

ROUTE 5/ATHOL SPRINGS SHORELINE PROTECTION PROJECT

This project is being designed by the U. S. Army Corps of Engineers (providing 65% of funding for project), with the New York State Dept. of Transportation (NYSDOT) serving as the non-Federal sponsor (providing 35% funding share). The project is located along Lake Shore Road (NYS Route 5) in the Athol Springs portion of the Town of Hamburg, in the area between Hoak's Restaurant and the former Foit's Restaurant.

As shown in the following exhibits, the project is intended to protect an 860 feet long portion of an existing concrete seawall and the adjacent highway (which is a major traffic corridor between the southern suburbs and the City of Buffalo) from the intense and destructive wind and storm driven wave forces of Lake Erie. The major design features of this \$2.1 million project include an 860 feet long armor stone revetment extending into the lake, topped by a 15 feet wide splash apron over its entire length along the landward side of the seawall. In addition, the revetment will be extended an additional 270 feet at the southerly end in order to prevent continuing erosion due to portions of seawall that have fallen along the lake side of the former Foit's property. This project will serve to prevent the hazardous situations associated with lake water and debris being swept across the highway and thereby endangering motorists, pedestrians, and property, as often occurs during severe storm events. It will also protect the seawall from continued undermining and erosion caused by these conditions.

Amenities such as railings, benches, decorative lighting, planters, and landscaping are planned to be added along the splash apron, which will serve to provide additional benefits as a waterfront promenade for pedestrian use, scenic vistas, and passive relaxation during fair weather conditions.

The Corps of Engineers (COE) is currently in the design phase of this project, with plans and specifications approximately 75% complete. Real estate necessary for the project is in the process of being appraised by COE prior to the acquisition by NYSDOT. It is currently anticipated that the project will be bid and constructed during 2017.

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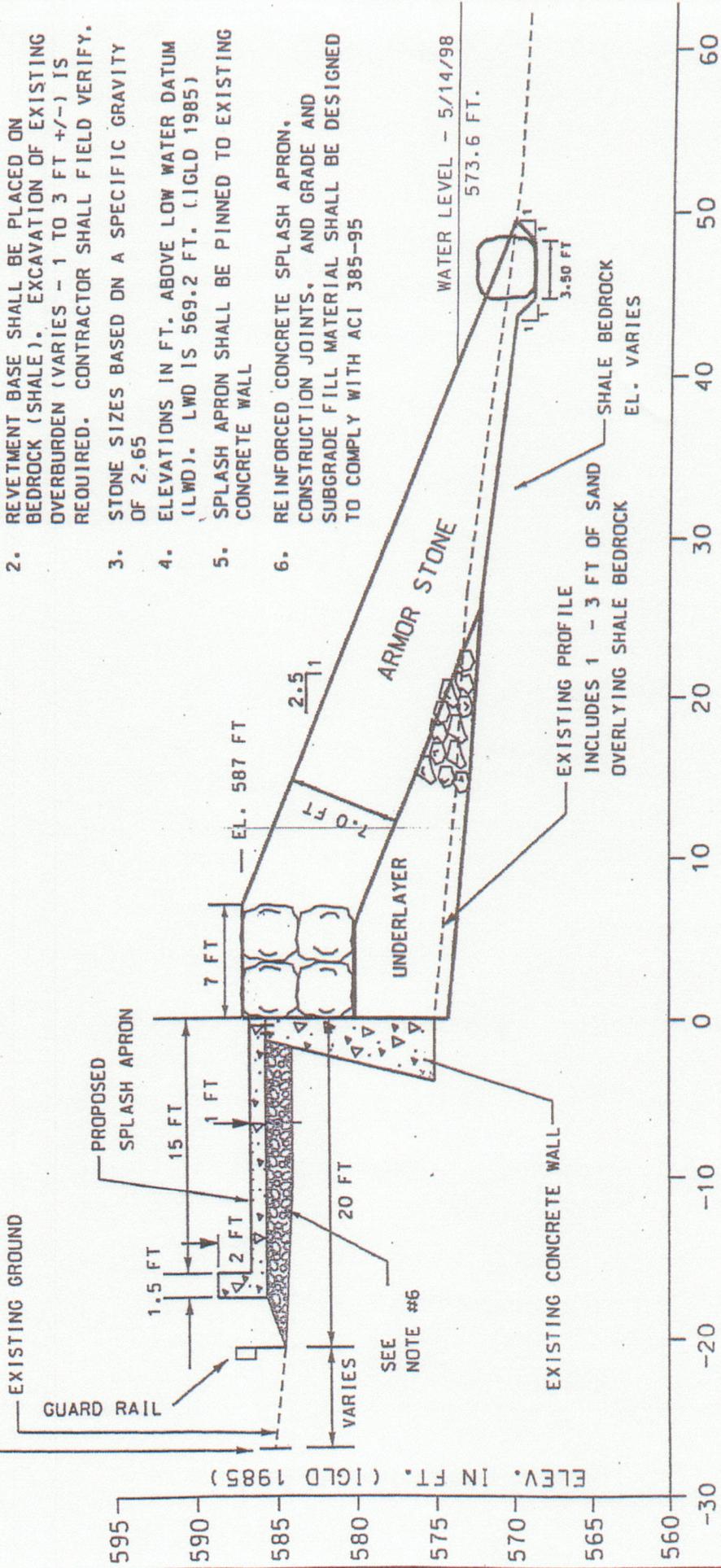


<p>Athol Springs Project Features</p>	<p>Athol Springs Shoreline Protection</p> <p>FIGURE</p>
 <p>US Army Corps of Engineers Buffalo District</p>	<p>Document Name: AtholSprings_Elevation_10.mxd Drawn By: h5iddwpc Date Saved: 20 Mar 2015 Time Saved: 8:35:00 AM</p>
 <p>Buffalo Athol Springs Lake Erie Toledo</p>	<p>3:\Branch\Folders\Design\New_York_Data\CAP_103_Athol_Springs_112406\MXD\AtholSprings_Elevation_10.mxd</p>

EDGE OF ROAD (@ WHITE LINE)

NOTES:

1. TOE STONE SHALL BE KEYED INTO THE SHALE BY 1/2 THE STONES DIA.
2. REVETMENT BASE SHALL BE PLACED ON BEDROCK (SHALE). EXCAVATION OF EXISTING OVERBURDEN (VARIES - 1 TO 3 FT +/-) IS REQUIRED. CONTRACTOR SHALL FIELD VERIFY.
3. STONE SIZES BASED ON A SPECIFIC GRAVITY OF 2.65
4. ELEVATIONS IN FT. ABOVE LOW WATER DATUM (LWD). LWD IS 569.2 FT. (IGLD 1985)
5. SPLASH APRON SHALL BE PINNED TO EXISTING CONCRETE WALL
6. REINFORCED CONCRETE SPLASH APRON, CONSTRUCTION JOINTS, AND GRADE AND SUBGRADE FILL MATERIAL SHALL BE DESIGNED TO COMPLY WITH ACI 385-95



DISTANCE IN FT FROM WALL

ATHOL SPRINGS, NY
TYPICAL CROSS-SECTION

US ARMY ENGINEER DISTRICT BUFFALO

ARMOR STONE AREA = 288 SF
 UNDERLAYER STONE AREA = 105 SF

QUANTITIES WILL VARY DEPENDING ON THE AMOUNT OF SAND OVERBURDEN

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