FILE FOLDER

DESCRIPTION ON TAB:

	7542/IA M-1 Funding
	FY 1983
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2	Outside/inside of actual folder did contain hand written information
	*Scanned as next image

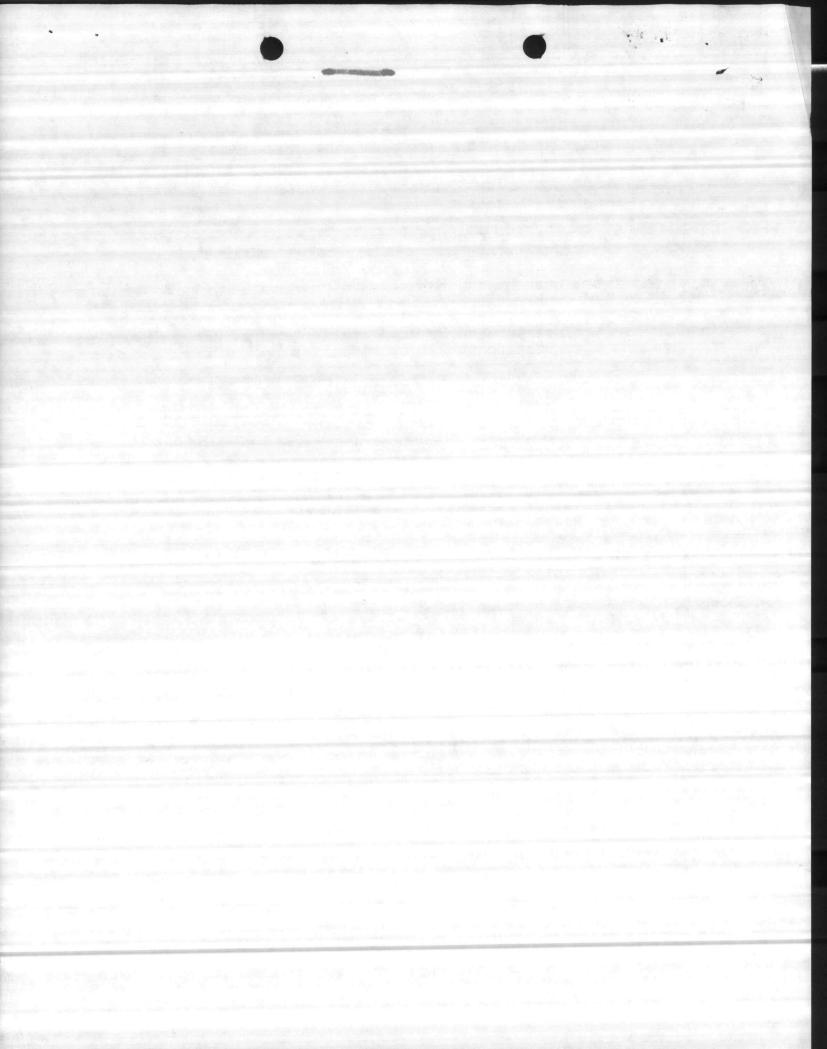
Confidential Records Management, Inc. New Bern, NC 1-888-622-4425 9/08 **OPENED:**

CLOSED:

PERM. SECNAVINST 5212.5D Part II, par 2, SSIC Until superseded

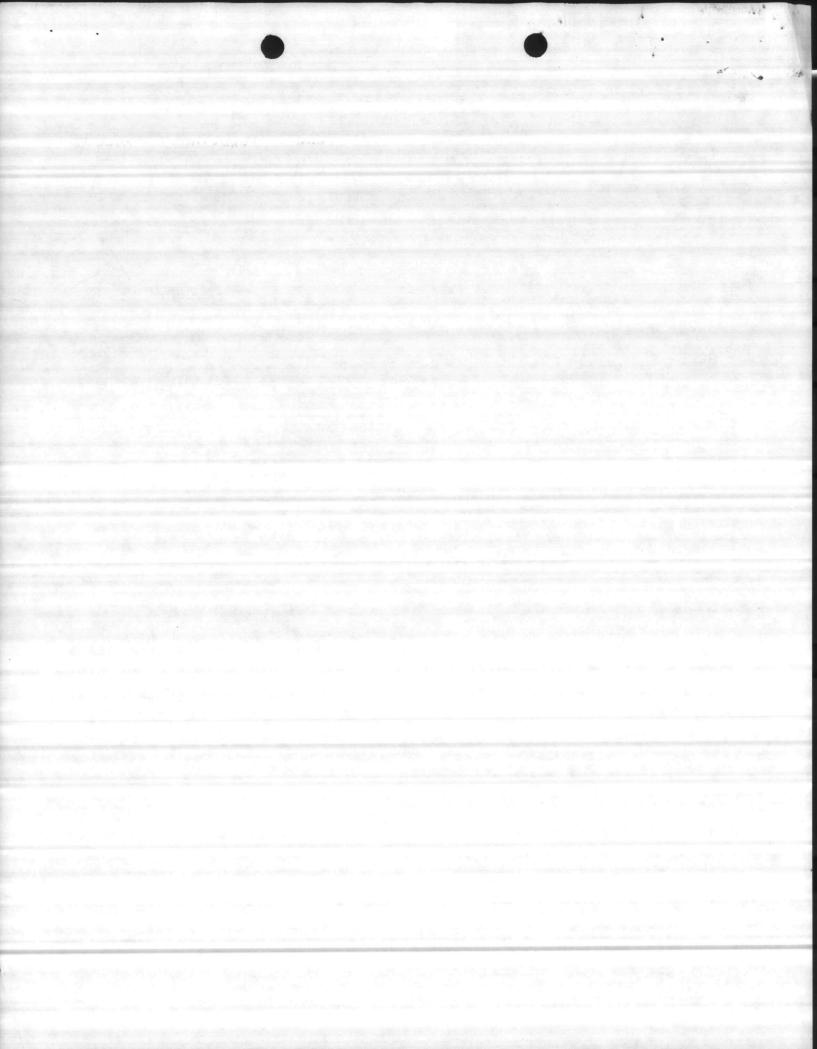
M-1 FUNDING FY-83

File Number	Description	Money Value
3001	Repair Steam and Condensate Piping - Camp Johnson M-324	\$60,000
3002	Repair Roofs, Camp Geiger	\$320,000
3003	Repair Roofs, Basewide	\$210,356
3004	Interior and Exterior Paint Hadnot Point	\$119,300
3005	Interior and Exterior Paint Camp Geiger	\$ 33,700
3006	Interior and Exterior Paint Marine Corps Air Station	\$109,000
3007	Interior and Exterior Paint BB Area, RR Area, Camp Johnson	\$171,450
3008	Repair Steam and Condensate Piping - Courthouse Bay - BB-2	\$ 22,000
3009	Repair Open Air Playing Courts	\$185,387
3C10	Repair Water Piping in Latrines Camp Geiger	\$174,000
3011	Repair of Overhead Steam Line Poles - Camp Geiger Area	\$ 16,050
3012	Repair Heating System in H-Type Barracks	\$330,000
3013	Repair and Restripe Parking Lots Basewide	\$ 72,188
3014	Repair of Fencing on Tennis and Handball Courts	\$ 24,016
3015	Repair Heating System, Boiler #22, Building 45	\$ 40,000
3016	Repair Heating System, Buildings TC-601 and M-116	\$ 37 , 850
3017	Rpl Cond Receiver Tank, Valves Float Controls & Alarms, Build- ing #M625	\$ 20,000
3018	Rpl Oil Burners #38, #39 and #40 Boilers, Building #M230	\$ 70,000



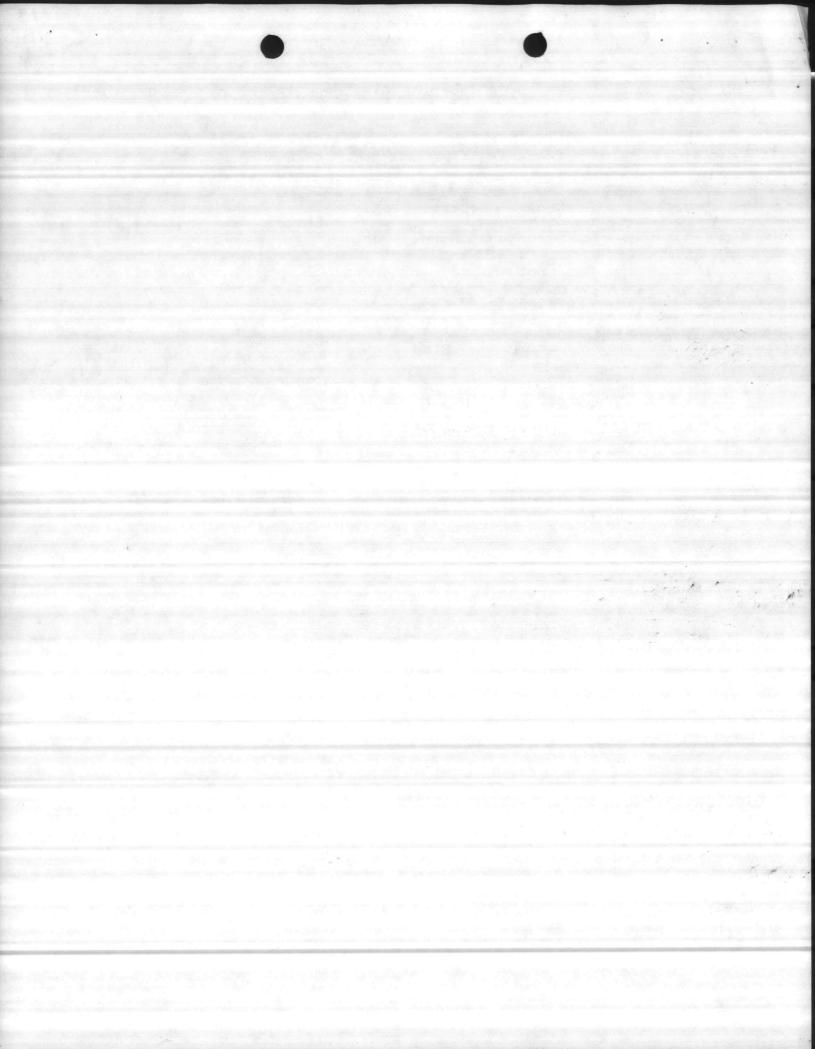
M-1 FUNDING FY-83 (Continued)

File Number	<u>Description</u>	Mo	ney Value
3019	Rpl Boiler #61 - USO Building	\$	15,000
3020	Rpl Mechanical Equipment Two Tanks - Building 22	\$	70,000
3021	Pnt Interior Wall and Ceiling Building 1300	ંક	30,000
3022	Rpl Boiler #88, Building 670	\$	16,000
3023	Rpl Flow Meters & Recorders, Building RR-85	\$	50,000
3024	Repair Structure A-25	\$	17,394
3025	Repair Water Line, Building BA-138	\$	30,300
	TOTAL	\$2	,243,991



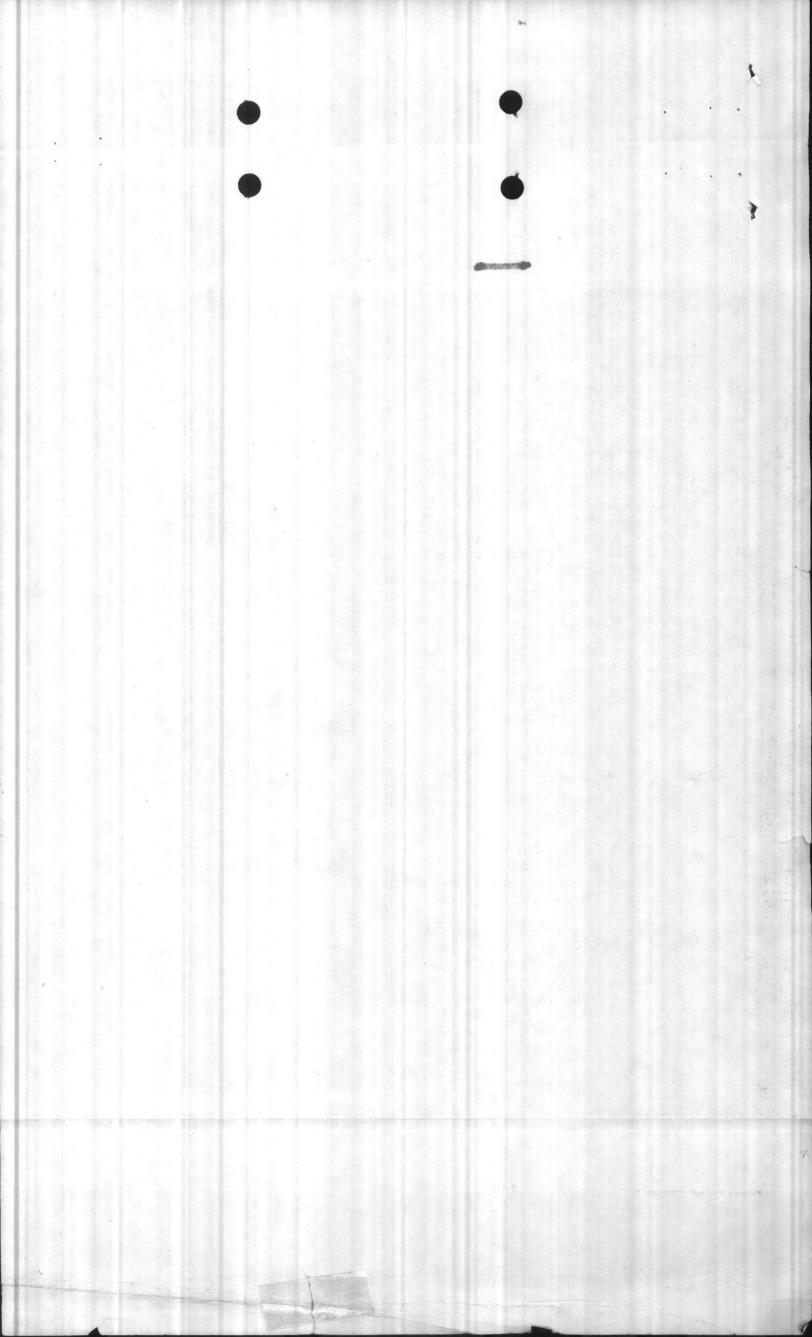
New M-2 Items for the FY-82 BMAR, Marine Corps Base, Camp Lejeune, North Carolina

Priority	Work Description	Cat Code	Previous Summaries	X000 Cost
1	Rpl Target Carriage Sys	179	0	231.0
XS	Rpr Controls & Meters, Bldg. G-650	821	0	77.0
1	Mech & Structural Rprs, Bldg. 1700 Rpl Cond Return Sys - PP Area	821 822	0	165.0 150.0
2 2	Mech Rprs, Bldg. M-625	821	0	87.0
23	Rpl Water Filter Drain Sys, Bldg. 20 Rpl Htg & A/C Sys, Bldg. 19	841 740	0 0	200.0
3	Rprs, Bldg. 1500	730	00	392.0
	Rpr Street Lighting, Holcomb Blvd.	812	0	80.0
3	Rpl Water Dist Main, 200 Area, Camp Johnson	842	-0-	200.0
	P0012 Rpl Coal Feeders & Pul- verizers, Bldg. 1700 P0022 Rpl Casing, Insulation,	821	1	2,530.0
	& Tile in 4 Boilers, Bldg. 1700		1	1,071.0
		TOTAL		5,322.0
Marine Cor	ps Air Station (Helicopter), New	River		
1 1 2	L0011 Rpr Runway, Oak Grove L0021 Rpr Taxiway, Oak Grove L0031 Rpr Parking Apron, Oak	115 111	1	1,350.0 309.0
3	Grove Rpr Airfield Lighting,	113	- 1	216.0
3	Oak Grove	136	0	150.0
		TOTAL		2,025.0
FY-84				
Projects P	lan Rpr Roof, Bldg. AS-504	211	0	108.0



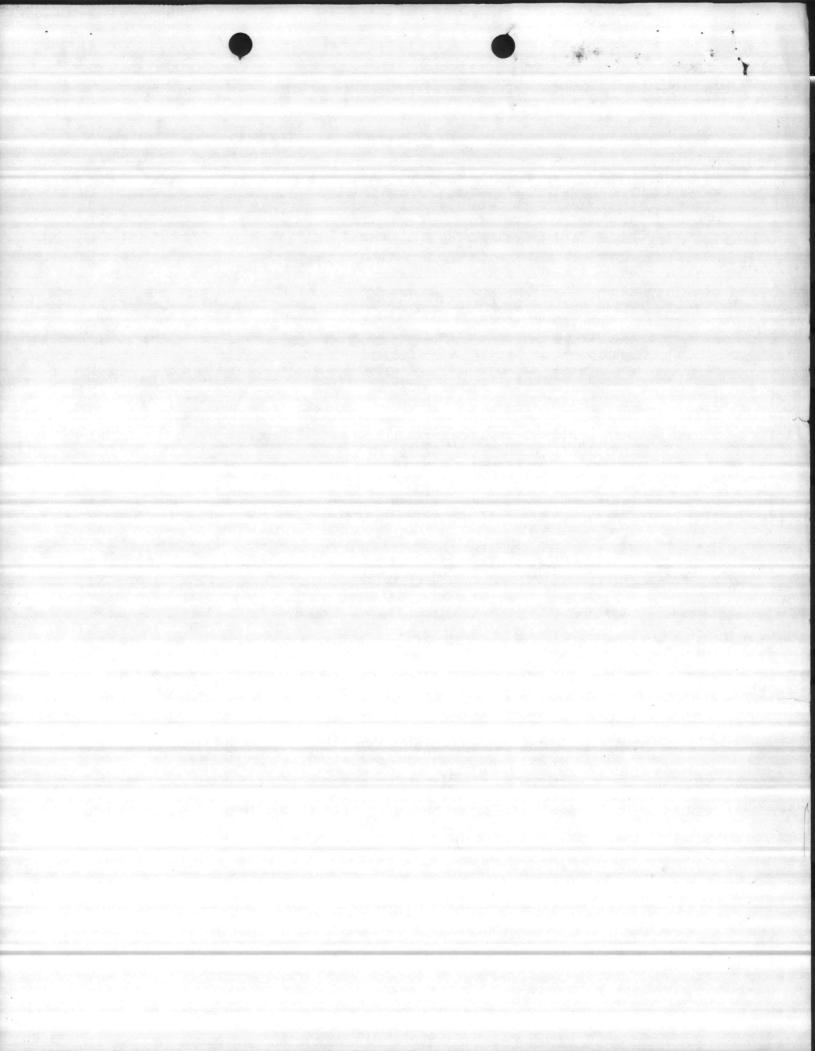
FY-82 - M-1 FUNDING

FILE NUMBER	DESCRIPTION	CONTRACT NUMBER	BASE MAINTENANCE NUMBER
2001	Fence repair and resurface parking lot		
2C02	Replace heating & air conditioning system, Building 19	•	
2003	Reface handholes & manholes, 1700		
2C04	Replace incandescent fixtures, 1700		
2C05	Replace lights, SHE-12, SHE-13, SHE-8		
2.C06	Tower repairs, ST-9, ST-7, ST-8		
2C07	Replace concrete apron, AS-840		
2008	Replace cooling lines, Building 1700		
2009	Replace bridge with culvert, S-864		
2C10	Replace heating & air conditioning Building 37		
2C11	Repair corners & deck, AS-705		
2C12	Sandblast & paint mechanical equipment		
2C13	Repair & finish pews		
2C14	Basewide reroofing		
2C15	Interior/exterior painting, French Creek		
2C16	Repair swimming pool steps, AS-202		
2C17	Replace mechanical equipment, M-230		
2C18	Replace walkways, AS-4020 & AS-4025		
2C19	Replace hot water boiler, TT-44		
2C20	Replace lines & repair showers, M-128		
2021	Repair shop doors, Building 1775	82-4560	
2C22	Replace steam & condensate lines, Building 1500		
2C23	Replace linoleum floor, Building 15		
2C24	Asphalt resurfacing, basewide		
2C25	Exterior painting, Montford Point	82-4563	
2C26	Interior/exterior painting, basewide	82-4565	
2C27	Interior painting, various buildings	82-4564	
2C28	Repair Hostess House	81-3674	
2029	Resurface tennis courts	81-3670	
2C30	Repair Reefer Ceiling	80-2056 ((Cancelled)
2C31	Unaccompanied Enlisted Personnel Housing	79-9061	
2C32	Interior/Exterior Painting Basewide		
2C33	Interior/Exterior Painting Camp Johnson		
2C34	Interior/Exterior Painting MCAS(H) and Camp Geiger		
2C35	Replace Air Handling Heat Units and Controls Fc-100 Fc-200		
2C36	Renovation of Heating Systems - MCAS(H)		
2037	Modify Heating System - AS-232		
2C38	Repair Concrete Ceilings and Beams		
2C39	Renovation of Heating Systems - Camp		
	Geiger		
2340	Repair Ceiling and Lighting - 59	The same of the same	A STATE OF THE STA
2C41	Replace Window Sills - Brig		



FY-82 - M-1 FUNDING (cont'd)

FILE NUMBER	DESCRIPTION	CONTRACT NUMBER	BASE MAINTENANCE NUMBER
2C42	Repair street lighting - Holcomb		
2C43	Improvements to tennis courts fencing	82-3673	
2C44	Renovation of Enlisted Club restooms	81-3672	
2C45	Repair electrical wiring & lighting		
	panel in gyms		
2C46	Replace static grounding systems at		
	ammo magazines		
2047	Replace lighting & associated wiring,		
	Buildings 45 & AS-202		
2C48	Replace steam/condensate lines &		
	equipment in messhalls		
2C49	Replace reefer condenser units &		
	evaporator coils in messhalls		
2C50	Repair sidewalks, Camp Johnson		
2C51	Structural repairs to pier, SBA-142		
2C52	Maintenance of asphalt roads, basewide		
2C53	Interior/exterior repairs & paint		
	Buildings 11,63 and M-104		
2C54	DELETE		
2055	Replace lighting, heating plants BB-9,		
	RR-15 and PP-2615		
2C56	DELETE		
2C57	Miscellaneous Repairs to Heating Plants		
	RR-15, BB-9, BA-106 and M-230		
2C58	DELETE		
2C59	Replace Pump control cable, Building		
	AS-110		
2050	Replace Auxilliary Engines, Buildings		
	20, 603, 613 and BA-138		
2061	Replace Windows, Building 20		
2C62	Chemical Cleaning water lines, Buildings	3	
A - 100 Co. 100 To.	670, 20 and TT-38		
2C63	Repairs to Water distribution lines,		
	MCAS(H), New River		
2C64	Seal and paint walls, building 670		
2065	Repairs to oil pumping station M-230,		
	BB-9, RR-15 and PP-2615		
2C66	Repair Deteriorated Reefer Units Bldg. 1	0.41 (Brig)	
2C67	Stained Glass for Chapels	81-3650	
2669	Survey, Restreen & Ren Wells Foundation Prais AS-205		
	Foundation Brains AS-205		
2070			



Popl. Flowmelors and Peconders, 20, 81-3554 35% Regl. Spiractors + Puping, 2" Intell Con Recordination Repl Filters and Softeners, RR-85 Pepl Filter Control Values for Rapid Sand Filters, Blog 20 (Joshon com with Filter S. Wash & Filter (check on combining with Filter Surfrace Work & Filter 40 5 yelen 1 Regl Digester Cover 5-718 nice Reg. Lost. Rope. Pump Calle, A5-110 (mise Rpain cont.) Rpl. Aux Engines, 20,603,613 Regl Windows, Blog 20, 7 20 to TT-38 pg. cont Paint Interior, Blog 20 Chemical Clean Water himes, 670,20, 77-38 I maile Plant

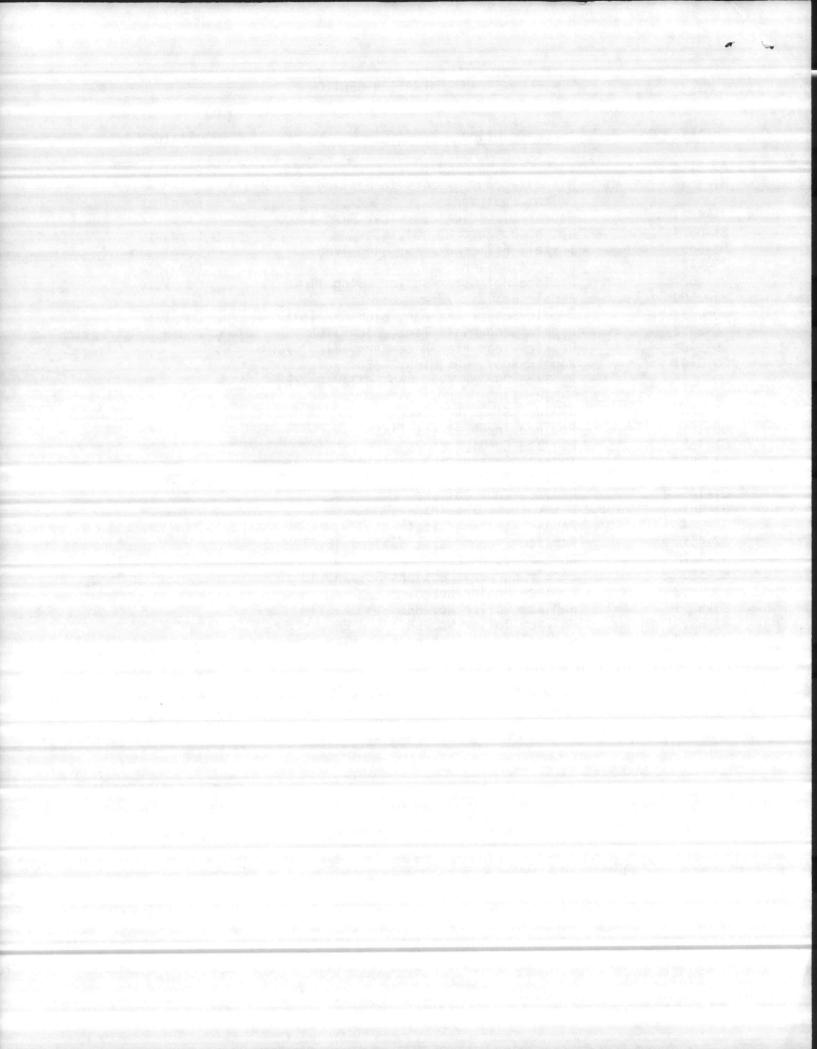
maint to Water Dit heres, AS

Claning

Water Sourcege Roplace Well 601 Replace Influent Line TC-563, 10,000 Chlorine Contact Chamber - 683 Replace high Station, Comminator Charrel Pumps + Comminators 77-35 115,000 Replace Comm. + Channels TC 563 48,000 Reglace mech Equip, Prumay + Secondary
Tanks 22 + TI-35 (2 prumay + 2 secon) Repair Digoster Cours, 22 Replace Flow Toronsmitters of Pereiners 77-38 Regl. Dong chemical freder, A5-110 81-3534 Popl Well m-168 - large to repair Replanate of flow controllers, 20 31-3554 Poroude Add'I have Storage Capacity A5-110

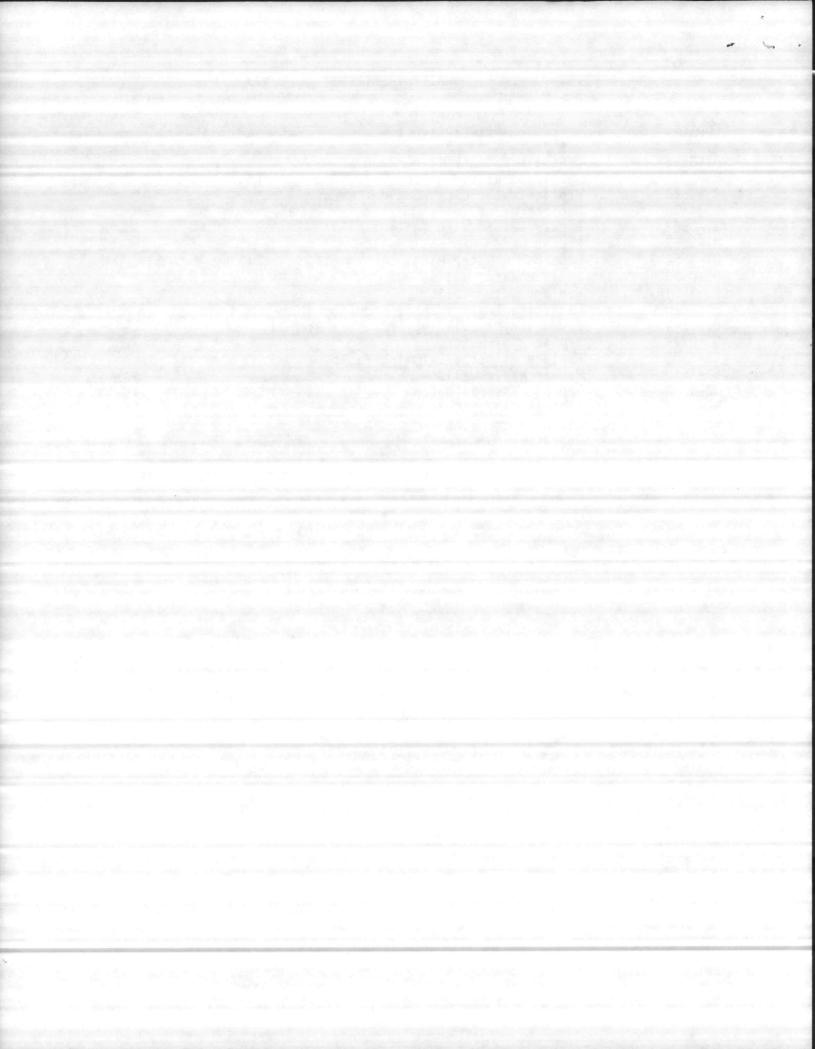
STEAM GENERATION SECTION

Contract No.	Description	<u>S ta tus</u>
80-2114	Coal Storage Shed	Complete
81-3557	Miscellaneous Repairs to Heating	
70 4471	Plant Equipment	Complete
79-4471	Repair Electrical Service, Bldg 1700	Complete
81-3577	Retube Boilers 83, 84, 85	Complete
81-3655	Install Filter System, Bldg 1700	Complete
79-4475	Replace Boiler 54	Complete .
82-4571	Replace Hot Water Boiler, Bldg TT-44	Complete
81-3580	Repair Boilers 77 and 86	Complete
80-0437	Repair Boiler Casings, Bldg AS-4151	Complete
80-2072	Repair Condensate Tank, Bldg 1708	Under Construction
79-4487	Repair Steam Flow Recorders, Bldg 1700	
80-0401	Repair Roof, Building G-650	п
80-0435	Replace Burner Eyes and Boiler Casings,	
	B1dg 1700	0 п
81-3661	Replace Steam Valves	н
82-4568	Replace Incandescent Fixtures	U U
82-4629	Replace Cooling Lines	H H
81-3654	Install Safety Devices in Boiler Plants	п — п
81-1462	Replace Underground Fuel Tanks	Under Design
81-1464	Replace Four Boilers	11 11
81-3616	Railroad Siding, Bldg 1700	II II
83-3044 :	Repairs to Precipitators	11 11
82-4676	Replace Economizers, Boilers 16, 17, 18	n n
82-4678	Repairs to M-625	u u
83-5804	Repair Burners, Boilers 38, 39, 40	и и
83-5808	Replace Boiler No. 61	n n
83-5811	Replace Boiler No. 88	и и
83-5829	Replace Boiler No. 58	H H
82-2320	Miscellaneous Repairs to Boiler Plants	и и
02 2020	moderialicous Reputits to botter Figites	



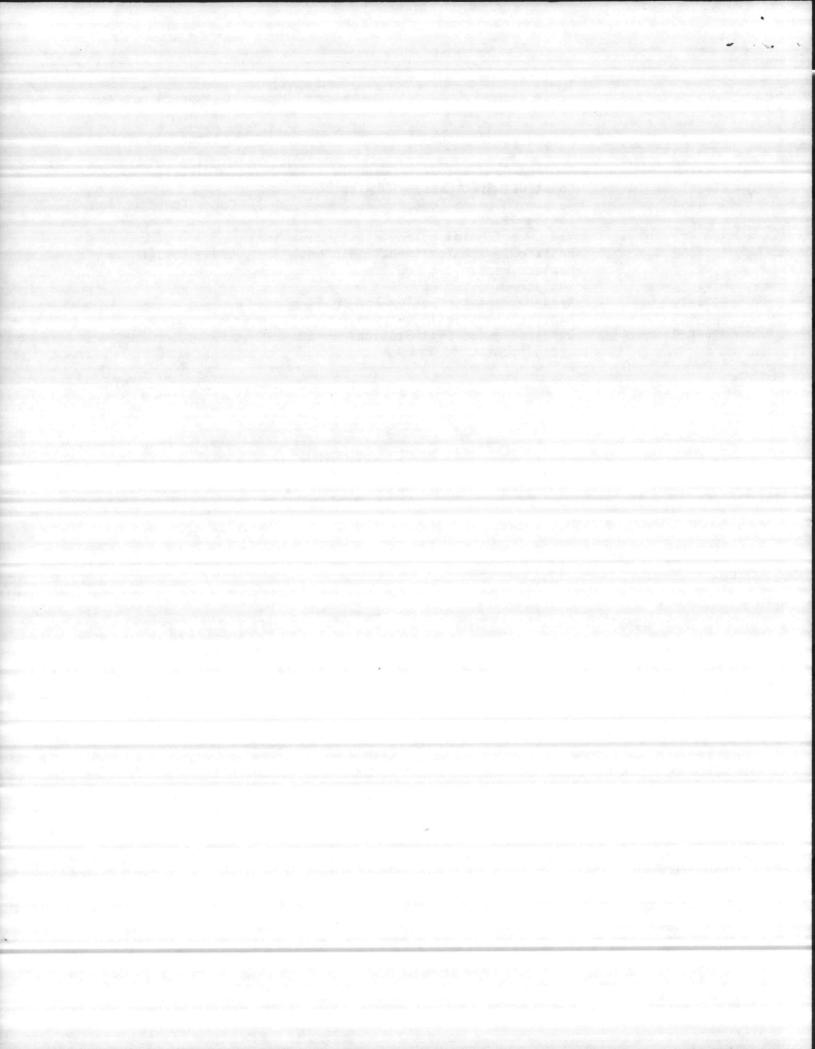
WATER TREATMENT

Contract No.	Description	Stati	us
81-3625 80-2043	Repair Water Filter, Bldg RR-85 Repair Generator System, Bldg 20	Comple	ete
81-3556	Replace Water Line, Onslow Beach	.11.	
79-4476	Replace Water Wells		
81-3562 81-3563	Repair/Paint Water Tanks Repair Water Piping, AS-110	"	
81-3554 80-0399	Repairs to Water Plant Equipment Replace Water Wells	Under	Construction
82-4551	Replace Water Wells	11	н
81-1478 81-1644	Utilities Improvements, Courthouse Bay Expansion of Building 670 Water Plant	Under	Design
82-2349	Replace Spiractors	11	н
82-2552	Replace Filters, Swimming Pools	н	11
82-4610	Repair Water Wells	11	II .
82-4663	Replace Reservoir Top		11
81-3647	Lime Storage, AS		, II
82-2319	Clean Water Mains		
83-5812	Replace Flow Meters	"	



SEWAGE TREATMENT

Contract No.	<u>Description</u>	Status	
82-2162	Replace Comminutors & Channels	Complete	
81-3617 81-1454	Construct Grit Chamber Drying Beds Repair Chlorine Contact Chamber Bldg 22	Under Construction	on
81-3645	Raw Sewage Holding Tank	ппппппппппппппппппппппппппппппппппппппп	
82-4552	Replace Sewage Treatment Equipment	Under Design	
82-2552	Replace Mechanical Equipment		
82-4638	Replace Digester Covers	n n	
82-4679	Replace Digester Boiler and Coils	u u	
83-5809	Replace Mechanical Equipment	H H	
83-5839	Replace Sewage Lift Station		
	Equipment	и и	



COLD STORAGE SECTION

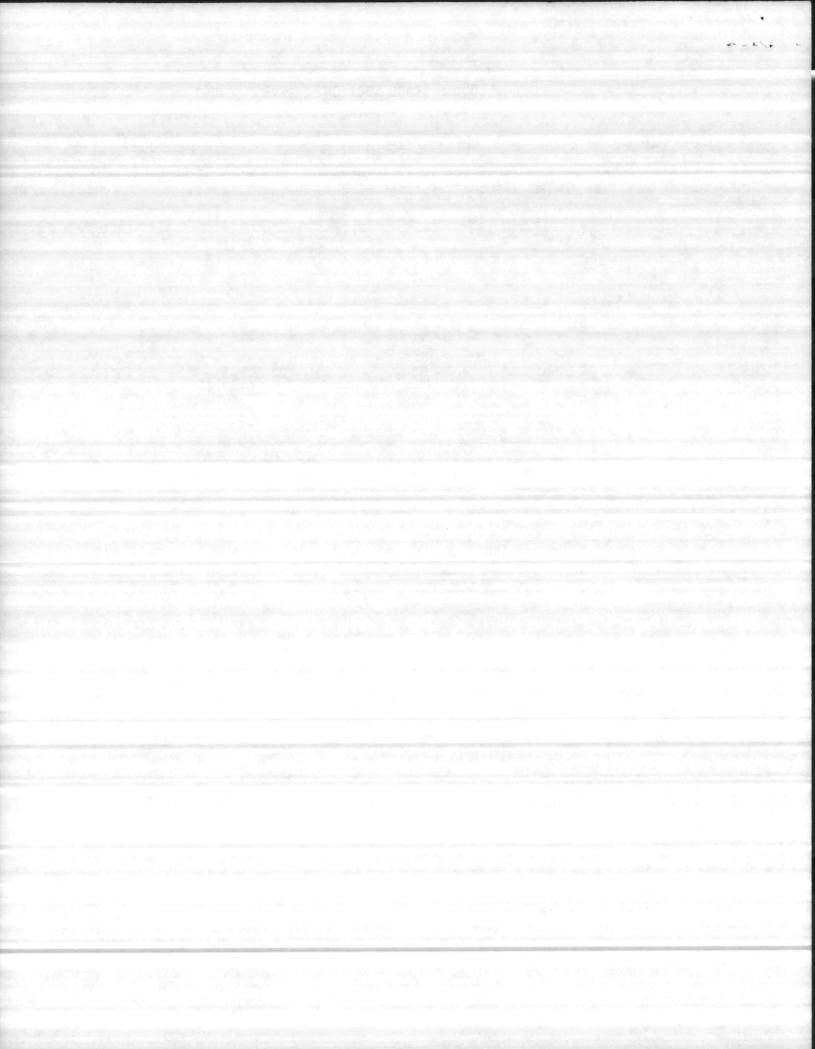
Contract No.

Description

Status

Replace Electrical Wiring & Switchgear Repairs and Painting, Bldg 1300

Under Design



Waler / Sewage

Repl. Merk equipment un provianz Fanks Blogs 22

Repl. Boiler No. 88, Blog 670 - 670 Expon. ant.

V Repl. Fielter Underdrein System, Blog 20

Repl. Waler Line, BA-138 30,000 (Plant to Tower)

Replace Aux Eng with Generalor

fegain Water Well m-628 Repair Water Well HP-610

Peluild lift Stations AS-206, AS-330, AS-426, AS-606, AS-517

Construit
Buildings for Aux Generalors RR-92 RR-52,

5BB-204,5BB-1, A-38, BA+107

M-136, M-241, SE-23, TT-33,

TT-34, 135, 22, 5-47A, 5-34

85, 5-1761, 5-1948, 5-2633,

5-2100, 5-46, 672, SF-315 PC-203

LCH-40051, 5-1776

Install Prying Beds (31, TC-563

Steam (Partial)

Provide + Install Condensate Polishers A 5 4151 \$15,000

Replace Boiler # 10

Replace Area 5top Values, 1700, 90,000 under Construe.

Replace Cooling water drain dines - 1-4, 1700 \$10,000 under Core. P+W

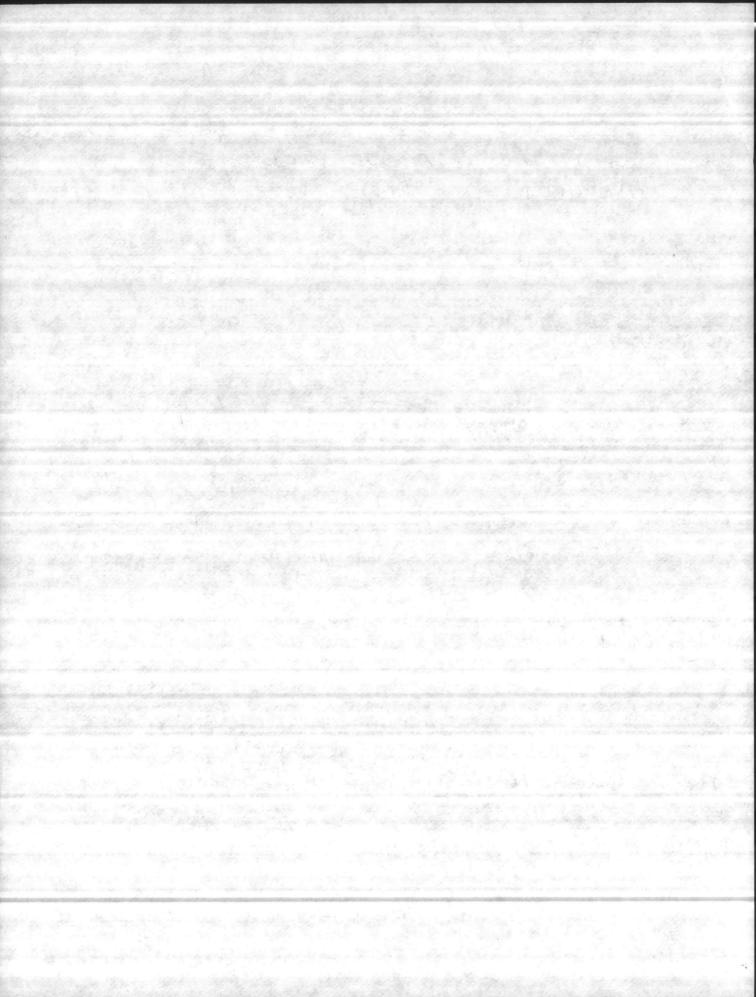
Provide + Install Ash conveying Equip. - Procipitators \$200,000 ESR-LANTON Renest usdale

Provide + Install Condencate Polisters, G-650 \$15,000

15000 15000 1000 Replace Bailer 46 RR - 15 200,000 1000,000

11 47 , RR-15 300,000 11 55 , BB-9 300,000

Replace #60 il Tanks m-625, BB-9, RR-13, 2615



FY-82			

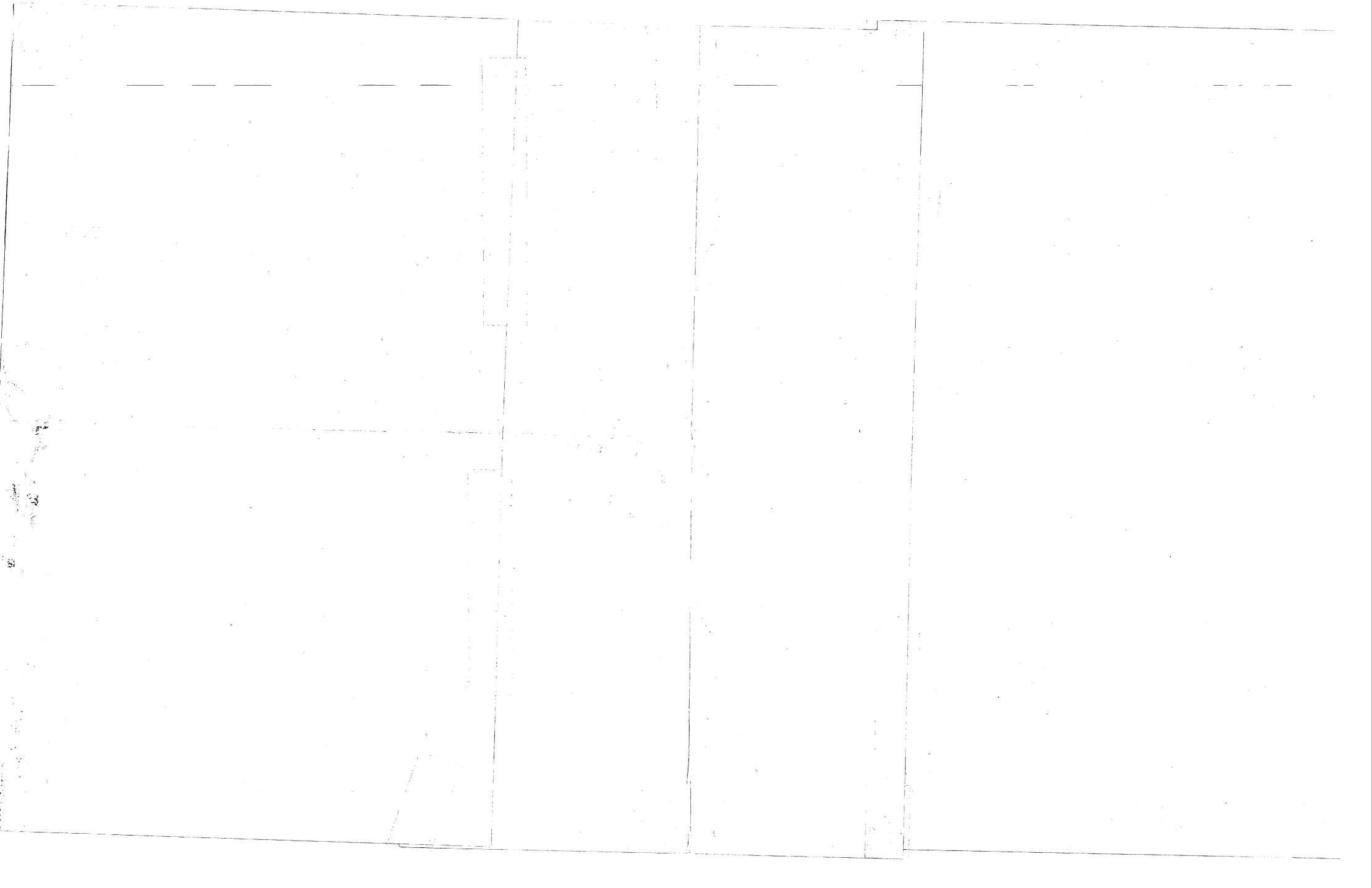
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2 9.5 (pp. Homosoft, City 160				46000					7
8 93 Franch Vienna Blogs 8 13 Franch Vienna Bl	1C 02	Plumb RpR, BEQ Camp Johnson	/ 359 4	35000		1874982	2/14/82	29890	8
8 63 Peneral Menons Stags	12-03	Rpl Heating Sys, Bldg. 762	3597	1 1 3558 1 1 1 1 1 1	Deleted			150000	9
8 61 Rpl Cond Ames, MEAS	11 1 1	11	#	- 	1/52789	13//ak82		7.50789	10
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2C 13 Res Resource Resorting 2 4574 10192 14574 2 1570 2 168 2 152540 26 8 44 Int/Est Pat, Es Creek 2 4590 84800 45527 Illus 2 25828 1000 2 25540 27 22 16 Rep Swim Poolstops 83202 2 4577 2000 2000 1000 2000 2000 2000 2000 20	11	•	2-4582	10000					24
2C 14 Reservice Recording 2-4574 +0/322 +48500 2/8527 70 un82 550x82 72/2540 22 R 94 Int/Evi Pat, Fr. Creek 2-4580 84800 72527 70 un82 550x82 72/25 20 unburisted 2/20/25 20 unburisted 2/25/25 20 unburisted 2/25/25/25/25/25/25/25/25/25/25/25/25/25				26000	3750	10# 4982	12-73		25
2C 16 Rep. Sum Poolsteps AS202 2 + 5777 20022 Combined Suffer Combined 2012 2014 2018 2C 17 Red Meet Egyp M 236 2 4578 4625 Deleted 2C 18 Red Walkways AS4020 BS4025 2 45777 900000 325000 10840982 Combined SD 237 108600 9018 Red With Bir TI 44 2 4571 45000 10840982 Combined SD 237 108600 9018 Red With Bir TI 44 2 4571 45000 10840982 1084082 108600 31 2C 20 Red Unes & Red Showers Miss 2 4530 75000 10840982 52 c 537 0000 10840982 52 c 537 00000 10840982 52 c 537 000000 10840982 52 c 537 000000 10840982 52 c 537 00000 10840982 52 c 537 000000 10840982 52 c 537 000000 10840982 52 c 537 00000000 10840982 52 c 537 00000000000000000000000000000000000	. 11	م اا	2-4574	101935	118500	21110482	4.570/82	1/52340	26
22 18 Rpl Walk ways AS4020-BS4025 2 45777 700000 250000 1064082 Combined 82-53? Combined 2010 30 40 1040 1040 1040 1040 1040 1040	8 84	Int/Ext Pat, FR. Creek		87800	72528	711/1/82	35Mar82	72828	2C(08,3C1/
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9 01 Rol Hot WHE BIR TI-44 2-4571 2-20 Rol Lines & Ror Showers MIR 2-4630 73000 105700 10	20 17	Rel Mech Equip M-230			Deleted			60 5 2	1 20/25 2011 30
2C 20 Rp Incs = Rpr Showers M/28 2 - 4500	11 1 1					11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	d	-11 3.67 2 1 1 1 1	Compined aclo
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FY-82 LOCAL FUNDED M-1 CONTRACTS

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Pinh Copy BASE MAINTENANCE DIVISION Marine Corps Base Camp Lejeune, North Carolina 28542 MAIN/FEC/rn 11300 30 Nov 1982 Director, Utilities Branch Director, Operations Branch

From: To:

Subj: Additional M-1 Contracts

Encl: Replace Boiler, Bldg 670

(2) Replace 10" Sewage Line Across Scales Creek, Camp Johnson Replace Pumps, Valves, and Controls, Bldgs AS-206, AS-230, AS-426, AS-606, and AS-517

Replace Auxiliary Engine, Bldg AS-110 Replace Water Line, Onslow Beach

Repair Water Well, Bldg 610 Replace Water Well, Bldg M-628

- 1. It is requested that plans and specifications be prepared to accomplish contract work outlined in enclosures (1) through (7).
- 2. Additional information is available from Utilities' personnel as required.

F. E. CONE



REPLACE BOILER - BLDG 670

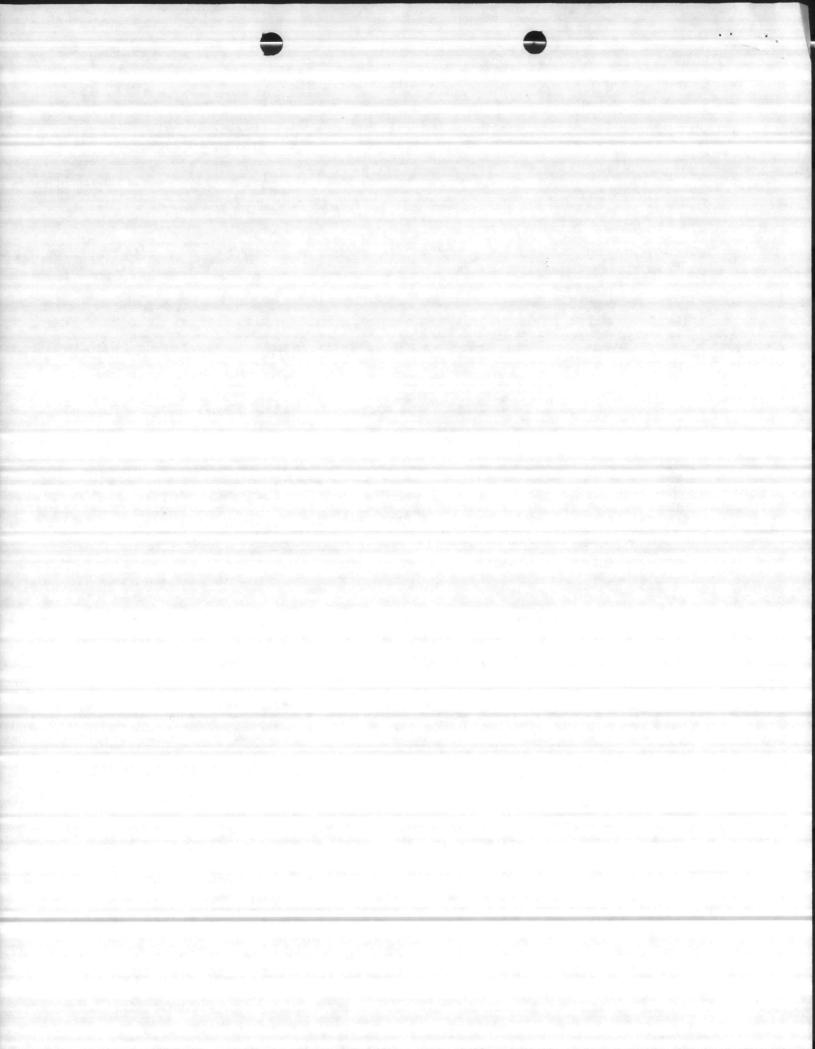
The boiler at Bldg 670 was installed in 1971 with insufficient capacity. This resulted in excessive wear. There have been many repairs made, including retubing and replacement of various parts. This boiler and associated controls should replaced. Boiler Mechanics estimate approximately two years additional useful life.

Boiler Data

BHP - 15 BTU/Hr - 502,079 Type - Firetube/Hot water Make - Spencer Fuel - #2 Type Burner - Spray Nozzle

Estimated Cost: \$20,000

Note: Boiler replacement should be coordinated with plant expansion under MILCON.



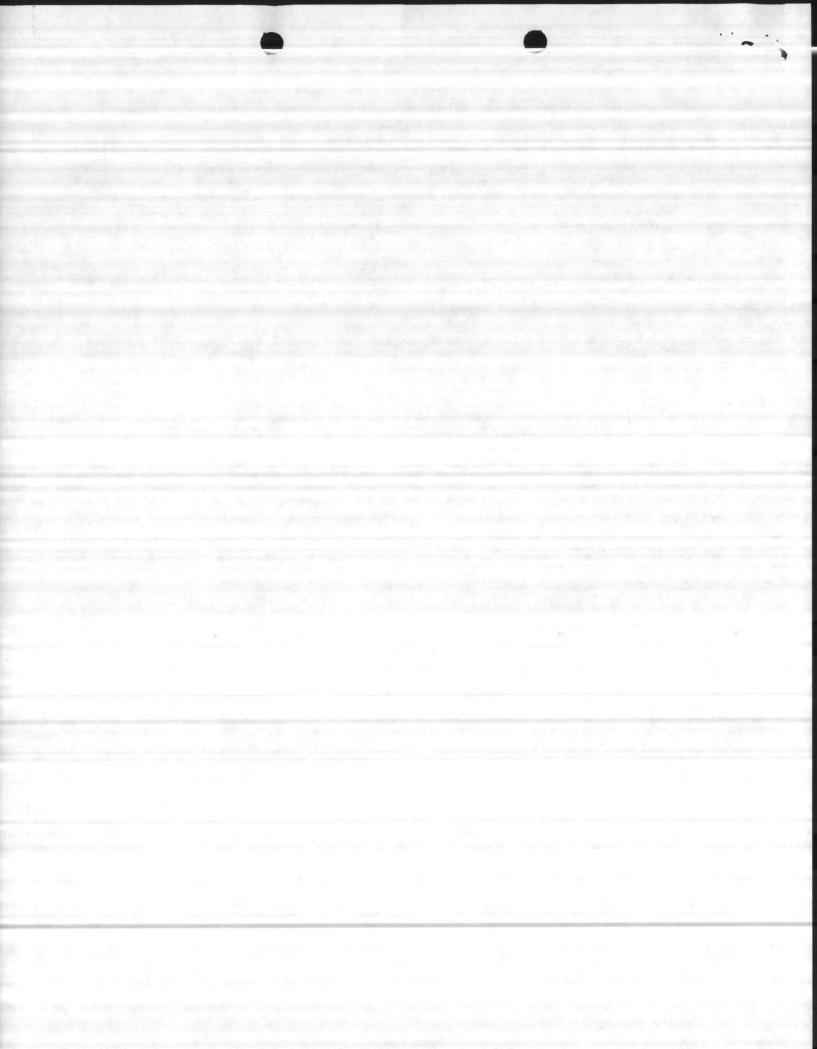
REPLACE 10" SEWAGE LINE ACROSS SCALES CREEK

This sewage line was installed in the mid forties, and over the approximately 37 years of service it has deteriorated to a degree that it has been patched several times and would be more feasible to replace than to continue patching. Size of line to be replaced is $10^{\prime\prime}$ x 666^{\prime} .

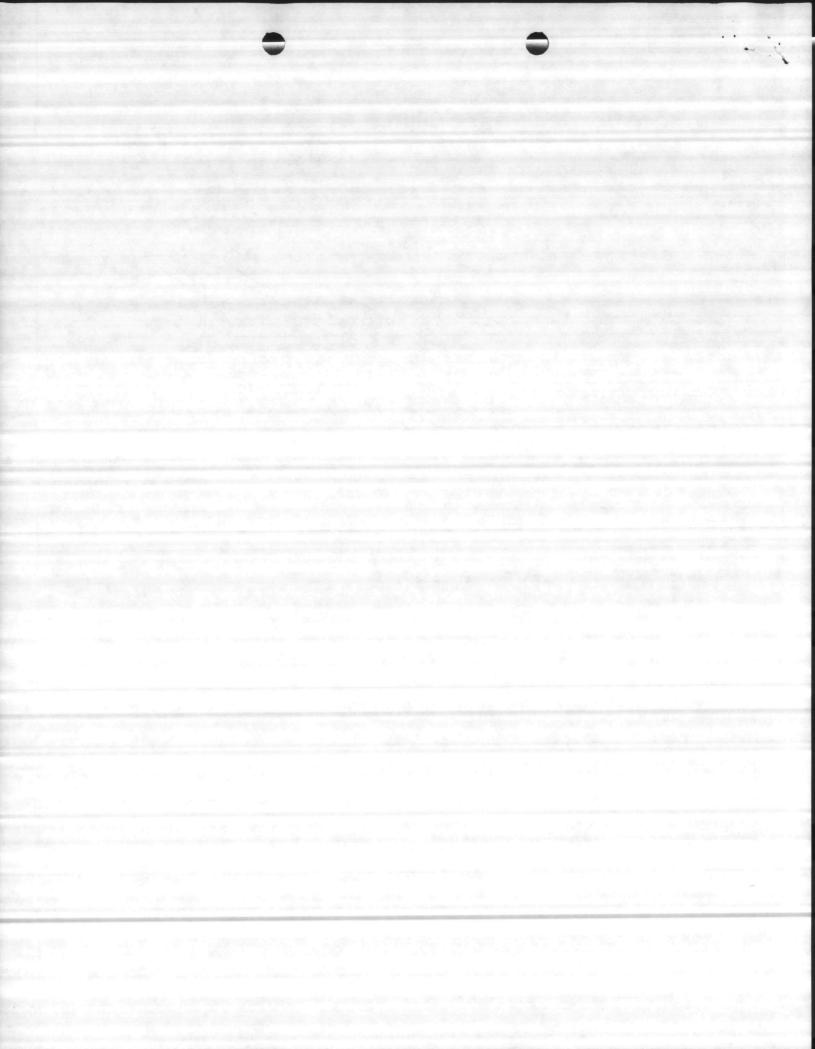
Estimated Cost: \$70,000

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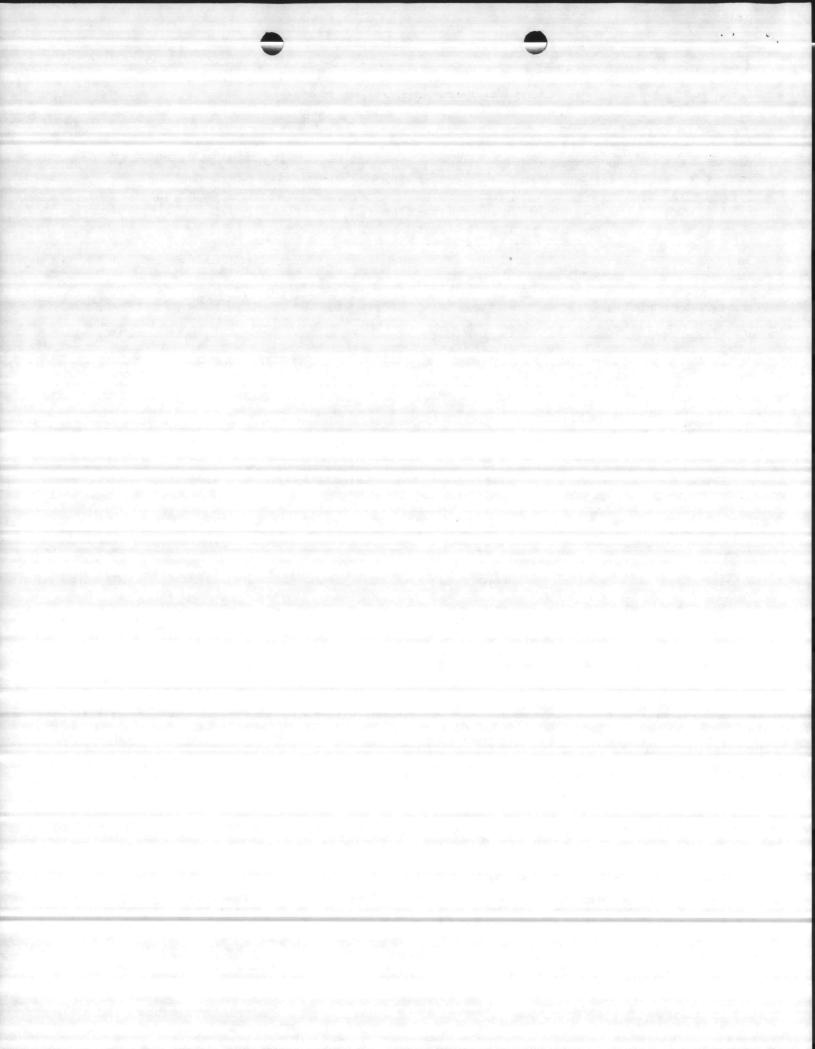
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REPLACE PUMPS, VALVES AND CONTROLS BLDGS AS-206, AS-230, AS-426, AS-606, AS-517

Replace sewage pumps, valves, motors, starters, and automatic controls in five sewage lift stations. Subject equipment has been in operation for approximately 25 years and has worn out in service. This equipment should be replaced so we can maintain normal service and meet the N.P.D.E.S. requirement.

Estimated Cost: \$90,000

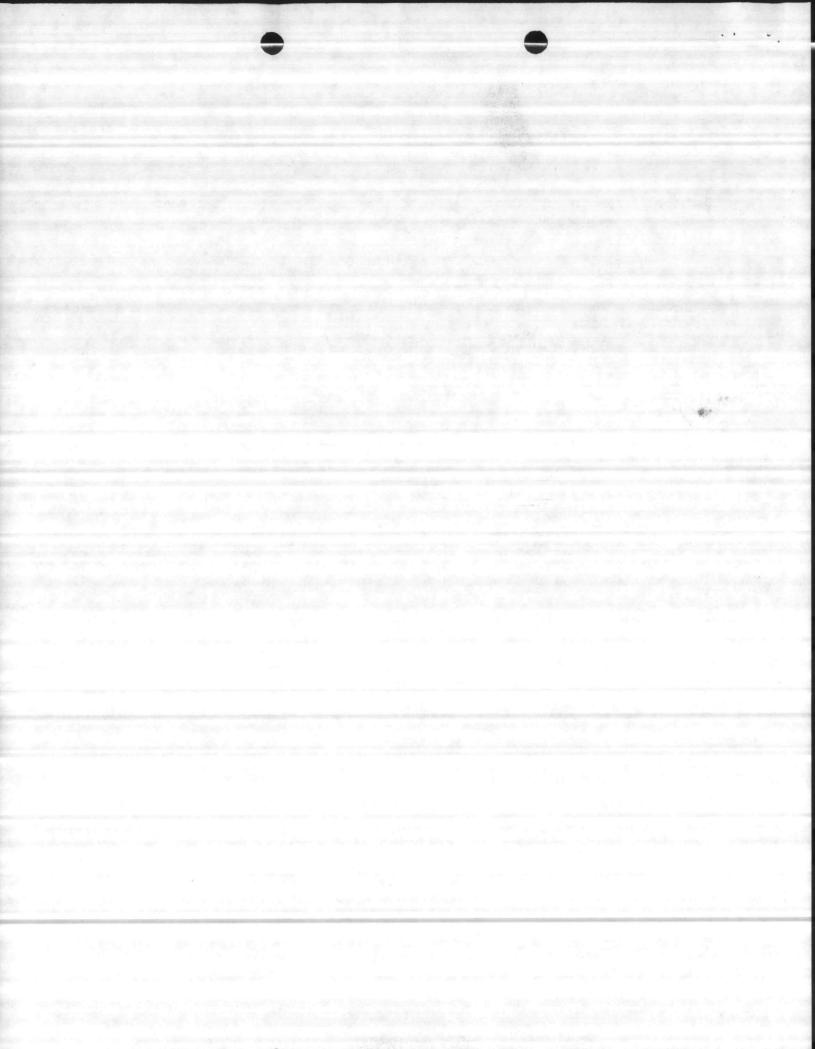


REPLACE AUXILIARY ENGINE - BLDG AS-110

The auxiliary engine was installed in 1953 and has worn out in service. It is not dependable for operation during commercial power outage. There is no method provided to treat water during power failures.

Recommend replacing auxiliary engine with a diesel generator to treat and pump water and give adequate lighting to comply with both state and federal regulations during power outage.

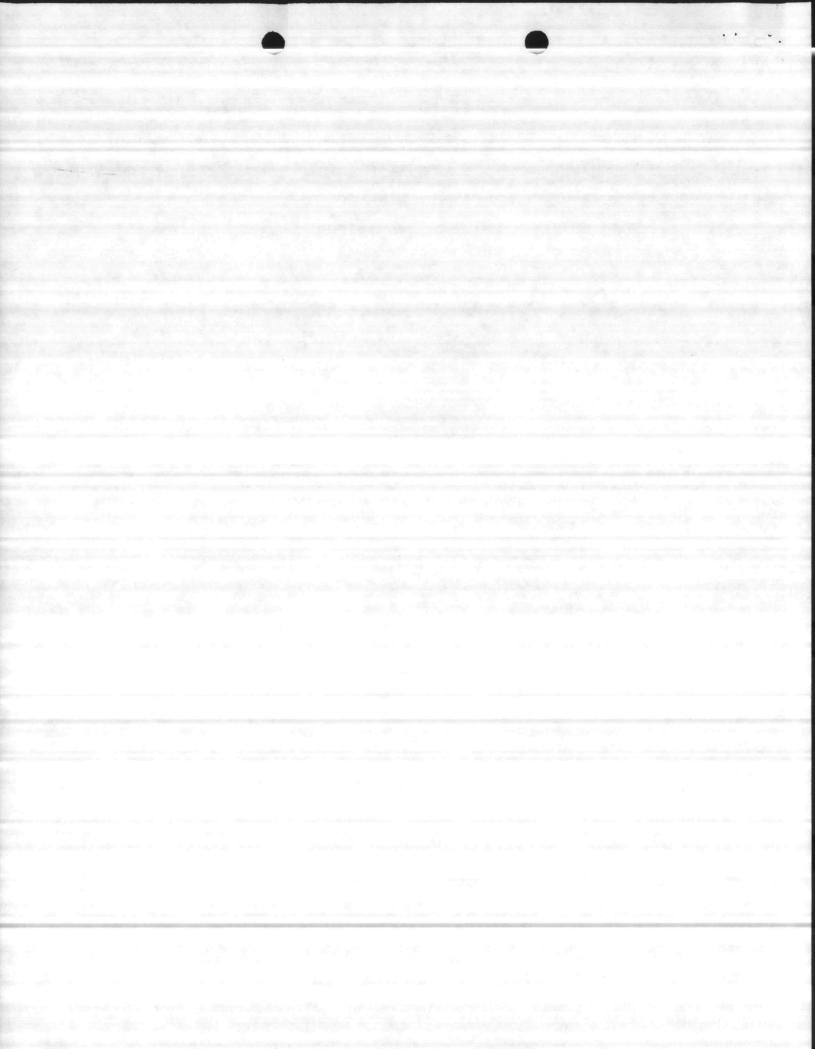
Estimated Cost: \$70,000



REPLACE TREATED WATER LINE - ONSLOW BEACH

The 10" treated water line at Onslow Beach located between the elevated water tank #SBA-108 and the Inland Waterway was installed in the middle forties, it is very badly eroded and has been repaired several times. Subject line should be replaced with a type that will not erode as much as the cast iron pipe. Pipe size 10" dia. and approximately 425' long.

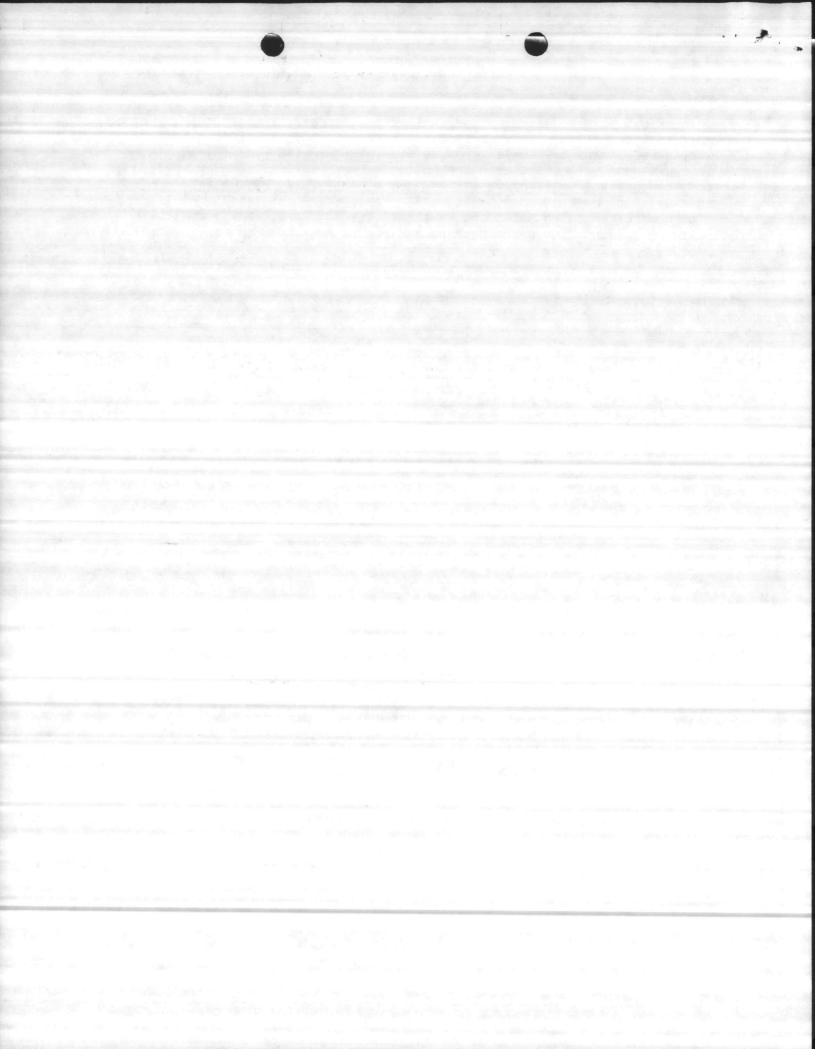
Estimated Cost: \$50,000



REPAIR WATER WELL - BLDG HP-610

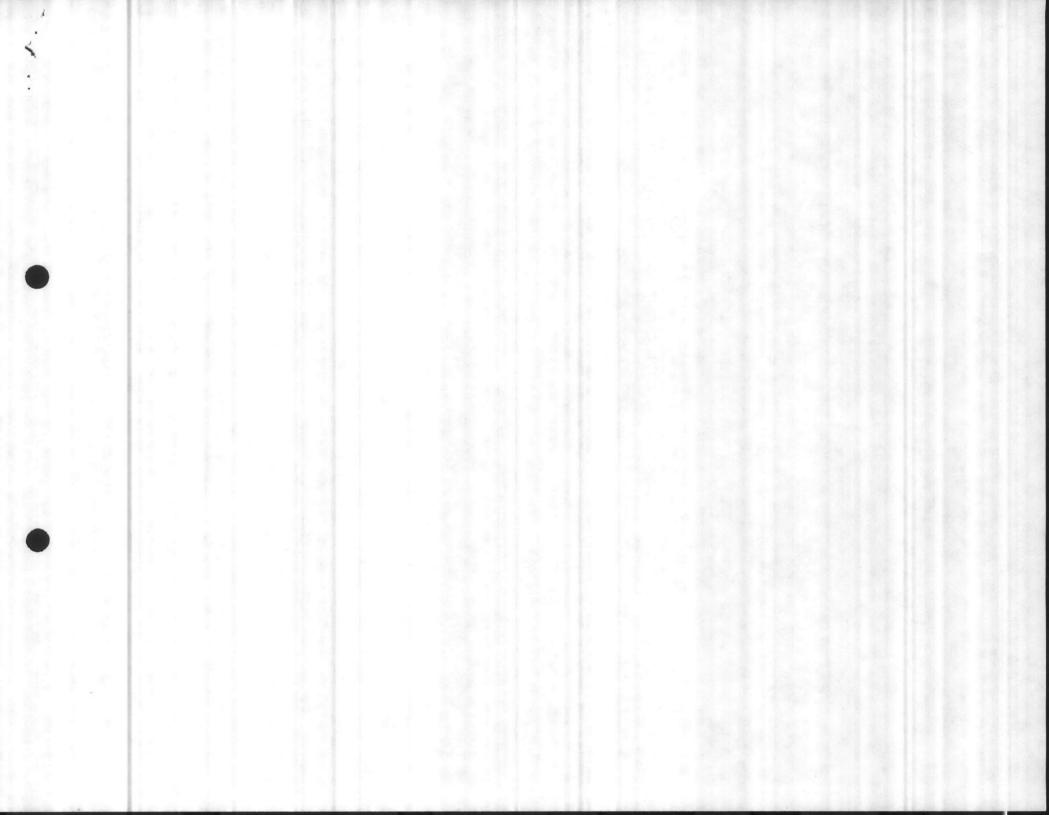
Well HP-610 was installed in 1943 with a total capacity of 250 GPM. Subject well is an 8" gravel packed with a depth of 190'. This well has 50' of screen set at the 62' to 72', 88' to 108', 130' to 140' and 181' to 191' level with only 1' visible in the bottom screen. All screens are eroded to a degree that small gravel is coming into the inner casing. Recommend this well to be repaired by setting 45' of s.s. screen with 75' of 6" pipe with new screen being set opposite the existing screen. Treat well with acid and calgon. Surge and develop and run 24 hours pumping test. Well should produce approximately 200 GPM.

Estimated Cost: \$10,000



Static 17' 62 1813 130 Screre 191 Screen fill moterial

> 144005 : \$13405 007 506 6.0 184005 : \$13405 001 202-27 184005 : \$13405 05 102-27

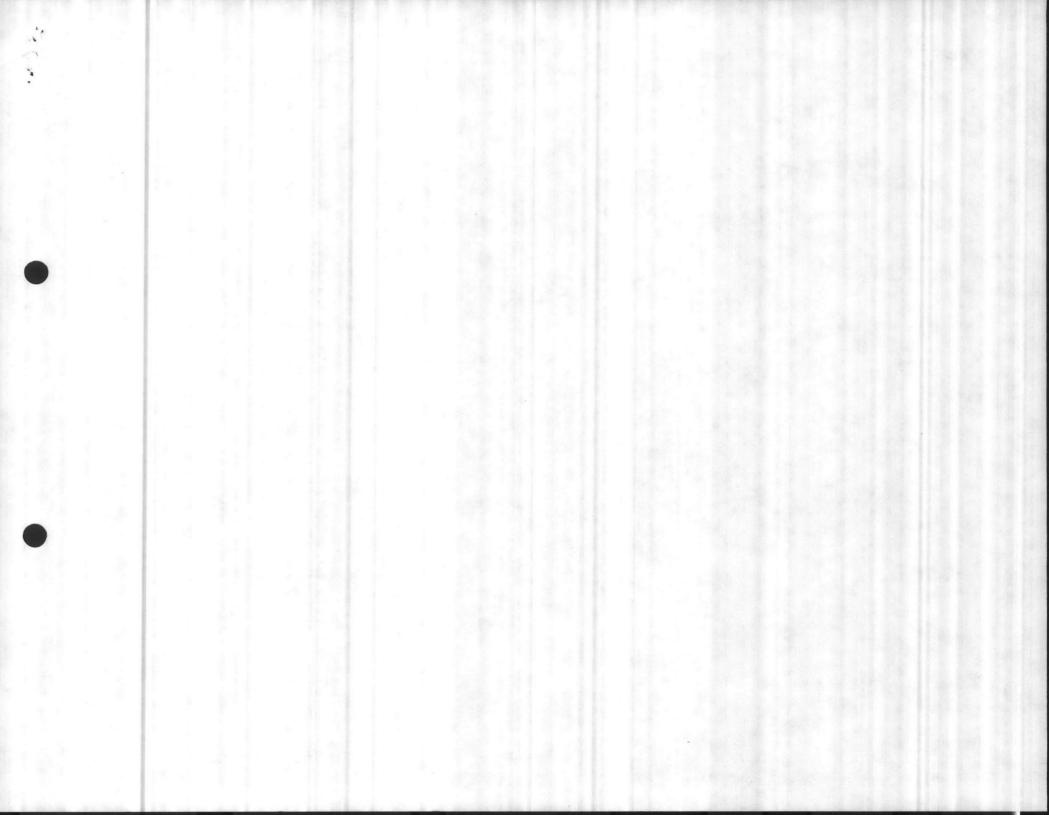


REPAIR WATER WELL - BLDG M-628

Well M-628 was installed in 1957. Subject well is an 8" gravel packed with an original total capacity of 150 GPM. This well has 23' of screen, set at the 43 to 66 foot level which has eroded very much and has some holes around the 50' level, allowing the gravel to enter the inner casing. Recommend the well be repaired by setting 25' of s.s. screen at the 42' to 67' level with a 3' section of 6" pipe capped on the bottom and a Figure K Packer 6 to 8 inches on top of screen to seal to 8" casing. Acid and calgon treat. Surge, develop, and run 24 hour pumping test. Well should produce approximately 125 GPM.

Estimated Cost: \$10,000





MCAS AS-110 Generator

tiligh 60 HP Classwell 15 Hp Spirato 75HP

2080 30 1770 RPM 60 cycle 2080/440136 1175 RPM 60 cycle 34 1770 RPM Surfacelles 30HP X 230U/460U)34 3450 RPM

Wash Wille 75HP * 2300/460 34 1185 PPM

Wash Water Volue 75 HP * 230 U 30 2100 RPM

* Not Required at same time as others.

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calculate local tohendle top 3. From: Director, Utilities Branch To: Director, Operations Branch

Subj: M-1 Contract Requirements

1. It is requested that a contract be procured to perform the following work:

Replace Boiler No. 58 (Building SH-8) including expansion tank, related piping valves and boiler breeching. Replacement boiler should be a fire tube, hot water boiler with capacity of 936,000 BTU/hr.

Justification: Boiler tubes have pitted to the extent that some are plugged and others have been welded. The tube sheets are also badly deteriorated. Existing boiler is 23 years old.

Estimated Cost: \$15,000

2. Due to the condition of this boiler, it should be replaced prior to the 83/84 heating season. Therefore, it is requested that the contract be awarded no later than early 1983.

F. E. CONF

Copy to: Shop 81 AATIIVAREANII 1600 1600 200

from Director, Otheres Branch.

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From: Director, Utilities Branch To: Director, Operations Branch

Subj: Additional M-1 Contract Requirements

Encl: (1) Replace Water Line, BA-138, back-up data

1. Enclosure is provided for inclusion in the M-1 contract requirements for FY 83.

F. E. CONE

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From: Director, Wallicies Branch
To Director, Openations Erzach

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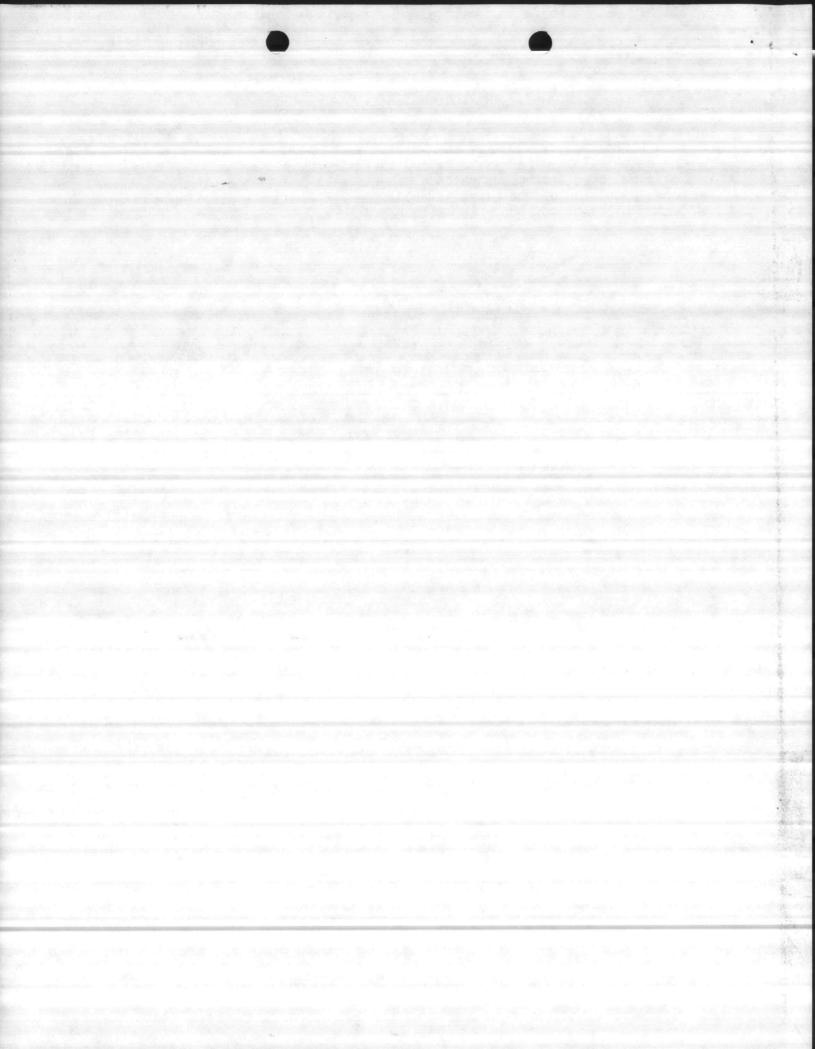
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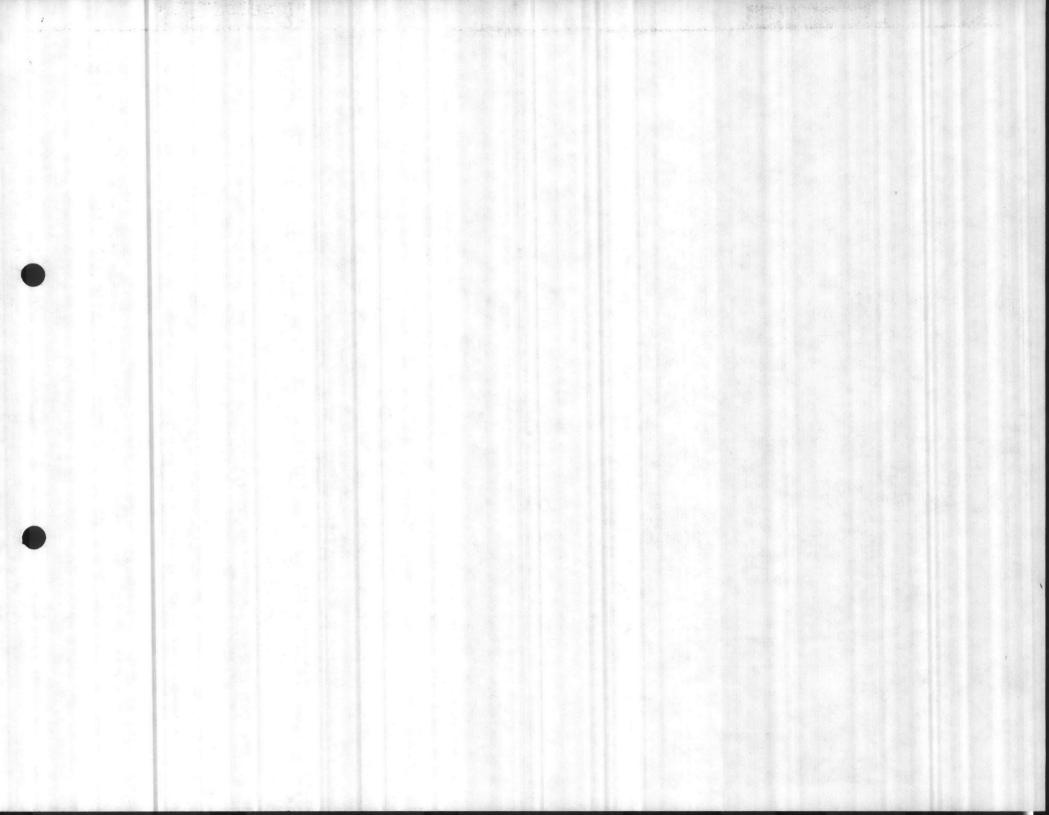
REPLACE WATER LINE - BA-138

Replace approximately 2700' of 10" water line from BA-138 to water tank #SBA-108 on the beach. This line was installed in 1943. Over the period of 39 years, the pipe has been broken and patched many times. Due to the corrosion and weakened condition of the pipe, it should be replaced with a suitable plastic pipe that will not corrode. See attached diagram.

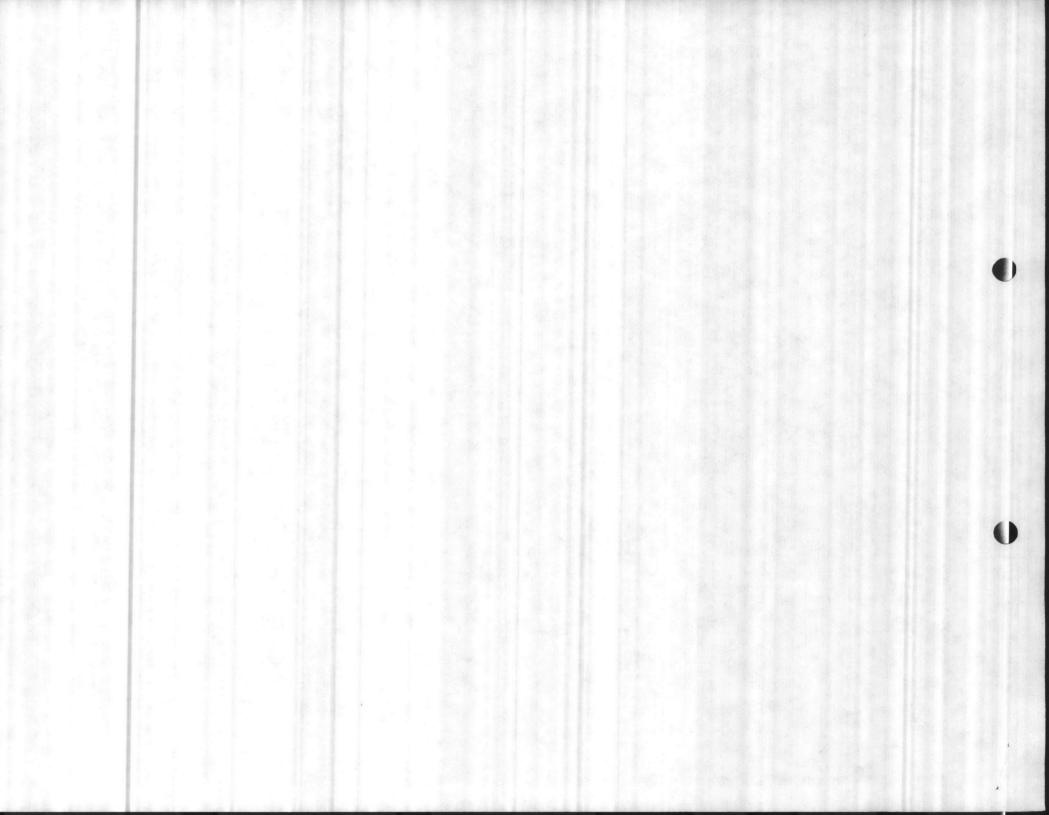
Estimated Cost: \$30,000

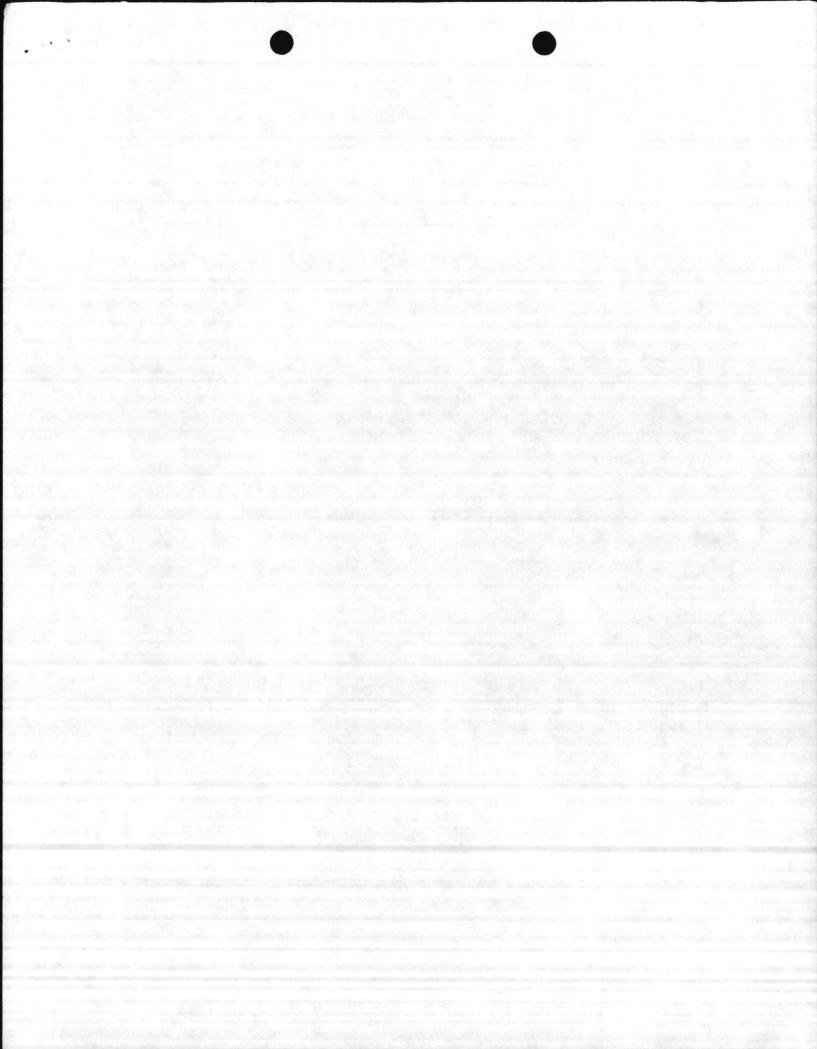


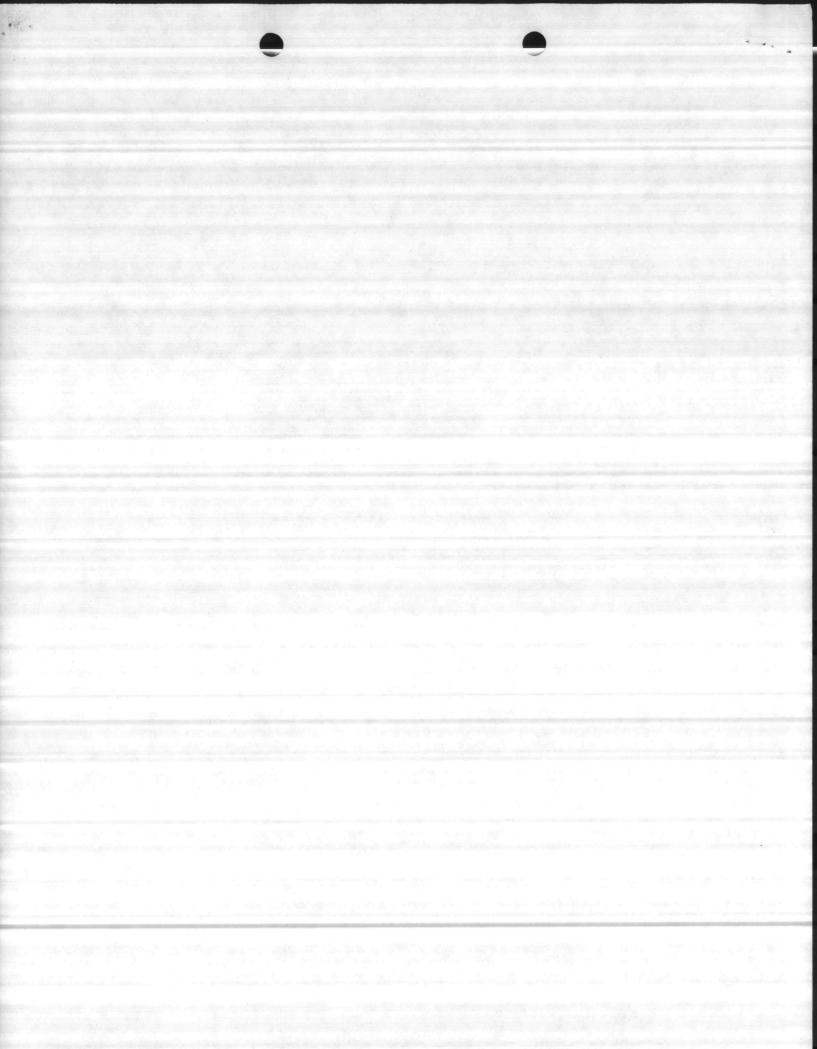
2200 To DISTRIBUTION 10" C.I. WATER MAIN NEW GATE VALVE) ONSLOW BEACH -WATER PLT. BA-138



500 ELEVATED TANK SEA-108







BASE MAINTENANCE DEPARTMENT

Marine Corps Base Camp Lejeune, North Carolina 28542

> MAIN/FEC/rn 11300 20 Aug 1982

From: Director, Utilities Branch To: Director, Operations Branch

Subj: Additional Contract Requirements

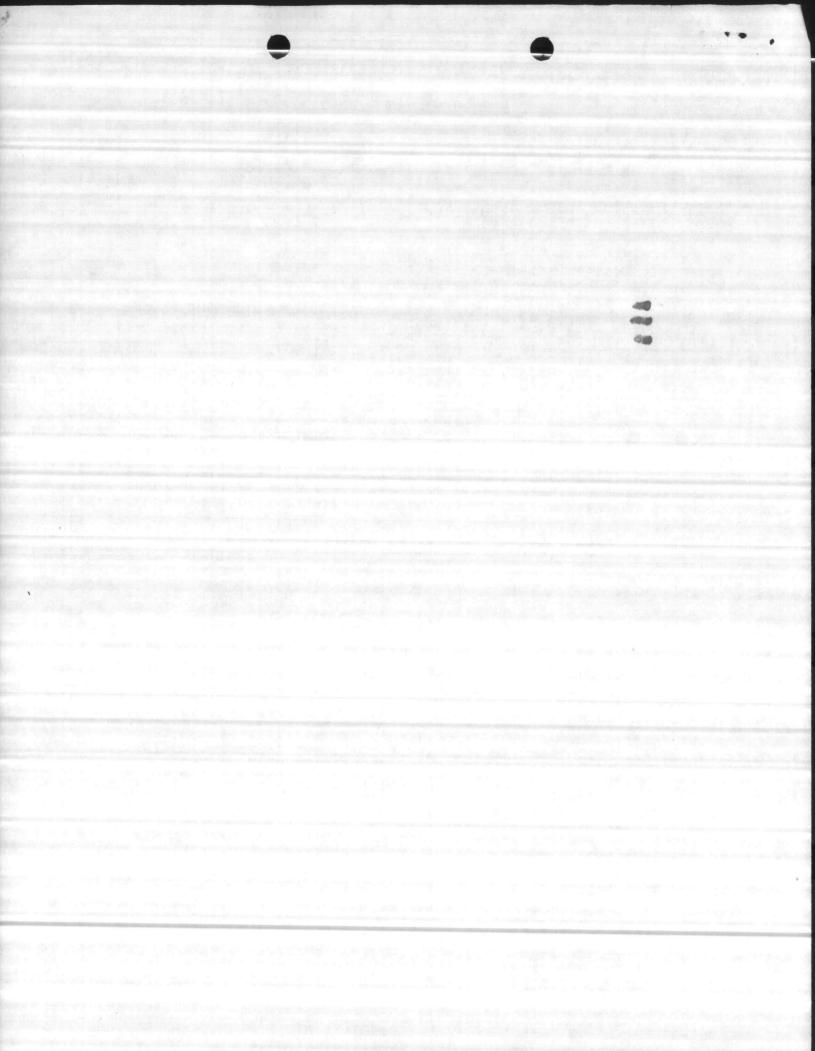
Encl: (1) M-2 Project, Replace Filter Underdrain System, Bldg 20 See M-2716

M-1 Project, Replace Six Steam Stop Valves, Bldg 1700 m-2 1700 Project

M-1 Project, Replace Boiler No. 88, Bldg 670 M-1 Project, Replace Boiler No. 22, Bldg 45

1. Enclosures (1) through (4) are provided for appropriate action.

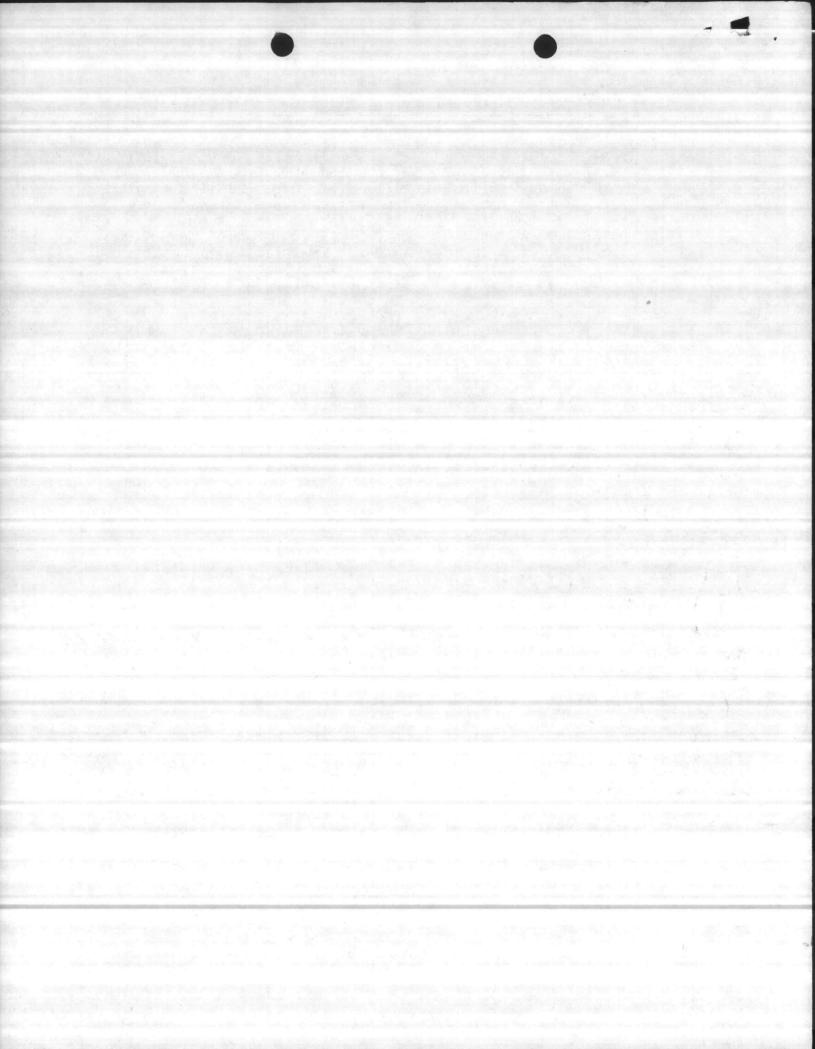
C. L. WETHERINGTON Acting



REPLACE FILTER UNDER DRAIN - SYSTEM B-20

The five rapid sand filters were installed in 1942, each having a capacity of one M.G.D. These filters have never filtered or backwashed evenly over the entire bed as they should. This allows the bed to mud ball, fusing the sand and gravel together and causing the water to channel around the bed. This results in high turbidity in finished water and frequent replacement of filter bed. These filters were rebuilt in 1975 but did not correct the problem. The filter under drain system should be replaced with a system and bed like the Racon system shows on the attached sheet. This would give an even backwash and filtration; longer filter runs with less backwash water.

Total Estimated Cost: \$200,000



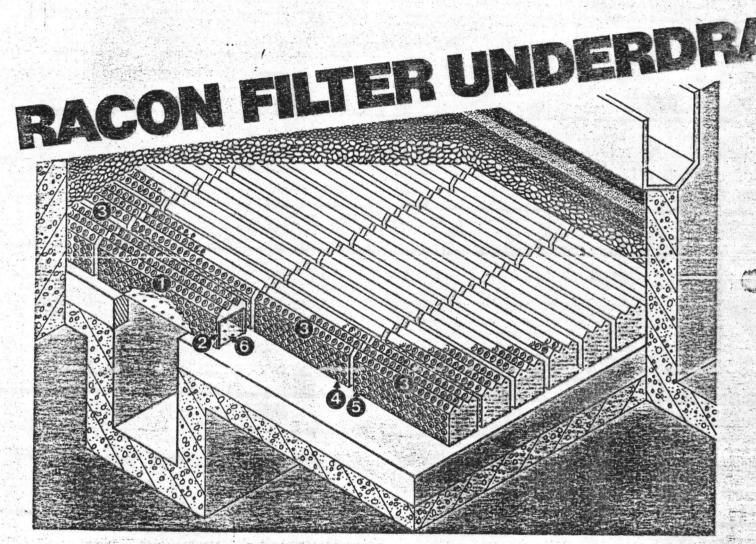
The only design that filters and backwashes over entire filter bed area.

The direct result of several years of intensive research and development, the RACON Water Filter Underdrain* is engineered and manufactured to meet the most stringent filtering and backwashing requirements. To this end, this new underdrain offers a combination of advantages provided by no other design.

Of special importance: The RACON is the only system that allows full use of the total filter area.

At the same time, its exclusive design and construction features make it the most economical filter underdrain on the market.

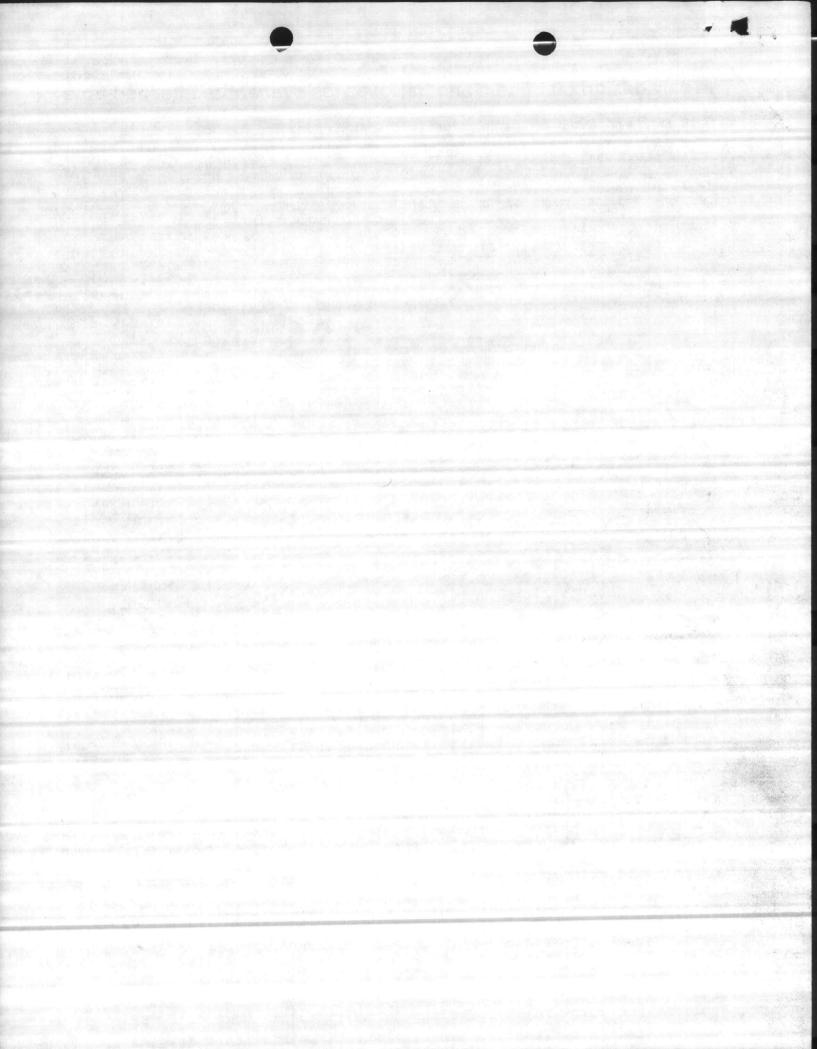
To suit the widest range of applications, the patented RACON System is furnished in standard sections of various lengths, or can be economically custom manufactured to suit any requirement—for both new installations, or to upgrade older systems.

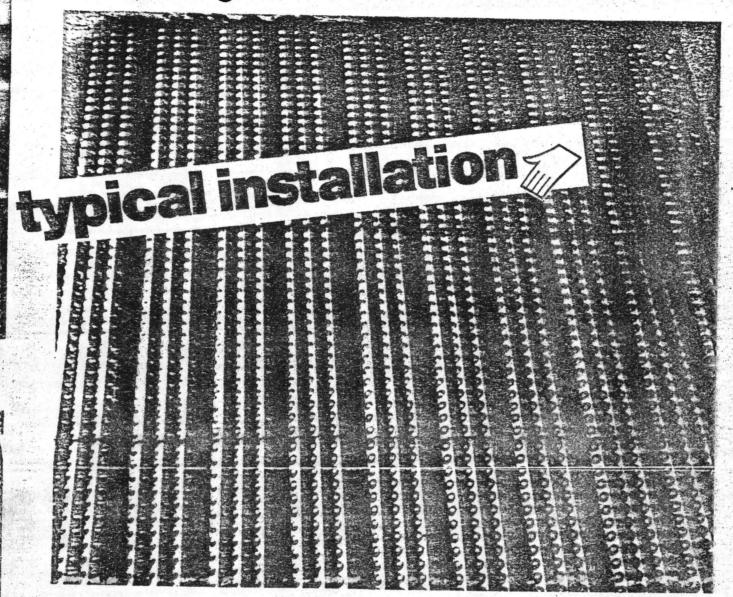


In the RACON System, the flume unit (1) is normally 48" in length, and is equipped with locking end plates (2) for connecting with adjoining sections (3), which are furnished in any specific length that may be required to fit the filter area.

All sections are 12" in height, 12" in width, flanged and have raised dimples (4)—each with a full-ported, unobstructed orifice (5).

In installing the system, the bottom plate (6) has a series of holes for grouting the connected sections in place. These are further secured by the grouting along the sides, which penetrates the dimpled orifices, assuring a firmly anchored filter bed.





After the underdrain sections have been positioned and connected by a locking arrangement to form a continuous lateral that is in alignment, they are grouted to hold them firmly in place.

The first level of 2½" gravel is hand placed on the angled underdrain surface between the dimples in such a way that there is no blockage of the orifices. The next layers of gravel are added and leveled with a hand rake or level board. Of importance is the fact that the dimples are spaced so that the large gravel cannot rest on them, thereby ensuring 100% filtering and washing of the sectional grout lines.

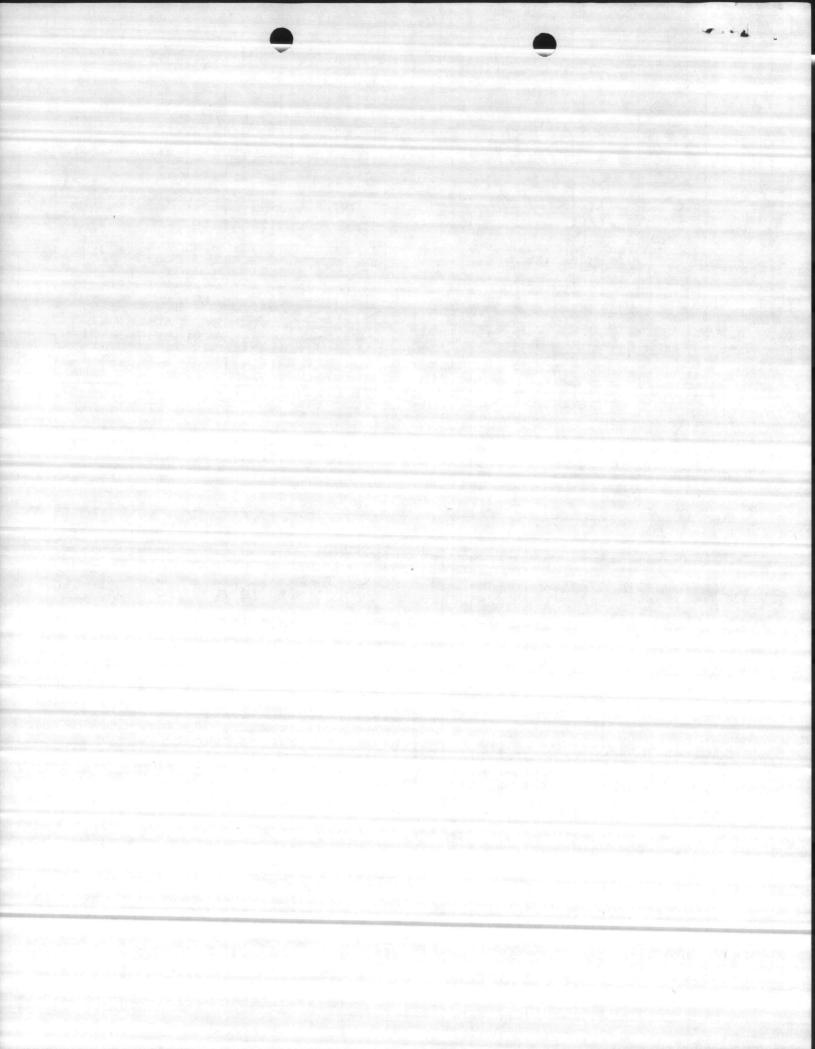
The illustration indicates the size and depth of gravel and other filter media used for a typical installation. However, this can be varied to meet any specific requirement.

Anthracite coal—18"-30" to suit requirements

Sand—12"

1 mm to 2 mm gravel: depth—3"
½" to 3" gravel: depth—3"
½" to 1" gravel: depth—3"
2½" gravel: depth—4"

RACON Underdrain: 12" height

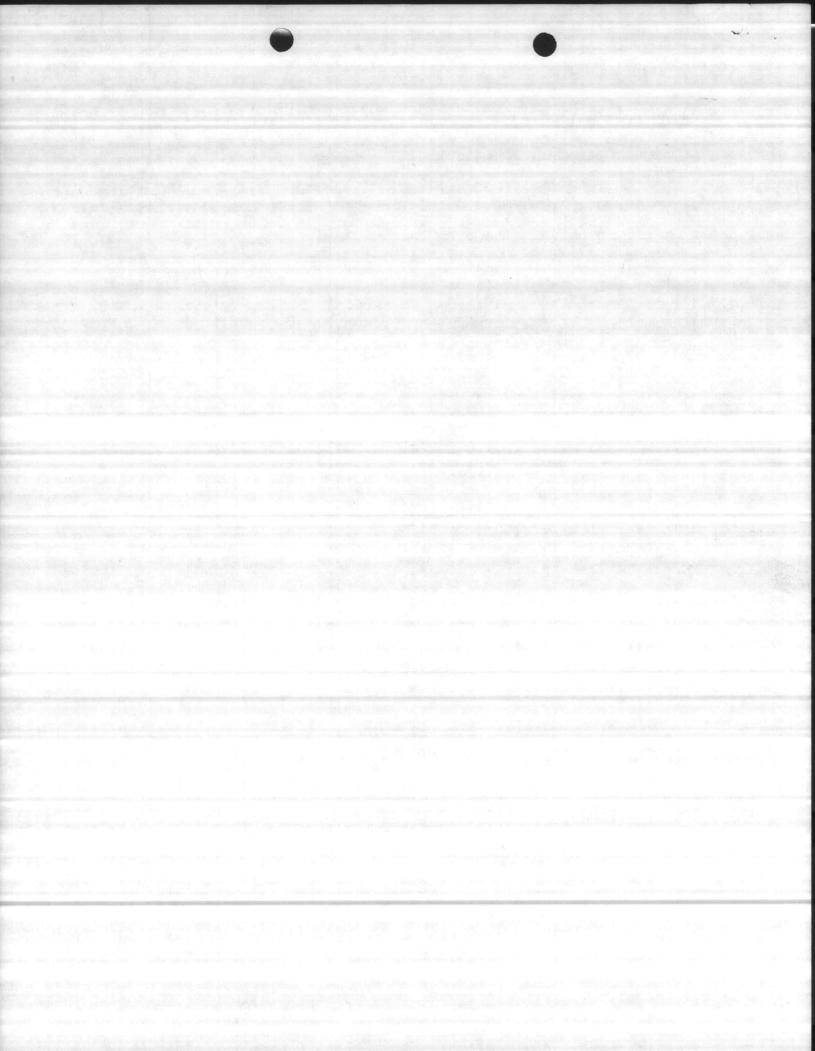


Replace Six Steam Stop Valves - Building 1700

1. Project is located at Building 1700.

Provide and replace six Steam Stop Valves, Gate, Rising Stem - Cast Steel 300 PSI steam. (2 ea - size 8") (4 ea - size 12"). These valves are located on the main steam header. They are worn to the extent it is impossible to isolate the boilers for repairs due to valves leaking.

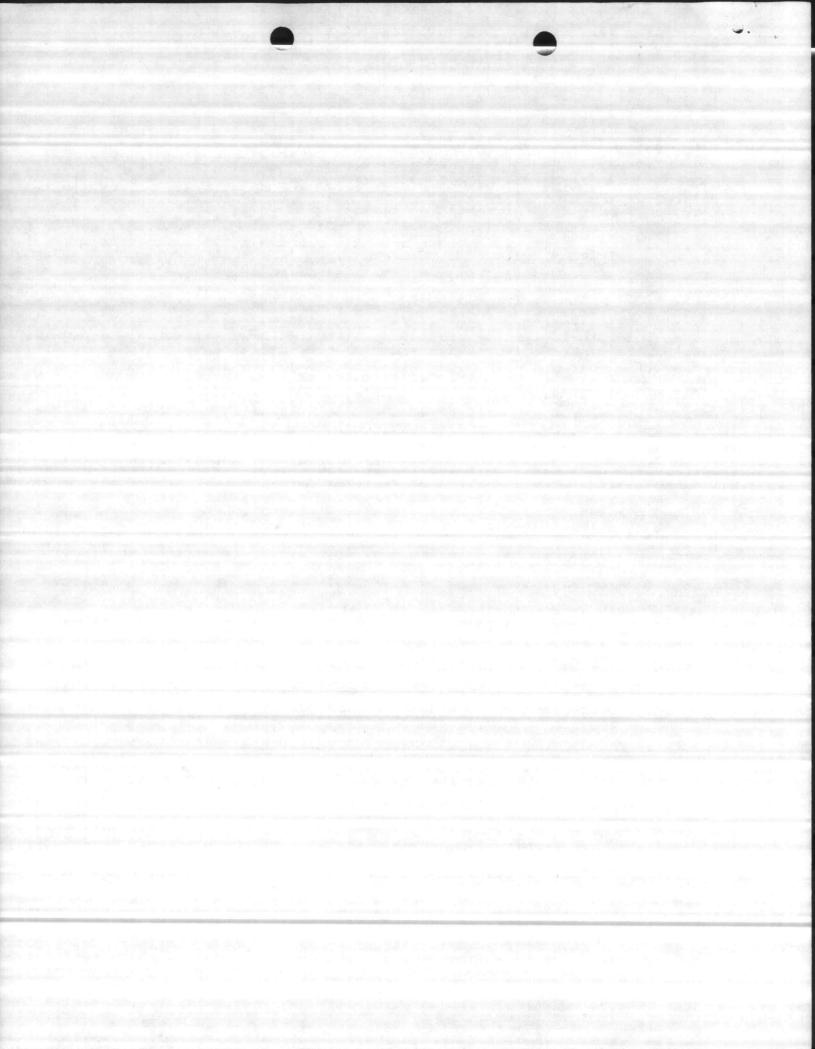
Estimated Cost: \$70,000



Replace Boiler No. 88 - Building 670

1. Project is located at Building 670. Provide and replace #88 Boiler. This unit has been retubed and the tube sheet has deteriorated to the point of needing to be replaced. Boiler capacity 502,076 BTU per hour. Type - Fire tube.

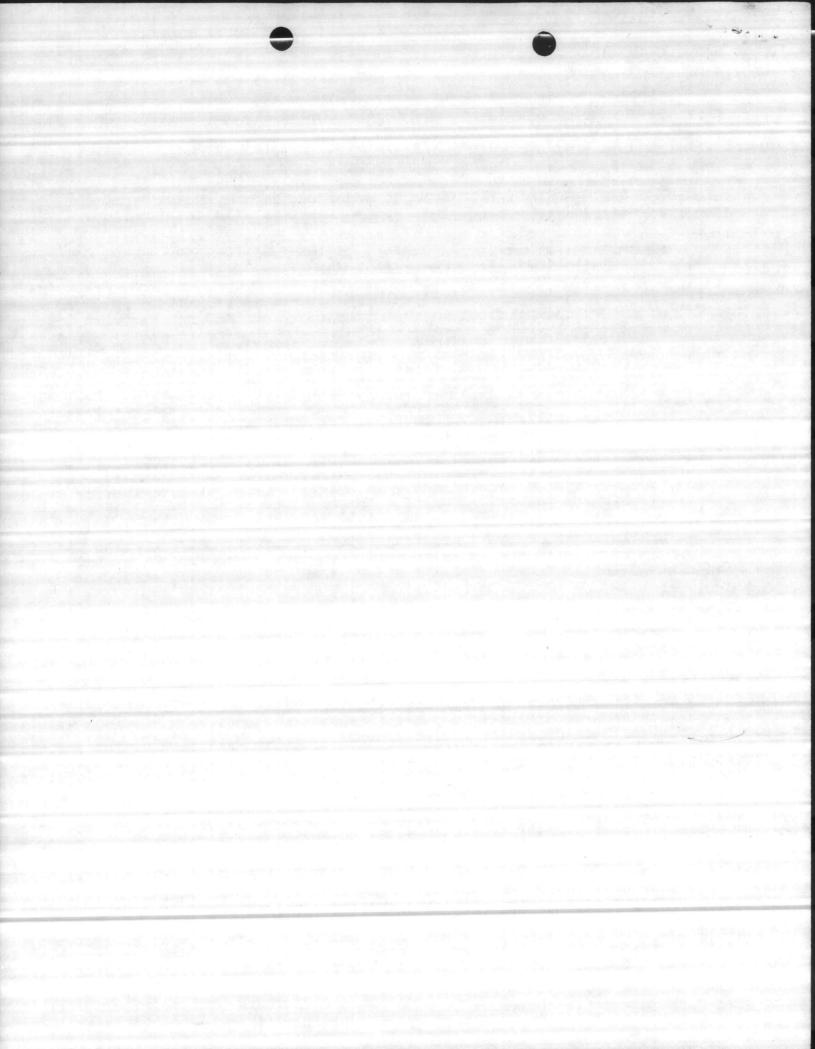
Estimated Cost: \$16,000



Replace Boiler No. 22 - Building 45

1. Project is located at Building 45. Provide and replace #22 Boiler pumps, valves, and piping. This boiler is 30 years old and has heavy pitting on tubes. Boiler size needs to be increased due to present boiler being fired at maximum to keep building warm. Also this boiler has been retubed two times. Boiler capacity 836,800 BTU per hour. Type - Fire tube.

Estimated Cost: \$25,000



From: Director, Utilities Branch To: Director, Operations Branch

Subj: FY 83 M-1 Contract Requirements

Encl: (1) List of FY 83 M-1 Contract Requirements

- 1. A list of contract requirements for FY 83 accomplishment is provided by the enclosure. This list represents contract requirements that can be identified at this time. It is anticipated that additional contract work will be required. These additional requirements will be forwarded upon identification.
- 2. M-2 contract requirements for inclusion on the BMAR will be provided in the near future.

C. L. WETHERINGTON Acting Soft Turbas 1

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LIST OF FY-83 M-1 CONTRACT REQUIREMENTS (LESS THAN \$75,000)

STEAM GENERATION SECTION

1. Project is located at Building M-625. Project is to provide and replace condensate receiver tank, valves, float controls and alarms.

COST: \$20,000

Justification: Tank has excessive pitting and has been patched to the point it is not reliable for steam plant operation.

2. Project is located at Building M-230. Project is to provide and replace oil burners on #38, #39, and #40 boilers.

COST \$70,000

Justification: Burners are worn with no repair parts available.

3. Project is located at USO. Project is to provide and replace Boiler #61.

COST: \$15,000

Justification: Cast iron sections have deteriorated to the point the heat passes are short circuited causing a very low efficiency.

WATER/SEWAGE SECTION

1. Repair deep well, Building M-628. Cancel - To be done on Fy 82 COST: \$30,000

Justification: Well was installed in 1957 with a capacity of 150 GPM. The well screens has collapsed and filled casing with gravel. This well should be repaired by removing gravel and inserting a smaller screen, casing new gravel and a new pump.

2. Replace mechanical equipment in two primary tanks, Building 22.

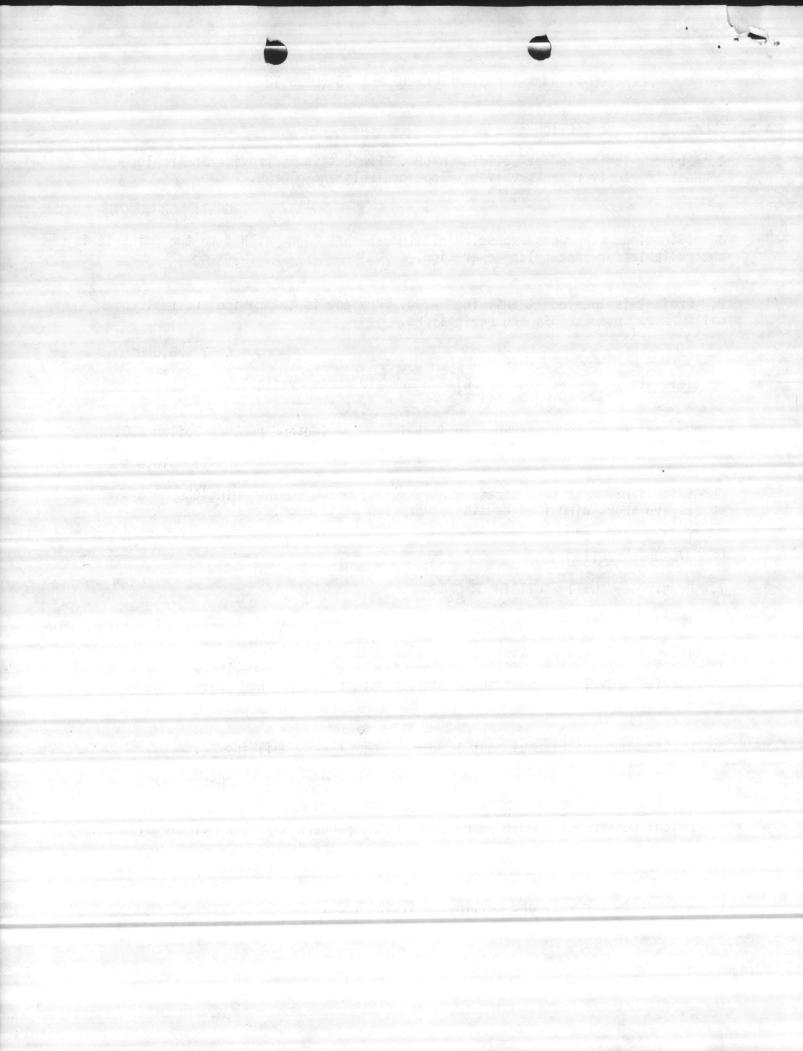
COST: \$70,000

Justification: The equipment in these two tanks has worn out in service beyond economical repair and should be replaced with a modern type long life equipment.

COLD STORAGE PLANT

1. Paint interior wall and ceiling, Building 1300.

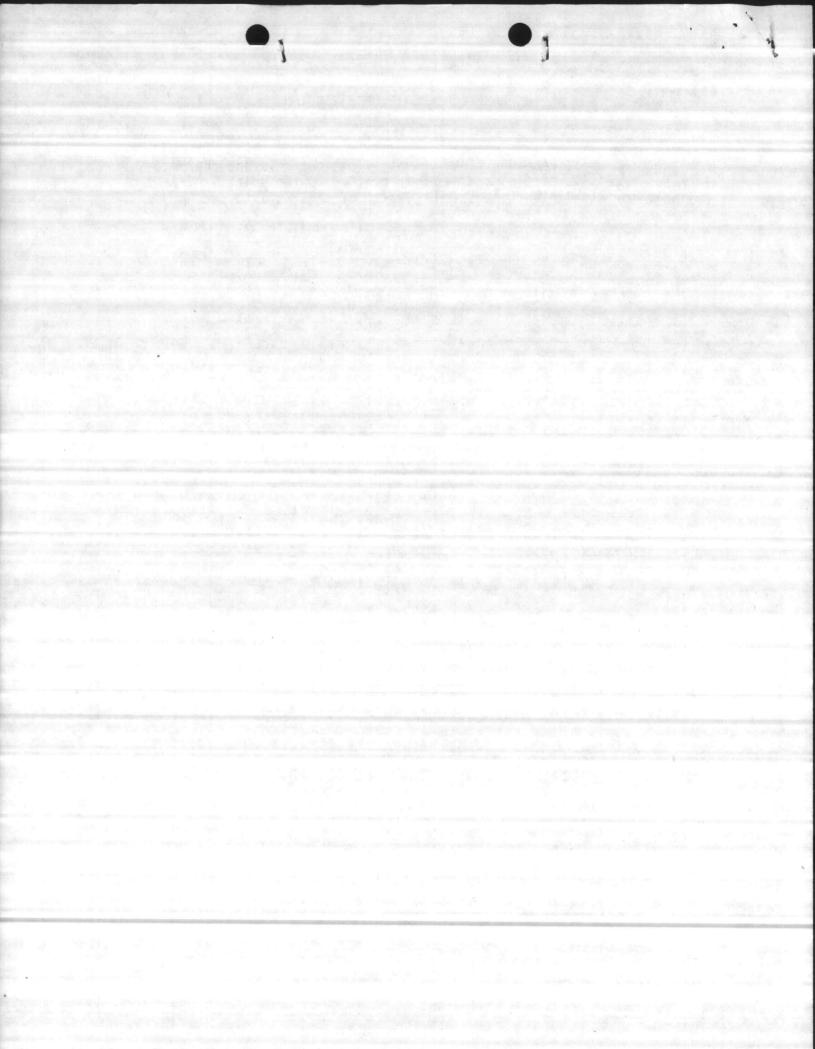
COST: \$30,000

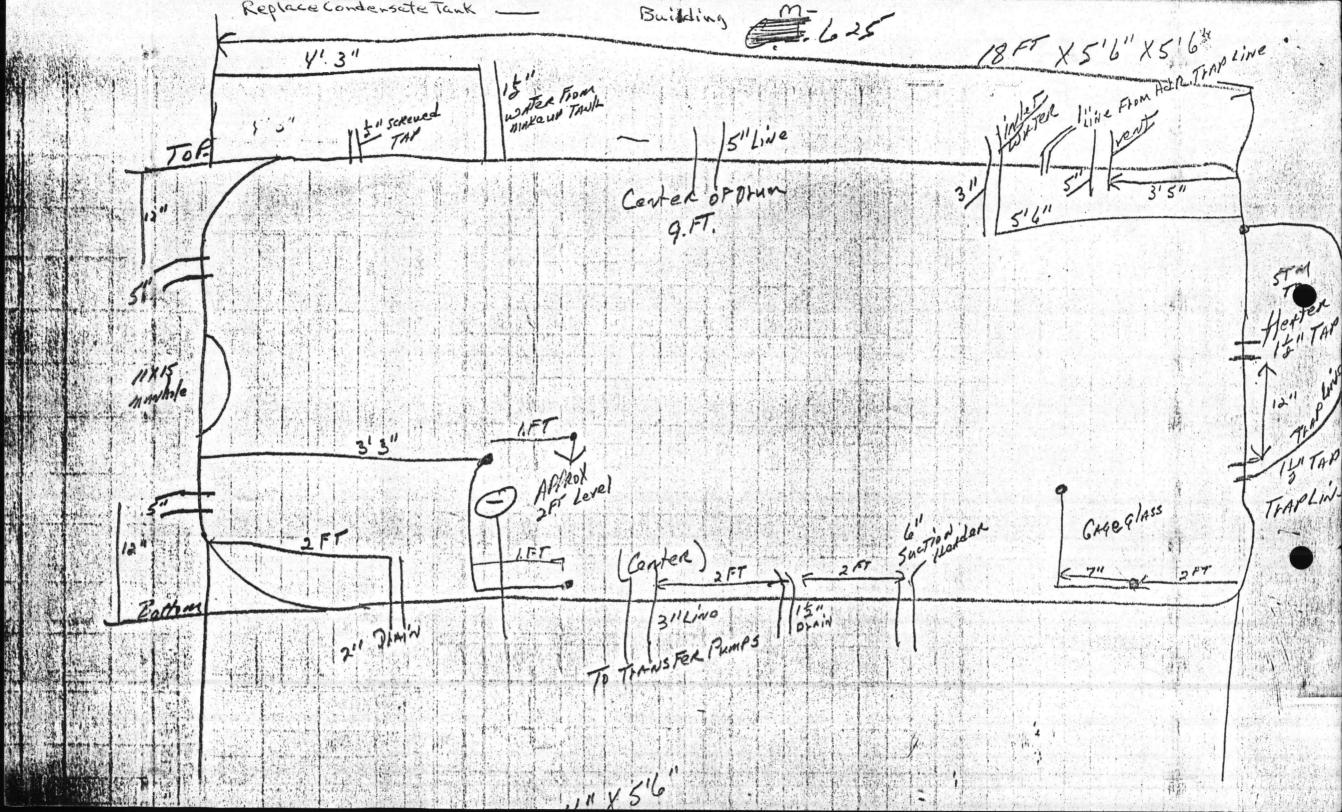


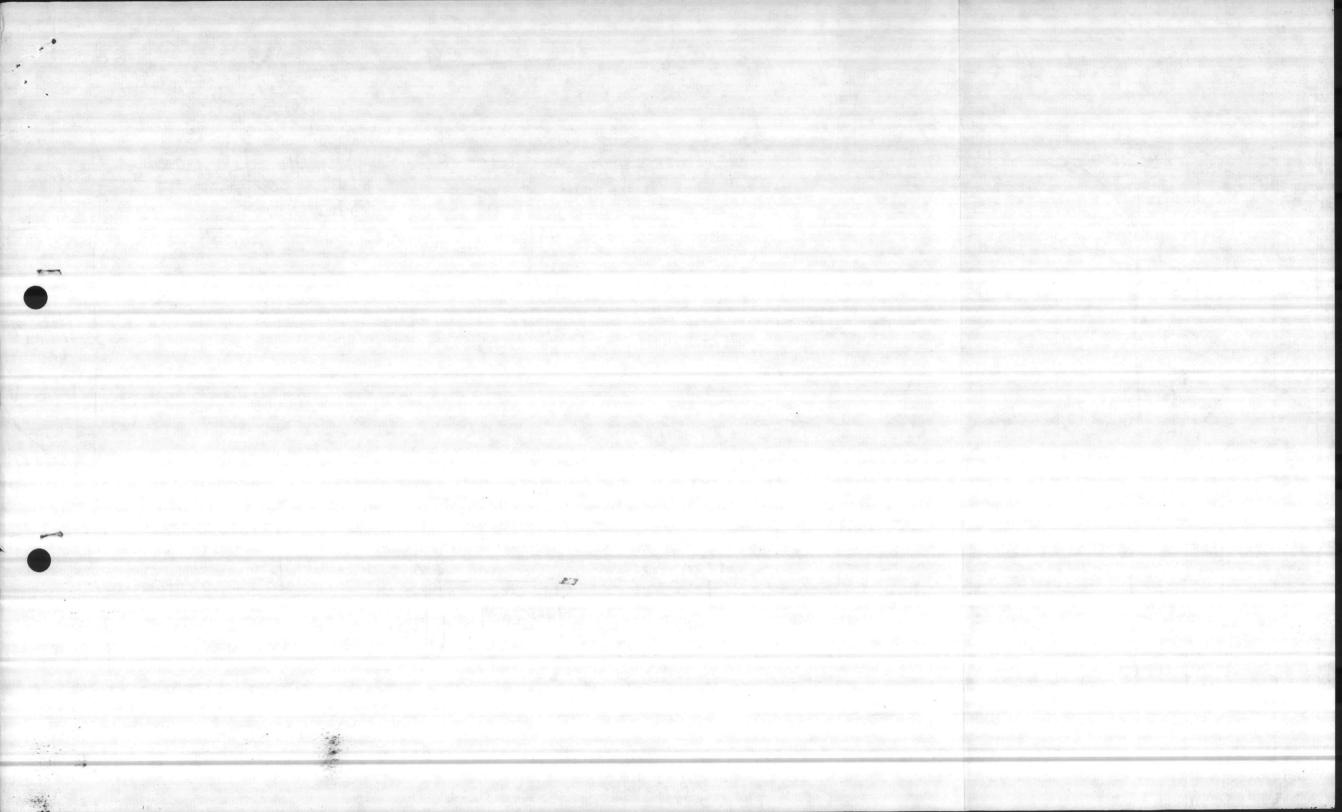
REPLACE CONDENSATE RECEIVER TANK BUILDING M-625

Replace condensate receiver tank, valves, float controls and alarms. Tank has excessive pitting and has been patched to the point it is not reliable for steam plant operation. Sketch of tank is attached.

Est. Cost \$ 20,000







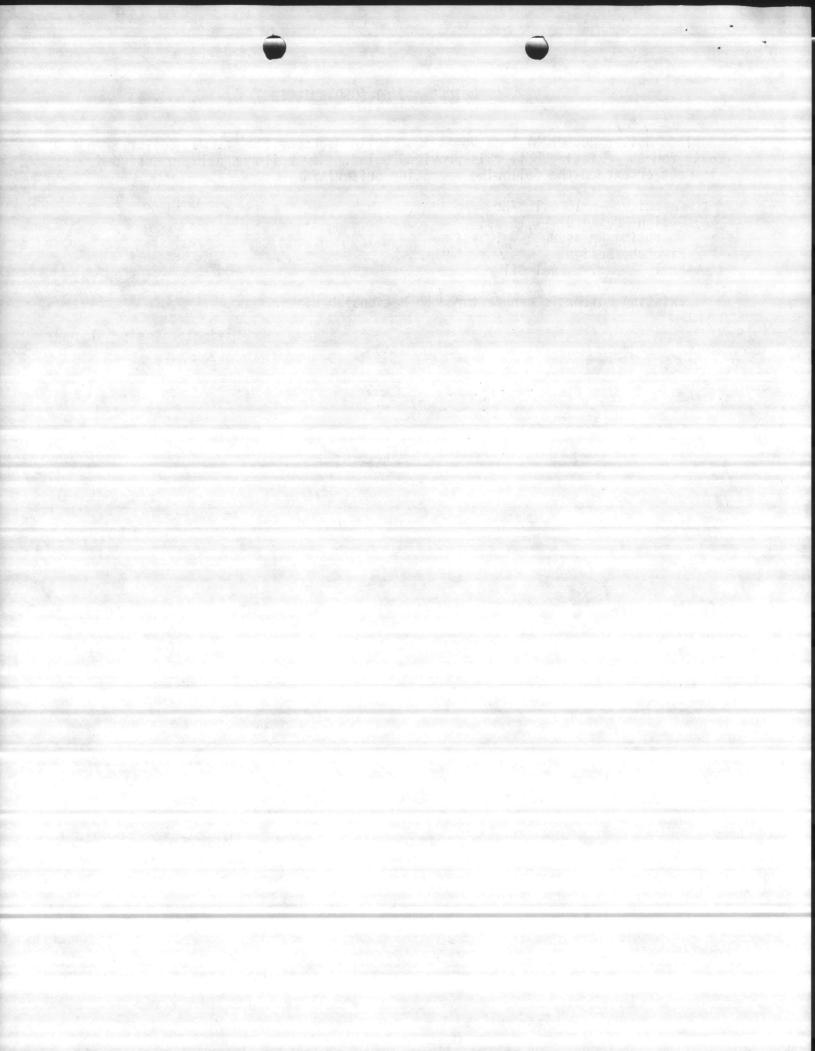
REPLACE BOILER NO. 61 (USO BUILDING)

Replace Boiler Number 61 located at the USO in Jacksonville, N. C. Boiler data for the existing boiler is provided below. New boiler should be designed to meet or exceed the following operating criteria:

Capacity - 1000 lbs/hr Design Pressure - 15 psi Operating Pressure - 10 psi Firetube Design Fuel - No. 2 Fuel Oil

Existing boiler is manufactured by National Radiator Corp.

Estimated Cost: \$15,000



REPLACE OIL BURNERS BOILER NUMBERS 38, 39, and 40 BUILDING M-230

Replace the burner on each of three boilers (#38, 39, and 40) located in Building M-230. Burners should be gun nozzle, air atomizing type. Boiler data for the three boilers is provided below:

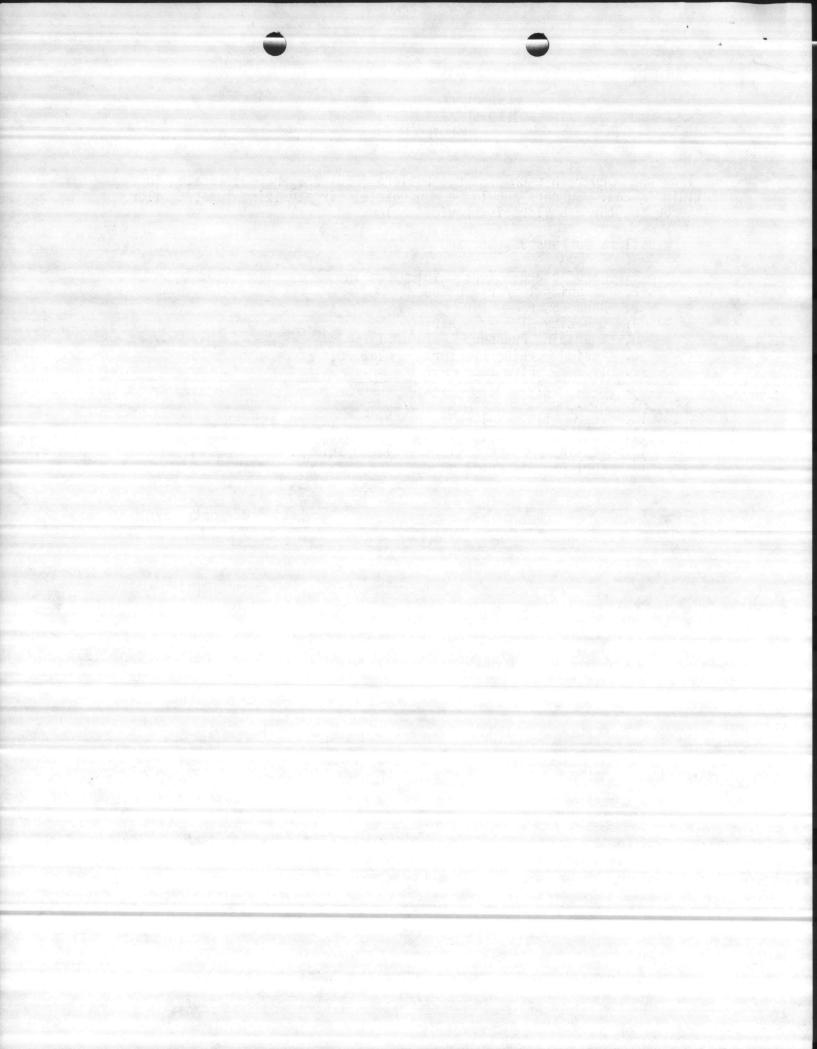
Boilers Numbers 38, 39, and 40

Manufacture - York Shipley Company

Capacity 1bs/hr - 6,486

- 3.
- Horsepower 200 Capacity BTU 9,250,000 4.
- Operating Pressure 50 PSI 5.
- 6. Design Working Pressure - 150 PSI
- Type Fire Tube 7.
- Mfg. Serial 63-S242-H-30038 Mfg. Model SPH188-6 97209 Year BUilt 1963 8.
- 9.
- 10.
- 11. Year Installed 1963
- 12. Heating Surface Boiler 1,254 sq. ft.
- 13. Fuel 0il No. 2

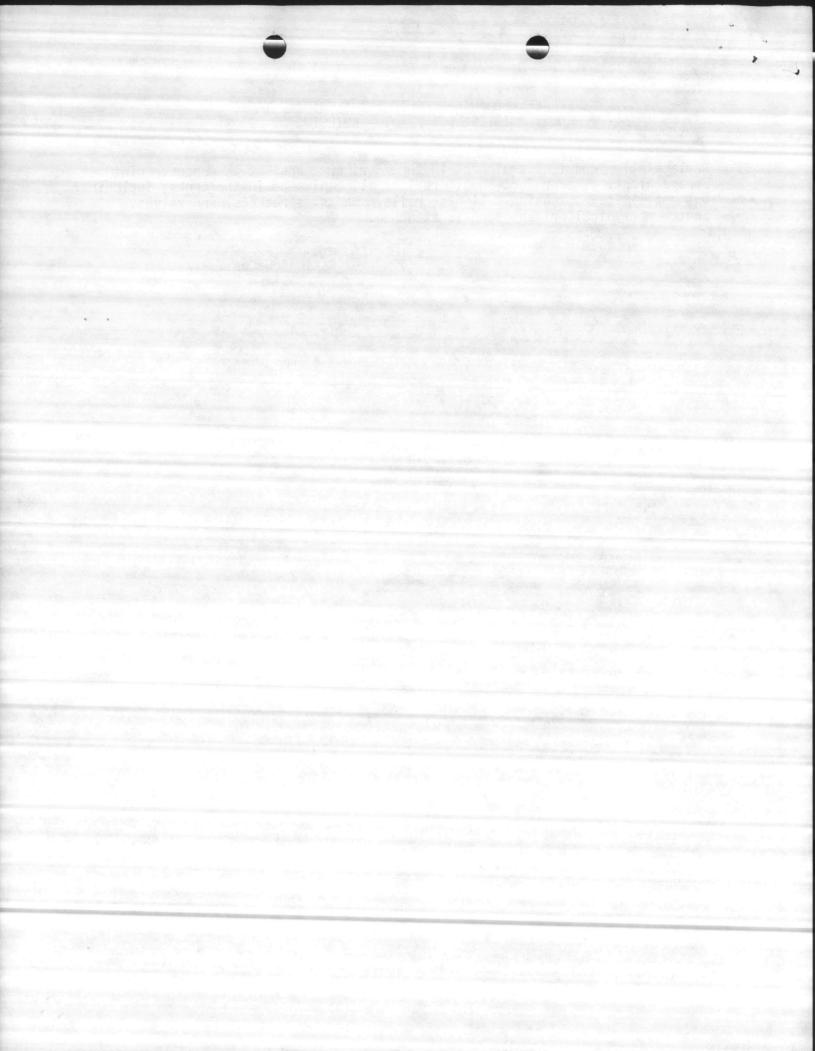
Estimated Cost: \$70,000

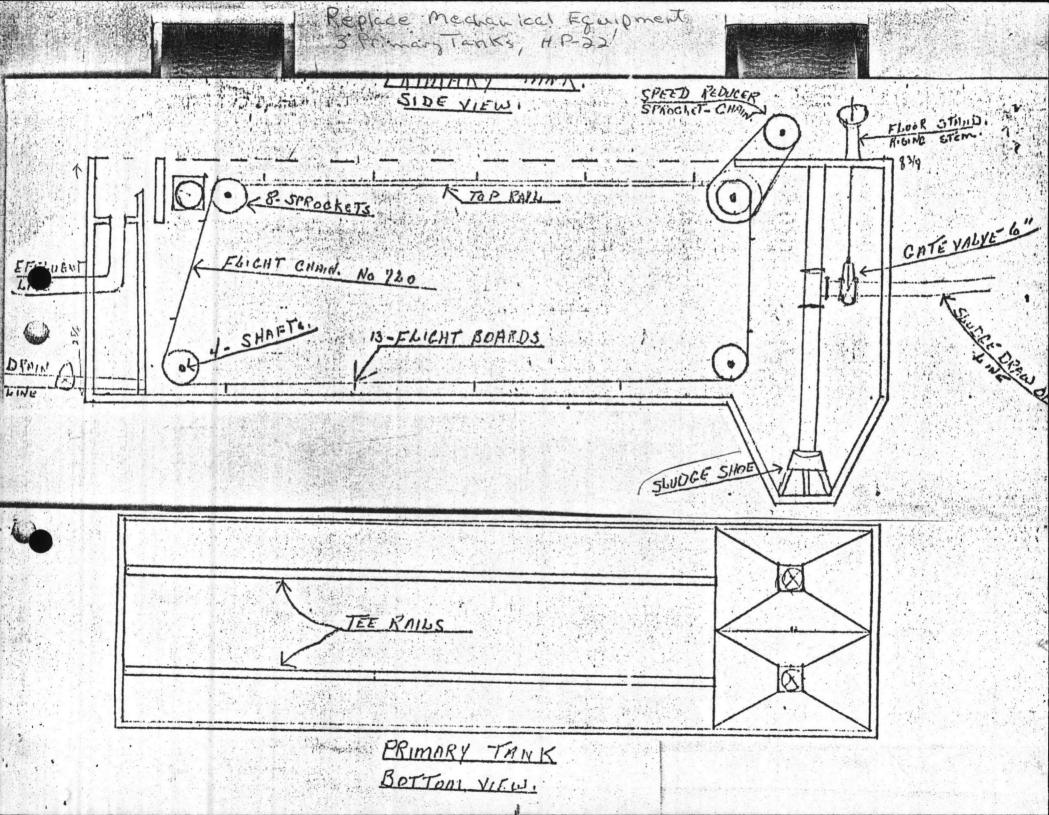


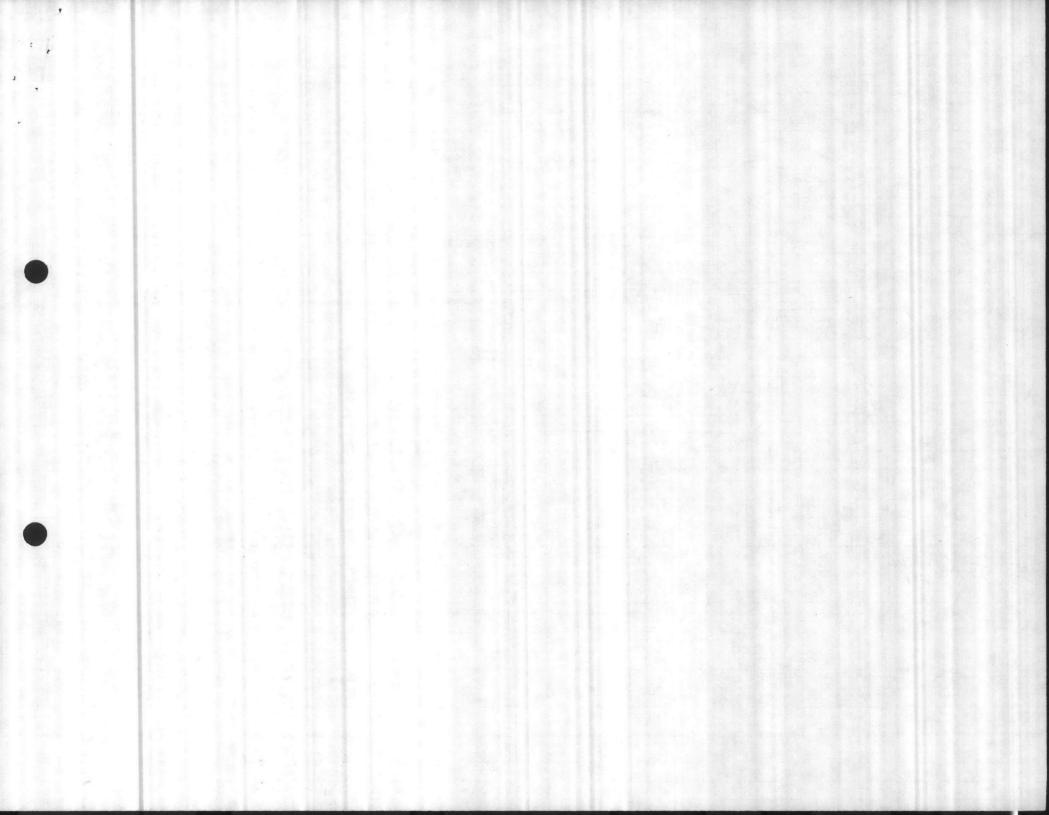
REPLACE MECHANICAL EQUIPMENT - PRIMARY TANKS HADNOT POINT SEWAGE PLANT - BUILDING HP-22

Replace all mechanical equipment in three primary tanks at the Hadnot Point Sewage Plant. The project should replace all equipment in the tanks, including, but not limited to chains, flights, rails, shafts, sprockets, and valves. Sketch of typical primary tank is attached.

Estimated Cost: \$70,000



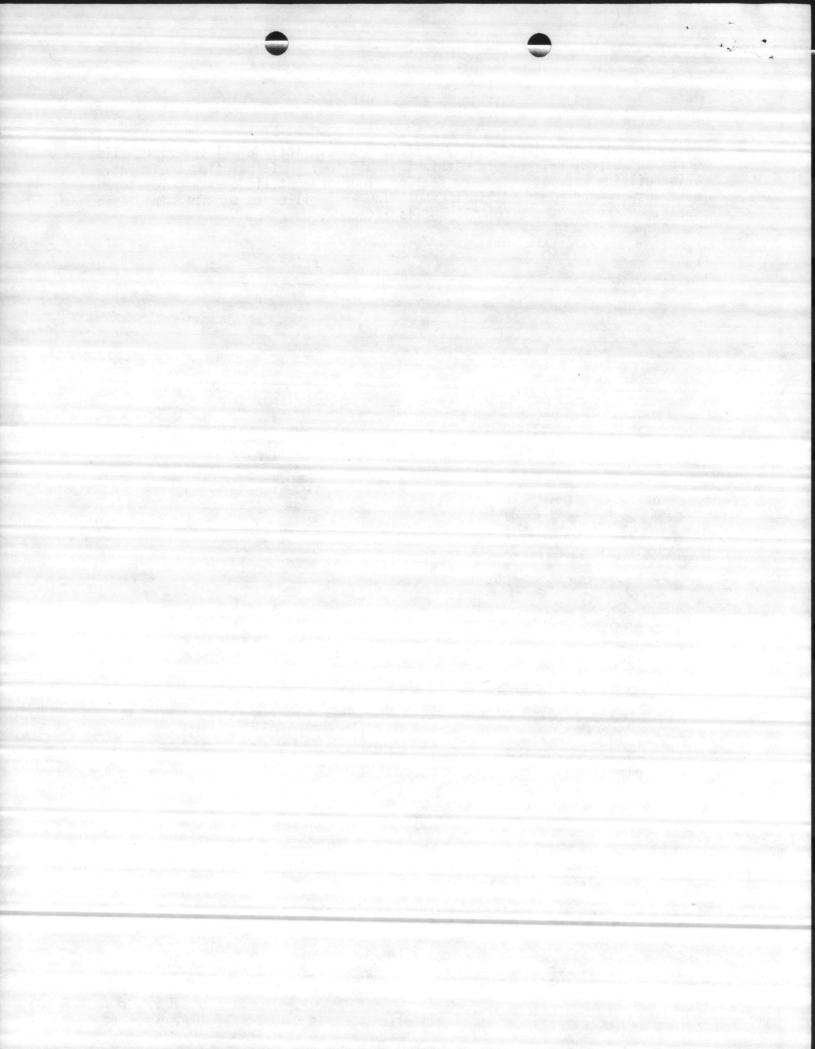




INTERIOR PAINT - BUILDING 1300

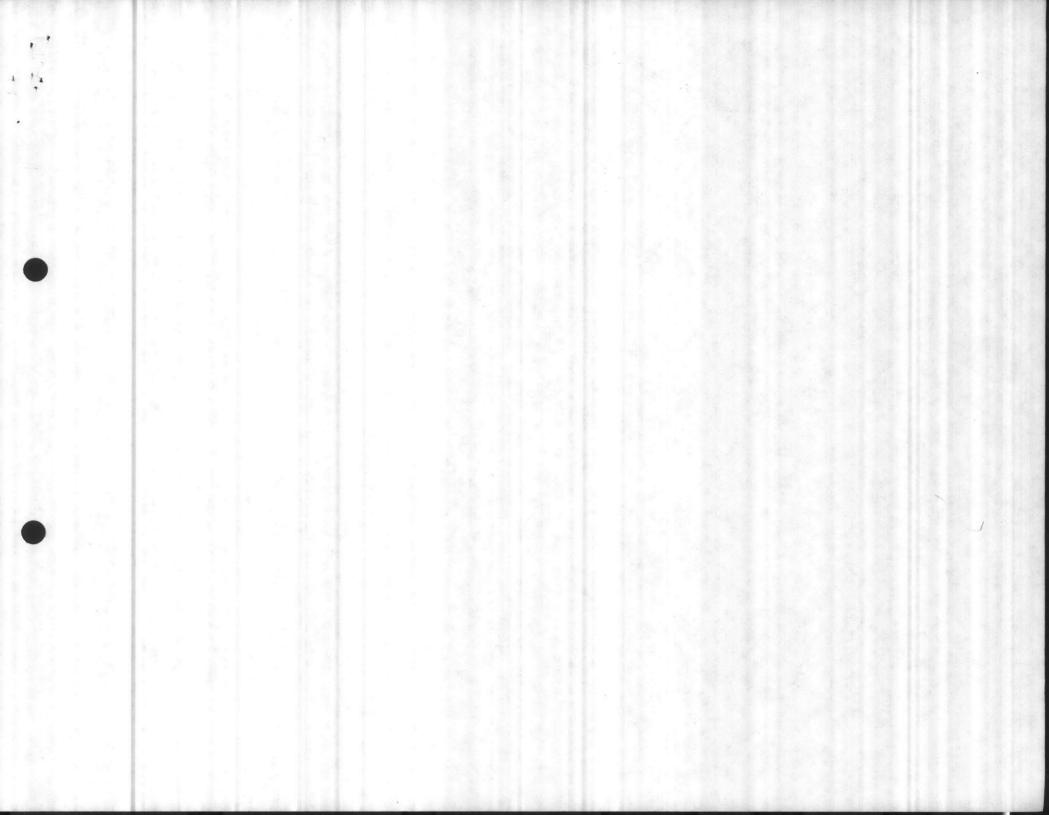
Paint interior of Building 1300. Painting should include all interior walls, doors and structural members within the building. Omit painting equipment. This building has 45,120 square feet of floor area utilized as a cold storage warehouse. Many rooms within the building are chilled to sub-freezing temperatures. A sketch of the room layout is attached.

Estimated Cost: \$30,000



SHORTNING #25	CHEESE REC. #26 BY Passed Refni	ICE TANK	CFFICE	WARM UP ROOM	. (L	FRCZEN MEATS #15	-, r	FROZEN VEGETABLES #5
562DIUM AM #24	SODIUM BEEF &			ICE		180-22	1	BY Passed
36'_ 38' [JELLY:	WEAL #19 BY Passed	MACHINE ROC	M	OFF CREAM #16 AMMONIA		CALCIUM .	47) *1.5669	FRESH FRUITS
SODIUM EGGS #22	18°- 21°			SEA FOOD #13 -3-+5	5	FROZEN VEGETABLES #14 - 3 * + 5 *		CALCIUM
34- 38° SODIUM			ICE STORAGE	F-22 CHICKEN #11		FA2 FROZEN MEATS		BANANA ROCM #3
EGGS #21 34°- 36° F	SOPIUM	ICE ISSUE	#16 SODIUM	-3-45		#12 -3°-+5°		CALCIUM VETS
Sobjum ISSUE SALES OFFICE COMM.	STAGING AREA	24 29	24.27	BUTTER #10	Rinor	FRESH VEGETABLES	Cor Ran	OFFICE INSPECTION HEAL
HEAD LOCKER	BY PASSED	SODIV M	L	-3-+5 F-77		#2 36-40		

WEST SIDE.



MAIN/FEC/rn 11300 6 Apr 1982

From: Director, Utilities Branch
To: Director, Operations Branch

Subj: Additional contract requirements

Encl: (1) List of Additional contract requirements

1. It is requested that the projects listed in the enclosure be forwarded to Public Works for development of plans and specifications.

F. E. CONE

Copy to:

All work on this letter

To be eccomplished as M=2 projects

5-650- \$77,000

m-625- 187,000

early rectument to make the strategic

Project (1) Link of Additional compress rubuskenes (2) Links

First out of recovered this the projects sitsted in the enclosure be reversed. It can be reversed as

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107

Item 6:

Project is located at M-625 Heating Plant. Project is to provide and replace steam flow and header pressure meters, orifices and piping for three boilers.

<u>Justification:</u> Meters are worn and obsolete with no repair parts available. Correct flow measurement is necessary to determine evaporation and correct loading of boilers and systems.

Estimated Cost: \$32,000

Item 7:

Project is located at M-625 Heating Plant. Project is to replace deteriorated boiler refractory and insulation.

<u>Justification</u>: Boiler refractory and insulation have deteriorated to the extent that desired boiler efficiency cannot be obtained.

Estimated Cost: \$25,000

Item 8:

Project is located at Building 1700 Heating Plant. Project is to repair or replace deteriorated steel window frames, closures, and seal cracks.

<u>Justification</u>: The existing steel windows have deteriorated from the environment of coal dust and boiler flue gas. The grouting has fell out from under windows due to the vibration of the plant.

Estimated Cost: \$20,000

Item 9: Cancel

Project is located at Building 1700 Heating Plant. Project is to sandblast, prime and paint one 175,000-gallon oil tank. 5-1735

<u>Justification:</u> Oil tank is rusted from soot and flue gas environment of the boiler plant. If not corrected at this point, could lead to extensive pitting of the oil tank.

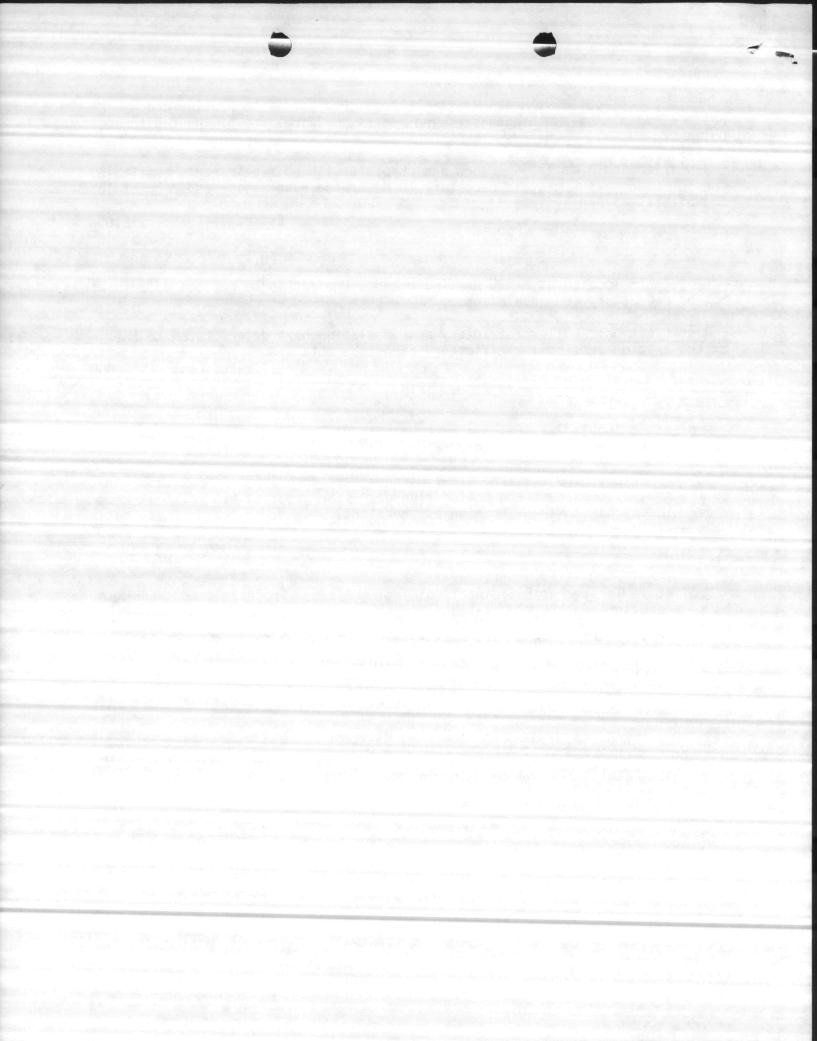
Estimated Cost: \$12,000

Item 10:

Project is located at M-625 Heating Plant. Project is to provide and replace duplex oil pumping station and oil heaters.

<u>Justification:</u> Existing oil pumping station will not deliver capacity necessary to operate at maximum capacity. Pumps are obsolete and worn with no repair parts available.

Estimated Cost: \$30,000



Item 1:

Project is located at Building 1700 Heating Plant. Project is to provide and replace blowdown lines on five boilers from the blowdown valves to and including the blowdown tank and tank vent line.

<u>Justification</u>: Lines and tank have been patched, have thin spots, and have deteriorated beyond repair.

Estimated Cost: \$40,000

Item 2:

Project is located at Building 1700 Heating Plant. Project is to provide and replace flash tank and heat exchange to include piping.

<u>Justification</u>: Flash tank, heat exchanger and piping has deteriorated beyond repair. Has been patched numerous times in the past.

Estimated Cost: \$35,000

Item 3:

Project is located at G-650 Heating Plant. Project is to provide and install pneumatic controls and positioners on three boilers.

<u>Justification:</u> Controls and positioners are worn out with no repair parts available. Due to this problem boiler efficiency has decreased.

Estimated Cost: \$45,000

Item 4:

Project is located at Building 1700 Heating Plant. Project is to provide and replace insulation on five boilers, all auxiliary equipment, and all steam and water lines.

Justification: Insulation has cracks, holes, etc. from deterioration and necessary maintenance removal. Complete and proper insulation is necessary to prevent heat loss for better efficiency and prevent safety hazards. Loose or ragged insulation creates dust and hazardous environment for plant personnel.

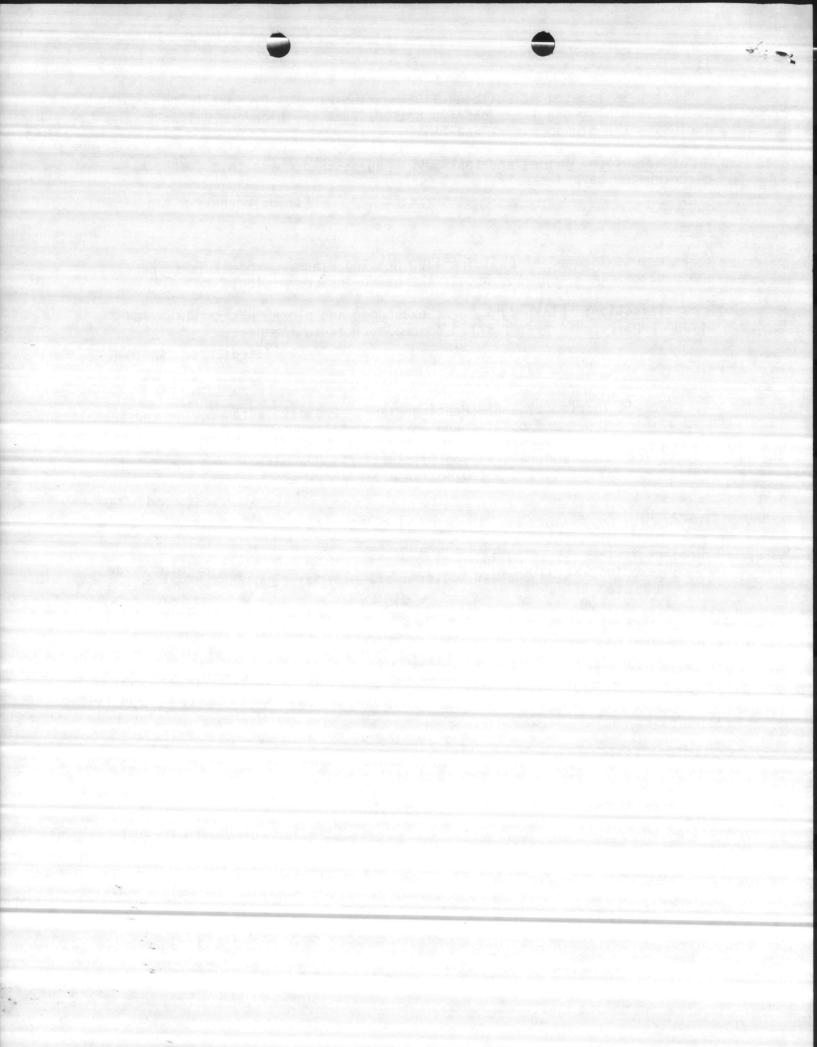
Estimated Cost: \$49,000

Item 5:

Project is located at G-650 Heating Plant. Project is to provide and replace four steam flow meters, orifices, and piping.

<u>Justification</u>: Meters are worn and obsolete with no repair parts available. Correct flow measurement is necessary to determine evaporation and correct loading of boilers and systems.

Estimated Cost: \$32,000



MAIN/CL/dkm 4330 10 February 1982

From: Base Maintenance Officer
To: Public Works Officer

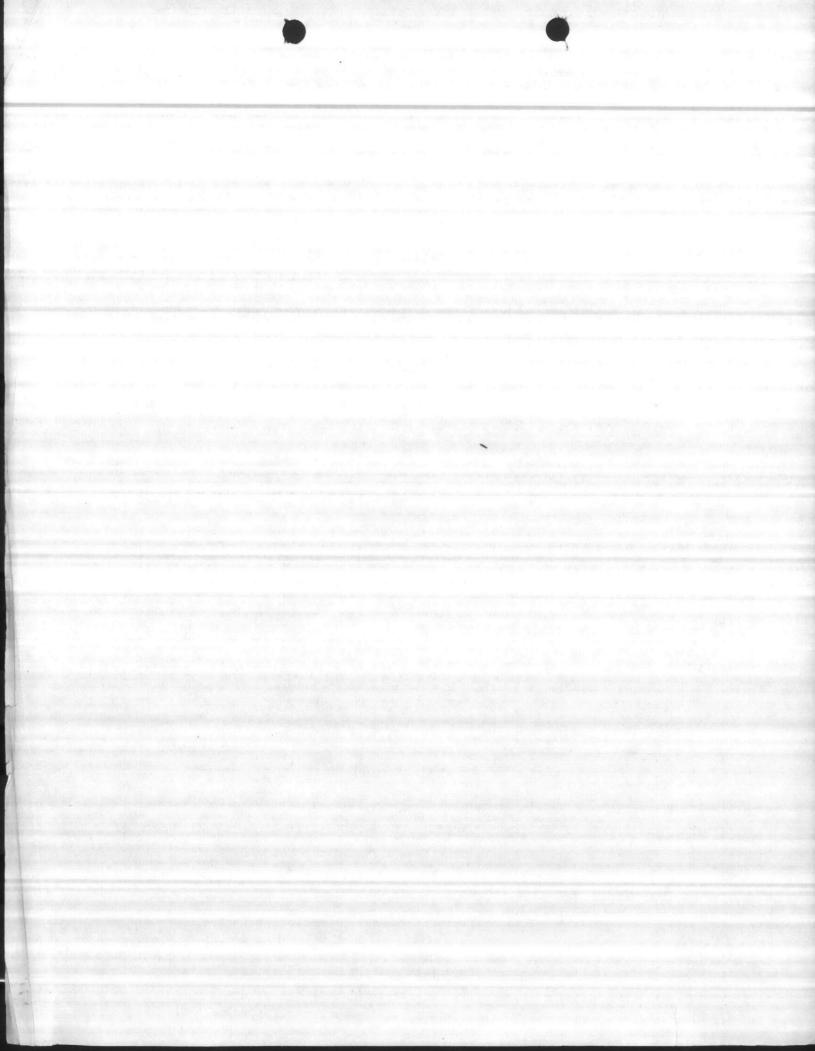
Subj: File Numbers; assignment of

Ref: (a) BMO ltr MAIN/RMD/dmm 4330 of 9 February 1982

1. Reference (a) requested A & E design contracts for maintenance and repair projects. The below listed file numbers are assigned to the subject projects.

Description 1980	File No.	
Repairs to Central Heating Plant, Building 1700 Replace Lighting, Heating Plants M625, BB-9, RR-15	2C54 DELET	TE
and PP-2615	2055	
Replace Steam Meters and Pneumatic Controls G-650		
and M-625	2056 DEL	
- Miscellaneous Repairs to Heating Plants RR-15, BB-9,		
BA-106, M-230 and M-625	2057	
Structural Repairs to Heating Plants, Buildings 1700		
and G-650	2C58 DEL	
Replace Pump Control Cable, Building AS-110	2059	
V Replace Auxilliary Engines, Buildings 20, 603, 613 and		
BA-138	2060	
Replace Windows, Building 20	2061	
Chemical Cleaning Water Lines, Buildings 670, 20 and		
TT-38	2C62	
Repairs to Water Distribution Lines, MCAS(H), New River	2063	
√Seal and Paint Walls, Building 670	2064	
Repairs to Oil Pumping Station M-625, M-230, BB-9, RR-15		
and PP-2615	2C65	

R. M. DILLON By direction



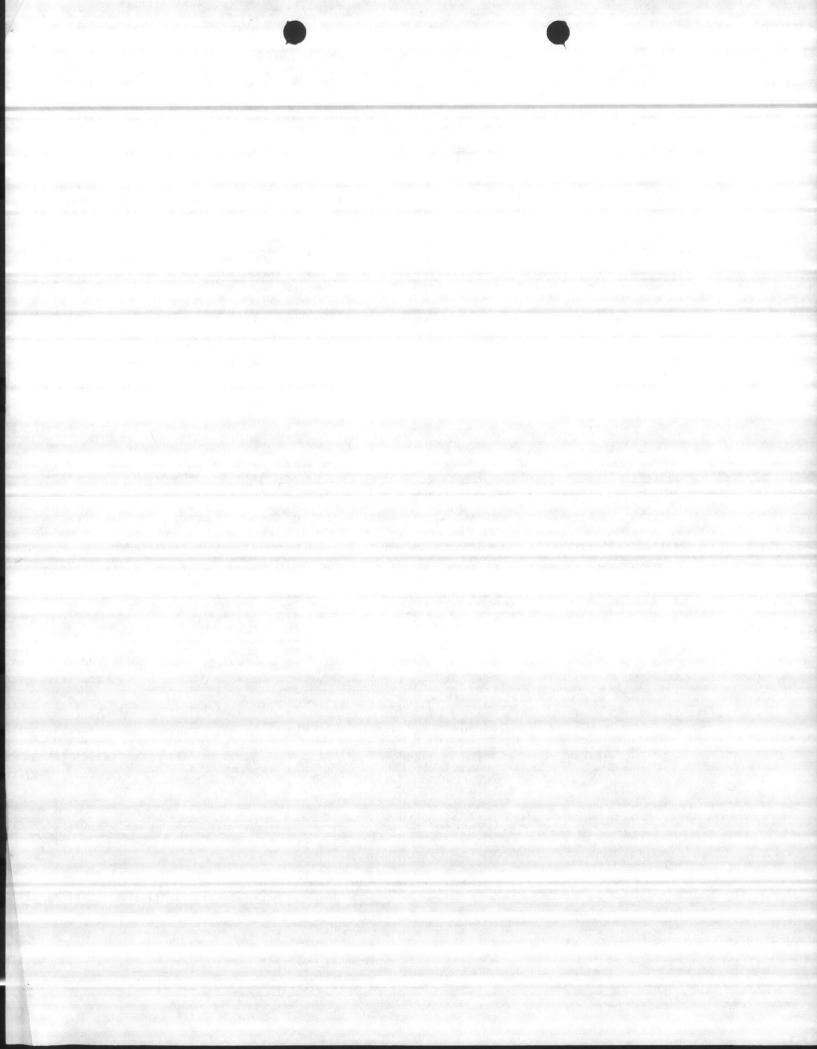
Otal Die

REPLACE PUMP CONTROL CABLE, BUILDING AS-110

Procure contract to replace the pump control cable from Building AS-110 to the Camp Geiger wells and pumping station, consisting of approximately ½ mile of pair cable and 2½ miles of 37 pair cables. These wires have been cut and repaired several times allowing water to enter cable and causing cable to corrode and short out. This cable should be replaced with a nineteen gage outside industrial control type cable.

Total Est. Cost: \$30,000

mise Repair contract

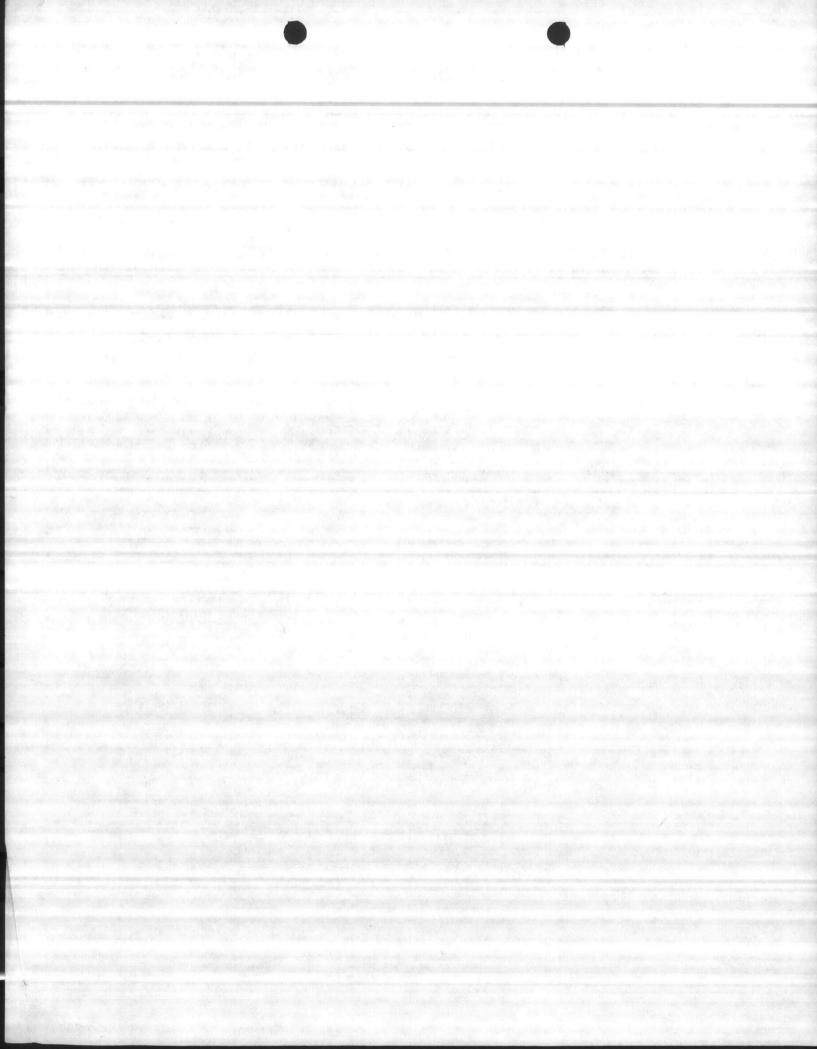


REPLACE AUXILIARY ENGINES, BUILDINGS 20, 603, 613, 8A-138

Procure contract to replace the auxiliary gasoline generators that have worn out in service at Buildings 20 (two), 603 (one), 613 (one), and BA-138 (one). These engines are old and worn out and are not dependable for carrying the load during power failures. These engines should be replaced with a diesel engine with equal horsepower.

Total Est. Cost: \$50,000

Mise Repair Contract

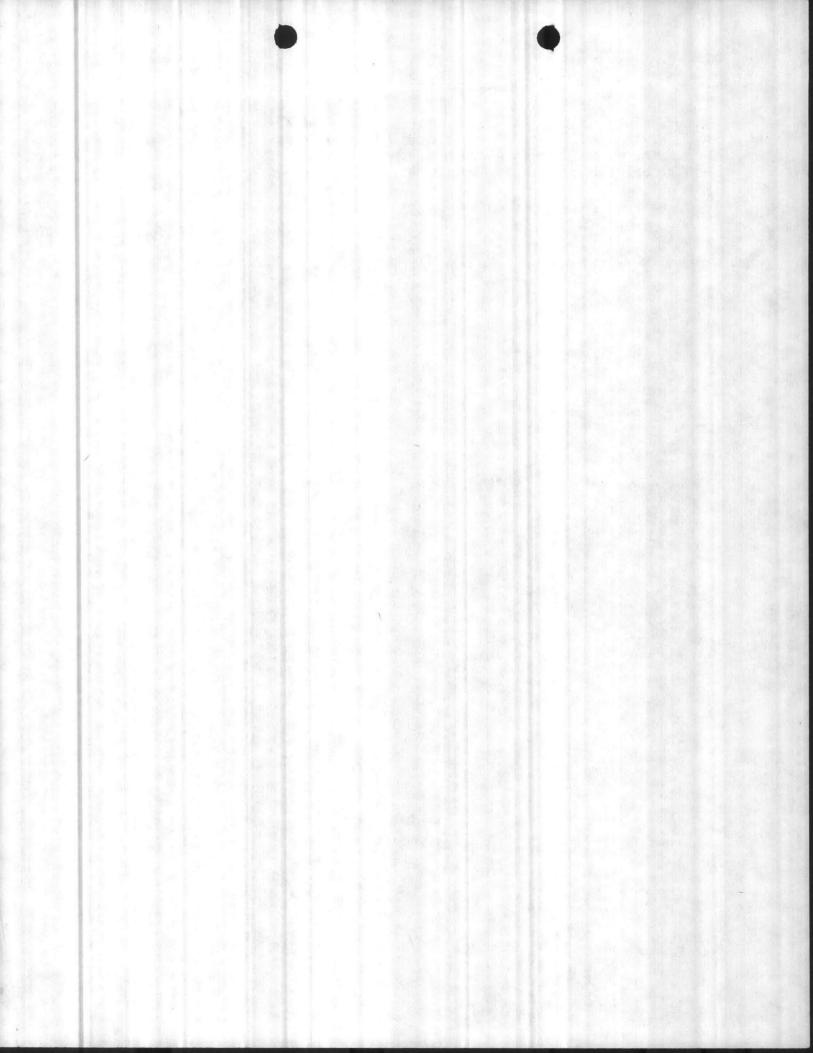


REPLACE WINDOWS, BUILDING 20

Procure contract to repair or replace 64 metal windows in Building 20 with an average size of 28"x82". These windows have been repaired many times by Base Maintenance. The windows are warped, and many of them cannot be closed. Replacement should be an aluminum type.

Total Est. Cost: \$35,000

Misc Repair Contract

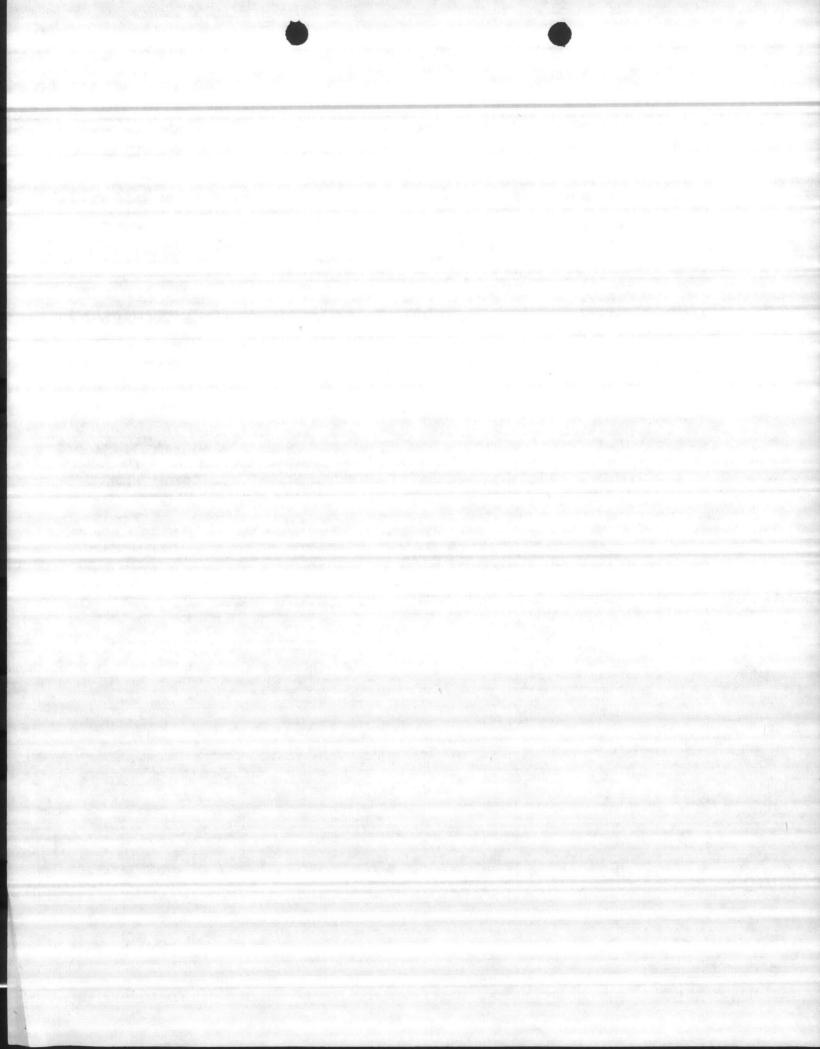


CHEMICAL CLEANING WATER LINES, BUILDINGS 670, 20, TT-38

Procure contract to chemically clean the treatment lines from spiractor to filters and floor drain from lime mixing room to manhole outside of building at Buildings 670, 20, and TT-38. These lines have a thick deposit of calcium carbonate which is greatly reducing the treatment capacity.

Total Est. Cost: \$15,000

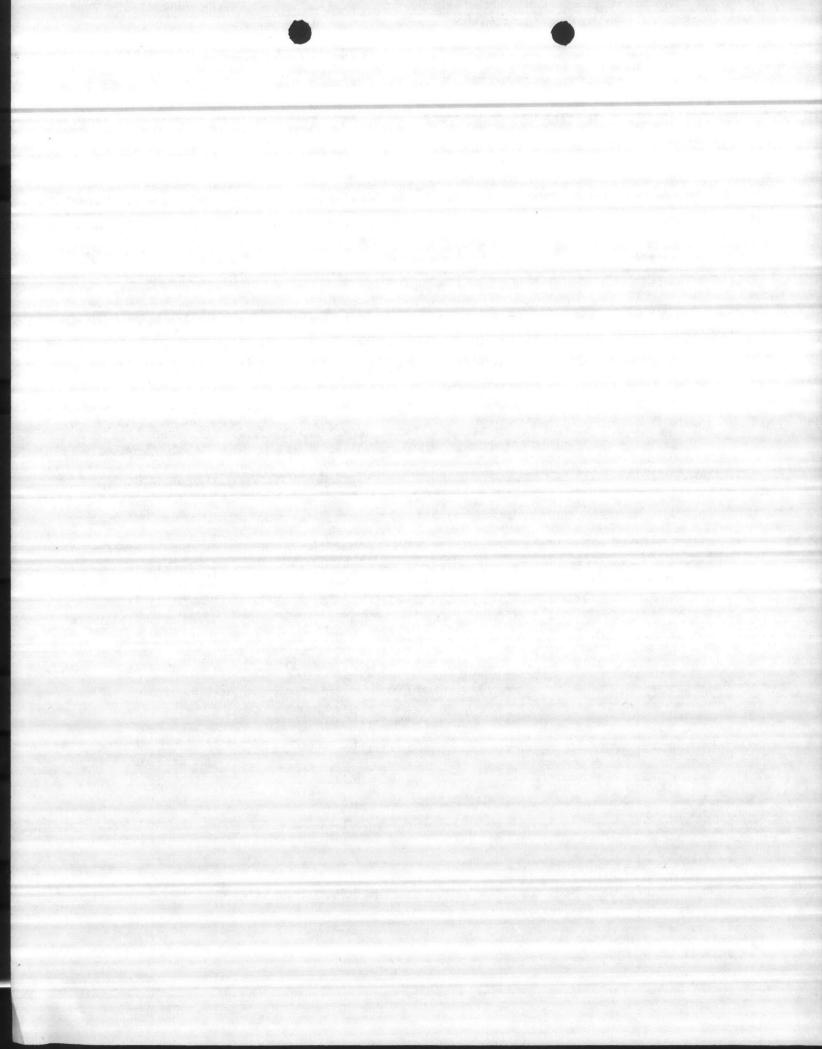
20 + TT-38 included on misc Repair Contract



REPAIRS TO WATER DISTRIBUTION LINES, MCAS(H), NEW RIVER

Procure contract to clean calcium carbonate deposit from all six, eight, and ten inch water distribution mains in the Marine Corps Air Station area. Over a period of year the calcium carbonate deposits have greatly reduced the line capacity and should be mechanically cleaned by a qualified contractor.

Total Est. Cost: \$25,000

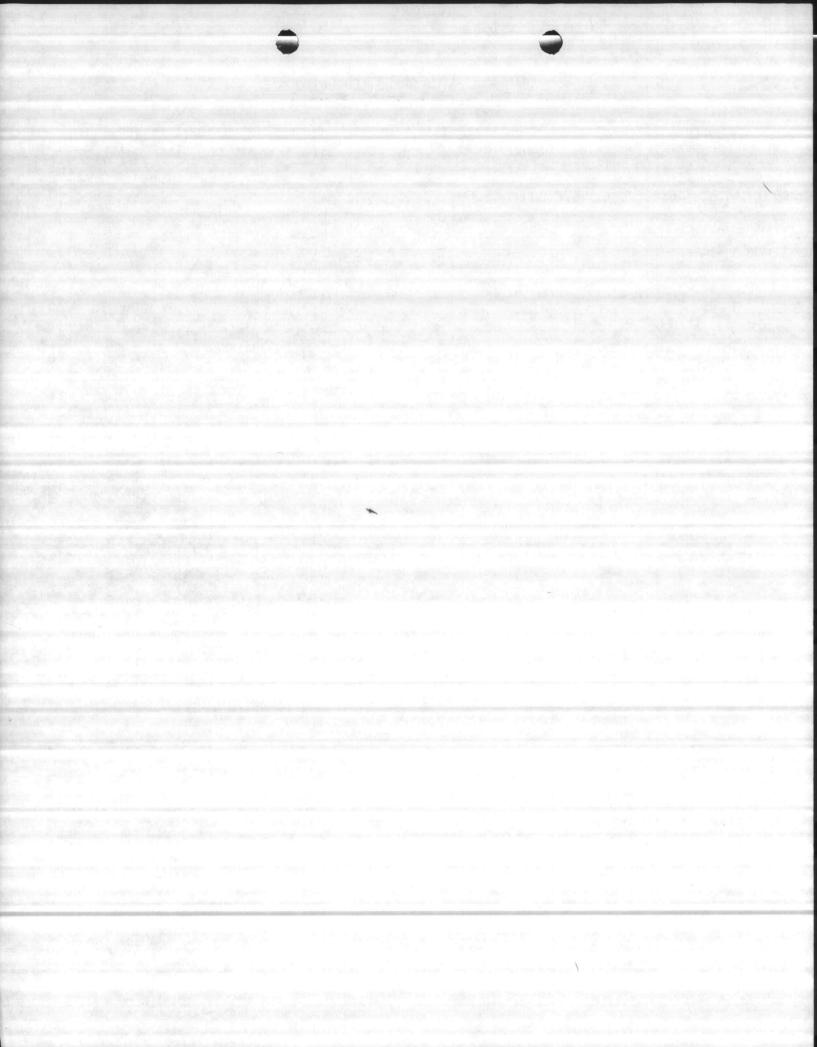


SEAL AND PAINT WALLS, BUILDING 670

Procure contract to seal concrete filter walls to eliminate existing leaks, and paint filter walls and interior building walls; two coats on filter walls, one coat on building walls.

Total Est. Cost: \$15,000

Cancel



Util o fee

REPLACE LIGHTING, HEATING PLANTS M-625, BB-9, RR-15, PP-2615

Item 1:

Project is located at M-625 Heating Plant. Project is to replace existing plant lighting with fluorescent lights.

<u>Justification</u>: Existing lights are not adequate for safe operation of boilers.

Estimated Cost: \$25,000

Item 2:

Project is located at BB-9 Heating Plant. Project is to replace existing plant lighting with fluorescent lights.

<u>Justification</u>: Existing lights are not adequate for safe operation of boilers.

Estimated Cost: \$10,000

Item 3:

Project is located at RR-15 Heating Plant. Project is to replace existing plant lighting with fluorescent lights.

<u>Justification</u>: Existing lights are not adequate for safe operation of boilers.

Estimated Cost: \$10,000

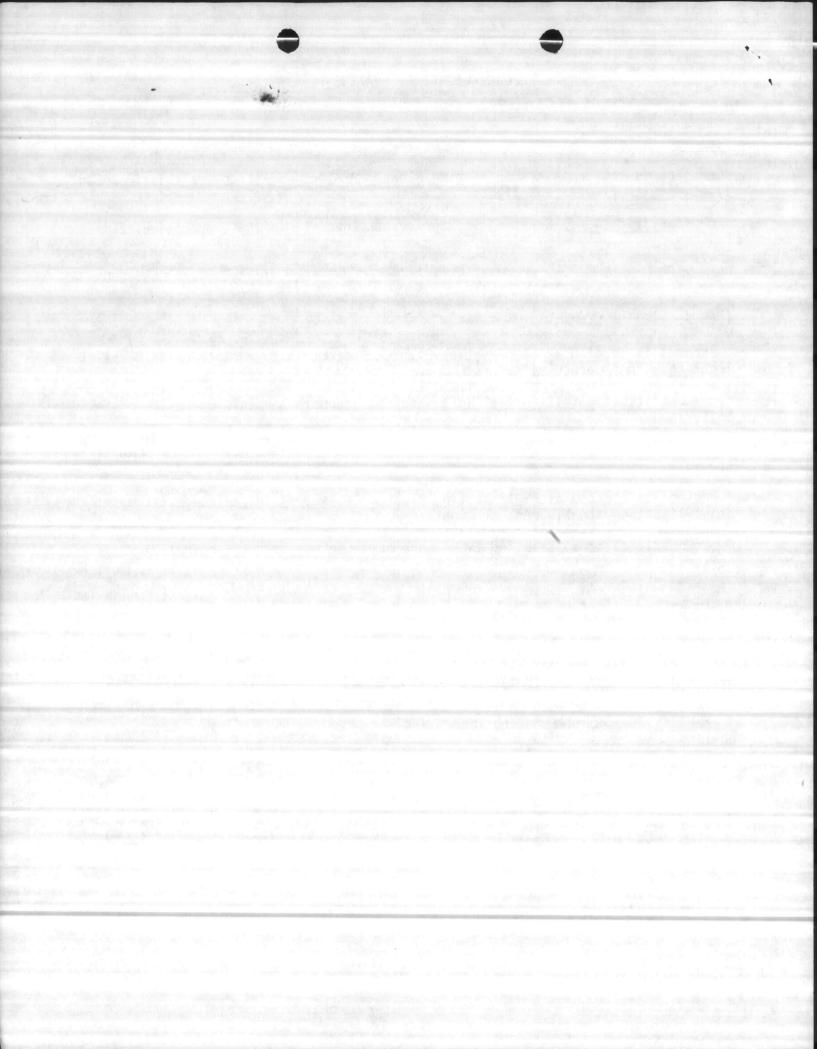
265 Item 4:

Project is located at PP-2615 Heating Plant. Project is to replace existing plant lighting with fluorescent lights.

<u>Justification</u>: Existing lights are not adequate for safe operation of boilers.

Estimated Cost: \$10,000

Total Estimated Cost: \$55,000



REPLACE STEAM METERS AND PNEUMATIC CONTROLS _G-650, M-625

Item 1:

Project is located at G-650 Heating Plant. Project is to provide and replace four steam flow meters, orifices, and piping.

<u>Justification</u>: Meters are worn and obsolete with no repair parts available. Correct flow measurement is necessary to determine evaporation and correct loading of boilers and systems.

Estimated Cost: \$32,000

Item 2:

Project is located at M-625 Heating Plant, Project is to provide and replacing steam flow and header pressure meters, orifices and piping for three boilers.

<u>Justification</u>: Meters are worn and obsolete with no repair parts available. Correct flow measurement is necessary to determine evaporation and correct loading of boilers and systems.

Estimated Cost: \$32,000

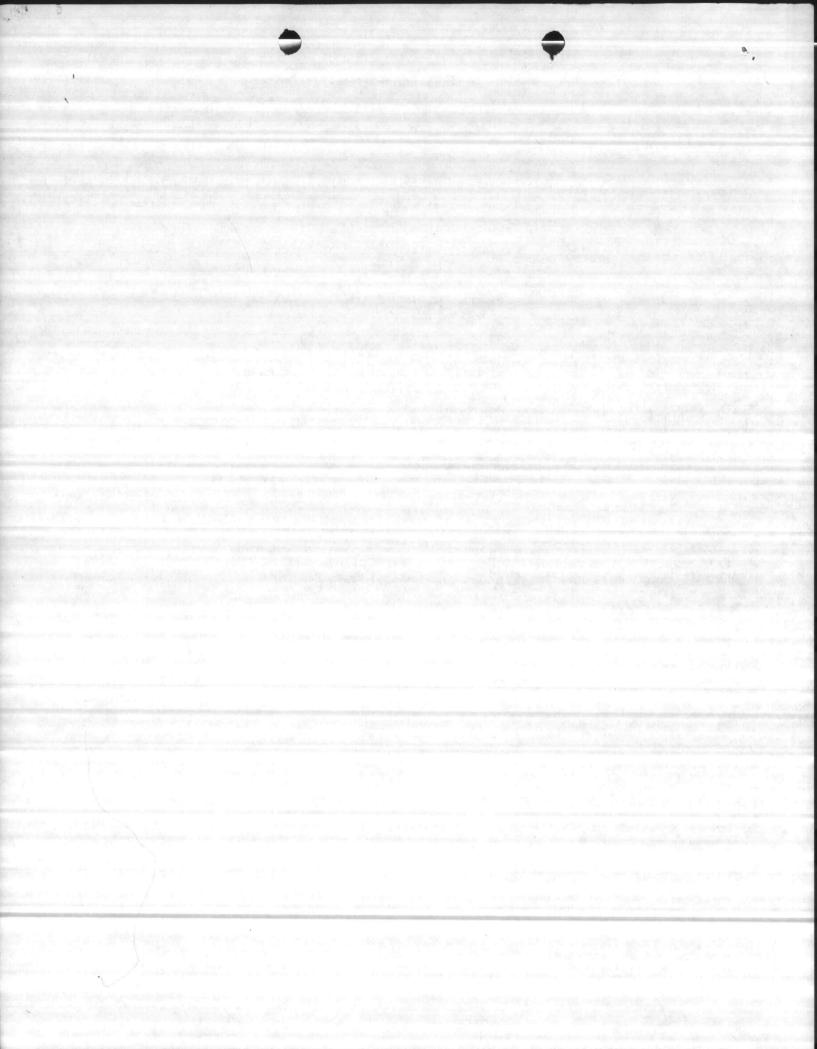
Item 3:

Project is located at G-650 Heating Plant. Project is to provide and install pneumatic controls and positioners on three boilers.

<u>Justification</u>: Controls and positioners are worn out with no repair parts available. Due to this problem boiler efficiency has decreased.

Estimated Cost: \$45,000

Total Estimated Cost: \$109,000



REPAIRS TO CENTRAL HEATING PLANT, BUILDING 1700

Item: Cancel To be Accomplished IN-HOUSE

Project is located at Building 1700 Heating Plant. Project is to provide and replace insulation on five boilers, all auxiliary equipment, and all steam and water lines.

Justification: Insulation has cracks, holes, etc. from deterioration and necessary maintenance removal. Complete and proper insulation is necessary to prevent heat loss for better efficiency and prevent safety hazards. Loose or ragged insulation creates dust and hazardous environment for plant personnel.

Estimated Cost: \$49,000

Item 2:

Project is located at Building 1700 Heating Plant. Project is to provide and replace blowdown lines on five boilers from the blowdown valves to and including the blowdown tank and tank vent line.

<u>Justification</u>: Lines and tank have been patched, have thin spots, and have deteriorated beyond repair.

Estimated Cost: \$40,000

Item 3:

Project is located at Building 1700 Heating Plant. Project is to provide and replace flash tank and heat exchange to include piping.

Justification: Flash tank, heat exchanger and piping has deteriorated beyond repair. Has been patched numerous times in the past.

Estimated Cost: \$35,000

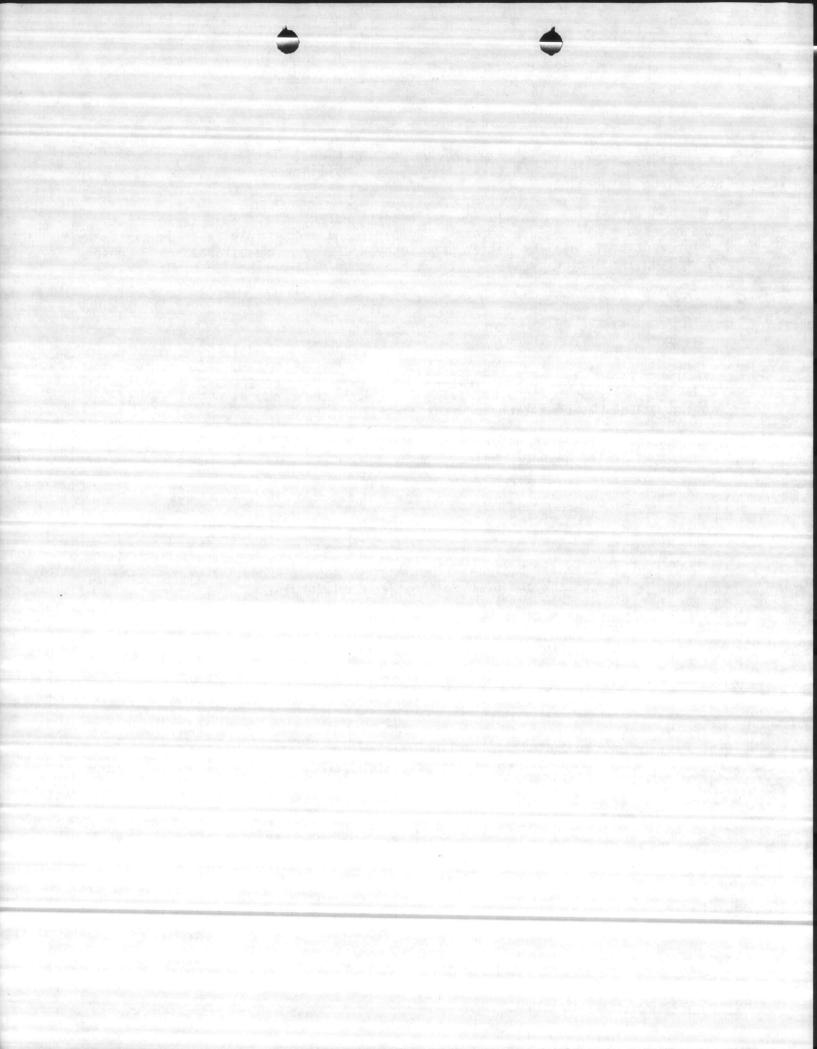
Item 4:

Project is located at Building 1700 Heating Plant. Project is to provide and replace incoming main water line and stop valve.

Justification: Line and stop valve show extensive deterioration.

Estimated Cost: \$5,000

Total Estimated Cost: \$129,000



MISCELLANEOUS REPAIRS TO HEATING PLANTS RR-15, BB-9, BA-106, M-230, M-625

Item 1:

In-House

Project is located at RR-15 Heating Plant. Project is to provide and replace tank, heating coil, regulator and piping.

<u>Justification</u>: Tank and heating coil has holes and has deteriorated beyond repair.

Estimated Cost: \$15,000

Item 2:

Project is located at RR-15 Heating Plant. Project is to provide and replace blowdown line from two boilers to blowdown pit.

Justification: Lines have deteriorated and have holes in them.

Estimated Cost; \$2,000

Item 3:

Project is located at BB-9 Heating Plant. Project is to provide and replace incoming water main and stop valve.

Justification: Water line and valve show extensive deterioration.

Estimated Cost: \$4,000

Item 4:

misc Rep Contract Project is located at BA-106 Heating Plant. Project is to provide and replace incoming water main and stop valve.

Justification: Water line and valve show extensive deterioration.

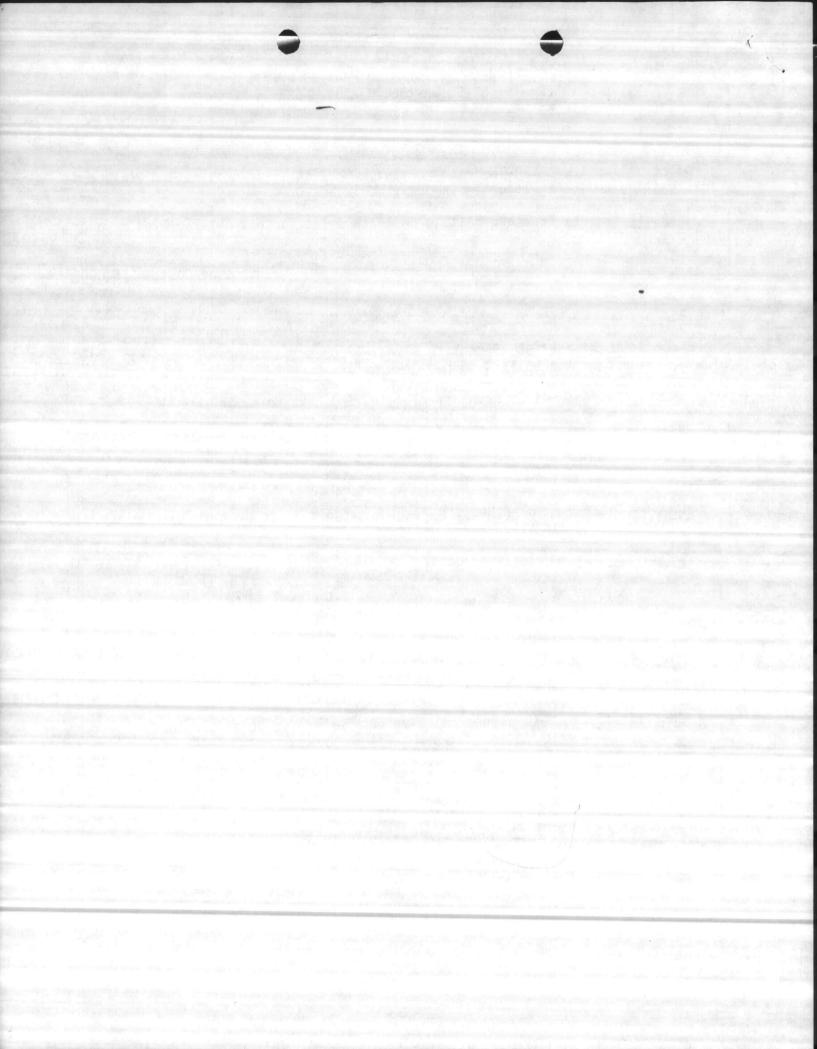
Estimated Cost: \$2,000

Item 5:

Project is located at M-230 Heating Plant. Project is to provide and install blowdown lines from three boilers to the blowdown pit.

Justification: Lines have deteriorated and have holes in them.

Estimated Cost: \$2,000



Item 6:

Project is located at M-230 Heating Plant. Project is to provide two water contract softeners, piping and automatic controls.

<u>Justification</u>: Tanks are corroded and have thin spots in walls. These softeners are manually operated, and being at an unmanned plant, automatic softeners are essential for efficient operation.

Brine tank added to A + E contract
by E. Rouse (verbal)

Estimated Cost: \$5,000

Item 7:

Project is located at M-625 Heating Plant. Project is to provide and install one deareator.

Justification: Internal parts are worn from extensive use. Tank is corroded and pitted to the extent the walls are thin. Also, manway is pitted to the extent it cannot be completely sealed.

Estimated Cost: \$49,000

Item 8:

m-2

Project is located at M-625 Heating Plant. Project is to replace deteriorated boiler refractory and insulation.

<u>Justification</u>: Boiler refractory and insulation have deteriorated to the extent that desired boiler efficiency cannot be obtained.

Estimated Cost: \$25,000

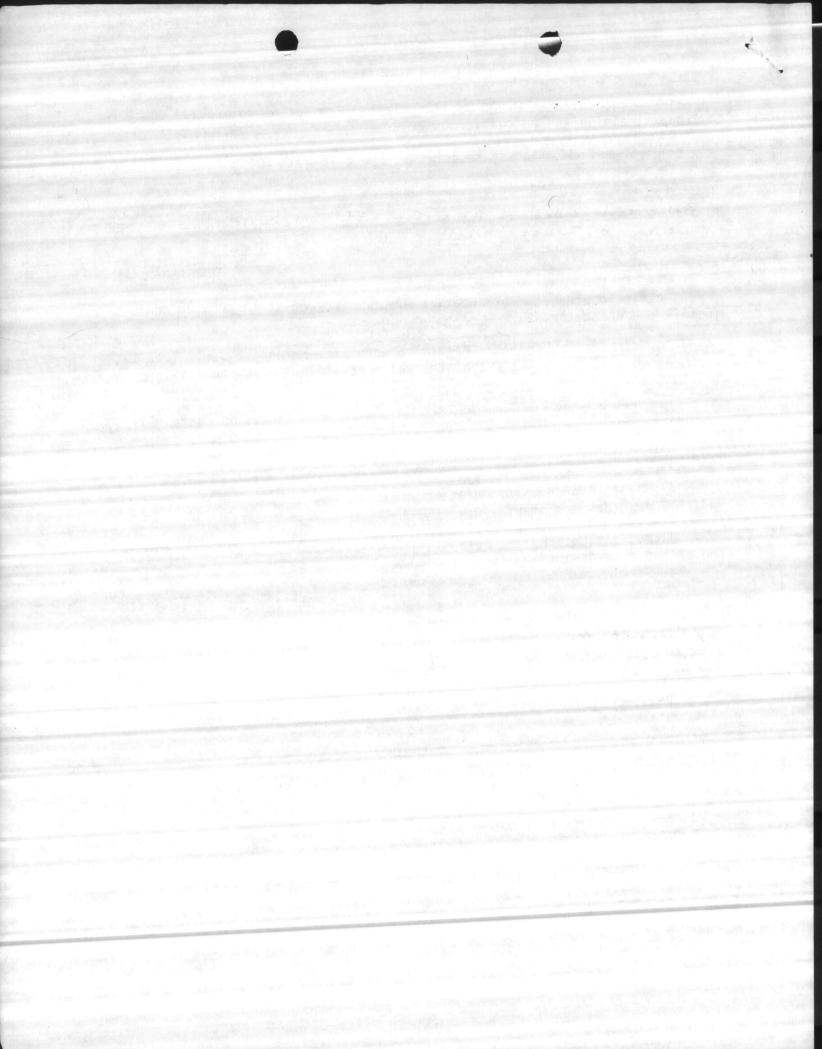
Item 9:

Project is located at M-625 Heating Plant. Project is to provide and replace incoming main water line and stop valve.

Justification: Line and stop valve show extensive deterioration.

Estimated Cost: \$4,000

TOTAL ESTIMATED COST: \$108,000



STRUCTURAL REPAIRS TO HEATING PLANTS BUILDINGS 1700 & G-650

Item 1:

Project is located at Building 1700 Heating Plant. Project is to repair or replace deteriorated steel window frames, closures, and seal cracks.

M-2

cimplete

<u>Justification</u>: The existing steel window have deteriorated from the environment of coal dust and boiler flue gas. The grouting has fell out from under windows due to the vibration of the plant.

Estimated Cost: \$20,000

Item 2: Cancel Completed on separate contract

Project is located at Building 1700 Heating Plant. Project is to sandblast, prime and paint one 175,000-gallon oil tank.

<u>Justification</u>: Oil tank is rusted from soot and flue gas environment of the boiler plant. If not corrected at this point, could lead to extensive pitting of the oil tank.

Estimated Cost: \$12,000

Item 3:

Project is located at G-650 Heating Plant. Project is to repair damaged and deteriorated siding on building and paint interior and exterior.

<u>Justification</u>: Siding has deteriorated from wear, use, soot and flue gazes and environmental exposures.

Estimated Cost: \$20,000

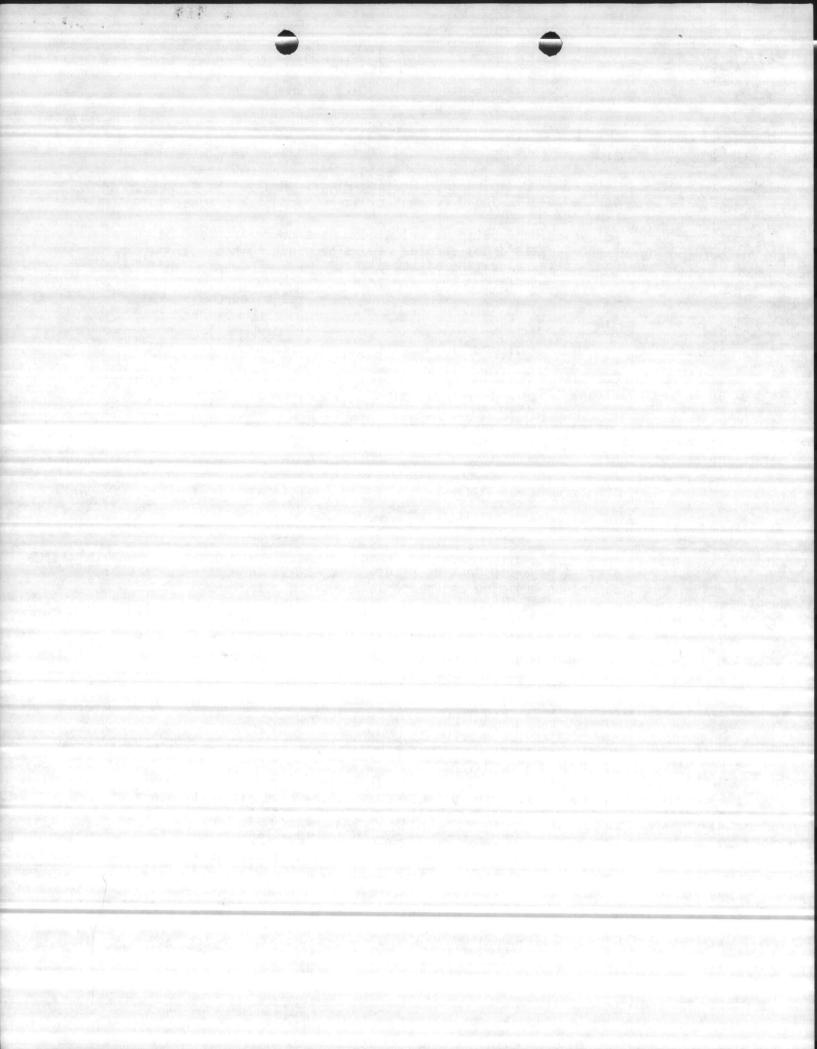
Item 4:

Project is located at G-650 Heating Plant. Project is to sandblast, prime, and paint two 60,000-gallon oil tanks.

<u>Justification</u>: Tanks are rusing from soot and flue gas environment of the boiler plant. If not corrected at this stage, could lead to extensive pitting of the tanks.

Estimated Cost: \$10,000

Total Estimated Cost; \$62,000



REPAIRS TO OIL PUMPING STATION M-625, M-230, BB-9, RR-15, PP-2615

Item 1:

Project is located at M-625 Heating Plant. Project is to provide and replace Ruplex oil pumping station and oil heaters.

<u>Justification</u>: Existing oil pumping station will not deliver capacity necessary to operate at maximum capacity. Pumps are obsolete and worn with no repair parts available.

Estimated Cost: \$30,000

Item 2:

Mics Repair Contract Project is located at M-230 Heating Plant. Project is to replace existing oil pumps and piping with duplex pumping station.

Justification: Pumps are worn to the extent that they will not pump at capacity. Valves and piping arrangement was designed for No. 6 oil. The plant has been converted to No. 2 oil since then, requiring maintenance of valve and lines not necessary.

Estimated Cost: \$20,000

Item 3:

Project is located at BB-9 Heating Plant. Project is to provide and replace Duplex oil pumping station and oil heaters.

<u>Justification</u>: Existing oil pumping station will not deliver capacity necessary for plant operation.

Estimated Cost: \$25,000

Item 4:

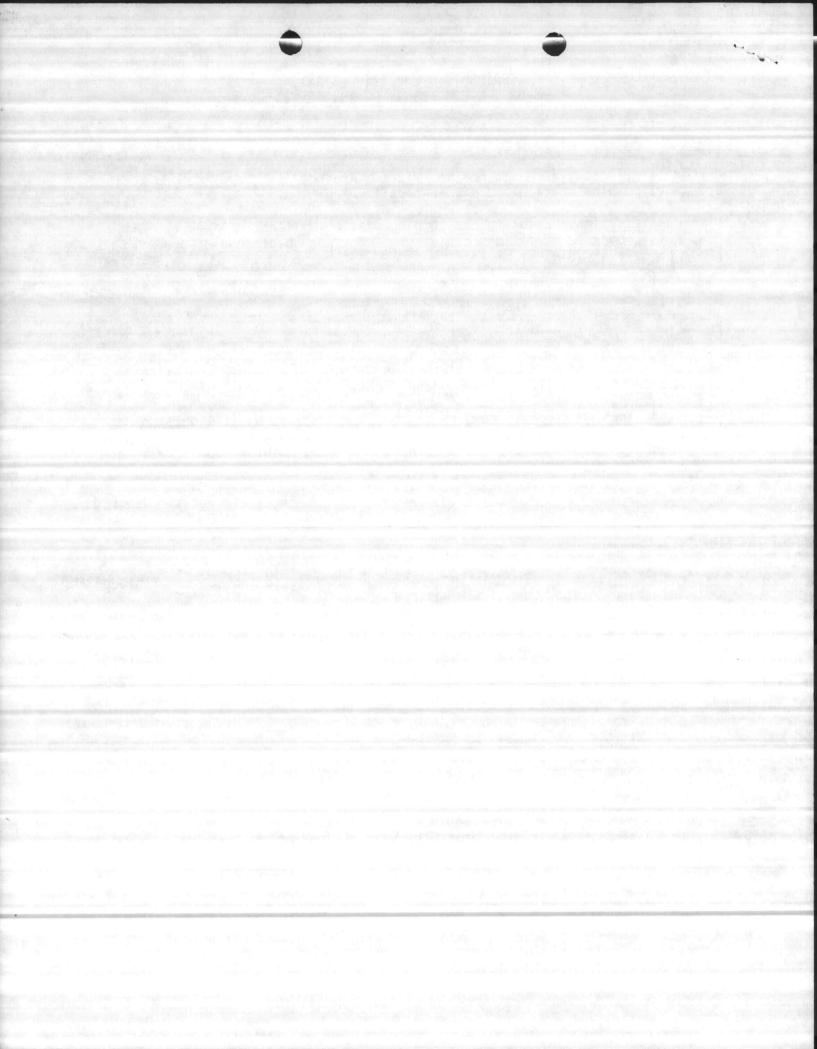
Project is located at RR-15 Heating Plant. Project is to provide and install a Duplex oil pumping station with oil heaters to replace existing pumps and heaters.

Justification: Pumps are obsolete and worn to the extent they will not pump the capacity required to operate the plant at maximum output load.

Estimated Cost: \$25,000

Item 5:

Project is located at BOQ PP-2615 Heating Plant. Project is to provide and

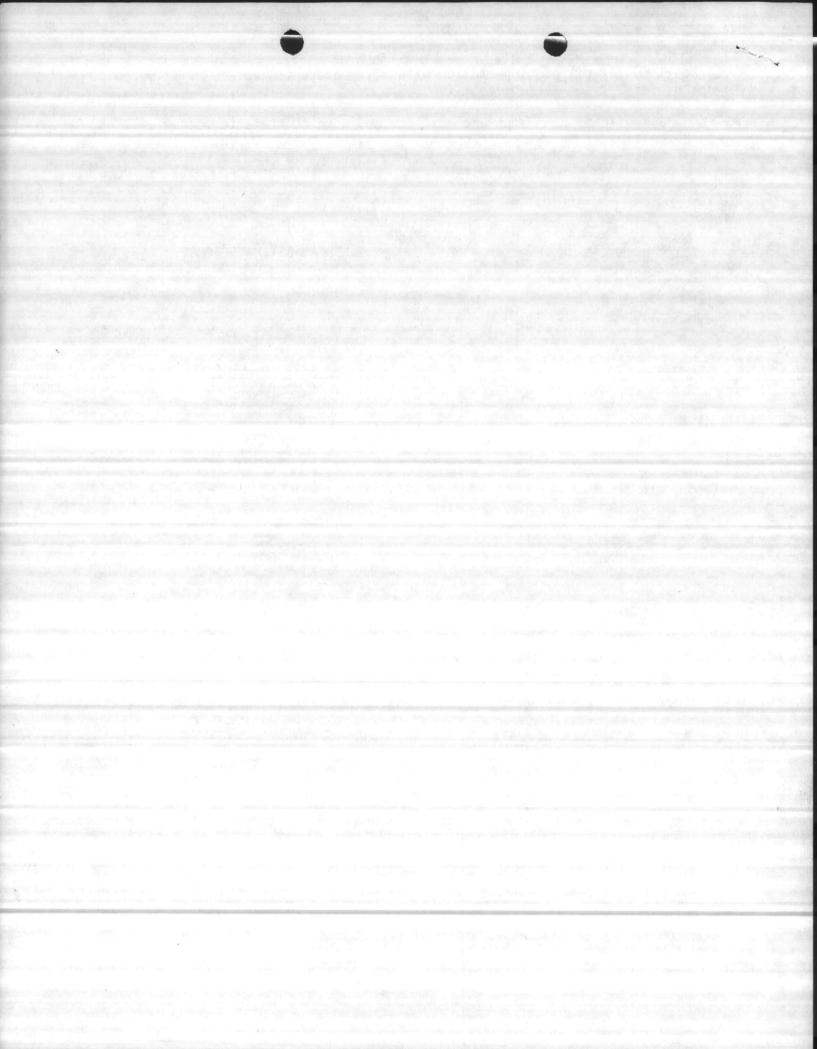


install Duplex oil pumping station with oil heaters to replace existing pumps and heaters.

<u>Justification</u>: Pumps are obsolete and worn to the extent they will not pump the capacity required to operate the plant at maximum output load.

Estimated Cost: \$25,000

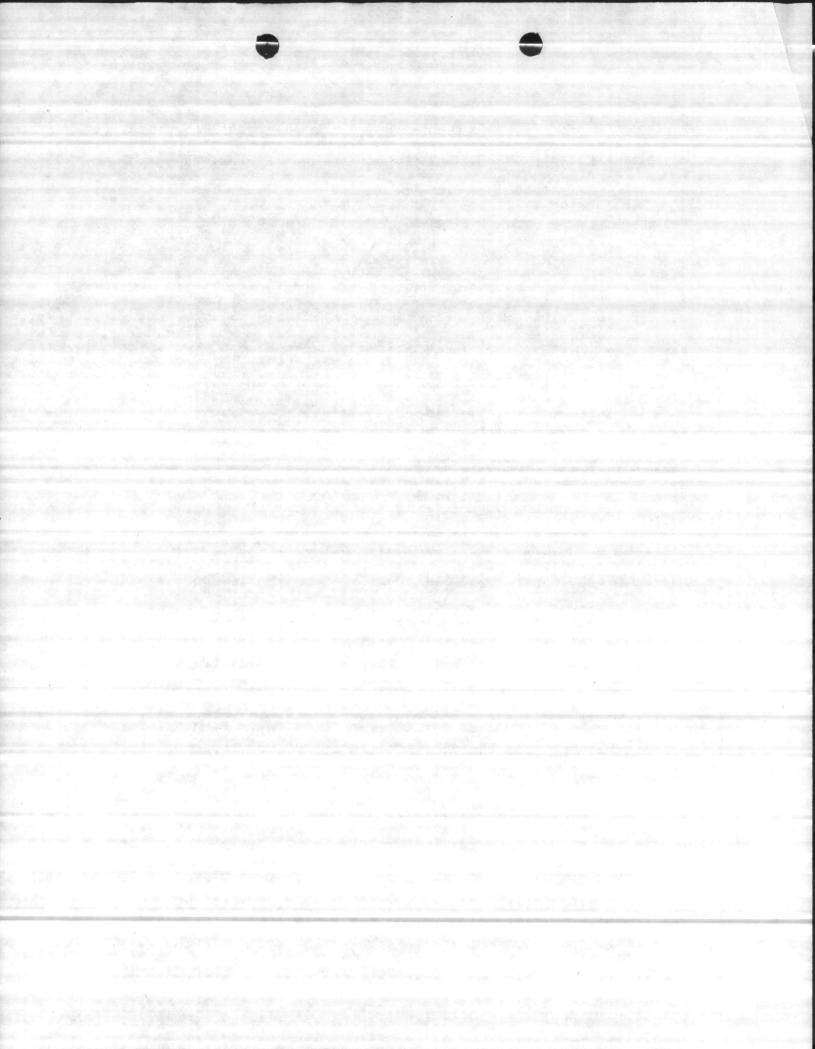
TOTAL ESTIMATED COST: \$125,000



16 aug 82

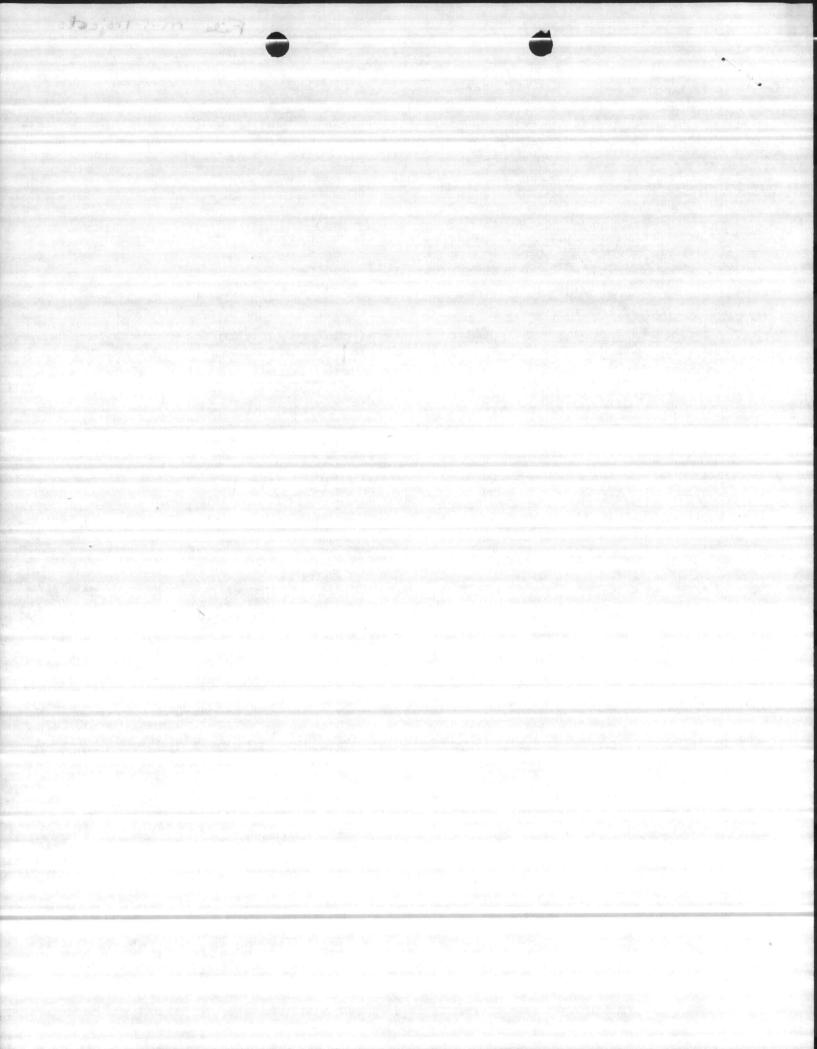
M-1 Projects

- 1. Replace lighting in Heating Plants BB-9, RR-15, and PP-2615.
- 2. Miscellaneous repairs to Heating Plants RR-15, BB-9, M-230, and BA-106.
- 3. Replace Pump Control Cable, Bldg AS-110.
- 4. Replace Auxiliary Engines, Bldgs 20, 603, 613, and BA-138.
- 5. Replace windows, Bldg 20, and Paint Interior Walls.
- 6. Chemical Cleaning Water Lines, Bldgs 670, 20, and TT-38.
- 7. Maintenance to Water Distribution Lines, MCAS(H) NR.
- 8. Repairs to Oil Pumping Stations M-230, BB-9, RR-15, and PP-2615.
- 9. Replace condensate receiver tank, valves, float controls and alarms, Building M-625.
- 10. Replace oil burners on Boilers 38, 39, 40, Building M-230.
- 11. Replace Boiler No. 61, USO.
- 12. Replace mechanical equipment in the primary tanks, Building 22.
- 13. Paint interior walls and ceilings, Building 1300.



Copy No

	Commanding General, Marine Corps Base, Camp Lejeune, NC 28542					
	12			12E82,	and, Norfolk, VA 2351 FICATION NUMBER (IF applicable) REVISED (Supersedes 82, dtd 10 Feb 1982)	
	5. ENCLOSURE(S) (check) NAVCOMPT 140 XXX OTHER (specify)				NDING (check) XX OTHER (specify)	
ER	□ NAVCOMPT 2038 □ NAVCOMPT 372			□ NIF	0&MMC	
EST	7. TYPE OF SERVICES REQUESTED 8. DES				MPLETION DATE	
SECTION A FOR USE BY REQUEST	Slate and select A&E firm and negotiate A&E contract for enclosed projects.				uly 1982	
S FOR USE	I. GENERAL. Plans and specifications are required for the repair and maintenance projects listed on enclosures (1) through (8). Like projects may be grouped and awarded to one A&E firm. Work for these projects is detailed in the enclosures.					
	II. BACKGROUND. Plans, specifications and cost estimates shall be prepared for those projects listed in enclosures (1) through (8) for local award of construction contract. Review of designs by this activity is required at the 35% and 90% stages. Pre-design conferences should be held at this activity prior to beginning design. 10. FOR INFORMATION CONSULT Warms and phone) E. L. ROUSE, AV: 484-2213 11. OFFICIAL REPRESENTATIVE (Signature) 12. DATE MAD 1.7 too.					
	FTS: 676-2213	[HEAD MINE IN SECTION OF THE PROPERTY OF THE P	E. CARLSON direction		MAR 1 7 1982	
SECTION 8 FOR USE BY EFD	1. SCOPE OF SERVICES	-J21	~Q (of V	2. DATE RECEIVED 3. ESR NUMBER TROCK	
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SECTION C NTERIM ENDORSEMENT						
INTER	2. EST. COMPLETION DATE	3. AUTHORIZED REPRESENTATIVE (Signal	rure)		4. DATE	
F	1. ENCLOSURE(S)					
SECTION D	☐ DRAWINGS AND MAPS ☐ OTHER (specify)	☐ SPECIFICATIONS	□ RE	PORT		
SECTION SECTION FINAL ENDO	2. EST. COST (if applicable)	3. AUTHORIZED REPRESENTATIVE (Signat	ure)		4. DATE OF COMPLETION	



CAMLEJ ESR 12E82, REVISED

III. FUNDING. FY82 funds are available for design and construction and must be obligated during FY82. Funding will be provided upon request.

IV. POINT OF CONTACT. E. L. Rouse, Director, Design Division, AV: 484-2213; FTS: 676-2213.

Enclosures:

(1) Rpl Lighting in Htg Plants BB-9, RR-15 & PP-2615 w/description of work and cost estimate

(2) Misc Rprs to Htg Plants RR-15, BB-9, M-230 & BA-106 w/description

of work and cost estimate

(3) Rpl Pump Control Cable, Bldg AS-110 w/description of work, cost estimate and site location maps

Rpl Auxiliary Engines, Bldgs 20, 603, 613 & BA-138 w/description

of work and cost estimate

(5) Rpl Windows, Bldg 20 & Paint Interior Walls, Bldg 20 w/cost

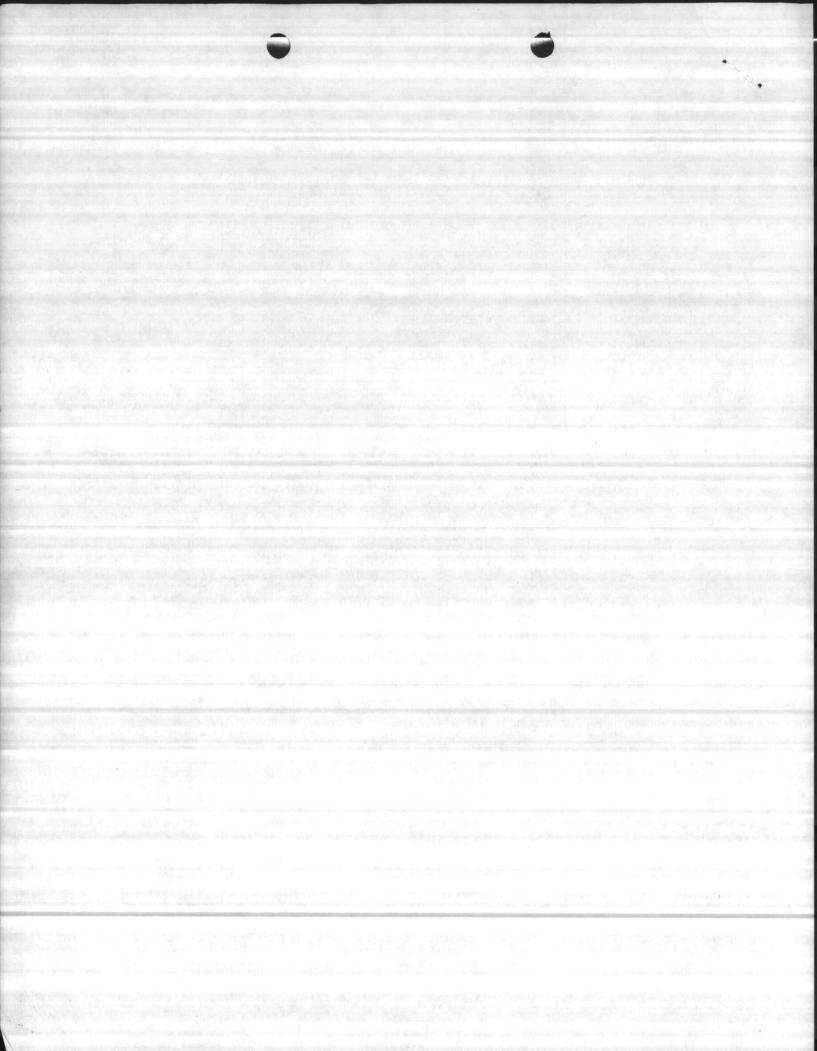
estimate

(6) Chemical Cleaning Water Lines, Bldgs 670, 20 & TT-38 w/description of work, cost estimate & Dwgs Pierson & Whitman #W-2, Dec 51, Y&D #859319, 304819, 162234, 162260, 304822; NAVFAC Dwgs #1338914 & 1338912

(7) Maint to Water Distr Lines, MCAS(H), NR, w/description of work, cost estimate and PubWks Dwgs #13296, 13299, 13301 & 13302

(8) Rprs to Oil Pumping Stns M-230, BB-9, RR-15 & PP-2615 w/description of work and cost estimate

Repl



PW0:04:GNS:hf 81-3557

26 February 1981

From: Commanding General

To: Commander, Atlantic Division, Naval Facilities Engineering Command (Code 09A21E), Norfolk, VA 23511

Subj: CG, MCB, CLNC ESR 5E81, Repairs to Heating Plant Equipment dtd 22 January 1981

Ref: (a) Meeting btwn LCDR G. Sniffin, PW, MCB, and Mr. R. Dillon, Base Maintenance, MCB, on 25 Feb 1981

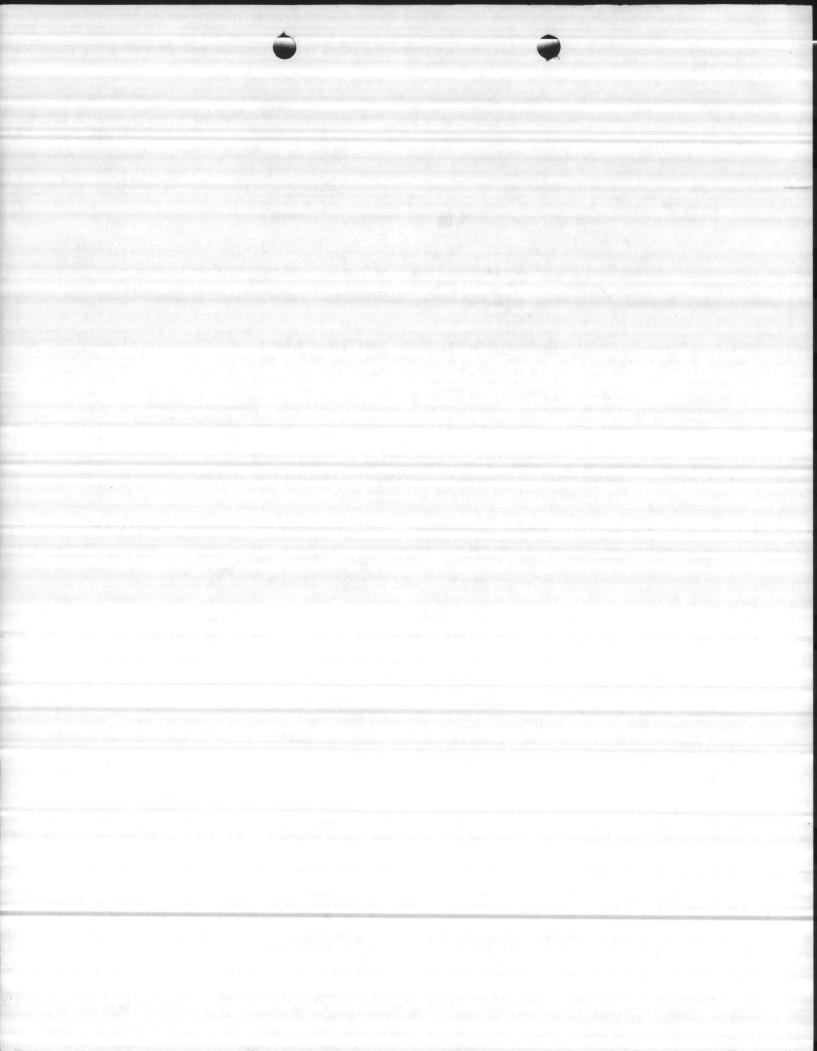
(b) PHONECON btwn LCDR G. Sniffin, PW, MCB, and Mr. M. Bryant, LANTDIV, on 25 Feb 1981

- 1. The subject ESR requested preparation of plans, specs and cost estimates for repairs to heating plant equipment in various buildings, including replacing the water lines to cooling jackets and replacing coal chutes and dampers in Bldg. 1700. During reference (a), Base Maintenance requested that the work in Bldg. 1700 be deferred.
- 2. It is requested the scope of work to be accomplished under the subject ESR be reduced by eliminating the Bldg. 1700 work, as discussed during reference (b).

cory

Blind Copy to: AC/S, Fac BMO

R. E. CARLSON By direction



MAIN/CL/dkm 4330 9 March 1982 Tout ace Mechanical Equipment

From: Base Maintenance Officer

To: Public Works Officer

Subj: Preliminary Contract Number 82-4578, Replace Mechanical Equipment,

Building M-230, File Number 2065

1. It is requested that the description of work to be performed on subject contract be changed to add replacement of two water softeners. The contract is presently under design in the Mechanical Section.

2. Point of contact is F. E. Cone, Base Maintenance Division, extension 5161.

R. M. DILLON By direction

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Description of

MAIN/RMD/crm 4330 25 February 1982

From: Base Maintenance Officer
To: Public Works Officer

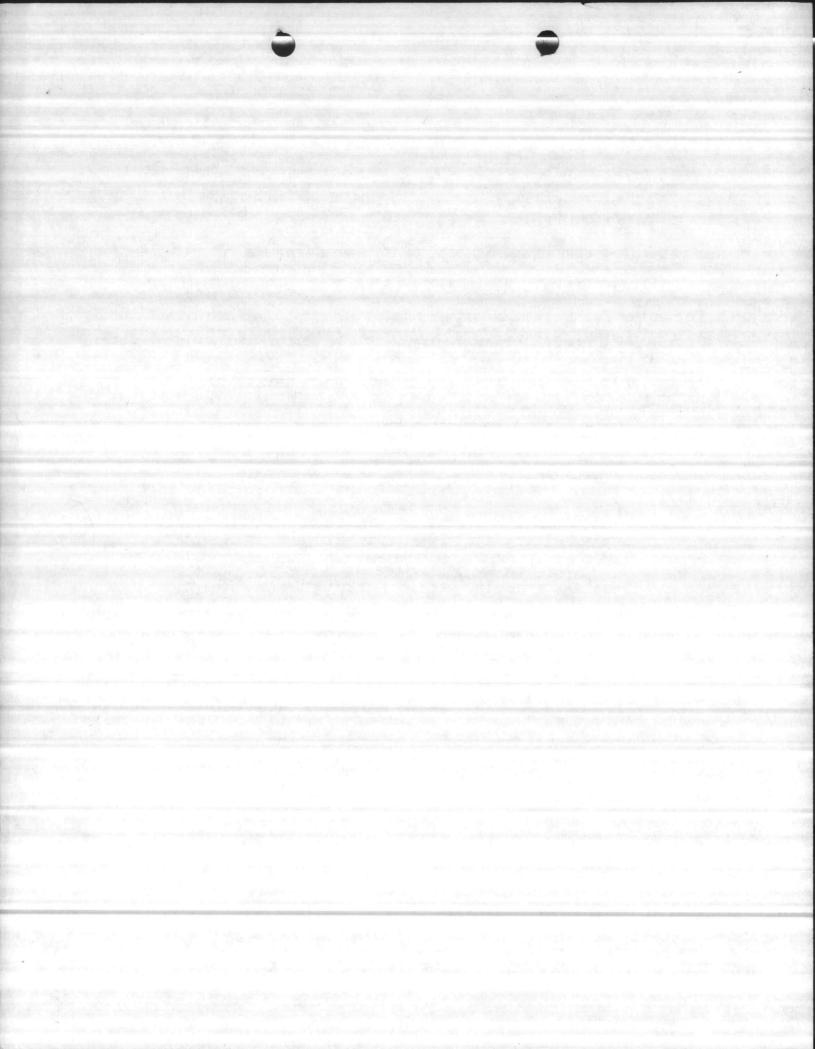
Subj: Design Contracts for Repair and Maintenance Projects

Ref: (a) BMO 1tr HAIN/RMD/crm 4330 of 9 Feb 1982

- 1. Reference (a) provided a list of repairs and maintenance projects and requested negotiation of A and E contracts for design in order to advertise and award contracts prior to 30 September 1982.
- 2. A ruling received from Headquarters Marine Corps necessitates deletion of some of the projects. It is requested that all work in Buildings 1700, G-650 and M-625 be deleted from the list of repair and maintenance projects contained in enclosures (1) through (12) of reference (a).

R. M. DILLON By direction

BC to: Supv, InspSect



2054

455,6141

MAIN/RMD/cmm 4330 9 February 1982

From: Base Maintenance Officer To: Public Works Officer

Subj: Design Contracts for Repair and Maintenance Projects; request for

Encl: (4) Repairs to Central Heating Plant, Building 1700'
(2) Replace Lighting, Heating Plants M625, BB-9, RR-15 and PP-2615

(3) Replace Steam Meters and Pneumatic Controls G-650 and M-625

45,000 (4) Miscellaneous Repairs to Heating Plants RR-15, BB-9, BA-106, H-230 and M-625

(8) Structural Repairs to Heating Plants, Buildings 1700 and G-650

(6) Replace Pump Control Cable, Building AS-110
(7) Replace Auxiliary Engines, Buildings 20, 603, 613 and BA-138

(8) Replace Windows, Building 20
(9) Chemical Cleaning Water Lines, Buildings 670, 20 and TT-38

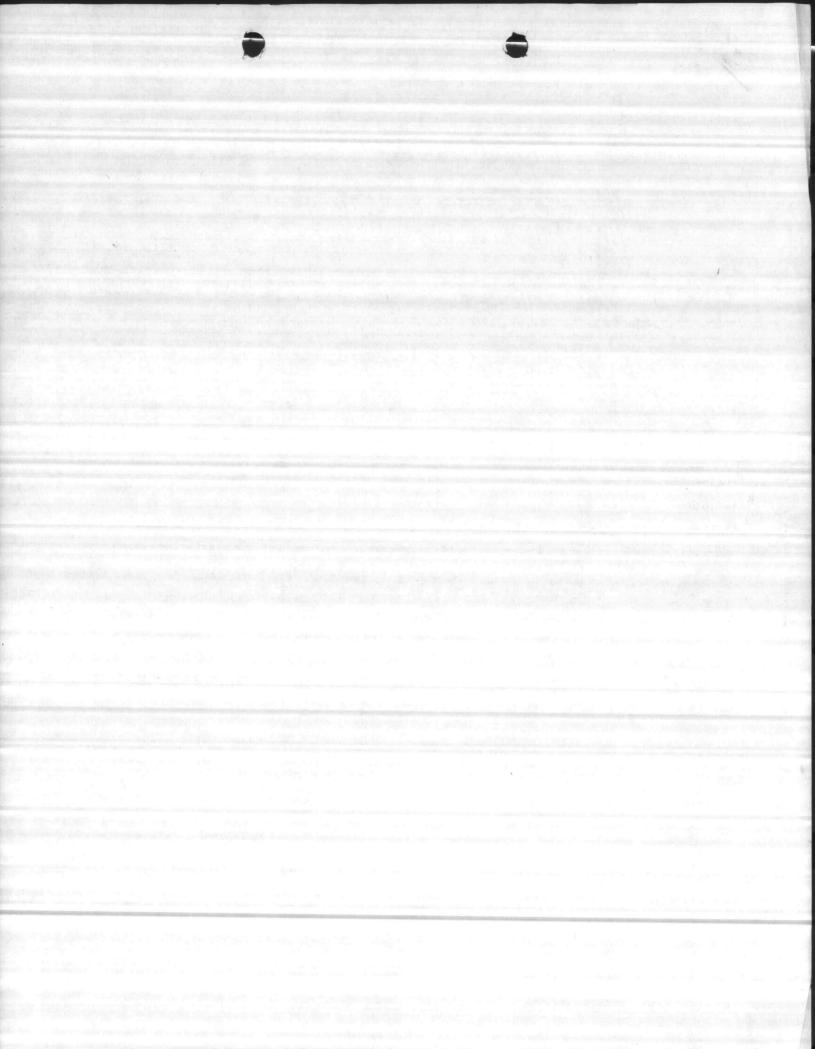
(10) Repairs to Water Distribution Lines, MCAS(H), New River

(12) Repairs to Oil Pumping Station M-625, M-230, BB-9, RR-15 and PP-2615

1. Enclosures (1) through (12) are forwarded requesting negotiation of A and E contracts to design the projects for advertisement and award of contracts prior to 30 September 1982.

R. M. DILLON By direction

File # 1 2054 thru 2015

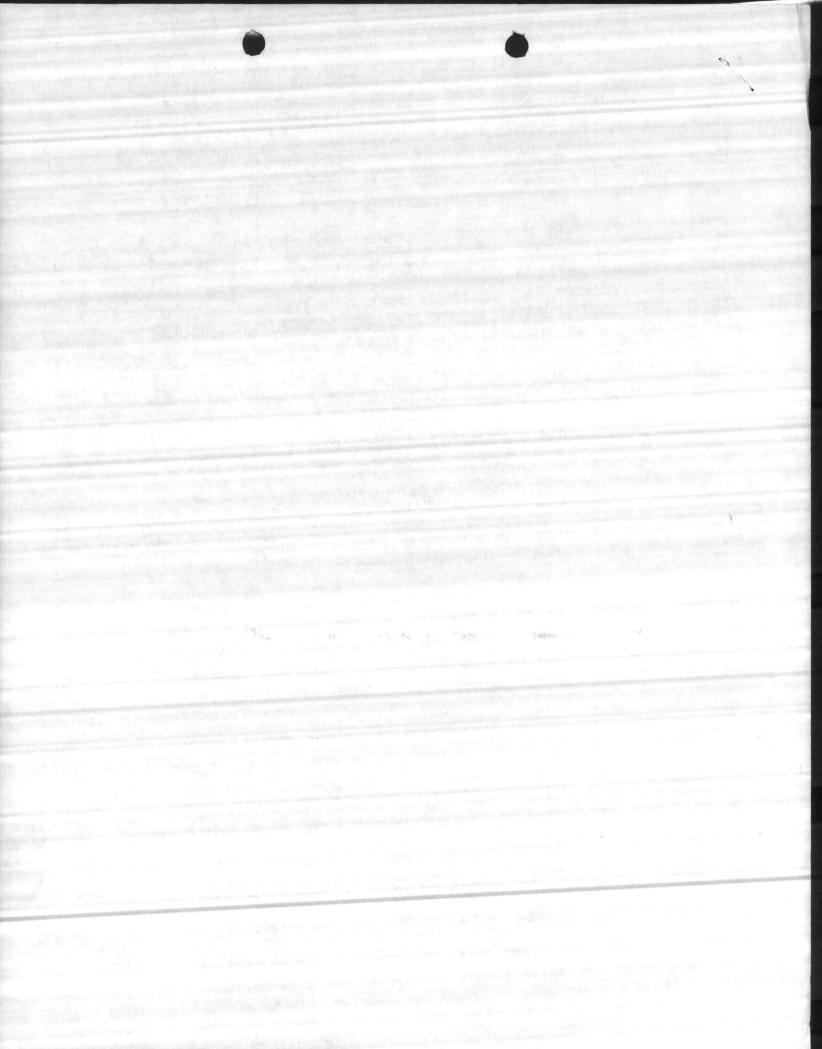


2. EST. COST (if applicable)

VAV	NEERING SERVICE REQUEST (ESR) FAC 11000/7 (4-78)	20-1
	75-L5-010-0035 Instructions on Reverse	Copy No.
1	Commanding General, Marine Corps Base, Camp Lejeune, NC	28542
SECTION A USE SY REQUESTER	2.10 Commander, Atlantic Division, Naval Facilities Engineeri	ing Command, Norfolk, VA 2351
	3. REFERENCE(S)	12E82
	5. ENCLOSURE(S) (check)	6. TYPE OF FUNDING (check)
	☐ NAVCOMPT 140 XXOTHER (specify)	OBMN X OTHER (specify)
	D NAVCOMPT 2038 (See page 2)	D NIF O&MMC
	□ NAVCOMPT 372	□NAF
	7. TYPE OF SERVICES REQUESTED Slate and select A&E firm and negotiate A&E contract for enclosed projects	8. DESIRED COMPLETION DATE July 1982
SEC		
FORU	I. GENERAL. Plans and specifications are required for projects listed on enclosures (1) through (12). Like prawarded to one A&E firm. Work for these projects is det	rojects may be grouped and
	II. <u>BACKGROUND</u> : Plans, specifications and cost estimate those projects listed in enclosures (1) through (12) for contract. Review of designs by this activity is required Pre-design conferences should be held at this activity pro-	r local award of construction at the 35% and 90% stages prior to beginning design.
	10. FOR INFORMATION CONSULT (Name and phone) E. L. ROUSE, AV: 484-2213 FTS: 676-2213 R. E. GERLSEN	10 FEB 1982
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3. AUTHORIZED REPRESENTATIVE (Signature)

4. DATE OF COMPLETION



III. FUNDING: FY82 funds are available for design and construction and must be obligated during FY82. Funding will be provided upon request.

IV. POINT OF CONTACT: E. L. Rouse, Director, Design Division, AV: 484-2213/FTS: 676-2213.

Enclosures (1) Repairs to Central Heating Plant, Bldg 1700 Replace Lighting, Heating Plants M-625, BB-9, RR-15 & PP-2615 (2) Replace Steam Meters & Pneumatic Controls, Bldgs G-650 & M-625 (3) Miscellaneous Repairs to Heating Plants RR-15, BB-C, BA-106, (4) M-230 and M-625 Structural Repairs to Heating Plants, Bldgs 1700 & G-650 Replace Pump Control Cable, Bldg AS-110 Replace Auxiliary Engines, Bldgs 20, 603, 613 & BA-138 (7) Replace Windows, Bldg 20 (8) Chemical Cleaning Water Lines, Bldgs 670, 20 & TT-38 (9) Repairs to Water Distribution Lines, MCAS(H), New River (10)

> (11) Seal & Paint Walls, Bldg 670 (12) Repairs to Oil Pumping Stations M-625, M-230, BB-9, RR-15 & PP-2615

