



**US Army Corps
of Engineers**
Portland District

PUBLIC NOTICE

for PERMIT APPLICATION

Issue Date: August 26, 2004

Expiration Date: September 27, 2004

Corps of Engineers Action ID: 200300640

Oregon Division of State Lands Number: 31193-RF

30 Day Notice

Interested parties are hereby notified that an application has been received for a Department of the Army permit for certain work in waters of the United States, as described below and shown on the attached plan.

Comments: Comments on the described work should reference the U.S. Army Corps of Engineers number shown above and should reach this office no later than the above expiration date of this Public Notice to become part of the record and be considered in the decision. Comments should be mailed to the following address:

U.S. Army Corps of Engineers
ATTN: CENWP-OP-GP (Ms. Kathryn L. Harris)
P.O. Box 2946
Portland, Oregon 97208-2946

Applicant: Port of Tillamook Bay
400 Blimp Avenue
Tillamook, Oregon 97141

Location: Wetlands adjacent to, intermittent tributaries to, and in Raccoon Creek, within a site located south of the Tillamook airport, east of Highway 101, and north of Brickyard and South Prairie Roads, in Sections 8 and 9 of Township 2 South, Range 9 West, near Tillamook, Tillamook County, Oregon.

Project Description: The applicant proposes to construct a convention center capable of accommodating up to 450 persons, construct a 150 room hotel, construct a Scottish Links style 18-hole golf course with driving range and clubhouse, develop 256 individual residential lots, and construct an 80-foot earthen dam to create a 20-acre reservoir. The reservoir would provide irrigation water, year round flow to current intermittent streams, boating and swimming opportunities for guests.

Construction of golf cart paths would impact 0.01 acre of wetland from pile placement and shade 0.52 acre. Additionally, development of the fairways would impact an undisclosed amount of wetland through selected vegetation removal.

Construction of access roads would impact 0.08 acre of wetland.

Construction of the dam would impact 1.19 acre of stream and wetland. An additional 5.3 acre of stream and wetland would be inundated by the reservoir.

To compensate for the impacts listed above, the applicant has proposed creating 2.77 acres of wetland, creating 840 linear feet of overflow channel on Raccoon Creek, and enhancing 2,400 linear feet of Raccoon Creek.

If a permit is issued, the Corps will determine what is appropriate and practicable compensatory mitigation. The amount of compensatory mitigation required shall be commensurate with the anticipated impacts of the project.

Purpose: To develop a convention center with recreational opportunities.

Drawings: Figures 1-32

Additional Information: Additional information may be obtained from Ms. Kathryn L. Harris, Project Manager, U.S. Army Corps of Engineers at (503) 808-4387.

Authority: This permit will be issued or denied under the following:

Section 404, Clean Water Act (33 U.S.C. 1344), for discharge of dredged or fill material into waters of the United States.

Water Quality Certification: A permit for the described work will not be issued until certification, as required under Section 401 of the Clean Water Act (P.L. 95-217), has been received or is waived from the certifying state. Attached is the state's notice advertising the request for certification.

Section 404(b)(1) Evaluation: The impact of the activity on the public interest will be evaluated in accordance with the Environmental Protection Agency guidelines pursuant to Section 404(b)(1) of the Clean Water Act.

Coastal Zone Management Act Certification: A permit for the described work will not be issued until the state has concurred with the applicant's certification that the described activity affecting land or water uses in the Coastal Zone complies with the State Coastal Zone Management Program. Section 307(c)(3) of the Coastal Zone Management Act of 1972, as amended by 16 U.S.C. 1456(c)(3) requires the applicant to provide a Certification of Consistency statement. If the state fails to concur or object to the certification statement within six months, state concurrence shall be conclusively presumed. Attached to this Public Notice is a notice of application for Certification of Consistency with the State's Coastal Zone Management Program.

Public Hearing: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

Endangered Species: Preliminary determinations indicate that the proposed activity may affect an endangered or threatened species or its critical habitat. Consultation under Section 7 of the

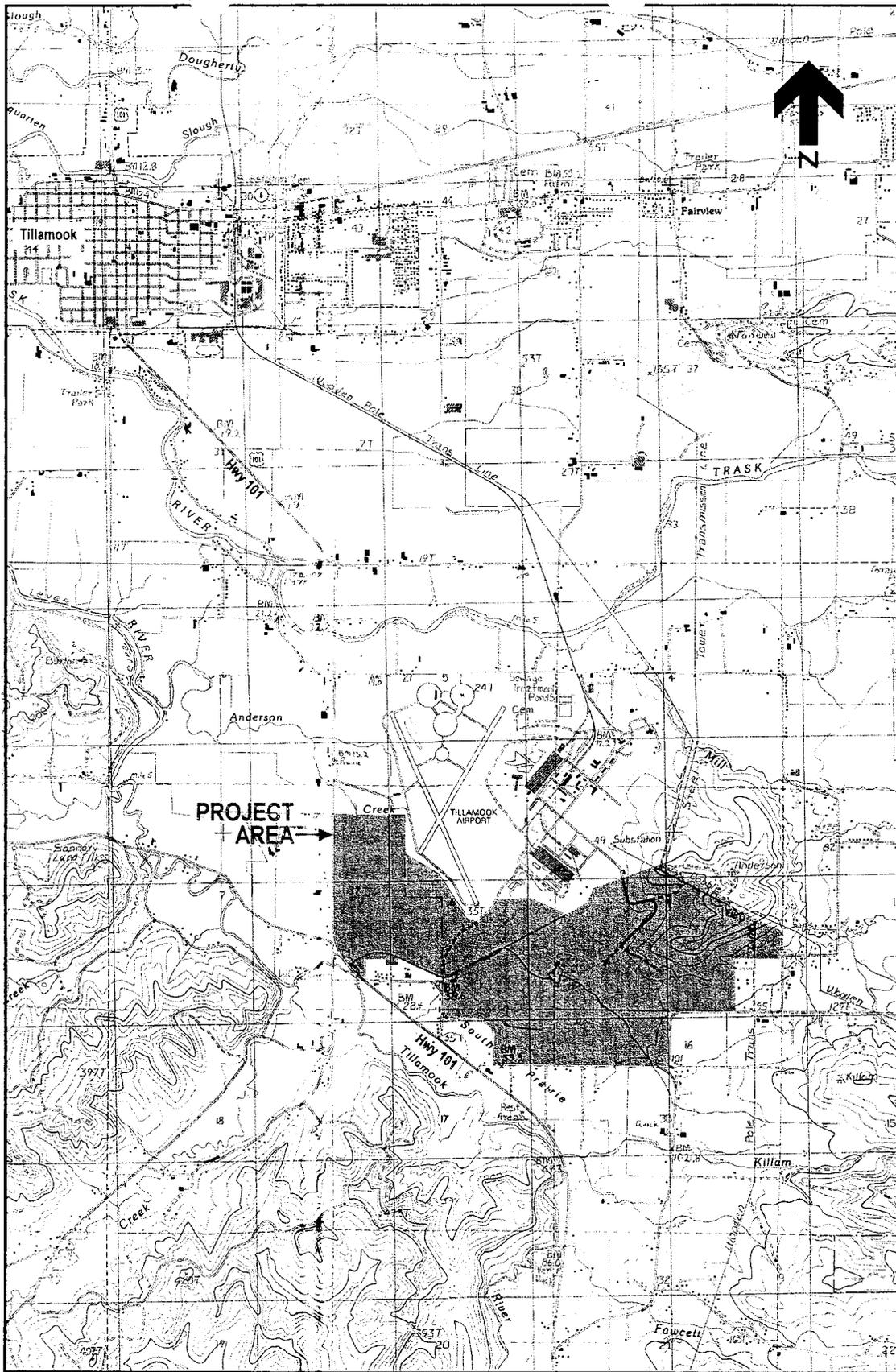
Endangered Species Act of 1973 (87 Stat. 844) will be initiated. A permit for the proposed activity will not be issued until the consultation process is completed.

Cultural Resources: The described activity is not located on property registered or eligible for registration in the latest published version of the National Register of Historic Places. This notice has been provided to the State Historic Preservation Office.

Evaluation: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the described activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonably may be expected to accrue from the described activity, must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the described activity will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, consideration of property ownership and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Additional Requirements: State law requires that leases, easements, or permits be obtained for certain works or activity in the described waters. These State requirements must be met, where applicable, and a Department of the Army permit must be obtained before any work within the applicable Statutory Authority, previously indicated, may be accomplished. Other local governmental agencies may also have ordinances or requirements, which must be satisfied before the work is accomplished.



PORT OF TILLAMOOK BAY
GOLF RESORT

Vicinity Map

ISI OREGON FACILITIES
CORPORATION, LLC

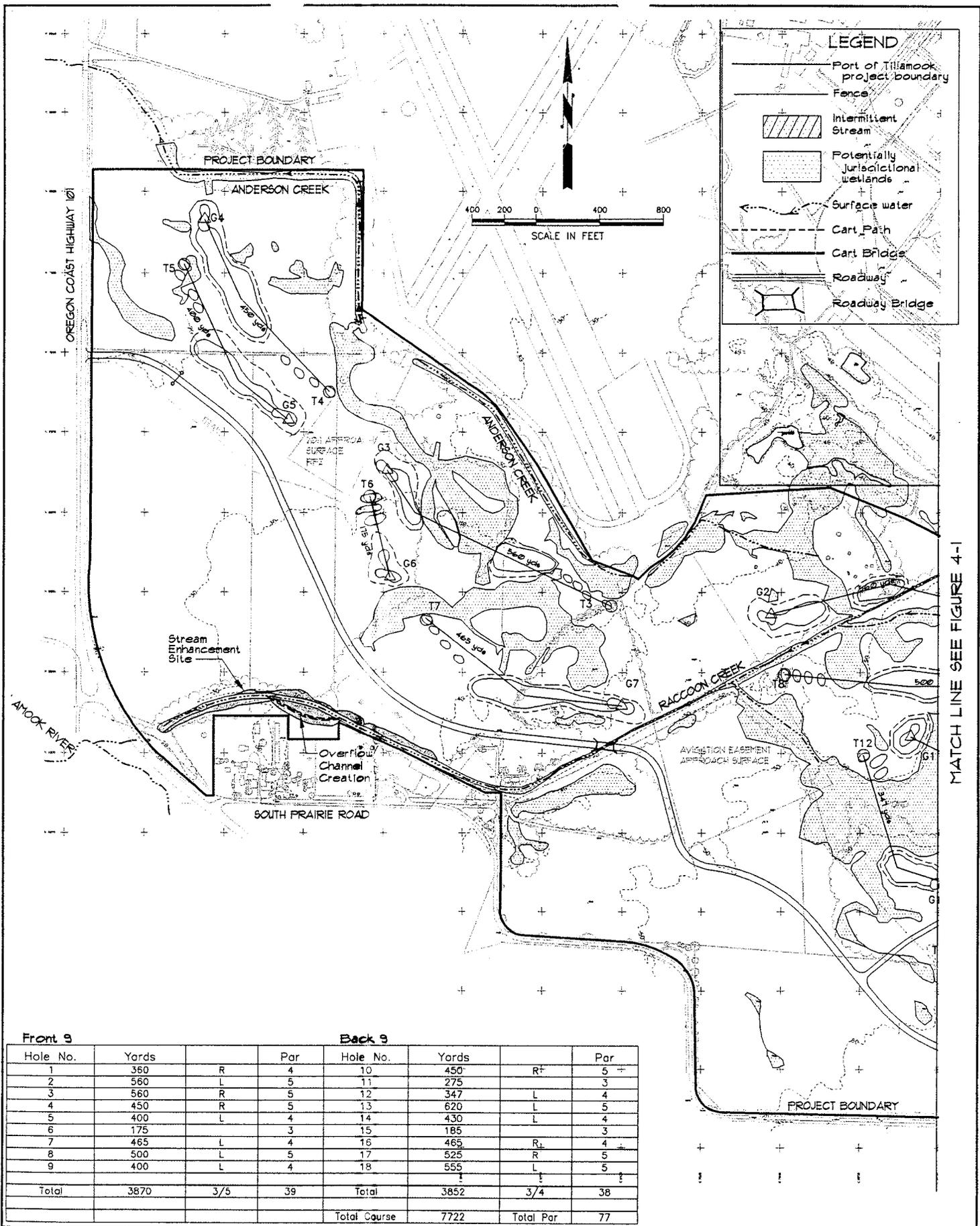
Corps ID No. 200300640
Figure 1

Wetland and Stream Impacts

	LF	SF	Acres	VOL CY	Notes
<u>Golf Course</u>					
Boardwalk above Wetland	2,265	22,650	0.52		
Piles in Wetland (fill)		453	0.01	168	1
<u>Access roads to Hotel/Residential</u>					
Bridge mid span supports (Filled wetland)		3,300	0.08	550	
<u>Dam</u>					
Stream removed (excavation)	60	2,880	0.07	1,067	
Stream/Wetland filled (Dam)	800	52,000	1.19	36,954	
Stream/Wetland inundated by Dam	300	15,200	0.35	-	
Intermittent stream inundated by dam	3,170	215,620	4.95	-	
<u>Mitigation:</u>					
Wetland Creation		120,661	2.77		
Raccoon Creek enhancement	2,400	60,000	1.38		
Overflow channel creation	840		0.48		
<u>Summary:</u>					
<u>Outside Dam</u>					
Wetlands Filled		3,753	0.09	718	
Stream inundated	3,170	15,200	0.35		
Wetlands with boardwalk structures above		22,650	0.60		
<u>Dam</u>					
Stream removal (Dam)	60	2,880	0.07	1,067	
Stream/Wetland filled (Dam)	800	52,000	1.19	36,954	

Notes:

1. Assumes 1 SF of pile 10 feet deep per 5 LF of Boardwalk



Front 9

Back 9

Hole No.	Yards		Par	Hole No.	Yards		Par
1	360	R	4	10	450	R†	5
2	560	L	5	11	275		3
3	560	R	5	12	347	L	4
4	450	R	5	13	620	L	5
5	400	L	4	14	430	L	4
6	175		3	15	185		3
7	465	L	4	16	465	R†	4
8	500	L	5	17	525	R	5
9	400	L	4	18	555	L	5
Total	3670	3/5	39	Total	3852	3/4	38
				Total Course	7722	Total Par	77



PORT OF TILLAMOOK BAY GOLF COURSE

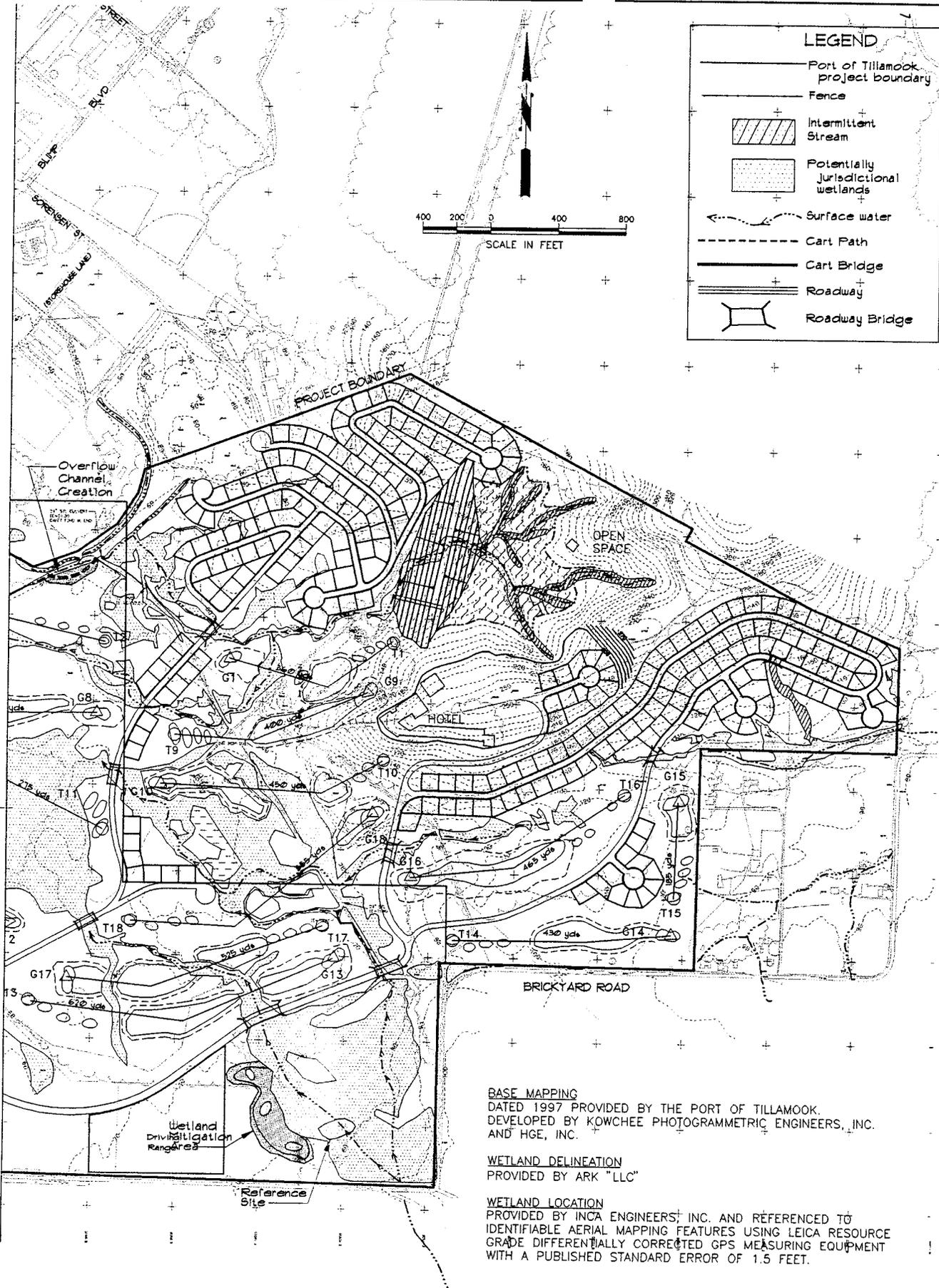
TOTAL SITE MAP

Corps ID No. 200300640
Figure 4

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7/29/2004 3:06 p.m. L:\2002\02-0407\CADD\VRANS\SITE-ALL.DWG ICA_HPOD 01F 1.0

MATCH LINE SEE FIGURE 4



BASE MAPPING
 DATED 1997 PROVIDED BY THE PORT OF TILLAMOOK.
 DEVELOPED BY KOWCHEE PHOTOGRAMMETRIC ENGINEERS, INC.
 AND HGE, INC.

WETLAND DELINEATION
 PROVIDED BY ARK "LLC"

WETLAND LOCATION
 PROVIDED BY INCA ENGINEERS, INC. AND REFERENCED TO
 IDENTIFIABLE AERIAL MAPPING FEATURES USING LEICA RESOURCE
 GRADE DIFFERENTIALLY CORRECTED GPS MEASURING EQUIPMENT
 WITH A PUBLISHED STANDARD ERROR OF 1.5 FEET.



PORT OF TILLAMOOK BAY GOLF COURSE

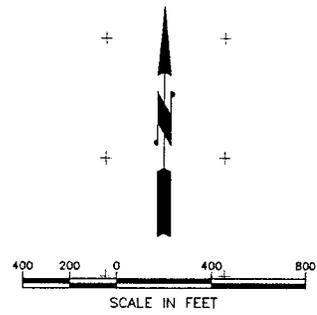
TOTAL SITE MAP

Corps ID No. 200300640
 Figure 5

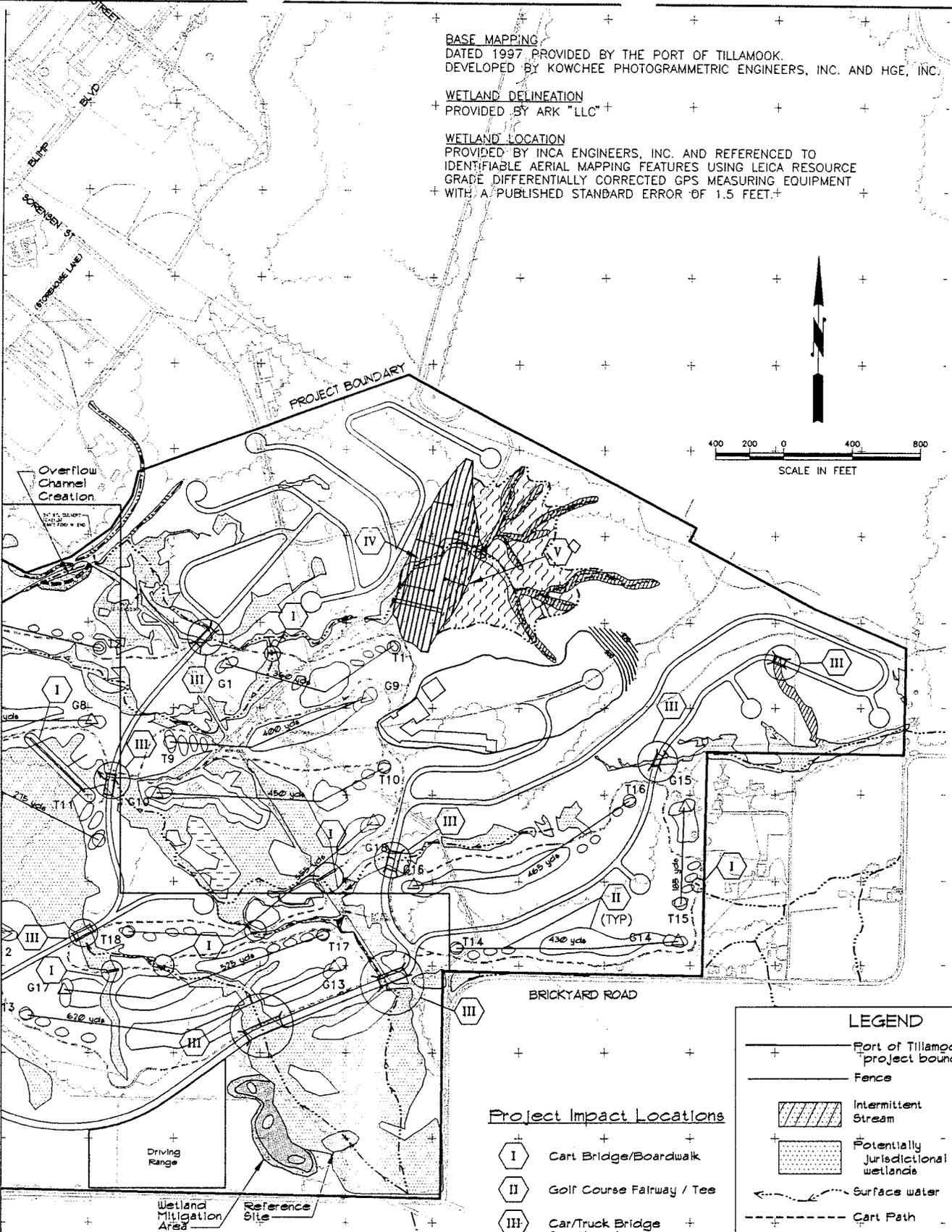
BASE MAPPING
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 WITH A PUBLISHED STANDARD ERROR OF 1.5 FEET.



MATCH LINE SEE FIGURE 2



Project Impact Locations

- I Cart Bridge/Boardwalk
- II Golf Course Fairway / Tee
- III Car/Truck Bridge
See Note 1
- IV Dam Fill
- V Dam Inundation

LEGEND

- Port of Tillamook project boundary
- Fence
- Intermittent Stream
- Potentially jurisdictional wetlands
- Surface water
- Cart Path
- Cart Bridge
- Roadway
- Roadway Bridge

Notes:
 Bridge spans greater than 30' will require intermediate support in the wetland.
 See Figure 19A

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PORT OF TILLAMOOK BAY GOLF COURSE
**WETLAND AND STREAM
 IMPACT LOCATIONS**

Corps ID No. 200300640
 Figure 7

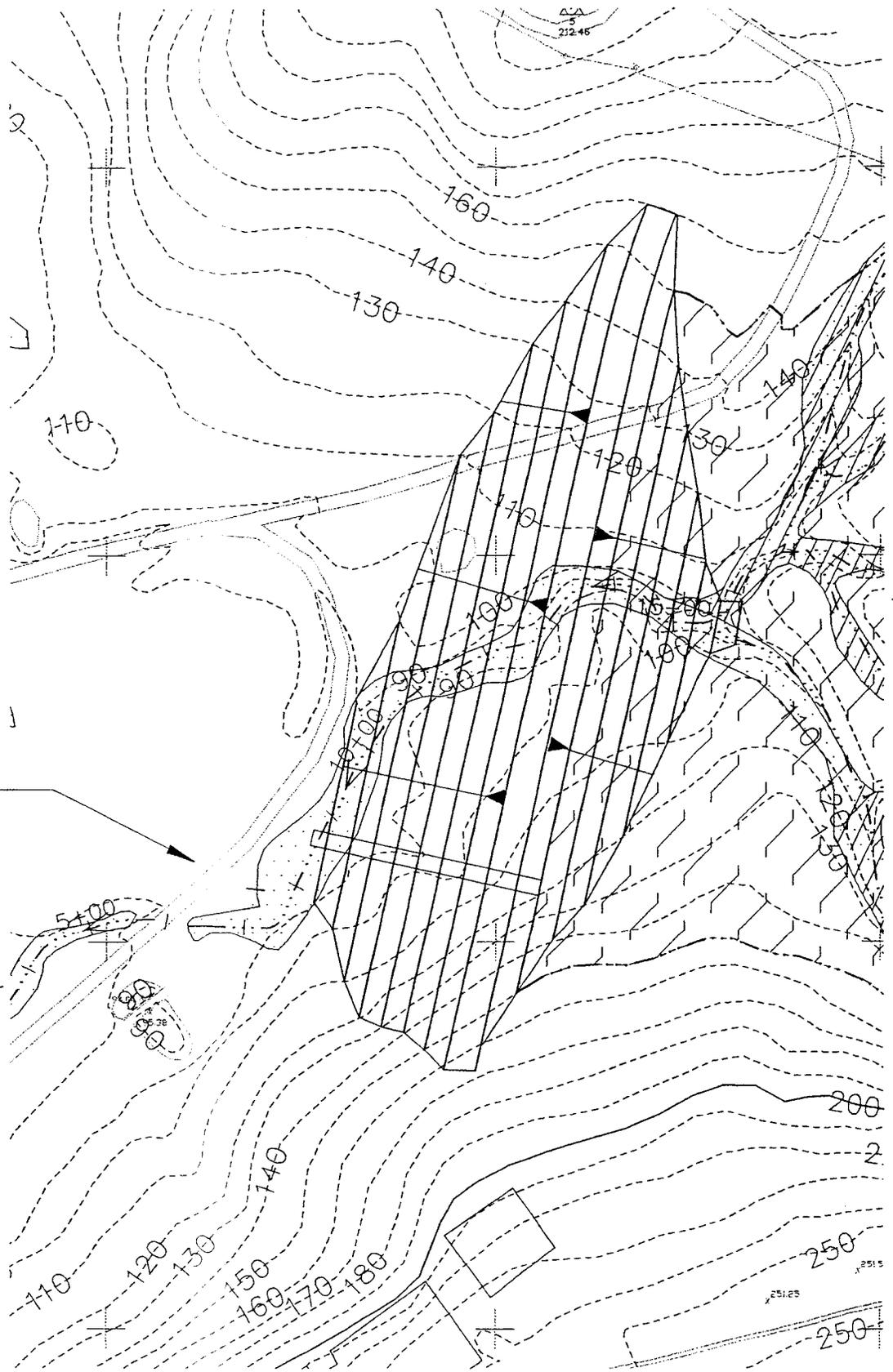
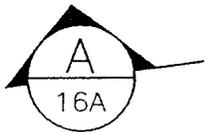


SCALE IN FEET



ALL LARGE
TREES
TO BE
PROTECTED

20'x200'
STEPPED
OVERFLOW
SPILLWAY
ON DAM
FACE

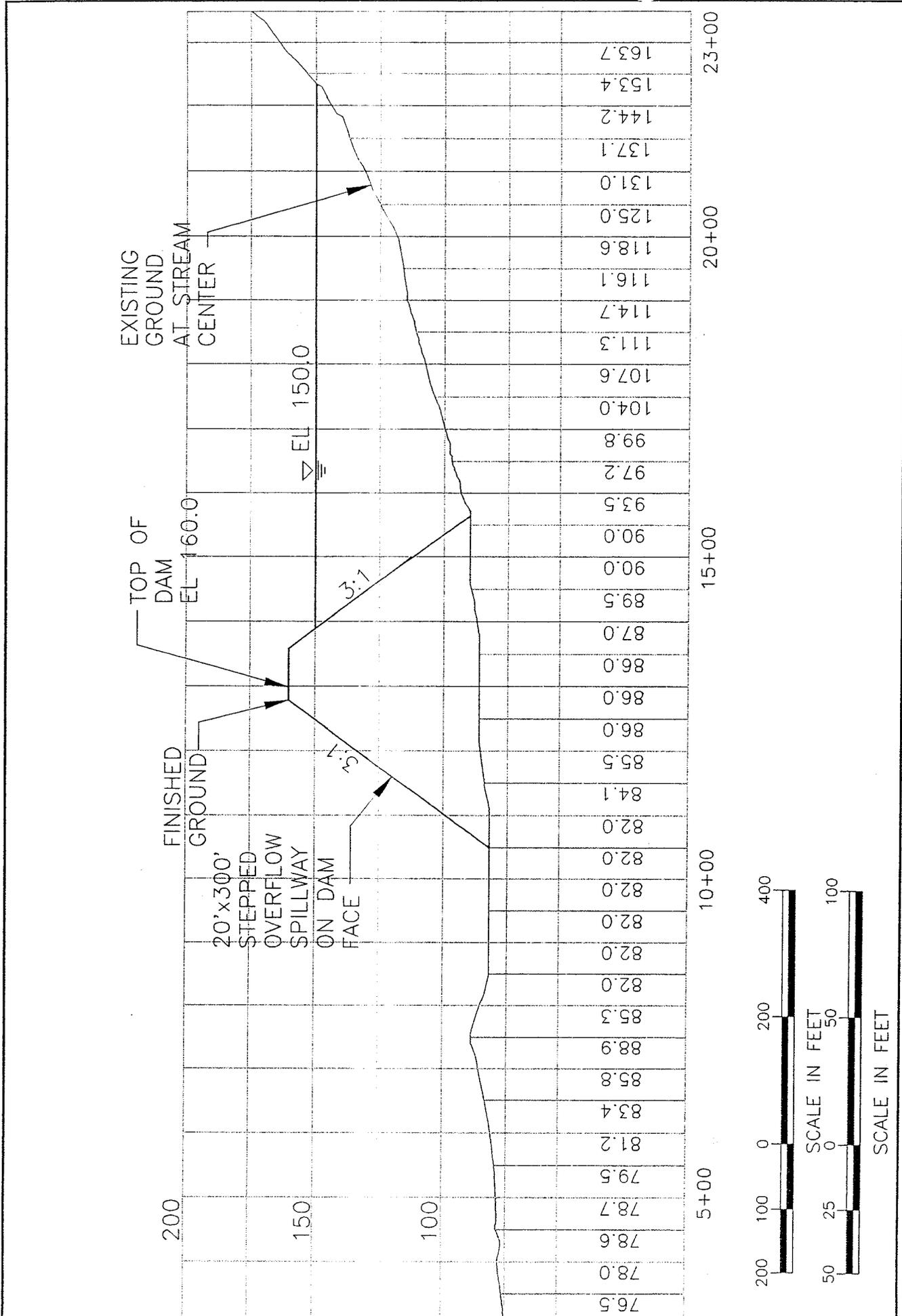


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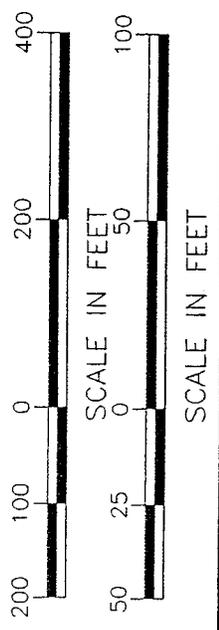
PORT OF TILLAMOOK BAY GOLF COURSE
EARTH DAM
SITE LOCATION MAP

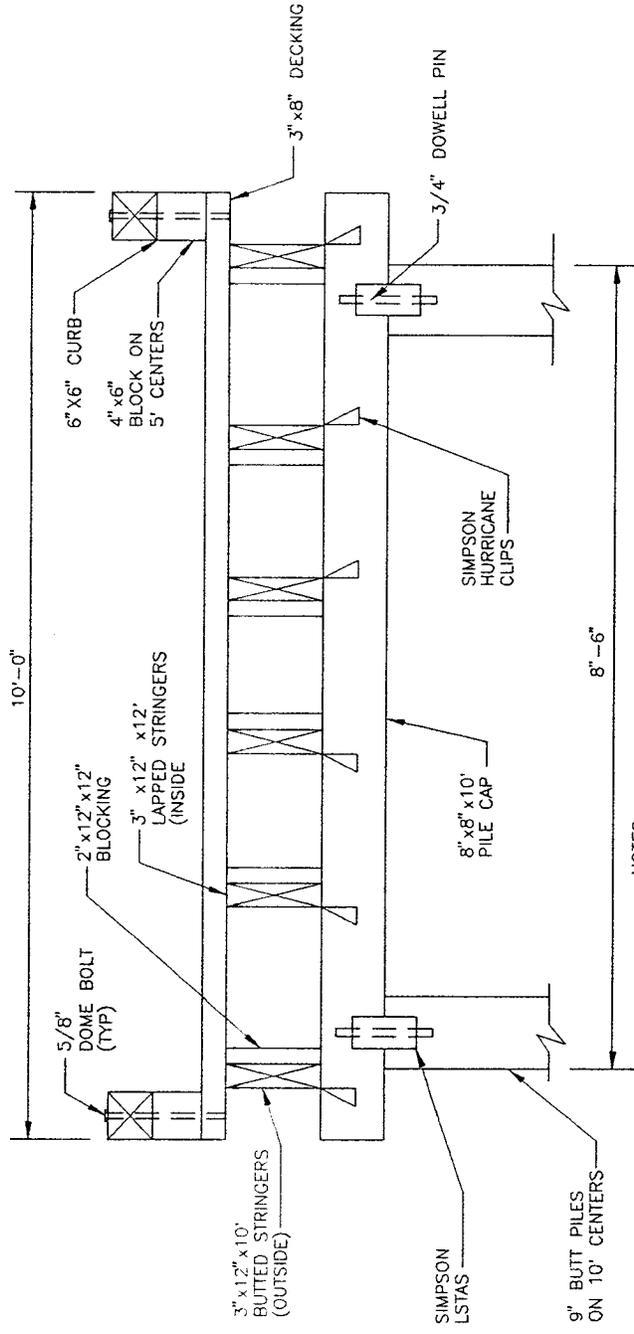
Corps ID No. 200300640
Figure 8



Corps ID No. 200300640
Figure 9

PORT OF TILLAMOOK BAY GOLF COURSE
EARTH DAM
SECTION A-A TAKEN AT STREAM





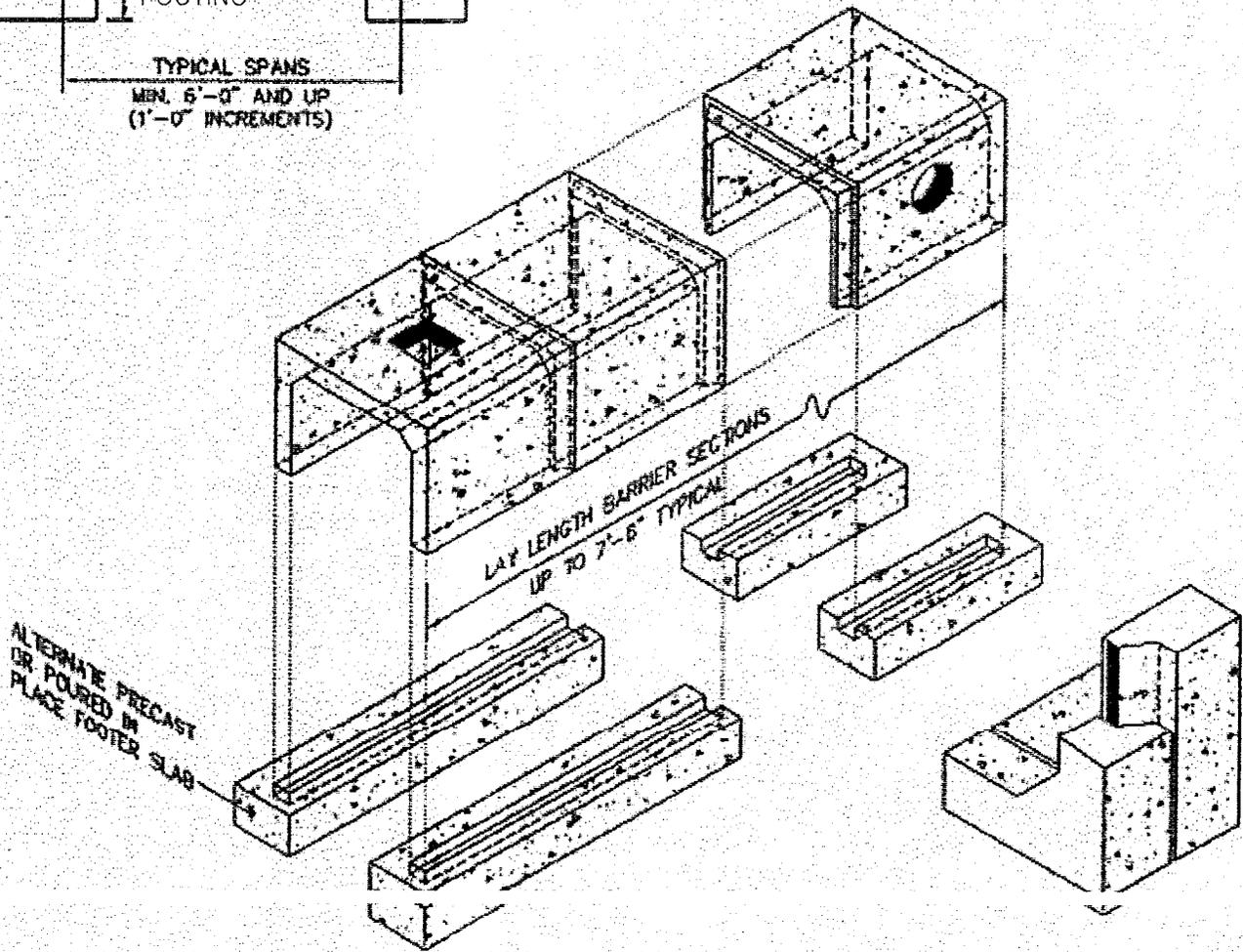
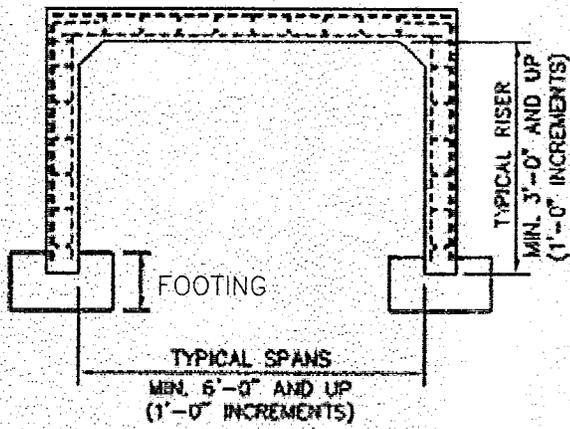
NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL HARDWARE WILL BE ASTM A307 STEEL AND HOT DIP GALVANIZED PER AASHTO M-232



PORT OF TILLAMOOK BAY GOLF COURSE
CART CROSSING / BOARDWALK
5 TON TIMBER BRIDGE

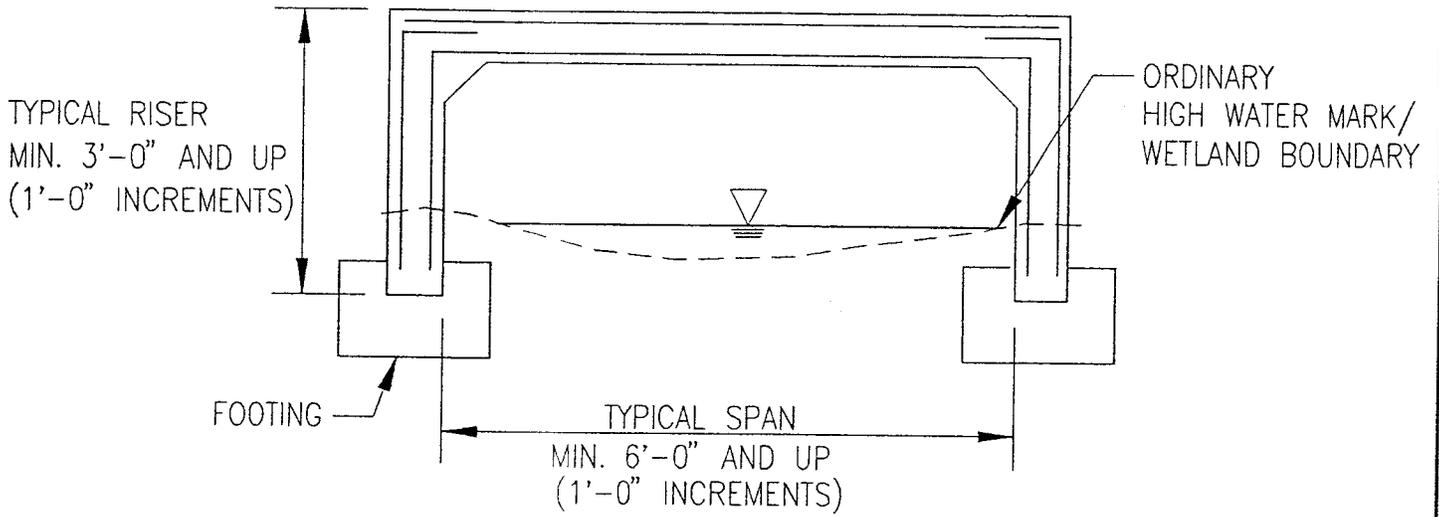
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PORT OF TILLAMOOK BAY GOLF COURSE
ROAD CROSSING SITES / PRECAST BOX CULV
3 SIDED BOX WITH FOOTER SLABS

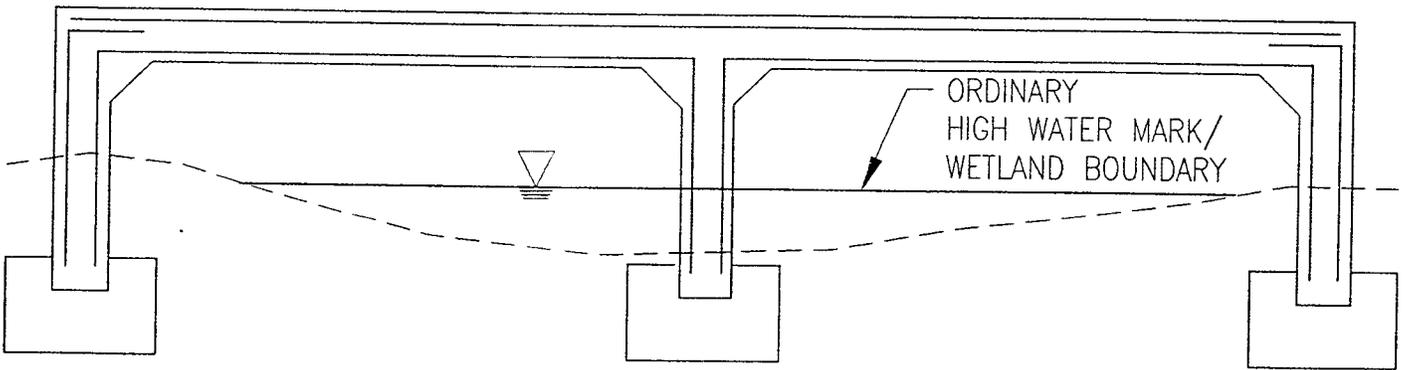
FIGURE:

Corps ID No. 200300640
Figure 11



SINGLE SPAN

NTS



MULTIPLE SPAN

NTS

2/21/2003 P.M. L. ... CULV.DWG. ...



PORT OF TILLAMOOK BAY GOLF COURSE
**TYPICAL ROADWAY BOX CULVERT
 CROSSING**

FIGURE:
 Corps ID No. 200300640
 Figure 12

(*Carex obnupta* 10%), common rush (*Juncus effusus* 20%), velvet grass (*Holcus lanatus* 20%) and duck weed (*lemna minor* 0%) with 20% open water. Outside the wetland plot were trees and shrubs consisting of Sitka spruce, alder, hawthorn, salmonberry, evergreen blackberry and red elderberry, which should resemble the plan goal of compensation with palustrine emergent, forested seasonally flooded wetland in the mitigation site. Wetland soils were saturated to the surface at the time of the survey with approximately 4 inches of standing water in the small stream which was only a few feet from the test plot (see reference data form in Appendix A).

TABLE I: COMPENSATORY MITIGATION SUMMARY

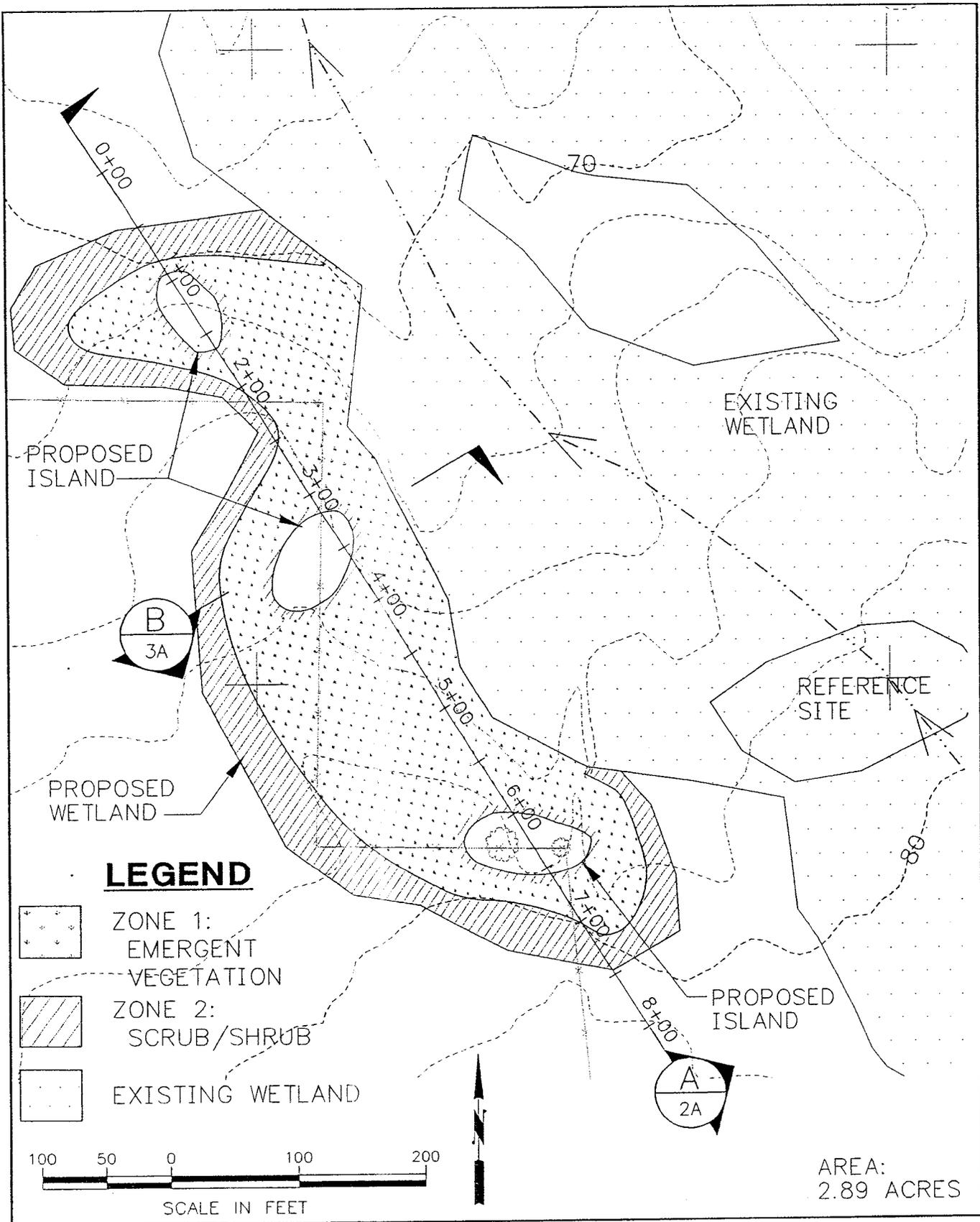
ACTION	TOTAL AREA (ACRES)	MITIGATION RATIO	HGM	COWARDIN CLASSIFICATION	MITIGATION CREDIT (ACRES)	RIVERINE (LINEAR FT)
Wetland Impact (includes piling & road span structures)	0.09		DCNP/Flats	P ^{EM} / _{SS} C		
Boardwalk above wetland	0.52		Flats	P ^{EM} / _{SS} C		2265
Perennial Stream Fill (Dam Impact)	1.194		RFT	R3UB/P ^E / _M C		800
Perennial Stream Removal (Dam Impact)	0.07		RFT	R3UB/P ^E / _M C		60
Int. Stream Inundated by Dam	4.95		SH	R4SB		3170
On-site Wetland Creation	2.77	1½ : 1	DCNP/Flats	P ^{EM} / _{SS} C	1.85	
Raccoon Creek (Dam mitigation) stream created enhancement	0.62 1.38		SA RFT	R4SB R3UB	0.62 1.38	840 2400
Wetland forested buffer	1.0		Flats	PFOC		
Mitigation Credit Wetland Stream					1.85 2.0	

IV WETLAND CREATION/STREAM ENHANCEMENT SITE PLAN

A. Area Grading Plan

Most of the creation site is covered with agricultural field grasses and weedy species such as scotch broom and Himalayan blackberry. The entire site will be excavated to a depth of 1.5 to 5 feet below the existing elevation which would be approximately 12 inches deeper than the adjacent wetland elevation (Figures 2A & 3A and Photos 4 & 5). The topsoil will be salvaged and stockpiled and utilized to bring the newly created wetland up to the proposed wetland elevations. Three small islands (20' X

7/27/2014 9:50 P.M. L:\2002\02-040\CAD\TRAIS\wetlands\wetmfg-FIG14.DWG In:..n 01f 1.0



LEGEND

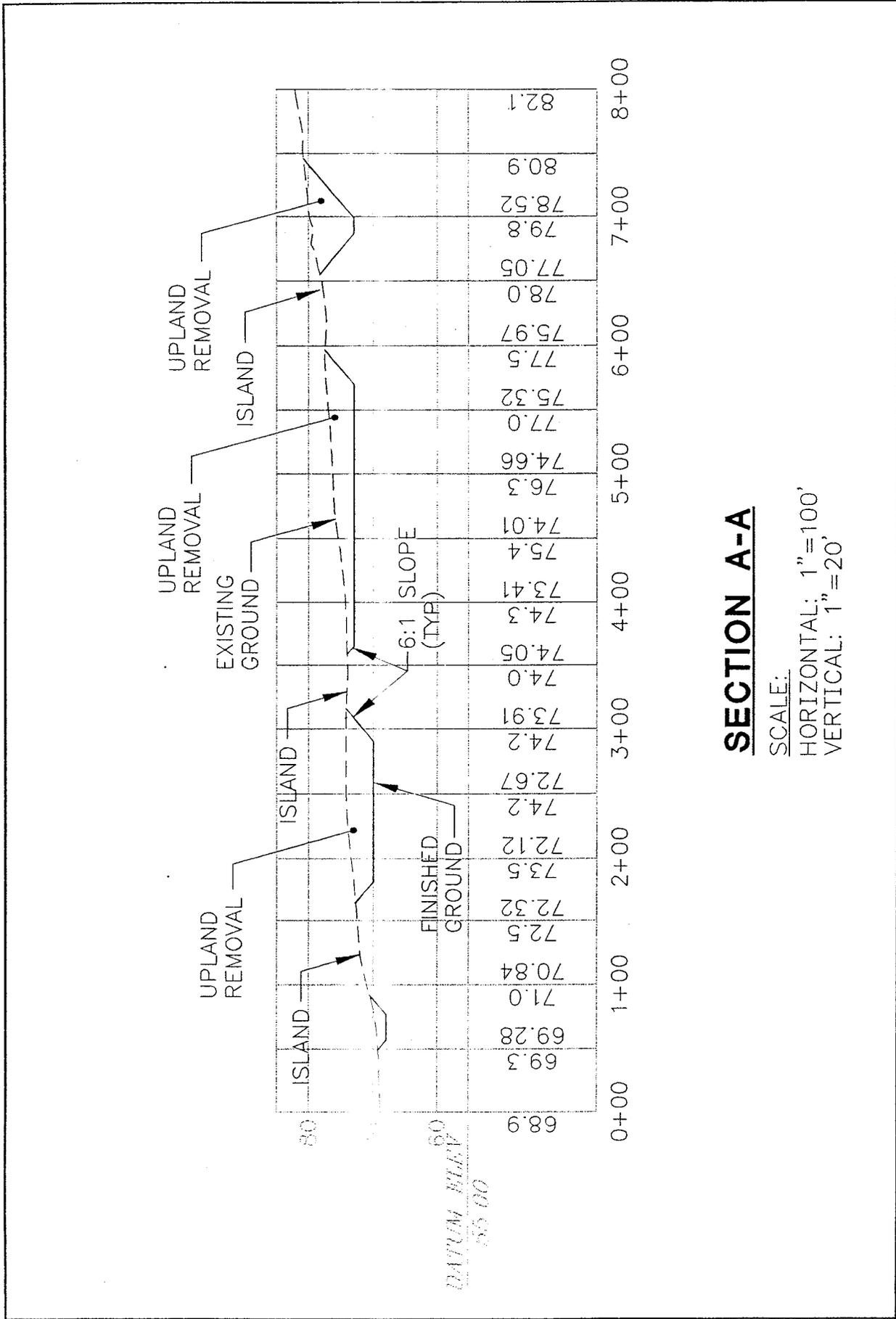
-  ZONE 1:
EMERGENT
VEGETATION
-  ZONE 2:
SCRUB/SHRUB
-  EXISTING WETLAND

AREA:
2.89 ACRES



PORT OF TILLAMOOK BAY GOLF COURSE
**PROPOSED WETLAND MITIGATION AREA
SITE GRADING MAP**

Corps ID No. 200300640
Figure 14



SECTION A-A

SCALE:

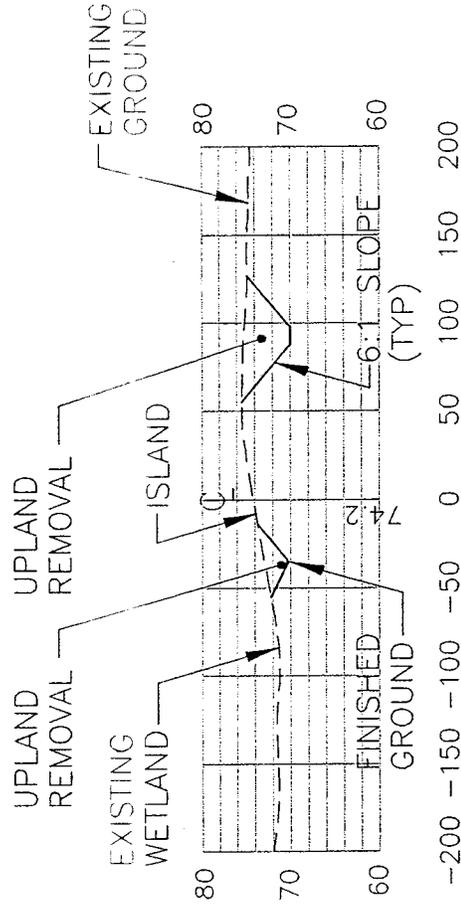
HORIZONTAL: 1"=100'

VERTICAL: 1"=20'



PORT OF TILLAMOOK BAY GOLF COURSE
WETLAND MITIGATION AREA
SECTION A-A

3+35



SECTION B-B

SCALE:

HORIZONTAL: 1"=100'

VERTICAL: 1"=20'

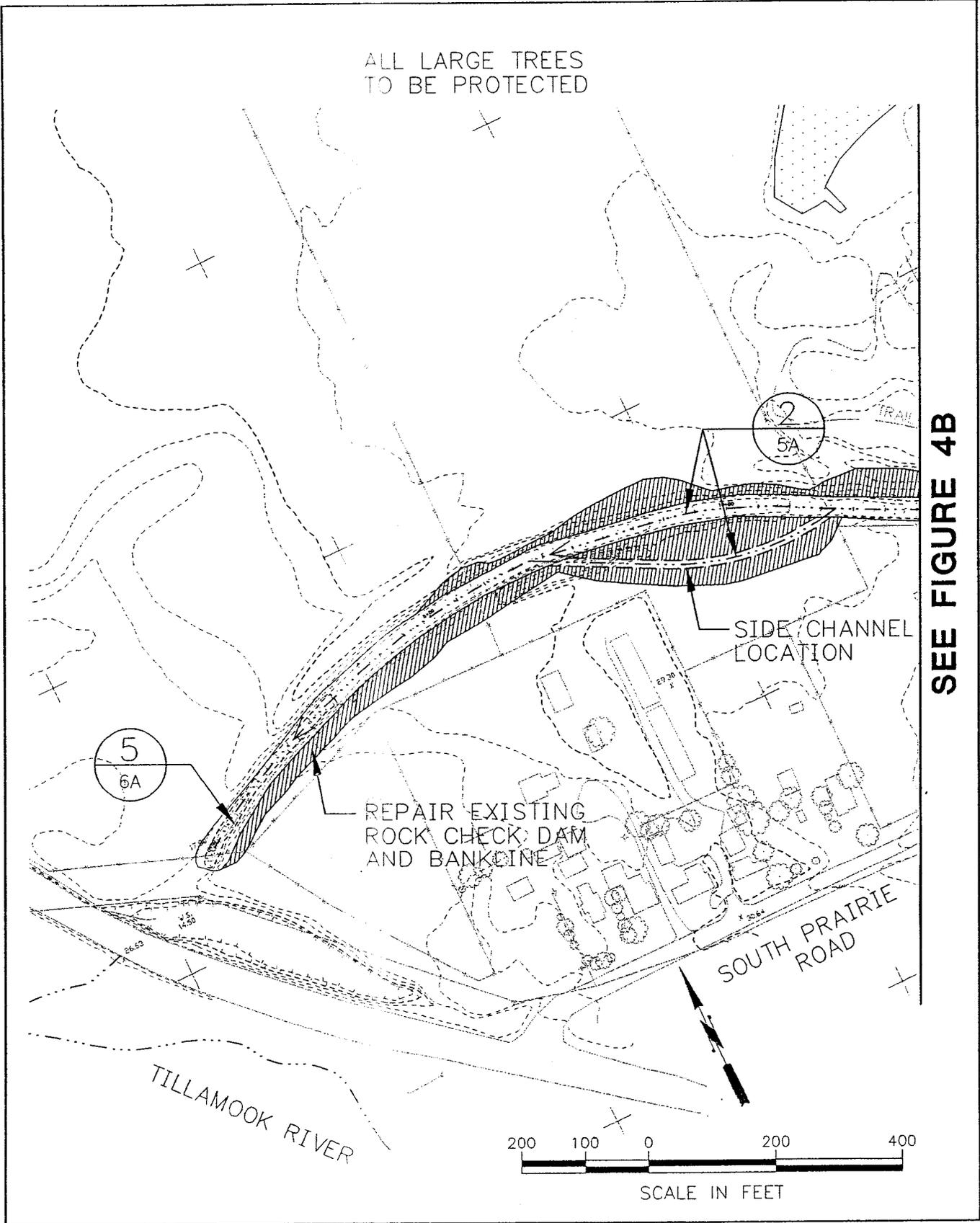


PORT OF TILLAMOOK BAY GOLF COURSE
WETLAND MITIGATION AREA
SECTION B-B

Corps ID No. 200300640
Figure 16

ALL LARGE TREES
TO BE PROTECTED

SEE FIGURE 4B



7/25/2004 9:56 P.M. L:\2003\07-040\CA\03\TRANS\wetlands\Creek.DWG Inco.JH DTH 1.0

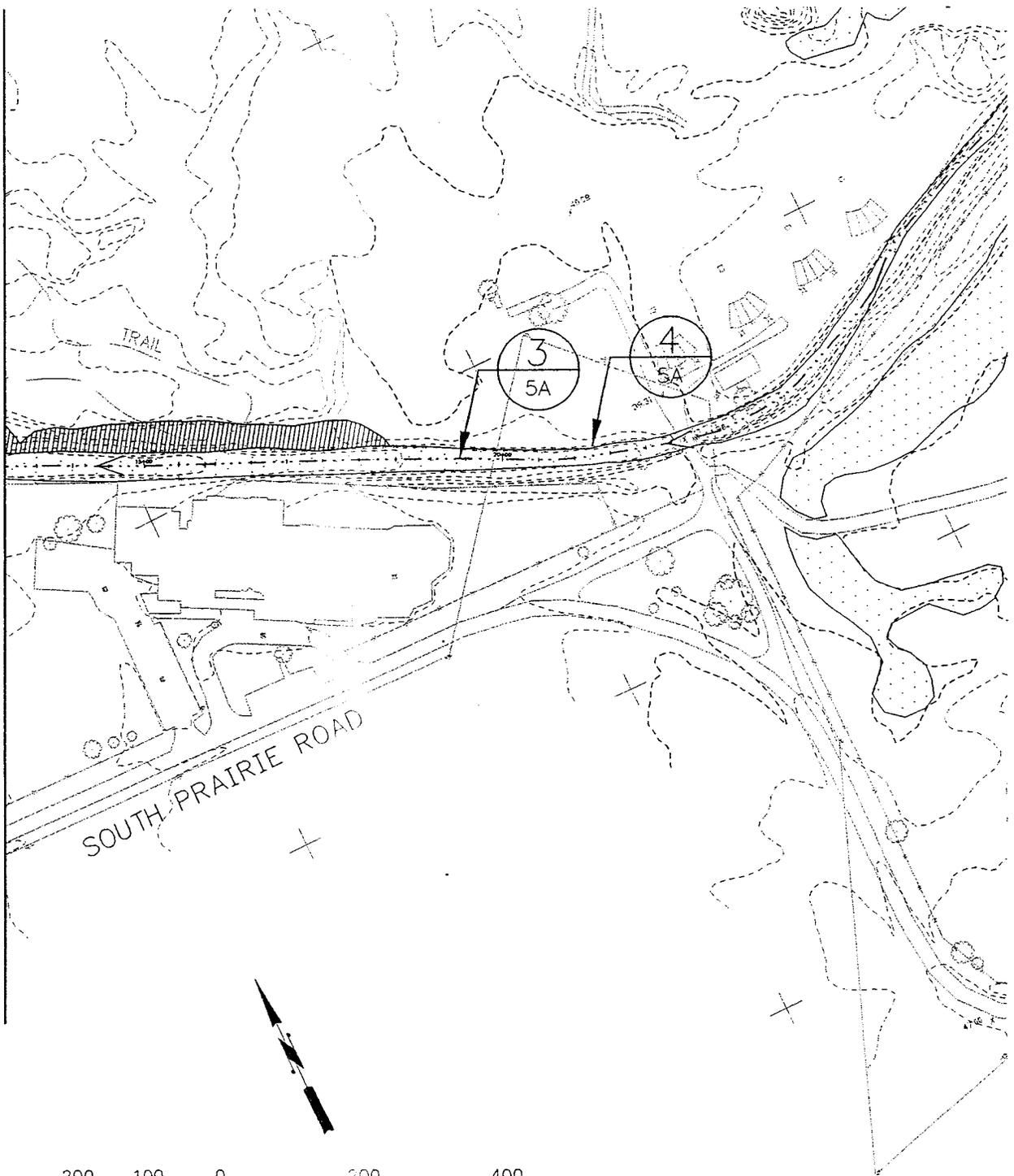


PORT OF TILLAMOOK BAY GOLF COURSE
RACCOON CREEK STREAM ENHANCEMENT
SITE LOCATION MAP

Corps ID No. 200300640
Figure 17

ALL LARGE TREES
TO BE PROTECTED

SEE FIGURE 4A



SCALE IN FEET

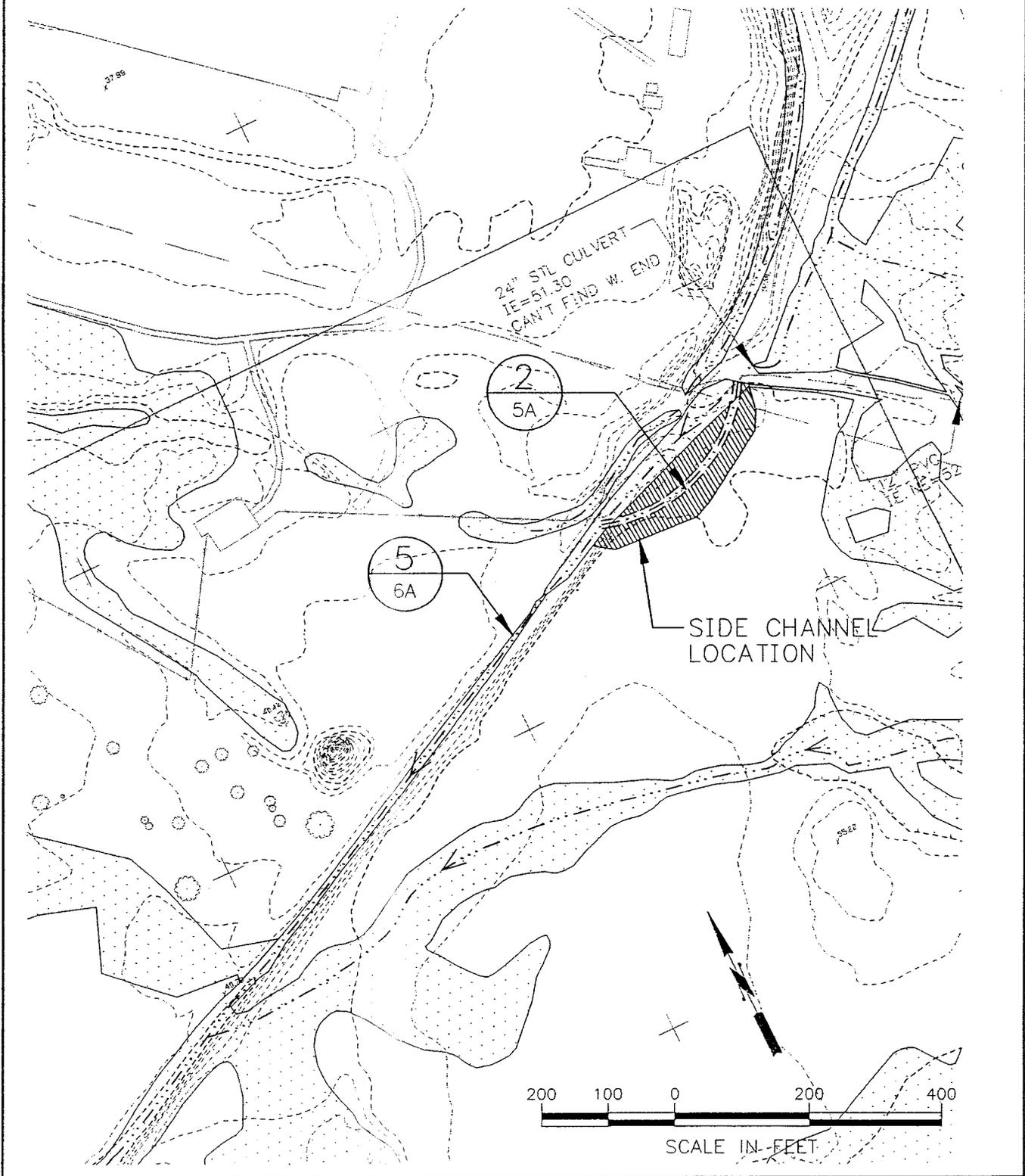
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PORT OF TILLAMOOK BAY GOLF COURSE
RACCOON CREEK STREAM ENHANCEMENT
SITE LOCATION MAP

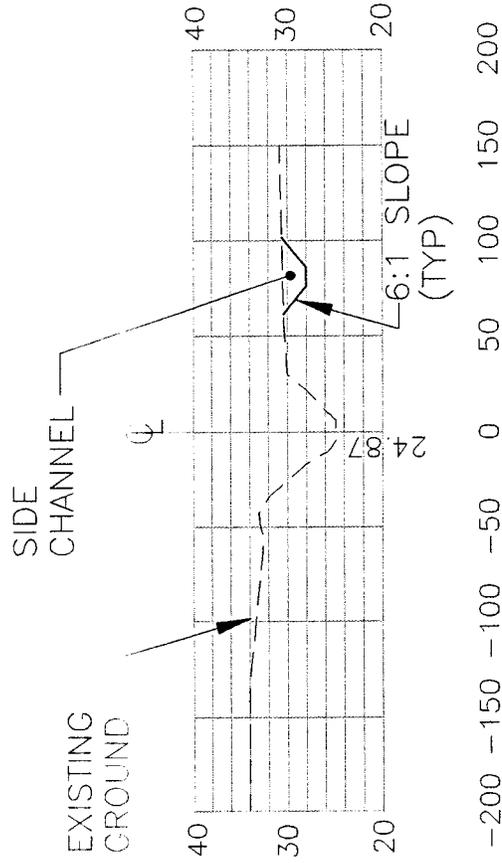
Corps ID No. 200300640
Figure 18

ALL LARGE TREES
TO BE PROTECTED



PORT OF TILLAMOOK BAY GOLF COURSE
RACCOON CREEK STREAM ENHANCEMENT
SITE LOCATION MAP

Corps ID No. 200300640
Figure 19



CREEK SECTION C-C

SEE FIGURES 11A AND 13B

SCALE:

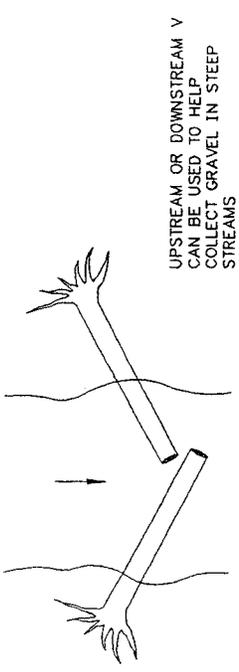
HORIZONTAL: 1"=50'

VERTICAL: 1"=10'



PORT OF TILLAMOOK BAY GOLF COURSE
RACCOON CREEK STREAM ENHANCEMENT
CREEK SECTION C-C

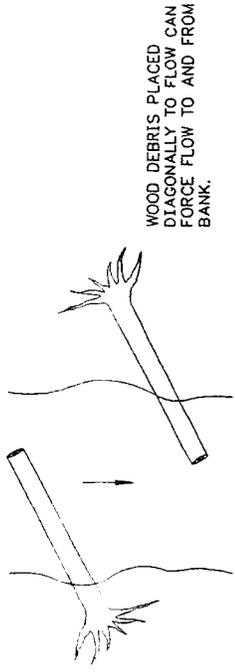
Corps ID No. 200300640
 Figure 20



UPSTREAM OR DOWNSTREAM V
CAN BE USED TO HELP
COLLECT GRAVEL IN STEEP
STREAMS

1
4A

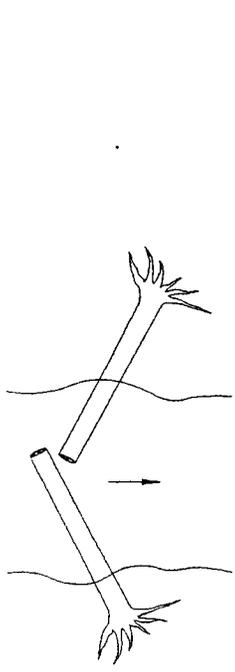
WOOD DEBRIS PLACEMENT
N.T.S



WOOD DEBRIS PLACED
DIAGONALLY TO FLOW CAN
FORCE FLOW TO AND FROM
BANK.

2 2
4A 4C

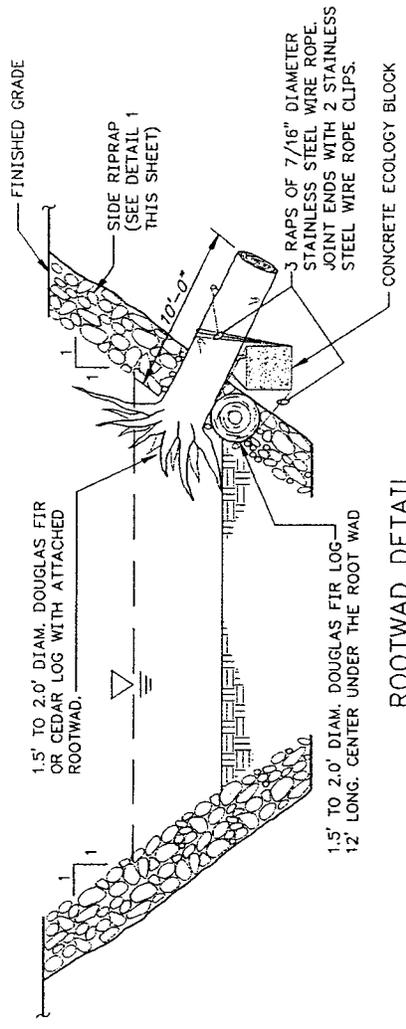
WOOD DEBRIS PLACEMENT
N.T.S



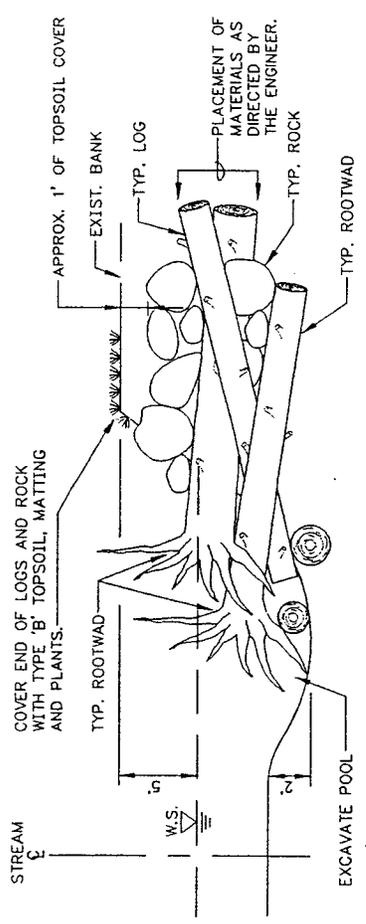
UPSTREAM OR DOWNSTREAM V
CAN BE USED TO HELP
COLLECT GRAVEL IN STEEP
STREAMS

3 4
4B 4B

WOOD DEBRIS PLACEMENT
N.T.S



ROOTWAD DETAIL
N.T.S



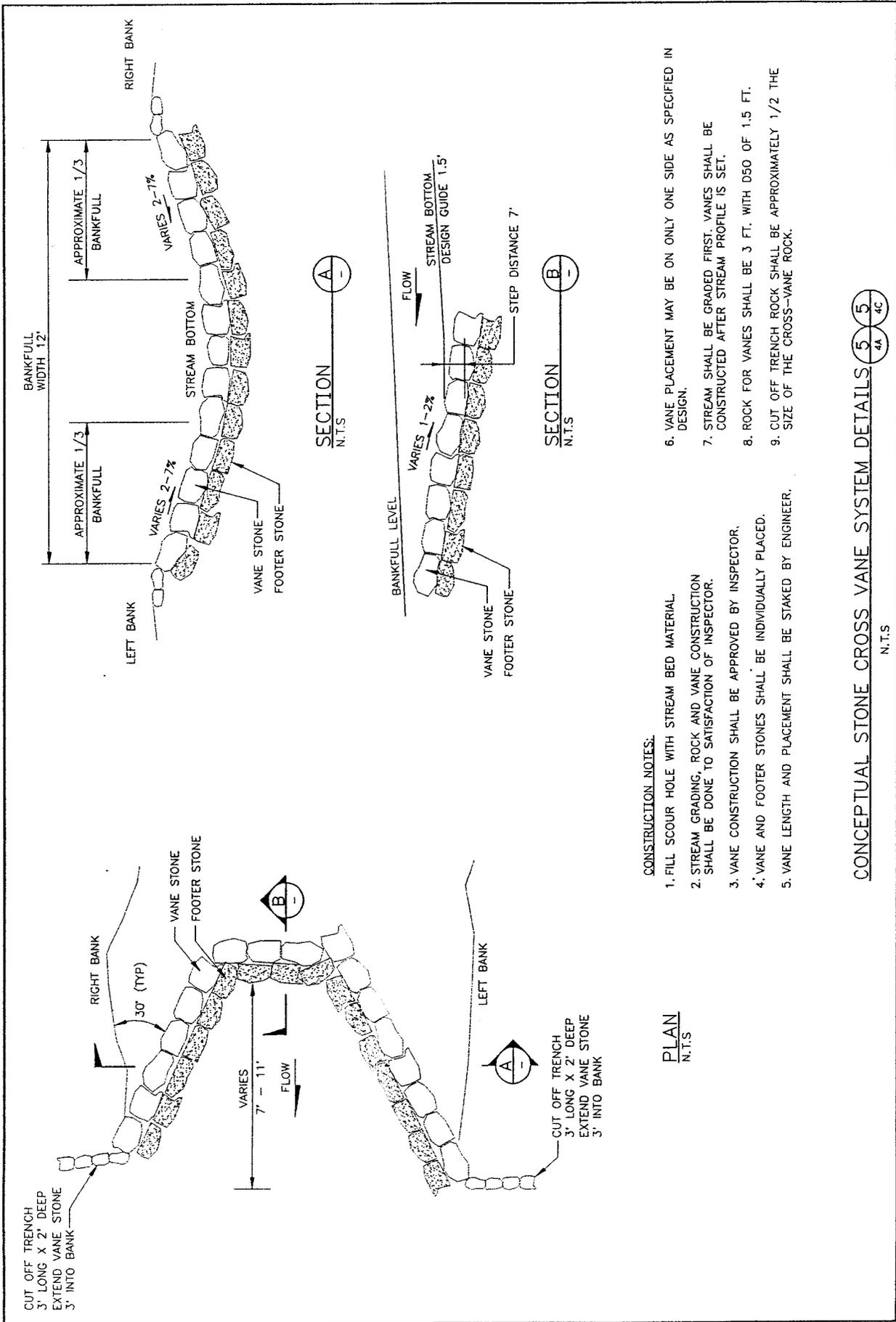
DEBRIS CATCHER DETAIL
N.T.S

- MATERIALS:**
- 3 ROOT WADS (4'-6' DIA. ROOTS WITH 10' LOG THAT IS 12" TO 18" IN DIA.)
 - 8 LOGS (12" TO 24" IN DIA. BY 15' LONG)
 - 20 ROCKS (1200 lb TO 1400 lb PER ROCK)
 - 15 CUBIC YARDS OF TYPE 'B' TOPSOIL
 - PLANTS PER LANDSCAPE PLAN AND COCONUT FIBER MATTING (STAKED TO SURFACE WITH WOOD STAKE, EVERY 3 FEET).



PORT OF TILLAMOOK BAY GOLF COURSE
**RACCOON CREEK STREAM ENHANCEMENT
INSTREAM STRUCTURES**

Corps ID No. 200300640
Figure 21



CUT OFF TRENCH
3' LONG X 2' DEEP
EXTEND VANE STONE
3' INTO BANK

RIGHT BANK
30' (TYP)
VANE STONE
FOOTER STONE

VARIES
7' - 11'
FLOW

LEFT BANK

CUT OFF TRENCH
3' LONG X 2' DEEP
EXTEND VANE STONE
3' INTO BANK

PLAN
N.T.S.

SECTION
N.T.S.

SECTION
N.T.S.

5/4 = 5/4C

CONSTRUCTION NOTES:

1. FILL SCOUR HOLE WITH STREAM BED MATERIAL.
2. STREAM GRADING, ROCK AND VANE CONSTRUCTION SHALL BE DONE TO SATISFACTION OF INSPECTOR.
3. VANE CONSTRUCTION SHALL BE APPROVED BY INSPECTOR.
4. VANE AND FOOTER STONES SHALL BE INDIVIDUALLY PLACED.
5. VANE LENGTH AND PLACEMENT SHALL BE STAKED BY ENGINEER.
6. VANE PLACEMENT MAY BE ON ONLY ONE SIDE AS SPECIFIED IN DESIGN.
7. STREAM SHALL BE GRADED FIRST. VANES SHALL BE CONSTRUCTED AFTER STREAM PROFILE IS SET.
8. ROCK FOR VANES SHALL BE 3 FT. WITH D50 OF 1.5 FT.
9. CUT OFF TRENCH ROCK SHALL BE APPROXIMATELY 1/2 THE SIZE OF THE CROSS-VANE ROCK.

CONCEPTUAL STONE CROSS VANE SYSTEM DETAILS

N.T.S.



PORT OF TILLAMOOK BAY GOLF COURSE
**RACCOON CREEK STREAM ENHANCEMENT
INSTREAM STRUCTURES**



EXISTING WETLAND

SEE FIGURE 8A

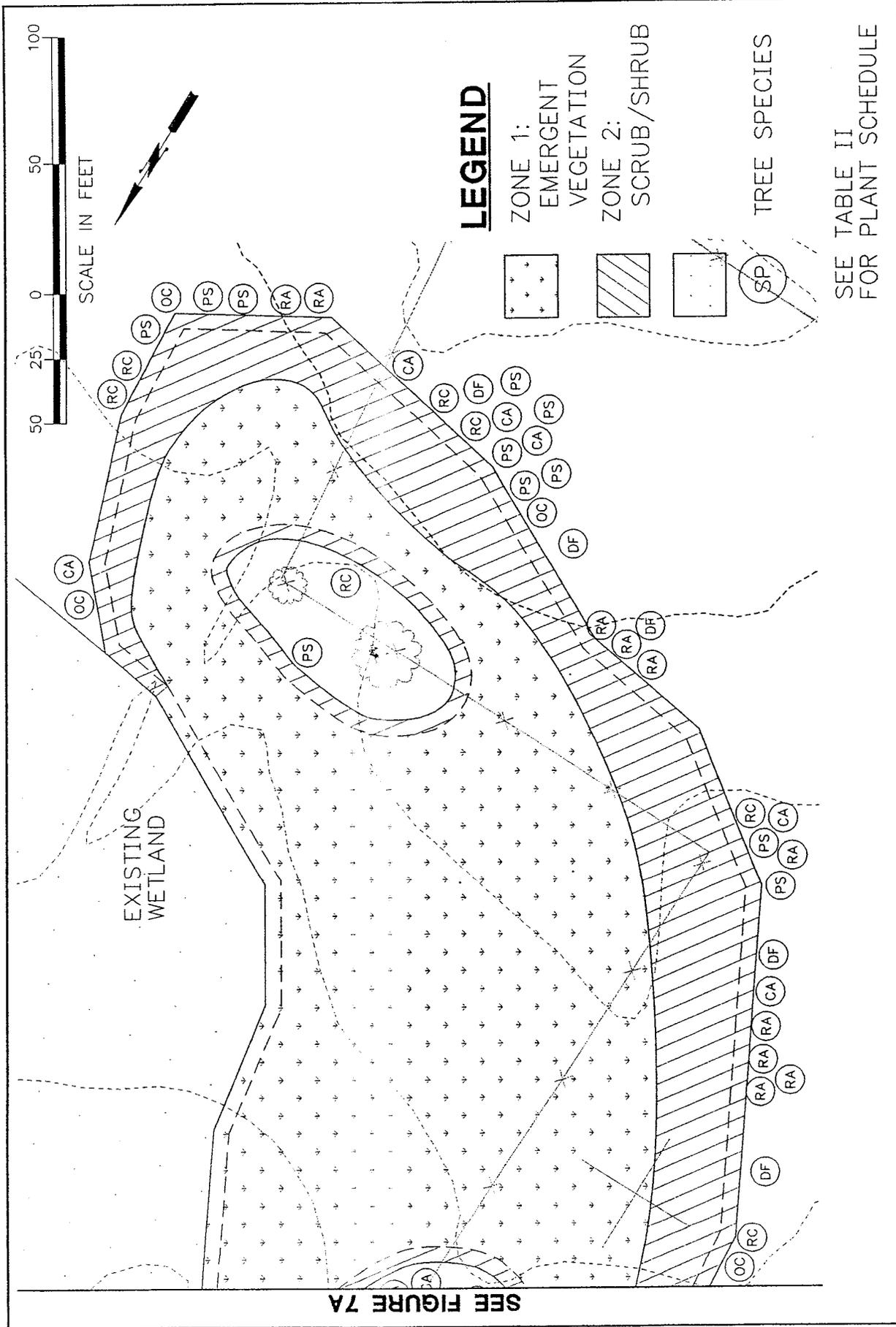
LEGEND

-  ZONE 1:
EMERGENT VEGETATION
-  ZONE 2:
SCRUB/SHRUB
-  EXISTING WETLAND
-  TREE SPECIES

SEE TABLE II
FOR PLANT SCHEDULE



PORT OF TILLAMOOK BAY GOLF COURSE
**WETLAND MITIGATION AREA
LANDSCAPE PLAN**



Corps ID No. 200300640
Figure 24

PORT OF TILLAMOOK BAY GOLF COURSE
WETLAND MITIGATION AREA
LANDSCAPE PLAN



LEGEND

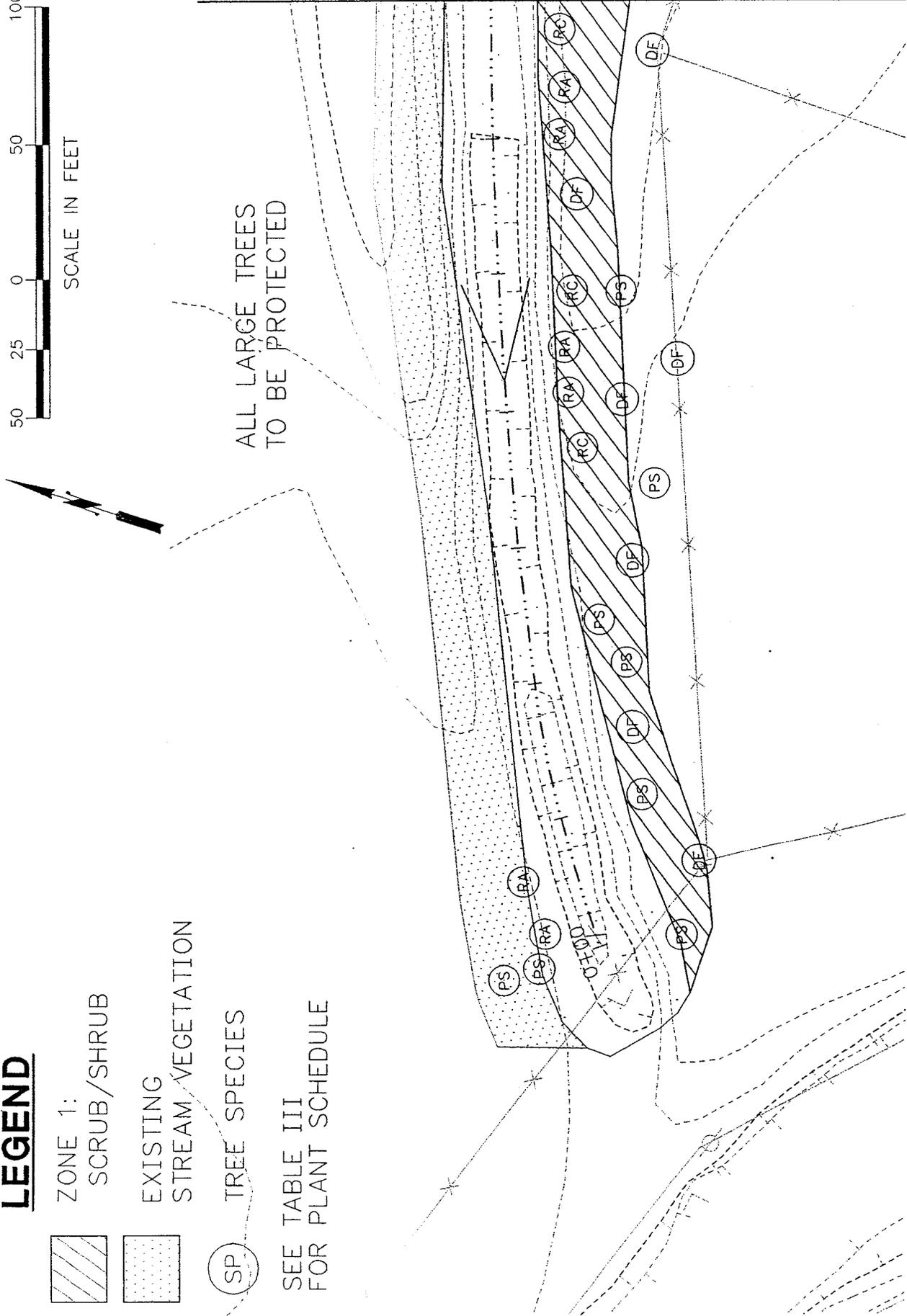
-  ZONE 1:
SCRUB/SHRUB
-  EXISTING
STREAM VEGETATION
-  TREE SPECIES

SEE TABLE III
FOR PLANT SCHEDULE

ALL LARGE TREES
TO BE PROTECTED



MATCH LINE 3+50 FIGURE 10A



PORT OF TILLAMOOK BAY GOLF COURSE
**RACCOON CREEK STREAM ENHANCEMENT
 LANDSCAPE PLAN**

MATCH LINE 3+50 FIGURE 9A

MATCH LINE 7+00 FIGURE 11A

ALL LARGE TREES TO BE PROTECTED

5+00

LEGEND

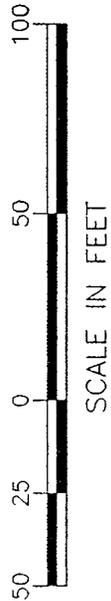
ZONE 1:
SCRUB/SHRUB

EXISTING
STREAM VEGETATION

TREE SPECIES



SEE TABLE III
FOR PLANT SCHEDULE



SCALE IN FEET



PORT OF TILLAMOOK BAY GOLF COURSE RACCOON CREEK STREAM ENHANCEMENT LANDSCAPE PLAN



SCALE IN FEET

ALL LARGE TREES TO BE PROTECTED

10+00

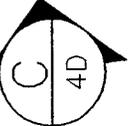
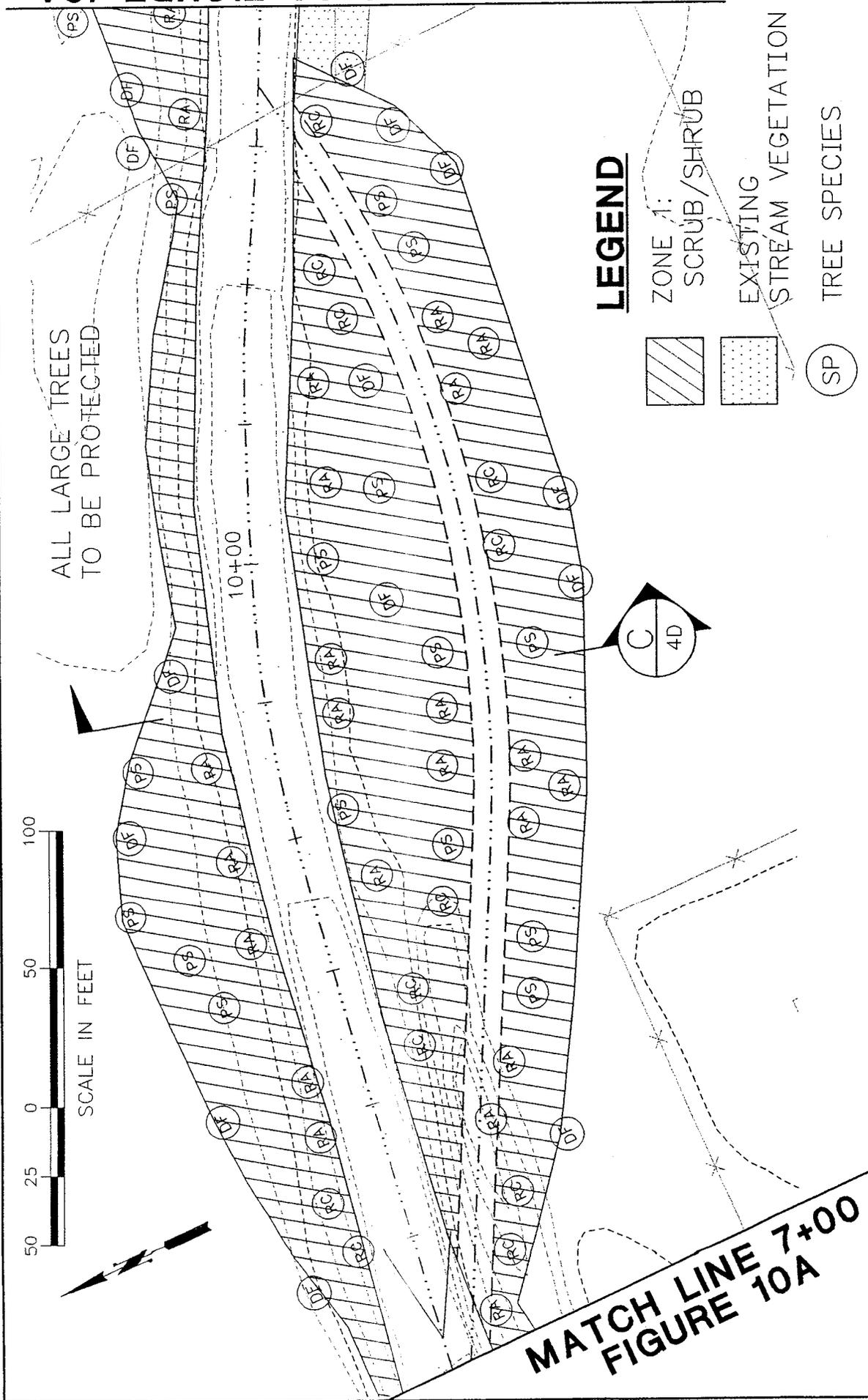
MATCH LINE 7+00
FIGURE 10A

MATCH LINE 12+00 FIGURE 12A

LEGEND

-  ZONE 1: SCRUB/SHRUB
-  EXISTING STREAM VEGETATION
-  TREE SPECIES

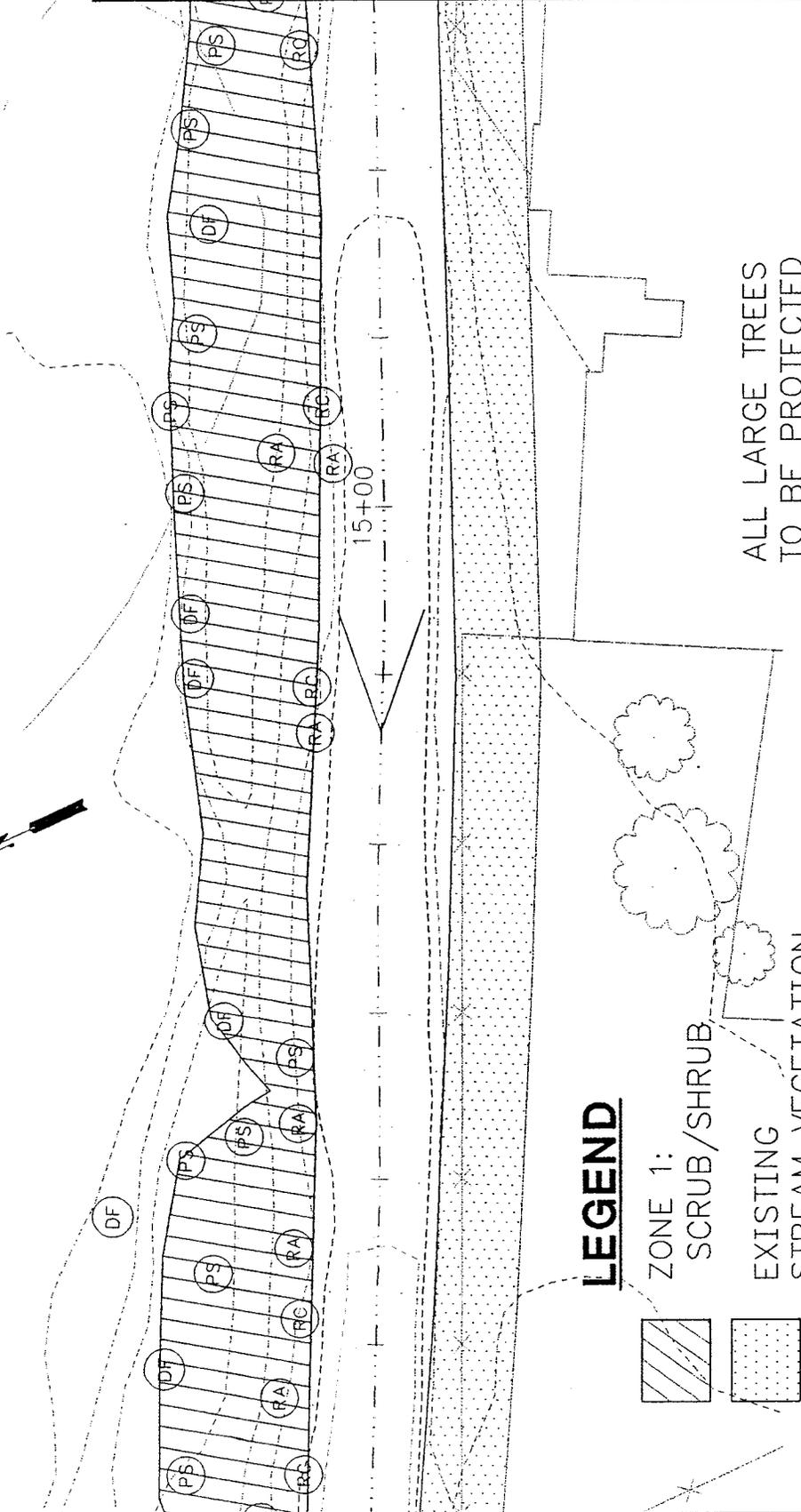
SEE TABLE III FOR PLANT SCHEDULE



PORT OF TILLAMOOK BAY GOLF COURSE
**RACCOON CREEK STREAM ENHANCEMENT
LANDSCAPE PLAN**

MATCH LINE 12+00 FIGURE 12A

MATCH LINE 16+50 FIGURE 13A



LEGEND

-  ZONE 1:
SCRUB/SHRUB
-  EXISTING
STREAM VEGETATION
-  TREE SPECIES

ALL LARGE TREES
TO BE PROTECTED

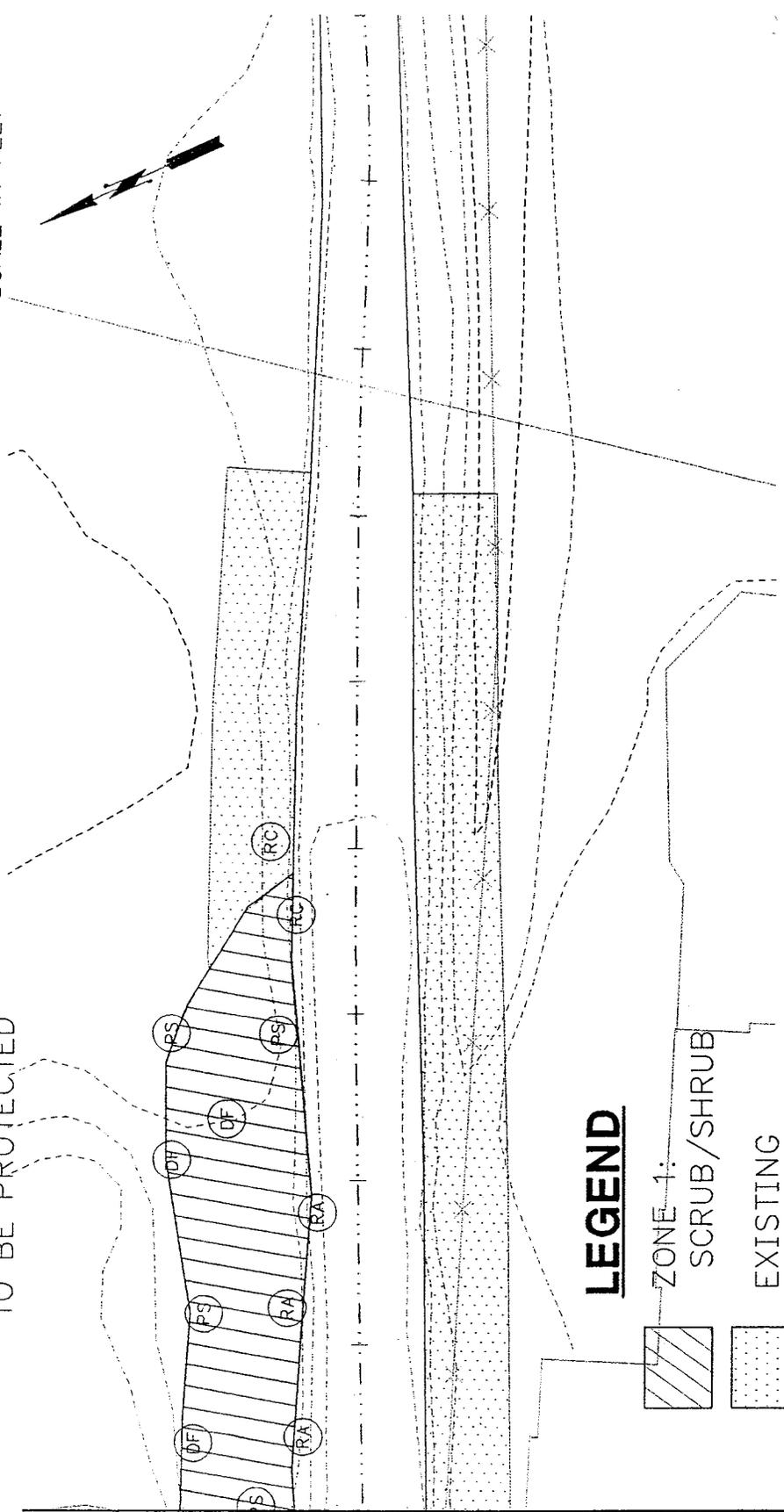
SEE TABLE III
FOR PLANT SCHEDULE



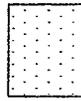
PORT OF TILLAMOOK BAY GOLF COURSE
**RACCOON CREEK STREAM ENHANCEMENT
 LANDSCAPE PLAN**

MATCH LINE 16+50 FIGURE 12A

ALL LARGE TREES
TO BE PROTECTED



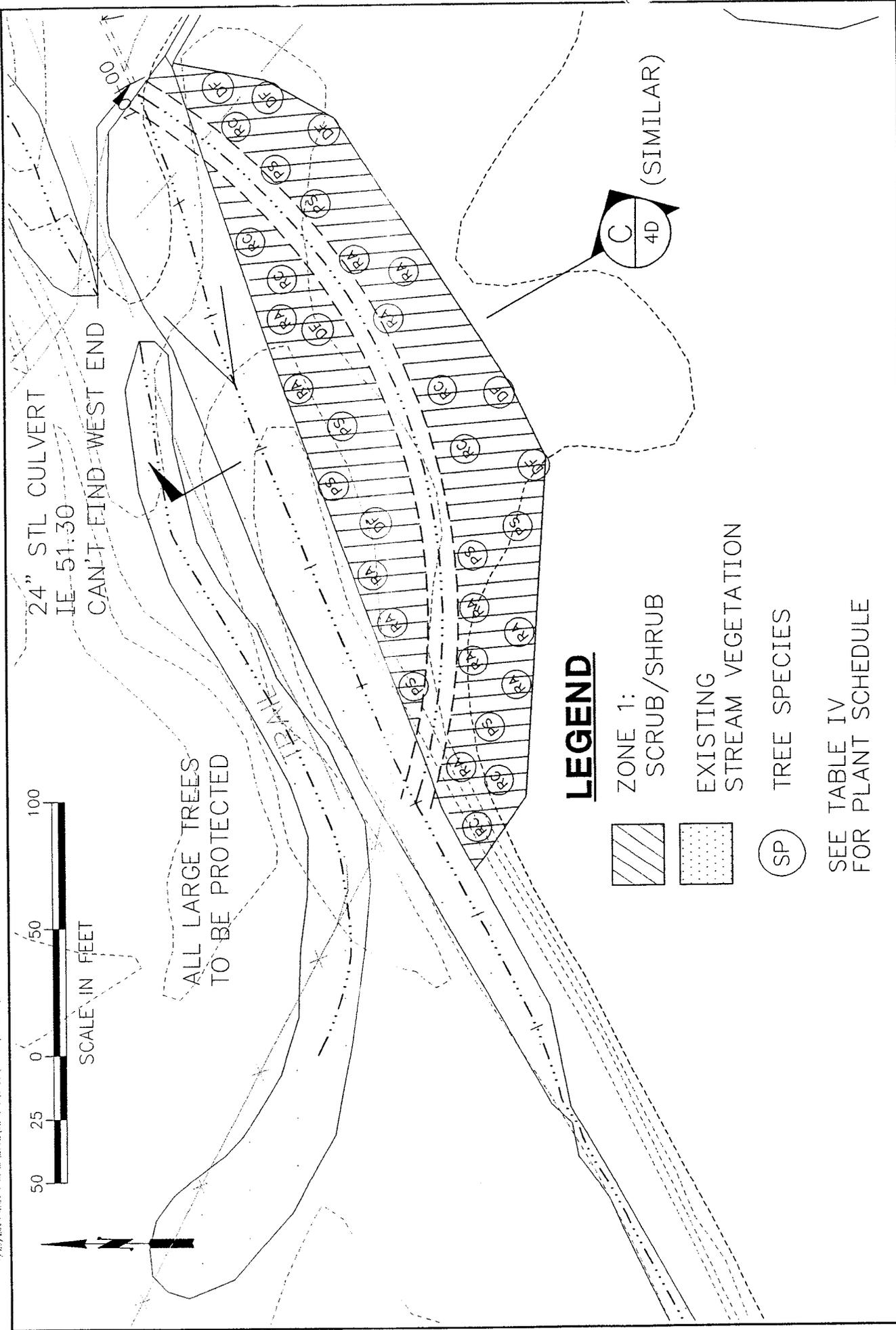
LEGEND

-  ZONE 1:
SCRUB/SHRUB
-  EXISTING
STREAM VEGETATION
-  TREE SPECIES

SEE TABLE III
FOR PLANT SCHEDULE



PORT OF TILLAMOOK BAY GOLF COURSE
**RACCOON CREEK STREAM ENHANCEMENT
LANDSCAPE PLAN**



LEGEND

-  ZONE 1:
SCRUB/SHRUB
-  EXISTING
STREAM VEGETATION
-  TREE SPECIES

SEE TABLE IV
FOR PLANT SCHEDULE



PORT OF TILLAMOOK BAY GOLF COURSE RACCOON CREEK STREAM ENHANCEMENT LANDSCAPE PLAN

TABLE IV - STREAM ENHANCEMENT PLANTINGS

PLANT SCHEDULE					
Symbol	Scientific Name	Common Name	Quantity	Size	Spacing (Ft)
Trees					
RC	<i>Thuja plicata</i>	Western red cedar	7	36"	15'
PS	<i>Picea sitchensis</i>	Sitka spruce	8	2 gal	15'
DF	<i>Pseudotsuga menziesii</i>	Douglas fir	7	1 gal	25'
RA	<i>Alnus rubra</i>	Red alder	12	1 gal	25'
Shrubs (Zone 1)					
	<i>Salix sitchensis</i>	Sitka willow	10	cuttings	4' OC
	<i>Salix lasiandra</i>	Pacific willow	10	cuttings	4' OC
	<i>Sambucus racemosa</i>	Red elderberry	10	1 gal	30'
	<i>Rosa nutkana</i>	Nootka rose	30	1 gal	10' clustered
	<i>Ribes sanguineum</i>	Red flowering covert	5	1 gal	20' clustered
	<i>Amelanchier alnifolia</i>	Serviceberry	6	1 gal	20' clustered

- e) All Western red cedar shall be caged within heavy gage wire fencing staked with metal T-posts to prevent damage by resident elk.
- f) Plantings of willow (*Salix* spp) cuttings shall be increased from 20 to a total of 60. In addition, at least 20 of these cuttings shall be caged or planted in enclosures to prevent damage from beavers.
- g) Plantings shall be maintained for a period of three years where the criteria for success shall be 80% survival by species. Maintenance shall include, but not be limited to, removal of invasive exotic plant species (Himalayan blackberry, Japanese knotweed, etc.). Plantings shall occur each winter as needed for three years to ensure that the survival standard is met.
- h) All plantings shall occur between November 1 and March 15.

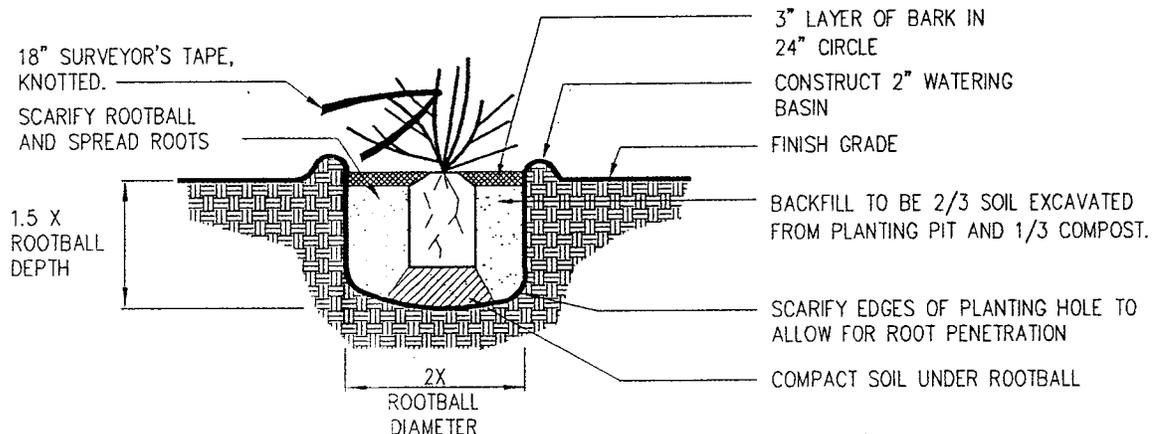
GENERAL NOTES AND SPECIFICATIONS

SITE PREPARATION

1. REMOVE BLACKBERRY AND SCOTCH BROOM INCLUDING ROOTS WHEN POSSIBLE. WHERE ROOTS REMAIN, CUT STEM TO GROUND DURING GROWING SEASON AND IMMEDIATELY PAINT (NO SPRAYING) STEM END WITH TRICLOPYR (BRUSH-B-GON). DO NOT ALLOW PLANTS TO FLOWER AND GO TO SEED.
2. DISPOSE OF CUT VEGETATION OFF SITE.
3. PRIOR TO DISTURBANCE, TOPSOIL SHALL BE REMOVED AND STOCKPILED. AFTER ALL TEMPORARY IMPACTS ARE COMPLETE AND RESTORATION HAS BEGUN NATIVE STOCKPILED TOPSOIL WILL BE RE-DEPOSITED.

PLANTING

1. THIS PLANTING PLAN IS DESIGNED TO REPLICATE NATURAL PLANT COMMUNITIES IN SPECIES COMPOSITION AND ARRANGEMENT. EVEN SPACING AND STRAIGHT-ROW PLANTING ARE NOT DESIRED.
2. PLANT LOCATIONS ARE BASED ON ANTICIPATED SOIL CONDITIONS AFTER GRADING ACTIVITIES ARE COMPLETED. PLANTING LOCATIONS MAY NEED TO BE ADJUSTED PER ACTUAL FIELD CONDITIONS. THE 3' CALIPER TREES WILL BE FIELD LOCATED PER THE PROJECT ENGINEER.
3. ALL PLANT MATERIAL SHALL BE HEALTHY, NURSERY-GROWN-ONLY STOCK. WEAK OR DAMAGED PLANTS WILL BE REJECTED BY THE PROJECT BIOLOGIST.
4. PLANT SUBSTITUTIONS MAY BE APPROVED BY CONSULTING THE PROJECT ENGINEER IN THE EVENT SPECIFIED SPECIES ARE NOT COMMERCIALY AVAILABLE. TREE SPECIES SHALL REPLACE TREE SPECIES, SHRUB REPLACES SHRUB.
5. BAREROOT PLANT STOCK MAY BE USED WHERE SEASONALLY AVAILABLE AND GENERALLY MUST BE INSTALLED DURING THE DORMANT SEASON (APPROXIMATELY OCTOBER 31ST THROUGH APRIL 1ST). BAREROOT PLANT STOCK SIZES SHALL BE EQUAL OR GREATER THAN THAT OF THE SPECIFIED CONTAINER SIZE.
6. PLANT SIZES ARE SPECIFIED TO INCREASE PLANT SURVIVAL BY REDUCING TRANSPLANT STRESS. LARGER PLANT SIZES ARE ACCEPTABLE IF DESIRED BY THE PROPERTY OWNER AND PROVIDING THE LANDSCAPE CONTRACTOR ASSURES EQUAL OR BETTER SURVIVAL RATES.
7. SOIL AMENDMENT SHALL BE COMPOST, FULLY AGED.
8. MULCH SHALL BE INSTALLED AROUND ALL TREES, SHRUBS AND GROUND COVER TO ASSIST PLANT SURVIVAL. THE MULCH SHALL BE BARK, NOT WOOD PIECES AND MUST BE FREE OF WEED SEEDS.
9. DEPENDING ON THE AVAILABILITY OF NATURAL RAINFALL, THE LANDSCAPE CONTRACTOR MAY NEED TO PROVIDE SUPPLEMENTAL WATERING TO ENSURE PLANT SURVIVAL.
10. PLANT PROCUREMENT, TRANSPORT, STORAGE, HANDLING, PLANTING TECHNIQUES, CARE OF EXISTING SOIL AND VEGETATION AND WATERING ARE TO BE PERFORMED PER LANDSCAPE INDUSTRY STANDARDS.
11. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE 100% PLANT SURVIVAL OF ALL PLANT MATERIAL FOR ONE YEAR AFTER PROVISIONAL ACCEPTANCE. ALL DEAD OR DYING PLANT MATERIAL SHALL BE REPLACED BY THE LANDSCAPE CONTRACTOR AND GUARANTEED THROUGH THE FOLLOWING YEAR. PRIOR TO PLANT INSTALLATION, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE PROJECT BIOLOGIST OF ANY CONDITIONS THAT ARE JUDGED TO IMPAIR PLANT SURVIVAL. ALTERNATIVES WILL BE APPROVED BY THE PROJECT BIOLOGIST PRIOR TO PLANT SUBSTITUTION.



TREE/SHRUB PLANTING DETAIL

NTS

7/20/2011 1:10 P.M. E:\0062\02-0062\CAD\WAS\Wetland\wet-dell.DWG JRC:J 02P 1.0



PUBLIC NOTICE
Oregon Department of Environmental Quality
Water Quality 401 Certification

Corps of Engineers Action ID Number: 200300640
Oregon Division of State Lands Number: 31193-RF

Notice Issued: August 26, 2004
Written Comments Due: September 27, 2004

WHO IS THE APPLICANT: Port of Tillamook Bay

LOCATION OF CERTIFICATION ACTIVITY: See attached U.S. Army Corps of Engineers public notice

WHAT IS PROPOSED: See attached U.S. Army Corps of Engineers public notice on the proposed project

NEED FOR CERTIFICATION: Section 401 of the Federal Clean Water Act requires applicants for Federal permits or licenses to provide the Federal agency a water quality certification from the State of Oregon if the proposed activity may result in a discharge to surface waters.

DESCRIPTION OF DISCHARGES: See attached U.S. Army Corps of Engineers public notice on the proposed project

WHERE TO FIND DOCUMENTS: Documents and related material are available for examination and copying at Oregon Department of Environmental Quality, Water Quality Division, 811 S.W. 6th Avenue, Portland, Oregon 97204

While not required, scheduling an appointment will ensure documents are readily accessible during your visit. To schedule an appointment please call Alice Kavajecz at (503) 229-6962.

Any questions on the proposed certification may be addressed to the 401 Program Coordinator at (503) 229-5845.

PUBLIC PARTICIPATION:

Public Hearing: Oregon Administrative Rule (OAR) 340-48-0020 (6) states that "The Director shall provide an opportunity for the applicant, any affected state, or any interested agency, person, or group of persons to request or petition for a public hearing with respect to certification applications. If the Director determines that new information may be produced thereby, a public hearing will be held prior to the Director's final determination. Instances of doubt shall be resolved in favor of holding the hearing. There shall be public notice of such a hearing."

Written comments:

Written comments on the proposed certification must be received at the Oregon Department of Environmental Quality by 5 p.m. on (full date). Written comments should be mailed to Oregon Department of Environmental Quality, Attn: 401 Program Coordinator, 811 S.W. 6th Avenue, Portland, Oregon 97204. *People wishing to send written comments via e-mail should be aware that if there is a delay between servers or if a server is not functioning properly, e-mails may not be received prior to the close of the public comment period.* People wishing to send comments via e-mail should send them in Microsoft Word (through version 7.0), WordPerfect (through version 6.x) or plain text format to 401publiccomments@deq.state.or.us. Otherwise, due to conversion difficulties, DEQ recommends that comments be sent in hard copy.

WHAT HAPPENS NEXT: DEQ will review and consider all comments received during the public comment period. Following this review, the permit may be issued as proposed, modified, or denied. You will be notified of DEQ's final decision if you present either oral or written comments during the comment period. Otherwise, if you wish to receive notification, please call or write DEQ at the above address.

ACCESSIBILITY INFORMATION: This publication is available in alternate format (e.g. large print, Braille) upon request. Please contact DEQ Office of Communications and Outreach at (503) 229-5317 or toll free within Oregon at 1-800-452-4011 to request an alternate format. People with a hearing impairment can receive help by calling DEQ's TTY at (503) 229-6993.

PUBLIC NOTICE

OREGON COASTAL MANAGEMENT PROGRAM

CONSISTENCY CERTIFICATION

Date: August 27, 2004

Corps of Engineers Action ID Number: 200300640
Oregon Division of State Lands Number: 31193-RF

Notification

For projects subject to coastal zone review, notice is hereby given that the project is being reviewed by the Department of Land Conservation and Development (DLCD) as provided in Section 307(c) of the Coastal Zone Management Act. The applicant believes that the activities described in the attached materials would comply with and be conducted in a manner consistent with the Oregon Coastal Management Program. Project information can be made available for inspection at DLCD's Salem office.

DLCD is hereby soliciting public comments on the proposed project's consistency with the Oregon Coastal Management Program. Written comments may be submitted to DLCD, 635 Capital St. NE, Suite 200, Salem, OR 97301-2540, attention consistency review specialist. Any comments must be received by DLCD on or before the comment deadline listed in the federal notice. For further information, you may call DLCD at (503) 373-0050, ext. 250.

REVIEW CRITERIA

Comments should address consistency with the applicable elements of the Oregon Coastal Management Program. These elements include:

- § Acknowledged Local Comprehensive Plans & Implementing Ordinances
- § Statewide Planning Goals
- § Applicable State Authorities (e.g. Removal-Fill Law and Oregon Water Quality Standards)

INCONSISTENT?

If you believe this project is inconsistent with the Oregon Coastal Management Program, your comments to DLCD should explain why you believe the project is inconsistent and should identify the Oregon Coastal Management Program element(s) in question. You should also describe how the project could be modified, if possible, to make it consistent with the Oregon Coastal Management Program.