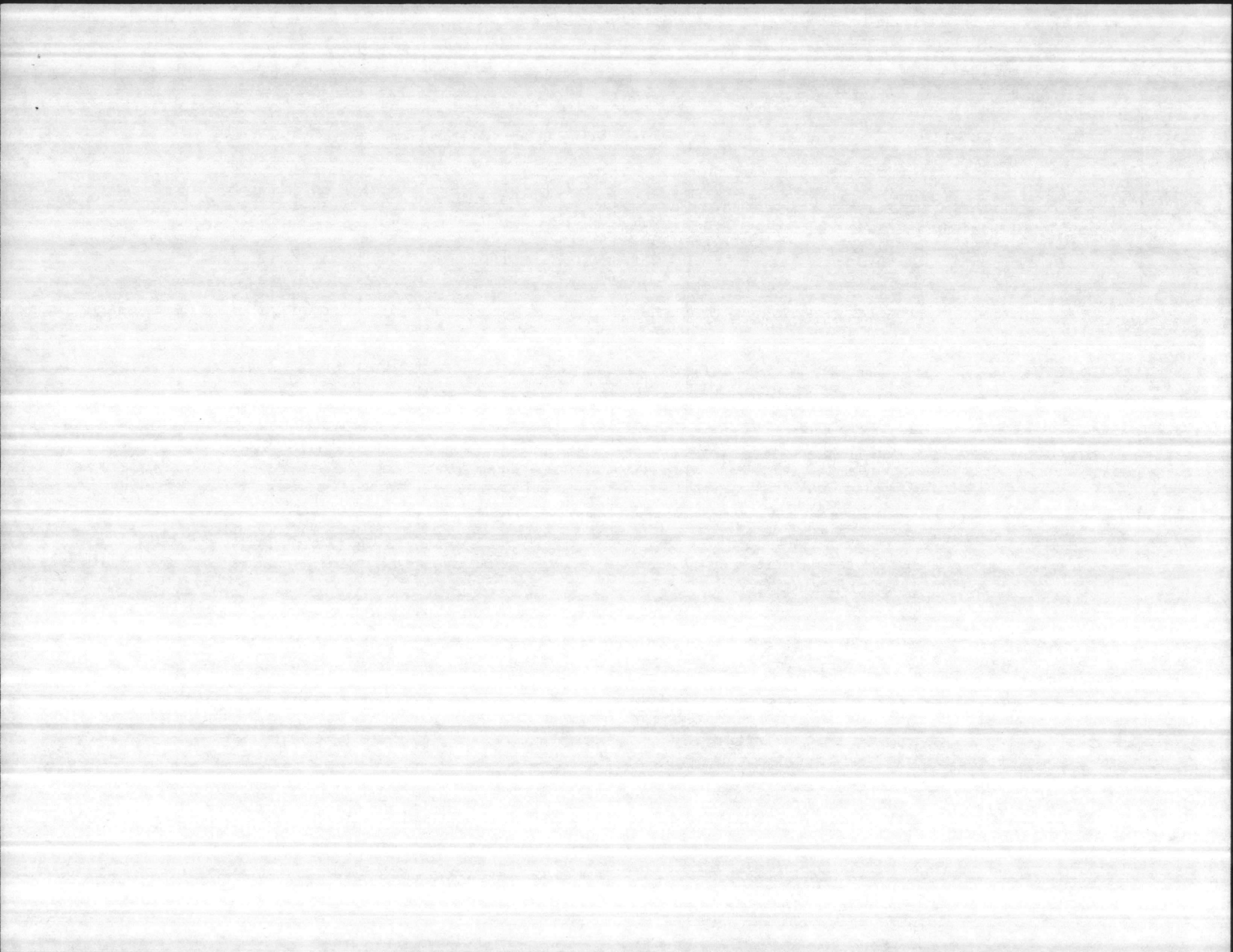
DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

1100 MECH. ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS	
			UNIT	TOTAL	UNIT	TOTAL			
<b>FLEXIBLE DUCT INSUL.</b>									
14"φ	10		4 <sup>00</sup>	40	6 <sup>00</sup>	60	100		
10"φ	35		2 <sup>75</sup>	96	5 <sup>60</sup>	196	292		
8"φ	10		2 <sup>20</sup>	22	5 <sup>60</sup>	56	78		
<b>VOLUME EXTRACTORS</b>									
12x10	1		20	20	8	8	28		
10x10	5		19	95	8	40	135		
16x14	1		26	20	8	8	28		
8x8	1		16	20	8	8	28		
<b>FIRE DAMPERS</b>									
20"φ	1	EA	51	51	10	10	61		
10xB	2	EA	27	4	10	20	24		
<b>BALANCING DAMPERS</b>									
26x12	1	EA	35	35	8	8	43		
14x6	1	EA	22	22	8	8	30		
10xB	1	EA	18	18	8	8	24		
				443		430	573		
<b>SUB TOT.</b>					35578		20,710	56288	



PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>		LOCATION <u>Camp Lejeune, NC</u>				<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL		
	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
<i>Electrical - 1200 ITEMS</i>								
<i>Public Works Bldg.</i>								
<i>Summary Electrical Interior Work</i>								
<i>Material and Labor</i>				<i>65,031</i>		<i>21,258</i>		
<i>Excise tax on material</i>	<i>4%</i>			<i>2,601</i>		<i>—</i>		
<i>Payroll tax and insurance</i>	<i>18%</i>			<i>—</i>		<i>3,826</i>		
<i>Sub-Total</i>				<i>67,632</i>		<i>25,084</i>	<i>92,716</i>	
<i>Overhead sub-contractors</i>	<i>12%</i>						<i>11,126</i>	
<i>Sub-Total</i>							<i>103,842</i>	
<i>Sub-Contractors Profit</i>	<i>8%</i>						<i>8,307</i>	
<i>Sub-Total</i>							<i>112,149</i>	
<i>Prime Contractors Overhead</i>	<i>5%</i>						<i>5,607</i>	
<i>Sub-Total</i>							<i>117,756</i>	
<i>Prime Contractors Profit</i>	<i>5%</i>						<i>5,888</i>	
<i>Sub-Total</i>							<i>123,644</i>	
<i>Bond</i>	<i>0.75%</i>						<i>927</i>	
<i>Sub-Total</i>							<i>124,571</i>	
<i>Escalation to Jan. 1983</i>	<i>5.1%</i>						<i>6,353</i>	
<i>Total interior Electrical P.W. Bldg.</i>							<i>130,924</i>	<i>131,000</i>





MATERIAL & LABOR COST ESTIMATE

LANTDIV NORVA 4-11012/5 (REV. 12/80)

PREPARED BY Lock.Gr./Six Assoc.

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

Const. Contr. No. N62470-81-B-176

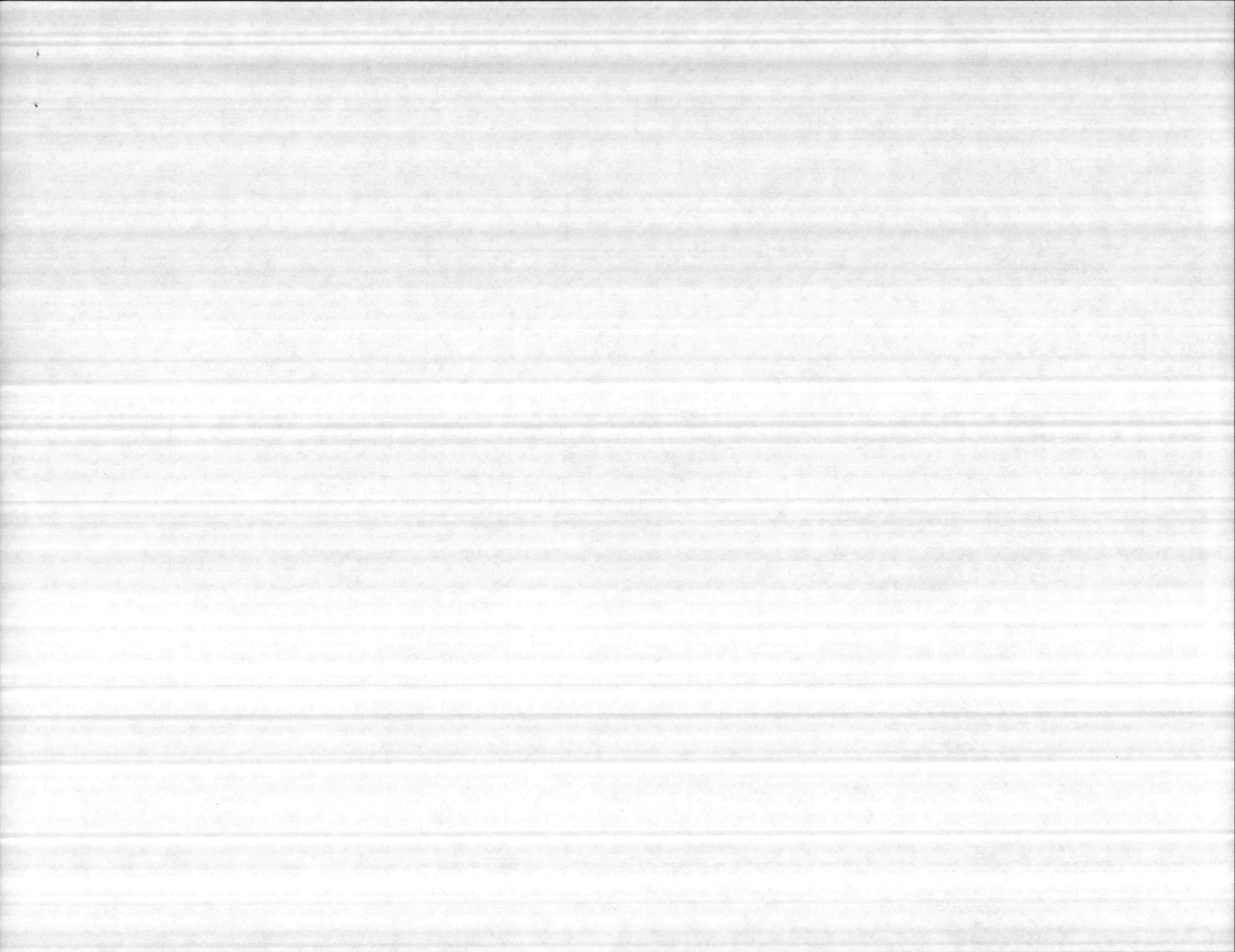
FUNDS AVAIL. \_\_\_\_\_

NORFOLK, VIRGINIA

DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

PROJECT	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
<i>ELECTRICAL - 1200 EMS</i>								
<i>PUBLIC WORKS BLD'G</i>								
<i>LIGHTING</i>								
<i>LTG. FIXT. TYPE "AA" - 2' MIRROR LIGHT</i>	<i>4</i>	<i>EA.</i>	<i>47.<sup>00</sup></i>	<i>188</i>	<i>7.55</i>	<i>30.</i>	<i>218.</i>	<i>G'VILLE TEXTIL ALKCO</i>
<i>LTG. FIXT. TYPE "B" - 2x4 TROFFER</i>	<i>19</i>	<i>EA.</i>	<i>66.<sup>40</sup></i>	<i>1262.</i>	<i>10.<sup>23</sup></i>	<i>194.</i>	<i>1456.</i>	<i>MILLER</i>
<i>LTG. FIXT. TYPE "C" - 2x4 TROFFER</i>	<i>10</i>	<i>EA.</i>	<i>55.<sup>52</sup></i>	<i>555.</i>	<i>10.<sup>23</sup></i>	<i>102.</i>	<i>657.</i>	
<i>LTG. FIXT. TYPE "C2" - 2x4 TROFFER</i>	<i>4</i>	<i>EA.</i>	<i>171.<sup>35</sup></i>	<i>685.</i>	<i>10.<sup>22</sup></i>	<i>41.</i>	<i>726.</i>	
<i>LTG. FIXT. TYPE "CC" - 4' INDUSTRIAL</i>	<i>113</i>	<i>EA.</i>	<i>27.<sup>30</sup></i>	<i>3085.</i>	<i>8.<sup>89</sup></i>	<i>1005.</i>	<i>4090.</i>	
<i>LTG. FIXT. TYPE "CC1" - 4' INDUSTRIAL</i>	<i>14</i>	<i>EA.</i>	<i>173.<sup>35</sup></i>	<i>2427.</i>	<i>8.<sup>89</sup></i>	<i>124.</i>	<i>2551.</i>	
<i>LTG. FIXT. TYPE "JJJ" - EXIT SIGN</i>	<i>5</i>	<i>EA.</i>	<i>125.<sup>60</sup></i>	<i>628.</i>	<i>8.<sup>89</sup></i>	<i>44.</i>	<i>672.</i>	
<i>LTG. FIXT. TYPE "N" - 1x4 TROFFER</i>	<i>8</i>	<i>EA.</i>	<i>41.<sup>00</sup></i>	<i>328.</i>	<i>8.<sup>00</sup></i>	<i>64.</i>	<i>392.</i>	<i>Y</i>
				<i>9158.</i>		<i>1604</i>	<i>10762.</i>	



MATERIAL & LABOR COST ESTIMATE

PREPARED BY Lock, Gr./Six Assoc.

FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

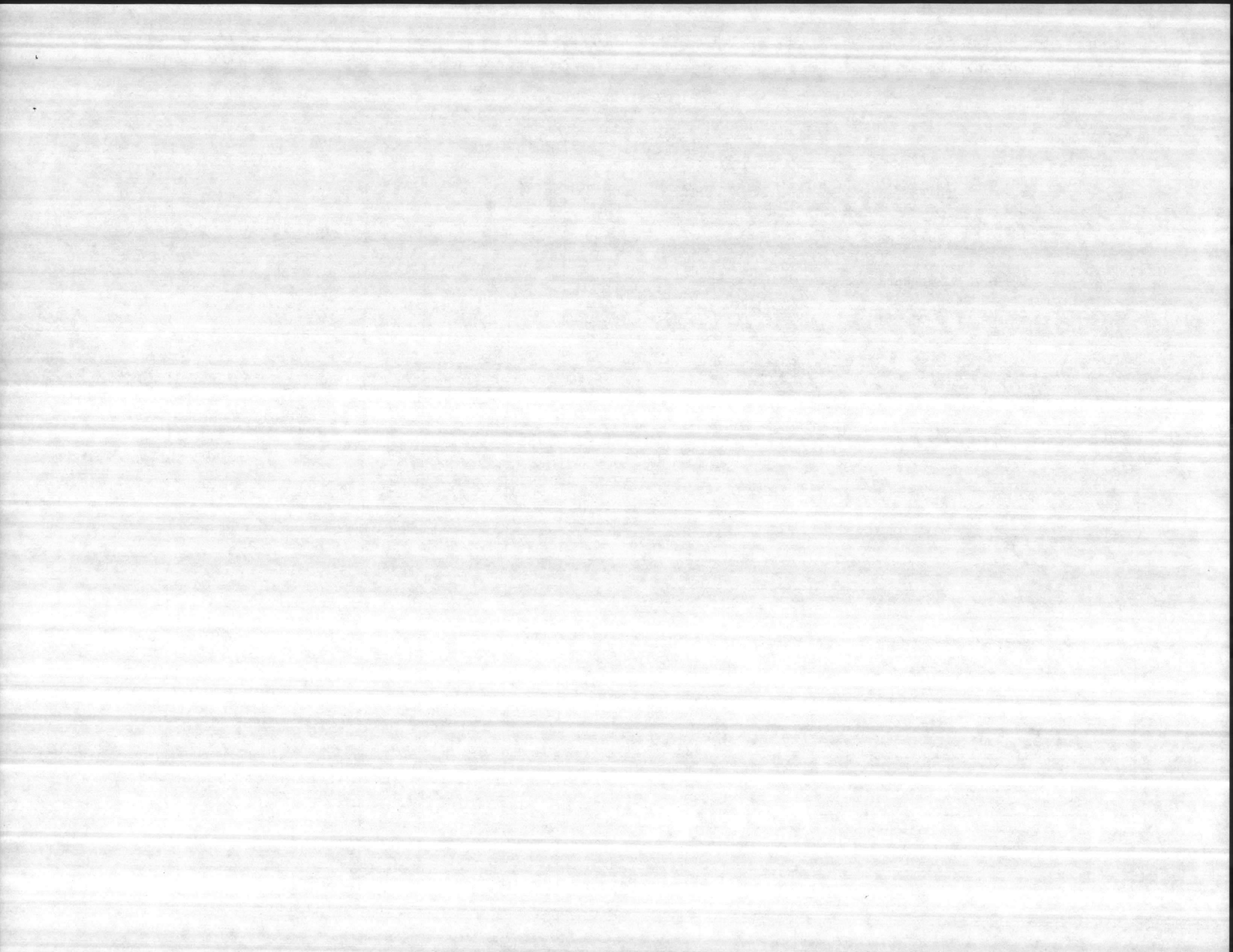
NORFOLK, VIRGINIA

SHEET 41 of 73

Const. Contr. No. N62470-81-B-176

DATE 14 May 82

PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>		LOCATION <u>Camp Lejeune, NC</u>					<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL			
ELECTRICAL ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS		
			UNIT	TOTAL	UNIT	TOTAL				
<u>PUBLIC WORKS BLD'G.</u>										
<u>LIGHTING</u>										
<u>LTG. FIXT. TYPE "P" (EXP. PROOF INCAND)</u>	<u>15</u>	<u>EA.</u>	<u>134.62</u>	<u>2019.</u>	<u>6.22</u>	<u>93.</u>	<u>2112</u>	<u>CROUSE-HINDS</u>		
<u>LTG. FIXT. TYPE "Q" - 2x2 TROFFER</u>	<u>5</u>	<u>EA.</u>	<u>62.33</u>	<u>312.</u>	<u>8.89</u>	<u>44.</u>	<u>356.</u>	<u>MILLER</u>		
<u>LTG. FIXT. TYPE "R" - 2x2 TROFFER</u>	<u>2</u>	<u>EA.</u>	<u>52.33</u>	<u>105.</u>	<u>8.89</u>	<u>18.</u>	<u>123.</u>			
<u>LTG. FIXT. TYPE "LUI" - TWIN CYL MERCURY</u>	<u>5</u>	<u>EA.</u>	<u>462.38</u>	<u>2311.</u>	<u>8.00</u>	<u>40.</u>	<u>2351.</u>	<u>G. ALLEY ASSO</u>		
<u>LTG. FIXT. OUTLETS</u>	<u>206</u>	<u>EA.</u>	<u>5.72</u>	<u>1178.</u>	<u>6.67</u>	<u>1374.</u>	<u>2552.</u>			
<u>3/4" EMT CONDUIT</u>	<u>3090</u>	<u>FT.</u>	<u>.25</u>	<u>773.</u>	<u>44/C</u>	<u>1360.</u>	<u>2133.</u>			
<u>3/4" EMT HANGERS</u>	<u>309</u>	<u>EA.</u>	<u>.37</u>	<u>114.</u>	<u>.53</u>	<u>164.</u>	<u>278.</u>			
<u>3/4" EMT CONNECTORS</u>	<u>420</u>	<u>EA.</u>	<u>.60</u>	<u>252.</u>	<u>1.78</u>	<u>748.</u>	<u>1000.</u>			
<u>4" JCT BOX</u>	<u>155</u>	<u>EA.</u>	<u>1.14</u>	<u>177.</u>	<u>2.22</u>	<u>344.</u>	<u>521.</u>			
<u>#12 RHW</u>	<u>10.815</u>	<u>FT/M</u>	<u>66.86</u>	<u>723.</u>	<u>106.68</u>	<u>1154.</u>	<u>1877.</u>			
				<u>7964</u>		<u>5339</u>	<u>13303</u>			



MATERIAL & LABOR COST ESTIMATE

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LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

NORFOLK, VIRGINIA

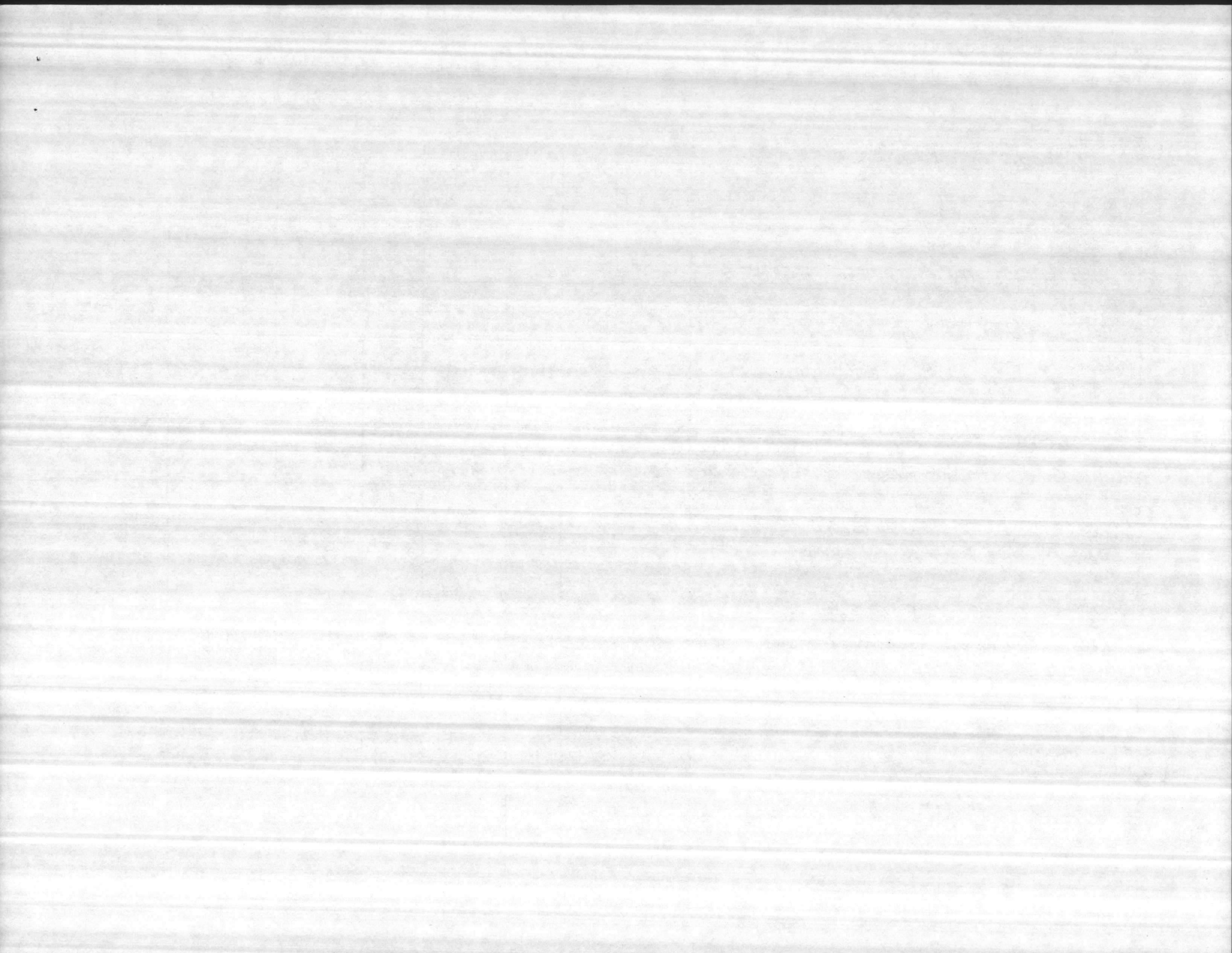
SHEET 42 of 73

Const. Contr. No. N62470-81-B-176

DATE 14 May 82

PROJECT		LOCATION		MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
Public Works Bldg., Helipad, & Landscaping		Camp Lejeune, NC		UNIT	TOTAL	UNIT	TOTAL		
<b>ELECTRICAL</b>	ITEMS	QUANTITY	UNIT						
	PUBLIC WORKS BLD'G								
	OUTLETS WITH COVER PLATS								
	DUPLEX RECEPTACLE 120V/20A/1φ	80	EA.	4. <sup>20</sup>	336.	3.11	249	585	
	RECEPTACLE 120V/30A/1φ 5-30R	4	EA.	5.84	23.	3.11	12	35	
	SINGLE RECEPTACLE 120V/20A/1φ	12	EA.	4. <sup>20</sup>	50.	3.11	37	87	
	RECEPTACLE EXPLOSION PROOF 120V/20A/1φ WITH BOX	4	EA.	31. <sup>00</sup>	124	3.56	14	138	
	WP DUPLEX RECEPTACAL 120V/20A/1φ W/OUTLET BOX	8	EA.	15. <sup>00</sup>	120	3.56	28	148	
					653		340	993	

PRELIM.  FINAL



MATERIAL & LABOR COST ESTIMATE

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ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

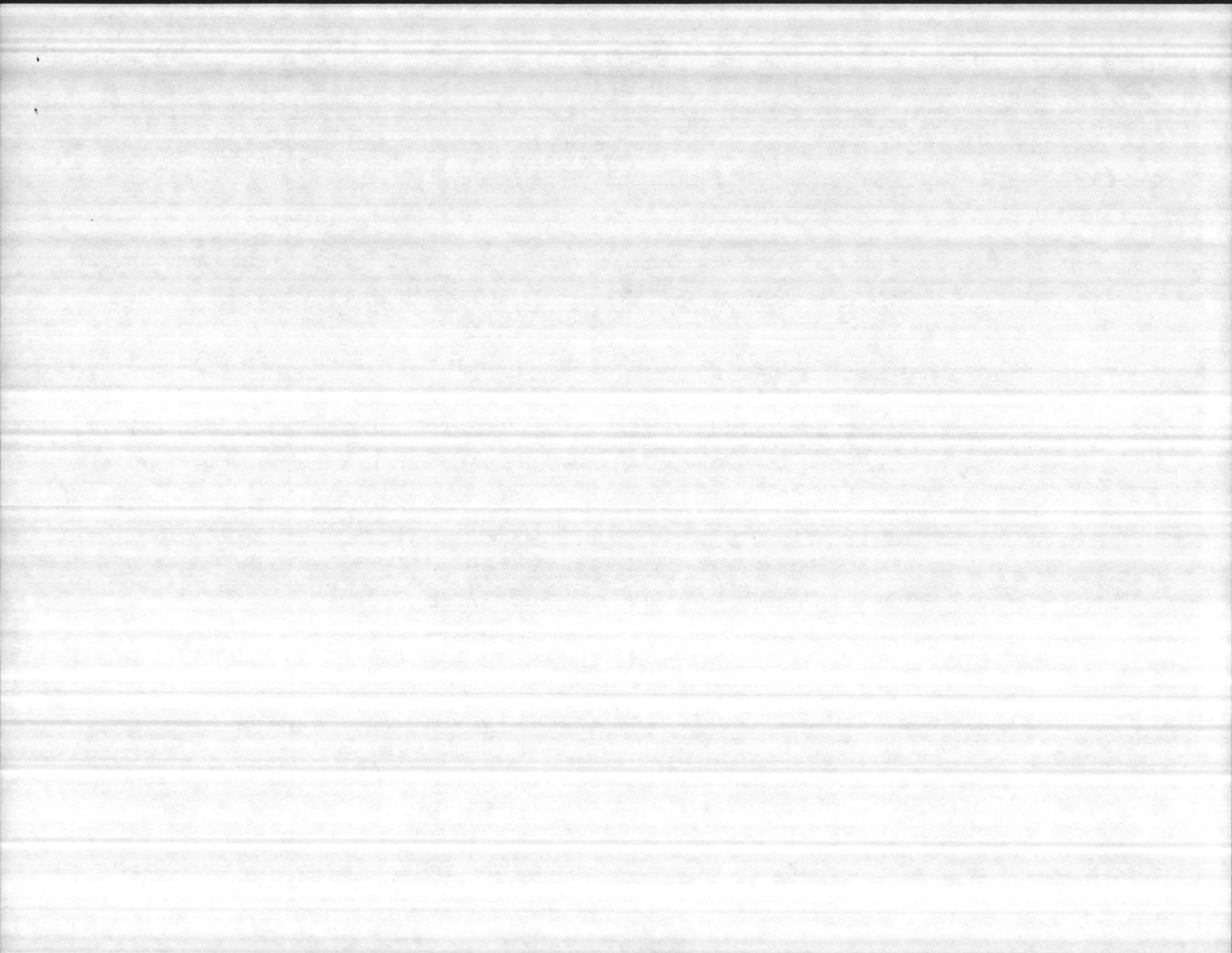
NORFOLK, VIRGINIA

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Const. Contr. No. N62470-81-B-1760

DATE 14 May 82

PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>		LOCATION <u>Camp Lejeune, NC</u>						<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL	
<u>Electrical - 1200 ITEMS</u>	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS	
			UNIT	TOTAL	UNIT	TOTAL			
<u>Public Works Bldg.</u>									
<u>Power</u>									
<u>45 KVA, 480-208/120V Xformer</u>	<u>1</u>	<u>ea.</u>	<u>988</u>	<u>988</u>	<u>213</u>	<u>213</u>	<u>1201</u>		
<u>Panelboard "MR4" 208/120V, 3Φ, 4W.</u>									
<u>225A mains, 150A. main BKR. / 21-</u>									
<u>20A-1P, 7-20A-2P, 1-30A-1P,</u>									
<u>1-30A-2P, 1-40A-2P, 1-30A-3P</u>	<u>1</u>	<u>ea</u>	<u>1170</u>	<u>1170</u>	<u>204</u>	<u>204</u>	<u>1374</u>		
<u>Panelboard "MR5" 208/120V, 3Φ, 4W.</u>									
<u>100A. mains, 100A. main C.B. /</u>									
<u>22-20A-1P, 1-30A-1P, 1-20A-2P,</u>									
<u>1-60A-1P, 1-60A 3P</u>	<u>1</u>	<u>ea.</u>	<u>648</u>	<u>648</u>	<u>107</u>	<u>107</u>	<u>755</u>		
<u>Panelboard "MR6" 208/120V, 3Φ, 4W.</u>									
<u>100A. mains, 50A. main C.B. /</u>									
<u>13-20A-1P, 1-30A-1P, 2-20A-2P</u>	<u>1</u>	<u>ea.</u>	<u>648</u>	<u>648</u>	<u>107</u>	<u>107</u>	<u>755</u>		
<u>15 KVA, 480-208/120V Xformer</u>	<u>1</u>	<u>ea.</u>	<u>513</u>	<u>513</u>	<u>116</u>	<u>116</u>	<u>629</u>		
				<u>3967</u>		<u>747</u>	<u>4714</u>		





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ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

Const. Contr. No. N62470-81-B-176

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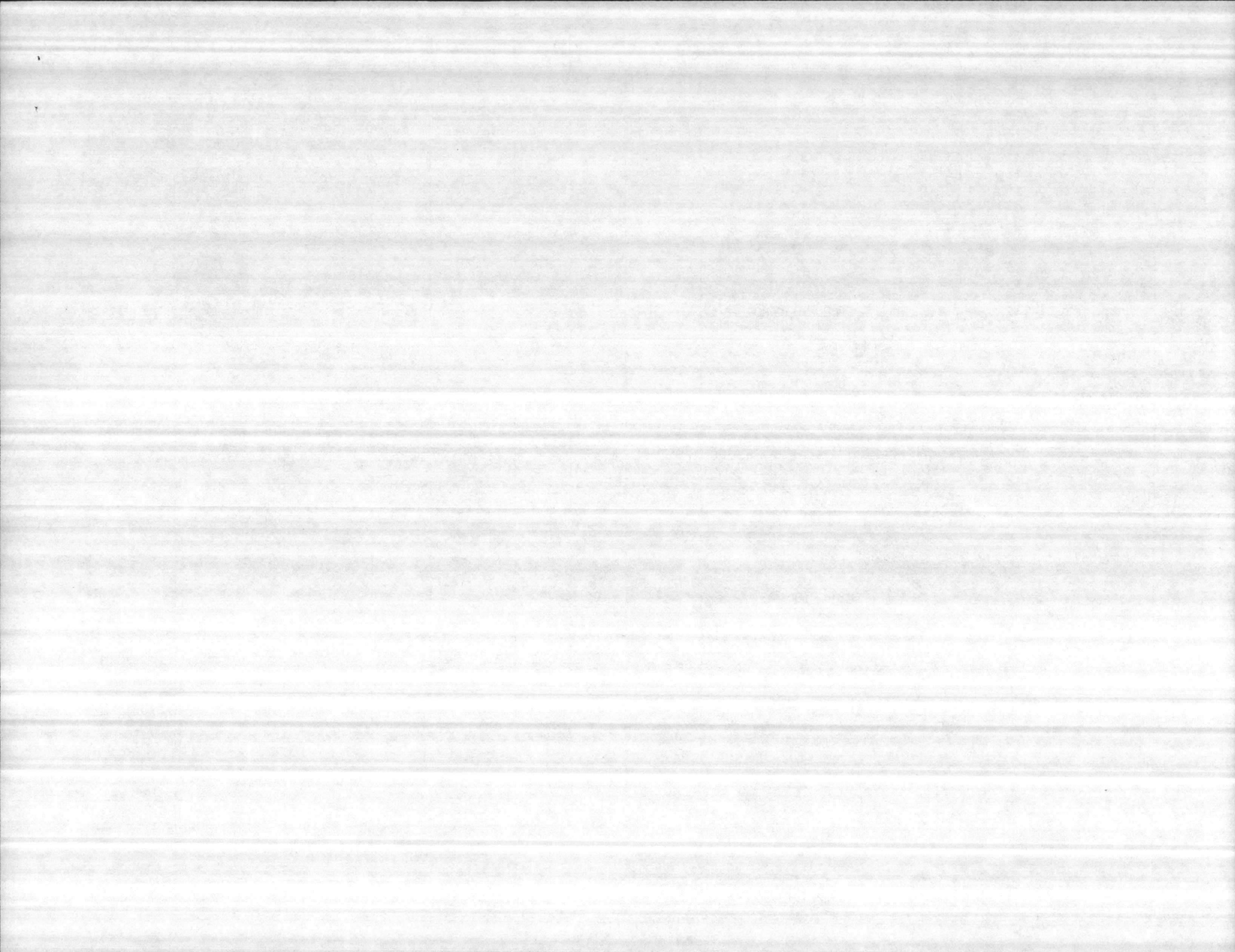
NORFOLK, VIRGINIA

DATE 14 May 82

PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>		LOCATION <u>Camp Lejeune, NC</u>						<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL	
	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS	
			UNIT	TOTAL	UNIT	TOTAL			
<u>Electrical - 1200 ITEMS</u>									
<u>Public Works Bldg</u>									
<u>Power</u>									
<u>MCC #1, 480/277V, 3φ, 4w.</u>									
<u>400 A. main C.B., with starters</u>									
<u>7 size 1 and fused disconnects</u>									
<u>2-30A, 4-60A, 2-100A.</u>	1	ea.	7419	7419	414	414	7833		
<u>Panelboard "ML" 480/277V, 3φ, 4w.</u>									
<u>100 A. mains, 100 A. Main C.B.,</u>									
<u>30-1P-20A Bkrs.</u>	1	ea.	1363	1363	107	107	1470		
<u>30 KVA, 480-208/120V. Xformer</u>	4	ea.	724	2896	165	660	3556		
<u>Panelboard "MR1" 208/120V, 3φ, 4w.</u>									
<u>225 A. mains, 100 A. main C.B.,</u>									
<u>40-20A-1P, 1-60A-2P Bkrs.</u>	1	ea.	1170	1170	160	160	1330		
<u>Panelboard "MR2" 208/120V, 3φ, 4w.</u>									
<u>100 A. mains, 100 A. Main C.B.,</u>									
<u>30-1P-20A Bkrs.</u>	1	ea.	1363	1363	107	107	1470		
<u>Panelboard "MR3" 208/120V, 3φ, 4w.</u>									
<u>100 A. mains, 100 A. Main C.B.,</u>									
<u>25-20A-1P, 1-30A-1P, 1-20A-2P,</u>	1	ea.	1363	1363	107	107	1470		
<u>1-60A-2P bkrs.</u>									

15,574

1,555 17,129



MATERIAL & LABOR COST ESTIMATE

LANTDIV NORVA 4-11012/5 (REV. 12/80)

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PREPARED BY Lock.Gr./Six Assoc.

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

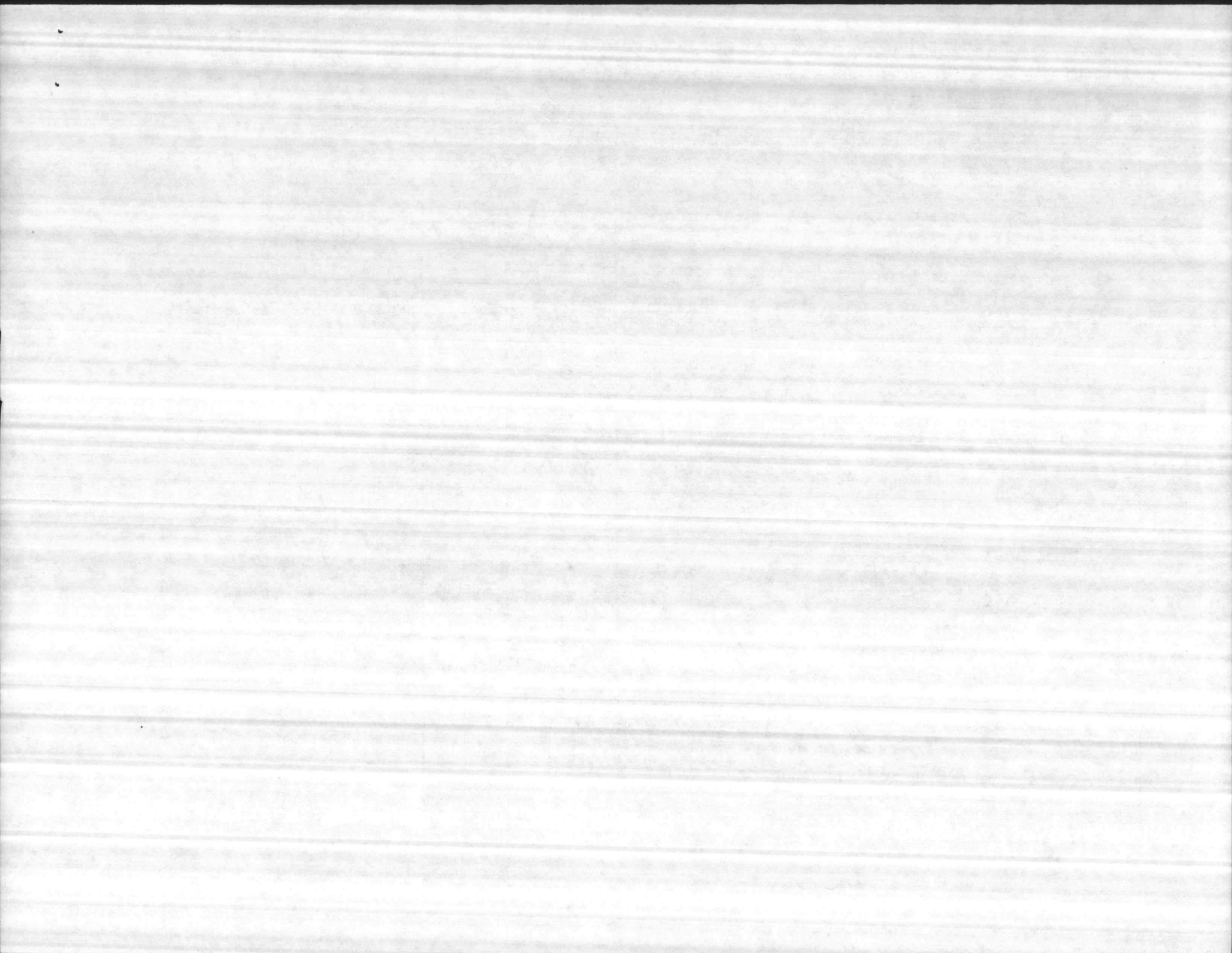
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FUNDS AVAIL. \_\_\_\_\_

NORFOLK, VIRGINIA

DATE 14 May 82

PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>		LOCATION <u>Camp Lejeune, NC</u>				<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL			
ELECTRICAL ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS	
			UNIT	TOTAL	UNIT	TOTAL			
<u>PUBLIC WORKS BLD'G</u>									
<u>POWER WIRING</u>									
<u>* 12 RHW</u>	<u>4.08</u>	<u>FT/M</u>	<u>66.86</u>	<u>273</u>	<u>106.63</u>	<u>435</u>	<u>708</u>		
<u>* 10 RHW</u>	<u>.235</u>	<u>FT/M</u>	<u>98.4</u>	<u>23</u>	<u>133.35</u>	<u>32</u>	<u>55</u>		
<u>* 8 RHW</u>	<u>.9</u>	<u>FT/M</u>	<u>155.95</u>	<u>140</u>	<u>151.13</u>	<u>136</u>	<u>276</u>		
<u>* 6 RHW</u>	<u>.18</u>	<u>FT/M</u>	<u>165.10</u>	<u>30</u>	<u>177.80</u>	<u>32</u>	<u>62</u>		
<u>* 4 RHW</u>	<u>.24</u>	<u>FT/M</u>	<u>243.84</u>	<u>59</u>	<u>195.58</u>	<u>47</u>	<u>106</u>		
<u>* 2 RHW</u>	<u>.3</u>	<u>FT/M</u>	<u>34.32</u>	<u>108</u>	<u>222.25</u>	<u>67</u>	<u>175</u>		
<u>* 1/0 RHW</u>	<u>1.19</u>	<u>FT/M</u>	<u>555.62</u>	<u>661</u>	<u>266.70</u>	<u>317</u>	<u>978</u>		
<u>750 MCM RHW</u>	<u>1.2</u>	<u>FT/M</u>	<u>5.40</u>	<u>6960</u>	<u>.60</u>	<u>720</u>	<u>7680</u>		
				<u>8254</u>		<u>1786</u>	<u>10,040</u>		



MATERIAL & LABOR COST ESTIMATE

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

NORFOLK, VIRGINIA

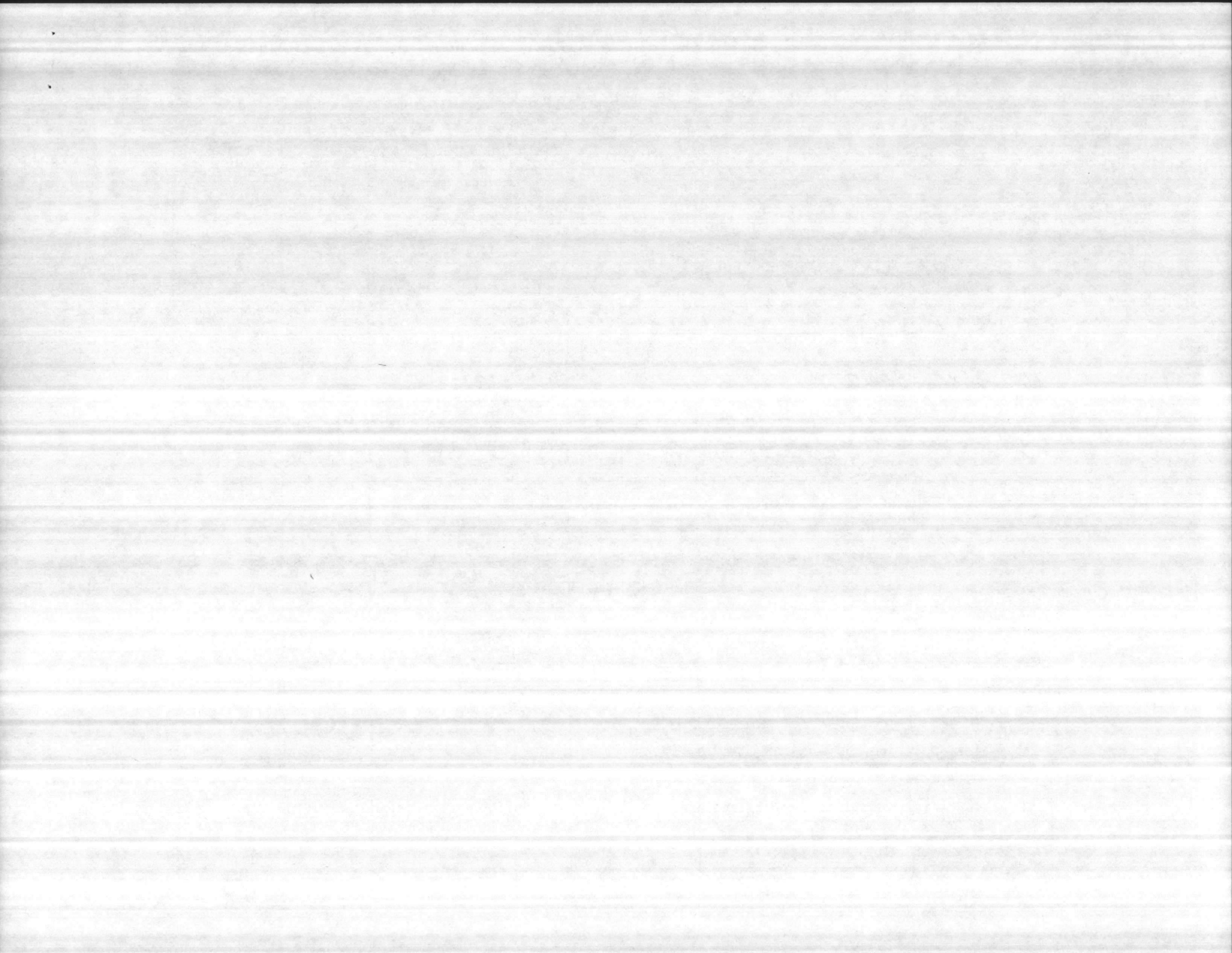
SHEET 46 of 73

Const. Contr. No. N62470-81-B-176

DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

ELECTRICAL ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
<b>PUBLIC WORKS BLD'G</b>								
<b>POWER WIRING</b>								
3/4" RIGID STL. CONDUIT	10.2	FT/C	57.40	585	44.45	453	1038	
1" RIGID STL. CONDUIT	2.35	FT/C	76.84	181	62.23	146	327	
1 1/4" RIGID STL. CONDUIT	.4	FT/C	101.02	40	80.01	32	72	
1 1/2" RIGID STL. CONDUIT	.8	FT/C	118.55	95	97.79	78	173	
2" RIGID STL. CONDUIT	.75	FT/C	161.60	121	133.35	100	221	
2 1/2" RIGID STL. CONDUIT	.2	FT/C	254.00	51	168.91	34	85	
5" RIGID STL. CONDUIT	3.1	FT/C	1052.83	3264	426.72	1323	4587	
				4337		2166	6503	



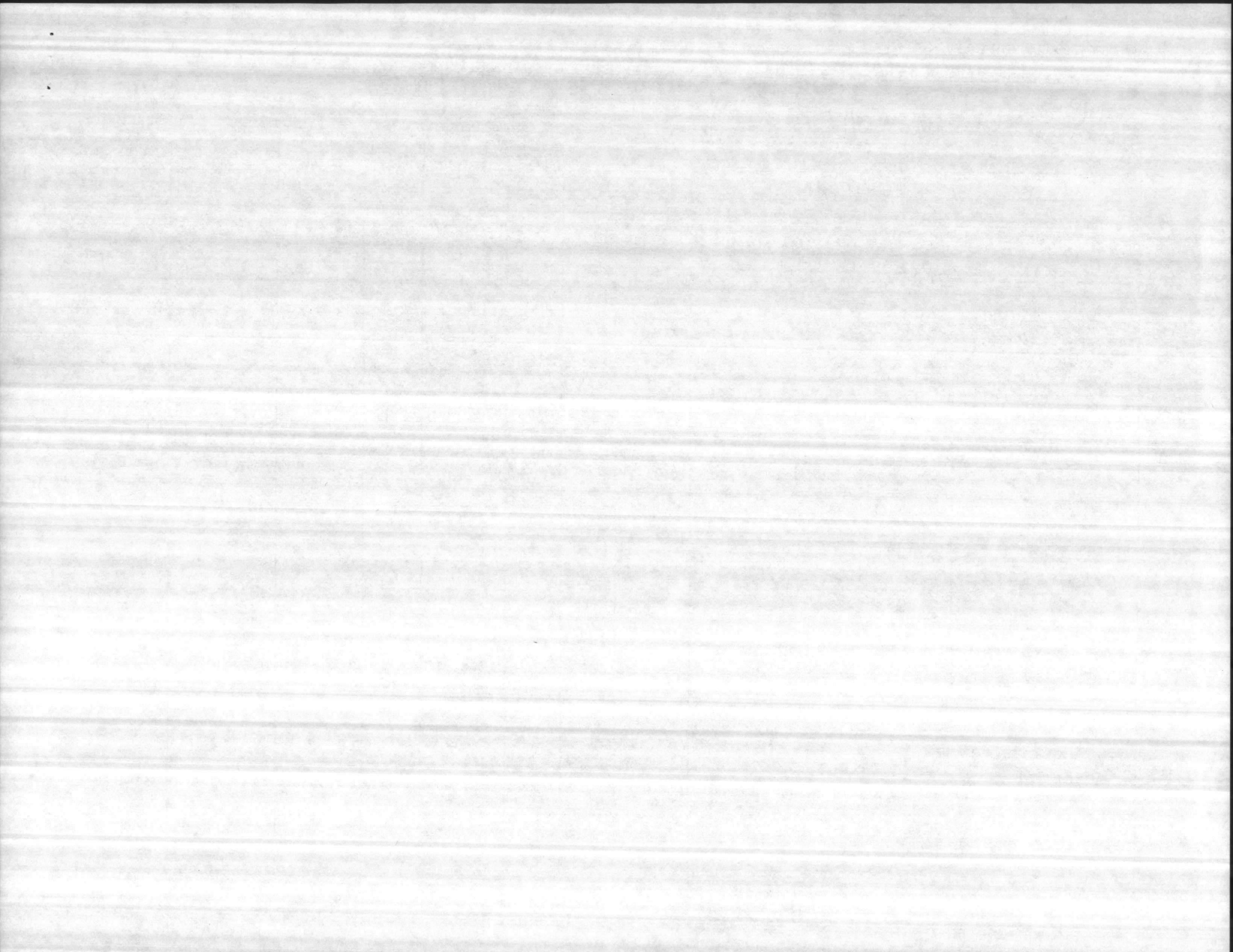
MATERIAL & LABOR COST ESTIMATE  
 PREPARED BY Lock.Gr./Six Assoc.  
 FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)  
 ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND  
 NORFOLK, VIRGINIA

SHEET 47 of 73  
 Const. Contr. No. N62470-81-B-176  
 DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

ELECTRICAL ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
<u>PUBLIC WORKS BLDG</u>								
<u>POWER WIRING</u>								
<u>3/4" RIGID HANGERS</u>	<u>102</u>	<u>EA.</u>	<u>.36</u>	<u>37</u>	<u>.53</u>	<u>54</u>	<u>91</u>	
<u>1"</u>	<u>24</u>	<u>EA.</u>	<u>.46</u>	<u>11</u>	<u>.53</u>	<u>13</u>	<u>24</u>	
<u>1 1/4"</u>	<u>4</u>	<u>EA.</u>	<u>.66</u>	<u>3</u>	<u>.89</u>	<u>4</u>	<u>7</u>	
<u>1 1/2"</u>	<u>8</u>	<u>EA.</u>	<u>.75</u>	<u>6</u>	<u>.89</u>	<u>7</u>	<u>13</u>	
<u>2"</u>	<u>8</u>	<u>EA.</u>	<u>1.47</u>	<u>12</u>	<u>.89</u>	<u>7</u>	<u>19</u>	
<u>5"</u>	<u>31</u>	<u>EA</u>	<u>12.29</u>	<u>400</u>	<u>1.33</u>	<u>41</u>	<u>441</u>	
<u>3/4" RIGID TERMINATIONS</u>								
<u>1"</u>	<u>10</u>	<u>EA.</u>	<u>2.21</u>	<u>22</u>	<u>2.67</u>	<u>27</u>	<u>49</u>	
<u>1 1/4"</u>	<u>6</u>	<u>EA.</u>	<u>2.77</u>	<u>17</u>	<u>2.67</u>	<u>16</u>	<u>33</u>	
<u>1 1/2"</u>	<u>2</u>	<u>EA.</u>	<u>3.19</u>	<u>6</u>	<u>3.56</u>	<u>7</u>	<u>13</u>	
<u>2"</u>	<u>6</u>	<u>EA.</u>	<u>4.33</u>	<u>26</u>	<u>7.11</u>	<u>43</u>	<u>69</u>	
<u>2 1/2"</u>	<u>2</u>	<u>EA</u>	<u>8.06</u>	<u>16</u>	<u>10.67</u>	<u>21</u>	<u>37</u>	
<u>5"</u>	<u>2</u>	<u>EA</u>	<u>52.54</u>	<u>105</u>	<u>17.78</u>	<u>36</u>	<u>141</u>	
				<u>709</u>		<u>322</u>	<u>1031</u>	





FUNDS AVAIL. \_\_\_\_\_ NORFOLK, VIRGINIA

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

ELECTRICAL ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
<u>PUBLIC WORKS BLD'G</u>								
<u>POWER</u>								
<u>2" RIGID ELLS</u>	<u>8</u>	<u>EA.</u>	<u>6.88</u>	<u>55</u>	<u>8.89</u>	<u>71</u>	<u>126</u>	
<u>2 1/2"</u>	<u>3</u>	<u>EA.</u>	<u>12.71</u>	<u>38</u>	<u>16.51</u>	<u>50</u>	<u>88</u>	
<u>5"</u>	<u>6</u>	<u>EA.</u>	<u>114.95</u>	<u>690</u>	<u>53.34</u>	<u>320</u>	<u>1010</u>	
<u>3/4" EQUIPMENT CONNECTION</u>	<u>10</u>	<u>EA.</u>	<u>10.85</u>	<u>108.</u>	<u>13.34</u>	<u>133</u>	<u>241</u>	
<u>5" PVC TO RIGID ADAPTER</u>	<u>1</u>	<u>EA.</u>	<u>9.10</u>	<u>9</u>	<u>13.34</u>	<u>13</u>	<u>22</u>	
<u>30 A, 3P NON-FUSE DISC. FOR CLASS I, DIV. I AREA</u>	<u>1</u>	<u>EA</u>	<u>356.87</u>	<u>357</u>	<u>13.34</u>	<u>13</u>	<u>370</u>	
<u>3/4" CONDUIT SEALS</u>	<u>4</u>	<u>EA.</u>	<u>4.25</u>	<u>17</u>	<u>8.89</u>	<u>36</u>	<u>53</u>	
<u>30 A-3P NON FUSE DISC.</u>	<u>8</u>	<u>EA</u>	<u>29.21</u>	<u>234</u>	<u>13.34</u>	<u>107</u>	<u>341</u>	
				<u>1508</u>		<u>743</u>	<u>2251</u>	



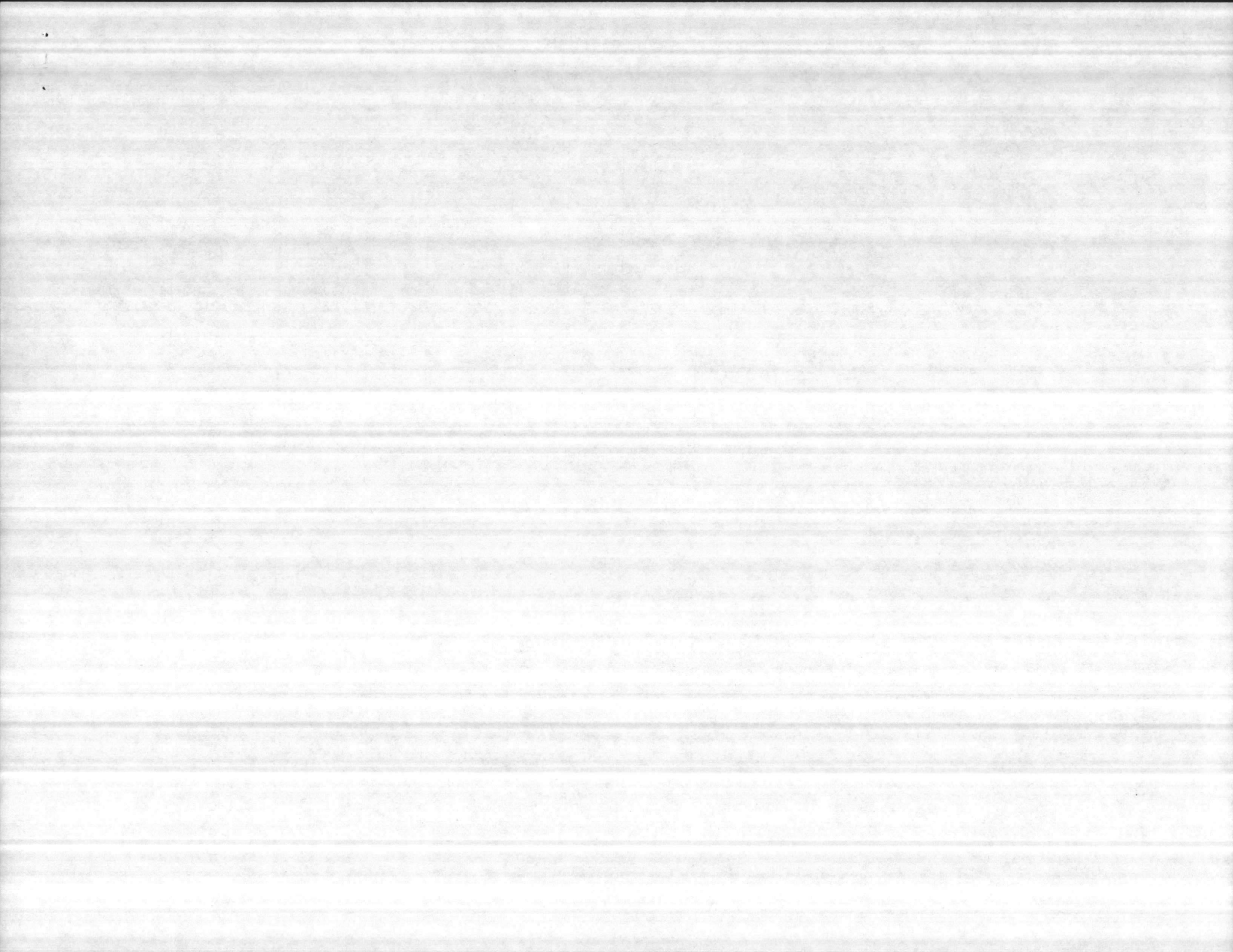
FUNDS AVAIL. \_\_\_\_\_

NORFOLK, VIRGINIA

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

ELECTRICAL ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
TELEPHONE EQUIPMENT								
SINGLE LINE PUSH BUTTON SET	13	EA.	74.93	974	17.78	231	1205	EXECUTING NEWBURN
CABLING TYPE JK	725	L.F.	.08	58	.09	65	123	N.C.
50 PR. FEEDER CABLE	1200	L.F.	.72	864	.09	108	972	↓
TELEPHONE OUTLET BOX	12	EA.	.84	10	8.89	107	117	
3/4" EMT CONDUIT	9.2	LF/C	25.40	234	35.56	327	561	
3/4" EMT HANGERS	92	EA.	.19	17	.53	49	66	
3/4" EMT CONNECTORS	52	EA.	.47	24	1.27	66	90	
3/4" EMT COUPLINGS	92	EA.	.48	44	-	-	44	
4'x8'x 3/4" PLYWOOD BACKBOARD	1	EA.	18	18	28	28	46	
2" PVC TYPE DB CONDUIT	7.5	LF/C	100.71	755	80.01	600	1355	
2" PVC TYPE DB COUPLING	75	EA.	.97	73	4.45	334	407	
2" RIGID STEEL CONDUITS ELBOWS	3	EA.	6.98	21	8.89	27	48	
1 1/4" G.R.S. CONDUIT	108	FT.	1.35	146	.93	100	246	
1" G.R.S. CONDUIT	80	FT.	1.03	82	.75	60	142	
3/4" G.R.S. CONDUIT	110	FT.	.77	85	.62	68	153	
# 18 THW	3.3	LF/M	22.86	75	71.12	235	310	

3480                      2405                      5885



FUNDS AVAIL . \_\_\_\_\_

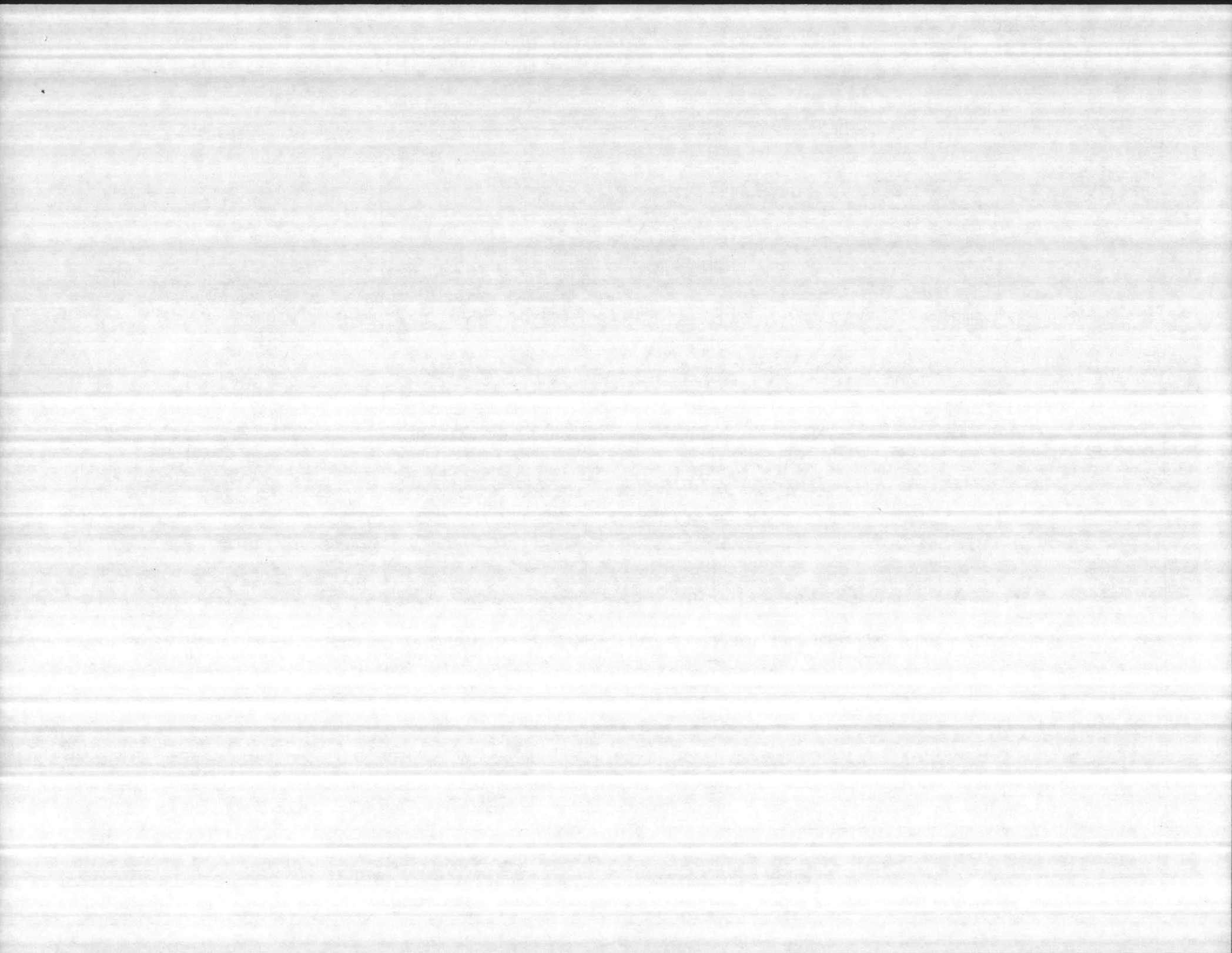
NORFOLK, VIRGINIA

PROJECT Public Works Bldg., Helipad, & Landscaping

LOCATION Camp Lejeune, NC

PRELIM.  FINAL

ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
<i>Electrical</i>								
<i>Public Works Bldg.</i>								
<i>Communications - T.V. Syst. - and security systems</i>								
<i>Magnetic door switches</i>	12	ea.	13	286	3.50	77	363	
<i>Security camera/w.P. Housing</i>	1	ea.	1000	1000	217	217	1217	
<i>Video Modulator</i>	1	ea.	1727	1727	18	18	1745	
<i>Video Demodulator</i>	1	ea.	1727	1727	18	18	1745	
<i>Coaxial Cable - 412 AL.</i>	600	L.F.	.28	168	.16	96	264	
<i>Coaxial Cable RG 59U</i>	180	L.F.	.11	20	.18	32	52	
<i>T.V. outlet/cover plate &amp; connector</i>	5	ea.	3.75	19	8.75	44	63	
<i>4" outlet boxes/cover plates</i>	34	ea.	.84	29	8.89	302	331	
<i>3/4" conduit E.M.T.</i>	770	L.F.	.25	193	.36	277	470	
<i>2" conduit G.R.S.</i>	420	L.F.	2.20	924	3.45	1449	2373	
<i>Security Control Wire No. 16 shielded</i>	280	L.F.	.67	188	.44	123	311	
<i>Camera Wipers " " " "</i>	280	L.F.	.67	188	.44	123	311	
<i>Signal splitters mixers</i>	6	ea.	44	264	18	108	372	
<i>Line extender amplifier 1-way</i>	1	ea.	336	336	36	36	372	
<i>" " " 2-way</i>	1	ea.	368	368	36	36	404	
<i>1/4" Conduit E.M.T.</i>	440	L.F.	.80	352	1.55	682	1034	
				7789		3638	11,427	



MATERIAL & LABOR COST ESTIMATE

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-1101275 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

NORFOLK, VIRGINIA

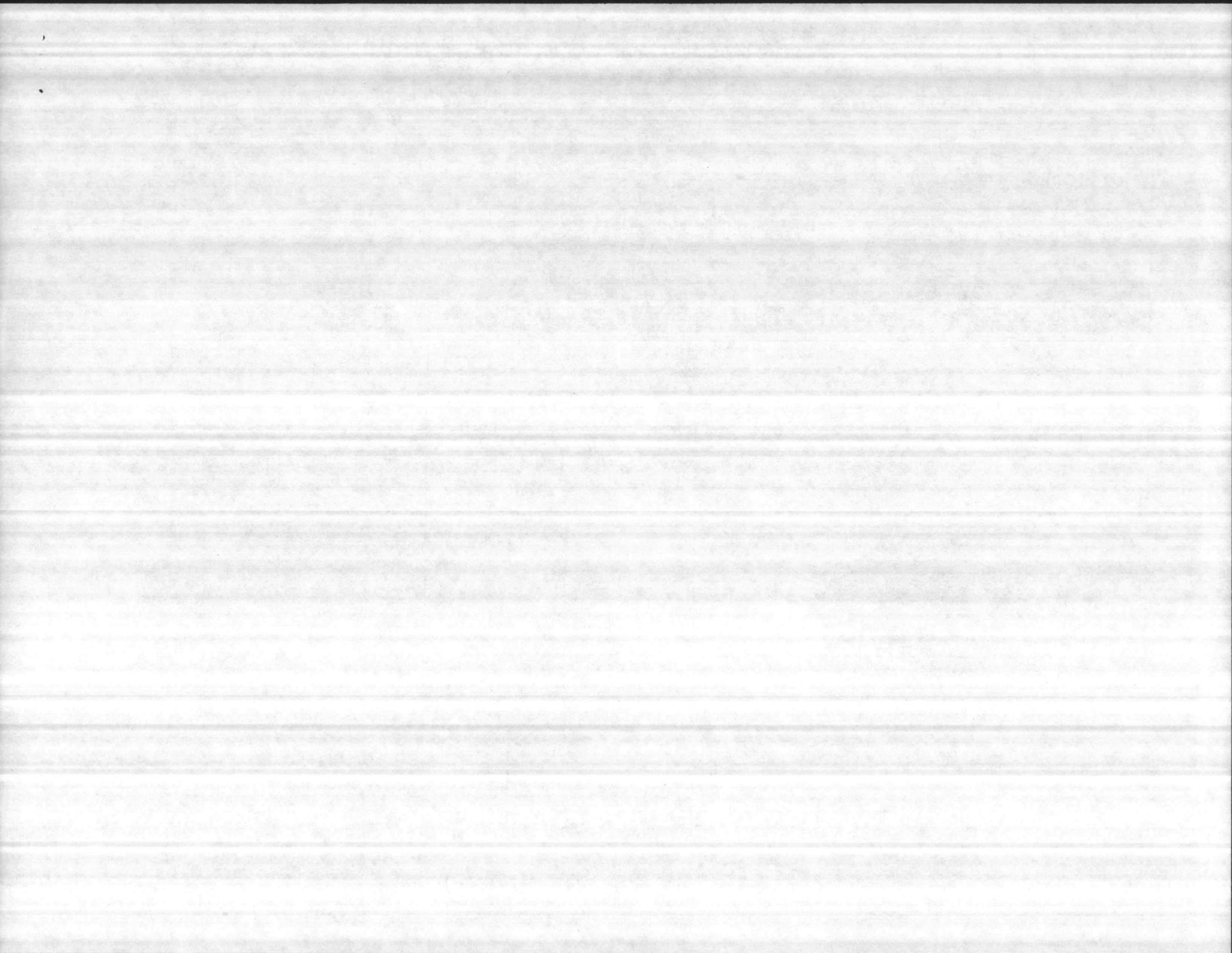
SHEET \_\_\_\_\_ of \_\_\_\_\_

Const. Contr. No. N62470-81-B-1760

DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

ELECTRICAL - 1200 ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
<u>Public Works Bldg.</u>								
<u>Fire Alarm System</u>								
Master Box	1	ea.	1050	1050	50	50	1100	
Conduit G.R.S. 1"	500'	L.F.	.76	380	.53	265	645	
Trench & Back Fill	300'	L.F.	.31	93	.31	93	186	
Junction Boxes	8	ea.	83	7	8.89	71	78	
Wire No. 18	110'	L.F.	.03	3	.07	8	11	
" No. 12	220'	L.F.	.07	15	.14	31	46	
" No. 8	500'	L.F.	.18	90	.19	95	185	
				<u>1638</u>		<u>613</u>	<u>2251</u>	





MATERIAL & LABOR COST ESTIMATE

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

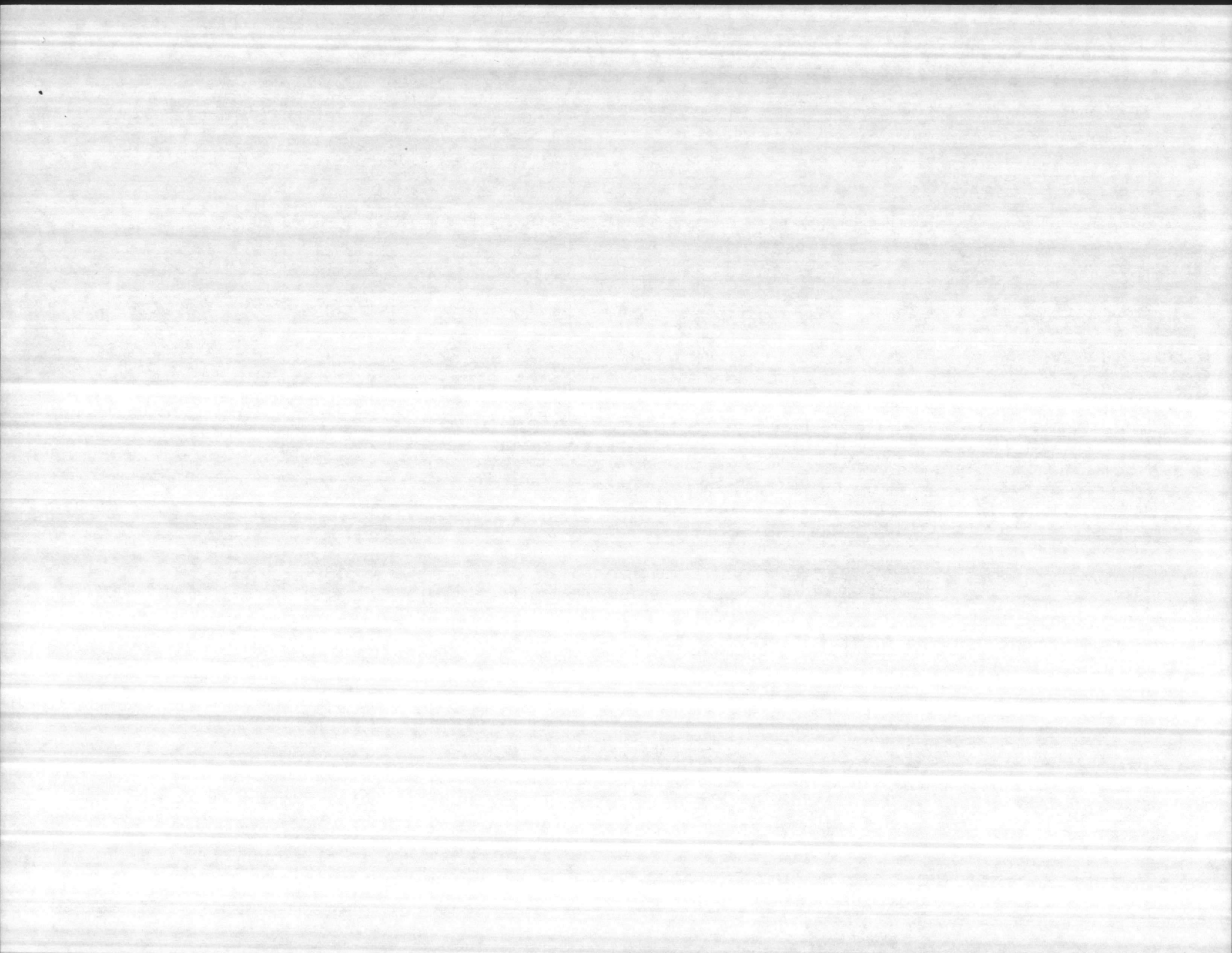
NORFOLK, VIRGINIA

SHEET 52 of 73

Const. Contr. No. N62470-81-B-1761

DATE 14 May 82

PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>		LOCATION <u>Camp Lejeune, NC</u>				<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL		TOTAL COST	REMARKS
ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST				
			UNIT	TOTAL	UNIT	TOTAL			
<u>1300-SPECIAL EQUIP</u>									
<u>INDUSTRIAL DOCK BOARD -</u>	<u>1</u>	<u>EA</u>	<u>SUB CONTRACT @</u>		<u>2400</u>		<u>2400</u>	<u>PRICE FROM</u>	
<u>MOTOR OPERATED, 20,000</u>								<u>HANDLING SYS.</u>	
<u>LBS CAPACITY-6'x6' WITH</u>								<u>TEMS, INC.</u>	
<u>2 HEAVY DUTY BUMPERS</u>								<u>R.F. PEARSON</u>	
								<u>ASHEVILLE, N.C.</u>	
								<u>(704)-274-7111</u>	
<u>MOTOR VEHICLE LIFT, TYPE II,</u>	<u>1</u>	<u>EA</u>	<u>SUB CONTRACT @</u>		<u>3900</u>		<u>3900</u>		
<u>STYLE A - CS 142-65'</u>									
								<u>PRICE FROM</u>	
							<u>6300</u>	<u>SOUTHERN PU</u>	
<u>PRIME O.H. &amp; PROFIT - 10%</u>							<u>630</u>	<u>&amp; TANK Co.</u>	
							<u>6930</u>	<u>ASHEVILLE, N.C.</u>	
<u>BOND (.75%)</u>							<u>52</u>	<u>(704) 667-4530</u>	
							<u>6982</u>	<u>JOHN KNOX</u>	
<u>ESCALATION (5.1%)</u>							<u>356</u>		
							<u>7338</u>	<u>7300</u>	



MATERIAL & LABOR COST ESTIMATE

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

NORFOLK, VIRGINIA

SHEET 53 of 73

Const. Contr. No. N62470-81-B-176

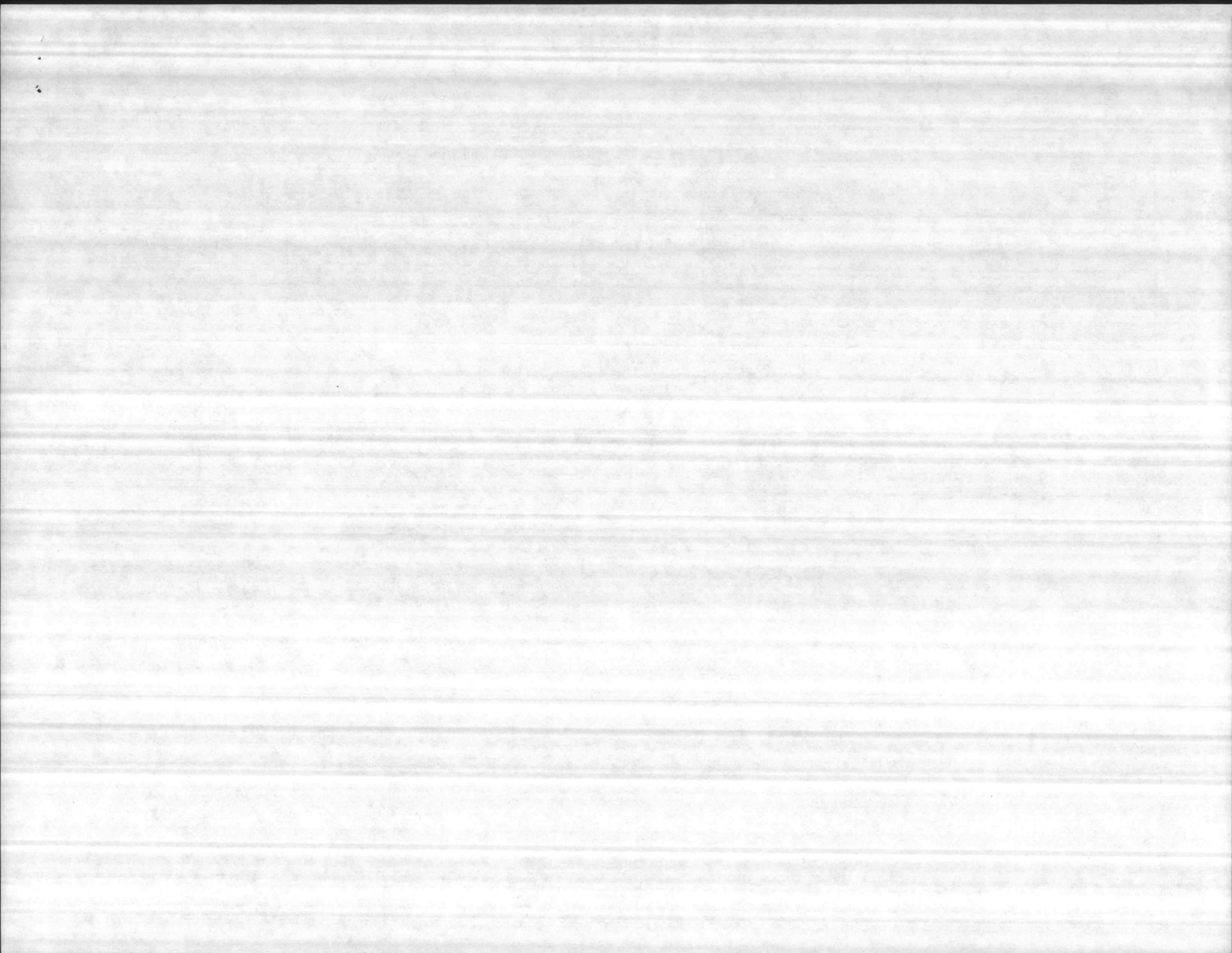
DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping

LOCATION Camp Lejeune, NC

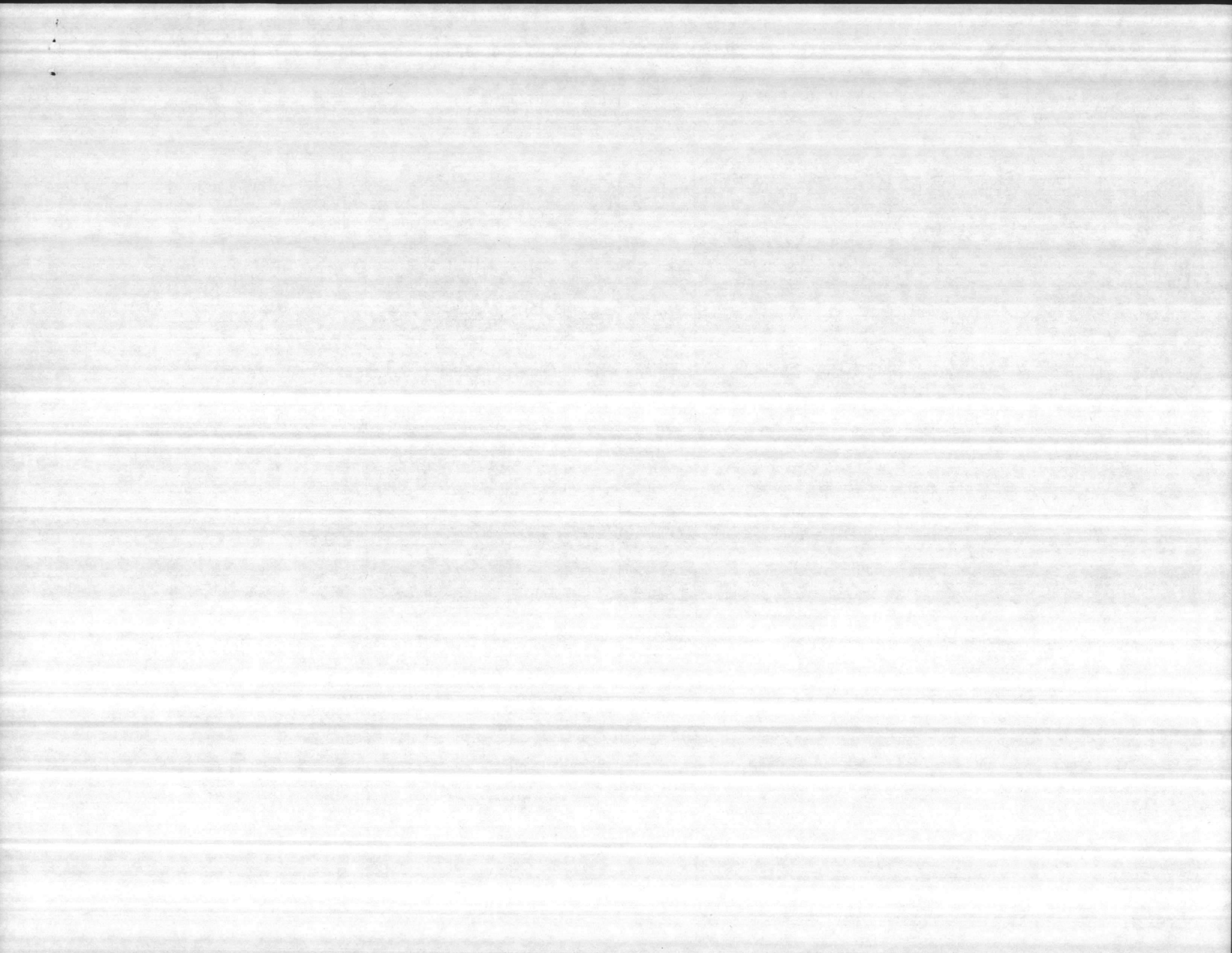
PRELIM.  FINAL

ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
<u>1410</u>								
<u>Site Electrical - Summary</u>								
<u>Material and Labor</u>				<u>75647</u>		<u>18,782</u>		
<u>Material Sales Tax</u>	<u>4%</u>			<u>3025</u>		<u>—</u>		
<u>Labor insurance and payroll tax</u>	<u>18%</u>			<u>—</u>		<u>3381</u>		
<u>Sub-Total</u>				<u>78673</u>		<u>22,163</u>	<u>100,836</u>	
<u>Sub-contractors Overhead</u>	<u>12%</u>						<u>12,100</u>	
<u>Sub-Total</u>							<u>112,936</u>	
<u>Sub-contractors Profit</u>	<u>8%</u>						<u>9035</u>	
<u>Sub-Total</u>							<u>121,971</u>	
<u>Prime Contractor overhead</u>	<u>5%</u>						<u>6,099</u>	
<u>Sub-Total</u>							<u>128,070</u>	
<u>Prime Contractor Profit</u>	<u>5%</u>						<u>6,403</u>	
<u>Sub-Total</u>							<u>134,473</u>	
<u>Bond</u>	<u>0.75%</u>						<u>1,009</u>	
<u>Sub-Total</u>							<u>135,482</u>	
<u>Execution To Jan. 1983</u>	<u>5.1%</u>						<u>6,910</u>	
<u>Total Electrical Site work</u>							<u>142,392</u>	<u>142,400</u>



PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

ELECTRICAL SITE ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
<u>Public Works Bldg.</u>								
<u>Exterior Lighting</u>								
Pole and Fixture Type AAA	ea.	13	1676	21788	71	923	22711	
Conduit 1 1/2" G.R.S.	L.F.	970	1.25	1213	1.41	1368	2581	
Wire No. 6 THW	L.F.	3900	.22	858	.24	936	1794	
Timer - 7 day Astro dial	ea.	1	195	195	47	47	242	
				<u>24054</u>		<u>3274</u>	<u>27328</u>	
<u>Exterior Power Service</u>								
2-Way duct bank 5" GRS	110'	L.F.	13.32	1465	6.82	750	2215	
750 MC in cables	3280	L.F.	5.80	19024	0.60	1968	20992	
				<u>20489</u>		<u>2718</u>	<u>23207</u>	



MATERIAL & LABOR COST ESTIMATE

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

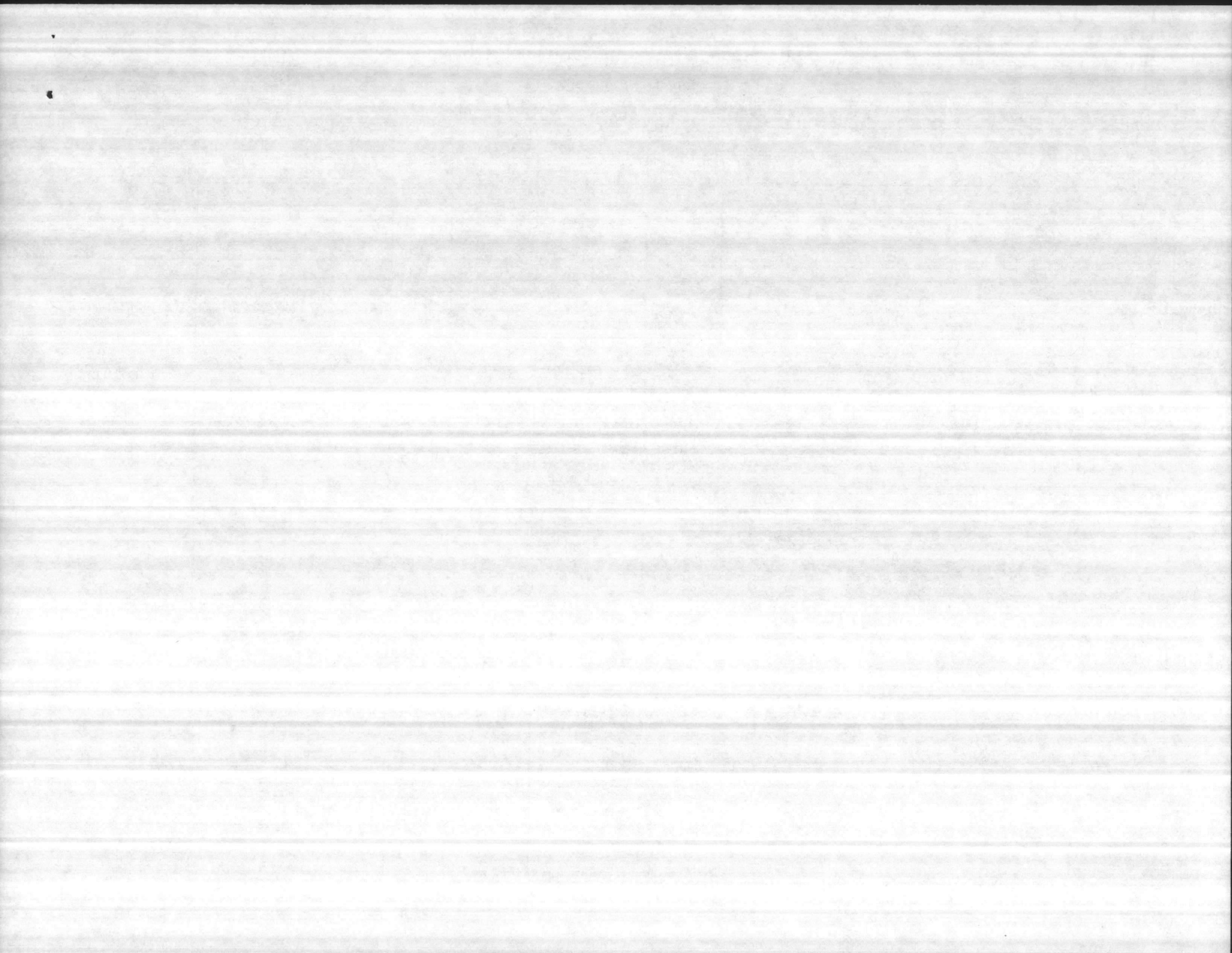
NORFOLK, VIRGINIA

SHEET \_\_\_\_\_ of \_\_\_\_\_

Const. Contr. No. N62470-81-B-1766

DATE 14 May 82

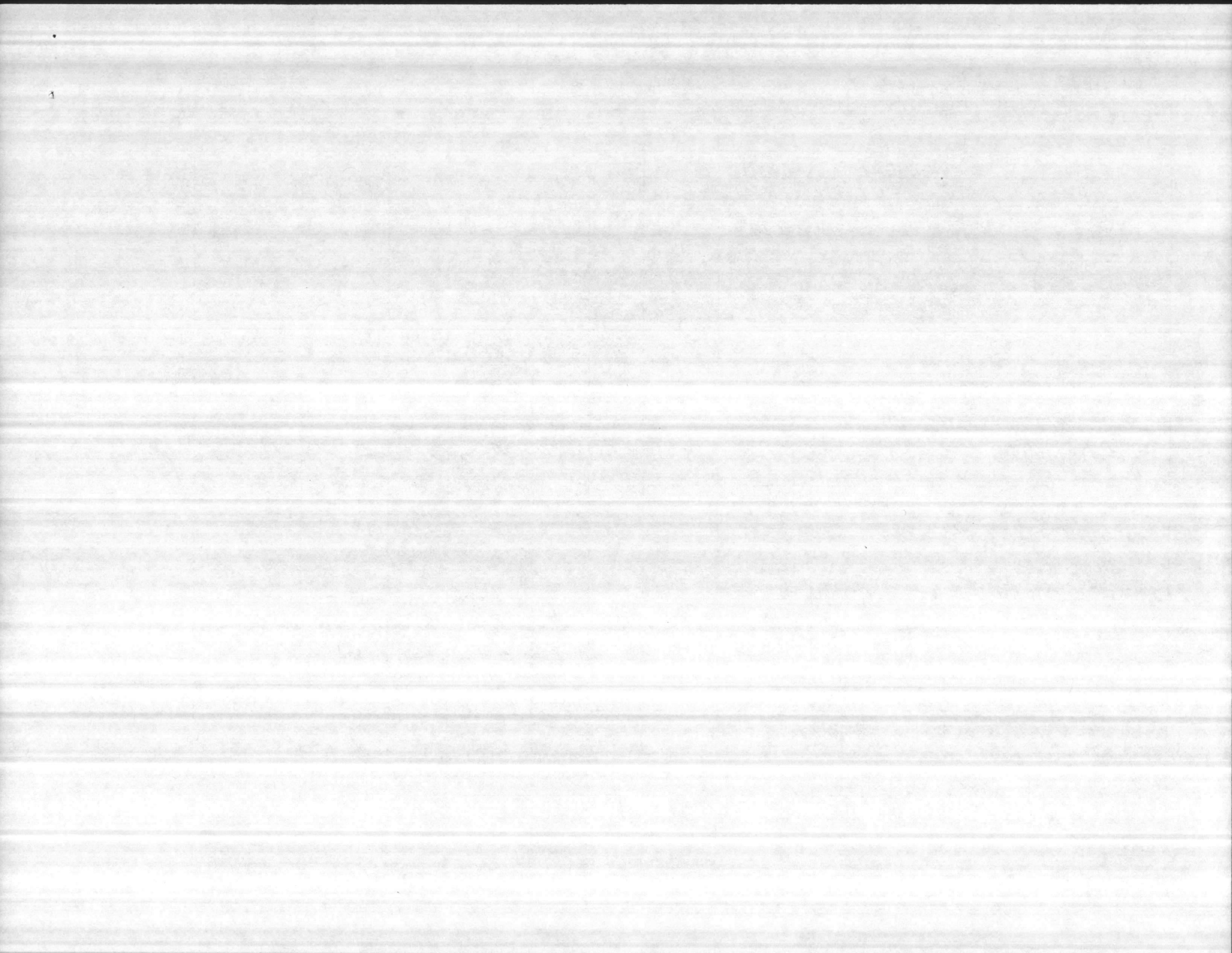
PROJECT		LOCATION		MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
Public Works Bldg., Helipad, & Landscaping		Camp Lejeune, NC		UNIT	TOTAL	UNIT	TOTAL		
<i>ELECTRICAL ITEMS</i>									
<i>HELIPAD</i>									
<i>4-WAY 5" PVC DUCTBANK W/ SPACERS (NO CONCRETE INCL.)</i>									
500	FT.	5.32	2660	3.02	1510	4170	<i>MH #26 TO MH27</i>		
6755	FT.	1.27	8579	.33	2229	10,808	<i>ANDACONDA</i>		
2245	FT.	.36	808	.20	449	1257			
1	EA.	114.95	115	53.34	53	168			
1	EA.	9.09	9	13.34	13	22			
1	EA.	3.72	4	8.89	9	13			
<i>50 KVA. 12470 TO 120/240V, 1Φ OIL FILLED PAD MTR. XFMR. W/ PRIMARY FUSED LOAD BREAK SW, DIST. TYPE LA'S, 2-2 1/2% TAPS.</i>									
1	EA.	1460.50	1461	213.36	213	1674	<i>G.E.</i>		
<i>PANELBOARD HPLI W.P. 120/240V, 1Φ W/225A, MAIN BKR. 1-30-20A. 1P BKR</i>									
1	EA.	651.51	652	160	160	812	<i>G.E.</i>		
1	EA.	15.24	15	2.54	3	18	<i>MTG. FRAME FOR PANELBOARD</i>		
50	FT.	1.05	53	.34	17	70	<i># 4/0</i>		
20	FT.	.36	7	.22	5	12	<i># 2</i>		
					14,363	4661	19,024		





PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

ELECTRICAL ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
<i>HELIPAD (CONTINUED)</i>								
<i>FLOODLIGHT ASSEM. CONSISTING OF:</i>								
<i>2 - 500 W. FLODS. ON DUPLEX BKT.</i>								
<i>W/OBS LGT. ALL MTD. ON 10' STL.</i>								
<i>POLE W/HANDHOLE &amp; WP 120V</i>								
<i>CONV. OUTLET,</i>								
	8	EA.	468. <sup>63</sup>	3749	88. <sup>90</sup>	711	4460	CROUSE-HINDS
<i>INSET LIGHTS, TYPE FMT-H16</i>								
<i>SEMI-FLUSH MTD. OMNI-DIRECTIONAL</i>								
<i>WHITE LENS, SERCO CAT # 19405</i>								
	4	EA.	301. <sup>62</sup>	1206	35. <sup>56</sup>	142	1348	
<i>PERIMETER LTG. - TYPE ERL-RTM</i>								
<i>W/ AVIATION YELLOW GLOBE</i>								
	16	EA.	132. <sup>92</sup>	2124	22. <sup>23</sup>	356	2480	
<i>LTG. DIRECTION LIGHTS, TYPE ERL-RTM</i>								
<i>W/ AVIATION YELLOW GLOBE</i>								
	12	EA.	132. <sup>72</sup>	1593	22. <sup>23</sup>	267	1860	
<i>LIGHTED WIND INDICATOR TYPE</i>								
<i>WC-18 &amp; AA481 B PER FAA SPEC. L-807-</i>								
<i>8 FOOT INTERNATIONAL ORANGE CONE</i>								
<i>-4-150 W. LUMINAIRES, OBSTRUCTION</i>								
<i>LIGHT &amp; HINGED POLE, NOM. HEIGHT</i>								
<i>22'</i>								
	1	EA.	1134. <sup>11</sup>	1134	158. <sup>25</sup>	159	1293	
				9806		1635	11441	



**MATERIAL & LABOR COST ESTIMATE**

LANTDIV NORVA 4-11012/5 (REV. 12/80)

SHEET 5 of 15

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ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

Const. Contr. No. N62470-81-B-1766

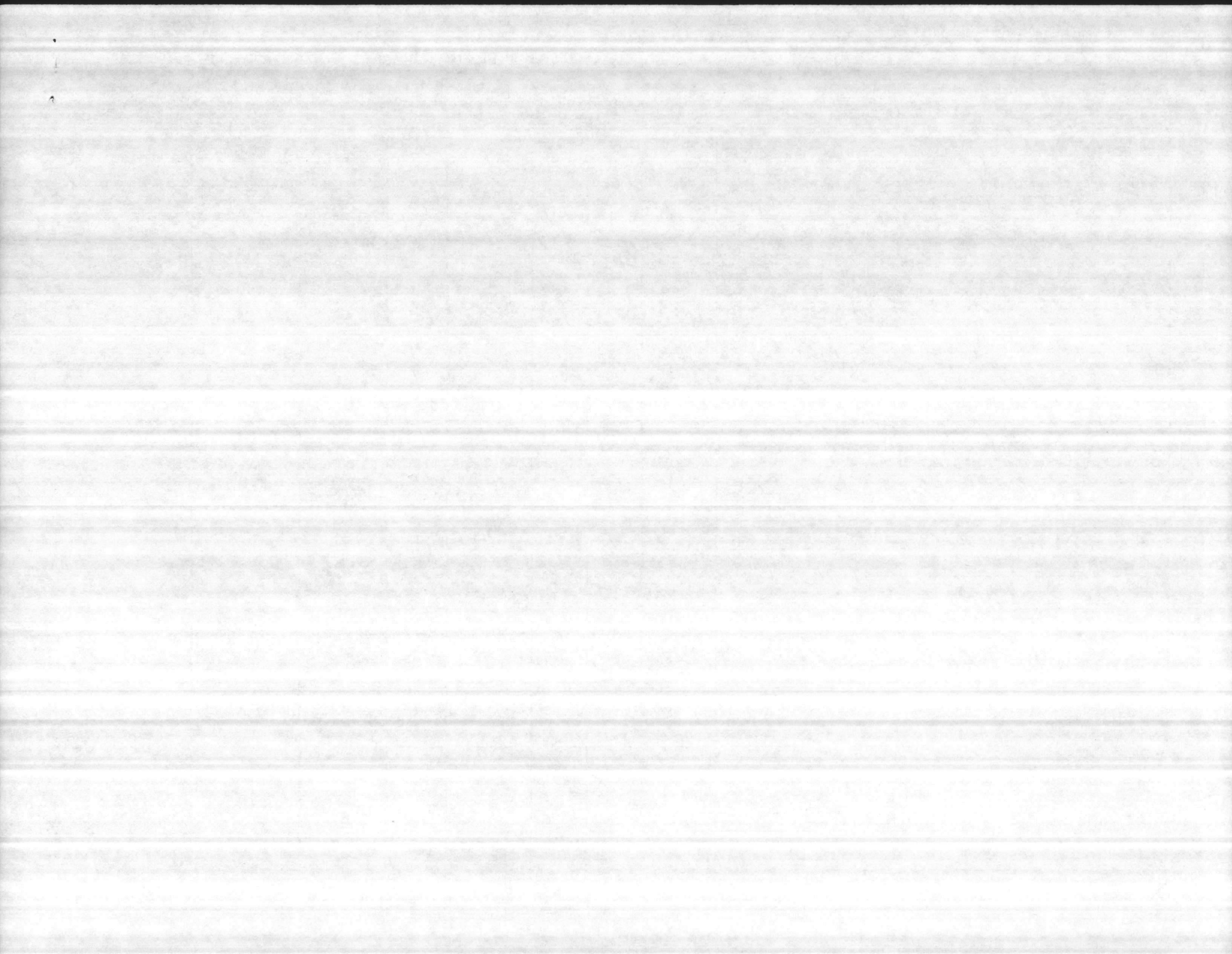
FUNDS AVAIL. \_\_\_\_\_

NORFOLK, VIRGINIA

DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

ELECTRICAL ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
<i>HELIPAD (CONTINUED)</i>								
<i>3/4" x 10' COPPERCLAD GRD. ROD</i>	<i>4</i>	<i>EA</i>	<i>20.69</i>	<i>83</i>	<i>8.89</i>	<i>36</i>	<i>119</i>	
<i>#4/0 COPPER GRD. WIRE</i>	<i>60</i>	<i>FT.</i>	<i>1.61</i>	<i>97</i>	<i>.27</i>	<i>16</i>	<i>113</i>	
<i>TRENCHING</i>	<i>50</i>	<i>FT.</i>	<i>.32</i>	<i>16</i>	<i>.95</i>	<i>48</i>	<i>64</i>	
<i>EXOTHERMIC WELD</i>	<i>7</i>	<i>EA.</i>	<i>5.73</i>	<i>40</i>	<i>6.67</i>	<i>47</i>	<i>87</i>	
<i>W.P. DUPLEX RECEPT OUTLET</i>	<i>1</i>	<i>EA.</i>	<i>14.92</i>	<i>15</i>	<i>11.11</i>	<i>11</i>	<i>26</i>	
<i>2" PVC CONDUIT</i>	<i>1950</i>	<i>FT.</i>	<i>.32</i>	<i>624</i>	<i>1.07</i>	<i>2087</i>	<i>2711</i>	
<i># 6 CONDUCTOR</i>	<i>6670</i>	<i>FT.</i>	<i>.17</i>	<i>1134</i>	<i>.18</i>	<i>1200</i>	<i>2334</i>	
				<i>2009</i>		<i>3445</i>	<i>5454</i>	



**MATERIAL & LABOR COST ESTIMATE**

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LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

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Const. Contr. No. N62470-81-B-1766

NORFOLK, VIRGINIA

DATE 14 May 82

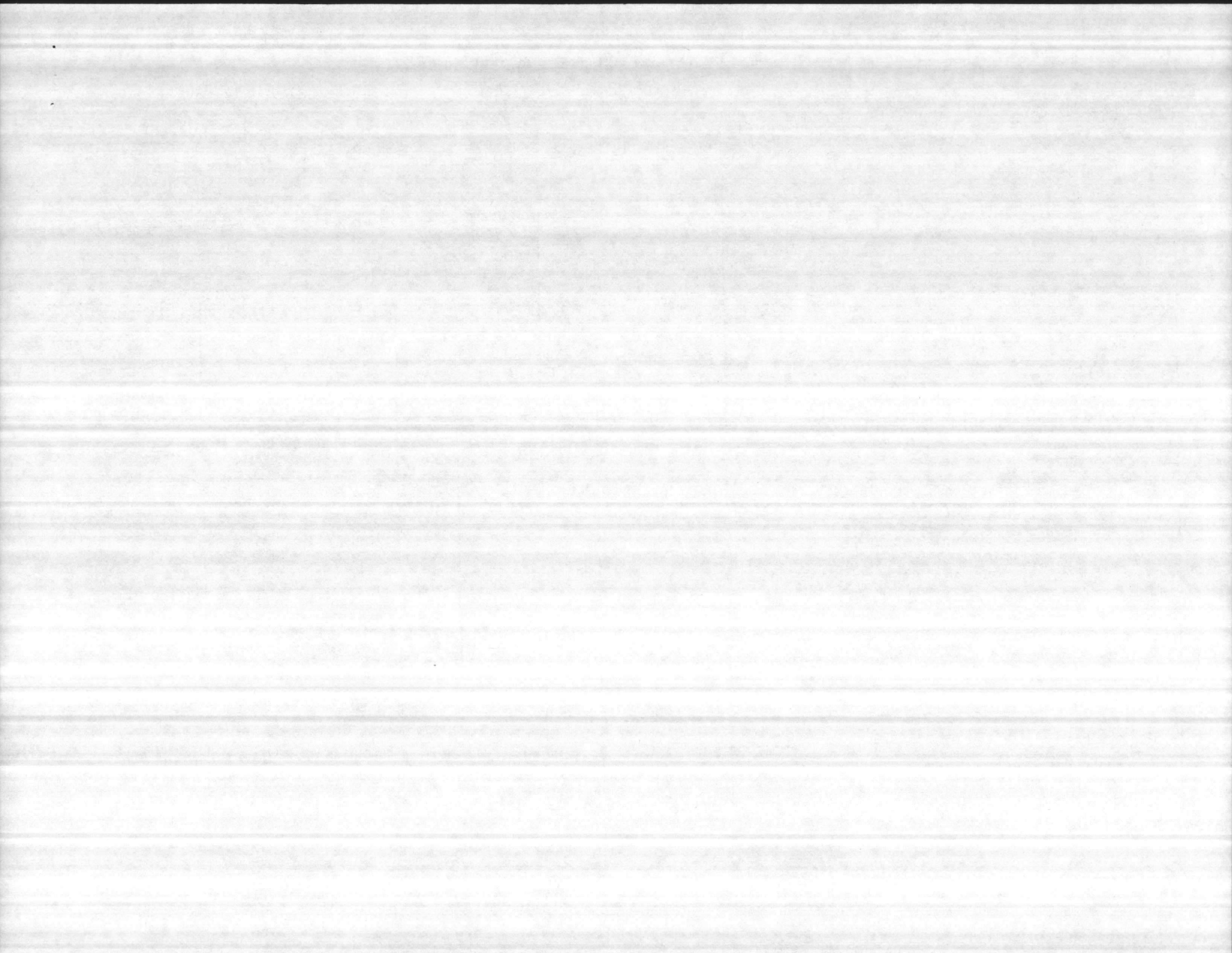
FUNDS AVAIL . \_\_\_\_\_

PROJECT Public Works Bldg., Helipad, & Landscaping

LOCATION Camp Lejeune, NC

PRELIM.  FINAL

ELECTRICAL ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
<u>TYPE 2 POWER MANHOLE-CAST IN PLACE</u>	<u>1</u>	<u>EA.</u>	<u>1178</u>	<u>1178</u>	<u>963</u>	<u>963</u>	<u>2141</u>	
<u>3 P-200A MECH. HELD CONTACTOR</u>	<u>1</u>	<u>EA.</u>	<u>825</u>	<u>825</u>	<u>110</u>	<u>110</u>	<u>935</u>	
<u>NO 12 SHIELDED WIRE, 1 PR.</u>	<u>2300</u>	<u>L.F.</u>	<u>.12</u>	<u>276</u>	<u>.15</u>	<u>345</u>	<u>621</u>	
<u>PEC-4 PHOTO CELL &amp; CONTACTOR</u>	<u>1</u>	<u>EA.</u>	<u>155</u>	<u>155</u>	<u>53</u>	<u>53</u>	<u>208</u>	
				<u>2434</u>		<u>1471</u>	<u>3905</u>	



MATERIAL & LABOR COST ESTIMATE

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LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

NORFOLK, VIRGINIA

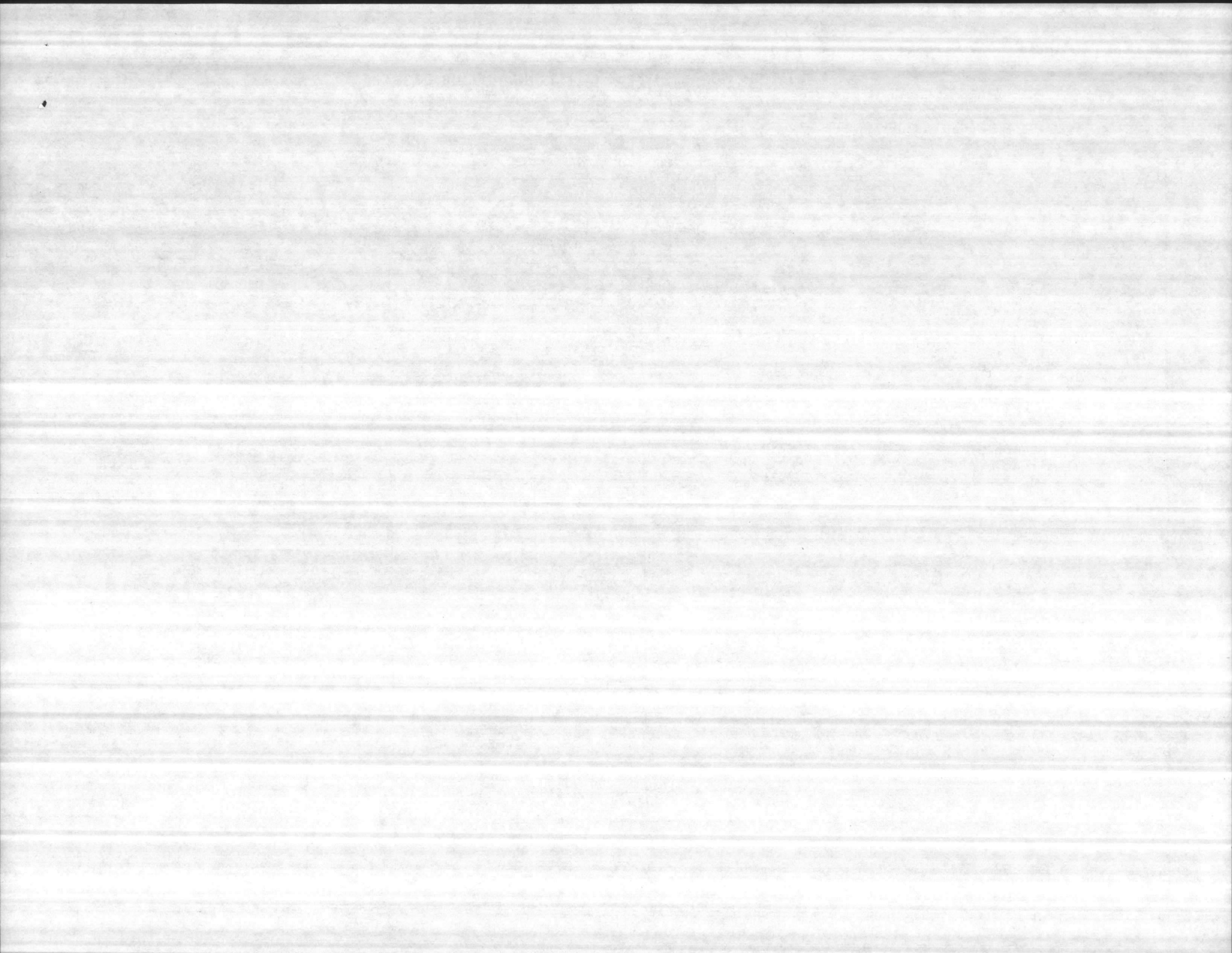
SHEET 59 of 73

Const. Contr. No. N62470-81-B-1766

DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
1432 Sanitary Sewer								
SAAAA 4" VCP, ES	280	LF	123	\$344	55	154	\$498	CACE Modified
SAAAB 6" VCP, ES	125	LF	171	214	61	76	290	for CLNC + 5/8
SADDA Connect new to exist.	1	EA	649	6	84-	84	90	"
SADDC Clean out, 4"	4	EA	231-	924	42-	168	1,092	"
BFFAP Trench, backfill, compact	221	CY	--	--	2-	442	442	"
- Trench box rental	5	DAY	--	--	30-	150	150	LG/SA
Subtotal 1432				1488		1,074	2,562	280 LF
Tax on material (4%)				60		-	60	+ 125
Tax & ins. on labor (18%)				-		193	193	405 LF
Subtotal							2,815	
Overhead (8%)							225	
Subtotal							3,040	
Profit (6%)							182	
Subtotal							3,222	
Bond (0.75%)							24	
Subtotal							3,246	
Escal. (5.1%) to 1/83							166	
Total 1432							\$3,412	\$3,400





MATERIAL & LABOR COST ESTIMATE

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ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

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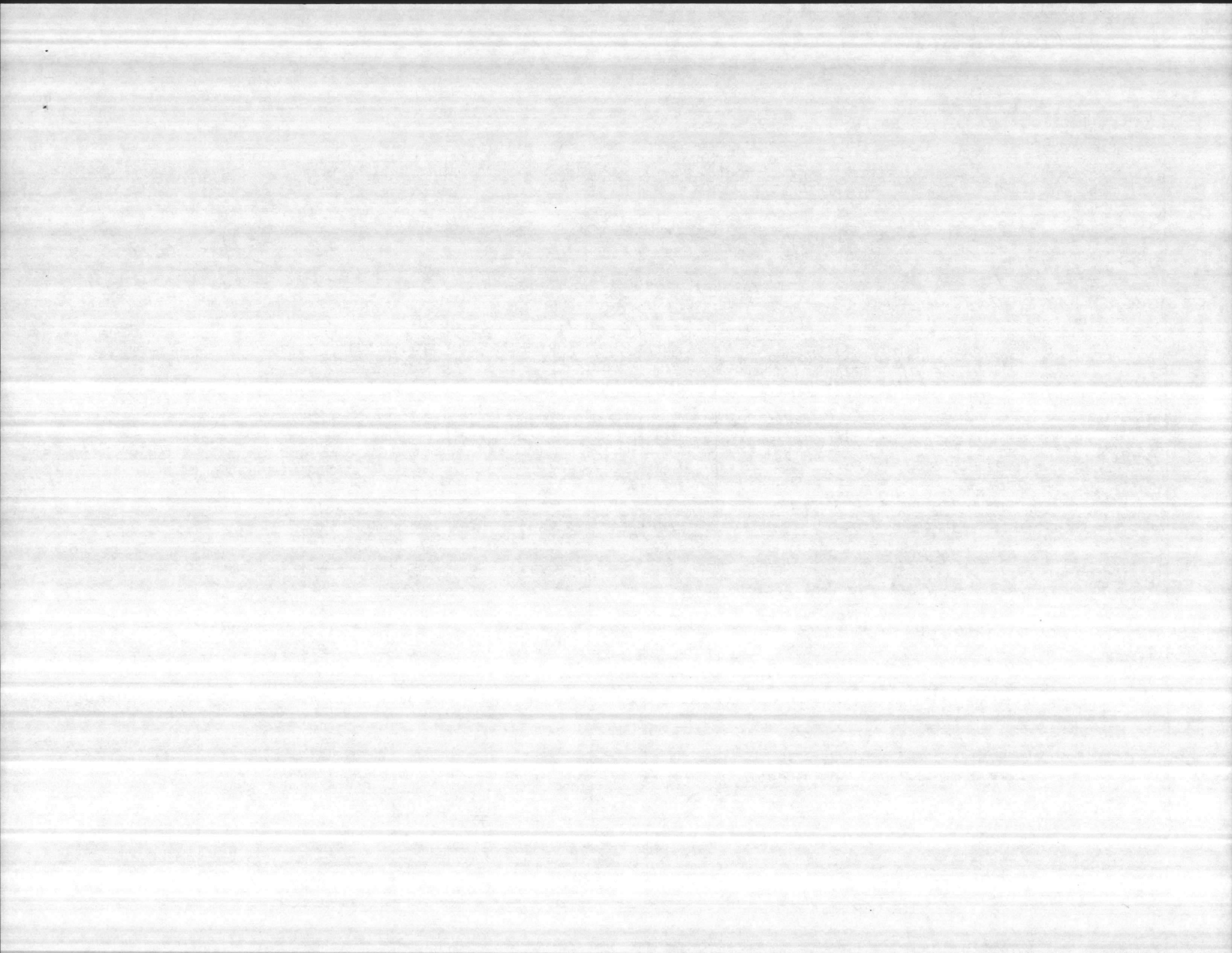
FUNDS AVAIL. \_\_\_\_\_

NORFOLK, VIRGINIA

DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
1441 Water Distribution	-	-	-	-	-	-	-	
- Adaptor, 6", Asb.cem./c.I.	1	EA	72-	72	22-	22	\$ 94	LG/SA sim. RTK
RTFDC 6" tee, c.I.	1	EA	102-	102	21-	21	123	CAGE, modified
RTHBA 6" gate valve, c.I. with post indicator	-	-	-	-	-	-	-	for CLNC + 5/8
QHLF 3" reducing tee, copper	1	EA	548-	548	84-	84	632	"
RAHAB 2" gate valve, bronze	2	EA	1022	10	935	9	19	"
QHLF 2" reducing tee, Copper	2	EA	2975	60	950	19	79	"
- 1 1/2" displace. water meter	2	EA	350	7	619	12	19	"
RTHCA Valve (meter box), 3'	1	EA	175-	175	1925	19	194	MEANS, 1982
QHLH 3" 90° ell, copper	2	EA	3243	65	1260	25	90	CAGE, modified
QIL2D 3" K copper pipe	1	EA	678	7	673	7	14	"
QIJ2D 2" K copper pipe	10	LF	545	55	62	6	61	"
QIIZD 1 1/2" K copper pipe	30	LF	262	79	19	6	85	"
RTBBC 6" ductile iron pipe	2	LF	173	3	18	1	4	"
RTHDE Conc. thrust blk., 1/2 cy	50	LF	731	366	115	56	422	"
BFFAP Trench, backfill, compact	1	EA	49-	49	12-	12	61	"
Post hydrant	26	CY	-	-	2-	52	52	"
	1	EA	125-	125	35-	35	160	Hyd., Murock
				1,723		386	\$ 2,109	
See next sheet for continuation								



**MATERIAL & LABOR COST ESTIMATE**

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FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

NORFOLK, VIRGINIA

SHEET 61 of 73

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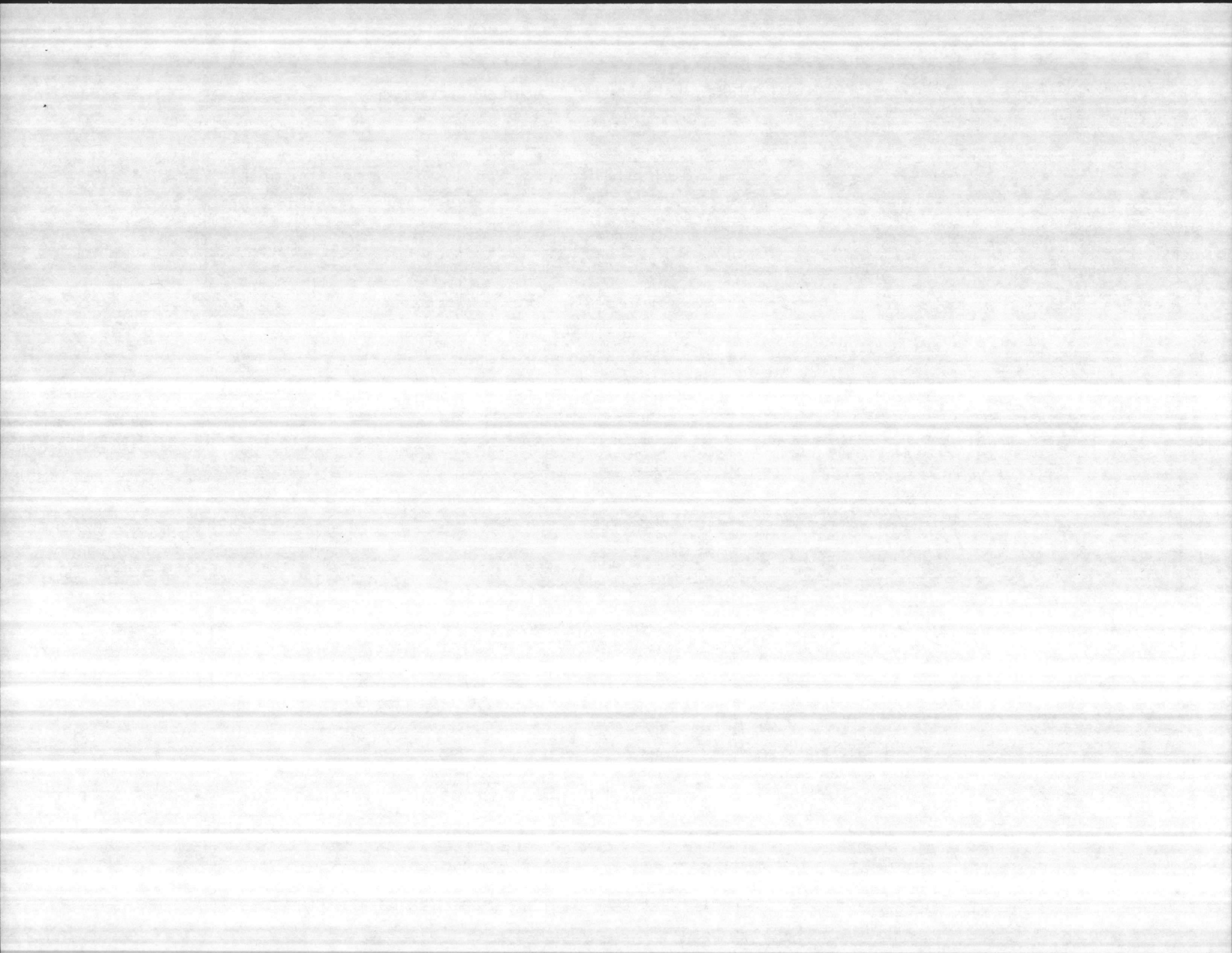
DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping

LOCATION Camp Lejeune, NC

PRELIM.  FINAL

ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
1441 cont'd								
Subtotal 1441				1,723		386	\$ 2,109	10 LF
Tax on material (4%)				69		--	69	30
Tax & ins. on labor (18%)				--		69	69	2
Subtotal							2,247	50
Overhead (8%)							180	<u>92 LF</u>
Subtotal							2,427	
Profit (6%)							146	
Subtotal							2,573	
Bond (0.75%)							19	
Subtotal							2,592	
Escal. (5.1%)							132	
Total 1441							<u>\$2,724</u>	<u>\$2,700</u>



MATERIAL & LABOR COST ESTIMATE

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LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

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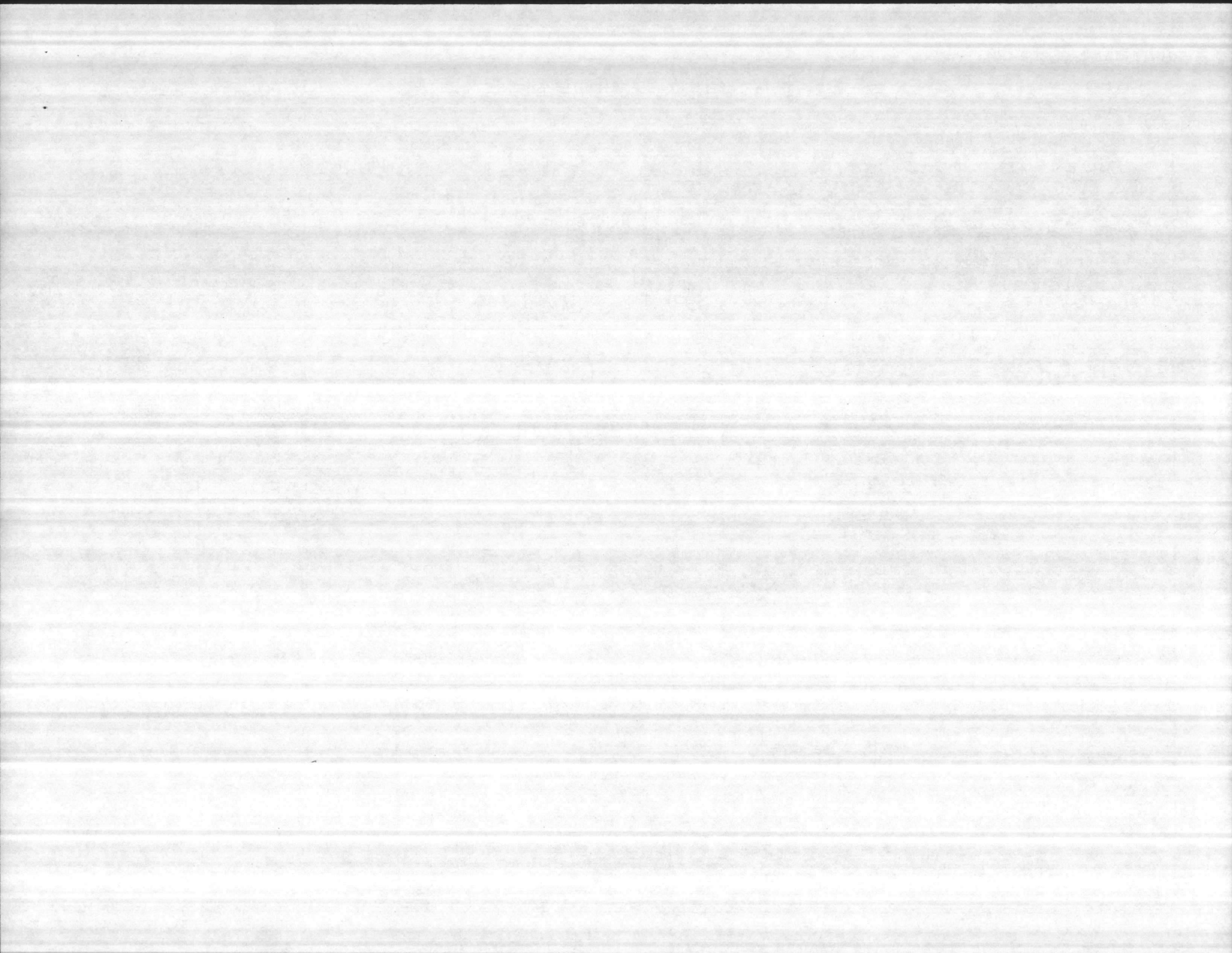
Const. Contr. No. N62470-81-B-1766

FUNDS AVAIL. \_\_\_\_\_

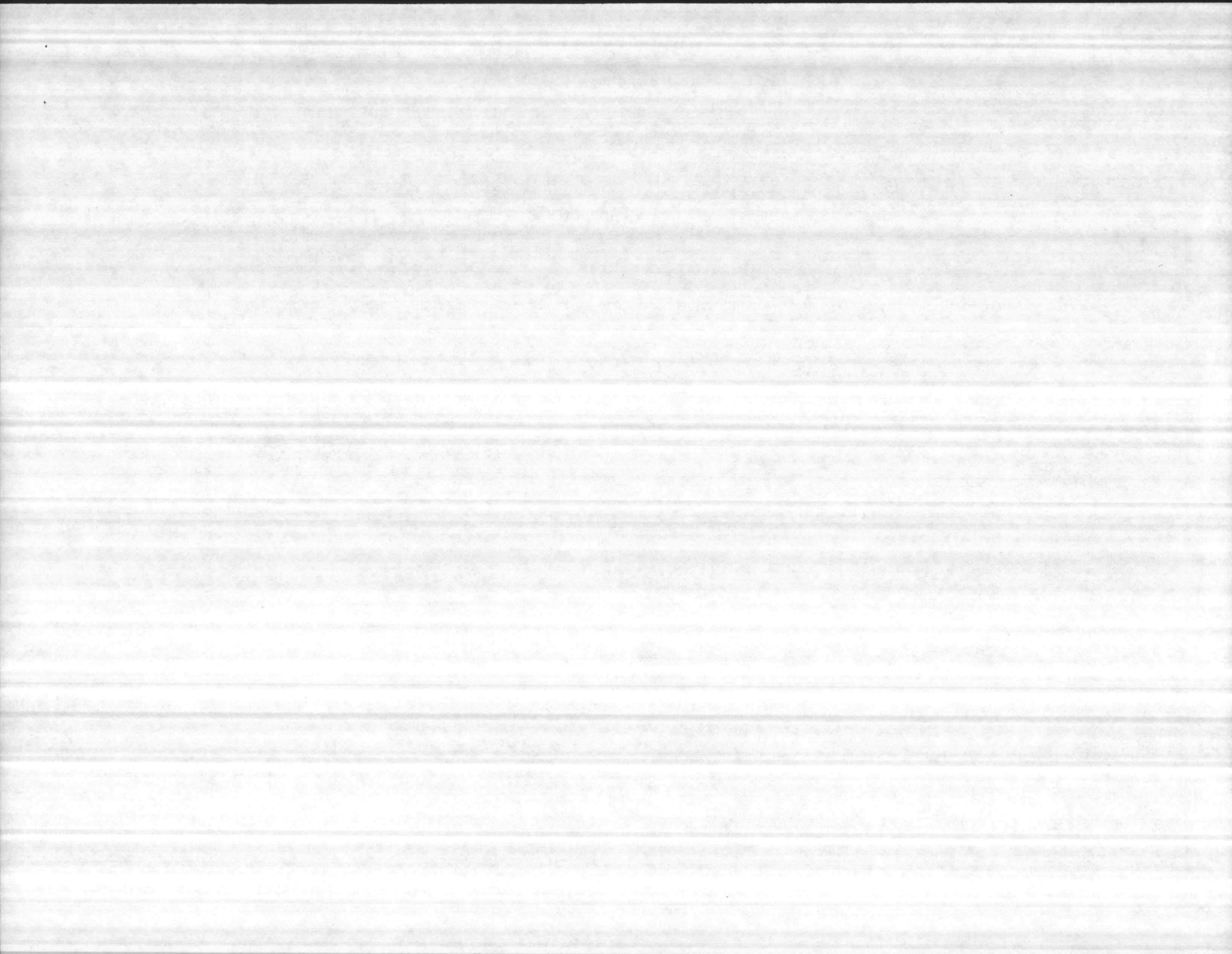
NORFOLK, VIRGINIA

DATE 14 May 82

PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>		LOCATION <u>Camp Lejeune, NC</u>				<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL		REMARKS	
<u>1470</u>	ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	
				UNIT	TOTAL	UNIT	TOTAL		
	<i>Site Fix Alarm &amp; Communications, Barnway site</i>								
	<i>Material and Labor</i>				<i>3678</i>		<i>2800</i>	<i>6478</i>	
	<i>Sales Tax</i>	<i>4%</i>			<i>147</i>		<i>-</i>	<i>147</i>	
	<i>Payroll Tax and insurance</i>	<i>18%</i>			<i>-</i>		<i>504</i>	<i>504</i>	
					<i>3825</i>		<i>3304</i>	<i>7129</i>	
	<i>Overhead - sub-contractor</i>	<i>12%</i>						<i>855</i>	
								<i>7984</i>	
	<i>Profit - sub contractor</i>	<i>8%</i>						<i>638</i>	
								<i>8622</i>	
	<i>Prime cont. overhead</i>	<i>5%</i>						<i>331</i>	
								<i>9053</i>	
	<i>Prime cont. Profit</i>	<i>5%</i>						<i>453</i>	
								<i>9506</i>	
	<i>Bond</i>	<i>0.75%</i>						<i>71</i>	
								<i>9577</i>	
	<i>Escalation to Jan. 1983</i>	<i>5.1%</i>						<i>488</i>	
	<i>Total</i>							<i>10,065</i>	<i>10,100</i>



PROJECT <u>Public Works Bldg., Helipad, &amp; Landscaping</u>		LOCATION <u>Camp Lejeune, NC</u>					<input type="checkbox"/> PRELIM. <input checked="" type="checkbox"/> FINAL	
ELECTRICAL <u>Items</u>	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
<u>Public Works Bldg. &amp; Helipad</u>								
<u>Exterior Communications Tel.</u>								
<u>T.V. &amp; Security</u>								
<u>3-Way duct bank 2" GRS</u>	<u>110'</u>	<u>L.F.</u>	<u>7.76</u>	<u>854</u>	<u>4.18</u>	<u>460</u>	<u>1314</u>	
<u>Conduc cable, 412 al.</u>	<u>1600</u>	<u>L.F.</u>	<u>.28</u>	<u>448</u>	<u>.16</u>	<u>256</u>	<u>704</u>	
<u>25 pr. cable tap in manhole</u>	<u>1</u>	<u>ea.</u>	<u>75</u>	<u>75</u>	<u>103</u>	<u>103</u>	<u>178</u>	
<u>1/2" cable 25 pr. PE 39</u>	<u>110</u>	<u>L.F.</u>	<u>.37</u>	<u>43</u>	<u>.50</u>	<u>55</u>	<u>98</u>	
<u>Security control wire No. 16 shielded</u>	<u>800</u>	<u>L.F.</u>	<u>.67</u>	<u>536</u>	<u>.44</u>	<u>352</u>	<u>888</u>	
<u>Camera wires " " " "</u>	<u>800</u>	<u>L.F.</u>	<u>.67</u>	<u>536</u>	<u>.44</u>	<u>352</u>	<u>888</u>	
<u>Sub-Total</u>				<u>2492</u>		<u>1576</u>	<u>4070</u>	
<u>Helipad</u>								
<u>Type 2 signal manhole cast-iron</u>	<u>1</u>	<u>ea.</u>	<u>977</u>	<u>977</u>	<u>898</u>	<u>898</u>	<u>1875</u>	
<u>6 pr. Telephone cable</u>	<u>600</u>	<u>ft.</u>	<u>.25</u>	<u>150</u>	<u>.40</u>	<u>240</u>	<u>390</u>	
<u>6 pr. cable manhole connection</u>	<u>1</u>	<u>ea.</u>		<u>30</u>		<u>50</u>	<u>80</u>	
<u>Nema 3-R Tel. Enclosure</u>	<u>1</u>	<u>ea.</u>		<u>29</u>		<u>34</u>	<u>63</u>	
<u>Sub-Total</u>				<u>1186</u>		<u>1222</u>	<u>2408</u>	
<u>Page Total</u>				<u>3678</u>		<u>2800</u>	<u>6478</u>	





MATERIAL & LABOR COST ESTIMATE

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LANTDIV NORVA 4-11012/5 (REV. 12/80)

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SHEET 64 of 73

Const. Contr. No. N62470-81-B-1766

FUNDS AVAIL. \_\_\_\_\_

NORFOLK, VIRGINIA

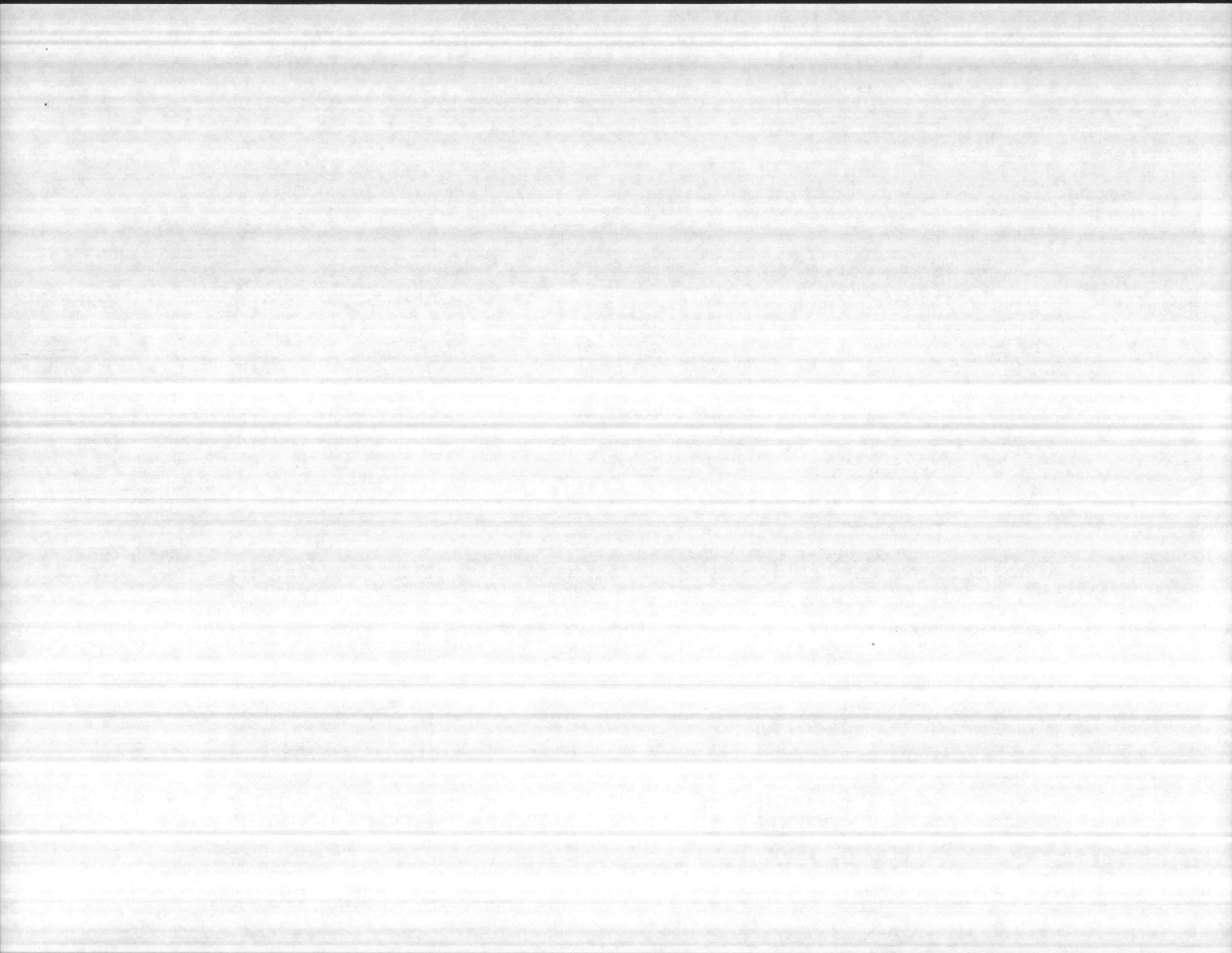
DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping

LOCATION Camp Lejeune, NC

PRELIM.  FINAL

ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
<b>1451 Roads</b>								
BDEA Remove curb & gutter	100	LF	--	--	61	\$ 61	\$ 61	CACE modified to CONC + 5/82
CMBE Curb & gutter, conc., 24"	12	LF	401	48	183	22	70	
BFHAD Subgrade preparation	1,483	SY	--	--	15	222	222	"
CIAH Stone base course, 6"	1,483	SY	235	3,485	67	994	4,479	"
CJAE Bitum. prime coat	1,350	SY	30	405	06	81	486	"
CJBE Asph. wearing course, 2"	1,350	SY	183	2,471	46	621	3,092	"
CMAA Paint lines, 4"	300	LF	06	18	03	9	27	"
CJAA Bitum. tack coat	3	GAL	87	3	17	1	4	"
				6,430		2,011	8,441	
Subtotal 1451				6,430		2,011	8,441	1350 SY
Tax on material (4%)				257		--	257	
Tax & ins. on labor (18%)				--		362	362	
Subtotal							9,060	
Overhead (8%)							725	
Subtotal							9,785	
Profit (6%)							587	
Subtotal							10,372	
Bond (0.75%)							78	
Subtotal							10,350	
Escal. (5.1%) to 1/83							528	
Total 1451							10,878	\$10,900



MATERIAL & LABOR COST ESTIMATE

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FUNDS AVAIL. \_\_\_\_\_

NORFOLK, VIRGINIA

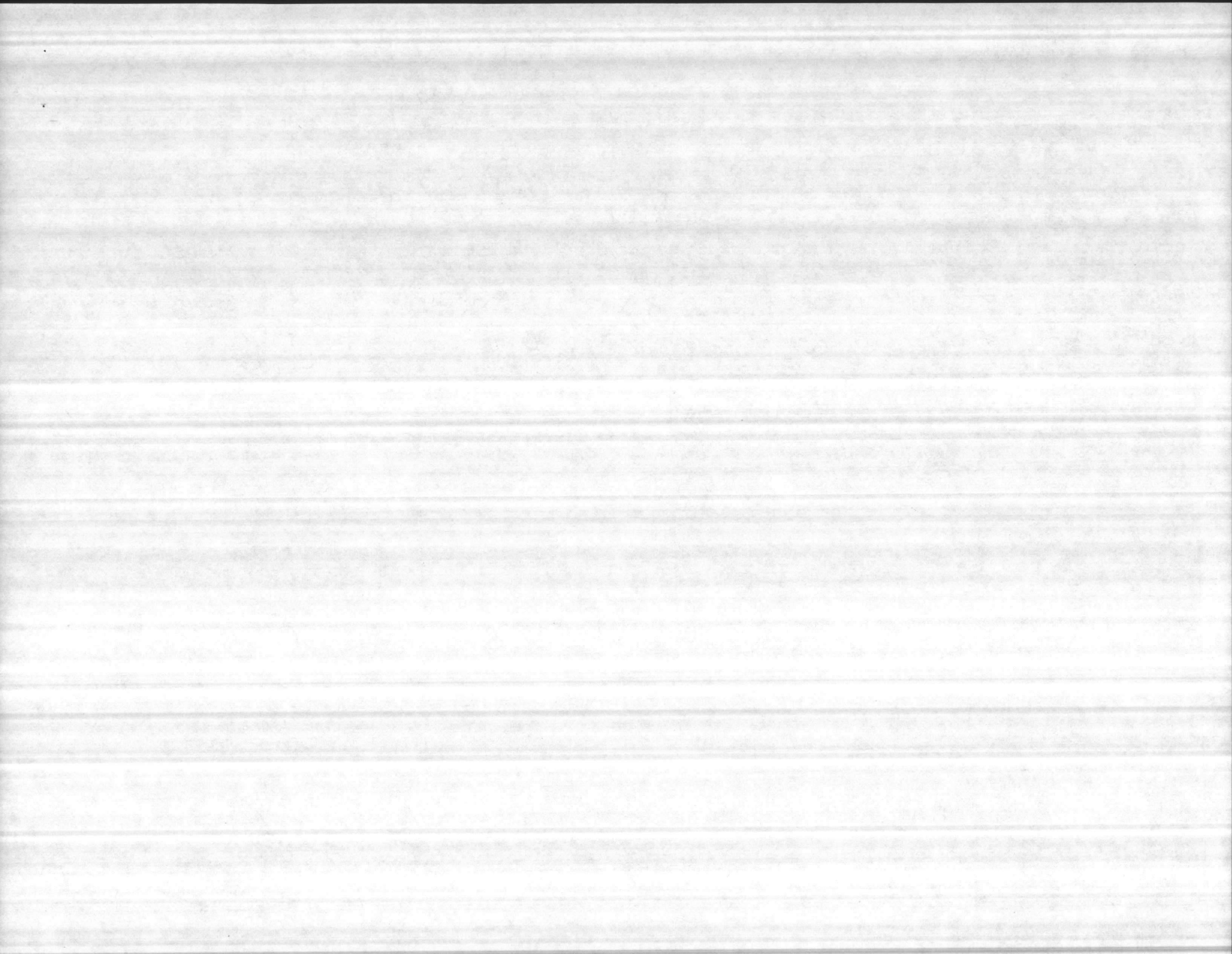
DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping

LOCATION Camp Lejeune, NC

PRELIM.  FINAL

ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
1452 Parking								
BFHAA Excavation + disposal, 1/4 mi.	62	CY	--	--	57	\$ 35	\$ 35	CACE modified
BFHAD Subgrade preparation	5,529	SY	--	--	15	829	829	for CNC + 5/82
CIAH Stone base course, 6"	5,555	SY	<del>235</del>	13,054	67	3,722	16,776	"
CJAE Bitum. prime coat	5,529	SY	32	1,659	06	332	1,991	"
CJBE Asph. wearing course, 2"	5,529	SY	183	10,118	46	2,543	12,661	"
CIAF Stone base course, 4"	4	SY	156	6	67	3	9	"
CKAA Steel edge forms	385	LF	34	131	16	62	193	"
CKEA Conc. pvt. , 3,000 psi. (204 SY)	32	CY	<del>4860</del>	1,558	717	229	1,787	"
CKBA Joint saw and seal	196	LF	64	125	19	37	162	"
CMAA Paint lines, 4"	1,410	LF	06	85	33	42	127	"
CMAE Paint lines	15	SF	18	3	10	2	5	"
CMBE Curb & gutter, conc. 24"	1,340	LF	401	5,373	183	2,452	7,825	"
Subtotal 1452				32,112		10,288	\$42,400	5,529 SY
Tax on material (4%)				1,284		--	1,284	+ 204
Tax & ins on labor (18%)				--		1,852	1,852	<u>5,733 SY</u>
Subtotal							45,536	
Overhead (8%)							3,643	
Subtotal							49,179	
Profit (6%)							2,951	
Subtotal							52,130	
Bond (0.75%)							391	
Subtotal							52,521	
Escal. (5.1%) to 1/83							2,679	
Total 1432							\$ 55,200	\$ 55,200



MATERIAL & LABOR COST ESTIMATE

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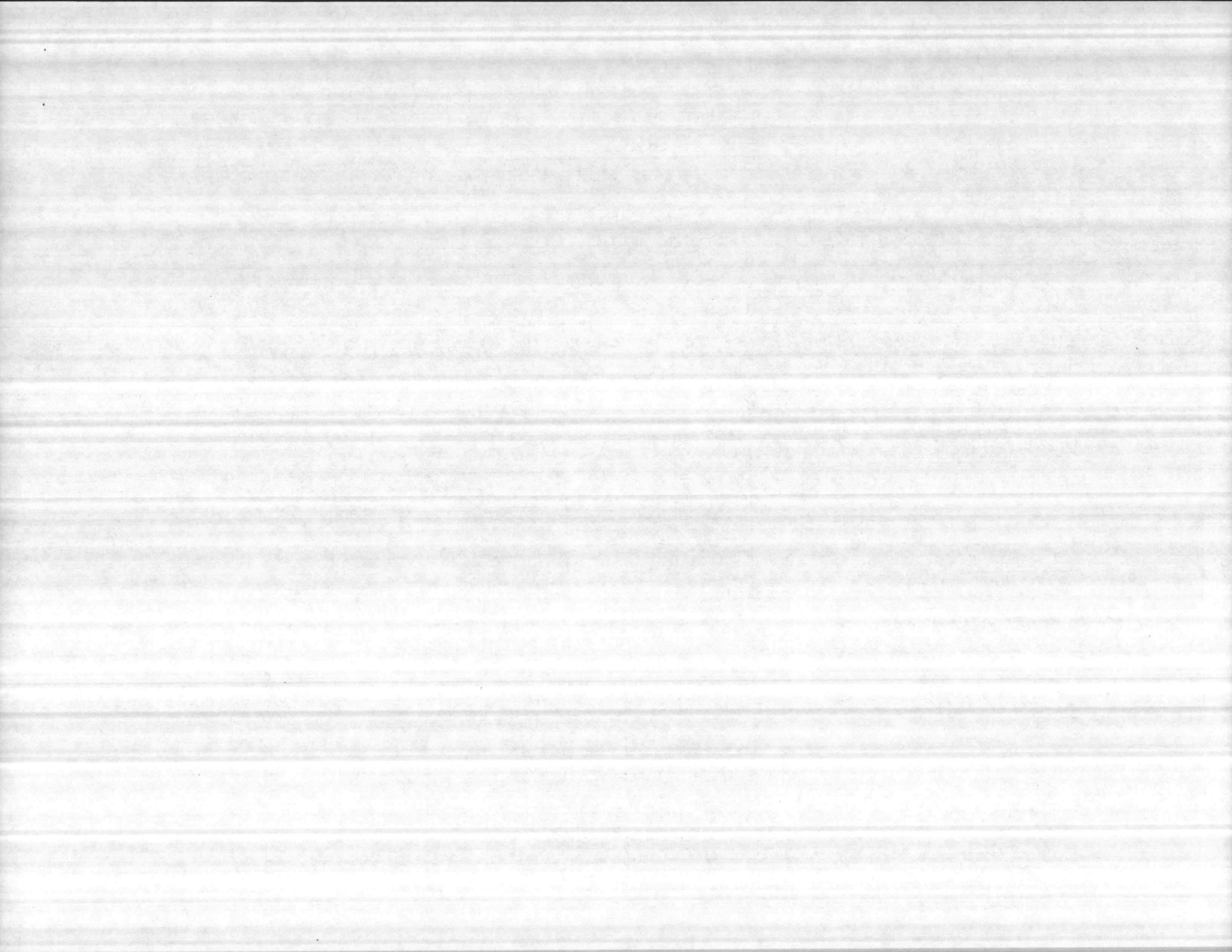
FUNDS AVAIL. \_\_\_\_\_

NORFOLK, VIRGINIA

DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
1453 Sidewalks								
BFGFB Excavation & backfill	62	CY	--	--	115	\$71	\$71	CAGE modified
BFFNB Compact subgrade, vibr.	207	SY	--	--	41	85	85	for CLNC & 5/82
CMCA Conc. sidewalk 4"	72	SY	575	414	248	179	593	
CIAF Stone aggr. base, 4"	138	SY	150	215	45	62	277	
CKEA Conc. pvt. , 3000 psi *	55	CY	4808	2,677	717	394	3,071	
EGFO Mesh, 6x6, 1.4x1.4	13	SQ	575	75	558	73	148	
EPKD Broom finish slab	1,215	SF	--	--	12	146	146	
ERIP Cure slab w/ paper	1,215	SF	02	24	02	24	48	
BFJAA Disposal, 2 mi rit.	30	CY	--	--	24	7	7	
BFFNA Compact backfill, hand	32	CY	--	--	93	30	30	
				3,405		1,071	4,476	
Subtotal 1453				\$3,405		\$1,071	\$4,476	72 SY
Tax on material (4%)				136		--	136	* 453
Tax & ins. on labor (18%)				--		193	193	525 SY
Subtotal							4,805	
Overhead (8%)							384	
Subtotal							5,189	
Profit (6%)							311	
Subtotal							5,500	
Bond (0.75%)							41	
Subtotal							5,541	
Escal. (5.1%) to 1/83							283	
Total 1432							5,824	\$5,900



MATERIAL & LABOR COST ESTIMATE

LANTDIV NORVA 4-11012/5 (REV. 12/80)

SHEET 67 of 73

PREPARED BY Lock.Gr./Six Assoc.

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

Const. Contr. No. N62470-81-B-1766

FUNDS AVAIL. \_\_\_\_\_

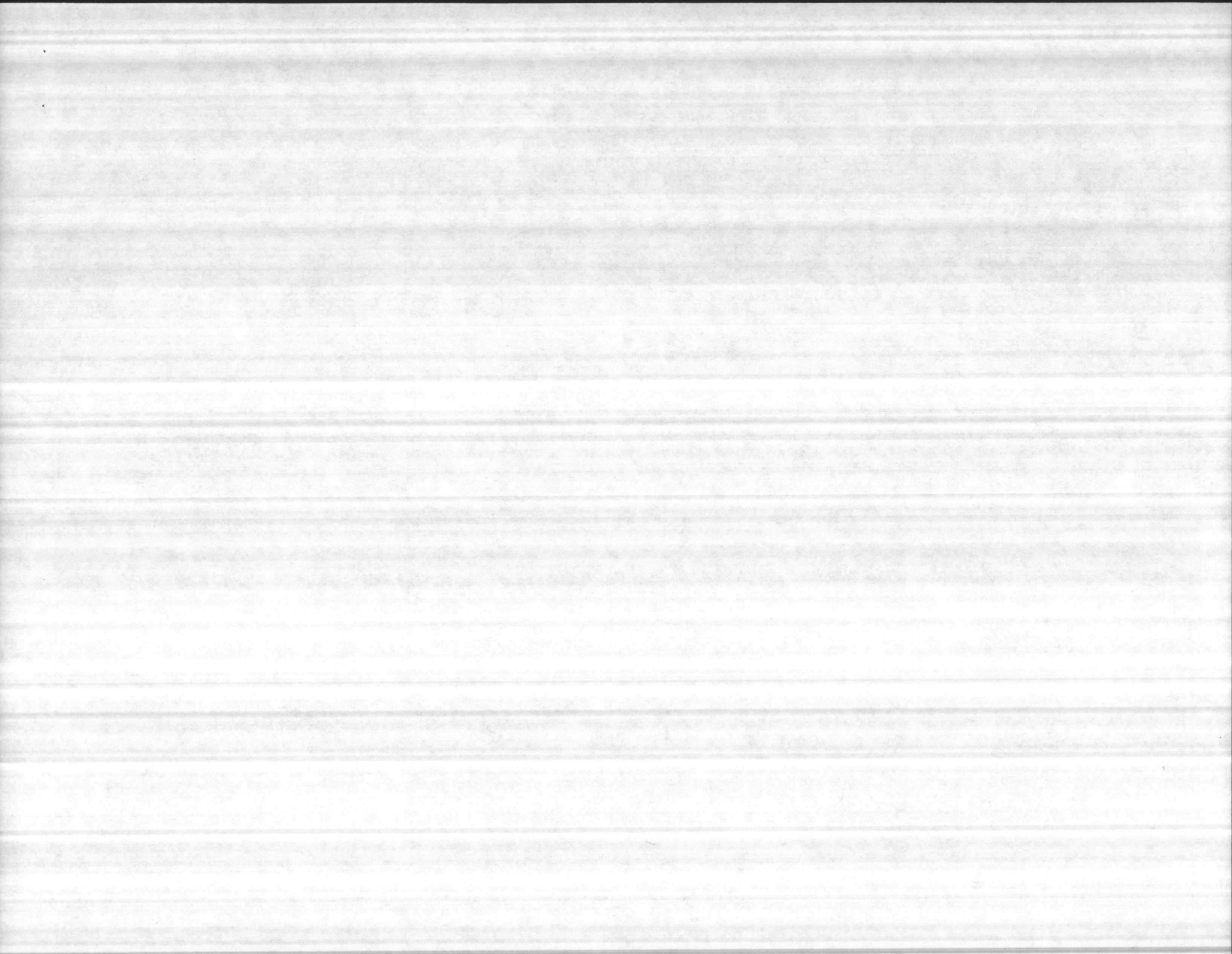
NORFOLK, VIRGINIA

DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
1461 Storm Sewer								
BFFAQ Excavation	112	CY	--	--	150	\$ 168	\$ 168	CACE modified
BFFNA Backfill & compact	62	CY	--	--	93	58	58	for CLNG & 5/82
BFJAF Disposal, 10 mi. r.t.	50	CY	--	--	50	25	25	"
BDDK Remove manhole	1	EA	--	--	84.61	85	85	"
BDEC Remove pipe ≥ 12"	30	LF	--	--	1.66	50	50	"
CFUBZ Curb inlet, 7' throat	1	EA	774	774	311	311	1,085	"
-- Oil water separator	--	--	--	--	--	--	--	--
EBYRA • Formwork	1,260	SF	137	1,726	1.66	2,092	3,818	CACE modified
-- • Reinforced concrete impl.	18	CY	96	1,728	61	1,098	2,826	Means, 1982, mod.
-- • Railing, 2 pipes, welded	51	LF	16.40	836	1.97	100	936	" "
RTHBSZ • Shear gate w/ handle	1	EA	419	419	44.24	44	463	CACE, modified
QHZZ • Fittings, 4" C.I.	8	EA	79.36	635	5.25	42	677	" "
EHTS • Waterstop, 3/8" x 6"	37	LF	3.34	124	.54	20	144	" "
CDBB • Connect existing to new	4	EA	19.66	79	50.48	122	201	" "
CAEB Pipe, RCP, 12", CL III	24	LF	6.52	156	1.04	25	181	"
Subtotal				6,477		4,240	\$10,717	

See next sheet for continuation





MATERIAL & LABOR COST ESTIMATE

PREPARED BY Lock.Gr./Six Assoc.

FUNDS AVAIL. \_\_\_\_\_

LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

NORFOLK, VIRGINIA

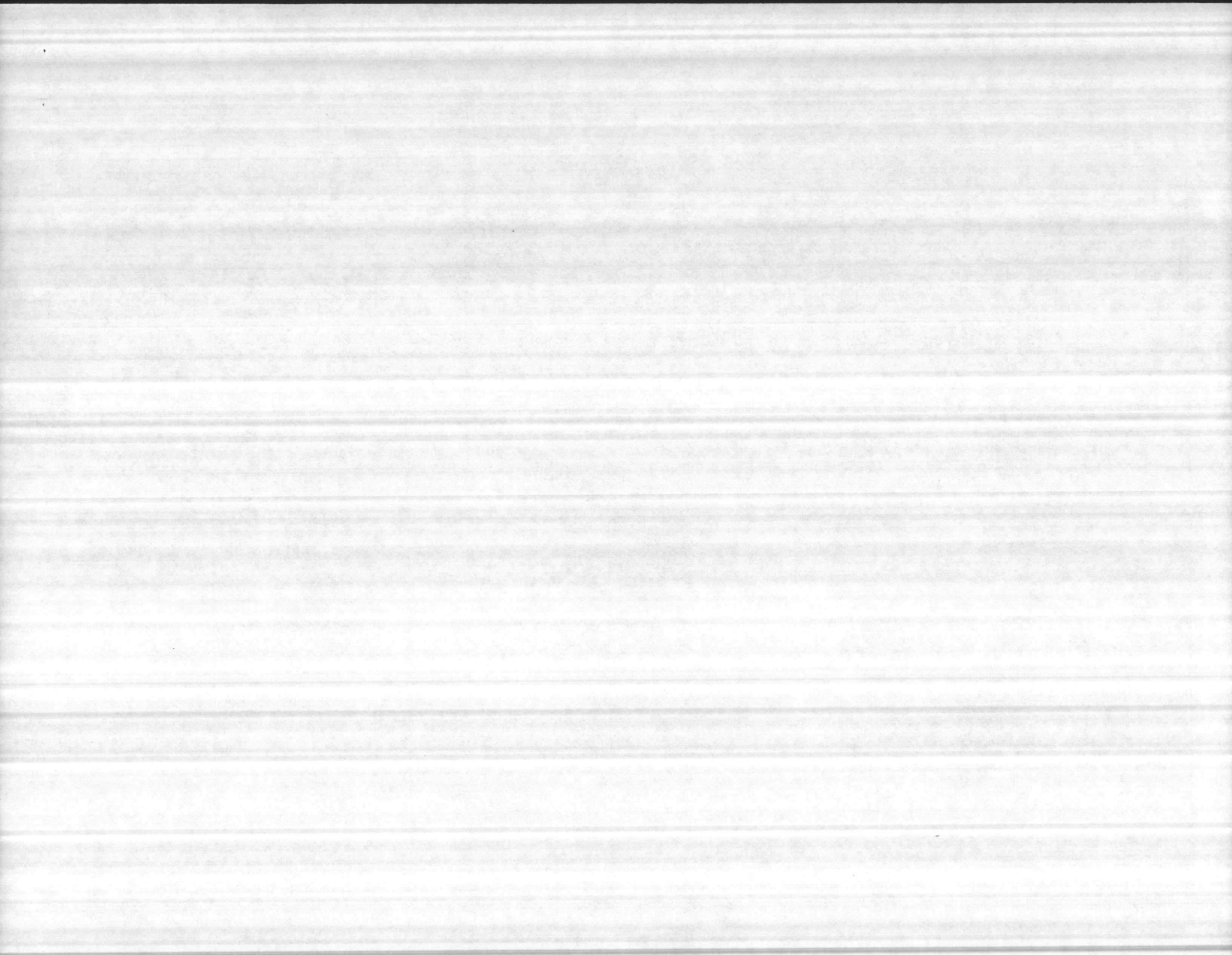
SHEET 68 of 73

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DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
1461 Storm sewer								
Subtotal 1461				\$6,477		\$4,240	\$10,717	24 LF
Tax on material (4%)				259		--	259	
Tax & ins. on labor (8%)				--		763	763	oil/water
Subtotal							11,739	Separator
Overhead (8%)							939	
Subtotal							12,678	
Profit (6%)							761	
Subtotal							13,439	
Bond (0.75%)							101	
Subtotal							13,540	
Escal. (5.1%) to 1/83							691	
Total 1461							\$14,231	\$14,200



MATERIAL & LABOR COST ESTIMATE

LANTDIV NORVA 4-11012/5 (REV. 12/80)

SHEET 69 of 73

PREPARED BY Lock.Gr./Six Assoc.

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

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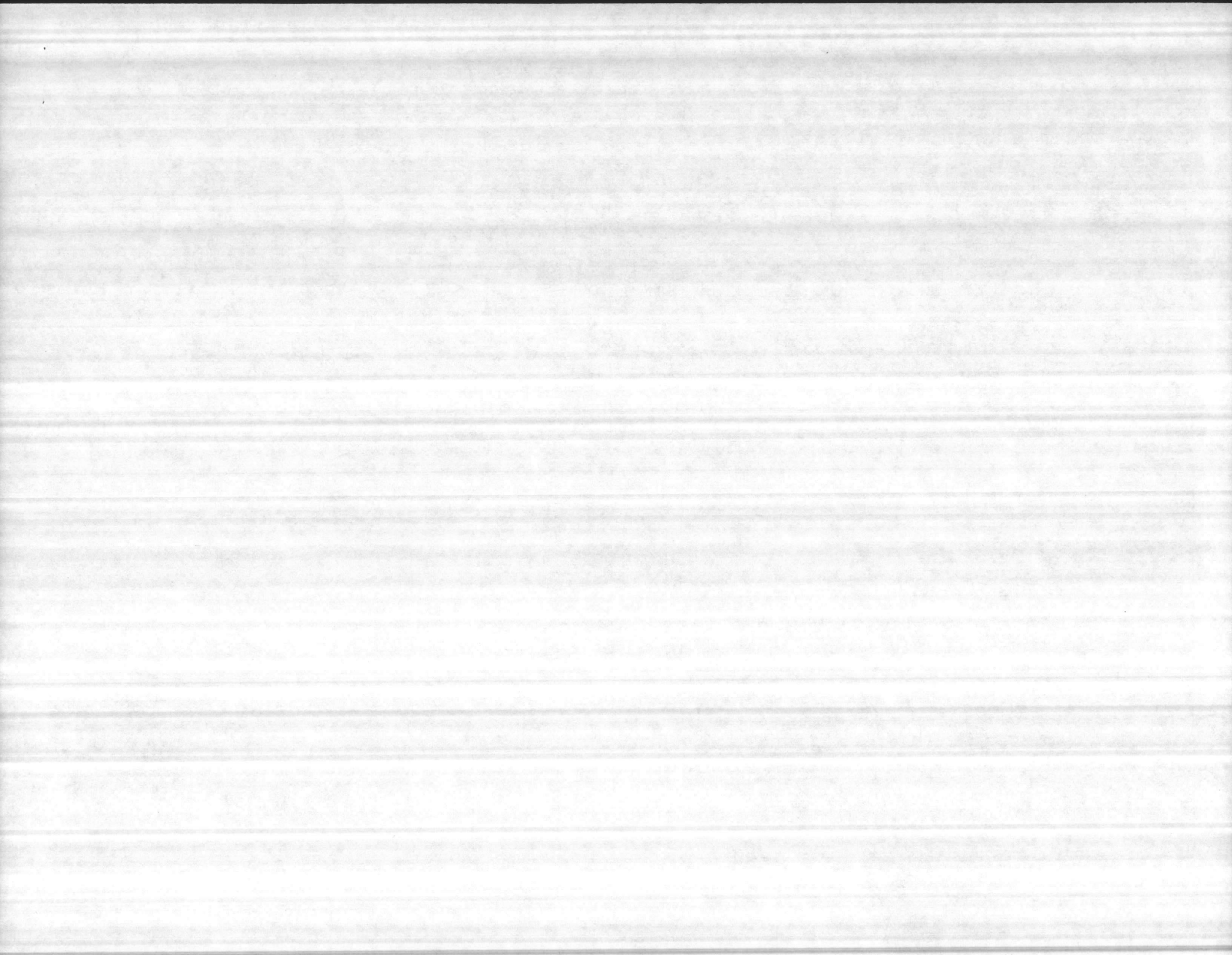
FUNDS AVAIL. \_\_\_\_\_

NORFOLK, VIRGINIA

DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
1483 Grading								
DVLZZ Silt fence	500	LF	154	\$ 770	235	\$ 1,175	\$ 1,945	LG/SA
<del>BBBAZ</del> Clear heavily wooded areas, no grubbing or disposal	--	--	--	--	--	--	--	CACE modified.
	13.8	ACR	--	--	642	8,860	8,860	CACE modified
BFAAK Site grading, balance	183	CY	--	--	121	221	221	to CLNC # 5/82
BFAAM Strip and stockpile	* 626	CY	--	--	104	651	651	"
DWLZY Sediment barrier	5	EA	1875	94	1388	69	163	LG/SA
				864		10,976	11,840	
Subtotal 1483				864		10,976	11,840	* <u>3,756 SY</u>
Tax on material (4%)				35		--	35	
Tax & ins. on labor (18%)				--		2,131	2,131	
Subtotal				899		13,107	14,006	
Overhead (8%)							1,120	
Subtotal							15,126	
Profit (6%)							908	
Subtotal							16,034	
Bond (0.75%)							120	
Subtotal							16,154	
Escal. (5.1%) to 1/83							824	
Total 1483							16,978	<u>\$ 17,000</u>



MATERIAL & LABOR COST ESTIMATE

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LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

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Const. Contr. No. N62470-81-B-1766

FUNDS AVAIL. \_\_\_\_\_

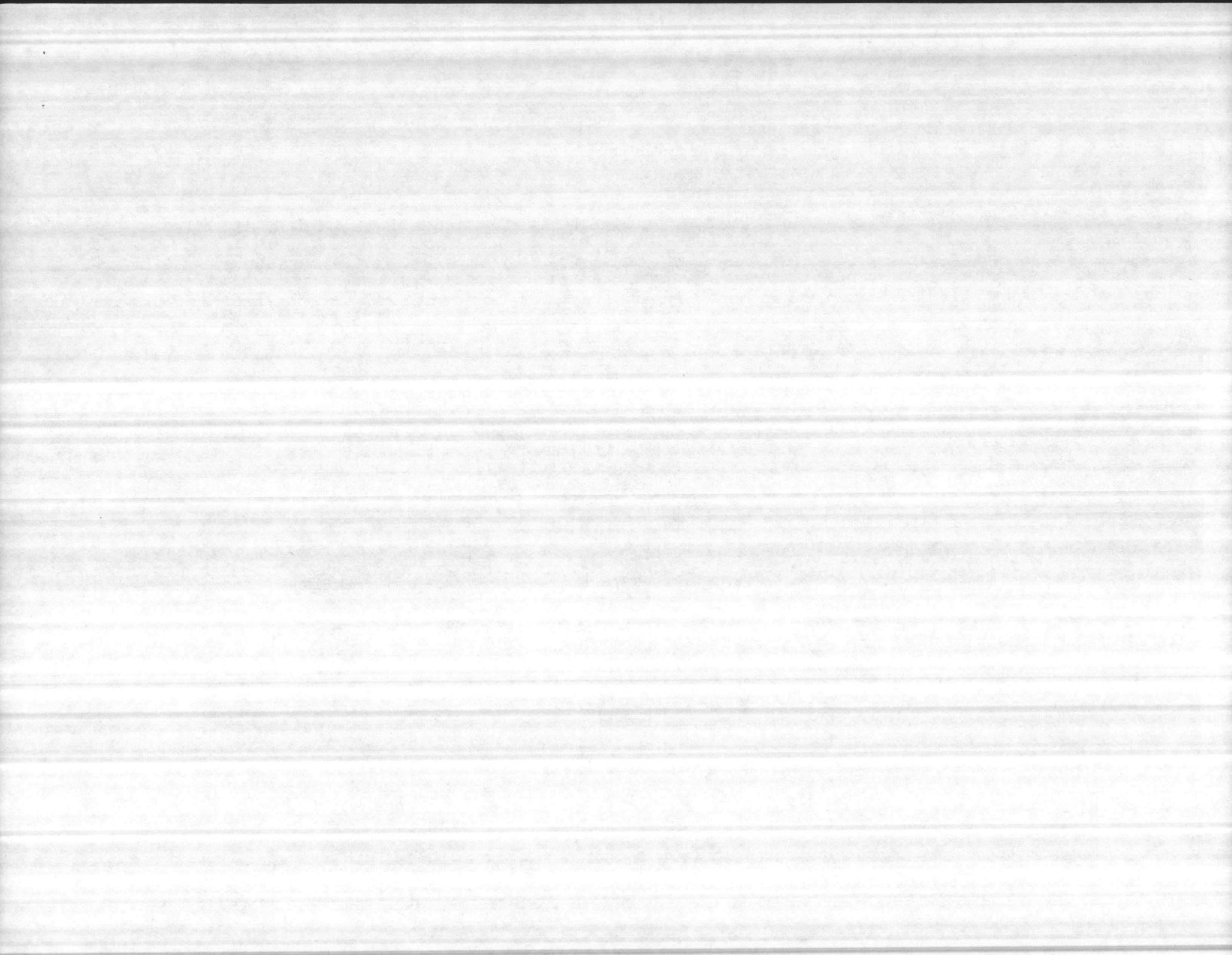
NORFOLK, VIRGINIA

DATE 14 May 82

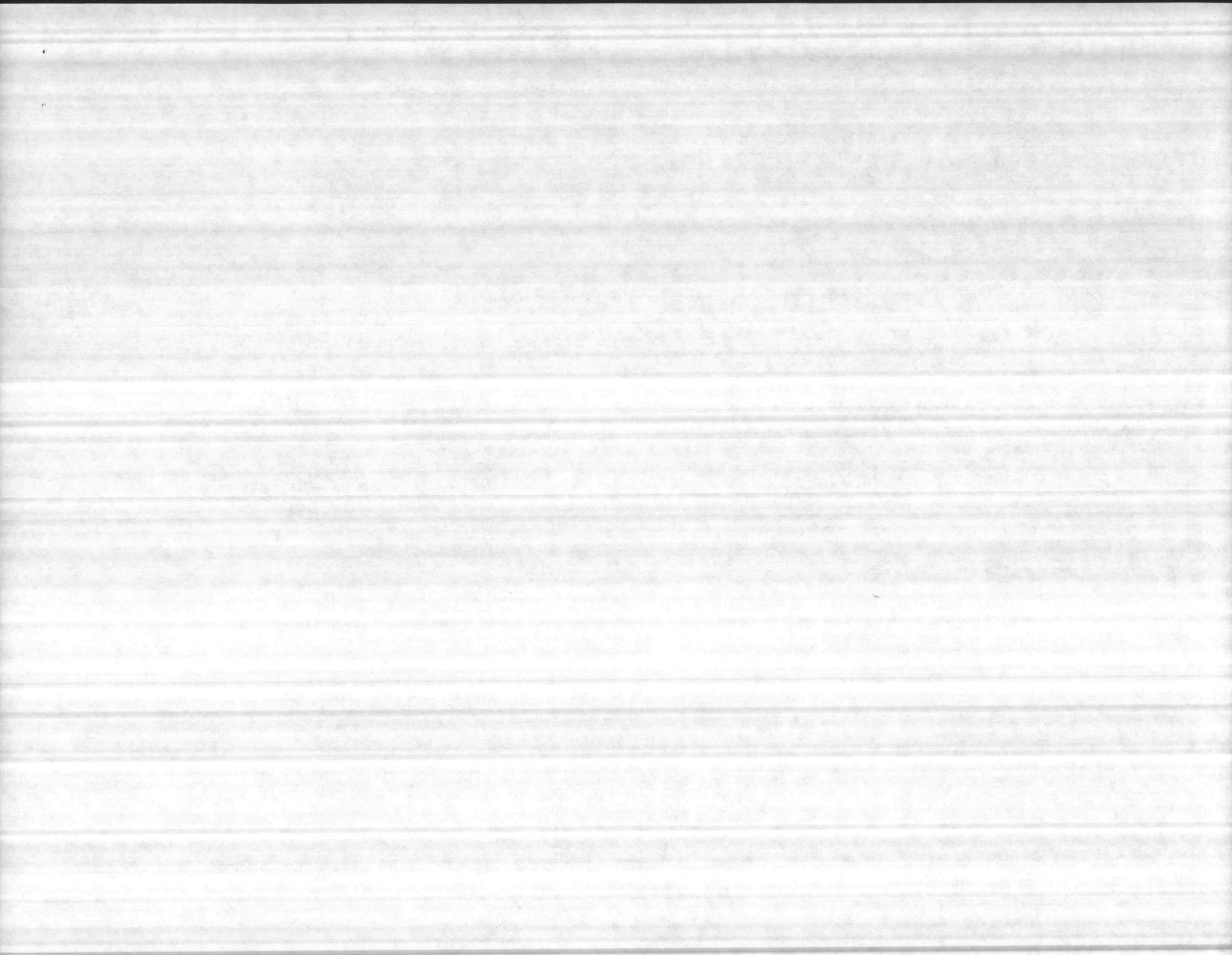
PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
1482 Topsoil, seed, landscape								
DBAA Seed, fert., lime, fine grade	9,680	SY	09	\$ 871	16	\$ 1,549	\$ 2,420	CACE
DBBD Respread topsoil from pile	626	CY	16	100	94	588	688	CACE modified
-- Edging 4x4 p.t. wood	6450	LF	99	6,386	70	4,515	10,901	LG/SA
-- Stakes, steel L, 18"	1,693	EA	144	2,438	56	948	3,386	LG/SA
Cornus florida, 1 3/4-2" cal.	41	EA	54	2,214	43	1,763	3,977	Gilmore
Ilex opaca, 8-10' ht.	38	EA	90	3,420	72	2,736	6,156	Shady Grove
Ilex vomitoria, 8-10' ht.	41	EA	138	5,658	110	4,510	10,168	"
Lagerstroemia indica, 2" clump	66	EA	83	5,478	66	4,356	9,834	"
Acer rubrum, 2 1/2-3" cal.	39	EA	119	4,641	95	3,705	8,346	"
Pyrus calleryana, 2-2 1/2" cal.	12	EA	83	996	66	792	1,788	"
Quercus phellos, 2 1/2-3" cal.	114	EA	83	9,462	66	7,524	16,986	"
Quercus virginiana, 3 1/2-4" cal.	1	EA	250	250	200	200	450	"
Ilex fosteri No. 2, 5-6'	75	EA	53	3,975	42	3,150	7,125	Gilmore
Ilex cornuta Burfordiana, 15-18"	85	EA	1060	901	850	723	1,624	"
Ilex crenata Helleri, 15-18"	10	EA	750	75	6	60	135	Gilbert
Nandina domestica, 2 1/2-3'	24	EA	625	150	5	120	270	W-Lamb
Pittosporum tobira Wlledleyi, 15-18"	48	EA	5	240	4	192	432	Southern
Viburnum suspensum, 3-4'	2	EA	1125	23	9	18	41	"
Jasminum floridum, 2 1/2-3'	140	EA	750	1,050	6	840	1,890	Gilmore
Liriope muscari Sunproof, bibb	1,125	EA	50	563	40	450	1,013	Classic
Juniperus conferta, 15-18"	3,691	EA	5	18,455	4	14,764	33,219	Gilbert
Pyrus calleryana, 3-3 1/2" cal.	4	EA	166	664	133	532	1,196	Shady Grove
Raphiolepis indica rosea, 15-18"	148	EA	940	1,391	750	1,110	2,501	Wildwood
Erosion control matting	211	SY	51	120	14	30	150	Means
Subtotal				69,521		55,175	\$ 124,696	

see next sheet for continuation









MATERIAL & LABOR COST ESTIMATE

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LANTDIV NORVA 4-11012/5 (REV. 12/80)

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND

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Const. Contr. No. N62470-81-B-1766

FUNDS AVAIL. \_\_\_\_\_

NORFOLK, VIRGINIA

DATE 14 May 82

PROJECT Public Works Bldg., Helipad, & Landscaping LOCATION Camp Lejeune, NC  PRELIM.  FINAL

ITEMS	QUANTITY	UNIT	MATERIAL COST		LABOR COST		TOTAL COST	REMARKS
			UNIT	TOTAL	UNIT	TOTAL		
1481 Site Improvements								
BFGFB Excavation & backfill	62	CY	--	--	115	71	71	Terrace area
EBIRA Form footings, plywood, luse	200	SF	129	258	254	508	766	CACE modified to CLNC & 5/82
EFFD Rebar, #3 or #4	0.15	TON	565	85	130	20	105	"
EKIMP Place conc. footings, 3000psi	4.8	CY	4853	233	539	26	259	"
BFFNA Compact backfill, hand	21	CY	--	--	93	20	20	"
BFJAA Disposal, 2mi. r.t.	41	CY	--	--	24	10	10	"
FEJC Brick, face std., 3/8 jt.	11.9	M	128	1,523	215	2,259	3,782	"
FFJJ CMU, 8" hollow	56	SF	99	55	96	54	109	"
-- Tree grate, C.I., 10' φ	4	EA	1,414	5,656	140	560	6,216	Mat'l - Neenal Fndry
-- Supports, press. trt'd 4x4	16	EA	6	96	4	64	160	LG/SA
FCPE Reinf., truss, galv. 12" w.	88	LF	22	19	04	23	42	CACE, modified
				7,925		3,615	11,540	
Subtotal 1481				7,925		3,615	11,540	
Tax on material (4%)				317		--	317	
Tax & ins. on labor (18%)				--		651	651	
Subtotal							12,508	
Overhead (8%)							1,001	
Subtotal							13,509	
Profit (6%)							811	
Subtotal							14,320	
Bond (0.75%)							107	
Subtotal							14,427	
Eschal (5.1%) to 1/83							736	
Total 1481							\$15,163	\$15,200

