

VICINITY MAP: From USGS QUADS, Sitka D-5, D-6

SCALE, IN MILES



PART OF TOWNSHIPS T 44 S AND T 45 S,
RANGES R 60 E AND R 61 E, C.R.M.



LEGEND

-  STATE & PRIVATE LAND HOLDINGS
-  LANDS MANAGED BY US FOREST SERVICE
- LTF EXISTING LOG TRANSFER FACILITY
-  FOREST SERVICE ROAD NUMBER

DATE: 05-17-2000	APPLICANT: M. Parker USDA Forest Service
SALT LAKE BAY LOG TRANSFER FACILITY	
ENVIRONMENTAL PROTECTION AGENCY NPDES GENERAL PERMIT	
SEC. 14, WITHIN T.45 S., R. 60 E., CRM	
SHEET 1 OF 6	

DRAWN BY: K. ELMORE
DATE: 5/10/2000

MEANDER COURSES ARE NOT SHOWN ON THIS DIAGRAM

EASEMENT DIAGRAM BASED ON PAPER PLAT DATED 2/11/88 AND FILED WITH DEPARTMENT OF NATURAL RESOURCES, DIVISION OF LANDS

TIDELAND EASEMENT
PROJECT AREA
29.51 ACRES

EXISTING EMBANKMENT PAD FOR LTF;
LTF; CONSTRUCTION OF NEW LTF
AND EQUIPMENT RAMP TO BE
COMPLETED WITHIN EXISTING
FOOTPRINT

EBB
S 34° 24' 32" E (TRUE)
1511.85 FT.

SALT LAKE BAY FLOOD

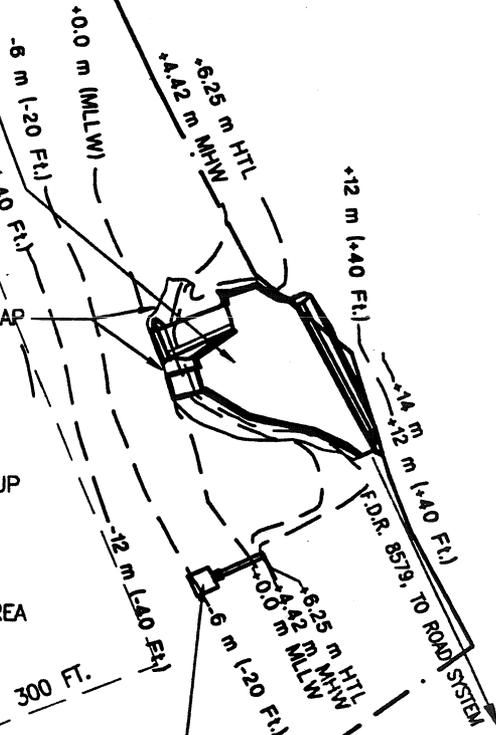
TOE OF CLASS 6 RIPRAP

LOG RAFT

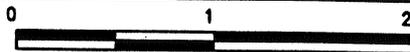
MAKE-UP

AREA

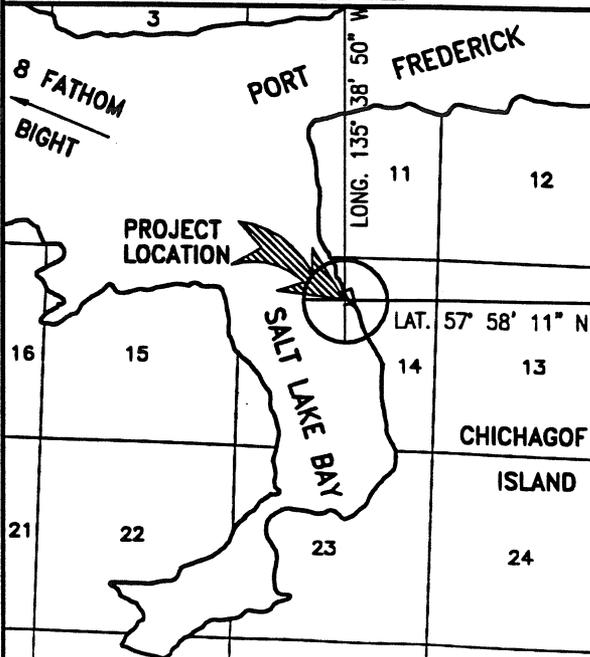
APPROXIMATE LOCATION
OF USFS SMALL BOAT/
SEAPLANE FLOAT



VICINITY MAP: USGS QUAD's;
Sitka D-5, D-6



SCALE IN MILES



SITE PLAN

(MAGNETIC)
(27° DECLINATION
PER USGS MAP, 1987)

TIDAL DATUM: (FROM SALT LAKE BAY USC & GS BENCH)
ESTIMATED HIGHEST WATER (HTL): 20.5 FT. (6.25 m)
MEAN HIGH WATER (MHW): 14.5 FT. (4.42 m)
MEAN LOWER LOW WATER (MLLW): 0.0 FT. (0.0 m)

DRAWN BY: KHE DATE: 6/16/2000



SCALE IN FEET
(1 INCH = 250 FEET)
CONTOURS IN METERS

DATE: 06-26-2000 APPLICANT: M. Parker
USDA Forest Service

SALT LAKE BAY LOG TRANSFER FACILITY

ENVIRONMENTAL PROTECTION AGENCY
GENERAL NPDES PERMIT

SEC. 14, WITHIN T.45 S., R. 60 E., CRM

SHEET 2 OF 6

EXCAVATE EXISTING EMBANKMENT MATERIAL TO CONSTRUCT EQUIPMENT RAMP; SALVAGE EXCAVATED EMBANKMENT MATERIAL AND USE AS BORROW EXCAVATION FOR OTHER UPLANDS WORK

18% SHOT-ROCK SURFACE EQUIPMENT RAMP WITH PARTIAL HEIGHT CLASS 6 RIPRAP BUTTRESS WALL SLOPED AT 0.75 V TO 1.00 H FROM ELEV. +0.0 FT. TO ELEV. +9.8 FT.

TOE OF CLASS 6 RIPRAP

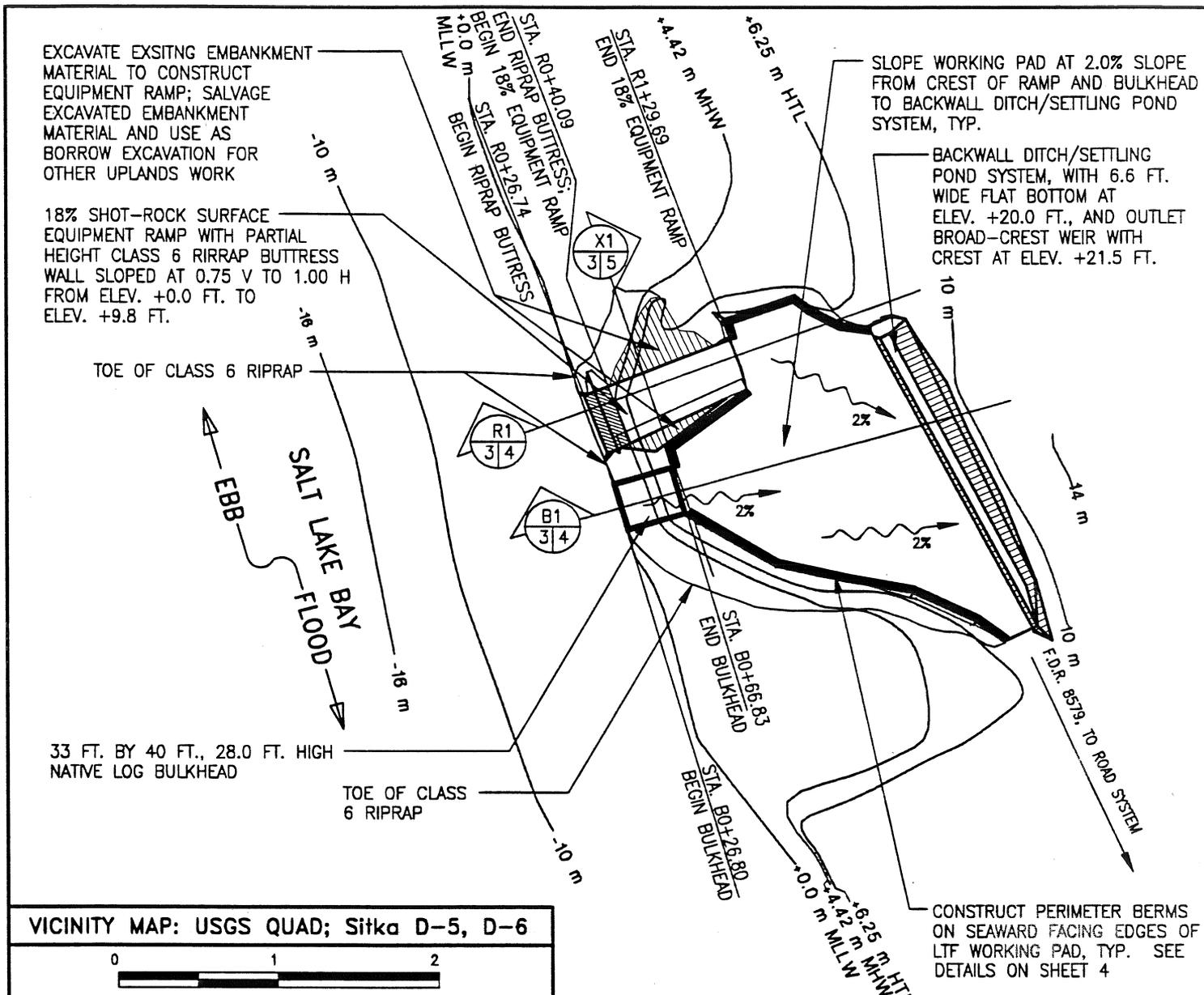
33 FT. BY 40 FT., 28.0 FT. HIGH NATIVE LOG BULKHEAD

TOE OF CLASS 6 RIPRAP

SLOPE WORKING PAD AT 2.0% SLOPE FROM CREST OF RAMP AND BULKHEAD TO BACKWALL DITCH/SETTLING POND SYSTEM, TYP.

BACKWALL DITCH/SETTLING POND SYSTEM, WITH 6.6 FT. WIDE FLAT BOTTOM AT ELEV. +20.0 FT., AND OUTLET BROAD-CREST WEIR WITH CREST AT ELEV. +21.5 FT.

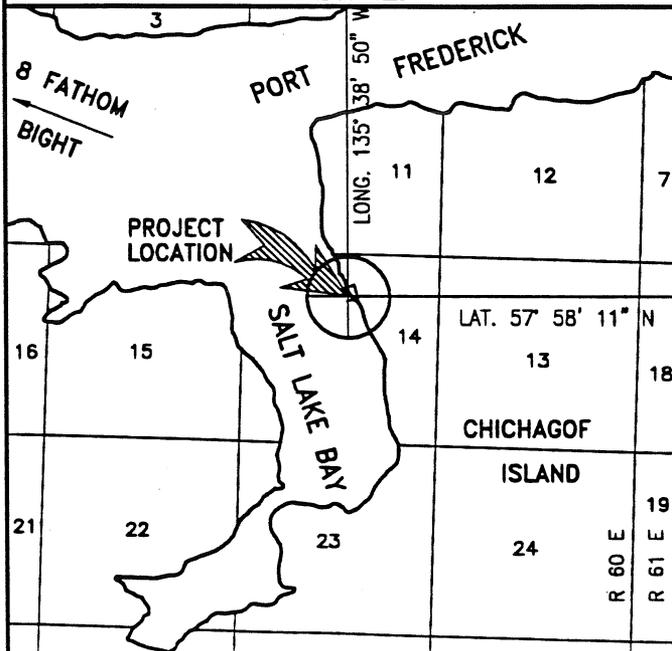
CONSTRUCT PERIMETER BERMS ON SEAWARD FACING EDGES OF LTF WORKING PAD, TYP. SEE DETAILS ON SHEET 4



VICINITY MAP: USGS QUAD; Sitka D-5, D-6



SCALE IN MILES



SITE PLAN



SCALE IN FEET
CONTOURS IN METERS

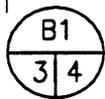
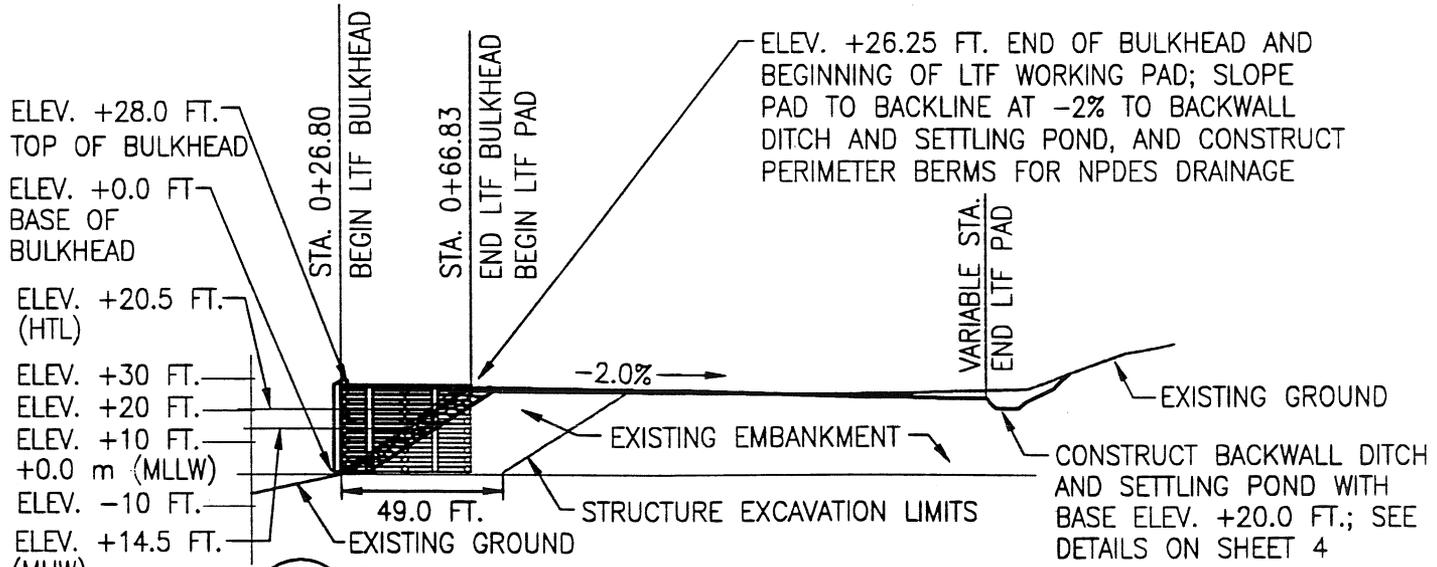


(MAGNETIC)

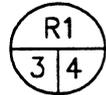
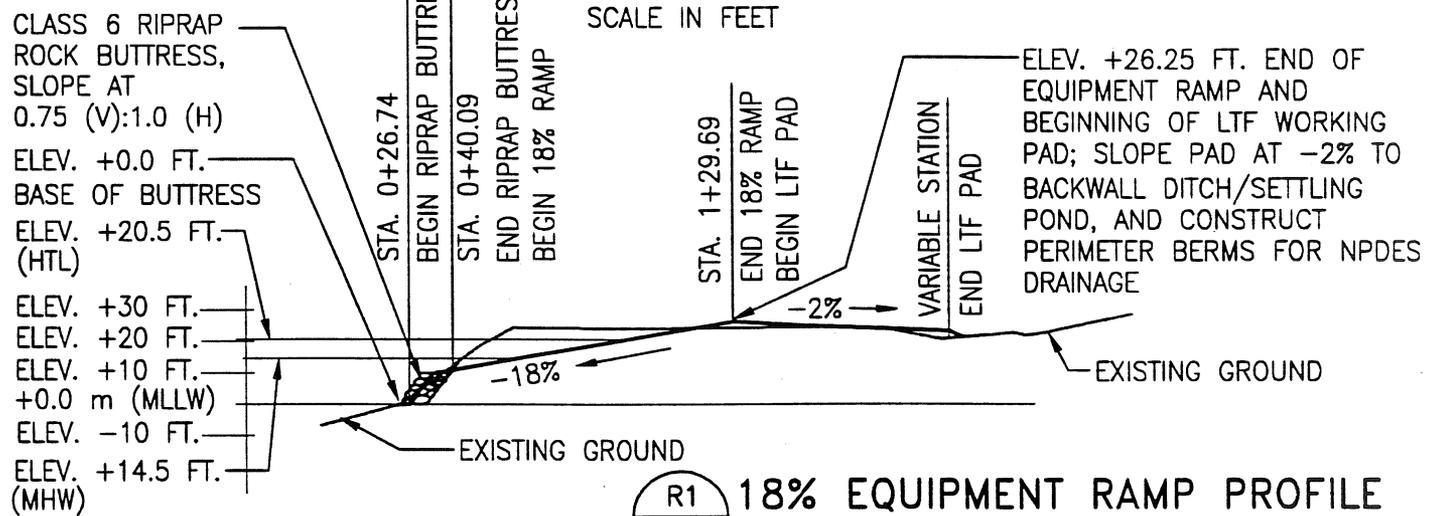
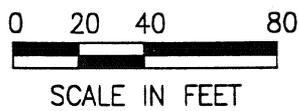
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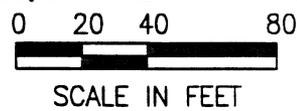
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SALT LAKE BAY LOG TRANSFER FACILITY	
ENVIRONMENTAL PROTECTION AGENCY GENERAL NPDES PERMIT	
SEC. 14, WITHIN T.45 S., R. 60 E., CRM	
SHEET 3 OF 6	



PROFILE THROUGH BULKHEAD & PAD



18% EQUIPMENT RAMP PROFILE



INTERTIDAL/SUBTIDAL IMPACTS:

BELOW MHW:

1. CONSTRUCT 65' X 99' OVERALL DIMENSION 18% SLOPE SHOT-ROCK FILL RAMP WITH 30' BY 86' DRIVING SURFACE AND 33' BY 40' BY 28' NATIVE LOG BULKHEAD.
2. EXCAVATE 2,100 C.Y. MATERIAL FROM ORIGINAL STRUCTURE EMBANKMENT. UTILIZE MATERIAL FOR UPLANDS CONSTRUCTION IN ACCORDANCE WITH BEST MANGEMENT PRACTICES.
3. PLACE 96 C.Y. CLEAN CLASS 6 RIPRAP FOR BUTTRESS AT SEAWARD END OF 18% RAMP. PLACE 500 C.Y. CLEAN SHOT ROCK FILL INSIDE 33 FT. x 40 FT. NATIVE LOG BULKHEAD.
4. PLACE 1,060 C.Y. CLASS 6 RIPRAP SLOPE PROTECTION.
5. AREA OF IMPACT IS WITHIN FOOTPRINT OF ORIGINAL STRUCTURE.

BETWEEN MHW AND HTL:

1. EXCAVATE 400 C.Y. MATERIAL FROM ORIGINAL STRUCTURE EMBANKMENT TO CONSTRUCT 18% SLOPE EQUIPMENT RAMP.
2. PLACE 120 C.Y. CLEAN SHOT ROCK FILL MATERIAL WITHIN 33 FT. BY 40' NATIVE LOG BULKHEAD.
3. PLACE 260 C.Y. CLASS 6 RIPRAP SLOPE PROTECTION.
4. AREA OF IMPACT IS WITHIN FOOTPRINT OF ORIGINAL STRUCTURE.

DRAWN BY: KHE DATE: 6/17/2000

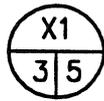
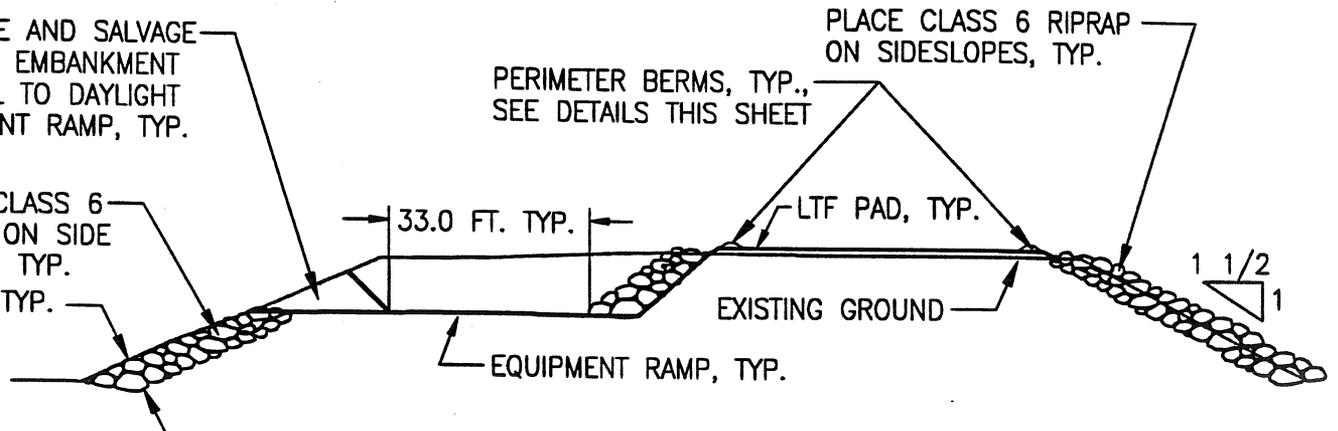
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SHEET 4 OF	

EXCAVATE AND SALVAGE
EXISTING EMBANKMENT
MATERIAL TO DAYLIGHT
EQUIPMENT RAMP, TYP.

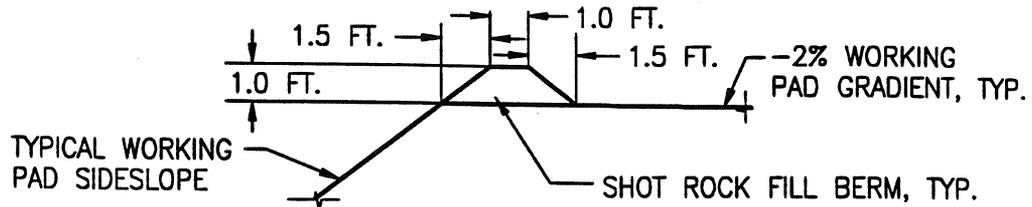
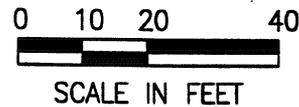
PLACE CLASS 6
RIPRAP ON SIDE
SLOPES, TYP.
1.5 m, TYP.

PERIMETER BERMS, TYP.,
SEE DETAILS THIS SHEET

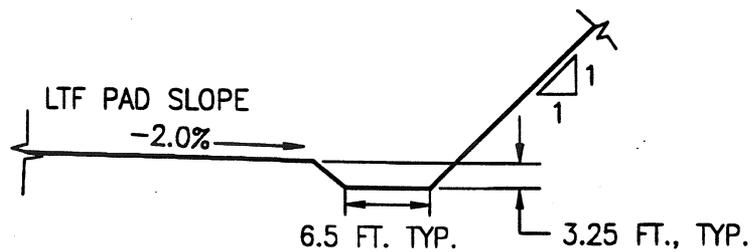
PLACE CLASS 6 RIPRAP
ON SIDESLOPES, TYP.



TYPICAL RAMP SECTION



TYPICAL PERIMETER BERM

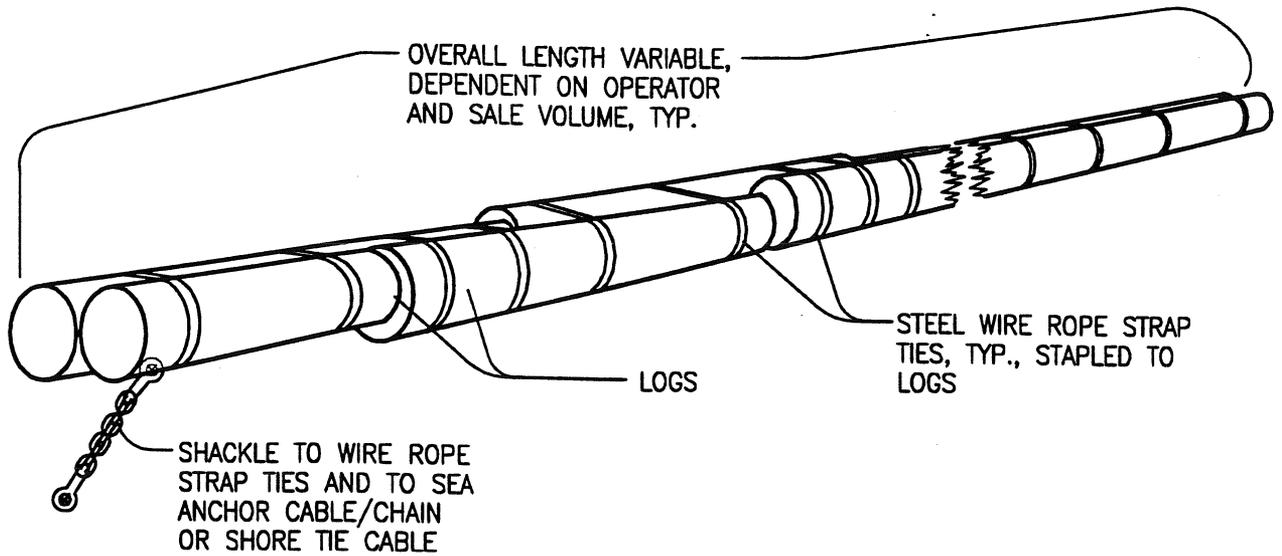


DITCH/POND TYPICAL SECTION

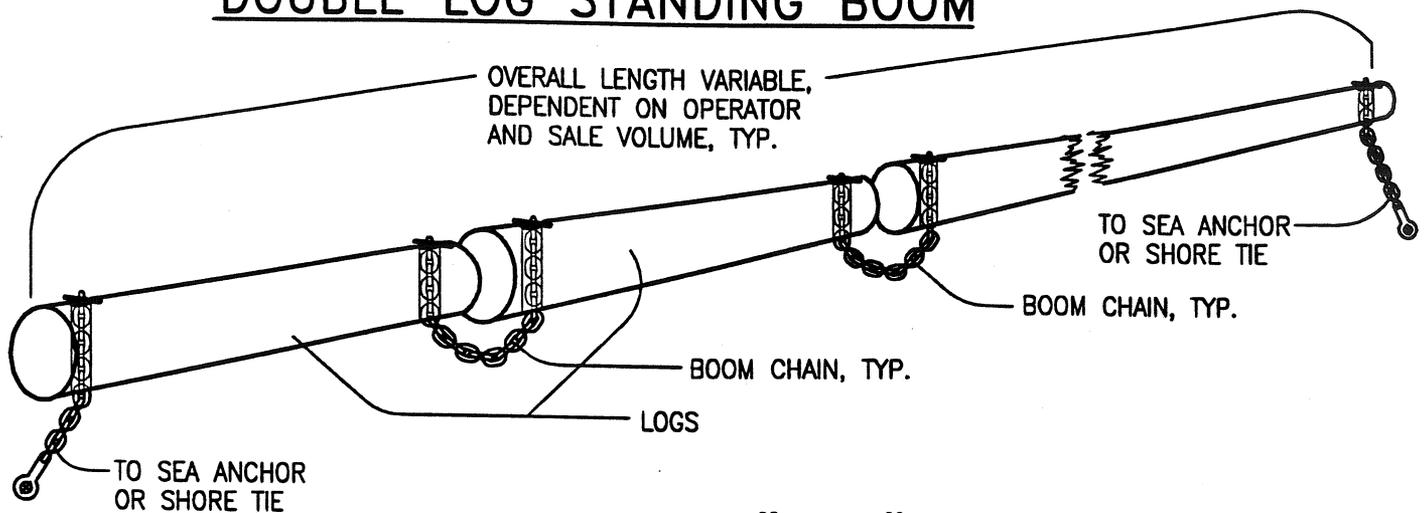
NO SCALE

DRAWN BY: KHE DATE: 6/17/2000

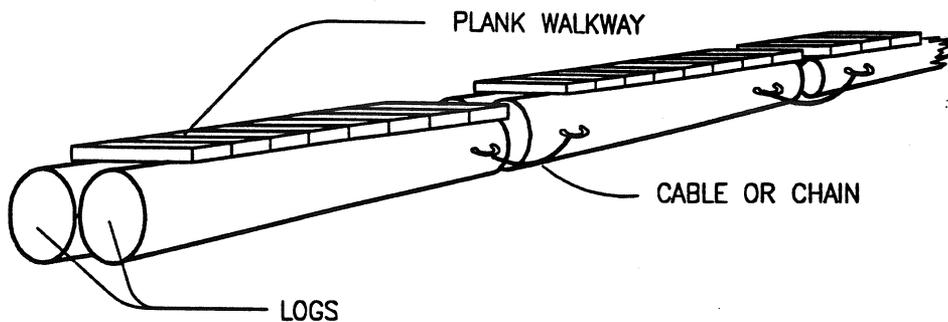
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SHEET 5 OF 6	



DOUBLE LOG STANDING BOOM



SINGLE LOG "BAG" BOOM



DOUBLE LOG STIFFLEG

NOTE:
 TIMBER OPERATORS MAY USE ANY OR ALL OF THE TYPICAL BOOMS ILLUSTRATED, DEPENDENT ON THE OPERATOR'S EQUIPMENT AND/OR THE VOLUME OF TIMBER BEING HARVESTED. ALL THREE OF THE BOOMS ILLUSTRATED MAY BE TIED TO SHORE WITH WIRE ROPE OR CONNECTED TO SEA ANCHORS.

PURPOSE:

CONTAINMENT OF LOGS
 TRANSFERRED TO WATER
 AND LOG RAFT MAKE-UP

drawn by: K. Elmore

STANDARD
 LOG BOOMS
 TYPICAL DETAILS

NO SCALE

DATE: 03-29-2001

APPLICANT: M. Parker
 USDA Forest Service

SALT LAKE BAY LOG TRANSFER FACILITY

ENVIRONMENTAL PROTECTION AGENCY
 NPDES GENERAL PERMIT

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