

TYPICAL STREAM BED CROSS SECTION

Streambed material

30% Fines (dirt, silt, sand)

30% Small Rock (1/2" - 6" dia.)

30% Large Rock (6" - 16" dia.) ~~10%~~

10% Over-Size Rock (16" - 30" dia.)



— INSTALLATION —

5' to 10' OF STREAMBED WILL BE CONSTRUCTED
AT THE BOTTOM OF THE STREAM. AT WHICH TIME
AN INSPECTION WILL BE CALLED FOR.

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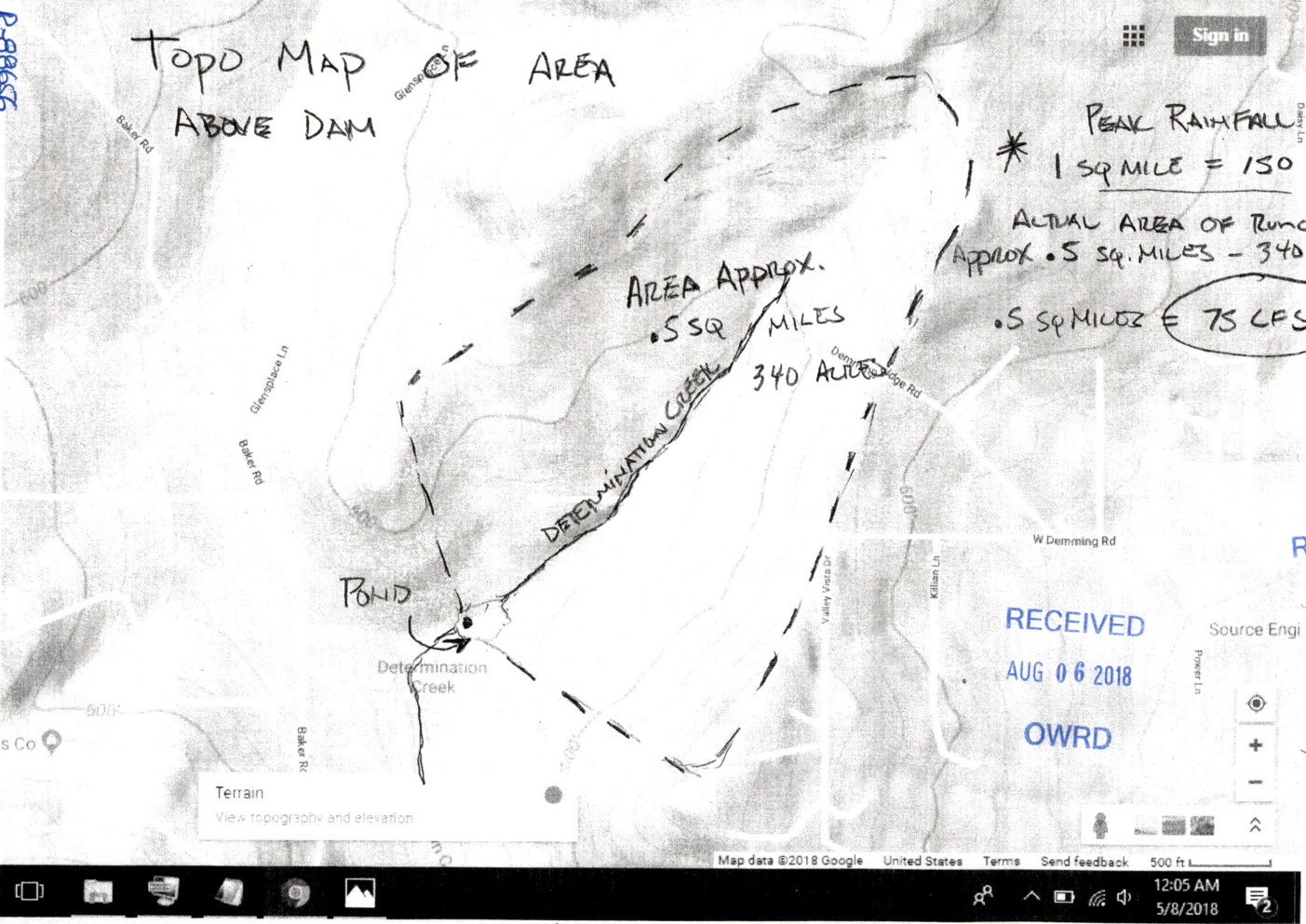
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90161 BAKER RD
ELMIRA, OR.

R-88656



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* FROM - DEPT OF FORESTRY 50 YR FLOOD EVENT GUIDELINES FOR THIS AREA,

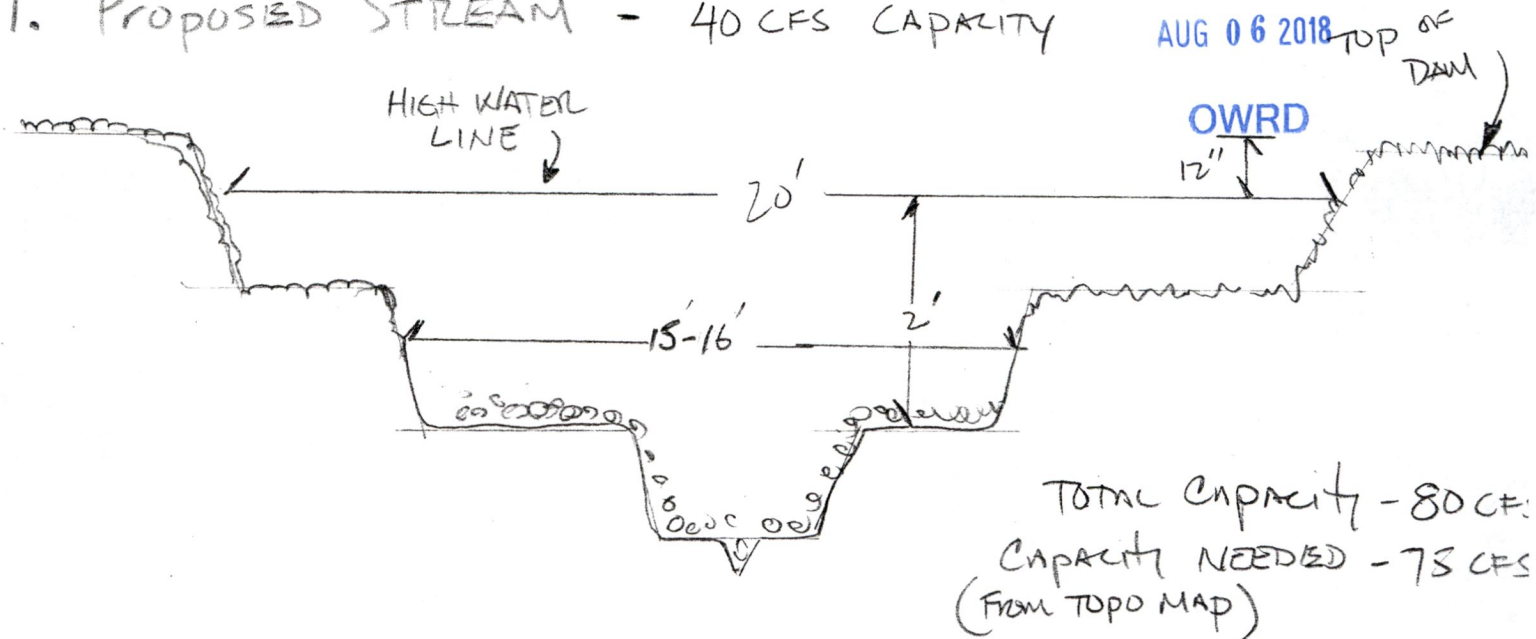
CALCULATIONS FOR 50 YEAR FLOOD SPILLWAY OPENING SIZE

THERE ARE 2 SPILLWAYS AT POINT OF DAM.

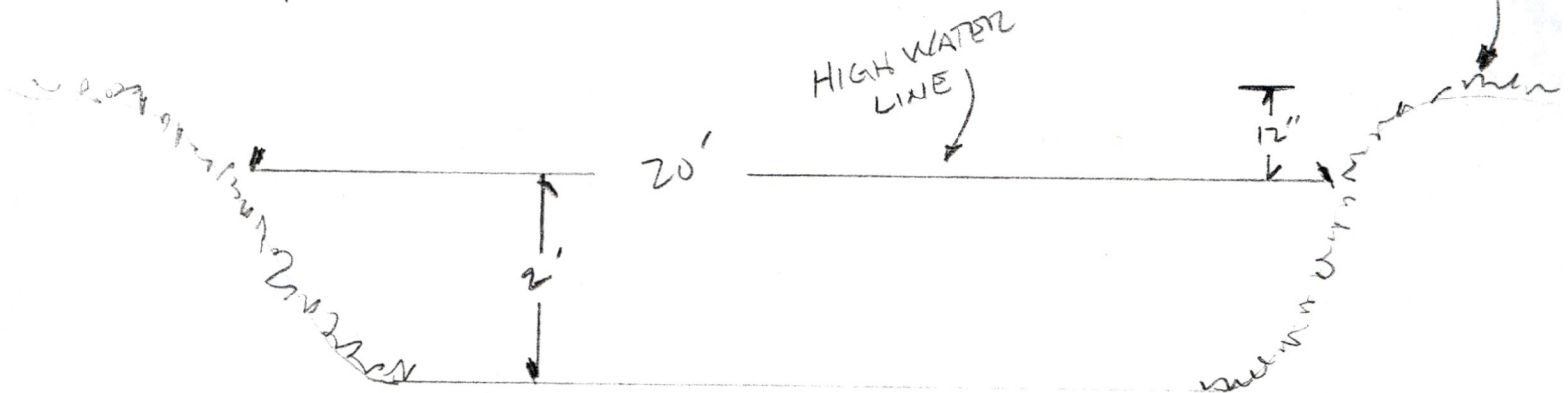
1. PROPOSED STREAM - 40 CFS CAPACITY

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2. EXISTING SECONDARY SPILLWAY - 40 CFS CAPACITY
AT OPPOSITE END OF DAM



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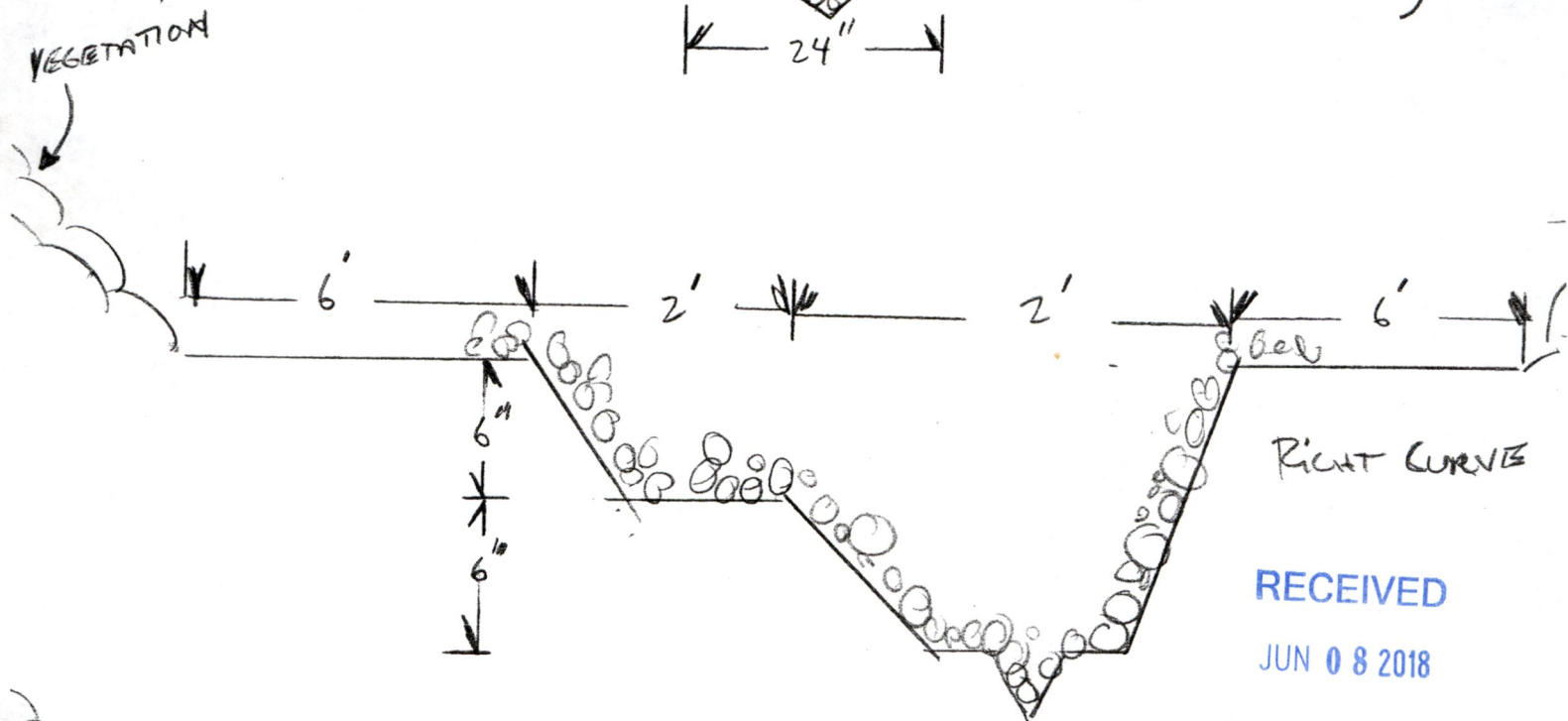
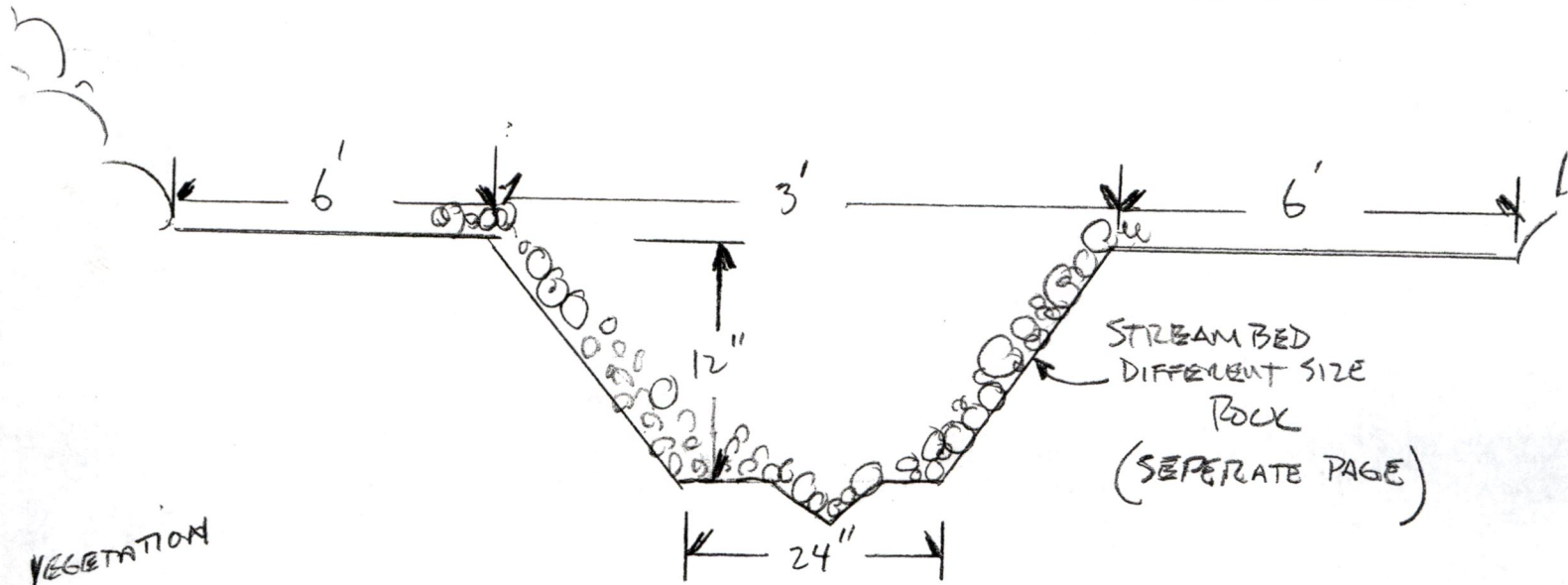
RICK DeANGELO
90161 BREEN RD
ELMIRA

NOT TO SCALE

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TYPICAL CROSS SECTIONS

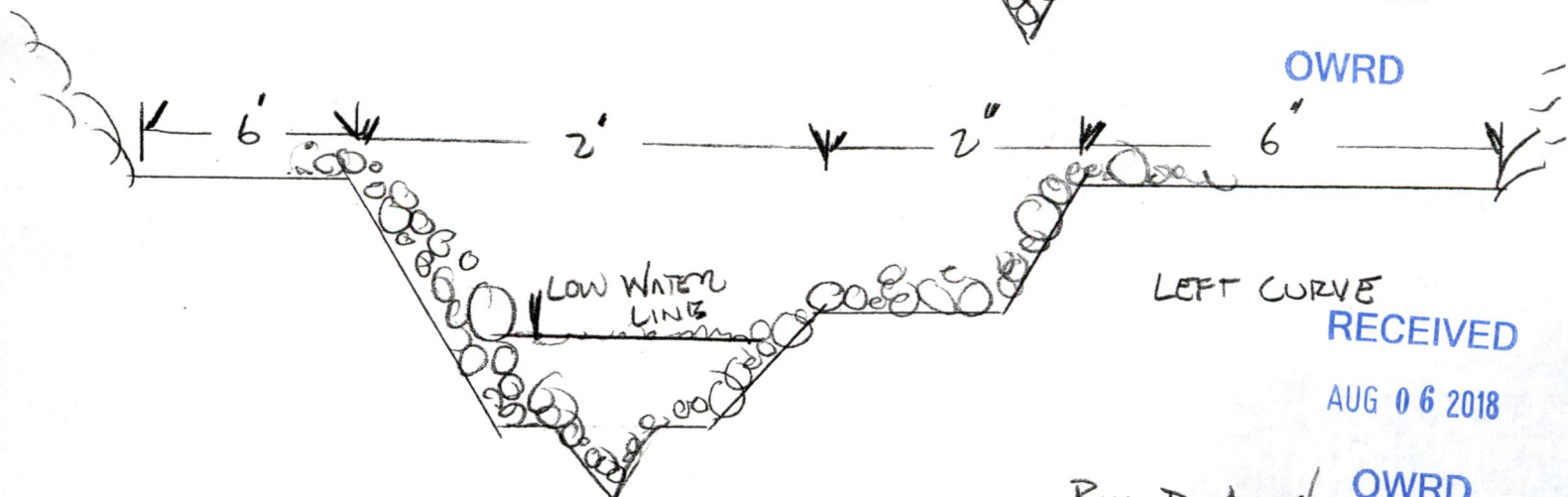
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LEFT CURVE

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CROSS SECTION OF DAM

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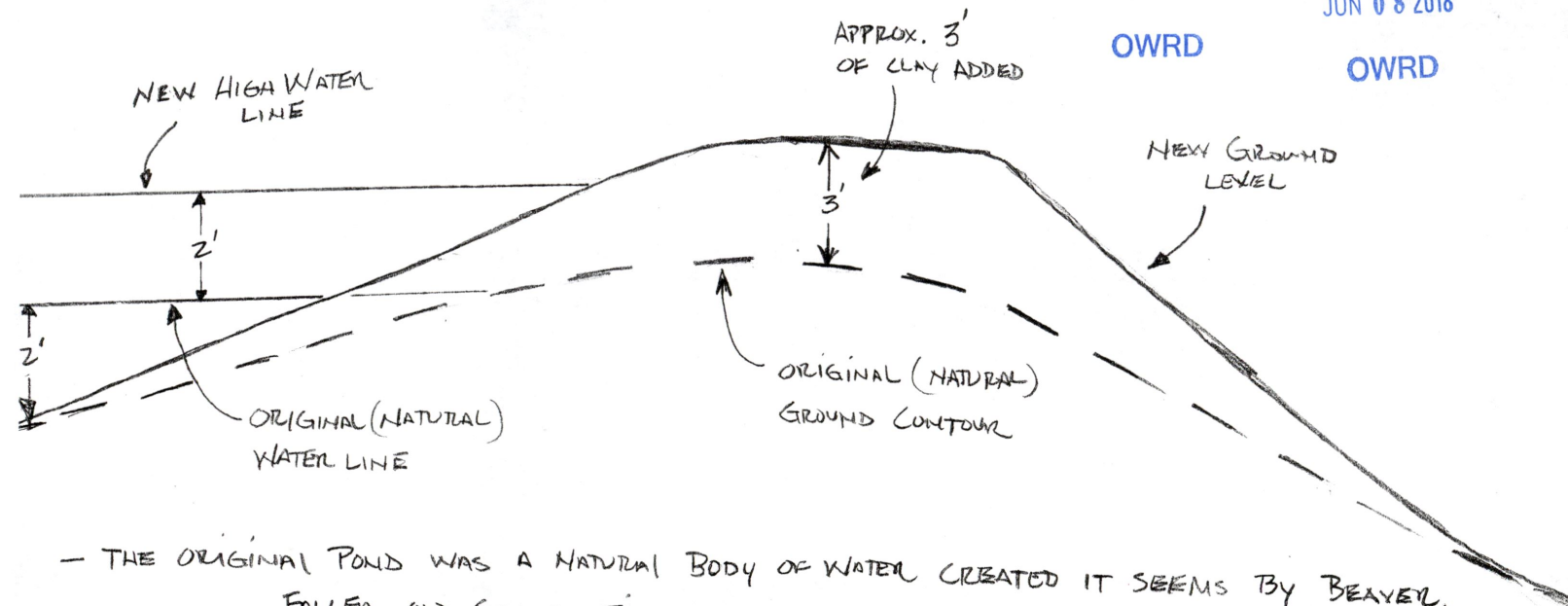
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- THE ORIGINAL POND WAS A NATURAL BODY OF WATER CREATED IT SEEMS BY BEAVER, FALLEN OLD GROWTH FIR TREE AND MANY YEARS.
- THE ALTERED POND WAS MADE APPROX. 2' DEEPER BY ADDING 3' OF EARTH TO THE EXISTING LOWER POND EDGE. APPROX 50' IN TOTAL LENGTH.

R-00652

LOW WATER FLOW

THERE ARE 2-4" PIPES WHICH ALLOW THE WATER TO BE COMPLETELY DRAINED IN SUMMER MONTHS. THEY HAVE NOT BEEN NEEDED BECAUSE THE NATURAL SEEPAGE DRAINS THE POND AND ALLOWS SUMMER LOW WATER TO CONTINUE TO FLOW.

FROM ABOUT THE BEGINNING OF JULY UNTIL THE FIRST RAINS IN OCTOBER, THIS HAPPENS NATURALLY. THE VALVES CAN BE OPENED AND POND DRAINED BEFORE THAT TIME.

POND

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4'x4' CATCH BASIN

PROPOSED NEW
STREAM - TO ALLOW
FOR FISH PASSAGE

EXISTING
STREAM

EXISTING DRAIN

2-4" PVC PIPES
CAN DRAIN POND INTO
CREEK W/ 2 VALVES @
LOWER END

AREA OF
NATURAL
SEEPAGE

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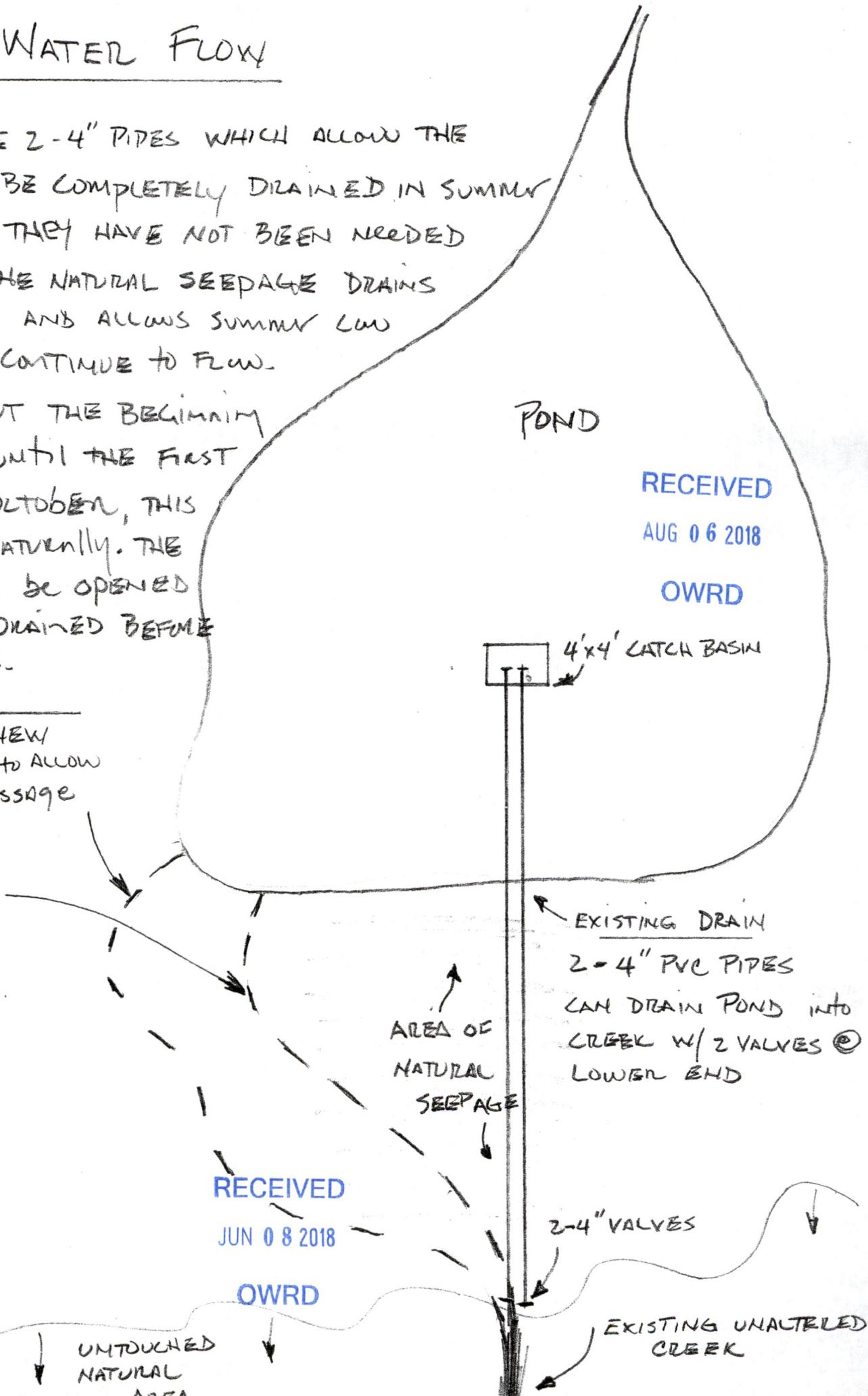
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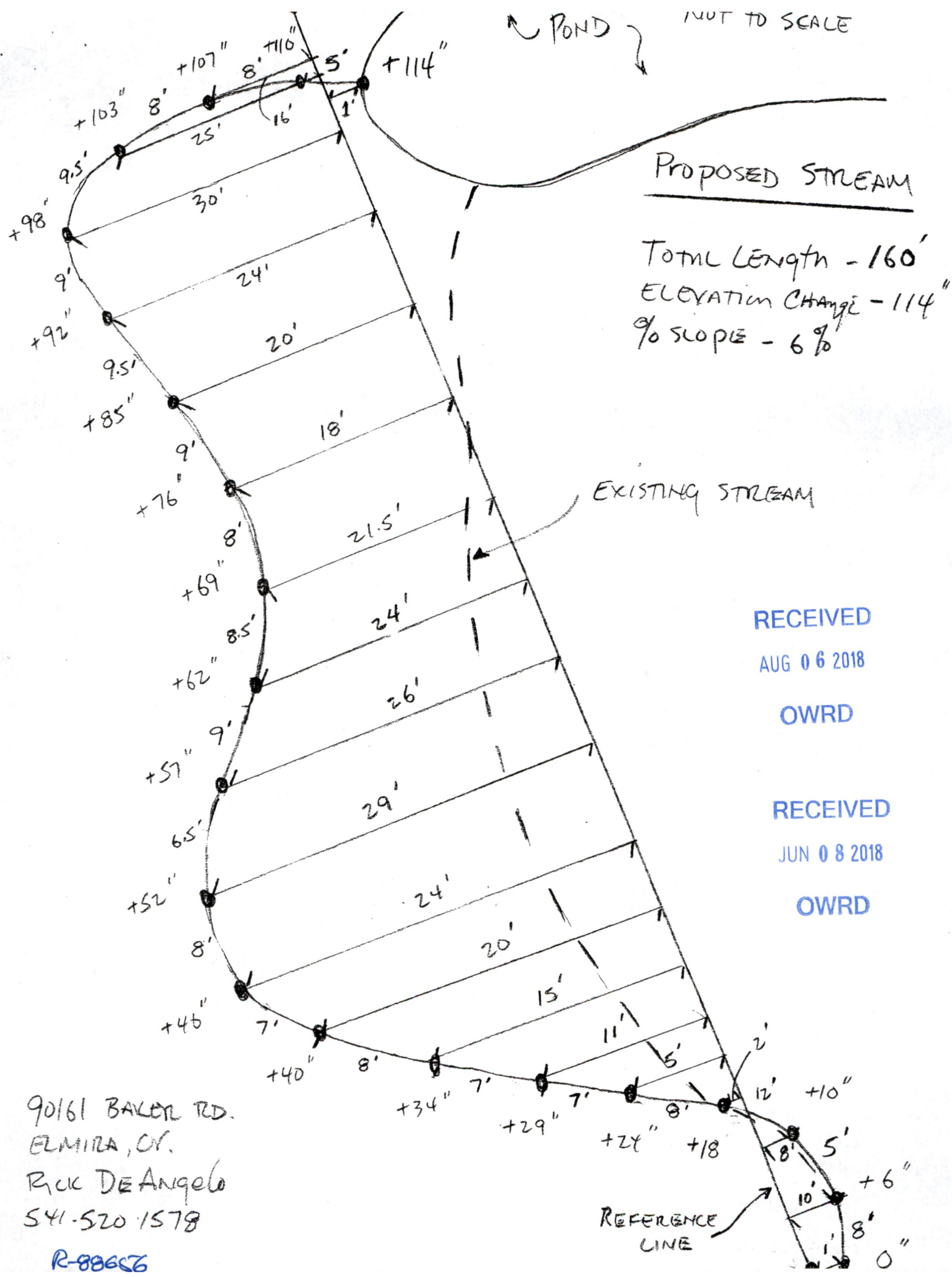
2-4" VALVES

EXISTING UNALTERED
CREEK

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UNTOUCHED
NATURAL
AREA





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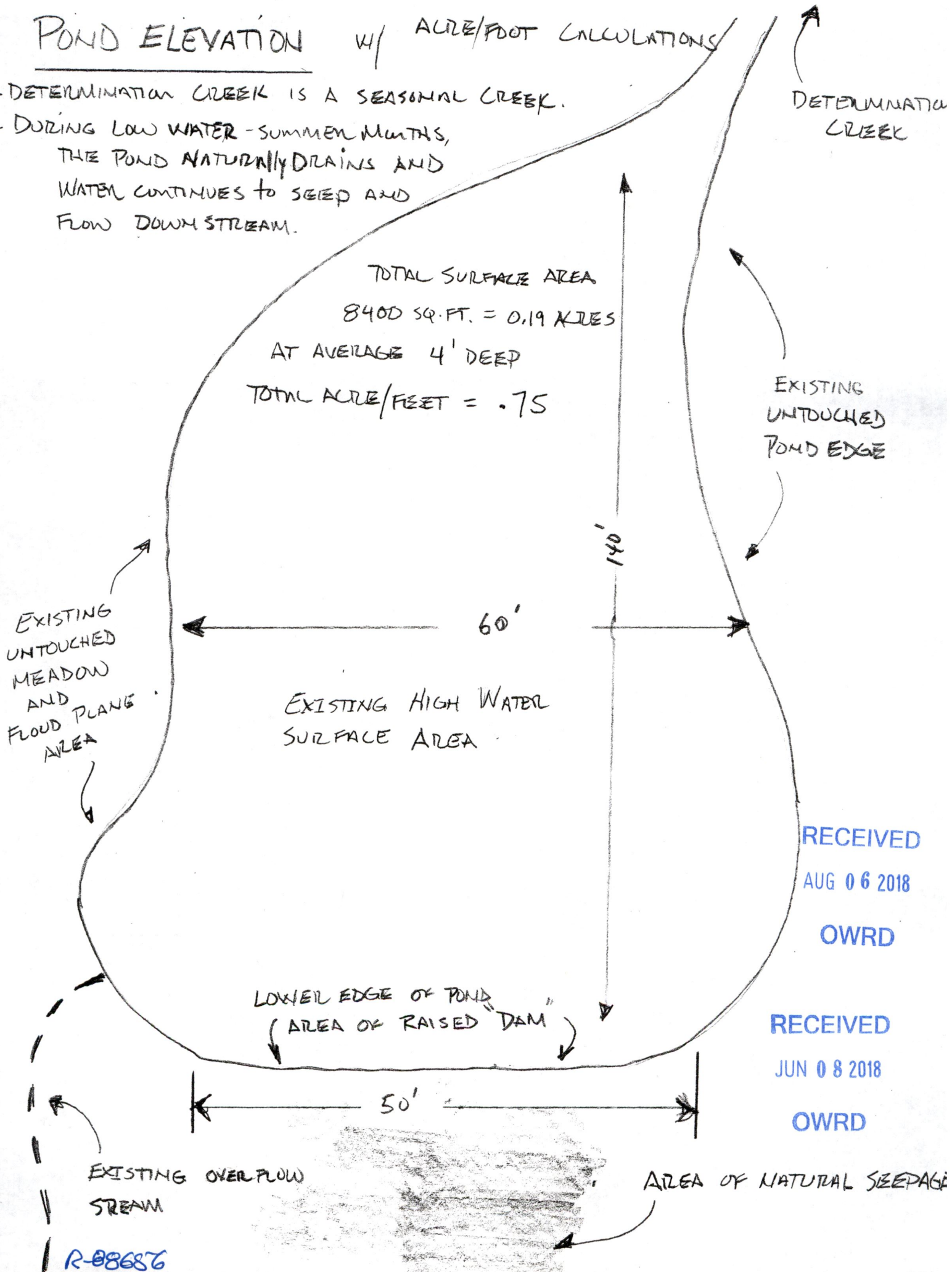
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90161 BAKER RD.
 ELMIRA, NY.
 Rick DeAngelo
 541-520-1578

R-88656

POND ELEVATION w/ ACRE/FOOT CALCULATIONS

- DETERMINATION CREEK IS A SEASONAL CREEK.
- DURING LOW WATER - SUMMER MONTHS, THE POND NATURALLY DRAINS AND WATER CONTINUES TO SEEP AND FLOW DOWNSTREAM.



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