

CLAIM OF BENEFICIAL USE

TO APPROPRIATE THE PUBLIC WATERS

Section 17, Twp 7S, Range 4W
 Tax Lot # 100 (7-4-17 & 20)
 Polk County, Oregon

FOR: Mark Knaupp

Application # S-84626 Permit # S-53800
 Date Surveyed: Feb.6, 2004

SOURCE:
 Mud Slough Reservoir #1, constructed under Application No. R-84301, Permit No. R-12878, a tributary of Mud Slough.

CONVEYANCES:
 Transfer System:
 Motor: World Energy Guardian (WEG), Madras, OR
 Model: 00718EP3E213T
 Horsepower: 7.5 HP
 Max. RPM: 1800
 Voltage: 480V-3 ph

Pump: Meuret Pump, Inc., Madras, OR
 Model: 00-9-1
 Type: Centrifugal Lift Pump
 Intake/discharge size: 12"/10"
 Operating Pt.: 1170 gpm @ TDH=15'

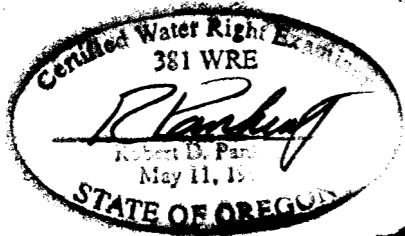
Pipe: ~1400 LF of 10" diameter PVC pipe

PLACE OF USE:
 SESW : NESE, NWSE, SWSE, SESE of Sec. 17,
 T7S, R4W, W.M.

NENE, NWNE, SWSE, SESE of Sec. 20, T7S, R4W,
 W.M.

NOTE:
 Map is for purpose of identifying location of Water Right and has not intent to dimension or locate property ownership lines.

The final proof survey and inspection of the water use as found to be completed under the terms and conditions of Permit #S-53800 was completed by me on March 22, 2004, and the facts contained in this report and map are correct to the best of my knowledge.

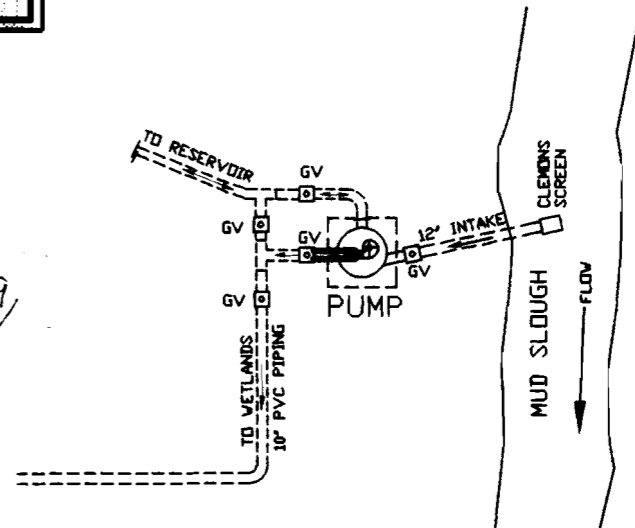


Bob Pankratz, PE, CWRE
 Water Right Examiner

POINT OF DIVERSION: (POD)

A 12" diameter "screened" intake pipe placed in Mud Slough within the SE1/4, SE 1/4, Sec.17, T7S, R4E, Sec. 17, WM, Polk County, Oregon; approximately 30-ft north and 255-ft west from the SE corner of Sec.17.

UTM Coord: 100484701 E
 4977863 N



PUMP /PIPING SCHEMATIC
 NTS

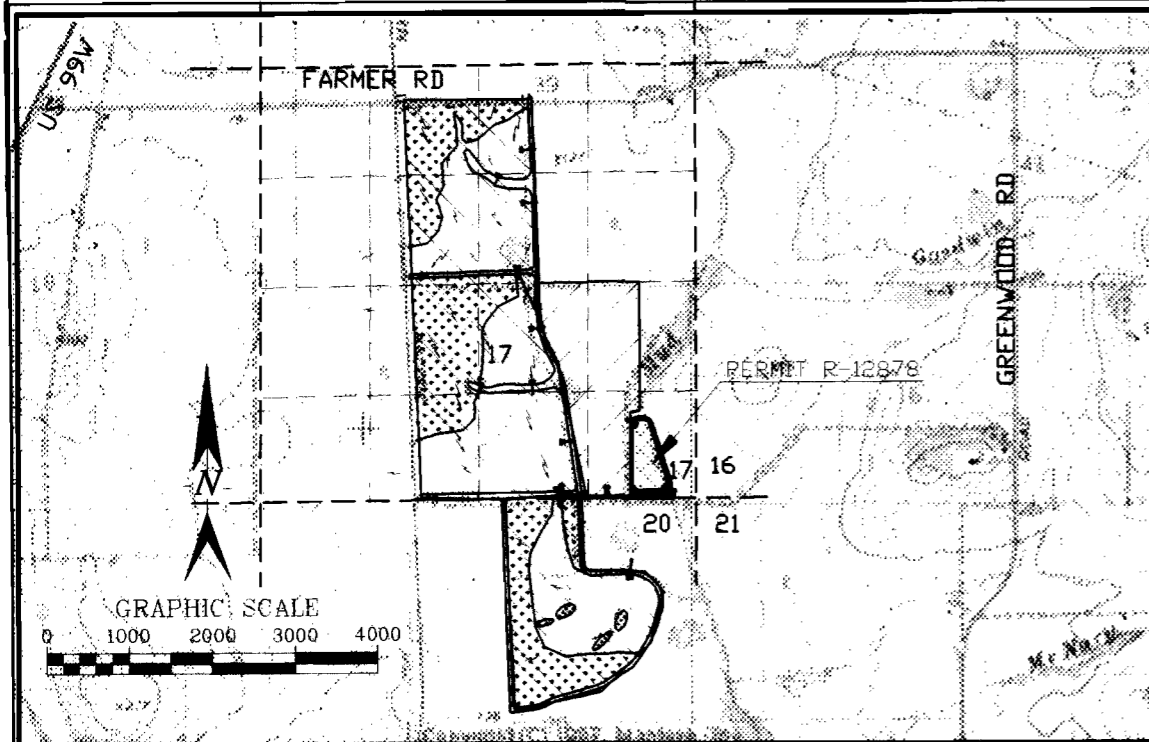
PIONEER ENGINEERING CORP.
 4025 Copper Glen Ct. SE - Salem, OR 97302
 phone: 503-391-2549
 fax: 503-391-2687
 pioneerengr@comcast.net



Mark Knaupp Water Right
 1875 Greenwood Rd N
 Rickreall, OR 97371
 Permit # S-53800
 Final Proof Map to Appropriate Water

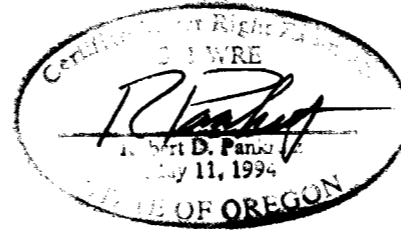
REV. NO.	DATE	DESCRIPTION

DRAWN: BP
 CHECKED: BP
 DATE: April 9, 2004
 DESIGN: BP
 APPLIED: BP
WATR-0402
 SHEET **1/4**



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Bob Pankratz, PE, CWRE
Water Right Examiner



NOTE:
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CLAIM OF BENEFICIAL USE

TO CONSTRUCT A RESERVOIR and STORE PUBLIC WATERS

Section 17, Twp 7S, Range 4W
Tax Lot # 100 (7-4-17 & 20)
Polk County, Oregon

FOR: Mark Knaupp

Application # R-84301 Permit # R-12878

Date Surveyed: Feb.6, 2004

OWNER INFORMATION :

Permittee:
Mark Knaupp
1875 Greenwood Road N
Rickreall, OR 97391

Property Owner: _____ **Person Interviewed:**
(same as above)

SOURCE OF WATER: Mud Slough, a tributary of Rickreall Crk

STORAGE FACILITY: Mud Slough Reservoir 1

PURPOSE OF USE OF STORED WATER: Wetland Enhancement

DATE OF PRIORITY: November 24, 1999

WATER MAY BE APPROPRIATED FOR STORAGE DURING THE PERIOD: November 1 through June 30 of each year

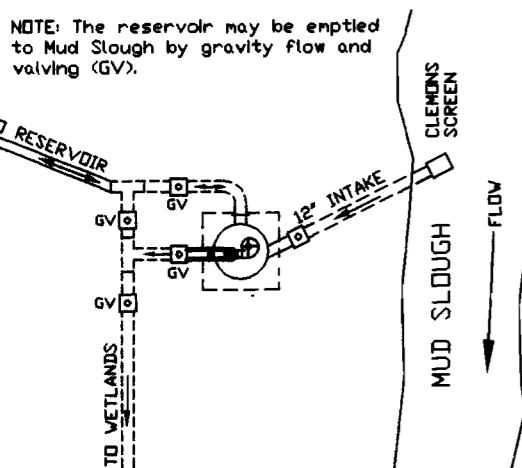
USGS Map - RICKREALL QUAD (Rev. 1976)

NOTE: The reservoir may be emptied to Mud Slough by gravity flow and valving (GV).

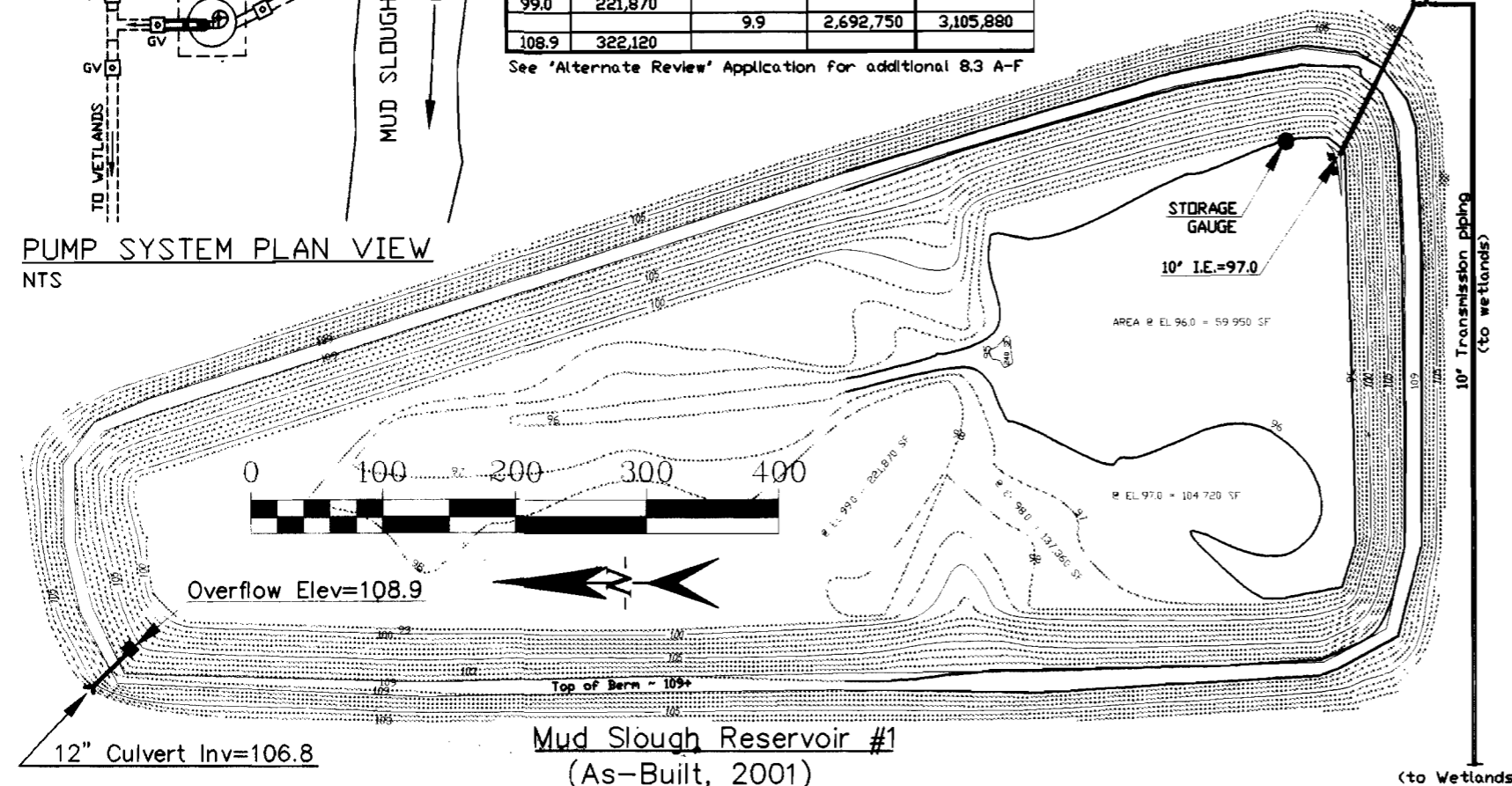
Reservoir #1 Volume is 3,105,880 cf = 71.3 A-F

ELEV.	AREA (sf)	DEPTH(ft)	VOL.(cf)	ΣVOL.(cf)
95.0	327	1	30,138	30,138
96.0	59,950	1	82,335	112,473
97.0	104,720	1	121,040	233,514
98.0	137,360	1	179,615	413,129
99.0	221,870	1	2,692,750	3,105,880
108.9	322,120	9.9	2,692,750	3,105,880

See 'Alternate Review' Application for additional 8.3 A-F

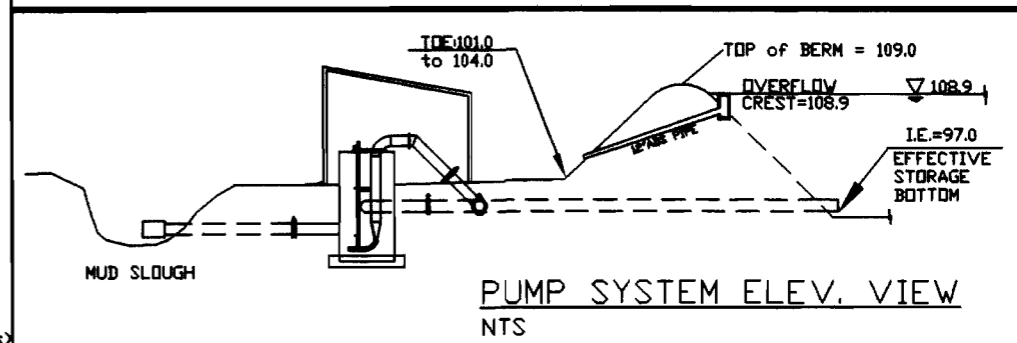


PUMP SYSTEM PLAN VIEW
NTS



Mud Slough Reservoir #1
(As-Built, 2001)

DIVERSION PT.
(See Sht 1/4)



PUMP SYSTEM ELEV. VIEW
NTS

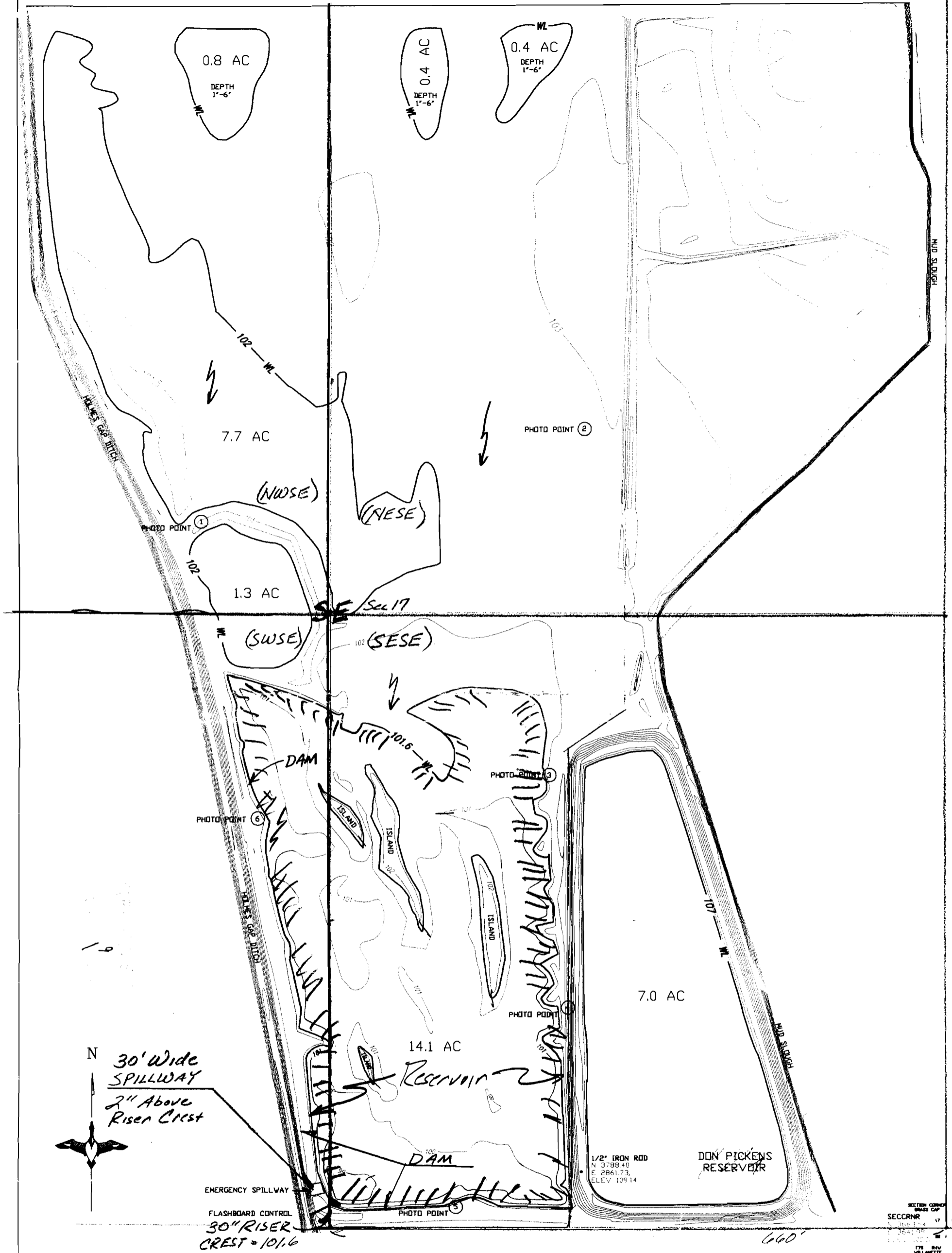
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PIONEER ENGINEERING CORP.
4025 Copper Glen Ct. SE - Salem, OR 97302
pioneerengineering@comcast.net
(503)391-2349 FAX (503)391-2687

Mark Knaupp Water Right
1875 Greenwood Rd N
Rickreall, OR 97391
Final Proof Map
Mud Slough Reservoir 1

REV. NO.	DATE	DESCRIPTION

DATE: April 9, 2004
WATR-0402
SHEET 2/4



30' Wide
SPILLWAY
2" Above
Riser Crest

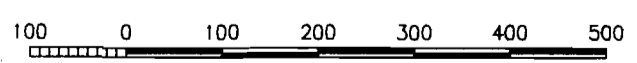


EMERGENCY SPILLWAY
FLASHBOARD CONTROL
30" RISER
CREST = 101.6

1/2" IRON ROD
N 3788.40
E 2861.73,
ELEV 109.14

DON PICKENS
RESERVOIR

SECTION CORNER
BLASS GAP
SECCRN
17
178
VILLANETTE
MORTGAGE



ASSUMED ELEVATION REFERENCE: SEC CRNR 17 1 1 = 100.00 FT BASIS OF BEARING: SCHULSON SURVEY 05/02/79

SHEET NO. OF	DRAWING NO.	CAD FILE NO.	MUD SLOUGH WETLAND MITIGATION BANK		DATE
			USDA NATURAL RESOURCES CONSERVATION SERVICE		Designed _____ Approved _____
			Drawn PAT SCHULTE	01/03/2001	Title _____
			Traced _____	Checked _____	Title _____

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