

TAMPA PORT AUTHORITY
ENGINEERING STANDARDS FOR
SUBMERGED LAND UTILITY CROSSING

I. GENERAL

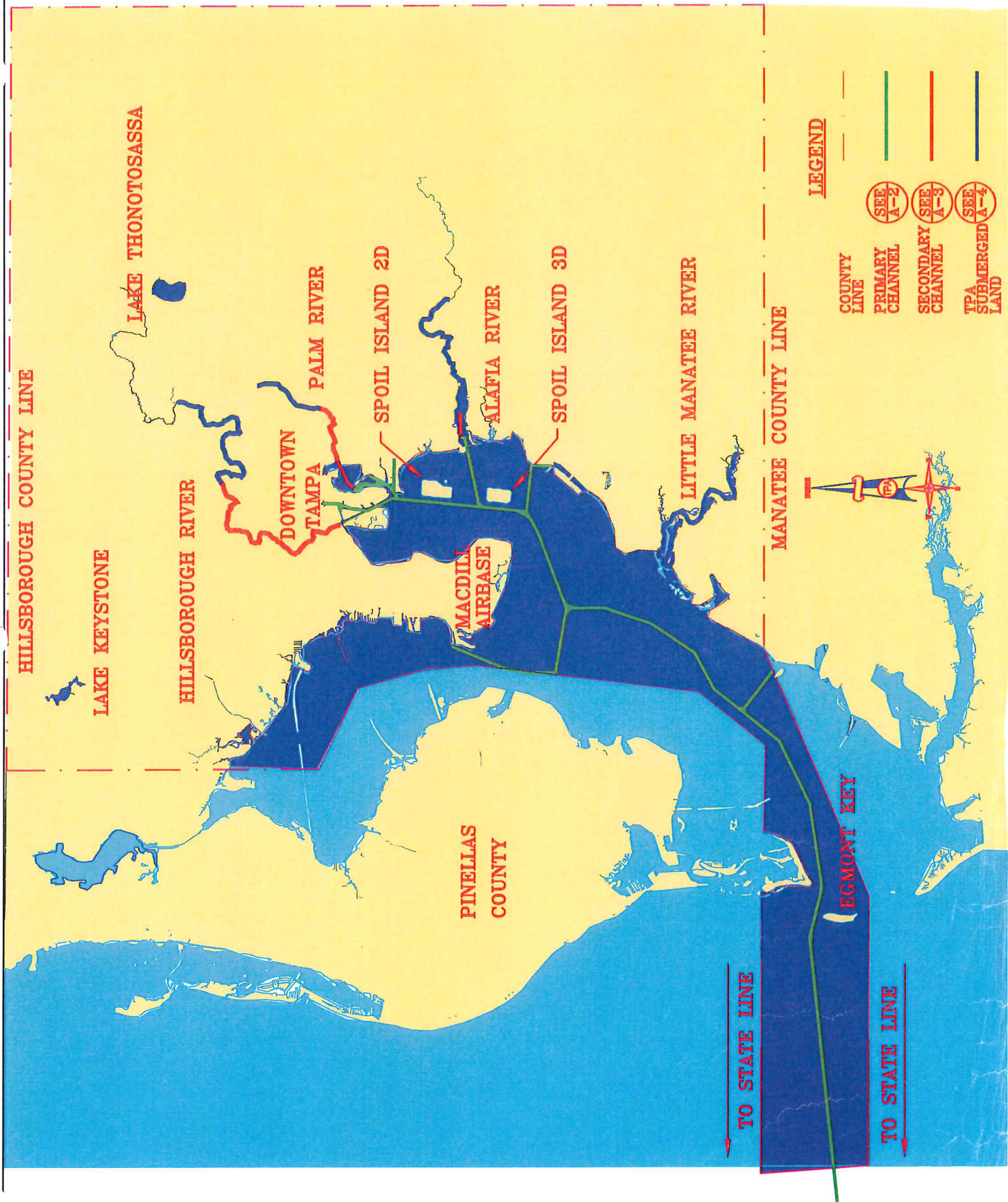
The intent and purpose of this document is to summarize and clarify the Engineering Standards for subaqueous utility crossings located within the jurisdictional boundaries of the Tampa Port Authority. These Standards are not intended to replace the requirements set forth in the "TAMPA PORT AUTHORITY SUBMERGED LANDS MANAGEMENT RULES" dated May 1, 1998, but are simply an addendum to.

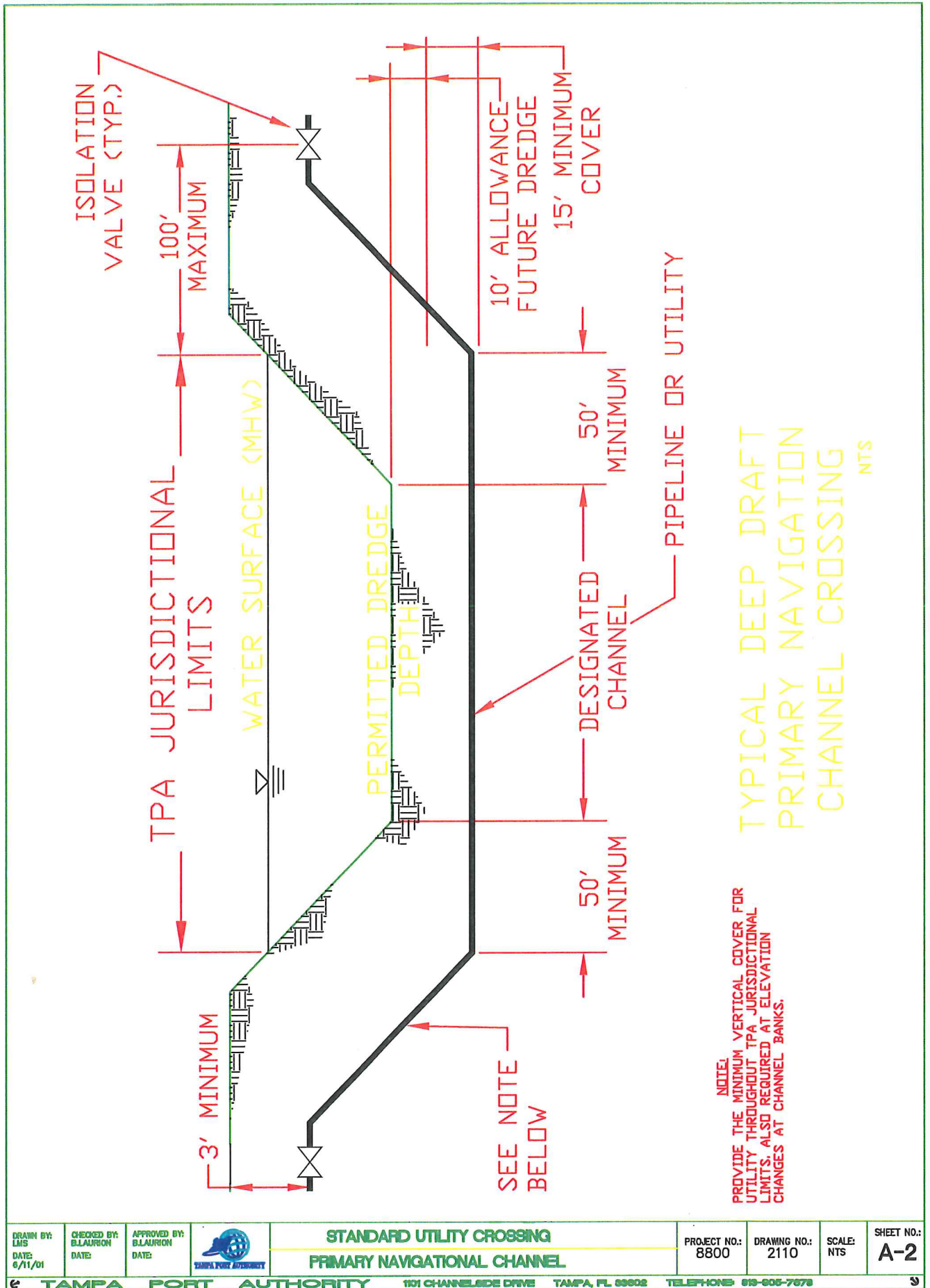
II. SUBMITTALS

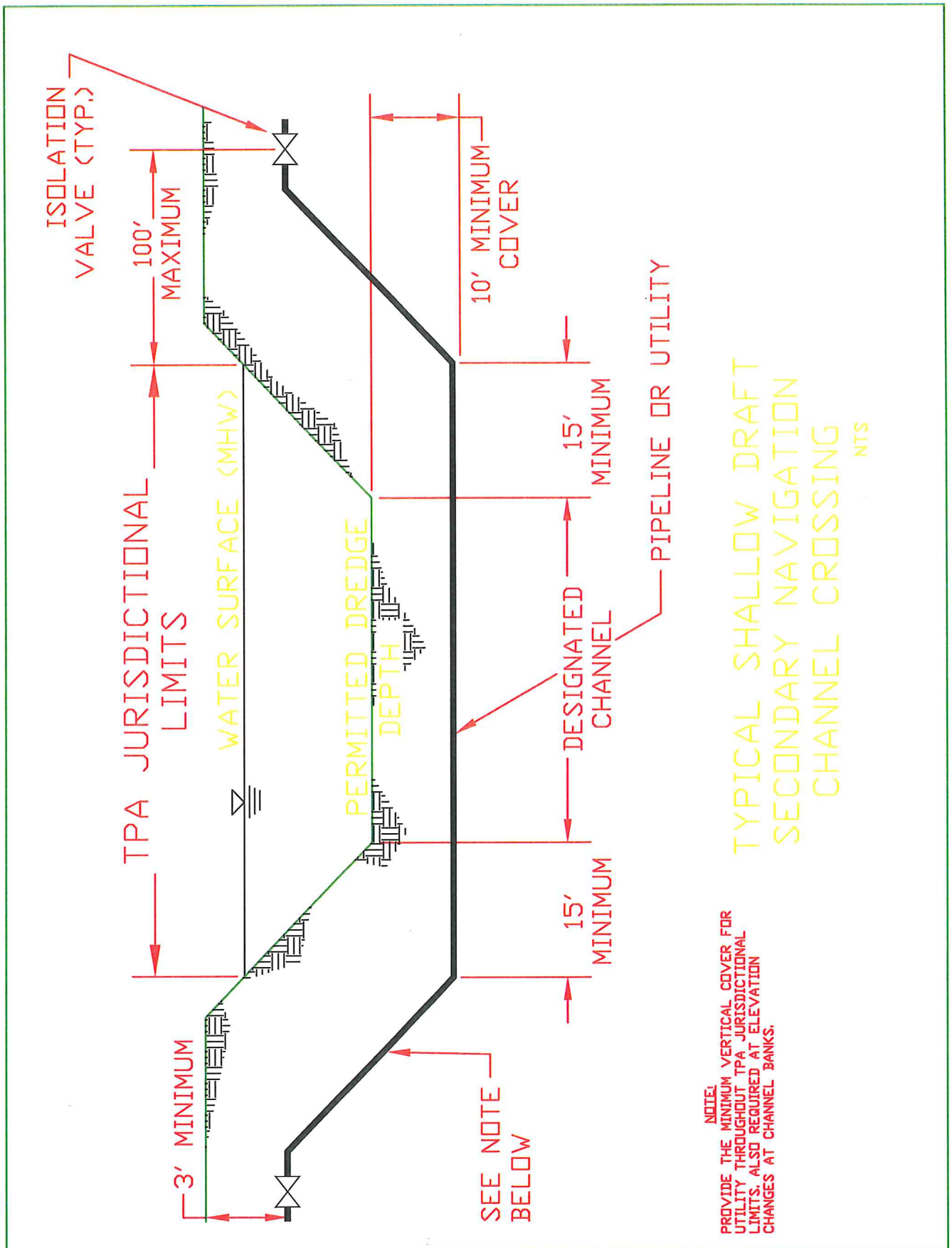
The applicant must adhere to all requirements regarding leases, easements, use agreements and management agreements as set forth in the above referenced document, in addition to all Engineering requirements. The following list is for Engineering review of the proposed utility crossing.

- Survey Drawings; Three 8 ½" X 11" prints of a field survey of the proposed easement area. If the original survey is larger than 8 ½" X 11" then also submit three copies of the original size drawing for ease of review. All copies must be dated, signed (original signatures) and sealed by a person licensed by the Florida Board of Professional Land Surveyors and must meet the minimum Technical Standards as outlined in Chapter 61G17, F.A.C. The following additional information must be included in the survey:
 - a) The boundaries of the parcel sought which must include all the Jurisdictional lands affected by the activity.
 - b) Show all proposed and existing structures, indicating dimensions within parcel.
 - c) The applicant's upland property lines and associated riparian rights lines. In non-tidal situations, the riparian lines should be projected from the intersection of the upland property boundaries with the Ordinary High Water Line. In tidal situations, the riparian lines should be projected from the intersection of the upland property boundaries with the Mean High Water Line.
 - d) Type of utility, its proposed location or width of easement and distances of proposed structures/ activity area to the projected riparian lines.
 - e) The linear footage of the applicant's shoreline which borders Sovereignty and or Jurisdictional Lands.
 - f) Structures (docks, piers, pilings, etc.), or other easements existing within 100 feet of the proposed easement area.
 - g) A legal description of the easement area which references the section, township, range, county and name of affected waterbody and includes the total square footage of the parcel sought.

- **Engineering Drawings;** Three 8 ½" X 11" prints of the proposed utility crossing. If the original design is larger than 8 ½" X 11" then also submit three copies of the original drawing for ease of review. All copies must be dated, signed (original signatures) and sealed by a person licensed by the Florida Board of Professional Engineers as outlined in Chapter 471, F.S. The following additional information must be included in the design drawings:
 - a) Plan of the proposed site showing the location of all existing utilities or other easements in the vicinity and the location of the proposed utility.
 - b) Location of all isolation valves and or switches for the proposed utility. Note: isolation valves are required within 100 feet of the M.H.W. or O.H.W Lines.
 - c) Cross section and profile section of the proposed utility must show burial depth relative to elevation of submerged lands, and offsets.
 - d) Crossings shall be classified into one of three categories; Primary Navigation Channel, Secondary Navigation Channel and Submerged Land/Private Channel. The minimum burial depth required for each of these classifications shall be as per Attachment "A". Any questions concerning burial depth should be referred to the Port's Environmental Manager.
- **Emergency Contact;** Provide the name, phone numbers (day and night) and physical addresses of person who is to be contacted in the event of an emergency (i.e. pipeline leak, or oil spill, etc.).
- **Estimated Cost;** Provide an estimated cost for construction of the utility crossing.
- **Upon Completion;**
 - a) **RECORDATION OF EASEMENTS:** Grantee, at its own expense, shall promptly record this fully executed easement and a map of the Property in the public records of Hillsborough County, Florida and promptly provide to Grantor a copy of the recorded easement in its entirety which contains the official records book and pages at which the easement is recorded. The map of the Property must be tied to the "Florida Coordinate System" in accordance with Ch. 177, *Fla. Stat.*
 - b) **DELIVERY OF DRAWINGS:** Grantee shall provide Grantor with as-built drawings, certified by a Professional Engineer registered in the State of Florida, within thirty (30) days after construction completion. The as-built drawings must be tied to the recorded map of the Property and easement.







NOTE:
 PROVIDE THE MINIMUM VERTICAL COVER FOR
 UTILITY THROUGHOUT TPA JURISDICTIONAL
 LIMITS. ALSO REQUIRED AT ELEVATION
 CHANGES AT CHANNEL BANKS.

