

## Project Location and Description:

In support of the FDEP's 2/11/16 *Emergency Final Order for Temporary Operational Changes to Address High Water Conditions in the South Florida Region*, the South Florida Water Management District (SFWMD) proposes to degrade approximately 250 feet of the existing S-327 weir, near the west side of the S-332D Detention Area. Please see Figure 1 for the location of the existing S-327 weir.

The Emergency Order authorizes the United States Army Corps of Engineers (USACE) and SFWMD to make temporary operational changes in order to implement operational criteria to compensate for sustained L-29 stages up to 8.5 feet NGVD29. Degrading approximately 250 feet of the existing S-327 weir will facilitate more efficient delivery of S-332D discharges to Taylor Slough and will reduce return seepage to the L-31N. The reduction in return seepage will help mitigate the effects of increased stages in L-29 and other measures intended to lower water levels in Water Conservation Area 3 (WCA3).

The degraded length of weir will provide conveyance for the full design discharge capacity of S-332D (575 cfs), while the existing 1.5 foot high berm located approximately 7,200 feet south of S-327 will maintain sufficient stages within the northern portion of the S-332D Detention Area to accommodate continued use of S-332DX1 for water deliveries north to the South Detention Area (SDA).

It should be noted that this work is already proposed as part of the C-111 South Dade Project recommended plan, and that this action will only accelerate the schedule for the work.

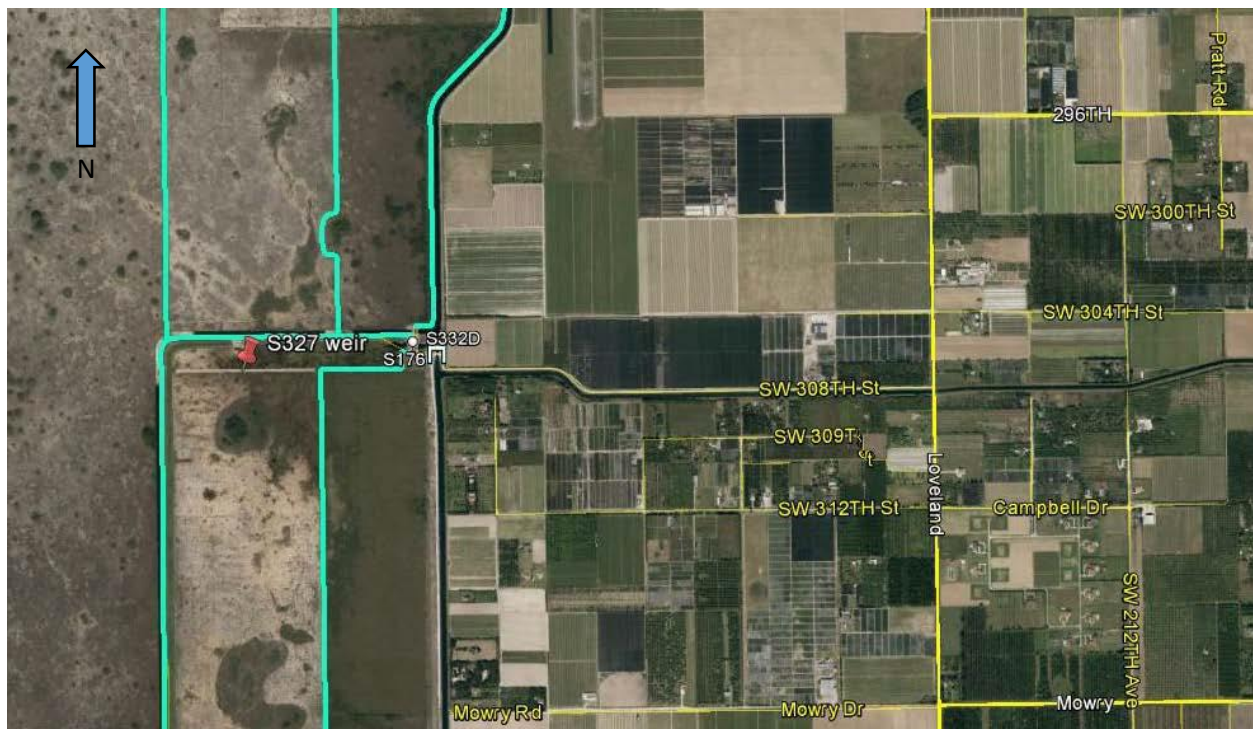


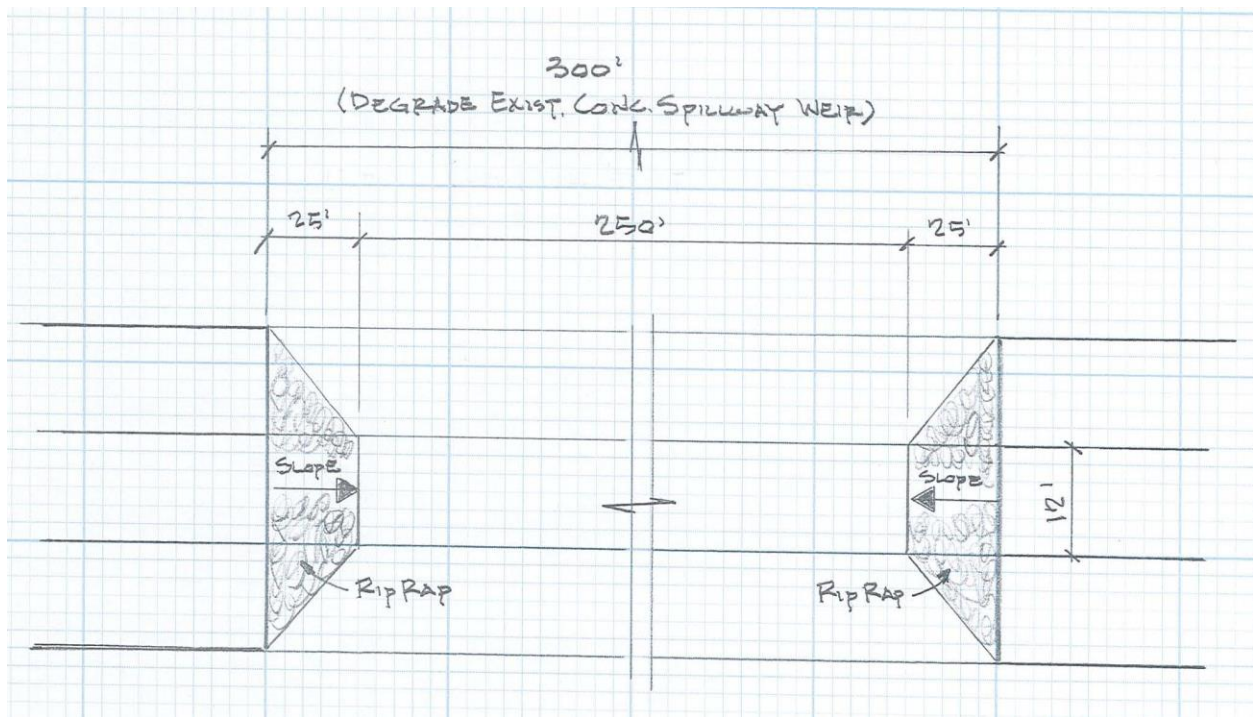
Figure 1 – Location of S-327

## Project Scope and Schedule:

S-327 is a 1,900-foot long discharge weir located along the southern levee of the S-332D Detention Area High Head Cell, opposite S-332D. Currently, when water depths in the High Head Cell reach approximately 2.5 feet, water overflows the weir and moves into Cell 1 of the S-332D Detention Area towards Taylor Slough. The SFWMD is proposing to degrade approximately 250 feet of the existing weir and its underlying berm near the west side of the S-332D Detention Area (see Figure 2). The degrading will include the removal of approximately 170 cubic yards of reinforced concrete, and the removal and stockpile of approximately 850 cubic yards of limestone fill. Following degrading, the elevation of the degraded portion will approximate the adjacent detention area bottom elevations. Rip rap will be installed along the exposed surfaces of the remaining berm to serve as a transition and to stabilize the adjacent portions of the remaining berm (see Figure 3). SFWMD standard specifications will be followed, and erosion control measures will be employed.



Figure 2 – Proposed Work Area



**Figure 3 – Proposed Degraded Weir Typical Cross-Section**