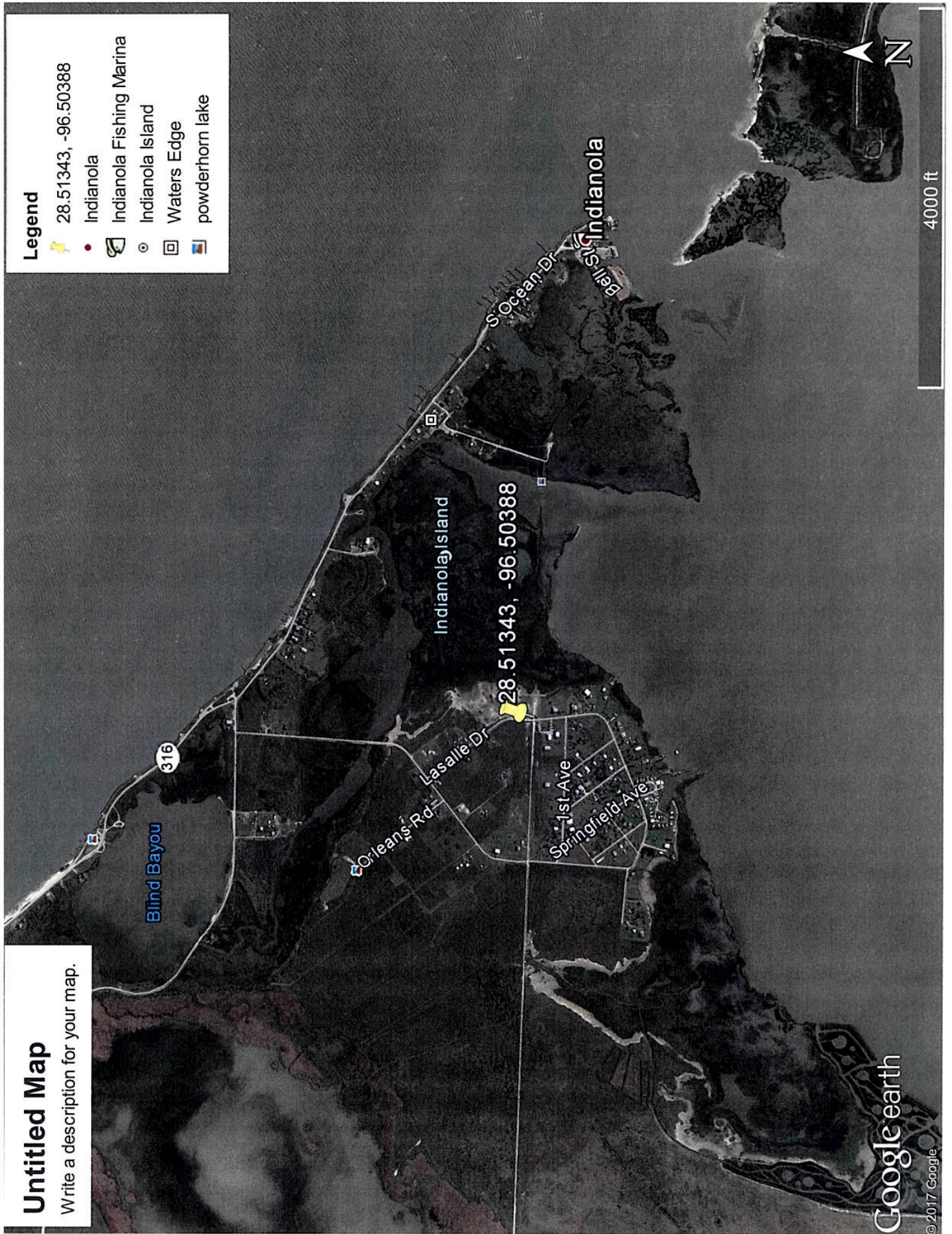
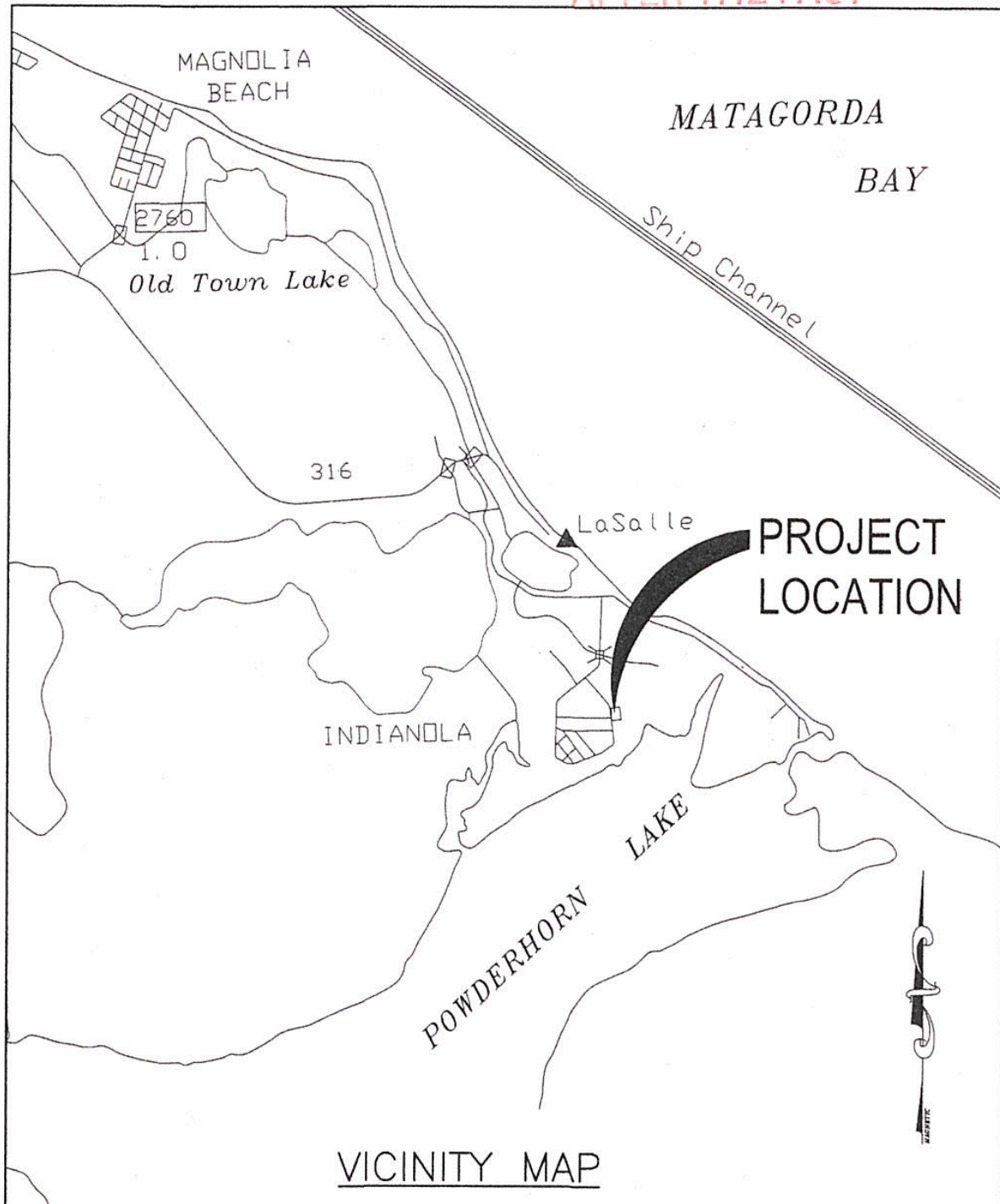




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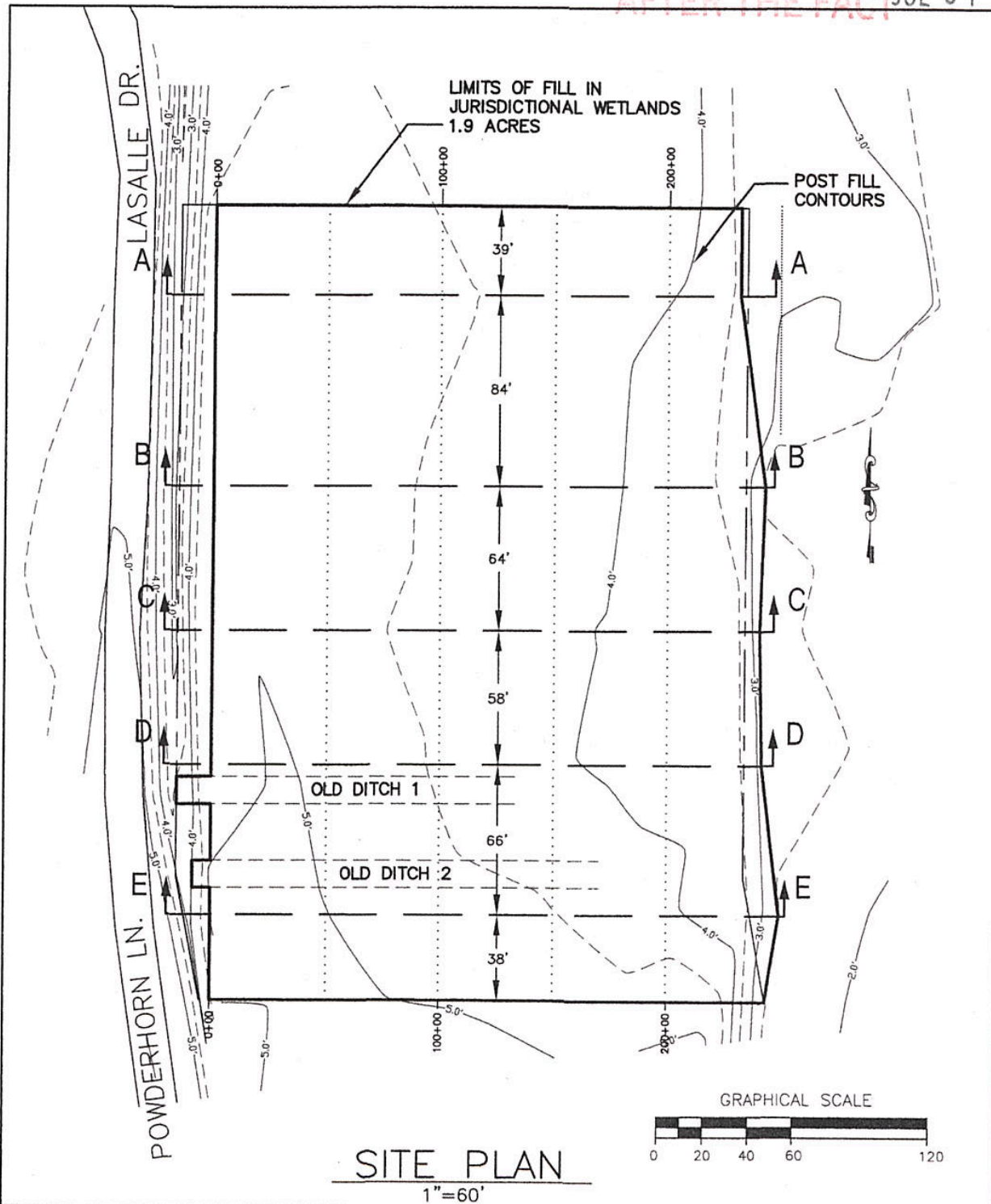
AFTER THE FACT



SWG-2016-00774
PURPOSE: AFTER THE FACT
PERMIT APPLICATION
DATUM: NGVD '29

CONSTRUCTION OF FILL MATERIAL
IN JURISDICTIONAL WETLANDS
BAYSIDE BEACH, CALHOUN COUNTY
STATE OF TEXAS
APPLICATION FOR AFTER-THE-FACT PERMIT
BY MR. DOUG JENSEN

AFTER THE FACT JUL 31 2017

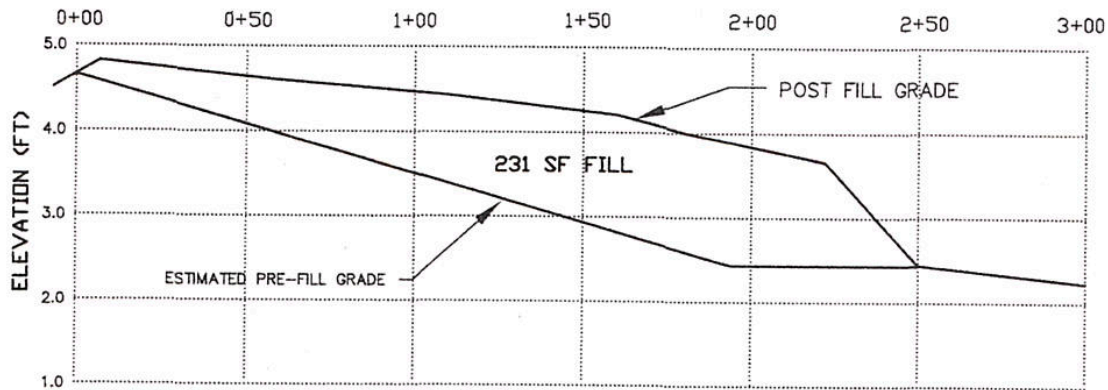
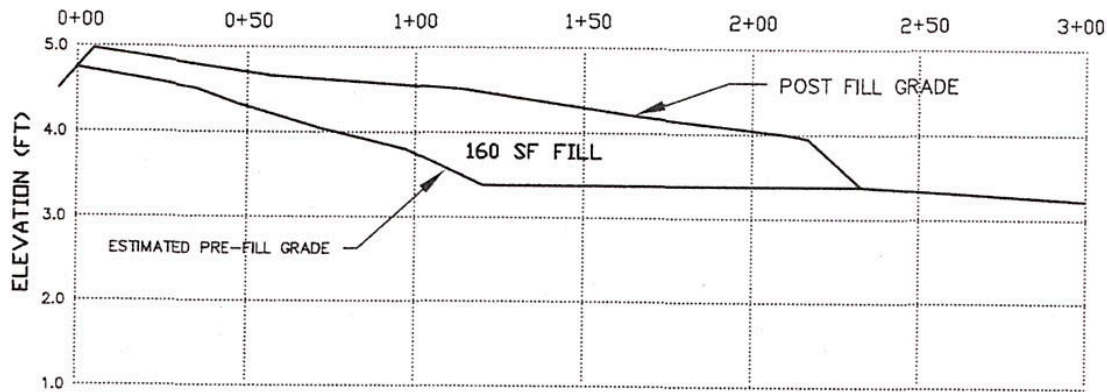


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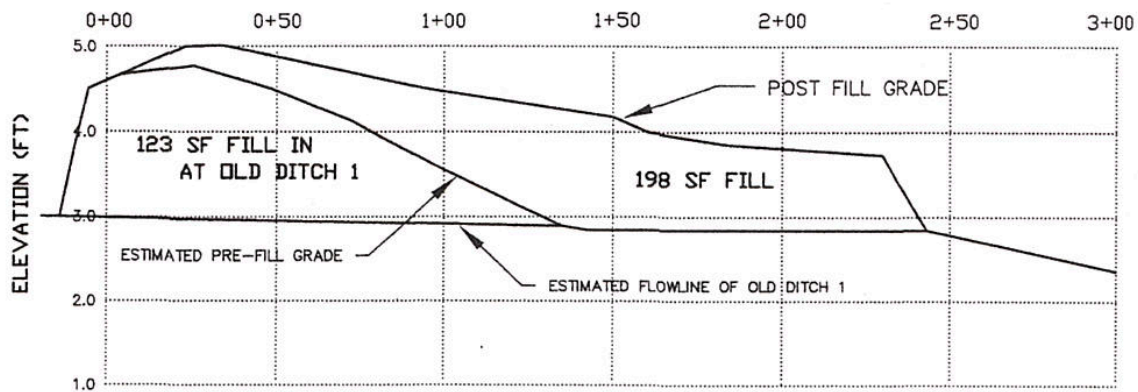
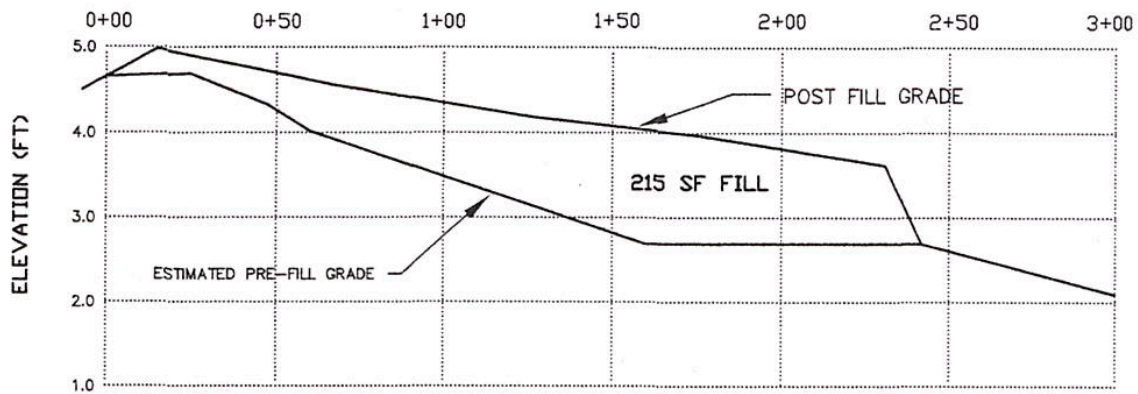


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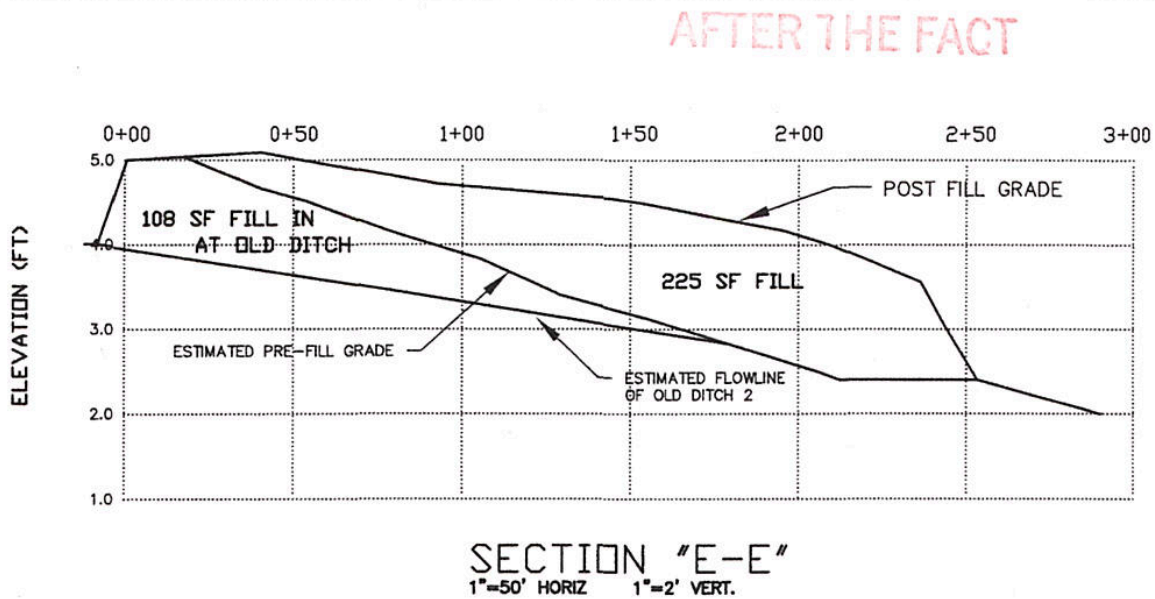
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CALCULATION OF FILL VOLUME

A: (FILL TAPERS DOWN FROM CROSS-SECTION A-A TO EXIST. PRE-FILL GRADE @ N. PERIMETER LINE OF FILL AREA)

$$160 \text{ SF} \times [42' + \frac{1}{2}(39')] = 9840 \text{ CF}$$

B: $231 \text{ SF} \times (32' + 42') = 17094 \text{ CF}$

C: $215 \text{ SF} \times (29' + 32') = 13115 \text{ CF}$

D: $198 \text{ SF} \times (33' + 29') = 12276 \text{ CF}$

E: (FILL MEETS EXISTING HIGHER ELEVATION AT SOUTH END OF FILL AREA)

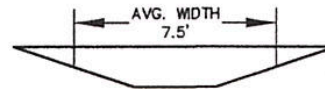
$$225 \text{ SF} \times (38' + 33') = 15975 \text{ CF}$$

OLD DITCH 1: $123 \text{ SF} \times 7.5' = 923 \text{ CF}$

OLD DITCH 2: $108 \text{ SF} \times 7.5' = 810 \text{ CF}$

TOTAL CF = 70,033

TOTAL CY = 2594



ESTIMATED CROSS SECTION
OF OLD DITCH 1 AND 2

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