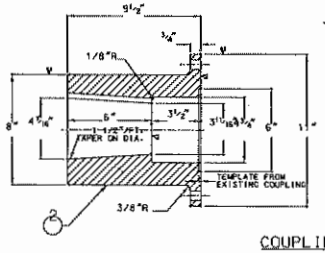
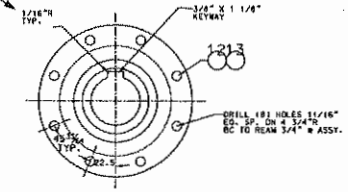
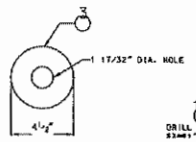
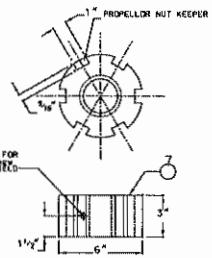


COUPLING DETAIL
DET 7-F
SCALE: 3" = 1'-0"

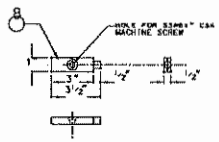




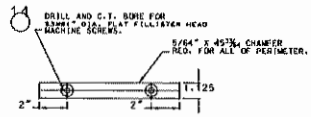
KEEPER PLATE
DET 5-E
SCALE: 3" = 1'-0"



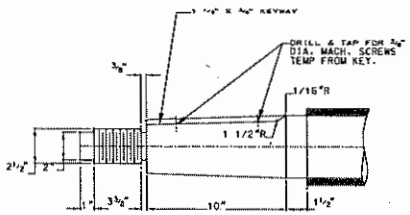
PROPELLER NUT
DET 3-E
SCALE: 3" = 1'-0"



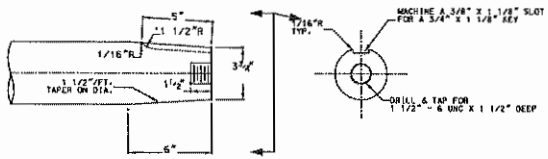
PROPELLER NUT KEEPER
DET 2-E
SCALE: 3" = 1'-0"



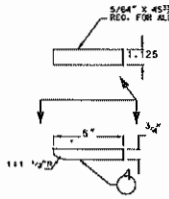
AFT. KEY
DET 8-D
SCALE: 3" = 1'-0"



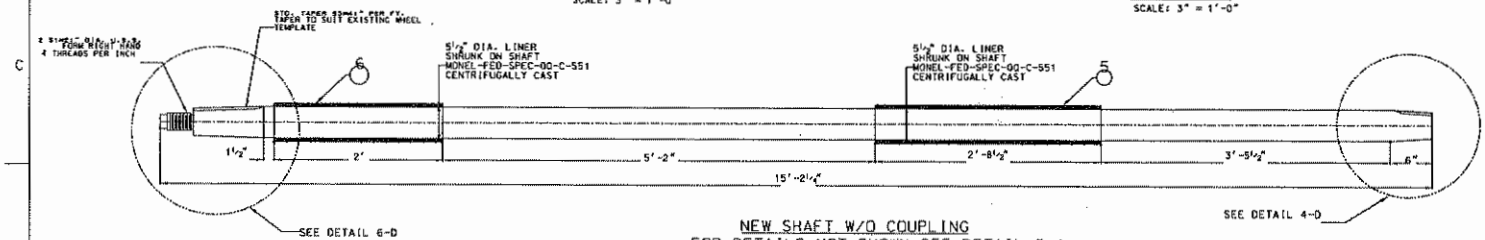
DETAIL 6-D
SCALE: 3" = 1'-0"



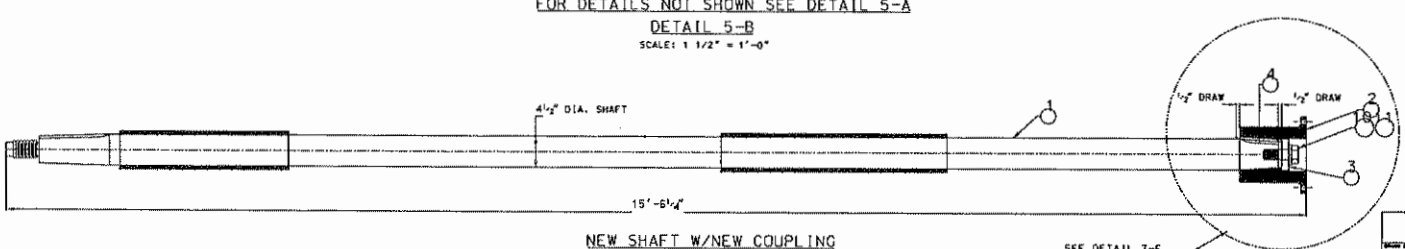
DETAIL 4-D
SCALE: 3" = 1'-0"



FWD KEY
DET 1-D
SCALE: 3" = 1'-0"



NEW SHAFT W/O COUPLING
FOR DETAILS NOT SHOWN SEE DETAIL 5-A
DETAIL 5-B
SCALE: 1 1/2" = 1'-0"



NEW SHAFT W/NEW COUPLING
FOR DETAILS NOT SHOWN SEE DETAIL 5-B
DETAIL 5-A
SCALE: 1 1/2" = 1'-0"

BILL OF MATERIAL

PCMK	DET.	DESCRIPTION	QU	MATERIAL
1	5-A	SHAFT	2	AQUAMET 22
2	7-F	COUPLING	4	ABS GR 2 FORGED STEEL
3	5-E	KEEPER PLATE 4 1/2" DIA X 1"	4	1" PLATE ASTM-36
4	1-D	FWD. KEY 5" X 1 1/8 X 3/4"	4	ABS GR 2 FORGED STEEL
5	5-B	SHAFT LINER 32 1/2" LONG	4	SEE DETAIL
6	5-B	SHAFT LINER 24" LONG	4	SEE DETAIL
7	3-E	PROPELLER NUT	2	
8	2-E	PROPELLER NUT KEEPER	2	
9	8-D	AFT. KEY	2	ABS GR 2 FORGED STEEL
10	5-A	BOLT 1 1/2" X 6 UNC X 3" LG	4	SAE GRADE 5
11	5-A	WASHER 1 9/16"	4	SAE GRADE 5
12	7-F	BOLT 3/4" - LENGTH TBD AT INSTALL.	32	SAE GRADE 5
13	7-F	NUT 3/4"	32	SAE GRADE 5
14	8-E	SCREW 3/8" FLAT FILLISTER HD. MACH	8	
15	3-E	SCREW 3/8" CTSK MACHINE	4	

GENERAL NOTES:

1. THIS DRAWING WAS DELEVELOPED FOR THE FABRICATION OF 2 NEW PROPULSION SHAFTS AND MODIFICATION OF 2 EXISTING SHAFTS FOR THE NEW YORK DISTRICT DEBRIS COLLECTOR 'DRIFTMASTER'.
2. QUANTITES SHOWN ARE FOR 2 NEW SHAFTS AND ADDITIONAL HARDWARE FOR THE MODIFICATION OF THE 2 EXISTING SHAFTS.
3. MODIFICATIONS TO EXISTING SHAFTS ARE SHOWN ON DRAWING 347-C610-02.
4. LOCK-TITE REQUIRED ON ALL BOLTS.

NO.	REFERENCES
1	EXISTING SHAFT MODIFICATIONS 347-C610-02

DEPARTMENT OF THE ARMY
MARINE DESIGN CENTER
CORPS OF ENGINEERS

DRAWN BY: R. MCMULLEN | CHECKED BY: R. SAMUEL | APPROVED BY: | DATE: 3/29/02

US Army Corps of Engineers

NEW YORK DISTRICT
"DRIFTMASTER"

NEW
SHAFT DETAILS

MARINE DESIGN CENTER

SIZE: D | PROJECT NO.: 2580 | DWG. NO.: 347-C610-01 | REV.: 0

SCALE: AS NOTED | SHEET 1 OF 1

DRIFTMASTER