

Information for File # 2007-05661-LED

Applicant	Cook County/Grand Marais Joint EDA
Corps Contact	Leslie Day
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Phone	(651) 290-5693
Primary County	Cook County
Section	Sections 28 and 33
Township	T. 60N.
Range	R. 3W.
Information Complete On	July 24, 2013
Posting Expires On	August 12, 2013
Authorization Type	LOP-05-MN

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated waterbody/wetland impacts and compensatory mitigation requirements identified above. An approved jurisdictional determination will be made prior to reaching a permit decision, and will be posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/>.

Project

Project Description and Purpose:

The purpose of the project is to provide the comprehensive renovation of the Superior National Golf Course. The applicant is proposing to renovate and upgrade all 18 holes (including fairways, tees, greens) on the River and Canyon Course in Lutsen, Minnesota. The River and Canyon Course is part of the Superior National Golf Course, which contains 27 holes.

Of the 18 holes being renovated, only four would involve impacts to waters of the United States (Hole 6 River and Holes 3, 4 and 5 Canyon). The project would involve the permanent loss of 13,059 square feet (0.3 acres) of wetlands, including 12,488 square feet of hardwood and coniferous swamp (Type 7) and 1,061 square feet of seasonally flooded (forested) basin (Type 1) wetlands. 8,386 square feet of impacts would be associated with Hole 6 River for the creation of a new landing area. 1,810 square feet of impacts would be associated with Hole 4 Canyon and 1,653 square feet of impacts would be associated with Hole 5 Canyon for the extension of the holes. 1,210 square feet of impacts would be associated with Hole 3 Canyon for the purpose of widening the fairway landing area.

Project Involves:

The project would result in the loss of some terrestrial habitat (primarily forested habitat immediately adjacent to the existing golf courses) for a variety of wildlife, including the Canada lynx, a federally-listed threatened species. The project is located within designated critical habitat for Canada lynx. This species could use the area for hunting, feeding, resting, as a travel corridor, and for raising young.

The project is located within the 1854 Ceded Territory as determined by the Treaty of 1854.

Alternatives Considered:

The applicant has considered various design plans since the project's conception, during conversations with the Corps, and prior to the submittal of an application.

1. Alternative 1: No Action
2. Alternative 2: Originally the applicant considered only replacing the irrigation system and rebuilding traps and tees. However, this alternative was rejected as it would not address the badly deteriorated fairways, shrinking greens, drainage issues, or improve the course design to improve the financial viability and competitiveness of the golf course.
3. Alternative 3: Once it was determined that the project must include some level of course renovation, the applicant considered a full scale expansion outside existing course boundaries. This alternative was dismissed due to high wetland impacts (approximately 5 acres) and close proximity and potential impacts to the Poplar River.
4. Alternative 4: The applicant considered a design alternative that would achieve the necessary course renovation and infrastructure changes while staying in close proximity to the existing course boundaries. This alternative design plan would have impacted approximately 27,000 square feet of wetlands (18,000 square feet at Hole 6 River). This alternative was dismissed due to greater impacts to waters of the United States.
5. Alternative 5: Following the exploration and design of Alternative 4, the applicant determined that by minimizing the length of holes and adjusting tee locations, impacts to waters of the United States could be significantly minimized while still making the infrastructure changes needed to keep the golf course viable and

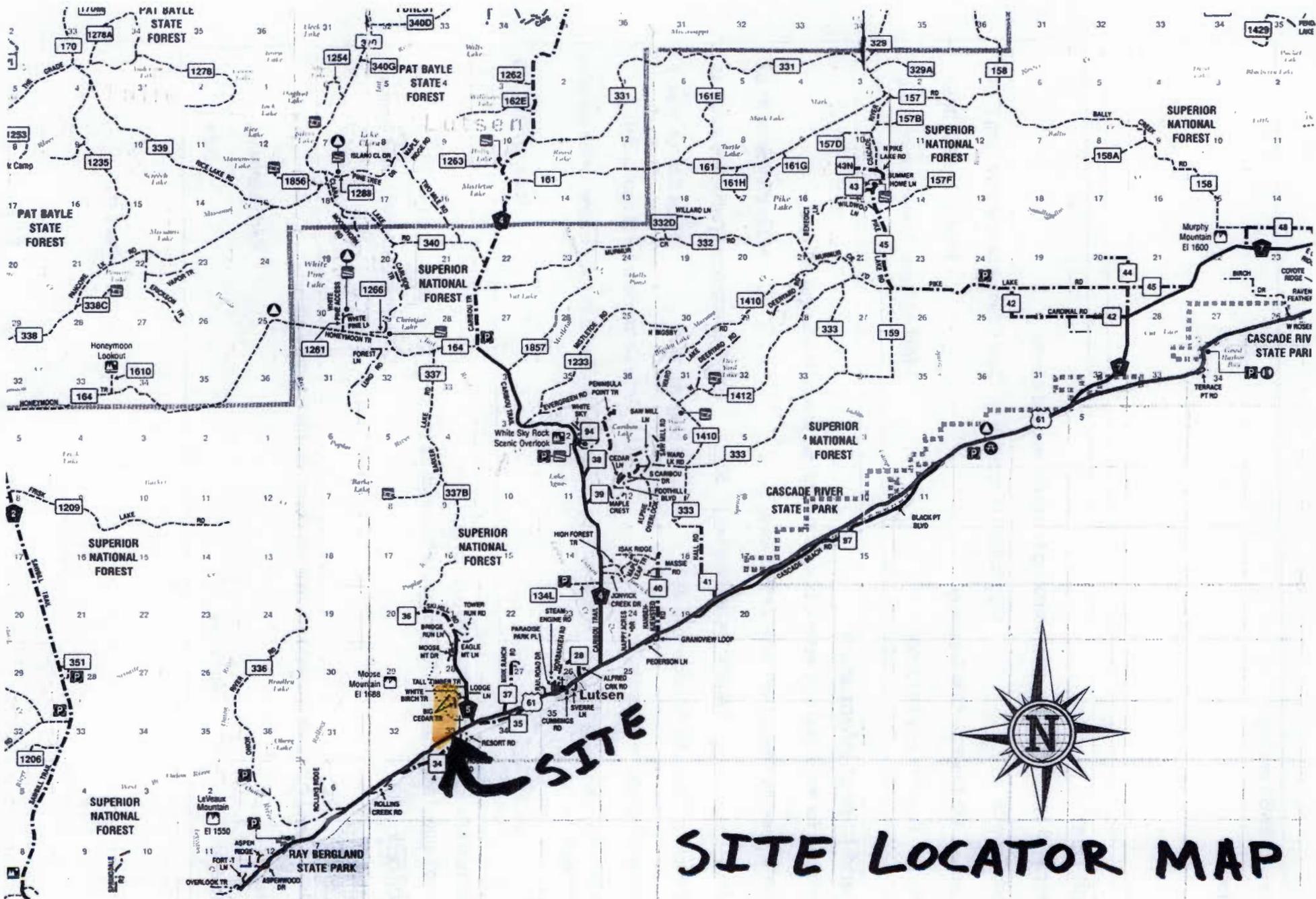
marketable. This is the preferred alternative with 13,059 square feet of impacts to waters of the United States.

Another design alternative considered was to replace the irrigation system and rebuild traps and tees. While this alternative would have resulted in lesser impacts

Compensatory Mitigation:

Compensatory mitigation for the permanent loss of 13,059 square feet (0.3 acres) of wetlands associated with the project would be required. OP-R staff have notified the applicant of this requirement and requested a mitigation proposal using Corps approved mitigation bank credits in Bank Service Area (BSA) 1 or 2.

Drawings See attached.



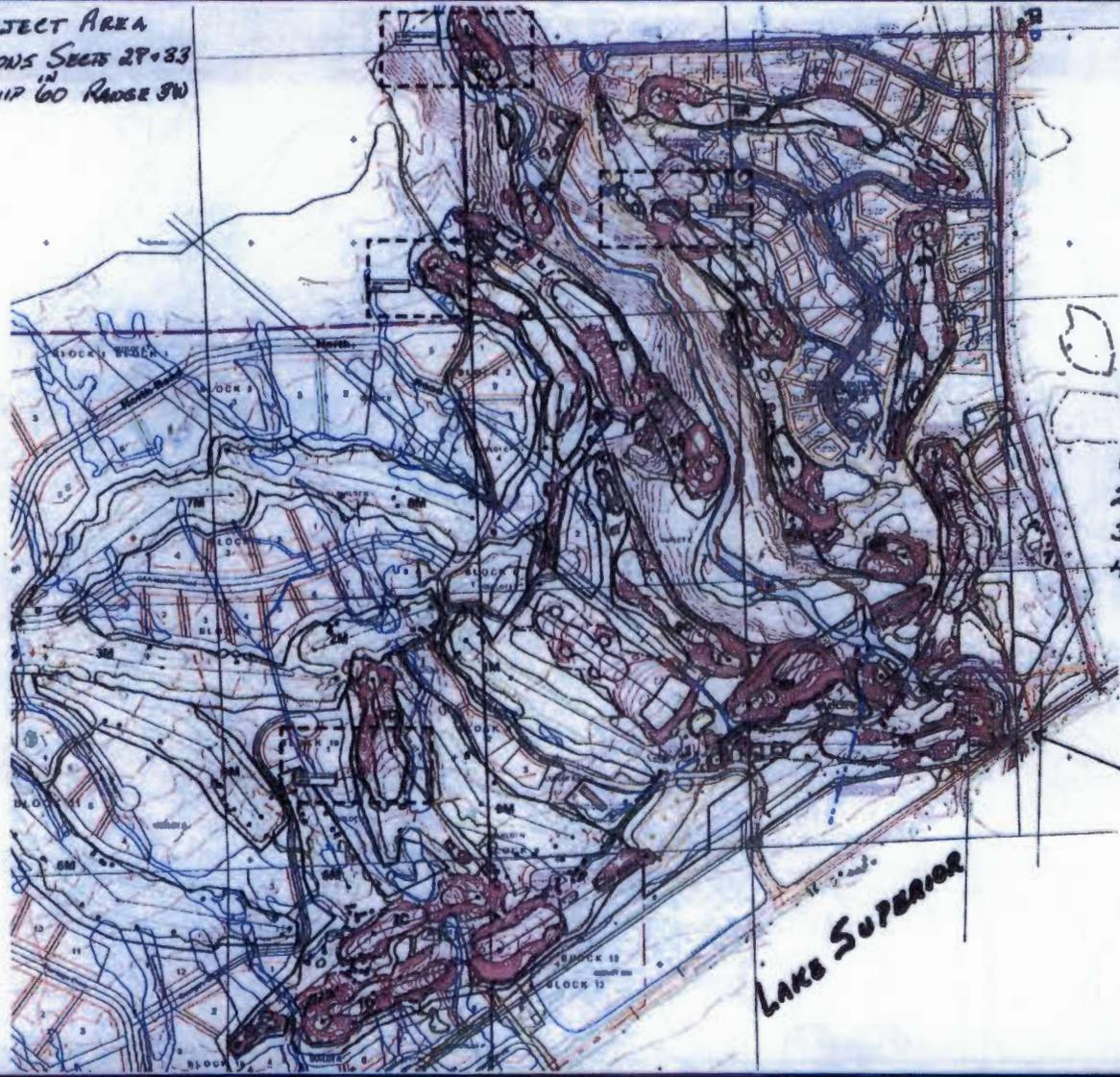
SITE LOCATOR MAP

R.4W.

R.3W.

R.2W.

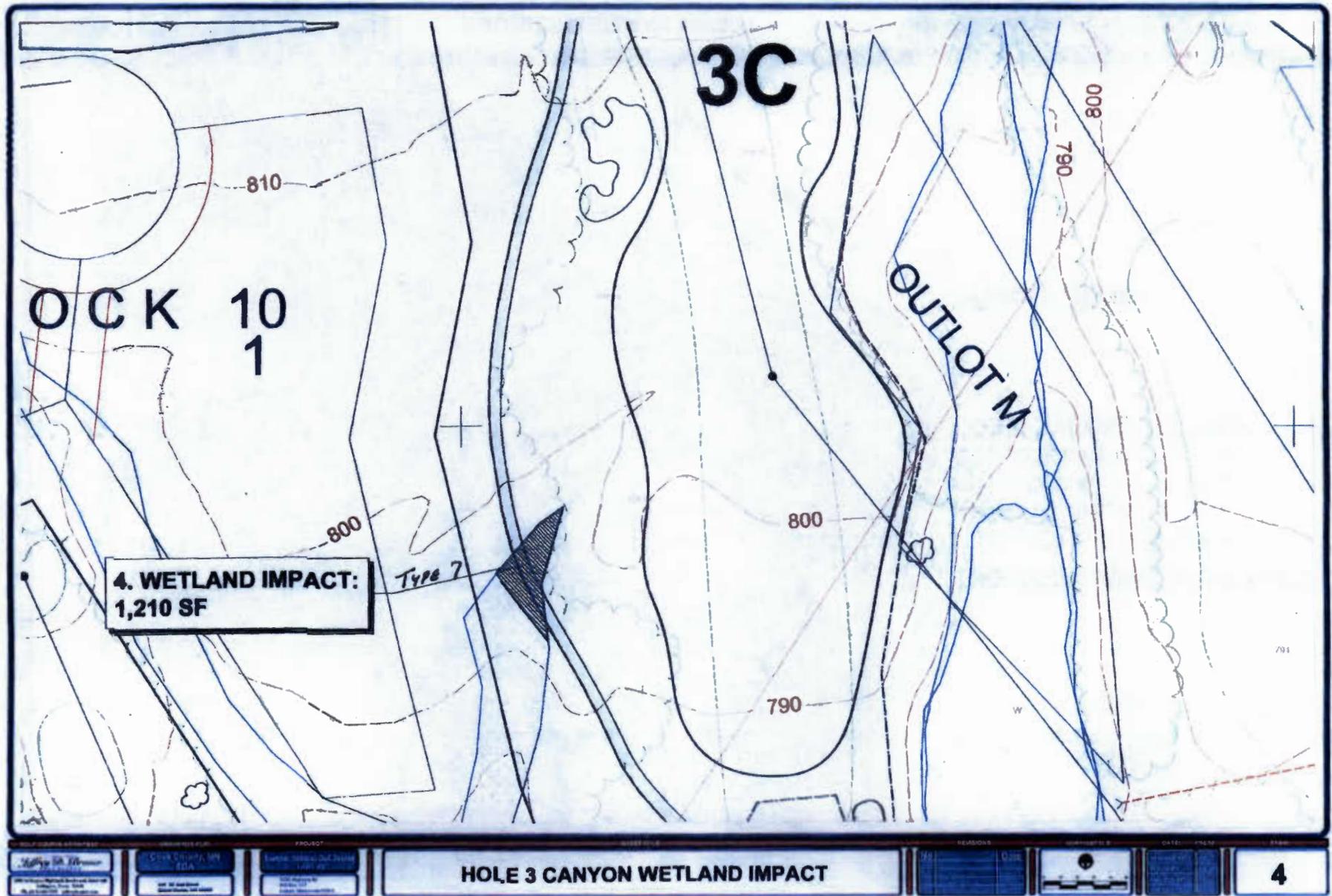
PROJECT AREA
PORTIONS SECTS 27-33
TOWNSHIP 60 RANGE 3W

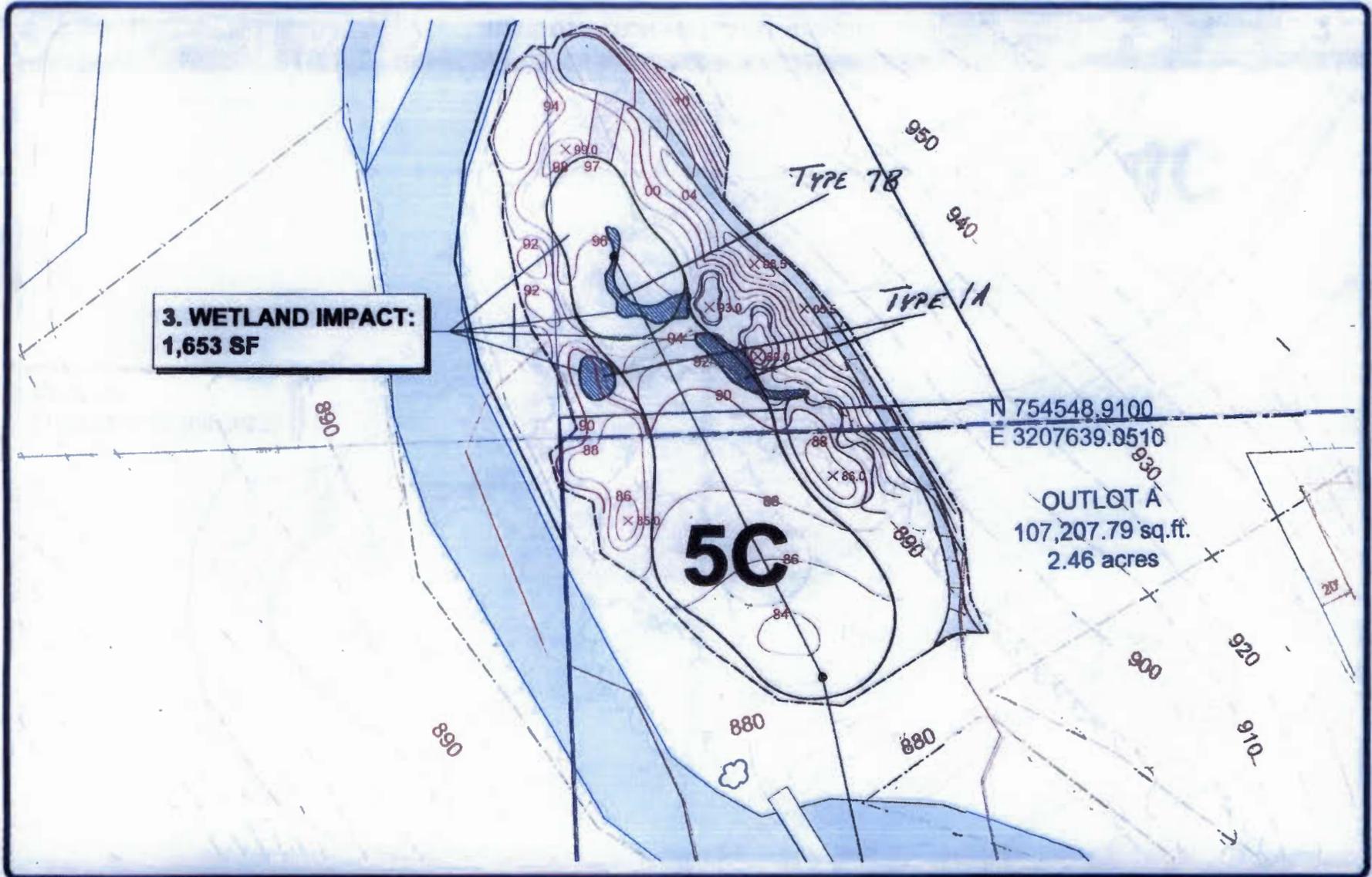


Wetland Impact Summary

- 1- Hole 6 River: 8,386 sf
- 2- Hole 4 Canyon: 1,810 sf
- 3- Hole 5 Canyon: 1,653 sf
- 4- Hole 3 Canyon: 1,210 sf
- Total Impact: 13,059 sf**

			PROJECT WETLAND IMPACT				1
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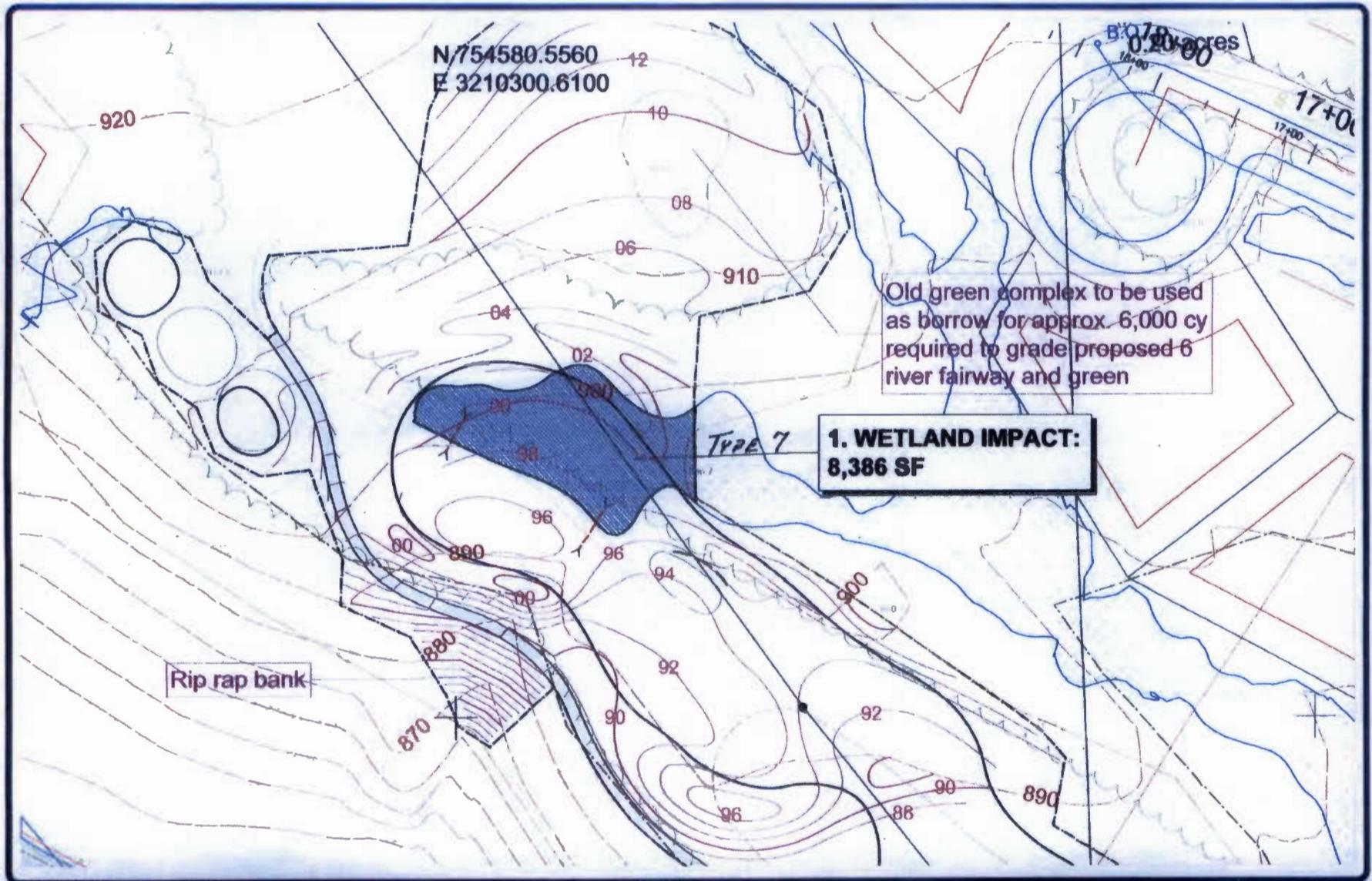
**3. WETLAND IMPACT:
1,653 SF**

N 754548.9100
E 3207639.0510

OUTLOT A
107,207.79 sq. ft.
2.46 acres

5C

<p><i>Wally M. Brown</i> Professional Engineer No. 12345 State of California</p>	<p>PROJECT DATE</p>	<p>SCALE DATE</p>	<p>HOLE 5 CANYON WETLAND IMPACT</p>			<p>3</p>
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<p>Scale 1" = 100'</p>	<p>PROJECT</p>	<p>HOLE 6 RIVER WETLAND IMPACT</p>	<p>1</p>
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