

T. 7 South R. 5 West

DALLAS QUADRANGLE  
OREGON-POLK CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
NE/4 DALLAS 15' QUADRANGLE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



RECEIVED  
JUN 11 1988  
WATER RESOURCES DEPT  
SALEM, OR

Application No. 84478  
Permit No.

**CALCULATIONS:**

LOW BERM

$((35+0)/2)204.6/27 = 132.6 \text{ CY}$   
 $((35+13)/2)201.2/27 = 178.8 \text{ CY}$   
 $((13+5)/2)214.9/27 = 71.6 \text{ CY}$

383.0 CY FILL

POND 1 170 CY  
 POND 2 50 CY  
 POND 3 175 CY

395 CY CUT

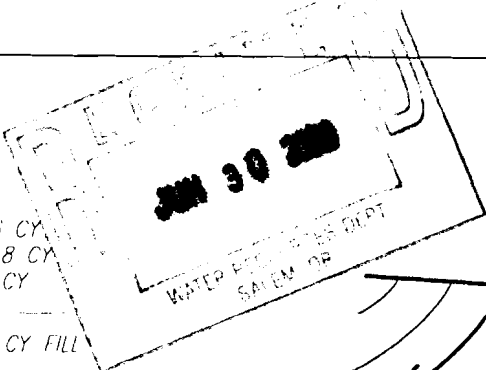
**NOTES:**

LOCATION SE CORNER SEC 2 R5W T7S WM 7502-800  
 DRAINAGE BASIN ASH SWALE OF SALLI CREEK OF S YAMHILL  
 NEAREST STREAM INT. TRIB OF ASH SWALE

PROJECT TYPE: DIKE CONSTRUCTION, SURFACE GRADING

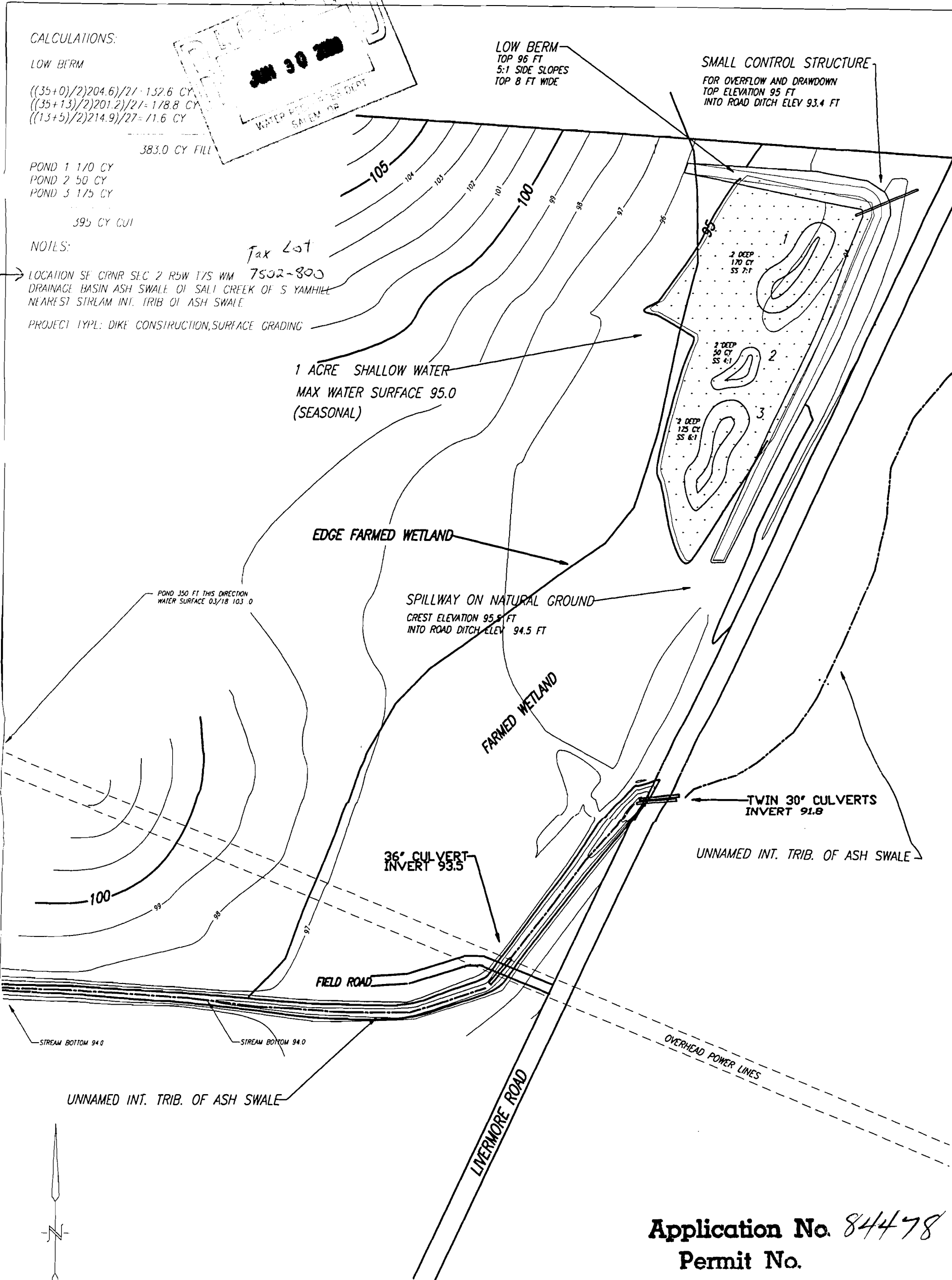
Tax Lot

1 ACRE SHALLOW WATER  
 MAX WATER SURFACE 95.0  
 (SEASONAL)



LOW BERM  
 TOP 96 FT  
 5:1 SIDE SLOPES  
 TOP 8 FT WIDE

SMALL CONTROL STRUCTURE  
 FOR OVERFLOW AND DRAWDOWN  
 TOP ELEVATION 95 FT  
 INTO ROAD DITCH ELEV 93.4 FT



SPILLWAY ON NATURAL GROUND  
 CREST ELEVATION 95.5 FT  
 INTO ROAD DITCH ELEV 94.5 FT

TWIN 30" CULVERTS  
 INVERT 91.8

36" CULVERT  
 INVERT 93.5

UNNAMED INT. TRIB. OF ASH SWALE

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ASSUMED ELEVATION REFERENCE      COMPASS BASIS OF BEARING      SURVEY HALE/SCHULTE 03/18/98

SHEET NO. OF	DRAWING NO.	CAD FILE NO.	SMITHFIELD CATTLE COMPANY		DATE	Approved		
			USDA NATURAL RESOURCES CONSERVATION SERVICE				Designed	Approved
							Drawn SCHULTE 03/18/98	Title
							Traced	Title
			Checked					