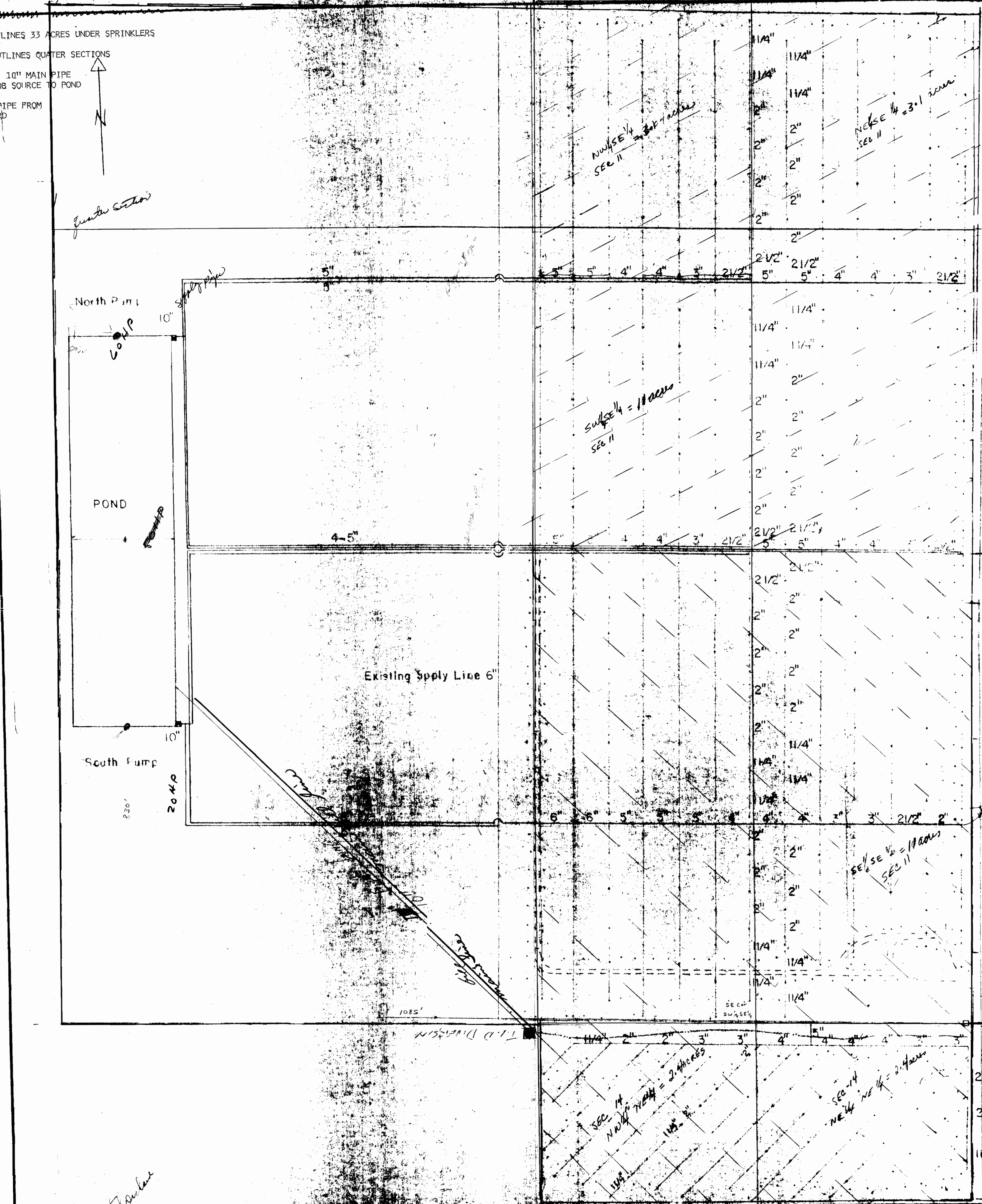


RED LINE - OUTLINES 33 ACRES UNDER SPRINKLERS
 BLUE LINE - OUTLINES QUARTER SECTIONS
 ORANGE LINE - 10" MAIN PIPE FROM IRRIGATION SOURCE TO POND
 BLACK LINE - PIPE FROM POND TO ORCHARD



DESIGN DATA

Crop: Pear Orchard
 Soil: Medford Silty Clay loam
 Cose Clay, Coker Clay
 Infiltration Rate: 0.3 in/hr
 Appl. Rate: 0.16 in/hr
 Block: A, B, C
 Spr. Spacing: 60x60, 60x60, 44x44
 No. Sprinklers: 195, 161, 96
 GPM/Spr: 5.5, 5.5, 3.0
 Muzzles: 1/64, 1/64, 1/8
 Lateral Loss: 1.6 psi, 1.6 psi, 1.0 psi
 Operating Pressure: 40-45 psi

MANAGEMENT DATA

Consumptive Use: 0.21 in/day
 Net Appl.: 5.1 inches
 Frost Protection: As Needed
 Irrigation: 45 hrs or As Needed

PIPE SUMMARY

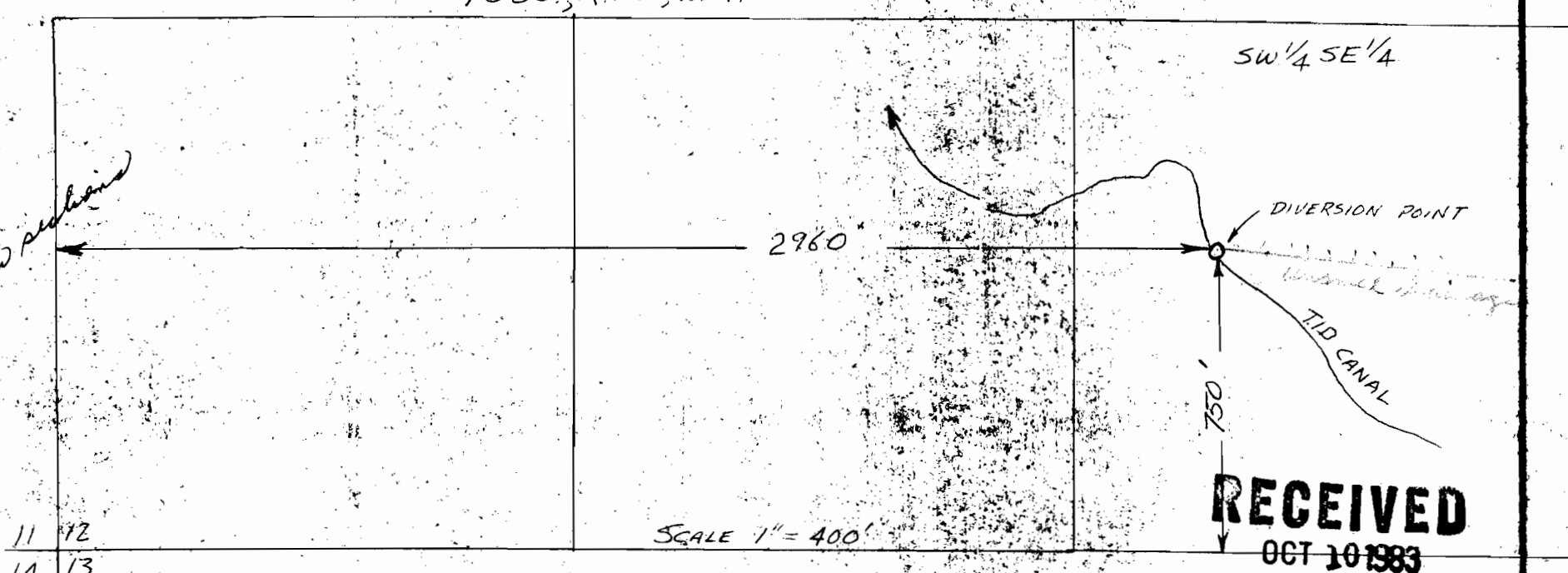
Mainline PVC Class 125, Block	A	B	C	Total
10" Dia.	20'	20'	40'	80'
6"	20'	20'	40'	80'
4"	450'	250'	750'	1,450'
3"	480'	480'	240'	1,200'
2 1/2"	1760'	940'	680'	3,380'
2"	6240'	5100'	680'	11,920'
1 1/4"	3120'	2400'	2400'	7,920'
	16,380'	13,320'	5,310'	35,010'

PUMP REQUIREMENTS

North Pump: 1066 GPM, 168 TDH, 64 HP
 South Pump: 1170 GPM, 168 TDH, 70 HP

THRUST BLOCK AREA

Dia. Pipe	sq. ft.	Thrust blocks at elbows and tees.
10"	10.0	
6"	6.3	
4"	3.6	
3"	2.6	



Application No. 67453 +
 Permit No. R-67452
 R 9688 48421

RECEIVED
 DEC 22 1983
 WATER RESOURCES DEPT.
 SALEM, OREGON

RECEIVED
 OCT 10 1983
 WATER RESOURCES DEPT.
 SALEM, OREGON

RECEIVED
 FEB 17 1984
 WATER RESOURCES DEPT.
 SALEM, OREGON

RECEIVED
 APR 16 1984
 WATER RESOURCES DEPT.
 SALEM, OREGON

SWEDENBUS EAST, PURDY FROST CONTROL & IRRIGATION SYSTEM

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

Designed: J.H.D. Date: 1/2/83
 Drawn: J.H.D. Date: 1/2/83
 Traced: _____ Date: _____
 Checked: _____ Date: _____

Approved by: _____
 Title: _____
 Date: _____

Drawing No. _____