



Draft Environmental Assessment

Canaveral Port Authority

Port Wide Interoperable Communications

Infrastructure Project

Cape Canaveral, Brevard County, Florida

Port Security Grant Program

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Acronyms and Abbreviations

ACHP	Advisory Council on Historic Preservation
APE	Area of Potential Effect
AQR	Air Quality Regions
BMP	Best Management Practices
CAA	Clean Air Act
CCTV	Closed Caption Television
CEQ	Council on Environmental Quality
CFR	Code of Federal Regulations
CPA	Canaveral Port Authority
CWA	Clean Water Act
CZMA	Coastal Zone Management Act
DC&A	Dial Cordy & Associates, Inc.
DEP	Department of Environmental Protection
DHS	Department of Homeland Security
EA	Environmental Assessment
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency
ERP	Environmental Resource Permit
ESA	Endangered Species Act
FAC	Florida Administrative Code
FCC	Federal Communications Commission
FCMP	Florida Coastal Management Program
FDEP	Florida Department of Environmental Protection
FEMA	Federal Emergency Management Agency
FONSI	Finding of No Significant Impact
FS	Florida Statute
ft	feet or foot
IJ	Investment Justification
IMOC	Inter-Agency Maritime Operations Center
NEPA	National Environmental Policy Act
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources and Conservation Service
NWI	National Wetlands Inventory
PSGP	Port Security Grant Program
SHPO	State Historic Preservation Officer

ACRONYMS AND ABBREVIATIONS (CONT'D)

T&E	Threatened and Endangered Species
THPO	Tribal Historic Preservation Officer
TWIC	Transportation Worker Identification Credential
UF	University of Florida
USC	United States Constitution
USDA	United States Department of Agriculture
USDOT	United States Department of Transportation
USFWS	United States Fish and Wildlife Service

1. Introduction

The Canaveral Port Authority (CPA) was awarded grant funds (2010-PU-T0-K016-IJ) from the Port Security Grant Program (PSGP), administered by the Federal Emergency Management Agency (FEMA) of the US Department of Homeland Security (DHS). The Port Security Grant Program is one of over 20 grant programs authorized by Congress and administered by FEMA to help strengthen the nation against risks from potential terrorist attacks. The Florida Division of Emergency Management administers the PSGP process in Florida.

This Draft “Environmental Assessment” (EA) was prepared per the National Environmental Policy Act (NEPA) of 1969, the President’s Council on Environmental Quality regulations implementing NEPA (40 Code of Federal Regulations [CFR] Parts 1500-1508), and FEMA regulations implementing NEPA (44 CFR Part 10). FEMA must consider potential environmental impacts before funding or approving actions and projects. This Draft EA’s purpose is to analyze potential environmental impacts of the “Proposed Action”, “Alternative Action”, and “No Action” project alternatives on the physical, biological, built, and socioeconomic environments. FEMA will also use this Draft EA’s findings to determine whether to prepare an “Environmental Impact Statement” (EIS) or a “Finding of No Significant Impact” (FONSI).

2. Purpose and Need

The Proposed Action’s purpose is to:

1. Upgrade CPA communications system (towers, equipment, cables, etc.) for multi-media communications throughout Port Canaveral (a nationally important “Critical Facility”) and with Port Canaveral’s stakeholders locally, state regionally, statewide, and nationally
2. Comply with National Infrastructure Protection Plan recommendations
3. Enhance maritime domain (covers about 10 square miles) awareness by upgrading Port Canaveral communications technology to comply with emerging technology, per the National Plan to Achieve Maritime Domain Awareness
4. Implement planned Transportation Worker Identification Credential (TWIC) readers

The CPA Police Department is the designated security agency for Port jurisdiction, and is responsible for ensuring the Port’s maritime security. CPA maintains open communications in case aid needed for homeland security maritime events. The CPA Police Department works with the US Coast Guard to comply with the Maritime Transportation Security Act (33 CFR Part 105), and with the Florida Department of Law Enforcement to comply with the Florida Seaport Security Act (Chapter 311.12 FS). Port Canaveral also provides technical and operations support for the Regional Domestic Security Task Force (Florida Region 5), who provide Florida-regional homeland security through coordination with nine Central Florida counties.

Under the federal Port Security Program, the CPA Police Department works closely with the US Department of Homeland Security’s Customs and Border Protection (CBP) and Immigration and Customs Enforcement (ICE). The CPA Police Department also works with the US Navy Port

Security Division at the Naval Ordnance Testing Unit at Cape Canaveral Air Force Station, FL; US Air Force 45th Space Wing Security Police at Patrick Air Force Base, FL; and Kennedy Space Center Security at the Kennedy Space Center, Florida.

The proposed communications system upgrade is needed, as the current system cannot support the upgrades required at Port Canaveral (nationally important Critical facility) for closed caption television (CCTV), networking, waterfront surveillance and monitoring, Automated Identification System, access control, and TWIC systems. The new and upgraded security systems would fail without fiber optic/microwave infrastructure needed for these applications. Additionally, security operations would be limited to patrol and lockdown of the Port facilities without the proposed communications system upgrade. As such, cargo and cruise ship movement would not occur, which would significantly and adversely impact the US Navy Trident submarine facilities; Hansen Slag Cement, Morton Salt International; and Disney, Royal Caribbean, Norwegian, and Carnival cruise lines (CPA, 2010).

3. Alternatives

This Draft EA considered three project alternatives:

- No Action
- Proposed Action – Install one communications tower (Tower 2 [north]) and six antennas
- Alternative Action – Install two communications towers (Tower 1 [south] and Tower 2 [north]) and six antennas

3.1 No Action

Under the No Action, CPA would continue to provide communications using the current communications system. Communications connectivity is currently enabled through a patchwork of fiber optics, microwave, and wireless systems, which is connected to a primary microwave relay point stationed atop a CEMEX[®] Silo. The relay point provides network redundancy in case the Port's fiber optic system is compromised. The CEMEX[®] Silo is an aging structure with limited accessibility due to building codes and life safety concerns. Also, the current communication system cannot handle emerging technologies required to provide clear communications lines for daily operations, emergencies, and disaster recovery efforts.

3.2 Proposed Action

The Proposed Action is primarily to build a self-supporting lattice communication tower to support the Port Wide Interoperable Communications Infrastructure Project. The tower (Tower 2) is on the northwest side of the Inter-Agency Maritime Operations Center (IMOC) and next to the first response/fire station at 9290 Grouper Road, Cape Canaveral (Appendix A).

The Proposed Action involves constructing a 160 foot (ft) self-supporting lattice tower for communication system upgrades required for reliable transfer of sensitive and classified voice, data, video and multi-media communications throughout Port Canaveral, and among its stakeholders (local to national levels), for daily operations, emergencies, and disaster recovery efforts. Construction would require ground disturbance of an area about 17 ft long, 17 ft wide,

and 4 ft deep for a poured concrete pad for the 160 ft self-supporting lattice tower. The tower site is inside an existing fenced area. Power would be supplied by the adjacent first response/fire station and/or IMOC.

This Proposed Action also includes installing six low profile antennas to support the Port Wide Interoperable Communication Project. These antennas would be mounted in six locations in the Port's northwest corner (i.e., two parking garages and four terminal roofs [Appendix B]). Each antenna would either be wall mounted or pole mounted extending three to seven feet beyond roof height. The 1.0 ft diameter antennas and mounting brackets extend about 1.23 ft from the mounting poles. See Appendix B for more detailed antenna specifications.

The antenna installations are not expected to notably impact environmental resources, due to the antennas and mounting devices' small size and minimal extension above existing roof structures. The wall mount is the preferred type of installation; however this depends upon visibility of adjacent antenna, roof height, and availability for mounting bracket on roof structure. Construction is expected to take less than 60 days total.

3.3 Alternative Action

The Alternative Action is primarily to build two self-supporting lattice communication towers to support the Port Wide Interoperable Communications Infrastructure Project. Tower 1 (south) site is located on the southeast side of the Maritime Center at 445 Challenger Road in Cape Canaveral (Appendix C); Tower 2 (north) site is located on the northwest side of the IMOC and at the same location as described in the Proposed Action Alternative (Appendix A). The Alternative Action would involve constructing a 160 ft self-supporting lattice tower at each of the two sites to support communications system upgrades required for reliable transfer of sensitive and classified voice, data, video, and multi-media communications throughout Port Canaveral, and among its stakeholders (local to national levels), for daily operations, emergencies, and disaster recovery efforts. Constructing each tower would require ground disturbance of an area about 17 ft long by 17 ft wide by 4 ft deep.

The Alternative Action also includes installing six low profile antennas to support the Port Wide Interoperable Communication Project. These antennas would be mounted in six locations in the Port's northwest corner (i.e., two parking garages and four terminal roofs [Appendix B]). Each antenna would either be wall mounted or pole mounted extending three to seven feet beyond roof height. The 1.0 ft diameter antennas and mounting brackets extend about 1.23 ft from the mounting poles. Refer to Appendix B for detailed specifications of low profile antennas.

The antenna installations are not expected to notably impact environmental resources, due to the antennas and small mounting devices' small size and minimal extension above existing roof structures. The wall mount is the preferred type of installation; however this depends upon visibility of adjacent antenna, roof height and availability for mounting bracket on roof structure. Construction is expected to take less than 60 days total.

Tower 1 was originally proposed to provide a primary microwave relay point on the Port's south side. However, this relay point is no longer needed since other microwave locations have been established on the Port's south side, which provides communications triangulation for

communications system redundancy. The Alternative Action was therefore dismissed and was not further considered since Tower 1 is not needed.

The Proposed Action was chosen over this Alternative Action since the Proposed Action only includes the installation of one Tower 2 and six low profile antennas; thus reducing project construction costs and long-term operations and maintenance costs.

4. Affected Environment and Potential Impacts

The Tower 2 project site is located on the northwest side of the IMOC and next to the first response/fire station near the intersection of Samuel C Philips Parkway and Grouper Road (Appendix A). This site is in a fenced enclosure on ground recently disturbed by construction of the first response/fire station and IMOC. The nearest waterbody is the Banana River, on the north side of Samuel C Philips Parkway. Tower 2 site vegetation cover is minimal, limited to grasses, and would be maintained by mowing.

The following sections provide a description of environmental resources and potential direct, indirect and cumulative impacts associated with those resources by the implementation of the No Action and Proposed Action alternatives.

4.1. Physical Resources

This section describes the physical resources (i.e., geology, soils, and air) in the Port Canaveral project sites, and in the surrounding project area, which may be affected by the project alternatives.

4.1.1. Geology and Soils

The Proposed Action Tower 2 site soils are mostly Canaveral-Anclote soil complex, about 40% Canaveral-Urban land complex, and less than 1% Quartzipsamments complex. The predominant soil complex (Anclote Series) is described as very poorly drained sandy soil, nearly level, with some undulating features (USDA and UF, 1974). No Prime or other important farmlands were identified at the Tower 2 site (Appendix D; NRCS Soil Survey, January 13, 2010).

Under the Proposed Action, tower installation would have minor direct adverse effects on soils associated with equipment disturbance, drilling or excavation of footings, and installing about 43 cubic yards of concrete pad at the Tower 2 site. However, ground disturbance activities would be limited to the Tower 2 site and would occur on recently disturbed soils from the newly constructed IMOC in 2011 and first response/fire station in summer/fall 2012.

No noteworthy direct, indirect, or cumulative impacts on physical resources would be expected under the No Action alternative, as existing conditions would not change.

4.1.2. Air Quality

The Clean Air Act (CAA) of 1970 (42 U.S.C. § 7401 *et seq.*) is to reduce air pollution nationwide. Per the CAA, the Environmental Protection Agency (EPA) developed primary and secondary National Ambient Air Quality Standards (NAAQS). The EPA classifies Air Quality Regions (AQR) depending on whether the region meets, or exceeds the primary or secondary NAAQS. The Florida Department of Environmental Protection (DEP) Division of Air Resource

Management administers Florida's air construction permitting program per the State Implementation Plan (EPA approved in 1983). An air construction permit is required before starting project construction unless the activity is exempt (Florida Administrative Code [FAC] Chapter 62-4). Exempt activities include actions that do not change air quality conditions.

The Proposed Action would have normal minor, short-term adverse effects on air quality with exhaust emissions from construction equipment and dust from grading. Construction equipment would meet local, state, and federal air emission requirements; dust would be controlled as needed by wetting work area surfaces. There would be no significant impacts on air quality from long-term operations and maintenance.

No noteworthy direct, indirect, or cumulative impacts on air quality would be expected under the No Action alternative, as existing conditions would not change.

4.2. Water Resources

This section describes the water resources in and around Port Canaveral that may be affected by the project alternatives. Water resources include water quality, wetlands, and floodplains at and around the Proposed Action Tower 2 site.

4.2.1. Water Quality

The Clean Water Act (CWA) of 1972 (33 U.S.C. § 1251 *et seq.*) is to restore and maintain the chemical, physical, and biological integrity of "waters of the United States". The National Pollutant Discharge Elimination System (NPDES) was established under the CWA, to regulate wastewater and discharge from "point sources". NPDES regulations require a permit for construction sites that disturb more than one acre of land. The EPA authorized FL DEP to implement the NPDES stormwater water permitting program in the state of Florida.

The nearest water feature to the Tower 2 site is about 470 ft south of the approximate mean high water line of the Banana River, an estuarine waterway. Aerial photographs (Appendix A; University of Florida Digital Collections, Flight 2C, 1943) show that part of the Tower 2 site was formerly submerged land, subsequently filled. The Tower 2 site is at the former location of the Sailors Choice Restaurant, which was demolished and rebuilt as the Inter-Agency Maritime Operations Center (IMOC) in 2011. A first response/fire station was built in the summer/fall of 2012 next to the Tower 2 site. This first response/fire station was reviewed separately under an existing FEMA Programmatic EA.

Indirect and/or cumulative effects on the Banana River could occur from runoff and sedimentation entering the river via storm drains during Tower 2 construction. Use of Best Management Practices (BMPs) (e.g., silt fence, hay bales, seeding, sodding, etc.) during and after construction would greatly reduce these potential effects.

No noteworthy direct, indirect and/or cumulative effects on water quality would be anticipated from the No Action alternative, as existing conditions would not change.

4.2.2. Wetlands

The US Fish and Wildlife Service's (USFWS) National Wetlands Inventory (NWI) map (Appendix E) does not show any wetlands besides those waterbodies indicated in Section 4.2.1 above.

No noteworthy direct, indirect and/or cumulative effects on wetlands would be expected from either the Proposed Action or No Action alternatives, since there are no wetland habitat at the Proposed Action project site or surrounding area.

4.2.3. Floodplains

The FEMA Flood Insurance Rate Map (Appendix E; Panel 331 of 727) confirms the Tower 2 site is located in Zone X (unshaded). FEMA defines Zone X as an area determined to be outside of the 500-year floodplain (FEMA 2012).

No direct and/or indirect effects on the floodplain are expected from the Proposed Action. Constructing the concrete pads would involve about 43 cubic yards of concrete pad in Zone X at the Tower 2 site. The small amount of filling, location of the Proposed Action site outside the 500-year floodplain, and the site's high soil permeability suggest the Proposed Action would not adversely affect site flood conditions or surrounding floodplains.

No noteworthy direct, indirect, or cumulative effects on floodplains are expected under the No Action alternative, as existing conditions would not change.

4.3. Coastal Resources

Port Canaveral is located on Florida's east coast, in Brevard County, north of Cape Canaveral, and about nine miles north of Cocoa Beach, Florida (Appendix A). The Port is primarily orientated in an east-west direction, extending from the Atlantic Ocean to the Banana River. North of the Port are the Banana River, Cape Canaveral Air Force Station, and Merritt Island National Wildlife Refuge. South of the Port is the City of Cape Canaveral. The harbor has three turning basins, from east to west: the Trident Turning Basin, Middle Turning Basin, and West Turning Basin. The basins are connected by a main channel, with east and west access channels, which form the southern boundary of each basin. Within the main channel, a federally maintained Barge Canal extends from the south side of the middle turning basin, through the Banana River, across Merritt Island, and connects with the Intracoastal Waterway and the Indian River (DC&A, 2007). Where the Barge Canal enters the Banana River, a 600-ft long Corps of Engineers' Lock (Canaveral Lock) separates the tidal harbor from the predominantly non-tidal river (DC&A, 2007).

Minor cumulative effects from sedimentation and runoff into the Banana River could occur from the Proposed Action Tower Site 2 construction without adequate BMPs; as well as from past and present land clearing and development activities at the IMOC and first response/first station site. Sedimentation and decreased water quality conditions could adversely affect seagrass beds and foraging habitats for juvenile fish and other organisms that use the Banana River's estuarine habitat, if BMPs are not implemented during construction.

No noteworthy direct, indirect and/or cumulative effects to coastal resources are anticipated under the No Action Alternative, as existing conditions would not change.

4.3.1. Coastal Zone Management Act

The Coastal Zone Management Act (CZMA) of 1972 (16 USC Section 1451 *et seq.*) provides assistance to states, in cooperation with federal and local agencies, for developing coastal zone land and water use programs. FEMA-funded action in Cape Canaveral by FEMA is a direct federal activity under CZMA Section 307 (15 CFR part 930, Subpart C), which requires federal consistency review to determine if the activity is likely to affect water or natural resources in the state's coastal zone area. Thus, the federal action must be implemented in accordance with the state's federally approved Coastal Zone Management Program.

Florida's Coastal Zone Management Program (FCMP) goal is to "promote the effective protection and use of the land and water resources of the coastal zone" (FDEP 2012). In accordance with CZMA and FCMP, the Florida Department of Environmental Protection (FDEP) included a consistency review under the project review and issuance of Environmental Resource Permit (ERP) Modification No. ERP-05-0299121-002-EM on October 20, 2011 for the first response/fire station, which includes activities described under the Proposed Action (Appendix F). FDEP's permit issuance included a finding of consistency with FCMP and CZMA.

4.4. Biological Resources

This section describes the biological resources in and around Port Canaveral that may be impacted by the implementation of the project alternatives. Biological resources include federal and state listed threatened and endangered species, federally designated critical habitat, migratory birds, and other fish and wildlife.

4.4.1. Threatened and Endangered Species and Critical Habitat

The federal Endangered Species Act (ESA) of 1973 (7 U.S.C. § 136, 16 U.S.C. § 1531 *et seq.*), the State of Florida Rules 39-27.004 and 39 27.005, and FAC Chapter 5C-4 (animals) and Chapter 5B-40 FAC (plants) direct federal and state agencies to protect and conserve listed threatened and endangered species (T&E) animals and plants. There are currently three federally listed species that may occur in Port Canaveral: the eastern indigo snake (*Drymarchon corais couperi*), Florida scrub jay (*Aphelocoma coerulescens*), and southeastern beach mouse (*Peromyscus polionotus niveiventris*) (DC&A, 2006).

In 1976, Florida enacted its State ESA, administered by the Florida Fish and Wildlife Conservation Commission per FS Chapter 68A-27. There is currently one state-listed species the gopher tortoise (*Gopherus polyphemus*), not federally-listed, that may also occur in Port Canaveral (DC&A, 2006).

FEMA initiated informal consultation with the US Fish and Wildlife Service (USFWS) on December 19, 2011, requesting a "Finding of Not Likely to Adversely Affect". USFWS concurred with the determination (Appendix G), which fulfilled federal ESA requirements.

Direct effects to transitory biological resources could occur from Proposed Action construction activities. Impacts are anticipated to be minor as the Tower 2 project site is located in a developed area of the Port where wildlife habitat is minimal. Furthermore, transitory wildlife can avoid construction activities by using nearby, undisturbed lands.

The Proposed Action could have negligible to minor adverse cumulative effects on biological resources on the Tower 2 site. Tower installation may reduce habitat use by biological resources, due to obstructions from the concrete pad and self-supporting lattice communication tower. The Florida scrub jay could be affected from flight path interference and obstruction. However, the proposed tower location is not a unique habitat or landform, and does not differ significantly from adjacent areas. Adjacent areas could replace any lost habitat used by biological resources.

No direct or indirect impacts on biological resources are anticipated under the No Action alternative, as existing conditions would not change.

4.4.2. Migratory Birds

The Migratory Bird Treaty Act of 1918 (16 USC 703-712; Chapter 128; July 13, 1918; 40 Statute 755) as amended, is a federal law that prohibits

“hunting, taking, capture, killing, possession, sale, purchase, shipment, transportation, carriage, or export of any...bird, or any part, nest or egg”
(USFWS, 2012).

USFWS is responsible for migratory bird species under the Migratory Bird Treaty Act. In 2007, the bald eagle (*Haliaeetus leucocephalus*) was delisted in Florida; however, this species is still protected under the Migratory Bird Treaty Act and may occur at and near the Port Canaveral project sites. In addition, warblers and sparrows protected under the Migratory Bird Treaty Act typically roost in forested areas along the coast and may occur within Port Canaveral (DC&A, 2006b).

No noteworthy direct, indirect and/or cumulative effects to the bald eagle are anticipated from installing the 160 ft self-supporting lattice tower as no bald eagle sightings have been recorded at Port Canaveral for 27 years (T. Foxhoven, pers. obs., 2012). The 160 ft self-supporting lattice communication tower does not provide a major obstacle to potential migratory flight paths. Furthermore, the Merritt Island National Wildlife Refuge provides migratory bird habitat, and would be preferred habitat for the bald eagle as compared to the Project Area.

No noteworthy direct, indirect and/or cumulative effects to migratory birds would occur under the No Action Alternative, as current conditions would not change.

4.4.3. Fish and Wildlife

The Tower 2 site is within a developed area of Port Canaveral. Vegetative communities near the Tower 2 site include herbaceous and shrub rangeland. These communities usually contain sedges, rushes, natal grasses, clovers, wire grass and switchgrass (DC&A, 2006b). Wildlife reported within Port Canaveral includes raccoons (*Procyon lotor*), domesticated and feral cats (*Felis catus*), and common house mice (*Mus musculus*) (DC&A, 2006b).

No noteworthy direct, indirect and/or cumulative effects are anticipated for fish and wildlife under the Proposed Action as the Tower 2 project site is within a developed, fenced in area with limited wildlife.

No direct, indirect and/or cumulative effects area anticipated for fish and wildlife under the No Action alternative, as existing conditions would not change.

4.5. Cultural Resources

Section 106 of the National Historic Preservation Act (NHPA) of 1966 (Public Law 89-665; 16 U.S.C. 470 *et seq.*) requires federal agencies to consider the effects of their actions (also called “undertakings”) on historic properties, and to provide state historic preservation officers, tribal historic preservation officers, and the Advisory Council on Historic Preservation (ACHP) as needed, a reasonable opportunity to review and comment on these proposed actions. The next sections below describe the cultural resources considered for this assessment.

4.5.1. Historic Properties

No historic properties listed in the National Register, or identified as eligible for listing in the records of the Florida State Historic Preservation Office are located within the ½ mile visual area of potential effect (APE) of the Proposed Action Alternative. See Appendix G, letters dated November 22, 2010 from Florida Archeological Consulting, Inc. As a result of their distance from the project site, Proposed Action activities would not impact historic properties, and are therefore removed from further analysis.

NHPA Section 106 filing with the Federal Communications Commission (FCC) was sent on December 2, 2010. The notification was sent to the Florida Division of Historical Resources, State Historic Preservation Officer (SHPO). A response from the FCC was delivered on December 21, 2010. The FCC determined that there were no direct or visual effects on historic properties within the visual APE (Appendix G).

No direct, indirect and/or cumulative effects would occur under the No Action Alternative as no changes to the current conditions would occur.

4.5.2. American Indian/ Religious Sites

Three federally recognized Indian Tribes were identified that may attach religious and/or cultural significance to historic properties located within the Proposed Action APE and Alternative Action APE. NHPA Section 106 filing with the Miccosukee Trine of Indians of Florida, the Seminole Nation of Oklahoma and the Seminole Tribe of Florida was sent on November 24, 2010. Only one reply was received. The Miccosukee Tribe of Indians of Florida reviewed the Section 106 filing and determined “that there is no cultural, historical, or religious side of the Tribe” at the Project Site (Appendix G). As a result these resources were excluded for further analysis.

No direct, indirect and/or cumulative effects on American Indian/Religious sites would occur under the No Action alternative, as current conditions would not change.

4.5.3. Incidental Discovery Requirements/Conditions

If any archeological artifacts or human remains are found during project activities, all work in the affected area will immediately stop; CPA will notify FEMA, SHPO, and applicable Tribal Historic Preservation Officers (THPOs) within 24 hours; and work in the affected area may resume after all concerned parties have completed any additional actions required to fully comply with NHPA Section 106 and any related requirements.

4.6. Socioeconomic Concerns

This section describes socioeconomic concerns the Proposed Action may impact. Socioeconomic concerns include environmental justice, noise, traffic, public service and utilities, and public health and safety.

4.6.1. Environmental Justice

Presidential Executive Order 12898 (Federal Actions to Address Environmental Justice in Minority Populations and Low Income Populations) requires federal agencies to identify and address disproportionately high and adverse human health or environmental effects of their programs and policies on minorities and low income populations. The Proposed Action (Tower 2) site is not in or near any low-income or minority areas. Thus, the Proposed Action would not have any disproportionately high and adverse impacts on any minority or low income populations.

No direct, indirect and/or cumulative effects would occur under the No Action Alternative, as current conditions would not change.

4.6.2. Noise

Project construction would generate typical construction noises from various sources including: heavy equipment, compressors, construction personnel, and traffic. Construction equipment would include, among others:

- Trucks
- Backhoe
- Air compressors
- Crane
- Grader
- Excavator
- Generators

The equipment above is designated as “no noise impact equipment” in Construction Noise Handbook (USDOT 2006) Chapter 9. Thus, noise considerations were excluded for further analysis. Noise levels associated with the Proposed Action would not have any noteworthy direct, indirect or cumulative impact on port activities or biological resources.

No direct, indirect and/or cumulative impacts would occur under the No Action Alternative as existing conditions would not change.

4.6.3. Traffic

The Proposed Action Tower 2 site is located in a developed area, not along any major Port roads. There are side access roads next to the site, and traffic flow and intensity on these roads is not heavy. Impacts on traffic flow and intensity associated with Proposed Action construction would be short-term (less than 60 days total).

No significant impacts on traffic conditions are anticipated from Proposed Action implementation. Thus, traffic is excluded from further analysis.

No impacts on traffic would occur under the No Action alternative, as existing conditions would not change.

4.6.4. Public Service and Utilities

Port Canaveral is the world's third busiest passenger cruise port, and passenger cruises are the Port's primary income source (CPA 2010). A maintained channel divides the north and south sides of the Port Canaveral, which is accessed by drawbridges. The north side supports a fuel depot storage area and the cruise port. The south side supports cargo vessels, marinas, yachting, marine support light industry, and the Cove area. The Cove is a recreational and tourist attraction with restaurants, charter boats, and marina businesses.

There are no known communications utility structures on the Proposed Action Tower Site 2, which is next to the newly constructed first response/fire station and IMOC. Both buildings were engineered and built to provide electricity and communication conduits from the buildings to the tower. Proposed Action Tower 2 would replace a primary microwave relay point atop the CEMEX[®] Silo. This relay point provides network redundancy in case the Port's fiber optic backbone is compromised. The CEMEX[®] Silo is an aging structure, with limited accessibility due to building code and life safety concerns. The Proposed Action would relocate the microwave relay point to a safe and accessible structure. Additional microwaves would also be placed on the tower for redundancy and increased capacity.

Currently, no impacts on public services or utilities are expected under the Proposed Action Alternative.

No direct, indirect and/or cumulative effects are anticipated under the No Action alternative, as current conditions would not change.

4.6.5. Public Health and Safety

The President's Council on Environmental Quality (CEQ) regulations (§1508.27) require any federal actions to address public health and safety. Port Canaveral operations include activities associated with cruise ship terminals, petroleum storage facilities, cargo transit, recreation and tourism, and adjacent military installations. The Proposed Action site is located in low transit areas away from primary port operations. Furthermore, Proposed Action construction would be short-term. No direct or indirect adverse impacts on public health and safety are expected from the Proposed Action Alternative; thus, they are excluded from further analysis.

Moderate to major beneficial cumulative impacts on public health and safety could occur from Proposed Action implementation. Port communication connectivity is essential to maintain safe

and efficient operations, minimize threats enhancing emergency and disaster response and recovery, and avoid errors that could significantly and adversely impact public health and safety.

The No Action alternative could have moderate adverse cumulative impacts on public health and safety. The current Port communications system cannot support planned system upgrades required to maintain safe port operations. Furthermore, without an upgraded communications system, security threats may not be avoided efficiently and errors, which may lead to public health and safety risks.

5. Agency Coordination, Public Involvement and Permits

The CPA coordinated with multiple agencies for input regarding the Project. Notifications for each tower were made as separate inquiries (Appendix F and Appendix G). The following agencies were contacted:

- FDEP issued ERP Modification No.: ERP-05-0299121-002-EM on October 20, 2011 for the first response/fire station, which includes activities described under the Proposed Action (Appendix F)
- NHPA Section 106 filing sent to FCC on December 2, 2010. Notification was sent to the Florida Division of Historical Resources, State Historic Preservation Officer. No direct or visual effects to historic properties within the Area of Potential Effects were determined (Appendix G)
- The Miccosukee Tribe of Indians of Florida, the Seminole Nation of Oklahoma and the Seminole Tribe of Florida also reviewed the Section 106 filing with the FCC. A response from the Miccosukee Tribe of Indians of Florida was received. They determined “that there is no cultural, historical, or religious side of the Tribe” at the Project location (Appendix G)
- Letter sent to USFWS on December 19, 2011 requesting a “Finding of Not Likely to Adversely Affect”. USFWS concurred with the determination, which fulfills federal ESA requirements (Appendix G)

A Public Notice was published in the “Florida Today” newspaper on December 1, 2010 (Appendix H). The Public Notice invited comments from any interested party on the impact of the construction of 160 ft self-supporting communication towers in Port Canaveral.

A Public Notice advertising the availability of this Draft EA for public review and comment will be published in “Florida Today” on December 1, 2012 and December 5, 2012 (Appendix H).

This document can be viewed and downloaded from the following FEMA website <http://www.fema.gov/environmental-planning-and-historic-preservation-program/environmental-documents-public-notices-2>.

The FONSI, if issued, will also be available there.

This Draft EA will also available at the Cape Canaveral Public Library, 201 Polk Avenue, Cape Canaveral, Florida.

Draft Environmental Assessment
Canaveral Port Authority Interoperable Communications Project
Cape Canaveral, Brevard County, Florida
PSGP 2010-PU-T0-K016-IJ
December 1, 2012

Public Comments are to be sent to Dr. William Straw, FEMA Regional Environmental Officer, at < William.Straw@fema.dhs.gov > or at:

William Straw
Regional Environmental Officer
FEMA Region IV
3003 Chamblee Tucker Rd
Atlanta GA 30341-4112

If no significant, negative comments are received within 15 calendar days after date of the first Public Notice, then this Draft EA will become the Proposed Action's Final Environmental Assessment.

6. Conclusions

This Draft Environmental Assessment (EA) evaluates the proposed installing of a communication tower at Cape Canaveral, Florida. The Canaveral Port Authority (CPA) proposes to construct one 160 foot tower in Port Canaveral to support a port wide communication system that will allow transfer of critically sensitive and classified multi-media throughout the Port and among its local regional, statewide, and national stakeholders.

Three alternatives were considered under this analysis: 1) No Action Alternative; 2) Proposed Action Alternative; and 3) Alternate Action Alternative. Details of each are provided below.

- No Action
- Proposed Action – Install one communications tower (Tower 1) and six antennas
- Alternative Action – Install two communications towers (Tower 1 and Tower 2) and six antennas

Implementing the Proposed Action alternative by installing one communication tower (Tower 2) and six antennas is the CPA's preferred alternative. The No Action Alternative is prescribed by the Council on Environmental Quality regulations to serve as the baseline against which the Proposed Action is analyzed. The Alternate Action Alternative (installation of Tower 1 and Tower 2, and six antennas) was eliminated from further consideration as the need for the second tower was evaluated and dismissed.

This Draft EA evaluates potential short and long-term beneficial and adverse effects on physical, water, coastal, biological, cultural, and socioeconomic resources that occur near or adjacent to the location of the Proposed Action Alternative (Tower 2) and No Action Alternative. For each resource area, the predicted effects from the Proposed Action Alternative and No Action Alternative are summarized in Appendix I.

7. List of Preparers and Reviewers

This document was prepared and/or reviewed by:

Erin Hague, CEP
Sr. Coastal & Marine Ecologist
Tetra Tech, Inc.

Josefina Massa
Marine Biologist/Ecologist
Tetra Tech, Inc.

Craig Kruempel
Senior Scientist/Project Manager
Tetra Tech, Inc.

Carol Noble
Director, Environmental Plans and
Programs
Canaveral Port Authority

Connie Rosado
Grants Accountant
Canaveral Port Authority

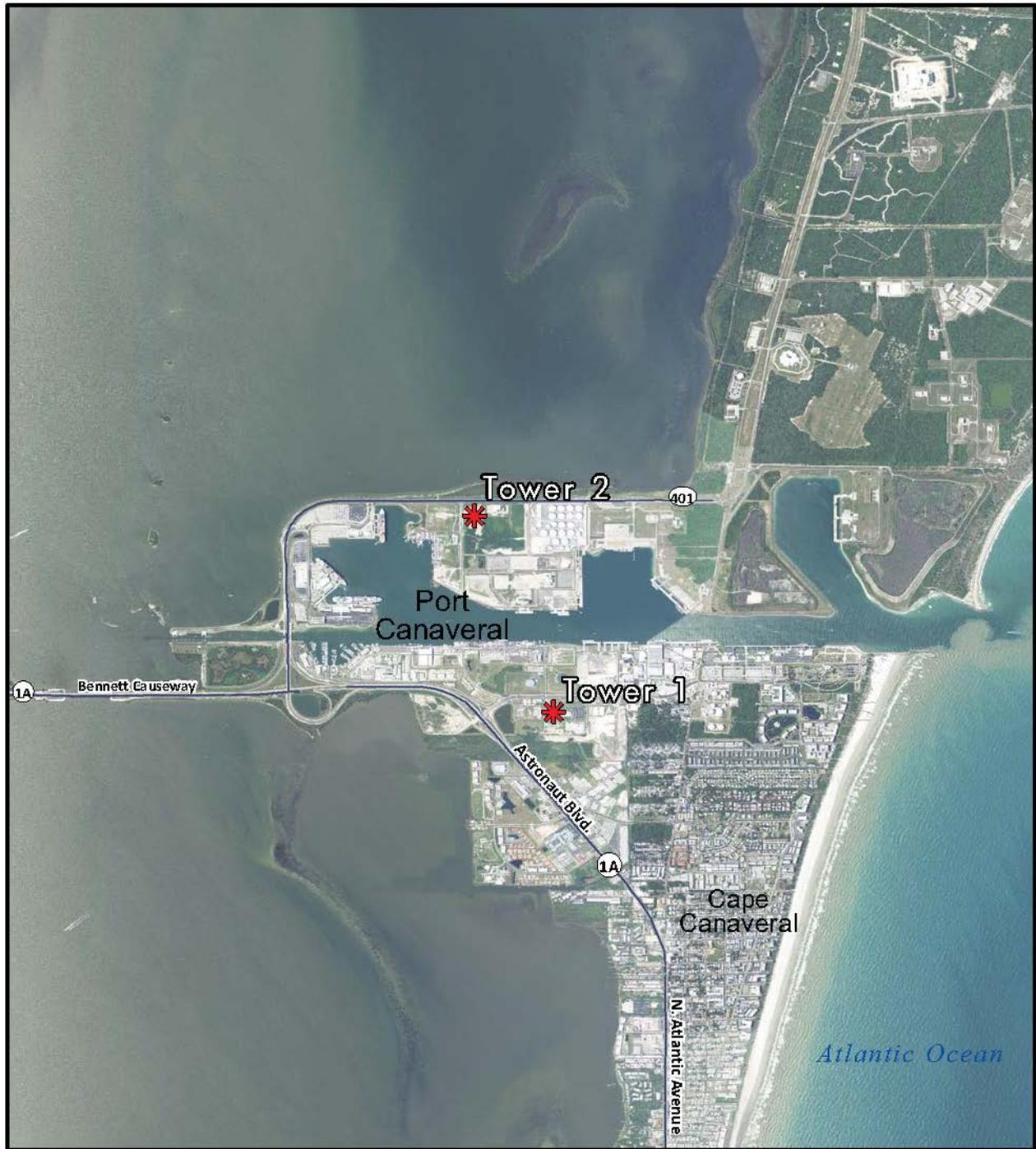
William Straw, PhD
Regional Environmental Officer
Federal Emergency Management Agency
Region IV

Joan Gillard
Environmental Contractor for the
Federal Emergency Management Agency

8. References

- CPA (Canaveral Port Authority), 2010. FY 2010 Port Security Grant Program (PSGP) Investment Justification, Port Areas Jacksonville and Canaveral, Port Wide Interoperable Communications Infrastructure Project. 8 pp + maps and detail plans.
- DC&A (Dial Cordy and Associates, Inc.), 2006. Port Canaveral Protected Species Report, Brevard County, Florida. Prepared for Canaveral Port Authority, Cape Canaveral, Florida. 10 pp.
- DC&A, 2006b. Environmental Baseline Report, Port Canaveral Navigation Improvements, Port Canaveral, FL. Prepared for Canaveral Port Authority, Cape Canaveral, FL. 24 pp.
- DC&A, 2007. Biological Assessment, Port Canaveral Navigation Improvements Project, Brevard County, Florida. Submitted to the US Fish and Wildlife Service. Prepared for Canaveral Port Authority, Cape Canaveral, Florida. 19 pp.
- FDEP (Florida Department of Environmental Protection), 2012. Florida Coastal Management Program Guide, A Guide to the Federally Approved Florida Coastal Management Program. Tallahassee, Florida. 108 pp.
- FEMA (Federal Emergency Management Agency), 2012. Flood Zones, NFIP Policy Index, Definition/Description.
http://www.fema.gov/plan/prevent/floodplain/nfipkeywords/flood_zones.shtm
Last accessed April 2012.
- Foxhoven, T., 2012. Personal observations made by Canaveral Port Authority inspector with 27 years working outside and on the ground at Port Canaveral.
- USDA and UF (US Department of Agriculture Soil Conservation Service and University of Florida, Agricultural Experiment Stations), 1974. Soil Survey of Brevard County, Florida. 130 pp.
- USDOT (U.S. Department of Transportation) Federal Highway Administration. 2006. Construction Noise Handbook. FHWA-HEP-06-015; DOT-VNTSC-FHWA-06-02; NTIS No. PB2006-109102.
- USFWS (U.S. Fish and Wildlife Service), 2012. Migratory Bird Program.
<http://www.fws.gov/migratorybirds/baldeagle.htm>. Last accessed April 2012.

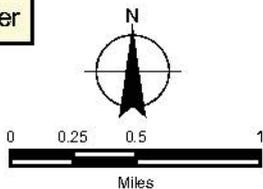
APPENDIX A
Photographs and Maps of Tower 2

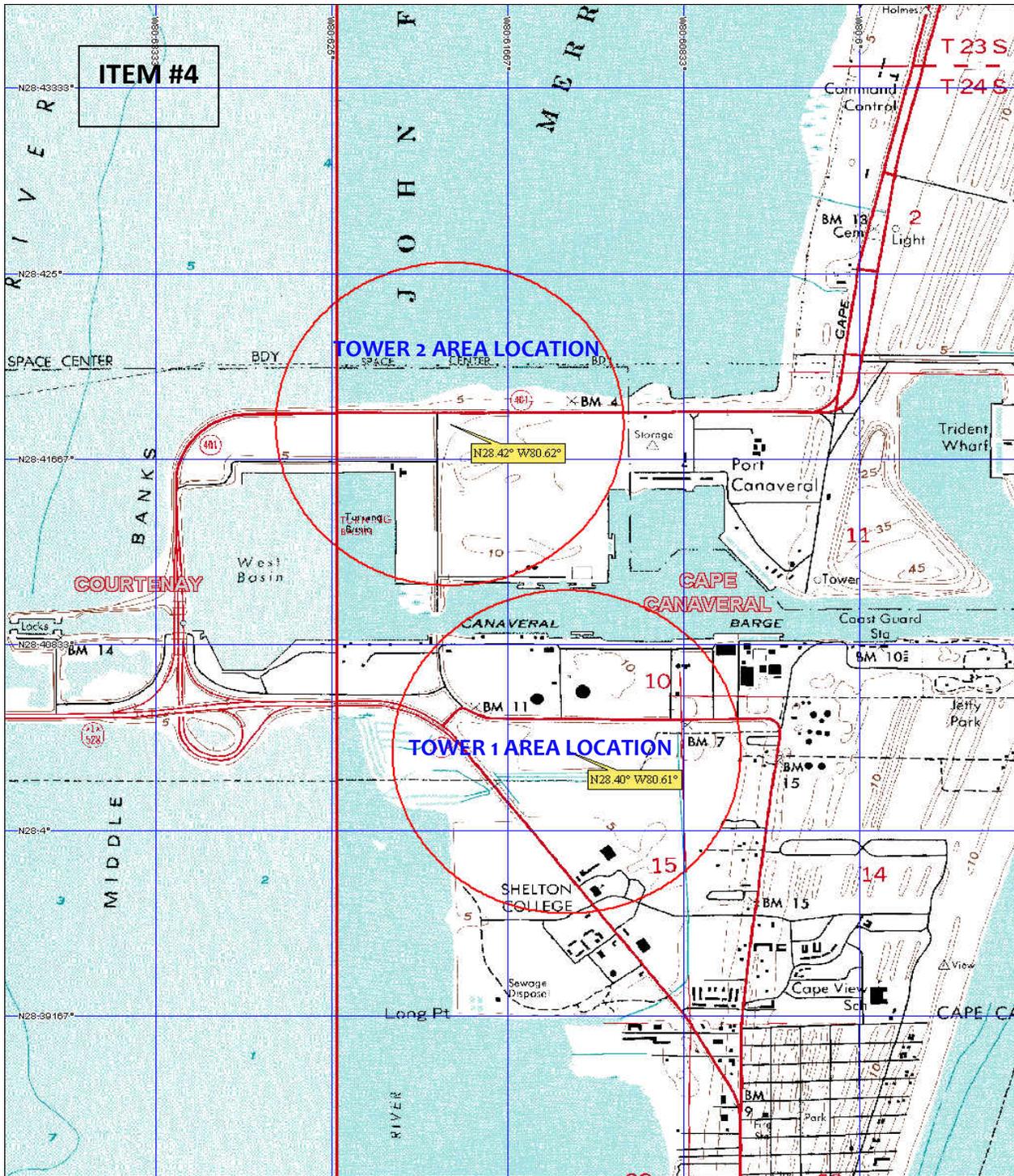


Sources: 2010 NAIP, Tiger 2010

Legend

 Communication Tower





3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 700 ft Scale: 1: 24,000 Detail: 13-0 Datum: WGS84

Canaveral Port Authority – PSGP GRANT# 2010-PU-To-Ko16 JI#1
PROJECT: PORT WIDE INTEROPERABLE COMMUNICATIONS INFRASTRUCTURE PROJECT TOWER #1
(South Tower) AND TOWER #2 (North Tower)
LOCATION: MARITIME CENTER, 8980 Columbia Road, Cape Canaveral, FL 32920

Title: Aerial photographs of Brevard County - Flight 2C (1943)
URL: <http://ufdc.ufl.edu/?b=UF00071730&v=00002>
Site: University of Florida Digital Collections



Canaveral Port Authority – PSGP GRANT# 2010-PU-To-K016 JI#1
PROJECT: PORT WIDE INTEROPERABLE COMMUNICATIONS INFRASTRUCTURE PROJECT TOWER #1
LOCATION: MARITIME CENTER, 8980 Columbia Road, Cape Canaveral, FL 32920

ITEM #4



CANAVERAL PORT AUTHORITY

INVESTMENT DESCRIPTION: Port Wide Interoperable Communications Infrastructure Project – IJ# 1 TOWER #2

GRANT PROGRAM/AWARD NUMBER: PSGP / AWARD# 2010-PU-To-Ko16

DESCRIPTION: AERIAL PHOTO – TOWER #2 next to the Inter-Agency Maritime Operations Center (IMOC) – still under construction.



Tower 2 Site – November 2012 photo with arrow indicating proposed location of self-supporting lattice communication tower between fire station and Inter-Agency Maritime Operations Center.



Tower 2 Site – November 2012 photo with arrow indicating proposed location of self-supporting lattice communication tower on unpaved ground.



North View from Tower #2



South View from Tower #2

CANAVERAL PORT AUTHORITY
PROJECT: PORT WIDE INTEROPERABLE COMMUNICATIONS INFRASTRUCTURE PROJECT – TOWER #2
LOCATION: INTER-AGENCY MARITIME OPERATIONS CENTER (IMOC), 9290 Grouper Road, Cape Canaveral, FL 32920
PSGP AWARD# 2010-PU-To-K016



West View from Tower #2



East View from Tower #2

CANAVERAL PORT AUTHORITY

PROJECT: PORT WIDE INTEROPERABLE COMMUNICATIONS INFRASTRUCTURE PROJECT – TOWER #2

LOCATION: INTER-AGENCY MARITIME OPERATIONS CENTER (IMOC), 9290 Grouper Road, Cape Canaveral, FL 32920

PSGP AWARD# 2010-PU-To-K016

APPENDIX B
Detailed Specifications of Low Profile Antennas



Imagery ©2012 DigitalGlobe, GeoEye, The Florida Department of Environmental Protection, U.S. Geological Survey, Map data ©2012 Google - Edit in Google Map Maker - Repo

	<p>Drawn By Mark Lorusso</p>	<p>Revised May 15, 2012</p>	<p>Drawing Title Proposed Cruise Terminal Microwave Locations</p>	<p>Description ● Red dot symbolizes the proposed microwave antenna locations</p>	<p>Page 1 of 1</p>
--	----------------------------------	---------------------------------	---	--	------------------------



VHLP1-23

**0.3 m | 1 ft ValuLine® High Performance Low Profile Antenna, single-polarized,
21.200–23.600 GHz**

General Specifications

Antenna Type	VHLP - ValuLine® High Performance Low Profile Antenna, single-polarized
Diameter, nominal	0.3 m 1 ft
Polarization	Single

Electrical Specifications

Beamwidth, Horizontal	3.0 °
Beamwidth, Vertical	3.0 °
Cross Polarization Discrimination (XPD)	30 dB
Electrical Compliance	Brazil Anatel Class 2 Canada SRSP 321.8 Part B ETSI 302 217 Class 3 US FCC Part 101A
Front-to-Back Ratio	62 dB
Gain, Low Band	34.7 dBi
Gain, Mid Band	35.3 dBi
Gain, Top Band	35.9 dBi
Operating Frequency Band	21.200 – 23.600 GHz
Radiation Pattern Envelope Reference (RPE)	7014A
Return Loss	17.7 dB
VSWR	1.30

Mechanical Specifications

Fine Azimuth Adjustment	±15°
Fine Elevation Adjustment	±15°
Mounting Pipe Diameter	50 mm–115 mm 2.0 in–4.5 in
Net Weight	7 kg 14 lb
Side Struts, Included	0
Side Struts, Optional	0
Wind Velocity Operational	200 km/h 124 mph
Wind Velocity Survival Rating	250 km/h 155 mph

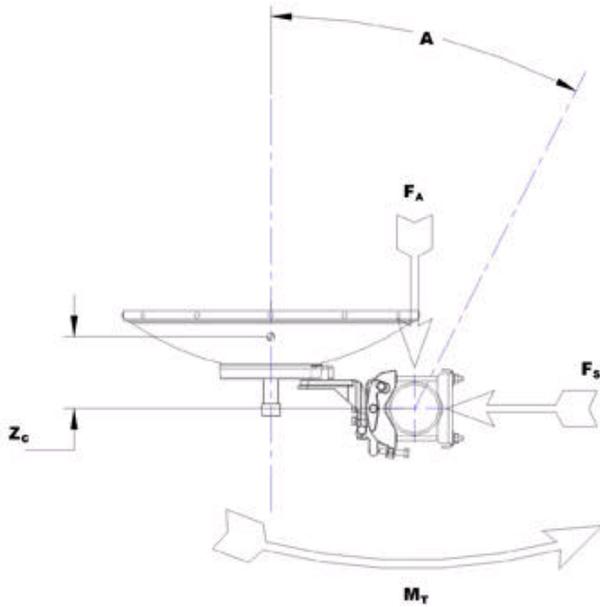
Wind Forces At Wind Velocity Survival Rating

Axial Force (FA)	445 N 100 lbf
Side Force (FS)	221 N 50 lbf
Twisting Moment (MT)	166 N•m
Weight with 1/2 in (12 mm) Radial Ice	13 kg 28 lb
Zcg with 1/2 in (12 mm) Radial Ice	50 mm 2 in
Zcg without Ice	25 mm 1 in

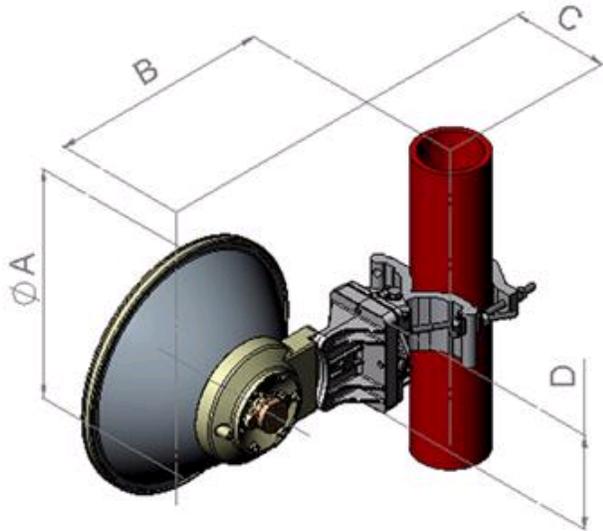
VHLP1-23



Wind Forces At Wind Velocity Survival Rating Image



Antenna Dimensions And Mounting Information



Dimensions in inches (mm)				
Antenna size, ft (m)	ØA	B	C	D
1 (0.3)	15.3 (388)	147 (372)	6.5 (166)	6.3 (160)

* Footnotes

Axial Force (FA)	Maximum forces exerted on a supporting structure as a result of wind from the most critical direction for this parameter. The individual maximums specified may not occur simultaneously. All forces are referenced to the mounting pipe.
Cross Polarization Discrimination (XPD)	The difference between the peak of the co-polarized main beam and the maximum cross-polarized signal over an angle twice the 3 dB beamwidth of the co-polarized main beam.
Front-to-Back Ratio	Denotes highest radiation relative to the main beam, at $180^\circ \pm 40^\circ$, across the band. Production antennas do not exceed rated values by more than 2 dB unless stated otherwise.
Gain, Mid Band	For a given frequency band, gain is primarily a function of antenna size. The gain of Andrew antennas is determined by either gain by comparison or by computer integration of the measured antenna patterns.
Operating Frequency Band	Bands correspond with CCIR recommendations or common allocations used throughout the world. Other ranges can be accommodated on special order.
Radiation Pattern Envelope Reference (RPE)	Radiation patterns determine an antenna's ability to discriminate against unwanted signals under conditions of radio congestion. Radiation patterns are dependent on antenna series, size, and frequency.
Return Loss	The figure that indicates the proportion of radio waves incident upon the antenna that are rejected as a ratio of those that are accepted.
Side Force (FS)	Maximum side force exerted on the mounting pipe as a result of wind from the most critical direction for this parameter. The individual maximums specified may not occur simultaneously. All forces are referenced to the



VHLP1-23

	mounting pipe.
Twisting Moment (MT)	Maximum forces exerted on a supporting structure as a result of wind from the most critical direction for this parameter. The individual maximums specified may not occur simultaneously. All forces are referenced to the mounting pipe.
VSWR	Maximum; is the guaranteed Peak Voltage-Standing-Wave-Ratio within the operating band.
Wind Velocity Operational	The wind speed where the antenna deflection is equal to or less than 0.1 degrees. In the case of ValuLine antennas, it is defined as a maximum deflection of 0.3 x the 3 dB beam width of the antenna.
Wind Velocity Survival Rating	The maximum wind speed the antenna, including mounts and radomes, where applicable, will withstand without permanent deformation. Realignment may be required. This wind speed is applicable to antenna with the specified amount of radial ice.

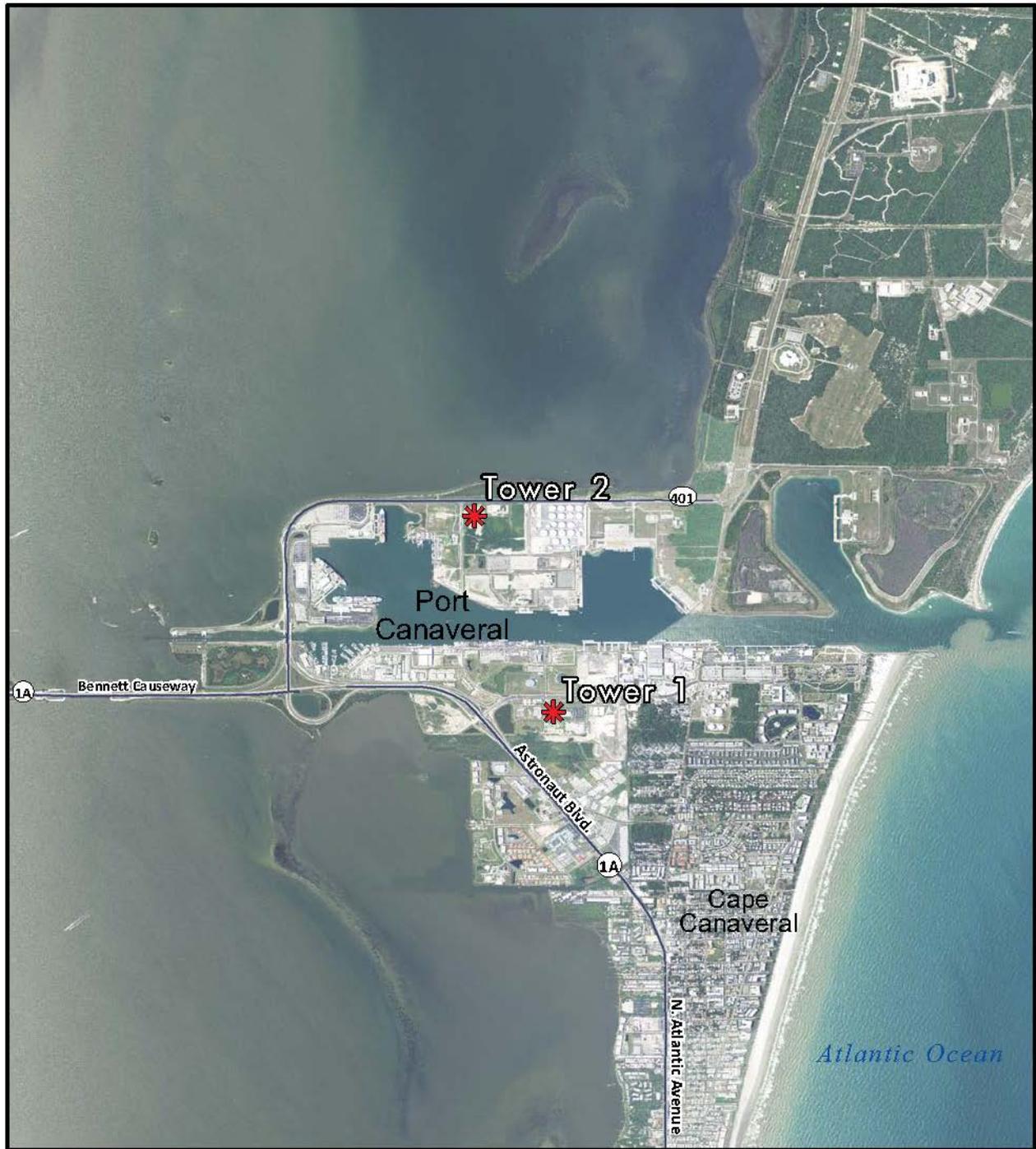


Sample photo of wall mounted antenna currently installed at Port Canaveral.



Sample photo of close-up of wall mounted antenna currently installed at Port Canaveral.

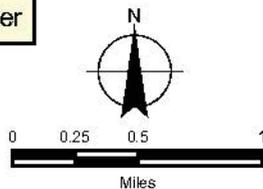
APPENDIX C
Photographs and Maps of Tower 1

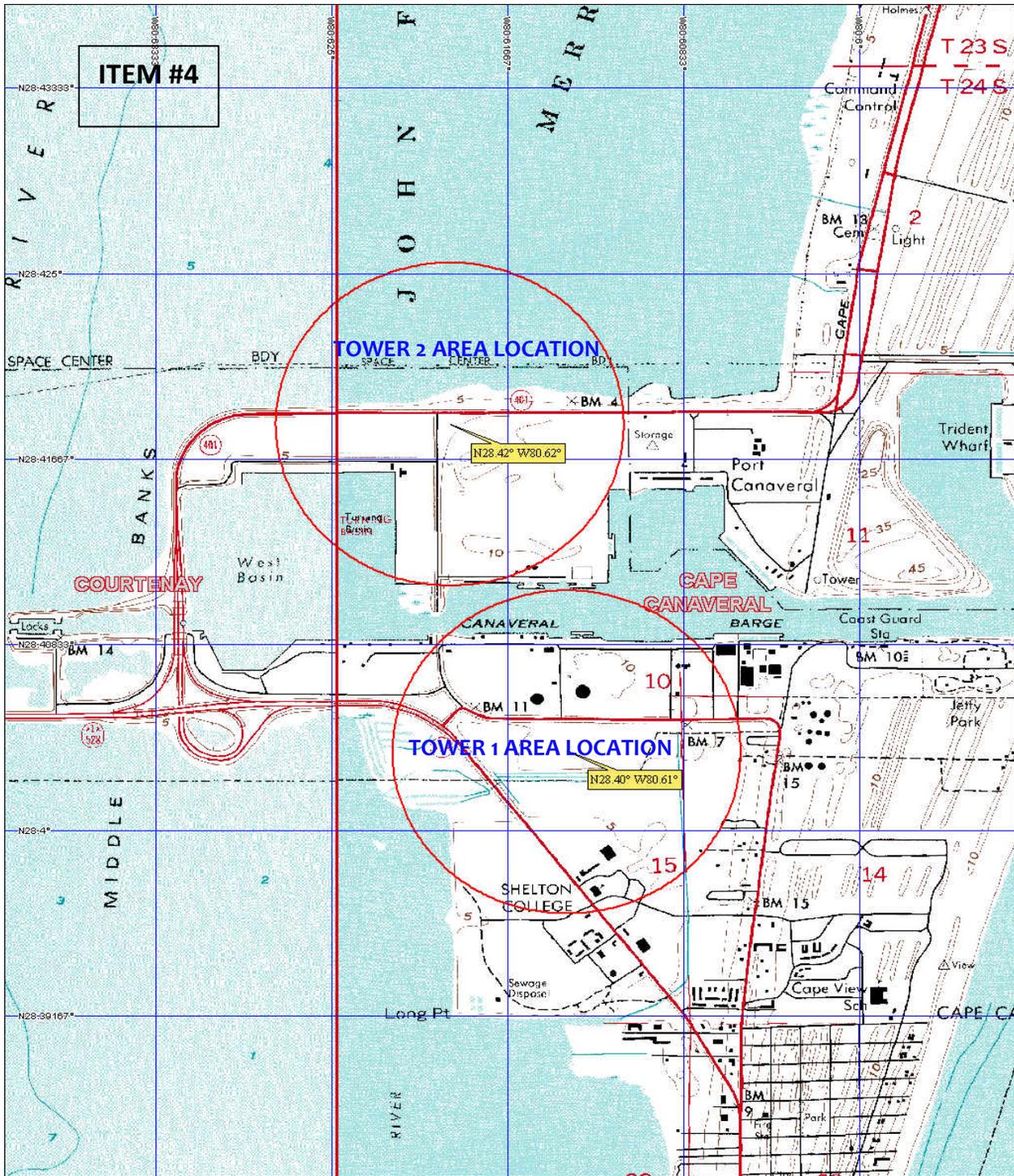


Sources: 2010 NAIP, Tiger 2010

Legend

 Communication Tower





3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 700 ft Scale: 1: 24,000 Detail: 13-0 Datum: WGS84

Canaveral Port Authority – PSGP GRANT# 2010-PU-To-Ko16 JI#1
PROJECT: PORT WIDE INTEROPERABLE COMMUNICATIONS INFRASTRUCTURE PROJECT TOWER #1
(South Tower) AND TOWER #2 (North Tower)
LOCATION: MARITIME CENTER, 8980 Columbia Road, Cape Canaveral, FL 32920

Title: Aerial photographs of Brevard County - Flight 2C (1943)
URL: <http://ufdc.ufl.edu/?b=UF00071730&v=00002>
Site: University of Florida Digital Collections



Canaveral Port Authority – PSGP GRANT# 2010-PU-To-Ko16 JI#1
PROJECT: PORT WIDE INTEROPERABLE COMMUNICATIONS INFRASTRUCTURE PROJECT TOWER #1
LOCATION: MARITIME CENTER, 8980 Columbia Road, Cape Canaveral, FL 32920

ITEM #4



EHP ITEM# 2

CANAVERAL PORT AUTHORITY – PSGP GRANT# 2010-PU-To-K016 IJ#1
PROJECT: PORT WIDE INTEROPERABLE COMMUNICATIONS INFRASTRUCTURE PROJECT
DESCRIPTION: AERIAL PHOTO - TOWER #1 (South Tower)
PROPOSED LOCATION: SOUTHEAST SIDE OF THE MARITIME CENTER – TOWER #1
8980 Columbia Road, Cape Canaveral, FL 32920



EHP ITEM# 1

CANAVERAL PORT AUTHORITY - PSGP GRANT# 2010-PU-To-Ko16 IJ#1
PROJECT: PORT WIDE INTEROPERABLE COMMUNICATIONS INFRASTRUCTURE PROJECT
DESCRIPTION: GROUND LEVEL PHOTO - TOWER #1 (South Tower)
PROPOSED LOCATION: SOUTHEAST SIDE OF THE MARITIME CENTER - TOWER #1
8980 Columbia Road, Cape Canaveral, FL 32920

ITEM #3



East View from Tower #1



West View from Tower #1

CANAVERAL PORT AUTHORITY
PROJECT: PORT WIDE INTEROPERABLE COMMUNICATIONS INFRASTRUCTURE PROJECT – TOWER #1 (South Tower)
LOCATION: MARITIME CENTER, 8980 Columbia Road, Cape Canaveral, FL 32920
PSGP AWARD# 2010-PU-To-K016

ITEM #3



North View from Tower #1



South View from Tower #1

CANAVERAL PORT AUTHORITY
PROJECT: PORT WIDE INTEROPERABLE COMMUNICATIONS INFRASTRUCTURE PROJECT
LOCATION: MARITIME CENTER, 8980 Columbia Road, Cape Canaveral, FL 32920
PSGP AWARD# 2010-PU-To-K016



SOUTHWEST VIEW



EAST VIEW

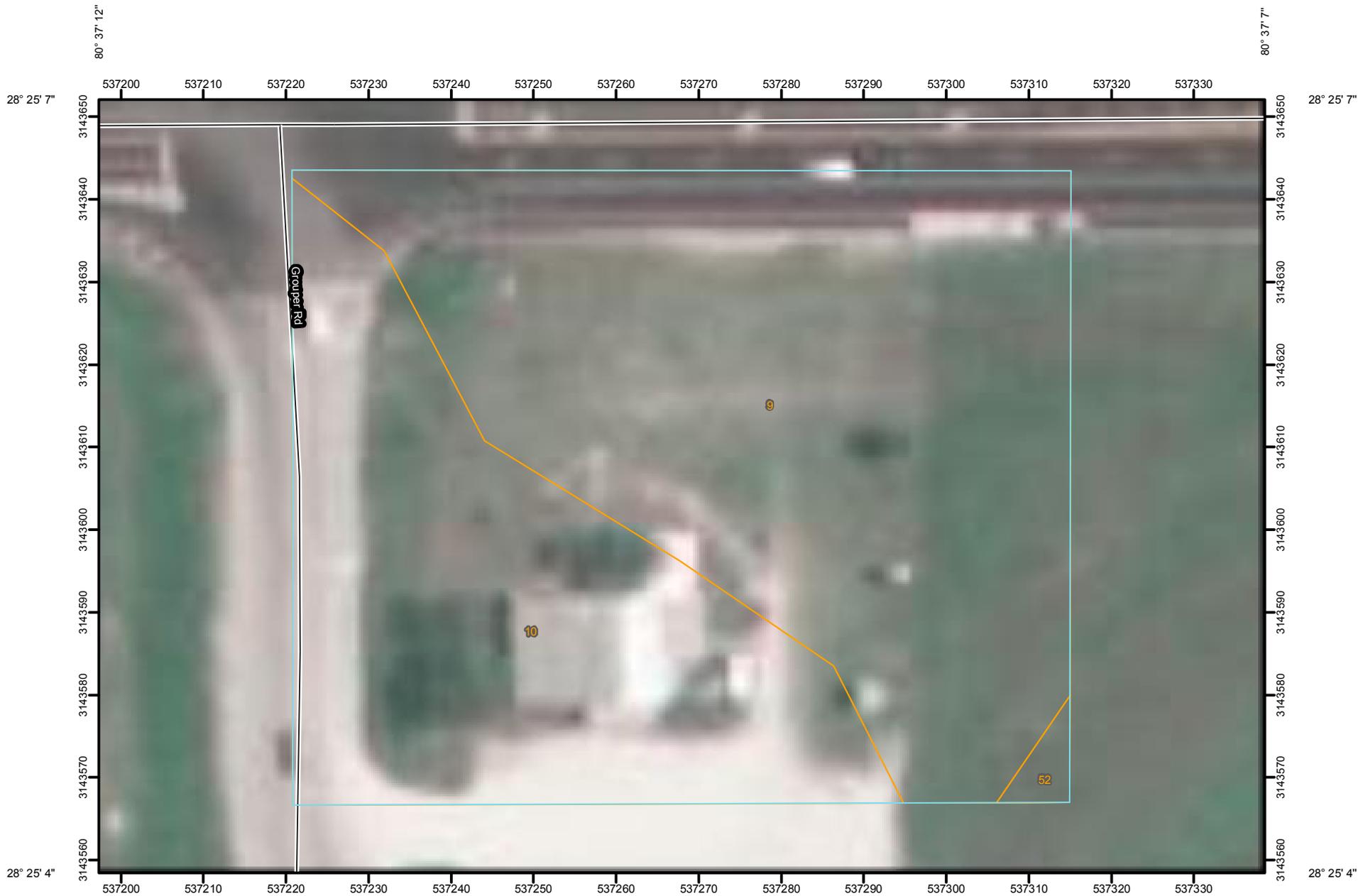
**ITEM
#11**

Canaveral Port Authority – PSGP GRANT# 2010-PU-To-K016 JI#1
PROJECT: PORT WIDE INTEROPERABLE COMMUNICATIONS INFRASTRUCTURE PROJECT TOWER #1
(South Tower) AND TOWER #2 (North Tower)
LOCATION: MARITIME CENTER, 8980 Columbia Road, Cape Canaveral, FL 32920

APPENDIX D

Soils Maps

Soil Map—Brevard County, Florida
(Tower 2 (South Tower) Soil Map)



80° 37' 12"



Map Scale: 1:670 if printed on A size (8.5" x 11") sheet.



80° 37' 7"

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Units

Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot
-  Spoil Area
-  Stony Spot

 Very Stony Spot

 Wet Spot

 Other

Special Line Features

-  Gully
-  Short Steep Slope
-  Other

Political Features

 Cities

Water Features

-  Oceans
-  Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

MAP INFORMATION

Map Scale: 1:670 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: UTM Zone 17N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Brevard County, Florida
Survey Area Data: Version 8, Jan 13, 2010

Date(s) aerial images were photographed: 6/20/2007

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Brevard County, Florida (FL009)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
9	Canaveral-Anclote complex, gently undulating	1.1	59.9%
10	Canaveral-Urban land complex	0.7	39.3%
52	Quartzipsamments, smoothed	0.0	0.8%
Totals for Area of Interest		1.8	100.0%

APPENDIX E
Wetland and Floodplain Maps



U.S. Fish and Wildlife Service National Wetlands Inventory

PSGP Award#
2010-PU-T0-K016

Sep 27, 2010



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deetwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

Status

- Digital
- Scan
- Non-Digital
- No Data

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

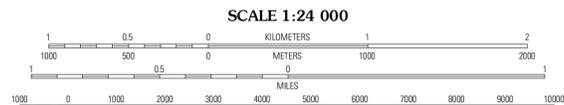
User Remarks:

IJ#1 - TOWER #2
Location: 9290 Grouper Road, Cape Canaveral, FL 32920



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 17R
10 000-foot ticks: Florida Coordinate System of 1983 (east
zone)

Imagery: NADIP, May 2010
Roads: ©2006-2011 TomTom
Names: GNIS, 2011
Hydrography: National Hydrography Dataset, 2010
Contours: National Elevation Dataset, 2012
Boundaries: Census, IBWC, IBC, USGS, 1972 - 2010



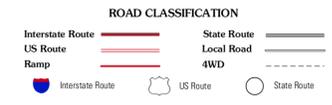
CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988
This map was produced to conform with the
National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.3

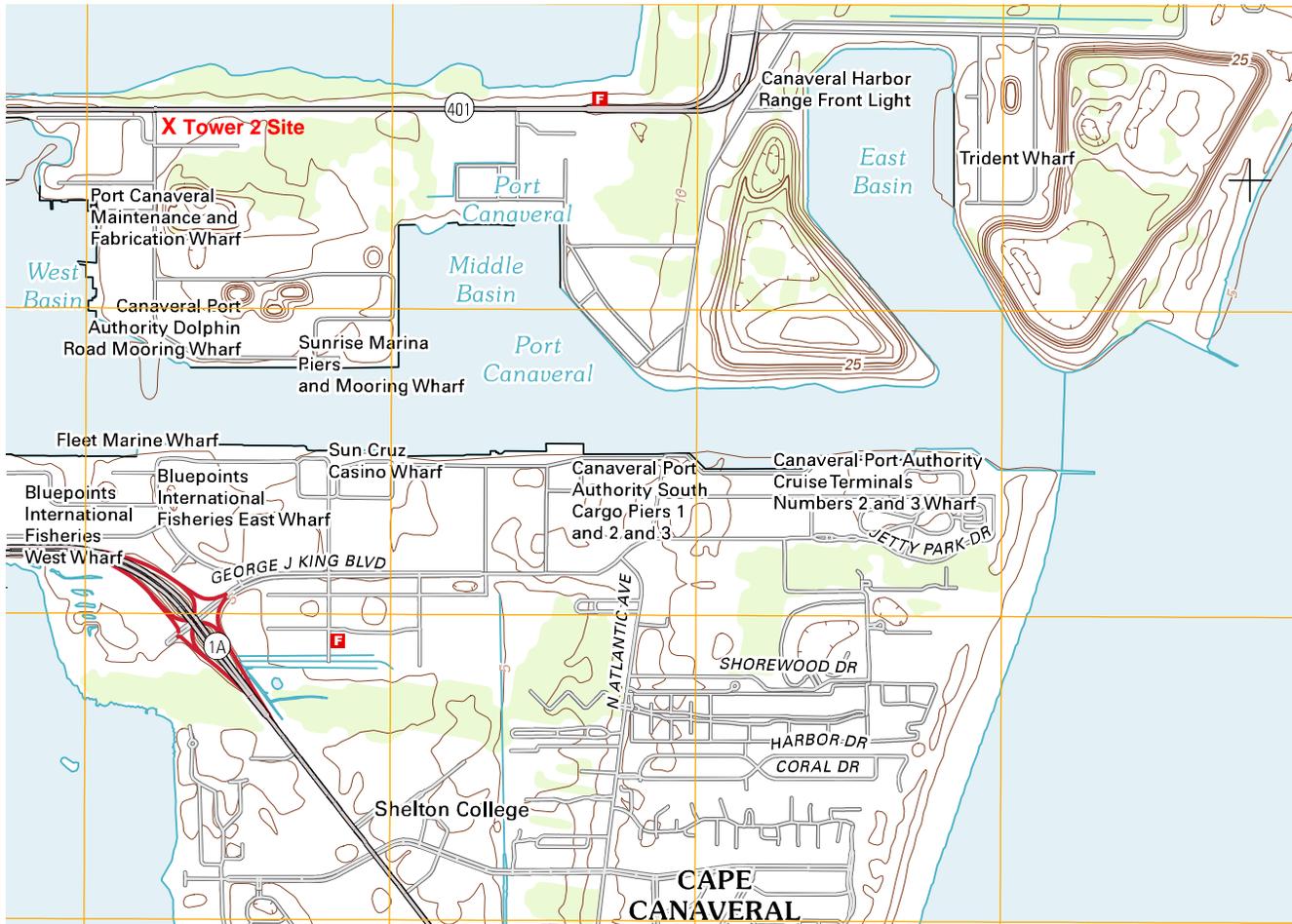


QUADRANGLE LOCATION

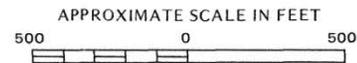
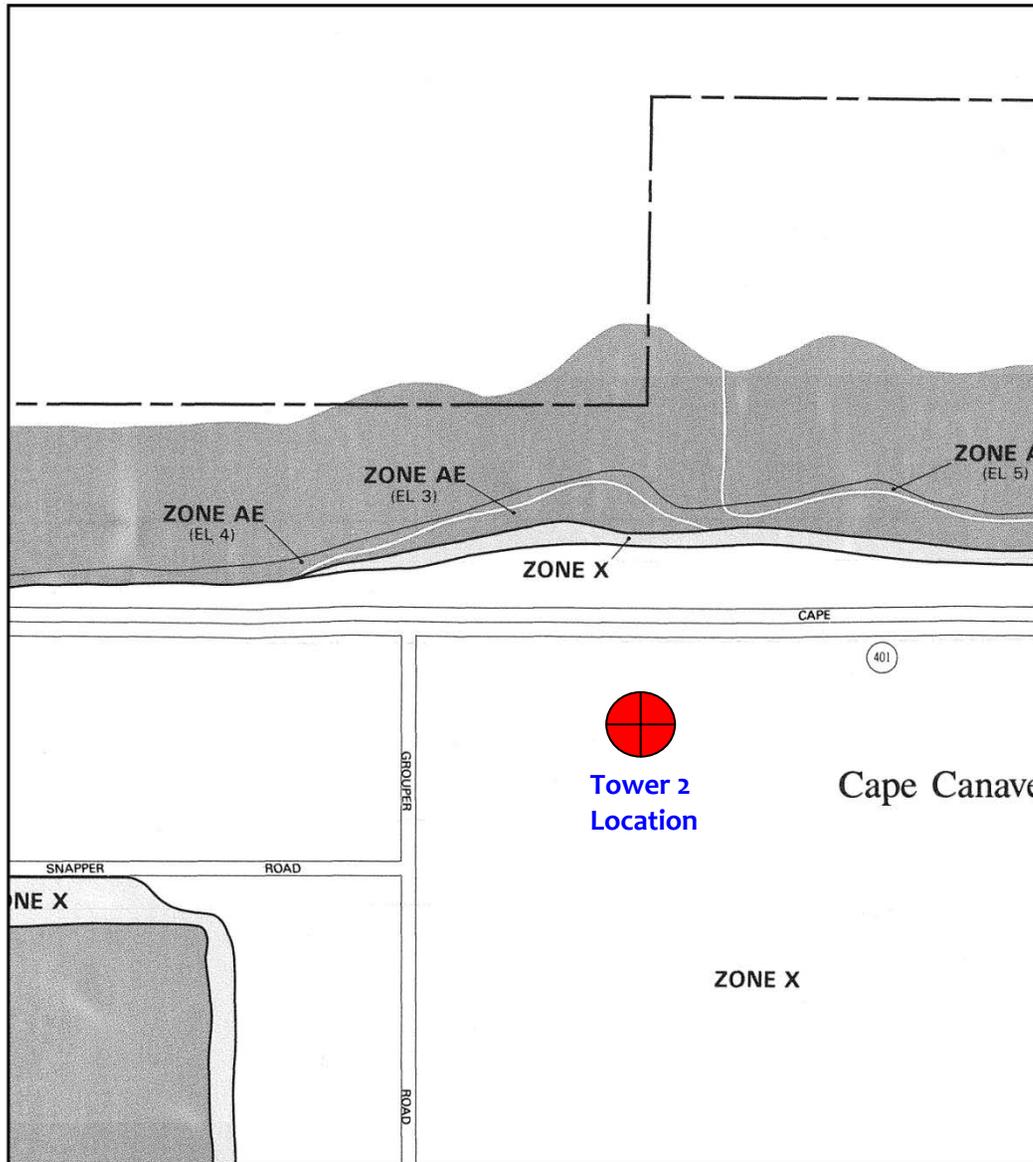
Orsino	False Cape
Courtemay	Cape Canaveral
Cocoa	Cocoa Beach

ADJOINING 7.5 QUADRANGLES





USGS Topographic Map (2011), Cape Canaveral Quadrangle, Florida-Brevard County, 7.5-Minute Series
 Zoom-in at the Proposed Action Alternative (Tower 2) Site



NATIONAL FLOOD INSURANCE PROGRAM

**FIRM
FLOOD INSURANCE RATE MAP**

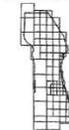
BREVARD COUNTY,
FLORIDA AND
INCORPORATED AREAS

PANEL 311 OF 727

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
CAPE CANAVARAL PORT	120619	0311	E
UNINCORPORATED AREAS	125092	0311	E

PANEL LOCATION



**MAP NUMBER:
12009C0311 E**

**EFFECTIVE DATE:
APRIL 3, 1989**



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

APPENDIX F
FDEP Permit – Consistency Determination with the
Coastal Zone Management Plan



Florida Department of Environmental Protection Permit

Permittee/Authorized Entity:

John E. Walsh

jwalsh@portcanaveral.org

Canaveral Port Authority

445 Challenger Road

Cape Canaveral, Florida 32920

CPA Fire Station Modification

Authorized Agent:

David M. Tom, P.E.

dtom@ceengineering.com

Construction Engineering Group

2651 West Eau Gallie Boulevard, Suite A

Melbourne, Florida 32935

Environmental Resource Permit – Modification

State-owned Submerged Lands Authorization – Not Applicable

U.S. Army Corps of Engineers Authorization – Not Applicable

Permit No.: ERP05-0299121-002-EM

Permit Issuance Date: October 20, 2011

Permit Construction Phase Expiration Date: October 20, 2016



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

Environmental Resource Permit

Permittee: Canaveral Port Authority
Attention: John E. Walsh, Deputy Executive Director
Permit No: ERP05-0299121-002-EM

PROJECT LOCATION

The activities authorized by this permit are located on the southeast corner of Highway 401 and Grouper Road, at 660 Magellan Road, in Section 10, Township 24 South, Range 37 East, Cape Canaveral, Brevard County at latitude 28° 25' 6.975" and longitude 80° 37' 11.1329". The parcel identification number is 24-37-10-00-00253.0-0000.00.

AUTHORIZATIONS

CPA Fire Station Modification

Project Description

The permittee is authorized to modify an existing stormwater management system to treat the runoff for the proposed improvements to an existing administration building and fire station.

Authorized activities are depicted on the attached 7 drawings.

The project described above may be conducted only in accordance with the terms, conditions and attachments contained in this permit. The issuance of this permit does not infer, nor guarantee, nor imply that future permits or modifications will be granted by the Department.

Sovereignty Submerged Lands Authorization

As staff to the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees), the Department has reviewed the activity described above and has determined the activity is not on submerged lands owned by the State of Florida. Therefore, your project is not subject to the requirements of Chapter 253, Florida Statutes (F.S.).

Federal Authorization

A copy of this permit has been sent to the U.S. Army Corps of Engineers (USACE). The USACE may require a separate permit. Failure to obtain any required federal permits prior to construction could subject you to enforcement action by that agency.

Coastal Zone Management

This permit also constitutes a finding of consistency with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Management Act.

Water Quality Certification

This permit constitutes certification of compliance with state water quality standards under Section 401 of the Clean Water Act, 33 U.S.C. 1341.

Other Authorizations

You are advised that authorizations or permits for this project may be required by other federal, state or local entities including but not limited to local governments and homeowner's associations. This permit does not relieve you from the requirements to obtain all other required permits or authorizations.

In addition, you are advised that your project may require additional authorizations or permits from the municipality/county in which the project is located. Please be sure to contact the local county building and environmental department to obtain these required authorizations.

PERMIT

The activities described herein must be conducted in accordance with:

- **The Specific Conditions**
- **The General Conditions**
- **The limits, conditions and locations of work shown in the attached drawings**
- **The term limits of this authorization**

You are advised to read and understand these conditions and drawings prior to commencing the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings. If you are utilizing a contractor, the contractor also should read and understand these conditions and drawings prior to commencing the authorized activities. Failure to comply with these conditions, including any mitigation requirements, shall constitute grounds for revocation of the Permit and appropriate enforcement action by the Department.

Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and this permit/certification/authorization as specifically described above.

SPECIFIC CONDITIONS - PRIOR TO CONSTRUCTION

1. Permittee must obtain a permit from the Department prior to beginning construction of subsequent phases or any other work associated with this project not specifically authorized by this permit.

SPECIFIC CONDITIONS – CONSTRUCTION ACTIVITIES

2. Turbidity must be controlled to prevent violations of water quality pursuant to Rule 62-302-530(69), Florida Administrative Code. Turbidity shall not exceed 29 Nephelometric Turbidity Units above natural background conditions. Turbidity barriers shall be correctly installed at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the proposed work. It is understood that "receiving waterbody" shall not be construed to mean the permittee's settling pond, dredge lake, or other parts of the permittee's closed water system. Turbidity barriers shall remain in place at all locations until construction is completed, soils are stabilized, and vegetation has been established.

Upon final completion of the project and upon reasonable assurance that the project is no longer a potential turbidity source, the permittee will be responsible for the removal of the barriers.

SPECIFIC CONDITIONS – INSPECTION REPORTS

3. Inspection reports for retention, underdrain, wet detention, swales, and wetland stormwater management systems shall be submitted to the Department two years after completion of construction and every two years thereafter on the enclosed form [DEP Form 62-343.900(6)].
4. Copies of all turbidity monitoring reports shall be provided to the Department on a monthly basis. Reports shall be submitted to the letterhead address.

SPECIFIC CONDITIONS – CONSTRUCTION DETAILS

5. Before any offsite discharge from the stormwater management system occurs, the retention and detention storage must be excavated to rough grade prior to building construction or placement of impervious surface within the area served by those systems.
6. Adequate measures must be taken to prevent siltation of these treatment systems and control structures during construction or siltation must be removed prior to final grading and stabilization.
7. All material used as fill shall be clean material and shall not be contaminated with vegetation, garbage, trash, tires, hazardous, toxic waste or other materials that are not suitable for road construction within waters of the State as so determined by the Department.

SPECIFIC CONDITIONS – EROSION CONTROL MEASURES

8. The following measures shall be taken to minimize erosion:
 - A. Swales and dry ponds: sodding of all side slopes; seeding and mulching of flat-lying bottom areas;
 - B. Berms and other disturbed flat-lying areas: seed and mulch.

Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than seven (7) days after the construction activity in that portion of the site has temporarily or permanently ceased.

9. All wetland areas or water bodies, which are outside of the specific limits of construction authorized by this permit must be protected from erosion, siltation, scouring or excess turbidity and dewatering.
10. All turbidity control devices shall be removed from the project area once the disturbed areas have been stabilized or revegetated so that erosion will not occur. The turbidity control devices shall be removed no later than one year from completion of the project. All turbidity control devices shall be disposed of in an upland disposal area.

SPECIFIC CONDITIONS – MAINTENANCE ACTIVITIES

11. The following maintenance activities shall be performed as needed on
 - A. All permitted systems:
 - 1) Removal of trash and debris;
 - 2) Inspection of inlets and outlets;

- 3) Removal of sediments when the storage volume or conveyance capacity of the stormwater management system is below design levels; and
 - 4) Stabilization and restoration of eroded areas.
- B. Retention, swale, and underdrain systems:
- 1) Mowing and removal of grass clippings;
 - 2) Aeration, tilling, or replacement of topsoil; and
 - 3) Re-establishment of vegetation on disturbed surfaces.
- C. Wet detention systems:
- 1) Replanting of natural vegetation within the littoral zone; and
 - 2) Control of nuisance and exotic vegetation.
12. If the system is not functioning as designed and permitted, operational maintenance must be performed immediately to restore the system. If operational maintenance measures are insufficient to enable the system to meet the design and performance standards of this chapter, the permittee must either replace the system or construct an alternative design. A permit modification must be obtained from the Department prior to constructing such an alternate design pursuant to section 40C-4.331, F.A.C.

SPECIFIC CONDITIONS – DEWATERING

13. If dewatering is to occur during any phase of construction or thereafter and discharge is to on-site or off-site surface waters of the State, either directly or via a stormwater management system, a generic permit in accordance with Rule 62-621.300, F.A.C., will be required prior to any dewatering.
14. If dewatering is to occur during any phase of construction or thereafter and the surface water pump(s), wells or facilities are capable of withdrawing 1 million gallons of water per day (MGD) or more, a consumptive use permit in accordance with Rule 40C-2.041, F.A.C., may be required from the St. Johns River Water Management District (SJRWMD) prior to beginning any dewatering.
15. A plan for routing of discharge water must be submitted to the DEP Central district Office for approval prior to commencement of dewatering.

SPECIFIC CONDITIONS – EARTH WORK

16. If during the progress of this project prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures are encountered at any time within the project site area, work should cease in the immediate vicinity of such discoveries. The permittee, or other designee, should contact the Florida Department of State, Division of Historical Resources, Review and Compliance Section at 850/245-6333, or (800) 847-7278, as well as the appropriate permitting agency office. Project activities should not resume without verbal and/or written authorization from the Division of Historical Resources.
17. In the event that any unmarked human remains are encountered anywhere on the subject property, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, Florida Statutes. The permittee, or other designee, should contact the authority

cited in this Section. Thereafter, project activities should not resume without verbal and/or written authorization from the designated official.

GENERAL CONDITIONS

18. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.
19. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by Department staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.
20. Activities approved by this permit shall be conducted in a manner which does not cause violations of state water quality standards.
21. Prior to and during construction, the permittee shall implement and maintain all erosion and sediment control measures (best management practices) required to retain sediment on-site and to prevent violations of state water quality standards. All practices must be in accordance with the guidelines and specifications in chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (Florida Department of Environmental Regulation 1988), unless a project specific erosion and sediment control plan is approved as part of the permit, in which case the practices must be in accordance with the plan. If site specific conditions require additional measures during any phase of construction or operation to prevent erosion or control sediment, beyond those specified in the erosion and sediment control plan, the permittee shall implement additional best management practices as necessary, in accordance with the specifications in chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (Florida Department of Environmental Regulation 1988). The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.
22. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than seven days after the construction activity in that portion of the site has temporarily or permanently ceased.
23. **At least 48 hours prior to commencement of activity** authorized by this permit, the permittee shall submit to the Department an "Environmental Resource Permit Construction Commencement" notice (Form No. 62-343.900(3), F.A.C., copy enclosed) indicating the actual start date and the expected completion date. The form can be downloaded from <http://www.dep.state.fl.us/water/wetlands/erp/forms.htm>.
24. When the duration of construction will exceed one year, the permittee shall submit construction status reports to the Department on an annual basis utilizing an "Annual Status Report Form" (Form No. 62-343.900(4), F.A.C.). The form can be downloaded from <http://www.dep.state.fl.us/water/wetlands/erp/forms.htm>. Reports shall be submitted during June of each year.
25. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of

- site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.
26. For those systems which will be operated or maintained by an entity which will require an easement or deed restriction in order to provide that entity with the authority necessary to operate or maintain the system, such easement or deed restriction, together with any other final operation or maintenance documents as are required by subsections 7.1.1 through 7.1.4 of the Applicant's Handbook: Management and Storage of Surface Waters (Applicant's Handbook), must be submitted to the Department for approval. Documents meeting the requirements set forth in these subsections of the Applicant's Handbook will be approved. Deed restrictions, easements and other operation and maintenance documents which require recordation either with the Secretary of State or the Clerk of the Circuit Court must be so recorded prior to lot or unit sales within the project served by the system, or upon completion of construction of the system, whichever occurs first. For those systems which are proposed to be maintained by county or municipal entities, final operation and maintenance documents must be received by the Department when maintenance and operation of the system is accepted by the local governmental entity. Failure to submit the appropriate final documents referenced in this paragraph will result in the permittee remaining liable for carrying out maintenance and operation of the permitted system.
 27. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the conditions in paragraphs (8 and 9) above, the Department determines the system to be in compliance with the permitted plans, and the entity approved by the Department in accordance with subsections 7.1.1 through 7.1.4 of the Applicant's Handbook accepts responsibility for operation and maintenance of the system. The permit may not be transferred to such an approved operation and maintenance entity until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the Department, the permittee shall request transfer of the permit to the responsible approved operation and maintenance entity, if different from the permittee. Until the permit is transferred pursuant to section 7.1 of the Applicant's Handbook, and Section 62-343.110(1)(d), F.A.C., the permittee shall be liable for compliance with the terms of the permit.
 28. This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and chapter 40C-4 or chapter 40C-40, F.A.C.
 29. The permittee shall notify the Department in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of section 62-343.130, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.

30. Should any other regulatory agency require changes to the permitted system, the permittee shall provide written notification to the Department of the changes prior to implementation so that a determination can be made whether a permit modification is required.
31. Within 30 days after completion of construction of the permitted system, or independent portion of the system, the permittee shall **submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, utilizing "Environmental Resource Permit As-Built Certification by a Registered Professional" (Form No. 62-343.900(5), F.A.C.)** supplied with this permit. When the completed system differs substantially from the permitted plans, any substantial deviations shall be noted and explained and two copies of as-built drawings submitted to the Department. Submittal of the completed form shall serve to notify the Department that the system is ready for inspection. The statement of completion and certification shall be based on on-site observation of construction (conducted by the registered professional engineer, or other appropriate individual as authorized by law, or under his or her direct supervision) or review of as-built drawings for the purpose of determining if the work was completed in compliance with approved plans and specifications. As-built drawings shall be the permitted drawings revised to reflect any changes made during construction. Both the original and any revised specifications must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawing. All surveyed dimensions and elevations shall be certified by a registered surveyor. The following information, at a minimum, shall be verified on the as-built drawings:
- A. Dimensions and elevations of all discharge structures including all weirs, slots, gates, pumps, pipes, and oil and grease skimmers;
 - B. Locations, dimensions, and elevations of all filter, exfiltration, or underdrain systems including cleanouts, pipes, connections to control structures, and points of discharge to the receiving waters;
 - C. Dimensions, elevations, contours, or cross-sections of all treatment storage areas sufficient to determine stage-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems, when appropriate;
 - D. Dimensions, elevations, contours, final grades, or cross-sections of the system to determine flow directions and conveyance of runoff to the treatment system;
 - E. Dimensions, elevations, contours, final grades, or cross-sections of all conveyance systems utilized to convey off-site runoff around the system;
 - F. Existing water elevation(s) and the date determined; and
 - G. Elevation and location of benchmark(s) for the survey.
32. The permittee shall hold and save the Department harmless from any and all damages, claims, or liabilities which may arise by reason of the activities authorized by the permit or any use of the permitted system.
33. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered specifically approved unless a specific condition of this permit or a formal determination under section 373.421(2), F.S., provides otherwise.

34. Upon reasonable notice to the permittee, Department authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with the plans and specifications approved by the permit
35. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the Department.
36. The permittee shall immediately notify the Department in writing of any previously submitted information that is later discovered to be inaccurate.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rule 28-106.201, F.A.C., a petition for an administrative hearing must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who has asked

the Department for notice of agency action may file a petition within 21 days of receipt of such notice, regardless of the date of publication. The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, before the applicable deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation

Mediation is not available in this proceeding.

FLAWAC Review

The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when the order is filed with the Clerk of the Department.

Judicial Review

Any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, M.S. 35, Tallahassee, Florida 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this action is filed with the Clerk of the Department.

Executed in Orange, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



David Herbster
Program Administrator
Submerged Lands & Environmental
Resource Program

Date: October 20, 2011

Attachments:

Project Drawings and Design Specs., 7 pages
Commencement notice/62-343.900(3)
As-built certification/62-343.900(5)
Inspection certification/62-343.900(6)
Transfer construction to operation phase/62-343.900(7)

Copies furnished to:

DEP, Office of General Counsel
John Julianna, SJRWMD (jjulianna@sjrwmd.com)
Carol Noble, CPA (cnoble@portcanaveral.com)
File

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this permit, including all copies, were mailed before the close of business on October 20, 2011, to the above listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, under 120.52(7) of the Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.



Clerk

October 20, 2011

Date

CANAVERAL PORT AUTHORITY OPS ADMINISTRATION BUILDING AND FIRE STATION

PORT CANAVERAL, FLORIDA

PREPARED FOR:

CANAVERAL PORT AUTHORITY

DATE:

AUGUST 31, 2011

CPA PROJECT # CN 11-006



PORT
CANAVERAL

PORT CANAVERAL COMMISSIONERS:

JOE D. MATHENY - CHAIRMAN

R. BRUCE DEARDOFF - VICE CHAIRMAN

THOMAS W. WEINBERG - SECRETARY

JERRY W. ALLENDER - COMMISSIONER

FRANK E. SULLIVAN - COMMISSIONER

CIVIL INDEX OF DRAWINGS:

G-1	CIVIL COVER SHEET
G-2	STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
C-1	EXISTING CONDITIONS AND DEMOLITION PLAN
C-2	SITE AND UTILITY PLAN
C-3	GRADING AND DRAINAGE PLAN
C-4	DETAILS
C-5	DETAILS
C-6	CITY OF COCOA BEACH UTILITY DETAILS
C-7	CITY OF COCOA DETAILS - WATER
C-8	CITY OF COCOA TECHNICAL PROVISIONS - WATER
C-9	SPECIFICATIONS
L-1	LANDSCAPE PLANTING PLAN
L-2	LANDSCAPE PLANTING DETAILS

GENERAL NOTES: (ALL DRAWINGS)

- SEE TYPICAL DETAILS ON FOLLOWING SHEETS FOR ADDITIONAL CONSTRUCTION DETAIL INFORMATION.
- CONTRACTOR SHALL BECOME FAMILIAR AND COMPLY WITH ALL PERMITS AND PERMIT CONDITIONS. CONTRACTOR SHALL OBTAIN COPIES FROM CPA OR FROM THE PERMIT AGENCIES IDENTIFIED IN SPECIFICATIONS PRIOR TO COMMENCING SITE WORK.
- ALL AREAS DISTURBED OFF-SITE SHALL BE RESTORED TO EQUAL OR BETTER CONDITION THAN IN THE PRE-CONSTRUCTION CONDITION. ALL SOD SHALL BE REPLACED WITH SAME TYPE OF SOD.
- CONTRACTOR SHALL COMPLY WITH ALL RECOMMENDATIONS OF THE UNIVERSAL ENGINEERING SCIENCES SUBSURFACE EXPLORATION REPORT FOR THIS SITE. A COPY OF THE REPORT IS LOCATED IN APPENDIX 'A' OF THE CONTRACTOR'S SPECIFICATIONS.
- PROVIDE CONSTANT SLOPE BETWEEN ALL SPOT ELEVATIONS.
- ALL TRAFFIC SIGNS SHALL BE INSTALLED PER STANDARD FDOT INDEX NOS. 11865 AND 17302.
- ALL RADII ARE 5' UNLESS IDENTIFIED OTHERWISE.
- PROVIDE 36" LONG TRANSITION WITH CONSTANT SLOPE FROM TOP OF CURB TO GRADE AT TERMINATION POINT OF CURBS.
- ALL DIMENSIONS ARE TO FACE OF CURB.
- CONTRACTOR SHALL CLEAR AND GRUB ALL VEGETATION ON-SITE EXCEPT TREES SHOWN TO REMAIN ON DRAWING C-1.
- PROVIDE SILT FENCE PER FDOT INDEX NO. 102 SEE DRAWING G-2 FOR EXACT LOCATIONS.
- ALL WASTE SHALL BE DISPOSED OF OFF-SITE IN A SAFE AND LEGAL MANNER UNLESS OWNER SPECIFICALLY REQUESTS OTHERWISE.
- FOR DEMOLITION OF ALL ASPHALT AND CONCRETE MATERIALS, SAWCUT EDGES FOR SMOOTH STRAIGHT EDGE. ALSO SAWCUT ALL EXISTING PAVEMENT EDGES FOR SMOOTH STRAIGHT EDGE AT ALL TIE-IN POINTS WITH NEW PAVEMENT OR CONCRETE.
- CONTRACTOR SHALL VERIFY ON-SITE PRIOR TO BIDDING WORK THE FULL EXTENT OF DEMOLITION REQUIRED BASED ON SITE PLAN CONSTRUCTION DRAWINGS. ALL ITEMS SHALL BE INCLUDED IN BASE BID.
- REMOVE ALL ABOVE GROUND IMPROVEMENTS IN AREAS SHOWN FOR DEMOLITION UNLESS SPECIFICALLY IDENTIFIED OTHERWISE.
- ALL SLOPES 4H:1V OR STEEPER SHALL BE SODDED. ALL SLOPES STEEPER THEN 3H:1V SHALL BE SODDED AND STAKED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PUBLIC ROADWAYS, EASEMENTS, CURBS, SIDEWALKS, DRAINAGE SYSTEM, BENCHMARKS, OR UTILITIES AS A DIRECT RESULT OF CONSTRUCTION. A REGISTERED SURVEYOR SHALL RESTORE ANY DAMAGED BENCHMARKS.
- ALL EXCAVATIONS OF GREATER DEPTH THAN 5' SHALL COMPLY WITH THE CURRENT OSHA TRENCH SAFETY STANDARDS 29 C.F.R. s. 1926.650 SUBPART P. ANY EXCAVATION WITHIN THE CLEARZONE SHALL ALSO COMPLY WITH ALL WARNING AND/OR BARRIER REQUIREMENTS OF FDOT INDEX NO. 600.
- STORM DRAIN CLEANOUTS SHALL BE SIMILAR TO THE TYPICAL SANITARY SEWER CLEANOUT DETAIL.
- CONSTRUCTION ENGINEERING GROUP DOES NOT WARRANT THE ACCURACY OF THE RECORD SURVEY.

PREPARED BY:



**CONSTRUCTION
ENGINEERING
GROUP**
consulting engineers

2651 eau galie blvd., suite c
melbourne, fl 32935

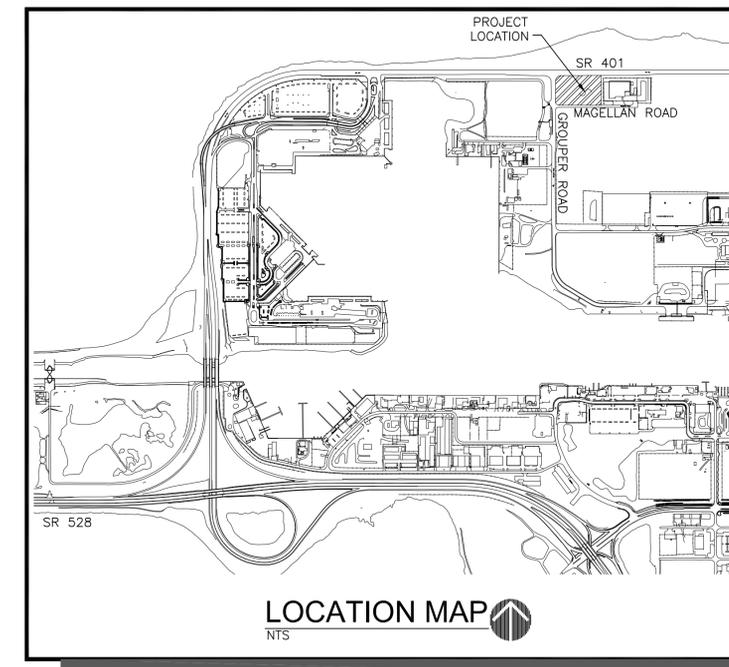
tel. 321.253.1221
fax. 321.253.3123
www.ceengineering.com
license #0008097

SITE DATA:

	SF	ACRE	PERCENT
BUILDINGS:	22,215	0.51	15
ASPHALT/CONCRETE:	56,813	1.30	39
TOTAL IMPERVIOUS AREA:	79,028	1.81	54
POND AREA (TOP OF BANK):	20,349	0.47	14
PROPOSED PERVIOUS:	45,678	1.05	32
TOTAL GROSS AREA:	145,055	3.33	100%

CIVIL LEGEND:

DESCRIPTION	NEW
ASPHALTIC PAVEMENT	
CONCRETE	
DEMOLITION	
SILT FENCE	
DRY RETENTION POND CONTOUR	
CHAIN LINK FENCE WITH BARBWIRE	
STORM DRAIN W/ INLET	
SANITARY SEWER LINE	
WATER LINE	
FIRE WATER LINE	
FIRE HYDRANT AND GATE VALVE	
FIRE DEPARTMENT CONNECTION	
SPOT ELEVATION	
SWALE OR FLOW DIRECTION	
FLAG NOTE	
TRUNCATED DOMES	
HANDICAP RAMP	



PSGP GRANT #2009-PU-T9-K021
CPA PERMIT #11-CPA-006

REVISION

DATE

CONSTRUCTION
ENGINEERING
GROUP



CANAVERAL PORT AUTHORITY
OPS ADMINISTRATION BUILDING AND FIRE STATION
CANAVERAL PORT AUTHORITY, PORT CANAVERAL, FL
DRAWING TITLE
CIVIL COVER SHEET

DATE

SCALE

PROJ. NO. :

DESIGNED BY:

DRAWN BY:

CHECKED BY:

DRAWING NO.

G-1

NOTES:

- 2-1. REMOVE EXISTING TREE AND ROOT BALL COMPLETELY.
- 2-2. REMOVE EXISTING ASPHALT TO EXTENT NECESSARY. SAWCUT FOR SMOOTH STRAIGHT EDGE.
- 2-3. REMOVE EXISTING STRIPING BY PRESSURE WASHING. IF NECESSARY GRIND OFF PAVEMENT.
- 2-4. REMOVE EXISTING SIDEWALK FROM JOINT TO JOINT. SAWCUT FOR SMOOTH STRAIGHT EDGE.
- 2-5. REMOVE EXISTING CONCRETE PAD TO POINT SHOWN. SAWCUT FOR SMOOTH STRAIGHT EDGE.
- 2-6. REMOVE AND RELOCATE EXISTING FIRE HYDRANT. SEE DRAWING C-2 FOR NEW LOCATION.
- 2-7. REMOVE EXISTING 4" CLEANOUT.
- 2-8. REMOVE AND REUSE EXISTING FENCE AND GATES. SEE DRAWING C-2 FOR NEW FENCE CONFIGURATION AT LIFT STATION.
- 2-9. REMOVE AND RELOCATE EXISTING STORM INLET. SEE DRAWING C-2 FOR NEW LOCATION.
- 2-10. REMOVE EXISTING BLOWOFF AND 8" PLUG. COORDINATE ALL SHUT-DOWNS WITH POLICE CHIEF AND CPA. SEE DRAWING C-2 FOR ADDITIONAL INFORMATION.
- 2-11. EXISTING STORM PONDS TO BE REGRADED. SEE DRAWING C-3 FOR NEW POND CONFIGURATIONS.
- 2-12. CONTRACTOR SHALL PROTECT EXISTING SITE BENCHMARK. IF DISTURBED, THE BENCHMARK SHALL BE REPLACED BY A LICENSED SURVEYOR.

SURVEYOR'S ABBREVIATIONS:

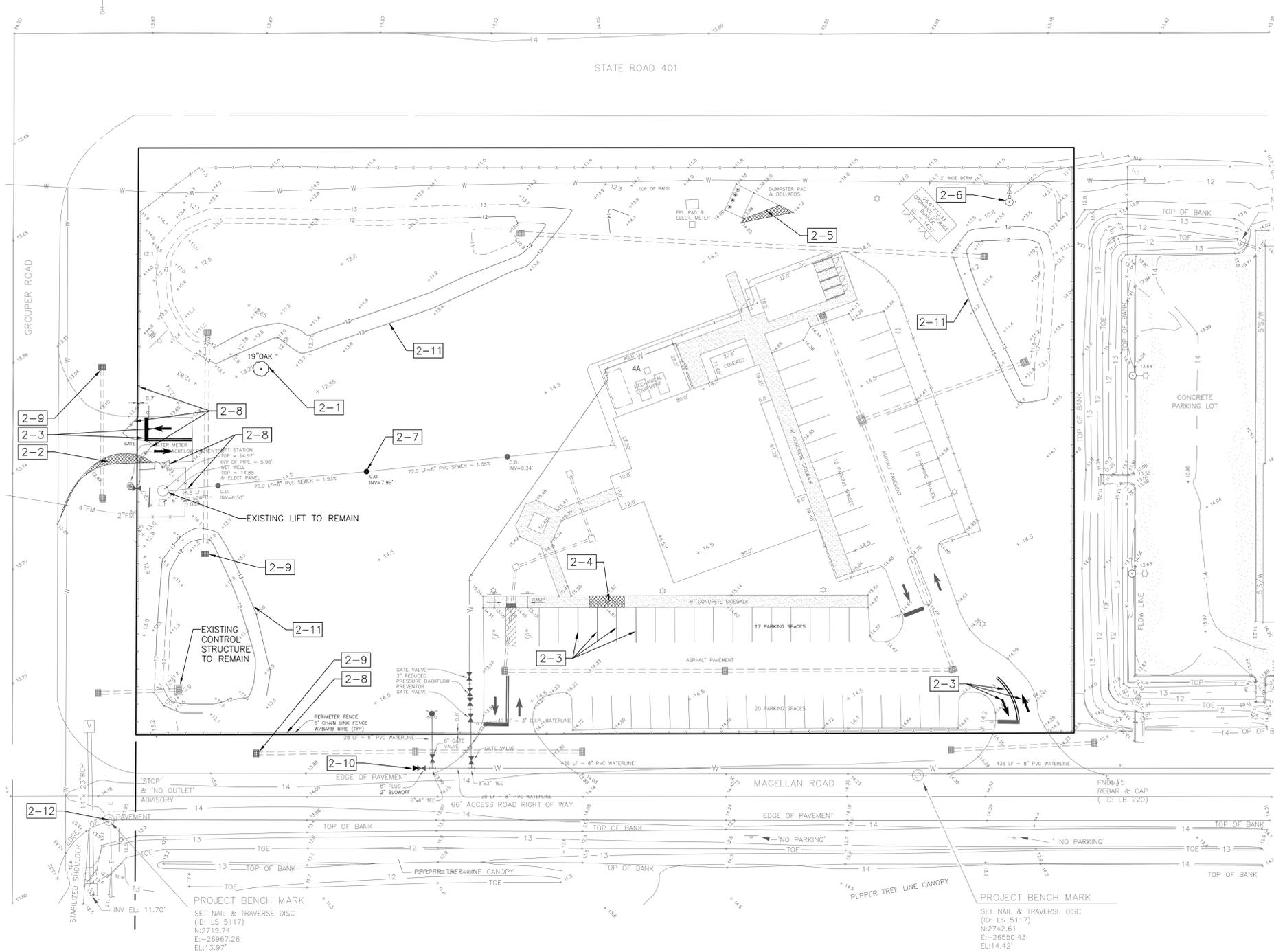
PRM	Permanent Reference Monument
PCP	Permanent Control Point
CM	Concrete Monument
PC	Point of Curvature
PT	Point of Tangency
PRC	Point of Reverse Curve
POC	Point of Compound Curvature
PI	Point of Intersection
RAD	Radius
DEL	Delta Or Central Angle
ARC	Length of Curve
FD	Found
C/L	Centerline
R/W	Right of Way
P/L	Property Line
CBS	Concrete Block Structure
FR	Frame
CONC	Concrete
A/C	Air Conditioner
WP	Wood Power Pole
FH	Fire Hydrant
C&G	Curb And Gutter
EP	Edge Of Pavement
WM	Water Meter
POL	Point On Line
MEAS	Measured Distance
P	Measurement On Plat
FFE	Finish Floor Elevation
FFR	Fixed Reference Point
NVD	National Geodetic Vertical Datum
BM	Bench Mark
BP	Building Permit
ELEV	Elevation
MH	Manhole
PB	Plot Book
SF	Base Flood Elevation
LB	Licensed Business
LS	Professional Land Surveyor
FIRM	Federal Insurance Rate Map
P.O.C.	Point of Commencement
P.O.B.	Point of Beginning

SURVEYOR'S LEGEND:

●	BOLLARD
☆	LIGHT POLE
—	SIGN
→	DIRECTIONAL ARROW
—	STOP BAR
—	DOUBLE YELLOW LINE
1	STRUCTURE NUMBER

SURVEYOR'S NOTES:

1. The Specific Purpose of this survey is to show the newly constructed improvements as shown hereon.
2. Elevations shown hereon are based on the Project Benchmark as shown on the Engineering Plans prepared by Construction Engineering Group, dated 02/09/10.



EXISTING CONDITIONS AND DEMOLITION PLAN
1"=30'



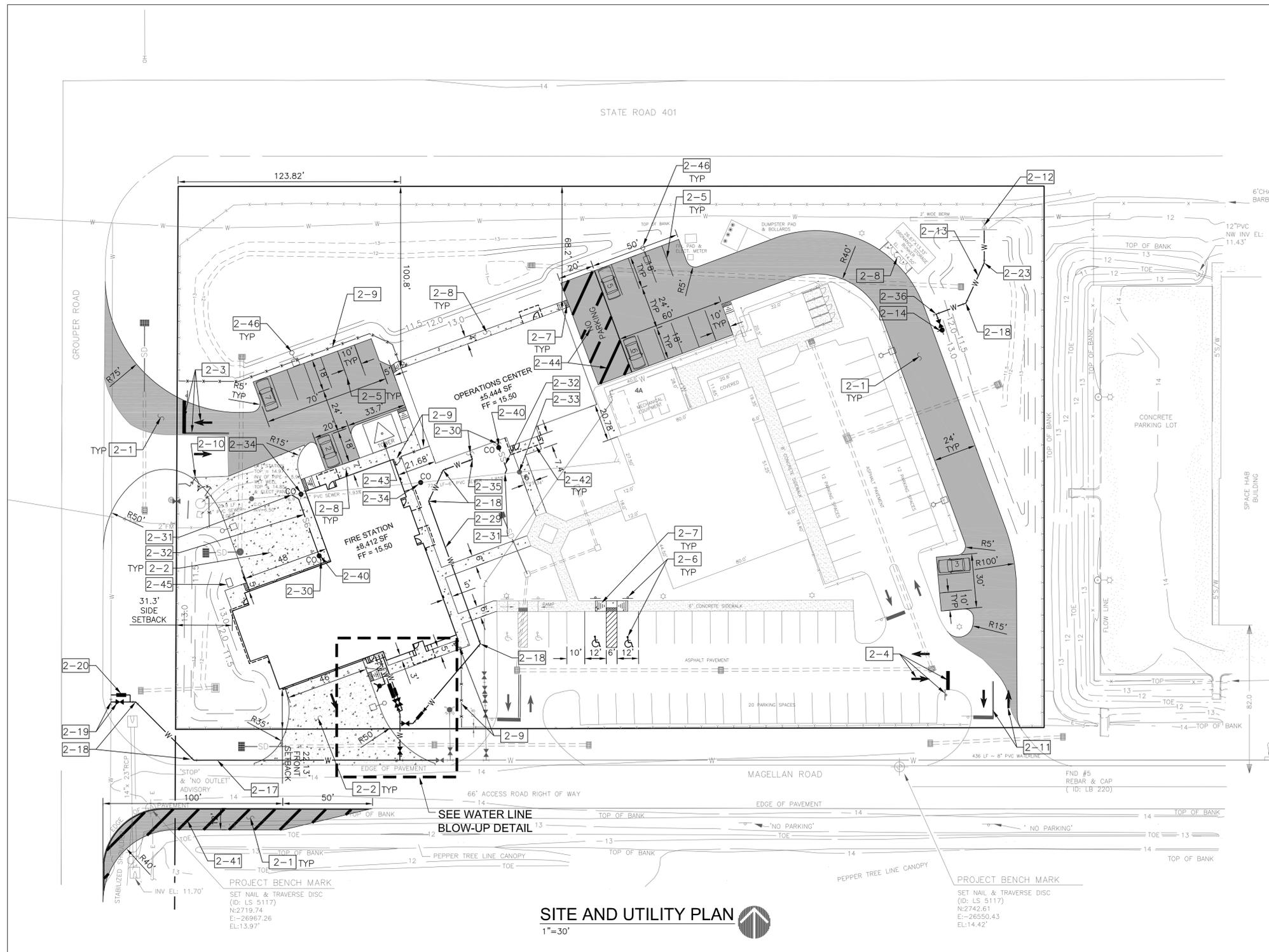
REV#	DATE	REVISION

2651 eou/cel/bs/...
mdu/burns 11.32035
Tel: 321.253.1201
Fax: 321.253.1233
www.cegroup.com
license #03897

CONSTRUCTION ENGINEERING GROUP
consulting engineers

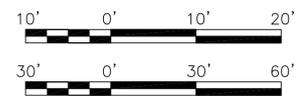
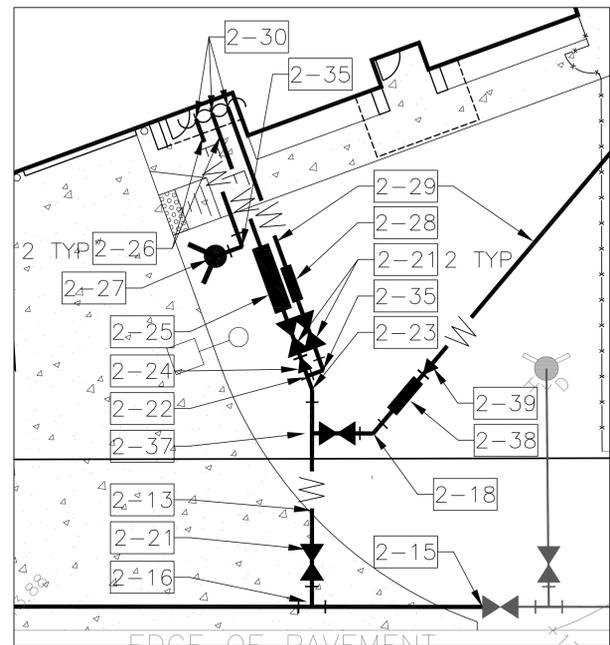
**CANAVERAL PORT AUTHORITY
OPS ADMINISTRATION BUILDING AND FIRE STATION**
CANAVERAL PORT AUTHORITY, PORT CANAVERAL, FL
DRAWING TITLE
EXISTING CONDITIONS AND DEMOLITION PLAN

DATE: 8-31-11
SCALE: 1"=30'
PROJ. NO.: 110042
DESIGNED BY: DMT
DRAWN BY: NCW
CHECKED BY: JTW
DRAWING NO. C-1



NOTES:

- 2-1. PROVIDE ASPHALTIC PAVEMENT. SEE TYPICAL DETAIL.
- 2-2. PROVIDE 8" THICK CONCRETE PAVEMENT WITH THICKENED EDGE. SEE TYPICAL DETAIL AND DRIVEWAY JOINT PLAN ON DRAWING C-5.
- 2-3. PROVIDE 24" WIDE WHITE THERMOPLASTIC STOP BAR, 25 LF OF 6" THERMOPLASTIC DOUBLE YELLOW LINES, WHITE THERMOPLASTIC DIRECTIONAL ARROWS AND STOP SIGN PER MUTCD R1-1.
- 2-4. PROVIDE PAINTED WHITE 24" WIDE STOP BAR, DIRECTIONAL ARROWS AND STOP SIGN PER MUTCD R1-1.
- 2-5. PROVIDE 4" WIDE WHITE PAINTED STRIPE.
- 2-6. PROVIDE HANDICAP PARKING SPACE. SEE TYPICAL DETAILS.
- 2-7. PROVIDE 6' LONG, MAX. 6" RISE HANDICAP ACCESSIBLE RAMP WITH BRICK RED TRUNCATED DOMES. SEE TYPICAL DETAIL.
- 2-8. PROVIDE 4" THICK CONCRETE SIDEWALK. PROVIDE RAISED SIDEWALK WITH THICKENED EDGE ADJACENT TO PARKING AREAS. SEE TYPICAL DETAILS.
- 2-9. PROVIDE 6' HIGH CHAIN LINK FENCE AND 4' WIDE LOCKABLE PEDESTRIAN GATES WITH THREE STRANDS OF BARBED WIRE AS SHOWN. SEE TYPICAL DETAIL.
- 2-10. CONTRACTOR SHALL REINSTALL DOUBLE GATE AND CHAIN LINK FENCE AROUND EXISTING LIFT STATION AS SHOWN.
- 2-11. PROVIDE 20 LF OF 6" THERMOPLASTIC DOUBLE YELLOW LINES AND THERMOPLASTIC WHITE DIRECTIONAL ARROWS.
- 2-12. MAKE APPROPRIATE CONNECTION AT EXISTING 6" VALVE. COORDINATE WITH THE CITY OF COCOA.
- 2-13. PROVIDE 6" PVC WATER LINE.
- 2-14. RELOCATE EXISTING FIRE HYDRANT ASSEMBLY. SEE TYPICAL DETAIL.
- 2-15. REMOVE EXISTING BLOWOFF AND 8" PLUG. MAKE APPROPRIATE CONNECTION TO EXISTING 8" PVC WATER LINE. EXISTING VALVE SHOULD REMAIN CLOSED UNTIL FDEP CLEARANCE HAS BEEN ISSUED.
- 2-16. PROVIDE 8"x6" TEE.
- 2-17. PROVIDE 8" PVC WATER LINE.
- 2-18. PROVIDE 45° BEND.
- 2-19. PROVIDE 12"x8" TAPPING SLEEVE AND VALVE. TAPPING CONTRACTOR MUST BE APPROVED BY THE CITY OF COCOA. SEE TYPICAL DETAIL.
- 2-20. PROVIDE TEMPORARY JUMPER CONNECTION AND METER ASSEMBLY. SEE TYPICAL DETAIL.
- 2-21. PROVIDE RESILIENT SEAT GATE VALVE AND VALVE BOX. SEE TYPICAL DETAIL.
- 2-22. PROVIDE 6"x3" TEE.
- 2-23. PROVIDE 22.5° BEND.
- 2-24. PROVIDE 6"x4" REDUCER.
- 2-25. PROVIDE 4" DOUBLE DETECTOR CHECK VALVE ASSEMBLY. SEE TYPICAL DETAIL.
- 2-26. PROVIDE 4" PVC FIRE WATER LINE.
- 2-27. PROVIDE FIRE DEPARTMENT CONNECTION. SEE TYPICAL DETAIL.
- 2-28. PROVIDE 2" METER AND 3" REDUCED PRESSURE BACKFLOW PREVENTER (RPBP). THE METER AND RPBP ASSEMBLY SHALL BE INSTALLED ABOVEGROUND PER THE CITY OF COCOA'S STANDARDS. THE 3" RPBP SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL PAY THE CITY FOR THE METER AND INSTALLATION. COORDINATE WITH THE CITY OF COCOA AS REQUIRED.
- 2-29. PROVIDE 2" PVC WATER SERVICE TO BUILDING.
- 2-30. SEE PLUMBING OR FIRE PROTECTION DRAWINGS FOR CONTINUATION.
- 2-31. PROVIDE CUT-IN 6"x4" WYE. COORDINATE SHUT-DOWN TIME WITH POLICE CHIEF AND CANAVERAL PORT AUTHORITY.
- 2-32. PROVIDE 4" PVC SEWER SERVICE. SLOPE AT 1% MINIMUM.
- 2-33. ADJUST CLEANOUT VALVE BOX TO BE FLUSH WITH NEW SIDEWALK.
- 2-34. INSTALL NEW 4" CLEANOUT IN EXISTING 6" PVC SEWER SERVICE. INSTALL TRAFFIC BEARING CLEANOUT IN DRIVEWAY. COORDINATE SHUT DOWN TIME WITH POLICE CHIEF AND CANAVERAL PORT AUTHORITY.
- 2-35. PROVIDE 90° BEND.
- 2-36. PROVIDE 6" HYDRANT TEE, CAP WEST SIDE OF TEE.
- 2-37. PROVIDE 6"x1" BRONZE SERVICE SADDLE WITH 1" CORPORATION STOP. PROVIDE 1" TYPE "K" COPPER WITH FLARE X FLARE CURB STOP.
- 2-38. PROVIDE 1" METER AND REDUCED PRESSURE BACKFLOW PREVENTER (RPBP). THE CITY OF COCOA SHALL SUPPLY AND INSTALL THE METER AND RPBP ASSEMBLY. THE CONTRACTOR SHALL PAY THE CITY FOR THE METER AND RPBP. COORDINATE WITH THE CITY OF COCOA AS REQUIRED.
- 2-39. PROVIDE 2"x1" REDUCER.
- 2-40. PROVIDE CLEANOUT IN GRASS OR TRAFFIC BEARING IN PAVEMENT. SEE TYPICAL DETAIL.
- 2-41. PROVIDE 6" PAINTED WHITE PERIMETER STRIPE, 18" PAINTED 45° STRIPES SPACED 10' O.C.
- 2-42. CANOPY. SEE ARCHITECTURAL DRAWINGS FOR DETAIL.
- 2-43. FUTURE TOWER BY OTHERS. NO IN CONTRACT.
- 2-44. PROVIDE 6" PAINTED WHITE PERIMETER STRIPE, 45° ANGLED 1.5' STRIPES SPACED 10' O.C. AND NO PARKING TEXT.
- 2-45. TRANSFORMER PAD. SEE ELECTRICAL DRAWINGS FOR COORDINATION.
- 2-46. PROVIDE LIGHT POLE. SEE ELECTRICAL DRAWINGS FOR COORDINATION.



REVISION		2451 8th Avenue Blvd., Suite 100 Melbourne, FL 32935 Tel: 321.253.1201 Fax: 321.253.1233 www.ccpengineering.com License #030897	CONSTRUCTION ENGINEERING GROUP consulting engineers
DATE			
REV#		CANAVERAL PORT AUTHORITY OPS ADMINISTRATION BUILDING AND FIRE STATION CANAVERAL PORT AUTHORITY, PORT CANAVERAL, FL DRAWING TITLE SITE AND UTILITY PLAN	
DATE		8-31-11	
SCALE		PER PLAN	
PROJ. NO.:		110042	
DESIGNED BY:		DMT	
DRAWN BY:		NCW	
CHECKED BY:		JTW	
DRAWING NO.		C-2	

NOTES:

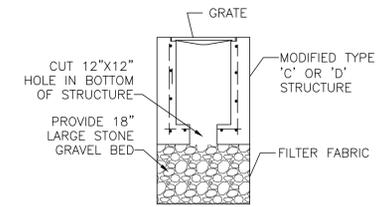
- 2-1. GRADE TO DRAIN INTO INLET WITH CONSTANT SLOPE FROM SIDEWALK.
- 2-2. MAINTAIN EXISTING SWALE AND POSITIVE DRAINAGE INTO STORM POND.
- 2-3. PROVIDE BUBBLE-UP STRUCTURE. SEE TYPICAL DETAIL.
- 2-4. RELOCATED TYPE "C" STRUCTURE. PROVIDE 37 LF OF 18" RCP. SEE STORM STRUCTURE TABLE. MAKE APPROPRIATE CONNECTION TO EXISTING CONCRETE PIPE.
- 2-5. RELOCATED TYPE "C" STRUCTURE. PROVIDE 26 LF OF 18" RCP. SEE STORM STRUCTURE TABLE. MAKE APPROPRIATE CONNECTION TO EXISTING CONCRETE PIPE.

STORM STRUCTURE TABLE:

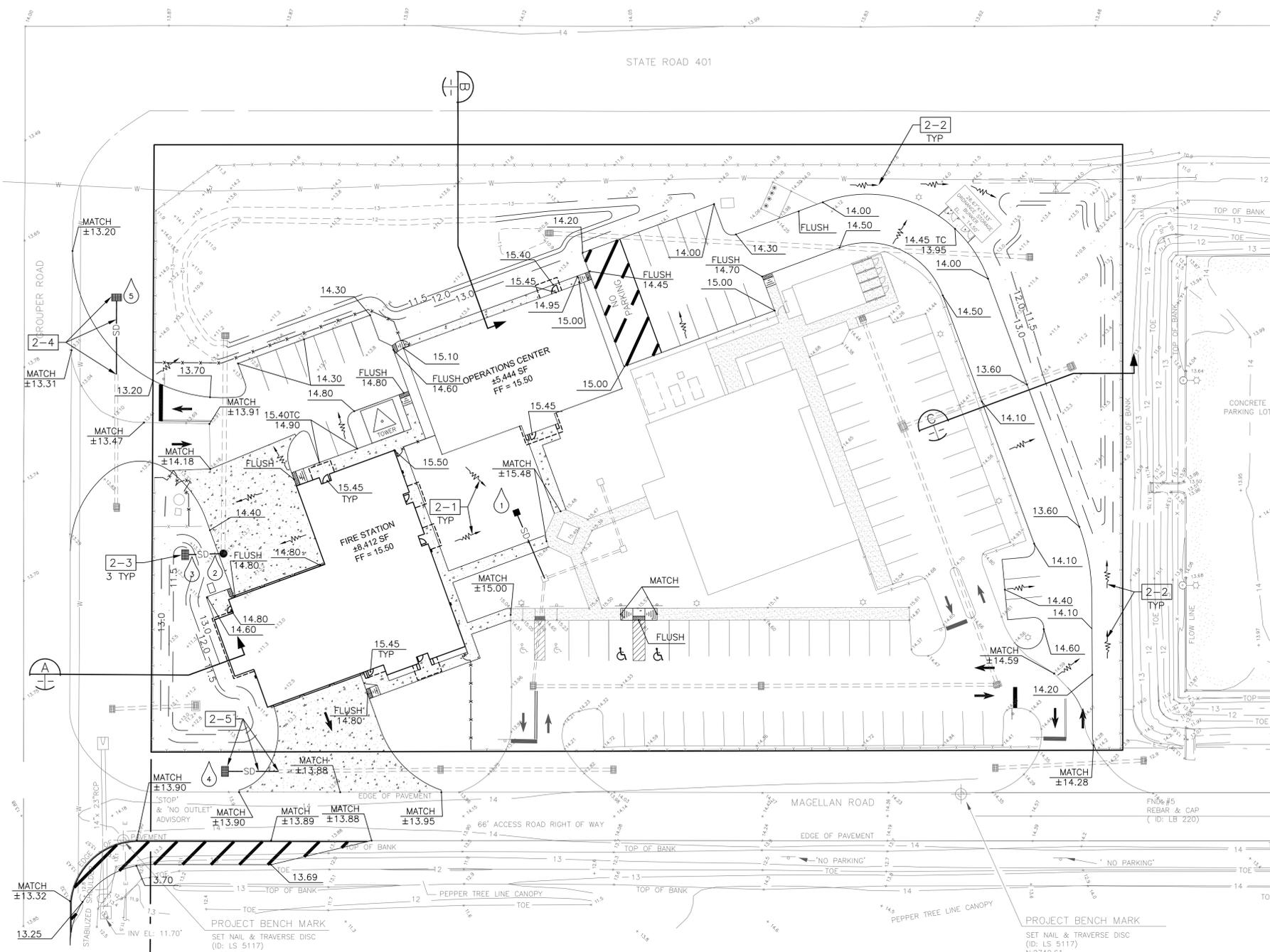
NO.	TYPE	FDOT INDEX NO.	RIM ELEVATION	INVERT ELEVATION	DOWNSTREAM STRUCTURE NO.	PIPE SIZE	PIPE LENGTH	COMMENTS
1	AREA DRAIN	-	14.50	11.10	EXISTING	12"	36'	NYLOPLAST DRAIN
2	MH	200/201	14.50	6.00	-	24"	20'	-
3	C	232	11.50	5.80	-	-	-	BUBBLE-UP
4	C	232	11.50	9.20	-	18"	26'	-
5	C	232	11.50	9.25	-	18"	37'	-

STORM DRAIN STRUCTURE NOTES:

- 1. ALL STRUCTURES SHALL BE MINIMUM 6" DEEPER THEN LOWEST PIPE INVERT.
- 2. ALL GRATES SHALL BE GALVANIZED STEEL WITH H-20 LOADING, UNLESS OTHERWISE NOTED.
- 3. ALL STORM PIPE SHALL BE RCP AND WRAP ALL STORM DRAIN PIPE JOINTS. SEE TYPICAL DETAIL.
- 4. AREA DRAINS SHALL BE MANUFACTURED BY NYLOPLAST, 24" DIAMETER DUCTILE IRON GRATES WITH H-25 LOADING. PROVIDE 24" WIDE BY 6" THICK CONCRETE COLLAR AROUND EACH INLET.

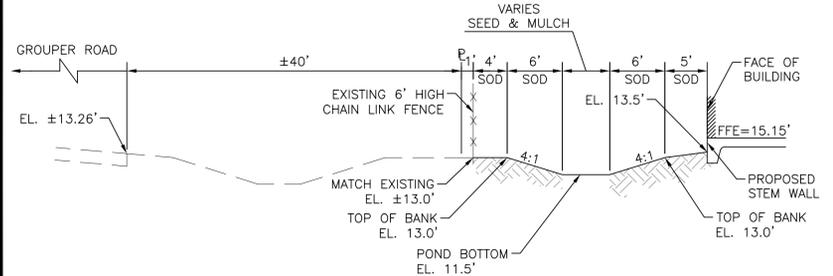


TYPICAL BUBBLE UP DETAIL
NTS

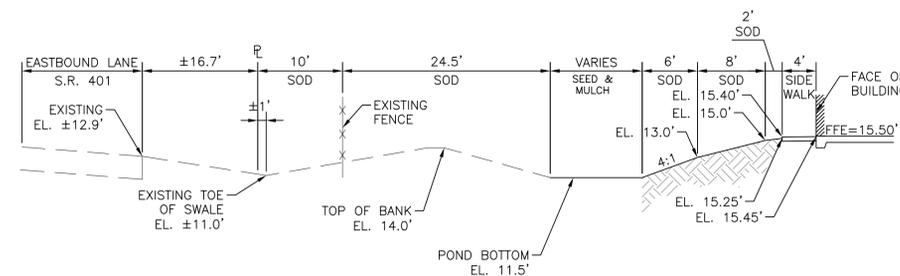


PAVING AND DRAINAGE PLAN

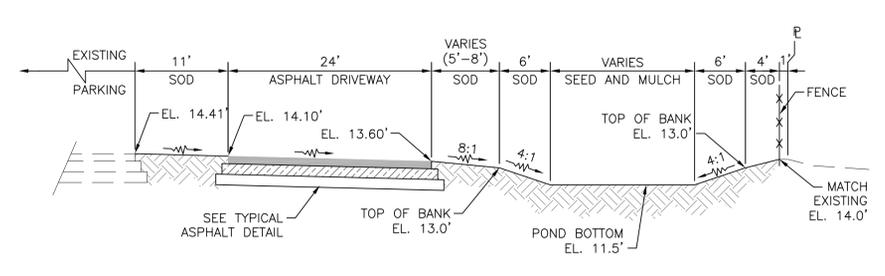
1"=30'



SECTION A
NTS



SECTION B
NTS



SECTION C
NTS

REVISION	DATE	REV'D

2651 evo@cegroup.com
mduke@cegroup.com
Tel: 201.253.1201
Fax: 201.253.1233
www.cegroup.com
license #00897

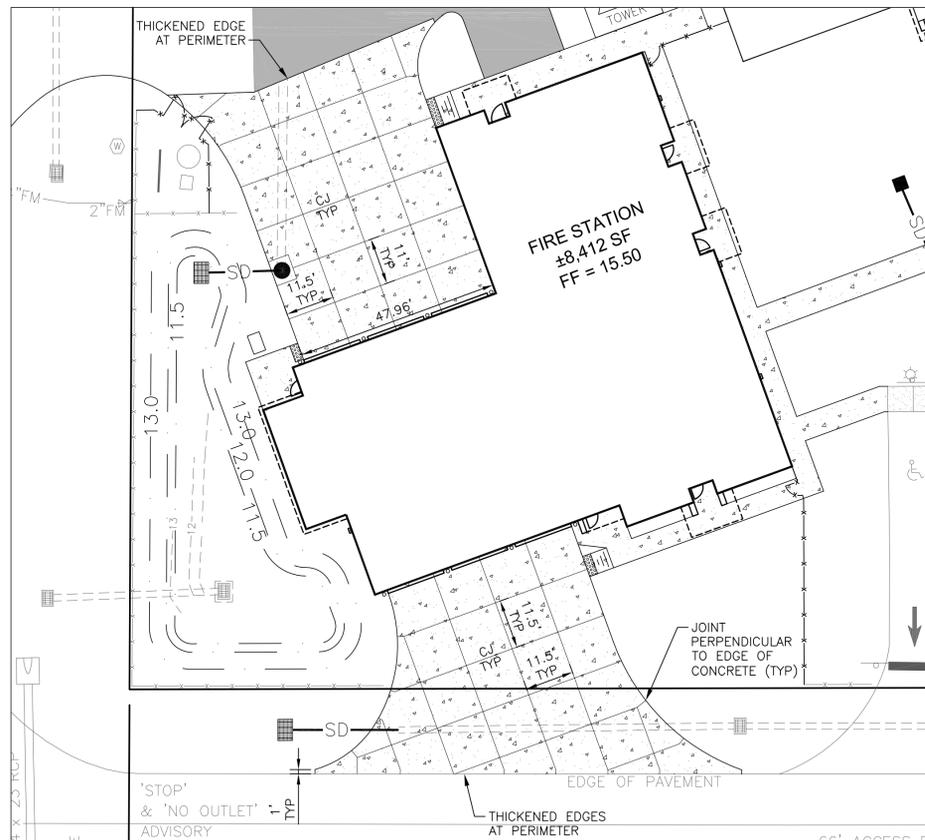
CONSTRUCTION ENGINEERING GROUP
consulting engineers

**CANAVERAL PORT AUTHORITY
OPS ADMINISTRATION BUILDING AND FIRE STATION**

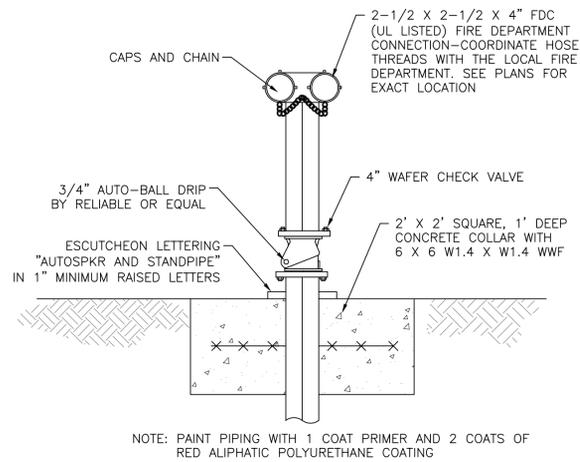
CANAVERAL PORT AUTHORITY, PORT CANAVERAL, FL
DRAWING TITLE
PAVING AND DRAINAGE PLAN

DATE 8-31-11
SCALE 1"=30'
PROJ. NO. 110042
DESIGNED BY: DMT
DRAWN BY: NCW
CHECKED BY: JTW
DRAWING NO.

C-3

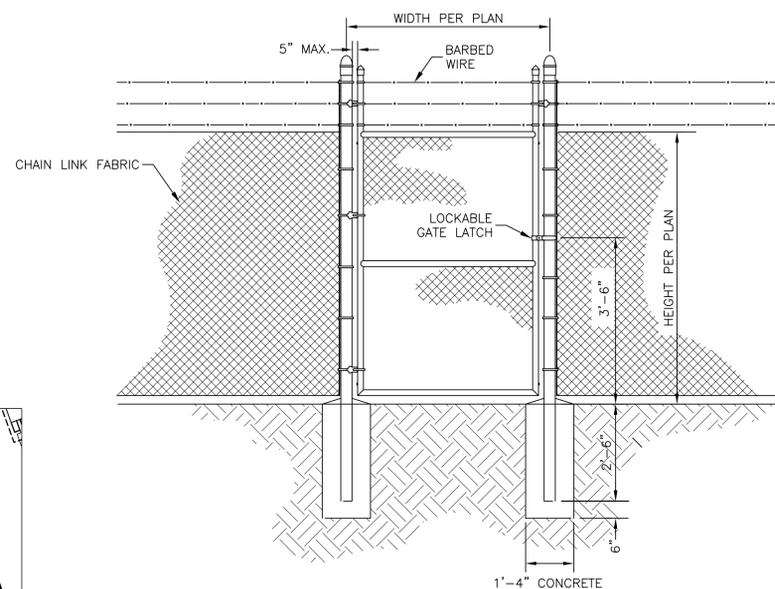


DRIVEWAY JOINT PLAN
1"=20'



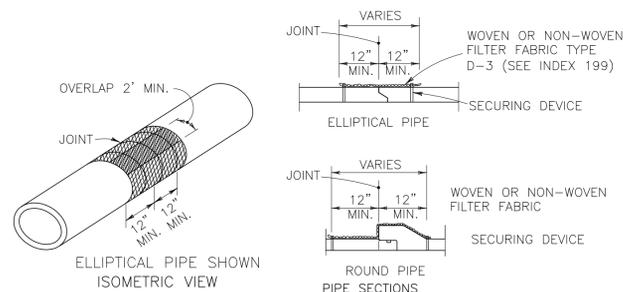
NOTE: PAINT PIPING WITH 1 COAT PRIMER AND 2 COATS OF RED ALIPHATIC POLYURETHANE COATING

TYPICAL DOUBLE SIAMESE FIRE DEPARTMENT CONNECTION DETAIL
NTS



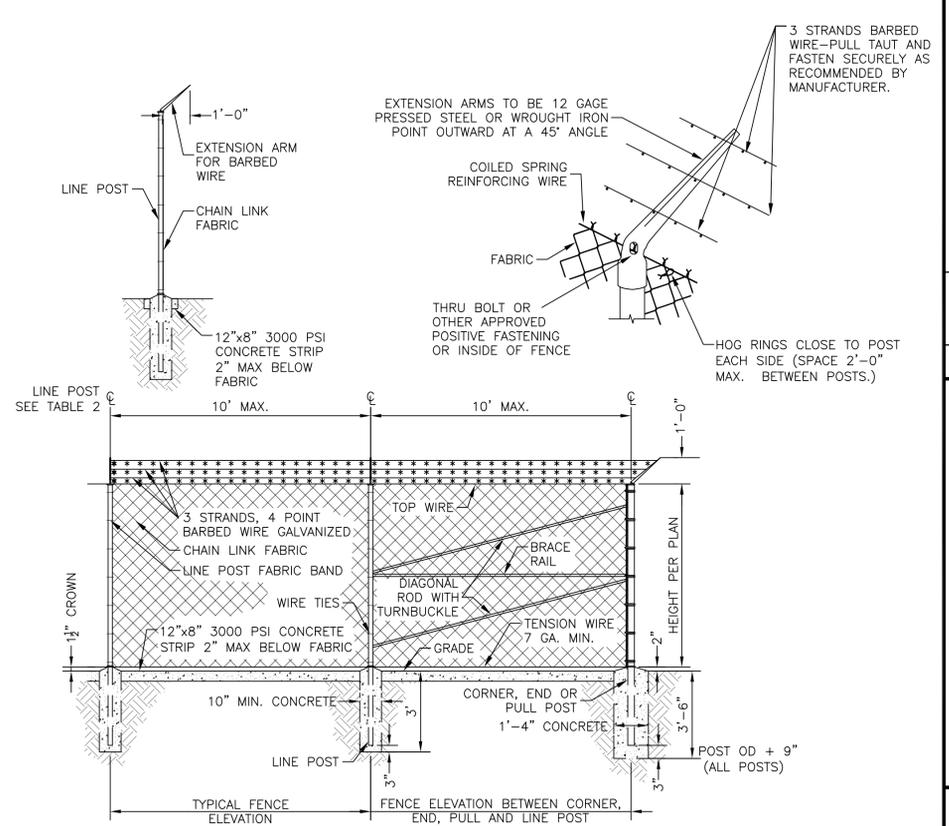
- NOTES:**
- GATE TO BE SECURED OPEN WITH GATE STOP SET IN CONCRETE. ALL GATES TO BE PROVIDED WITH DROP BAR WITH PADLOCK AND HASP TO 1" SCH 40 IN 1'-6" X 12" CONC FOOTING. GATE POSTS SHALL BE 4" O.D. CSP SCH 40 AT GATE OPENING.
 - FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.
 - SEE FENCE DETAIL & SPECIFICATIONS FOR MORE INFORMATION.

TYPICAL PEDESTRIAN GATE (W/BARBED WIRE) DETAIL
NTS



- NOTES:**
- FOR ALL PIPE TYPES - CONCRETE PIPE SHOWN
 - PROVIDE ON ALL STORM DRAIN PIPE JOINTS.

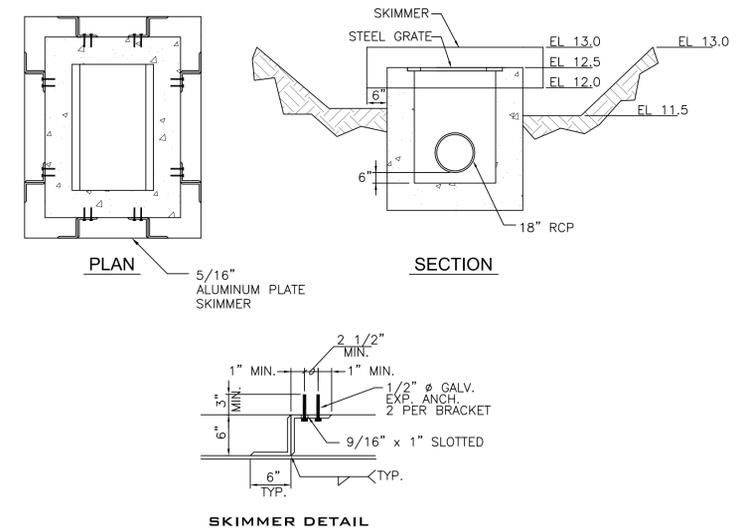
TYPICAL FILTER FABRIC JACKET DETAIL
NTS



FENCING NOTES AND SPECIFICATIONS:

- FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION
- SEE FENCE DETAIL AND SPECIFICATIONS FOR MORE INFORMATION
- ALL GALVANIZING SHALL BE PER ASTM A123, 1.8 OZ PER SF
- POSTS SHALL BE GALVANIZED STEEL PER ASTM A120, SCHEDULE 40
- BARBED WIRE SHALL BE GALVANIZED STEEL, PER ASTM A-121, 12 GAGE, 3 STRANDS, 4 POINTS AT 5 INCHES ON CENTER
- TENSION WIRE SHALL BE 7 GAGE GALVANIZED STEEL, SINGLE STRAND
- EXTENSION ARMS SHALL BE CAST GALVANIZED STEEL, SINGLE ARM, OUTWARD SLOPE, 45 DEGREES
- FABRIC SHALL BE 9 GAGE STEEL ALUMINUM COATED PER ASTM 492-96, TOP SELVAGE TWISTED TIGHT, BOTTOM SELVAGE TWISTED TIGHT, BOTTOM SELVAGE KNUCKLE END CLOSED
- INSTALLATION-INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND THESE DRAWINGS.
 - SET ALL POSTS PLUMB
 - BRACE EACH GATE AND CORNER POST TO ADJACENT DIAGONAL TRUSS RODS
 - FASTEN FABRIC TO TOP WIRE, LINE POSTS, BRACES, AND BOTTOM TENSION WIRE WITH TIE WIRE AT MAXIMUM 15 INCHES ON CENTER

TYPICAL CHAIN-LINK FENCE (W/BARBED WIRE) DETAIL
NTS



EXISTING OVERFLOW CONTROL STRUCTURE DETAIL

REV#	DATE	REVISION

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CONSTRUCTION ENGINEERING GROUP
consulting engineers

**CANAVERAL PORT AUTHORITY
OPS ADMINISTRATION BUILDING AND FIRE STATION**
CANAVERAL PORT AUTHORITY, PORT CANAVERAL, FL
DRAWING TITLE
DETAILS

THESE DOCUMENTS ARE THE PROPERTY OF CONSTRUCTION ENGINEERING GROUP. NO PARTS OF THESE DOCUMENTS ARE TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN CONSENT OF CEG AS PROVIDED BY LAW.

DATE	8-31-11
SCALE	NTS
PROJ. NO.:	110042
DESIGNED BY:	DMT
DRAWN BY:	NCW
CHECKED BY:	JTW
DRAWING NO.	C-5

APPENDIX G
Consultation Letters



Carol Noble, P.E.
Director, Environmental Plans and Programs
Canaveral Port Authority
PO Box 267
Cape Canaveral, FL 32920

November 22, 2010

Re: Section 106 assessment (FCC Form 620), Port Wide Interoperable Communications Infrastructure Project: Tower 1.

Dear Ms. Noble:

As discussed, it is my recommendation that no archaeological survey is required within the APE for direct effects of proposed telecommunications tower to be constructed at 445 Challenger Road (Maritime Center), Cape Canaveral, Florida, 32920: Tower 1 of the Port Wide Interoperable Communications Infrastructure Project. A review of pertinent maps and documents, including the original 1859 plat map for Township 24 South, Range 37 East, aerial photographs dating to 1943, and prior archaeological assessment reports for projects within the vicinity of Port Canaveral, clearly indicate that the proposed tower site consists of spoil dredged from the Banana River in the early 1960s. Although it is possible that prehistoric artifacts may have been dredged and deposited during this filling-in of the Banana River, it is not possible that an undisturbed National Register-eligible archaeological site would exist within the proposed tower's APE for direct effects (re Attachment 9c of the FCC Form 620 submission packet).

Moreover, in addressing Attachment 8 (Historic Properties Identified in the APE for Visual Effects) of the FCC Form 620, Florida Master Site File records and National Register listings indicate that no historic properties listed in the National Register, formally determined eligible for listing by the Keeper of the National Register, or identified as eligible for listing in the records of the Florida SHPO are within the one-half mile (800 m) visual APE of the proposed 160' telecommunications tower.

Therefore, it is my recommendation that the proposed undertaking will have *no effect*, directly or indirectly, on historic properties (FCC Form 620, Attachment 10b).

Sincerely,

Brian Parker, RPA

Carol Noble

From: towernotifyinfo@fcc.gov
Sent: Friday, November 26, 2010 3:02 AM
To: Carol Noble
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #2667468

Dear Sir or Madam:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the information you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter).

Persons who have received the information that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribes"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribes and in making further contacts, the City and State of the Seat of Government for each Tribe and NHO, as well as the designated contact person, is included in the listing below. We note that Tribes may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribes and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribe or NHO. (NPA, Section IV.F.4).

The information you provided was forwarded to the following Tribes and NHOs who have set their geographic preferences on TCNS. If the information you provided relates to a proposed antenna structure in the State of Alaska, the following list also includes Tribes located in the State of Alaska that have not specified their geographic preferences. For these Tribes and NHOs, if the Tribe or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribe or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event such a Tribe or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribe or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Declaratory Ruling released on October 6, 2005 (FCC 05-176).

1. NAGPRA & Section 106 Representative Steve Terry - Miccosukee Tribe of Indians of Florida - Miami, FL - electronic mail and regular mail

2. Archaeological Data Analyst Jennifer L Pietarila - Seminole Tribe of Florida - Clewiston, FL - electronic mail

Details: The Seminole Tribe of Florida Tribal Historic Preservation Office requests that all correspondence be conducted via email and email attachments. We also would like to request a Form 620/621 with attachments associated with cultural resources to be provided for every

cell tower submitted to us for review. Should you have any questions, please feel free to contact me at jenniferpietarila@semtribe.com or 863-983-6549 Ext. 12217. Thank you.

3. Historic Preservation Officer Seminole Nation - Seminole Nation of Oklahoma - Wewoka, OK - electronic mail

Details: If the Applicant/tower builder receives no response from the Seminole Nation of Oklahoma within 30 days after notification through TCNS, the Seminole Nation of Oklahoma has no interest in participating in pre-construction review for the site. The Applicant/tower builder, however, must IMMEDIATELY notify the Seminole Nation of Oklahoma in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

The information you provided was also forwarded to the additional Tribes and NHOs listed below. These Tribes and NHOs have NOT set their geographic preferences on TCNS, and therefore they are currently receiving tower notifications for the entire United States. For these Tribes and NHOs, you are required to use reasonable and good faith efforts to determine if the Tribe or NHO may attach religious and cultural significance to historic properties that may be affected by its proposed undertaking. Such efforts may include, but are not limited to, seeking information from the relevant SHPO or THPO, Indian Tribes, state agencies, the U.S. Bureau of Indian Affairs, or, where applicable, any federal agency with land holdings within the state (NPA, Section IV.B). If after such reasonable and good faith efforts, you determine that a Tribe or NHO may attach religious and cultural significance to historic properties in the area and the Tribe or NHO does not respond to TCNS notification within a reasonable time, you should make a reasonable effort to follow up, and must seek guidance from the Commission in the event of continued non-response or in the event of a procedural or substantive disagreement. If you determine that the Tribe or NHO is unlikely to attach religious and cultural significance to historic properties within the area, you do not need to take further action unless the Tribe or NHO indicates an interest in the proposed construction or other evidence of potential interest comes to your attention.

None

The information you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA.

4. SHPO Lee Warner - Alabama Historical Commission - Montgomery, AL - electronic mail

5. Deputy SHPO Elizabeth Ann Brown - Alabama Historical Commission - Montgomery, AL - electronic mail

6. Deputy SHPO Compliance Review Laura A Kammerer - Div of Historical Resources, Dept of State - Tallahassee, FL - electronic mail

7. Historic Preservationist Samantha Earnest - Florida Division of Historical Resources - Tallahassee, FL - electronic mail

If you are proposing to construct a facility in the State of Alaska, you should contact Commission staff for guidance regarding your obligations in the event that Tribes do not respond to this notification within a reasonable time.

Please be advised that the FCC cannot guarantee that the contact(s) listed above opened and reviewed an electronic or regular mail notification. The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 11/23/2010
Notification ID: 71185
Tower Owner Individual or Entity Name: CANAVERAL PORT AUTHORITY
Consultant Name:
P.O. Box: 267
Street Address: 445 CHALLENGER ROAD
City: CAPE CANAVERAL
State: FLORIDA
Zip Code: 32920
Phone: 321-783-7831
Email: CNOBLE@PORTCANAVERAL.COM

Structure Type: UTOWER - Unguyed - Free Standing Tower
Latitude: 28 deg 24 min 12.8 sec N
Longitude: 80 deg 36 min 50.0 sec W
Location Description: 8980 COLUMBIA ROAD
City: CAPE CANAVERAL
State: FLORIDA
County: BREVARD
Ground Elevation: 3.7 meters
Support Structure: 48.8 meters above ground level
Overall Structure: 48.8 meters above ground level
Overall Height AMSL: 52.5 meters above mean sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic mail form located on the FCC's website at:

<http://wireless.fcc.gov/outreach/notification/contact-fcc.html>.

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8 a.m. to 7:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,
Federal Communications Commission

Under Florida Statute 668.6076, electronic mail addresses are public records. If you do not want your electronic mail address released in response to a public records request as provided in Florida Statute 119, do not send electronic mail to this entity. Instead, contact this office by telephone or in writing.

This electronic mail contains information which may be privileged, confidential, or otherwise protected from disclosure. It is intended only for the individual(s) named. If you are not an addressee; any disclosure, copy, distribution, or use of the contents of this electronic mail is prohibited. If you have received this electronic mail in error, please notify the sender by reply electronic mail or at the telephone number listed above and destroy the original message and all copies.Rev.100507a



Section 106 - Filing Confirmation

FCC > Wireless > Section 106 Filings

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FCC Form 620

New Tower Submission

Current Status: **Submitted**

Date of Submission: **12/02/2010**



[View/Print Submission Packet](#)

Filing Confirmation

Your filing has been Submitted.

File Number: 0004516366

Notification of this filing will be sent to the following Lead SHPO/THPO:

Florida Division of Historical Resources
Attn: Samantha Earnest
500 S. Bronough Street
Tallahassee, FL 32399

Some SHPO/THPOs may have state specific archiving requirements. You should check with the above agency to determine paper format.

 [View all other parties notified of this filing](#)

A printable **submission packet** is generated for your manual records. Please make a note of this file number and your submitted filing will be emailed to the email address specified in your filing.

This system is intended to facilitate filing of Section 106 of the National Historic Preservation Act and use of this system with respect to historic preservation review under the Commission's rules. Failure to receive automated notifications generates responsibilities and/or justify failure to meet deadlines.

This notification is NOT an actual submission for Antenna Structure Registration. Tower Structures that require antenna Part 17 must complete FCC Form 854 after FAA clearance is obtained.

Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Phone: 1-877-480-3201

TTY: 1-717-338-2824

[Submit Help Request](#)

Notification Date: 7AM EST 12/02/2010

New Tower ("NT") Submission Packet

See instructions for
public burden estimates

File Number: 0004516366

General Information

1) (Select only one) (NE) NE – New UA – Update of Application WD – Withdrawal of Application	
2) If this application is for an Update or Withdrawal, enter the file number of the pending application currently on file.	File Number:

Applicant Information

3) FCC Registration Number (FRN): 0001801026
4) Name: CANAVERAL PORT AUTHORITY

Contact Name

5) First Name: CAROL	6) MI:	7) Last Name: NOBLE	8) Suffix: PE
9) Title: DIRECTOR OF ENVIRONMENTAL PLANS AND PROG			

Contact Information

10) P.O. Box: 267	And /Or	11) Street Address: 445 CHALLENGER ROAD	
12) City: CAPE CANAVERAL		13) State: FL	14) Zip Code: 32920
15) Telephone Number: (321)783-7831		16) Fax Number: (321)783-1063	
17) E-mail Address: CNOBLE@PORTCANAVERAL.COM			

Consultant Information

18) FCC Registration Number (FRN): 0020356648
19) Name: FLORIDA ARCHEOLOGICAL CONSULTING, INC.

Principal Investigator

20) First Name: BRIAN	21) MI: T	22) Last Name: PARKER	23) Suffix: RPA
24) Title: PRESIDENT			

Principal Investigator Contact Information

25) P.O. Box:	And /Or	26) Street Address: 2665 N ATLANTIC AVE, NO. 306	
27) City: DAYTONA BEACH		28) State: FL	29) Zip Code: 32118
30) Telephone Number: (386)235-4557		31) Fax Number:	
32) E-mail Address: PARKER@FACIDAYTONA.COM			

Professional Qualification

33) Does the Principal Investigator satisfy the Secretary of the Interior's Professional Qualification Standards?	<input checked="" type="checkbox"/> <u>Y</u> es <input type="checkbox"/> <u>N</u> o
34) Areas of Professional Qualification: <input checked="" type="checkbox"/> Archaeologist <input type="checkbox"/> Architectural Historian <input type="checkbox"/> Historian <input type="checkbox"/> Architect <input type="checkbox"/> Other (Specify) _____	

Additional Staff

35) Are there other staff involved who meet the Professional Qualification Standards of the Secretary of the Interior?	<input type="checkbox"/> <u>Y</u> es <input checked="" type="checkbox"/> <u>N</u> o
--	---

If "YES," complete the following:

36) First Name:	37) MI:	38) Last Name:	39) Suffix:
40) Title:			
41) Areas of Professional Qualification: <input type="checkbox"/> Archaeologist <input type="checkbox"/> Architectural Historian <input type="checkbox"/> Historian <input type="checkbox"/> Architect <input type="checkbox"/> Other (Specify) _____			

Site Information

Tower Construction Notification System

1) TCNS Notification Number: **71185**

Site Information

2) Site Name: **PORT CANAVERAL IMOC TOWER 1 (SOUTH)**

3) Site Address: **8980 COLUMBIA ROAD**

4) City: **CAPE CANAVERAL**

5) State: **FL**

6) Zip Code: **32920**

7) County/Borough/Parish: **BREVARD**

8) Nearest Crossroads: **COLUMBIA ROAD AND CHALLENGER ROAD**

9) NAD 83 Latitude (DD-MM-SS.S): **28-24-12.8**

() N or () S

10) NAD 83 Longitude (DD-MM-SS.S): **080-36-50.0**

() E or () W

Tower Information

11) Tower height above ground level (include top-mounted attachments such as lightning rods): **48.8** _____ () Feet () Meters

12) Tower Type (Select One):

() Guyed lattice tower

() Self-supporting lattice

() Monopole

() Other (Describe):

Project Status

13) Current Project Status (Select One):

() Construction has not yet commenced

() Construction has commenced, but is not completed

Construction commenced on: _____

() Construction has been completed

Construction commenced on: _____

Construction completed on: _____

Determination of Effect

14) Direct Effects (Select One):

- No Historic Properties in Area of Potential Effects (APE)
- No Effect on Historic Properties in APE
- No Adverse Effect on Historic Properties in APE
- Adverse Effect on one or more Historic Properties in APE

15) Visual Effects (Select One):

- No Historic Properties in Area of Potential Effects (APE)
- No Effect on Historic Properties in APE
- No Adverse Effect on Historic Properties in APE
- Adverse Effect on one or more Historic Properties in APE

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	(<input checked="" type="checkbox"/>) <u>Y</u> es () <u>N</u> o
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>71185</u>	Number of Tribes/NHOs: <u>3</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Miccosukee Tribe of Indians of Florida

Contact Name

5) First Name: Steve	6) MI:	7) Last Name: Terry	8) Suffix:
9) Title: NAGPRA & Section 106 Representative			

Dates & Response

10) Date Contacted <u>11/24/2010</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
() Replied/No Interest	
() Replied/Have Interest	
() Replied/Other	

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Seminole Nation of Oklahoma

Contact Name

5) First Name: Seminole	6) MI:	7) Last Name: Nation	8) Suffix:
9) Title: Historic Preservation Officer			

Dates & Response

10) Date Contacted <u>11/24/2010</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
() Replied/No Interest	
() Replied/Have Interest	
() Replied/Other	

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	(<input checked="" type="checkbox"/>) <u>Y</u> es (<input type="checkbox"/>) <u>N</u> o
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>71185</u>	Number of Tribes/NHOs: <u>3</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Seminole Tribe of Florida

Contact Name

5) First Name: Jennifer	6) MI: L	7) Last Name: Pietarila	8) Suffix:
9) Title: Archaeological Data Analyst			

Dates & Response

10) Date Contacted <u>11/24/2010</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
(<input type="checkbox"/>) Replied/No Interest	
(<input type="checkbox"/>) Replied/Have Interest	
(<input type="checkbox"/>) Replied/Other	

Other Tribes/NHOs Contacted

Tribe/NHO Information

1) FCC Registration Number (FRN):
2) Name:

Contact Name

3) First Name:	4) MI:	5) Last Name:	6) Suffix:
7) Title:			

Contact Information

8) P.O. Box:	And /Or	9) Street Address:		
10) City:		11) State:	12) Zip Code:	
13) Telephone Number:		14) Fax Number:		
15) E-mail Address:				
16) Preferred means of communication: () E-mail () Letter () Both				

Dates & Response

17) Date Contacted _____	18) Date Replied _____
() No Reply () Replied/No Interest () Replied/Have Interest () Replied/Other	

Historic Properties

Properties Identified

1) Have any historic properties been identified within the APEs for direct and visual effect?	(<input type="checkbox"/>) <u>Y</u> es (<input checked="" type="checkbox"/>) <u>N</u> o
2) Has the identification process located archaeological materials that would be directly affected, or sites that are of cultural or religious significance to Tribes/NHOs?	(<input type="checkbox"/>) <u>Y</u> es (<input checked="" type="checkbox"/>) <u>N</u> o
3) Are there more than 10 historic properties within the APEs for direct and visual effect? If "Yes", you are required to attach a Cultural Resources Report in lieu of adding the Historic Property below.	(<input type="checkbox"/>) <u>Y</u> es (<input checked="" type="checkbox"/>) <u>N</u> o

Historic Property

4) Property Name:
5) SHPO Site Number:

Property Address

6) Street Address:		
7) City:	8) State:	9) Zip Code:
10) County/Borough/Parish:		

Status & Eligibility

11) Is this property listed on the National Register? Source: _____	(<input type="checkbox"/>) <u>Y</u> es (<input type="checkbox"/>) <u>N</u> o
12) Is this property eligible for listing on the National Register? Source: _____	(<input type="checkbox"/>) <u>Y</u> es (<input type="checkbox"/>) <u>N</u> o
13) Is this property a National Historic Landmark?	(<input type="checkbox"/>) <u>Y</u> es (<input type="checkbox"/>) <u>N</u> o

14) Direct Effects (Select One): <input type="checkbox"/> No Effect on this Historic Property in APE <input type="checkbox"/> No Adverse Effect on this Historic Property in APE <input type="checkbox"/> Adverse Effect on this Historic Property in APE
15) Visual Effects (Select One): <input type="checkbox"/> No Effect on this Historic Property in APE <input type="checkbox"/> No Adverse Effect on this Historic Property in APE <input type="checkbox"/> Adverse Effect on this Historic Property in APE

Local Government Involvement

Local Government Agency

1) FCC Registration Number (FRN):
2) Name: CANAVERAL PORT AUTHORITY

Contact Name

3) First Name: CAROL	4) MI:	5) Last Name: NOBLE	6) Suffix: PE
7) Title: DIRECTOR OF ENVIRONMENTAL PLANS AND PROG			

Contact Information

8) P.O. Box: 267	And /Or	9) Street Address: 445 CHALLENGER ROAD
10) City: CAPE CANAVERAL	11) State: FL	12) Zip Code: 32920
13) Telephone Number: (321)783-7831	14) Fax Number: (321)783-1063	
15) E-mail Address: CNOBLE@PORTCANAVERAL.COM		
16) Preferred means of communication: (<input checked="" type="checkbox"/>) E-mail () Letter () Both		

Dates & Response

17) Date Contacted 11/23/2010	18) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
() Replied/No Interest	
() Replied/Have Interest	
() Replied/Other	

Additional Information

19) Information on local government's role or interest (optional): PORT CANAVERAL, THE APPLICANT, IS THE LOCAL GOVERNMENT.
--

Local Government Involvement

Local Government Agency

1) FCC Registration Number (FRN):

2) Name: **CITY OF CAPE CANAVERAL**

Contact Name

3) First Name: **ANGELA**

4) MI: **M**

5) Last Name: **APPERSON**

6) Suffix: **CMC**

7) Title: **ITY CLERK/HUMAN RESOURCES AND RISK MANAG**

Contact Information

8) P.O. Box: **326**

And
/Or

9) Street Address:

10) City: **CAPE CANAVERAL**

11) State: **FL**

12) Zip Code: **32920**

13) Telephone Number: **(321)868-1220**

14) Fax Number: **(321)868-1248**

15) E-mail Address: **A.Apperson@cityofcapecanaveral.org**

16) Preferred means of communication:

() E-mail

() Letter

() Both

Dates & Response

17) Date Contacted **11/24/2010**

18) Date Replied _____

() No Reply

() Replied/No Interest

() Replied/Have Interest

() Replied/Other

Additional Information

19) Information on local government's role or interest (optional):

TOWER APE PARTIALLY FALLS IN CITY OF CAPE CANAVERAL BOUNDARY.

Other Consulting Parties

Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	() <u>Y</u> es (X) <u>N</u> o
--	---

Consulting Party

2) FCC Registration Number (FRN):
3) Name:

Contact Name

4) First Name:	5) MI:	6) Last Name:	7) Suffix:
8) Title:			

Contact Information

9) P.O. Box:	And /Or	10) Street Address:	
11) City:		12) State:	13) Zip Code:
14) Telephone Number:		15) Fax Number:	
16) E-mail Address:			
17) Preferred means of communication:			
() E-mail			
() Letter			
() Both			

Dates & Response

18) Date Contacted _____	19) Date Replied _____
() No Reply	
() Replied/No Interest	
() Replied/Have Interest	
() Replied/Other	

Additional Information

20) Information on other consulting parties' role or interest (optional):

Designation of SHPO/THPO

1) Designate the Lead State Historic Preservation Officer (SHPO) or Tribal Historic Preservation Officer (THPO) based on the location of the tower.

SHPO/THPO

Name: **Florida Division of Historical Resources**

2) You may also designate up to three additional SHPOs/THPOs if the APEs include multiple states. If the APEs include other countries, enter the name of the National Historic Preservation Agency and any state and provincial Historic Preservation Agency.

SHPO/THPO Name: _____

SHPO/THPO Name: _____

SHPO/THPO Name: _____

Certification

I certify that all representations on this FCC Form 620 Submission Packet and the accompanying attachments are true, correct, and complete.

Party Authorized to Sign

First Name: **Carol**

MI:

Last Name: **Noble**

Suffix:

Signature: **Carol Noble**

Date: **12/01/2010**

FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

Attachments :

Type	Description	Date Entered
Resumes/Vitae	FACI BRIAN PARKER CV	11/23/2010
Historic Properties for Visual Effects	FACI NO EFFECT TO HISTORICAL PROPERTIES LETTER	11/24/2010
Photographs	EAST AND WEST PHOTOS	11/24/2010
Photographs	NORTH AND SOUTH PHOTOS	11/24/2010
Additional Site Information	TOWER STRUCTURE PLAN	11/24/2010
Additional Site Information	AERIAL PLAN	11/24/2010
Additional Site Information	FLOOD MAP	11/24/2010
Additional Site Information	(NO) WETLAND MAP	11/24/2010
Maps	AERIAL	11/24/2010
Historic Properties for Visual Effects	1859 PLAT	11/24/2010
Area of Potential Effects	USGS WITH 1/2 MI APE	11/24/2010
Local Government Involvement	CAPE CANAVERAL EMAIL NOTIFICATION	11/24/2010
Public Involvement	Legal Notice	12/01/2010
Tribal/NHO Involvement	Notice of Organizations	12/01/2010
Historic Properties for Direct Effects	1943 Aerial	12/01/2010

From: [Carol Noble](#)
To: [Connie Rosado](#)
Cc: [Jon Brazee](#); [Troy Goslin](#)
Subject: FW: Section 106 Notification of SHPO/THPO Concurrence- Email ID #109556
Date: Tuesday, December 21, 2010 12:29:25 PM
Importance: High

From: towernotifyinfo@fcc.gov [mailto:towernotifyinfo@fcc.gov]
Sent: Tuesday, December 21, 2010 12:30 PM
To: Carol Noble
Subject: Section 106 Notification of SHPO/THPO Concurrence- Email ID #109556

This is to notify you that the Lead SHPO/THPO has concurred with the following filing:

Date of Action: 12/21/2010

Direct Effect: No Historic Properties in Area of Potential Effects (APE)

Visual Effect: No Historic Properties in Area of Potential Effects (APE)

Comment Text: None

File Number: 0004516366

Purpose: New Tower Submission Packet

Notification Date: 7AM EST 12/02/2010

Applicant: CANAVERAL PORT AUTHORITY

Consultant: FLORIDA ARCHEOLOGICAL CONSULTING, INC.

Site Name: PORT CANAVERAL IMOC TOWER 1 (SOUTH)

Site Address: 8980 COLUMBIA ROAD

Site Coordinates: 28-24-12.8 N, 80-36-50.0 W

City: CAPE CANAVERAL

County: BREVARD

State:FL

Lead SHPO/THPO: Florida Division of Historical Resources

NOTICE OF FRAUDULENT USE OF SYSTEM, ABUSE OF PASSWORD AND RELATED MISUSE

Use of the Section 106 system is intended to facilitate consultation under Section 106 of the National Historic Preservation Act and may contain information that is confidential, privileged or otherwise protected from disclosure under applicable laws. Any person having access to Section 106 information shall use it only for its intended purpose. Appropriate action will be taken with respect to any misuse of the system.

Under Florida Statute 688.6076, electronic mail addresses are public records. If you do not want your electronic mail address released in response to a public records request as provided in Florida Statute 119, do not send electronic mail to this entity. Instead, contact this office by telephone or in writing.

This electronic mail contains information which may be privileged, confidential, or otherwise protected from disclosure. It is intended only for the individual(s) named. If you are not an addressee; any disclosure, copy, distribution, or use of the contents of this electronic mail is prohibited. If you have received this electronic mail in error, please notify the sender by reply electronic mail or at the telephone number listed above and destroy the original message and all copies.

Hague, Erin

From: Carol Noble <cnoble@portcanaveral.com>
Sent: Tuesday, December 21, 2010 12:31 PM
To: Connie Rosado
Cc: Jon Brazee; Troy Goslin
Subject: FW: Section 106 Notification of SHPO/THPO Concurrence- Email ID #109559

Importance: High

From: towernotifyinfo@fcc.gov [<mailto:towernotifyinfo@fcc.gov>]
Sent: Tuesday, December 21, 2010 12:30 PM
To: Carol Noble
Subject: Section 106 Notification of SHPO/THPO Concurrence- Email ID #109559

This is to notify you that the Lead SHPO/THPO has concurred with the following filing:

Date of Action: 12/21/2010

Direct Effect: No Historic Properties in Area of Potential Effects (APE)

Visual Effect: No Historic Properties in Area of Potential Effects (APE)

Comment Text: None

File Number: 0004516366

Purpose: New Tower Submission Packet

Notification Date: 7AM EST 12/02/2010

Applicant: CANAVERAL PORT AUTHORITY

Consultant: FLORIDA ARCHEOLOGICAL CONSULTING, INC.

Site Name: PORT CANAVERAL IMOC TOWER 1 (SOUTH)

Site Address: 8980 COLUMBIA ROAD

Site Coordinates: 28-24-12.8 N, 80-36-50.0 W

City: CAPE CANAVERAL

County: BREVARD

State:FL

Lead SHPO/THPO: Florida Division of Historical Resources

NOTICE OF FRAUDULENT USE OF SYSTEM, ABUSE OF PASSWORD AND RELATED MISUSE

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This electronic mail contains information which may be privileged, confidential, or otherwise protected from disclosure. It is intended only for the individual(s) named. If you are not an addressee; any disclosure, copy, distribution, or use of the contents of this electronic mail is prohibited. If you have received this electronic mail in error, please notify the sender by reply electronic mail or at the telephone number listed above and destroy the original message and all copies.

From: [Carol Noble](mailto:Carol.Noble@fcc.gov)
To: [Connie Rosado](mailto:Connie.Rosado@fcc.gov)
Subject: FW: Reply to Proposed Tower Structure (Notification ID: 71185) - Email ID #2679679
Date: Wednesday, December 08, 2010 9:47:54 AM

-----Original Message-----

From: towernotifyinfo@fcc.gov [<mailto:towernotifyinfo@fcc.gov>]
Sent: Wednesday, December 08, 2010 9:08 AM
To: Carol Noble
Cc: tcns.fccarchive@fcc.gov; stevet@miccosukeetribe.com
Subject: Reply to Proposed Tower Structure (Notification ID: 71185) - Email ID #2679679

Dear ,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from NAGPRA & Section 106 Representative Steve Terry of the Miccosukee Tribe of Indians of Florida in reference to Notification ID #71185:

The Miccosukee Tribe of Indians of Florida has reviewed this notification and attachments. After consultation with Mr. Fred Dayhoff, NAGPRA & Section 106 Representative, and careful review of the documentation provided, the Tribe determined that there is no cultural, historical, or religious site of the Tribe at this location. This determination was based on the documentation provided by Canaveral Port Authority.

Thank you for consulting with us. Please call (305) 223-8380, Ext. 2244, if you require further information.

Steve Terry
NAGPRA & Section 106 Coordinator for
Fred Dayhoff
NAGPRA & Section 106 Representative
Miccosukee Tribe
P.O. Box 440021
Miami, FL 33144
SteveT@miccosukeetribe.com

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 11/23/2010
Notification ID: 71185
Tower Owner Individual or Entity Name: CANAVERAL PORT AUTHORITY
Consultant Name:
P.O. Box: 267
Street Address: 445 CHALLENGER ROAD
City: CAPE CANAVERAL
State: FLORIDA Zip Code: 32920
Phone: 321-783-7831 Email: CNOBLE@PORTCANAVERAL.COM

Structure Type: UTOWER - Unguyed - Free Standing Tower
Latitude: 28 deg 24 min 12.8 sec N
Longitude: 80 deg 36 min 50.0 sec W
Location Description: 8980 COLUMBIA ROAD
City: CAPE CANAVERAL
State: FLORIDA
County: BREVARD
Ground Elevation: 3.7 meters
Support Structure: 48.8 meters above ground level
Overall Structure: 48.8 meters above ground level
Overall Height AMSL: 52.5 meters above mean sea level

Under Florida Statute 668.6076, electronic mail addresses are public records. If you do not want your electronic mail address released in response to a public records request as provided in Florida Statute 119, do not send electronic mail to this entity. Instead, contact this office by telephone or in writing.

This electronic mail contains information which may be privileged, confidential, or otherwise protected from disclosure. It is intended only for the individual(s) named. If you are not an addressee; any disclosure, copy, distribution, or use of the contents of this electronic mail is prohibited. If you have received this electronic mail in error, please notify the sender by reply electronic mail or at the telephone number listed above and destroy the original message and all copies. Rev. 100507a

Reply to Proposed Tower Structure (Notification ID 71185) - Email ID #2679679
From: towernotifyinfo@fcc.gov
Sent: Wednesday, December 08, 2010 9:08 AM
To: Carol Noble
Cc: tcns.fccarchive@fcc.gov; stevet@miccosukeetribe.com
Subject: Reply to Proposed Tower Structure (Notification ID: 71185) - Email ID #2679679

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Thank you for consulting with us. Please call (305) 223-8380, Ext. 2244, if you require further information.

Steve Terry
NAGPRA & Section 106 Coordinator for
Fred Dayhoff
NAGPRA & Section 106 Representative
Miccosukee Tribe
P.O. Box 440021
Miami, FL 33144
SteveT@miccosukeetribe.com

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 11/23/2010
Notification ID: 71185
Tower Owner Individual or Entity Name: CANAVERAL PORT AUTHORITY
Consultant Name:
P.O. Box: 267
Street Address: 445 CHALLENGER ROAD
City: CAPE CANAVERAL
State: FLORIDA
Zip Code: 32920
Phone: 321-783-7831
Email: CNOBLE@PORTCANAVERAL.COM

Structure Type: UTOWER - Unguyed - Free Standing Tower
Latitude: 28 deg 24 min 12.8 sec N
Longitude: 80 deg 36 min 50.0 sec W
Location Description: 8980 COLUMBIA ROAD
City: CAPE CANAVERAL
State: FLORIDA
County: BREVARD

Reply to Proposed Tower Structure (Notification ID 71185) - Email ID #2679679
Ground Elevation: 3.7 meters
Support Structure: 48.8 meters above ground level
Overall Structure: 48.8 meters above ground level
Overall Height AMSL: 52.5 meters above mean sea level

Under Florida Statute 668.6076, electronic mail addresses are public records. If you do not want your electronic mail address released in response to a public records request as provided in Florida Statute 119, do not send electronic mail to this entity. Instead, contact this office by telephone or in writing.

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Carol Noble, P.E.
Director, Environmental Plans and Programs
Canaveral Port Authority
PO Box 267
Cape Canaveral, FL 32920

November 22, 2010

Re: Section 106 assessment (FCC Form 620), Port Wide Interoperable Communications Infrastructure Project: Tower 2.

Dear Ms. Noble:

As discussed, it is my recommendation that no archaeological survey is required within the APE for direct effects of proposed telecommunications tower to be constructed on the grounds of the Canaveral Port Authority's Inter-Agency Maritime Operations Center (IMOC): Tower 2 of the Port Wide Interoperable Communications Infrastructure Project. A review of pertinent maps and documents, including the original 1859 plat map for Township 24 South, Range 37 East, aerial photographs dating to 1943, and prior archaeological assessment reports for projects within the vicinity of Port Canaveral, clearly indicate that the proposed tower site consists of spoil dredged from the Banana River in the early 1960s. Although it is possible that prehistoric artifacts may have been dredged and deposited during this filling-in of the Banana River, it is not possible that an undisturbed National Register-eligible archaeological site would exist within the proposed tower's APE for direct effects (re Attachment 9c of the FCC Form 620 submission packet).

Moreover, in addressing Attachment 8 (Historic Properties Identified in the APE for Visual Effects) of the FCC Form 620, Florida Master Site File records and National Register listings indicate that no historic properties listed in the National Register, formally determined eligible for listing by the Keeper of the National Register, or identified as eligible for listing in the records of the Florida SHPO are within the one-half mile (800 m) visual APE of the proposed 160' telecommunications tower.

Therefore, it is my recommendation that the proposed undertaking will have *no effect*, directly or indirectly, on historic properties (FCC Form 620, Attachment 10b).

Sincerely,

Brian Parker, RPA

Carol Noble

From: towernotifyinfo@fcc.gov
Sent: Friday, November 26, 2010 3:02 AM
To: Carol Noble
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #2667491

Dear Sir or Madam:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the information you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter).

Persons who have received the information that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribes"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribes and in making further contacts, the City and State of the Seat of Government for each Tribe and NHO, as well as the designated contact person, is included in the listing below. We note that Tribes may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribes and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribe or NHO. (NPA, Section IV.F.4).

The information you provided was forwarded to the following Tribes and NHOs who have set their geographic preferences on TCNS. If the information you provided relates to a proposed antenna structure in the State of Alaska, the following list also includes Tribes located in the State of Alaska that have not specified their geographic preferences. For these Tribes and NHOs, if the Tribe or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribe or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event such a Tribe or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribe or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Declaratory Ruling released on October 6, 2005 (FCC 05-176).

1. NAGPRA & Section 106 Representative Steve Terry - Miccosukee Tribe of Indians of Florida - Miami, FL - electronic mail and regular mail

2. Archaeological Data Analyst Jennifer L Pietarila - Seminole Tribe of Florida - Clewiston, FL - electronic mail

Details: The Seminole Tribe of Florida Tribal Historic Preservation Office requests that all correspondence be conducted via email and email attachments. We also would like to request a Form 620/621 with attachments associated with cultural resources to be provided for every

cell tower submitted to us for review. Should you have any questions, please feel free to contact me at jenniferpietarila@semtribe.com or 863-983-6549 Ext. 12217. Thank you.

3. Historic Preservation Officer Seminole Nation - Seminole Nation of Oklahoma - Wewoka, OK - electronic mail

Details: If the Applicant/tower builder receives no response from the Seminole Nation of Oklahoma within 30 days after notification through TCNS, the Seminole Nation of Oklahoma has no interest in participating in pre-construction review for the site. The Applicant/tower builder, however, must IMMEDIATELY notify the Seminole Nation of Oklahoma in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

The information you provided was also forwarded to the additional Tribes and NHOs listed below. These Tribes and NHOs have NOT set their geographic preferences on TCNS, and therefore they are currently receiving tower notifications for the entire United States. For these Tribes and NHOs, you are required to use reasonable and good faith efforts to determine if the Tribe or NHO may attach religious and cultural significance to historic properties that may be affected by its proposed undertaking. Such efforts may include, but are not limited to, seeking information from the relevant SHPO or THPO, Indian Tribes, state agencies, the U.S. Bureau of Indian Affairs, or, where applicable, any federal agency with land holdings within the state (NPA, Section IV.B). If after such reasonable and good faith efforts, you determine that a Tribe or NHO may attach religious and cultural significance to historic properties in the area and the Tribe or NHO does not respond to TCNS notification within a reasonable time, you should make a reasonable effort to follow up, and must seek guidance from the Commission in the event of continued non-response or in the event of a procedural or substantive disagreement. If you determine that the Tribe or NHO is unlikely to attach religious and cultural significance to historic properties within the area, you do not need to take further action unless the Tribe or NHO indicates an interest in the proposed construction or other evidence of potential interest comes to your attention.

None

The information you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA.

4. SHPO Lee Warner - Alabama Historical Commission - Montgomery, AL - electronic mail

5. Deputy SHPO Elizabeth Ann Brown - Alabama Historical Commission - Montgomery, AL - electronic mail

6. Deputy SHPO Compliance Review Laura A Kammerer - Div of Historical Resources, Dept of State - Tallahassee, FL - electronic mail

7. Historic Preservationist Samantha Earnest - Florida Division of Historical Resources - Tallahassee, FL - electronic mail

If you are proposing to construct a facility in the State of Alaska, you should contact Commission staff for guidance regarding your obligations in the event that Tribes do not respond to this notification within a reasonable time.

Please be advised that the FCC cannot guarantee that the contact(s) listed above opened and reviewed an electronic or regular mail notification. The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 11/23/2010
Notification ID: 71187
Tower Owner Individual or Entity Name: CANAVERAL PORT AUTHORITY
Consultant Name:
P.O. Box: 267
Street Address: 445 CHALLENGER ROAD
City: CAPE CANAVERAL
State: FLORIDA
Zip Code: 32920
Phone: 321-783-7831
Email: CNOBLE@PORTCANAVERAL.COM

Structure Type: UTOWER - Unguyed - Free Standing Tower
Latitude: 28 deg 25 min 5.6 sec N
Longitude: 80 deg 37 min 9.9 sec W
Location Description: 9290 GROUPER ROAD
City: CAPE CANAVERAL
State: FLORIDA
County: BREVARD
Ground Elevation: 4.0 meters
Support Structure: 48.8 meters above ground level
Overall Structure: 48.8 meters above ground level
Overall Height AMSL: 52.8 meters above mean sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic mail form located on the FCC's website at:

<http://wireless.fcc.gov/outreach/notification/contact-fcc.html>.

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8 a.m. to 7:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,
Federal Communications Commission

Under Florida Statute 668.6076, electronic mail addresses are public records. If you do not want your electronic mail address released in response to a public records request as provided in Florida Statute 119, do not send electronic mail to this entity. Instead, contact this office by telephone or in writing.

This electronic mail contains information which may be privileged, confidential, or otherwise protected from disclosure. It is intended only for the individual(s) named. If you are not an addressee; any disclosure, copy, distribution, or use of the contents of this electronic mail is prohibited. If you have received this electronic mail in error, please notify the sender by reply electronic mail or at the telephone number listed above and destroy the original message and all copies.Rev.100507a



Section 106 - Filing Confirmation

FCC > Wireless > Section 106 Filings

Logged In: 0001801026 ([Log Out](#))

[Help](#) | [Technical Support](#)

FCC Form 620

New Tower Submission

Current Status: **Submitted**

Date of Submission: **12/02/2010**



[View/Print Submission Packet](#)

Filing Confirmation

Your filing has been Submitted.

File Number: 0004516560

Notification of this filing will be sent to the following Lead SHPO/THPO:

Florida Division of Historical Resources
Attn: Samantha Earnest
500 S. Bronough Street
Tallahassee, FL 32399

Some SHPO/THPOs may have state specific archiving requirements. You should check with the above agency to determine paper format.

 [View all other parties notified of this filing](#)

A printable [submission packet](#) is generated for your manual records. Please make a note of this file number and your submitted filing will be emailed to the email address specified in your filing.

This system is intended to facilitate filing of Section 106 of the National Historic Preservation Act and use of this system with respect to historic preservation review under the Commission's rules. Failure to receive automated notifications generates responsibilities and/or justify failure to meet deadlines.

This notification is NOT an actual submission for Antenna Structure Registration. Tower Structures that require antenna Part 17 must complete FCC Form 854 after FAA clearance is obtained.

Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Phone: 1-877-480-3201

TTY: 1-717-338-2824

[Submit Help Request](#)

Notification Date: 7AM EST 12/02/2010

New Tower ("NT") Submission Packet

See instructions for
public burden estimates

File Number: 0004516560

General Information

1) (Select only one) (NE) NE – New UA – Update of Application WD – Withdrawal of Application	
2) If this application is for an Update or Withdrawal, enter the file number of the pending application currently on file.	File Number:

Applicant Information

3) FCC Registration Number (FRN): 0001801026
4) Name: CANAVERAL PORT AUTHORITY

Contact Name

5) First Name: CAROL	6) MI:	7) Last Name: NOBLE	8) Suffix: PE
9) Title: DIRECTOR ENVIRONMENTAL PLAN AND PROGRAMS			

Contact Information

10) P.O. Box: 267	And /Or	11) Street Address: 445 CHALLENGER ROAD
12) City: CAPE CANAVERAL	13) State: FL	14) Zip Code: 32920
15) Telephone Number: (321)783-7831	16) Fax Number: (321)783-1063	
17) E-mail Address: CNOBLE@PORTCANAVERAL.COM		

Consultant Information

18) FCC Registration Number (FRN): 0020356648
19) Name: FLROIDA ARCHAEOLOGICAL CONSULTING, INC.

Principal Investigator

20) First Name: BRIAN	21) MI: T	22) Last Name: PARKER	23) Suffix: RPA
24) Title: PRESIDENT			

Principal Investigator Contact Information

25) P.O. Box:	And /Or	26) Street Address: 2665 N. ATLANTIC AVE. NO. 306
27) City: DAYTONA BEACH	28) State: FL	29) Zip Code: 32118
30) Telephone Number: (386)235-4557	31) Fax Number:	
32) E-mail Address: PARKER@FACIDAYTONA.COM		

Professional Qualification

33) Does the Principal Investigator satisfy the Secretary of the Interior's Professional Qualification Standards?	<input checked="" type="checkbox"/> <u>Y</u> es <input type="checkbox"/> <u>N</u> o
34) Areas of Professional Qualification: <input checked="" type="checkbox"/> Archaeologist <input type="checkbox"/> Architectural Historian <input type="checkbox"/> Historian <input type="checkbox"/> Architect <input type="checkbox"/> Other (Specify) _____	

Additional Staff

35) Are there other staff involved who meet the Professional Qualification Standards of the Secretary of the Interior?	<input type="checkbox"/> <u>Y</u> es <input checked="" type="checkbox"/> <u>N</u> o
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If "YES," complete the following:

36) First Name:	37) MI:	38) Last Name:	39) Suffix:
40) Title:			
41) Areas of Professional Qualification: <input type="checkbox"/> Archaeologist <input type="checkbox"/> Architectural Historian <input type="checkbox"/> Historian <input type="checkbox"/> Architect <input type="checkbox"/> Other (Specify) _____			

Site Information

Tower Construction Notification System

1) TCNS Notification Number: **71187**

Site Information

2) Site Name: **PORT CANAVERAL IMOC TOWER 2 (NORTH)**

3) Site Address: **9290 GROUPER ROAD**

4) City: **CAPE CANAVERAL**

5) State: **FL**

6) Zip Code: **32920**

7) County/Borough/Parish: **BREVARD**

8) Nearest Crossroads: **GROUPER ROAD AND S.R. 401**

9) NAD 83 Latitude (DD-MM-SS.S): **28-25-05.6**

() N or () S

10) NAD 83 Longitude (DD-MM-SS.S): **080-37-09.9**

() E or () W

Tower Information

11) Tower height above ground level (include top-mounted attachments such as lightning rods): **48.8** _____ () Feet () Meters

12) Tower Type (Select One):

() Guyed lattice tower

() Self-supporting lattice

() Monopole

() Other (Describe):

Project Status

13) Current Project Status (Select One):

() Construction has not yet commenced

() Construction has commenced, but is not completed

Construction commenced on: _____

() Construction has been completed

Construction commenced on: _____

Construction completed on: _____

Determination of Effect

14) Direct Effects (Select One):

- No Historic Properties in Area of Potential Effects (APE)
- No Effect on Historic Properties in APE
- No Adverse Effect on Historic Properties in APE
- Adverse Effect on one or more Historic Properties in APE

15) Visual Effects (Select One):

- No Historic Properties in Area of Potential Effects (APE)
- No Effect on Historic Properties in APE
- No Adverse Effect on Historic Properties in APE
- Adverse Effect on one or more Historic Properties in APE

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	(<input checked="" type="checkbox"/>) <u>Y</u> es () <u>N</u> o
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>71187</u>	Number of Tribes/NHOs: <u>3</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Miccosukee Tribe of Indians of Florida

Contact Name

5) First Name: Steve	6) MI:	7) Last Name: Terry	8) Suffix:
9) Title: NAGPRA & Section 106 Representative			

Dates & Response

10) Date Contacted <u>11/25/2010</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply () Replied/No Interest () Replied/Have Interest () Replied/Other	

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Seminole Nation of Oklahoma

Contact Name

5) First Name: Seminole	6) MI:	7) Last Name: Nation	8) Suffix:
9) Title: Historic Preservation Officer			

Dates & Response

10) Date Contacted <u>11/24/2010</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply () Replied/No Interest () Replied/Have Interest () Replied/Other	

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	(<input checked="" type="checkbox"/>) <u>Y</u> es (<input type="checkbox"/>) <u>N</u> o
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>71187</u>	Number of Tribes/NHOs: <u>3</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Seminole Tribe of Florida

Contact Name

5) First Name: Jennifer	6) MI: L	7) Last Name: Pietarila	8) Suffix:
9) Title: Archaeological Data Analyst			

Dates & Response

10) Date Contacted <u>11/24/2010</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
(<input type="checkbox"/>) Replied/No Interest	
(<input type="checkbox"/>) Replied/Have Interest	
(<input type="checkbox"/>) Replied/Other	

Other Tribes/NHOs Contacted

Tribe/NHO Information

1) FCC Registration Number (FRN):
2) Name:

Contact Name

3) First Name:	4) MI:	5) Last Name:	6) Suffix:
7) Title:			

Contact Information

8) P.O. Box:	And /Or	9) Street Address:		
10) City:		11) State:	12) Zip Code:	
13) Telephone Number:		14) Fax Number:		
15) E-mail Address:				
16) Preferred means of communication: () E-mail () Letter () Both				

Dates & Response

17) Date Contacted _____	18) Date Replied _____
() No Reply () Replied/No Interest () Replied/Have Interest () Replied/Other	

Historic Properties

Properties Identified

1) Have any historic properties been identified within the APEs for direct and visual effect?	(<input type="checkbox"/>) <u>Y</u> es (<input checked="" type="checkbox"/>) <u>N</u> o
2) Has the identification process located archaeological materials that would be directly affected, or sites that are of cultural or religious significance to Tribes/NHOs?	(<input type="checkbox"/>) <u>Y</u> es (<input checked="" type="checkbox"/>) <u>N</u> o
3) Are there more than 10 historic properties within the APEs for direct and visual effect? If "Yes", you are required to attach a Cultural Resources Report in lieu of adding the Historic Property below.	(<input type="checkbox"/>) <u>Y</u> es (<input checked="" type="checkbox"/>) <u>N</u> o

Historic Property

4) Property Name:
5) SHPO Site Number:

Property Address

6) Street Address:		
7) City:	8) State:	9) Zip Code:
10) County/Borough/Parish:		

Status & Eligibility

11) Is this property listed on the National Register? Source: _____	(<input type="checkbox"/>) <u>Y</u> es (<input type="checkbox"/>) <u>N</u> o
12) Is this property eligible for listing on the National Register? Source: _____	(<input type="checkbox"/>) <u>Y</u> es (<input type="checkbox"/>) <u>N</u> o
13) Is this property a National Historic Landmark?	(<input type="checkbox"/>) <u>Y</u> es (<input type="checkbox"/>) <u>N</u> o

14) Direct Effects (Select One): <input type="checkbox"/> No Effect on this Historic Property in APE <input type="checkbox"/> No Adverse Effect on this Historic Property in APE <input type="checkbox"/> Adverse Effect on this Historic Property in APE
15) Visual Effects (Select One): <input type="checkbox"/> No Effect on this Historic Property in APE <input type="checkbox"/> No Adverse Effect on this Historic Property in APE <input type="checkbox"/> Adverse Effect on this Historic Property in APE

Local Government Involvement

Local Government Agency

1) FCC Registration Number (FRN):
2) Name: CANAVERAL PORT AUTHORITY

Contact Name

3) First Name: CAROL	4) MI:	5) Last Name: NOBLE	6) Suffix:
7) Title: DIRECTOR, ENVIRONMENTAL PROGRAMS			

Contact Information

8) P.O. Box: 267	And /Or	9) Street Address: 445 CHALLENGER ROAD
10) City: CAPE CANAVERAL	11) State: FL	12) Zip Code: 32920
13) Telephone Number: (321)783-7831	14) Fax Number: (321)783-1063	
15) E-mail Address: CNOBLE@PORTCANAVERAL.COM		
16) Preferred means of communication: (<input checked="" type="checkbox"/>) E-mail () Letter () Both		

Dates & Response

17) Date Contacted 11/23/2010	18) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply () Replied/No Interest () Replied/Have Interest () Replied/Other	

Additional Information

19) Information on local government's role or interest (optional): PORT CANAVERAL, THE APPLICANT, IS THE LOCAL GOVERNMENT.
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Other Consulting Parties

Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	() <u>Y</u> es (X) <u>N</u> o
--	---

Consulting Party

2) FCC Registration Number (FRN):
3) Name:

Contact Name

4) First Name:	5) MI:	6) Last Name:	7) Suffix:
8) Title:			

Contact Information

9) P.O. Box:	And /Or	10) Street Address:		
11) City:		12) State:	13) Zip Code:	
14) Telephone Number:		15) Fax Number:		
16) E-mail Address:				
17) Preferred means of communication:				
() E-mail				
() Letter				
() Both				

Dates & Response

18) Date Contacted _____	19) Date Replied _____
() No Reply	
() Replied/No Interest	
() Replied/Have Interest	
() Replied/Other	

Additional Information

20) Information on other consulting parties' role or interest (optional):

Designation of SHPO/THPO

1) Designate the Lead State Historic Preservation Officer (SHPO) or Tribal Historic Preservation Officer (THPO) based on the location of the tower.

SHPO/THPO

Name: **Florida Division of Historical Resources**

2) You may also designate up to three additional SHPOs/THPOs if the APEs include multiple states. If the APEs include other countries, enter the name of the National Historic Preservation Agency and any state and provincial Historic Preservation Agency.

SHPO/THPO Name: _____

SHPO/THPO Name: _____

SHPO/THPO Name: _____

Certification

I certify that all representations on this FCC Form 620 Submission Packet and the accompanying attachments are true, correct, and complete.

Party Authorized to Sign

First Name: **CAROL**

MI:

Last Name: **NOBLE**

Suffix:

Signature: **CAROL NOBLE**

Date: **12/01/2010**

FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

Attachments :

Type	Description	Date Entered
Resumes/Vitae	FACI CV	12/01/2010
Maps	AERIAL PLAN	12/01/2010
Tribal/NHO Involvement	NOTICE TO ORGANIZATIONS	12/01/2010
Historic Properties for Visual Effects	FACI NO EFFECT TO HISTORICAL PROPERTIES LETTER	12/01/2010
Historic Properties for Direct Effects	1943 AERIAL	12/01/2010
Historic Properties for Direct Effects	1859 PLAT	12/01/2010
Photographs	NORTH AND SOUTH PHOTOS	12/01/2010
Photographs	EAST AND WEST PHOTOS	12/01/2010
Additional Site Information	FLOOD MAP	12/01/2010
Additional Site Information	(NO) WETLAND MAP	12/01/2010
Additional Site Information	TOWER STRUCTURE PLAN	12/01/2010
Additional Site Information	AERIAL	12/01/2010
Local Government Involvement	Local Government Coordination	12/01/2010
Public Involvement	PUBLIC LEGAL NOTICE	12/01/2010
Area of Potential Effects	USGS WITH 1/2 MILE APE	12/01/2010

From: [Carol Noble](#)
To: [Connie Rosado](#)
Cc: [Troy Goslin](#); [Jon Brazee](#)
Subject: FW: Section 106 Notification of SHPO/THPO Concurrence- Email ID #109562
Date: Tuesday, December 21, 2010 12:30:31 PM
Importance: High

From: towernotifyinfo@fcc.gov [mailto:towernotifyinfo@fcc.gov]
Sent: Tuesday, December 21, 2010 12:30 PM
To: Carol Noble
Subject: Section 106 Notification of SHPO/THPO Concurrence- Email ID #109562

This is to notify you that the Lead SHPO/THPO has concurred with the following filing:

Date of Action: 12/21/2010

Direct Effect: No Historic Properties in Area of Potential Effects (APE)

Visual Effect: No Historic Properties in Area of Potential Effects (APE)

Comment Text: None

File Number: 0004516560

Purpose: New Tower Submission Packet

Notification Date: 7AM EST 12/02/2010

Applicant: CANAVERAL PORT AUTHORITY

Consultant: FLROIDA ARCHAEOLOGICAL CONSULTING, INC.

Site Name: PORT CANAVERAL IMOC TOWER 2 (NORTH)

Site Address: 9290 GROUPER ROAD

Site Coordinates: 28-25-5.6 N, 80-37-9.9 W

City: CAPE CANAVERAL

County: BREVARD

State:FL

Lead SHPO/THPO: Florida Division of Historical Resources

NOTICE OF FRAUDULENT USE OF SYSTEM, ABUSE OF PASSWORD AND RELATED MISUSE

Use of the Section 106 system is intended to facilitate consultation under Section 106 of the National Historic Preservation Act and may contain information that is confidential, privileged or otherwise protected from disclosure under applicable laws. Any person having access to Section 106 information shall use it only for its intended purpose. Appropriate action will be taken with respect to any misuse of the system.

Under Florida Statute 668.6076, electronic mail addresses are public records. If you do not want your electronic mail address released in response to a public records request as provided in Florida Statute 119, do not send electronic mail to this entity. Instead, contact this office by telephone or in writing.

This electronic mail contains information which may be privileged, confidential, or otherwise protected from disclosure. It is intended only for the individual(s) named. If you are not an addressee; any disclosure, copy, distribution, or use of the contents of this

Hague, Erin

From: Carol Noble <cnoble@portcanaveral.com>
Sent: Tuesday, December 21, 2010 12:31 PM
To: Connie Rosado
Cc: Jon Brazee; Troy Goslin
Subject: FW: Section 106 Notification of SHPO/THPO Concurrence- Email ID #109565

Importance: High

From: towernotifyinfo@fcc.gov [<mailto:towernotifyinfo@fcc.gov>]
Sent: Tuesday, December 21, 2010 12:30 PM
To: Carol Noble
Subject: Section 106 Notification of SHPO/THPO Concurrence- Email ID #109565

This is to notify you that the Lead SHPO/THPO has concurred with the following filing:

Date of Action: 12/21/2010

Direct Effect: No Historic Properties in Area of Potential Effects (APE)

Visual Effect: No Historic Properties in Area of Potential Effects (APE)

Comment Text: None

File Number: 0004516560

Purpose: New Tower Submission Packet

Notification Date: 7AM EST 12/02/2010

Applicant: CANAVERAL PORT AUTHORITY

Consultant: FLROIDA ARCHAEOLOGICAL CONSULTING, INC.

Site Name: PORT CANAVERAL IMOC TOWER 2 (NORTH)

Site Address: 9290 GROUPER ROAD

Site Coordinates: 28-25-5.6 N, 80-37-9.9 W

City: CAPE CANAVERAL

County: BREVARD

State:FL

Lead SHPO/THPO: Florida Division of Historical Resources

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This electronic mail contains information which may be privileged, confidential, or otherwise protected from disclosure. It is intended only for the individual(s) named. If you are not an addressee; any disclosure, copy, distribution, or use of the contents of this electronic mail is prohibited. If you have received this electronic mail in error, please notify the sender by reply electronic mail or at the telephone number listed above and destroy the original message and all copies.

From: [Carol Noble](#)
To: [Connie Rosado](#)
Subject: FW: Reply to Proposed Tower Structure (Notification ID: 71187) - Email ID #2679680
Date: Wednesday, December 08, 2010 9:47:42 AM

-----Original Message-----

From: towernotifyinfo@fcc.gov [<mailto:towernotifyinfo@fcc.gov>]
Sent: Wednesday, December 08, 2010 9:10 AM
To: Carol Noble
Cc: tcns.fccarchive@fcc.gov; stevet@miccosukeetribe.com
Subject: Reply to Proposed Tower Structure (Notification ID: 71187) - Email ID #2679680

Dear ,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from NAGPRA & Section 106 Representative Steve Terry of the Miccosukee Tribe of Indians of Florida in reference to Notification ID #71187:

The Miccosukee Tribe of Indians of Florida has reviewed this notification and attachments. After consultation with Mr. Fred Dayhoff, NAGPRA & Section 106 Representative, and careful review of the documentation provided, the Tribe determined that there is no cultural, historical, or religious site of the Tribe at this location. This determination was based on the documentation provided by Canaveral Port Authority.

Thank you for consulting with us. Please call (305) 223-8380, Ext. 2244, if you require further information.

Steve Terry
NAGPRA & Section 106 Coordinator for
Fred Dayhoff
NAGPRA & Section 106 Representative
Miccosukee Tribe
P.O. Box 440021
Miami, FL 33144
SteveT@miccosukeetribe.com

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 11/23/2010
Notification ID: 71187
Tower Owner Individual or Entity Name: CANAVERAL PORT AUTHORITY
Consultant Name:
P.O. Box: 267
Street Address: 445 CHALLENGER ROAD
City: CAPE CANAVERAL
State: FLORIDA Zip Code: 32920
Phone: 321-783-7831 Email: CNOBLE@PORTCANAVERAL.COM

Structure Type: UTOWER - Unguyed - Free Standing Tower
Latitude: 28 deg 24 min 12.8 sec N
Longitude: 80 deg 36 min 50.0 sec W
Location Description: 8980 COLUMBIA ROAD
City: CAPE CANAVERAL
State: FLORIDA
County: BREVARD
Ground Elevation: 3.7 meters
Support Structure: 48.8 meters above ground level
Overall Structure: 48.8 meters above ground level
Overall Height AMSL: 52.5 meters above mean sea level

Under Florida Statute 668.6076, electronic mail addresses are public records. If you do not want your electronic mail address released in response to a public records request as provided in Florida Statute 119, do not send electronic mail to this entity. Instead, contact this office by telephone or in writing.

This electronic mail contains information which may be privileged, confidential, or otherwise protected from disclosure. It is intended only for the individual(s) named. If you are not an addressee; any disclosure, copy, distribution, or use of the contents of this electronic mail is prohibited. If you have received this electronic mail in error, please notify the sender by reply electronic mail or at the telephone number listed above and destroy the original message and all copies. Rev. 100507a

Reply to Proposed Tower Structure (Notification ID 71187) - Email ID #2679680_tower 1
From: towernotifyinfo@fcc.gov
Sent: Wednesday, December 08, 2010 9:10 AM
To: Carol Noble
Cc: tcns.fccarchive@fcc.gov; stevet@miccosukeetribe.com
Subject: Reply to Proposed Tower Structure (Notification ID: 71187) - Email ID #2679680

Dear ,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from NAGPRA & Section 106 Representative Steve Terry of the Miccosukee Tribe of Indians of Florida in reference to Notification ID #71187:

The Miccosukee Tribe of Indians of Florida has reviewed this notification and attachments. After consultation with Mr. Fred Dayhoff, NAGPRA & Section 106 Representative, and careful review of the documentation provided, the Tribe determined that there is no cultural, historical, or religious site of the Tribe at this location. This determination was based on the documentation provided by Canaveral Port Authority.

Thank you for consulting with us. Please call (305) 223-8380, Ext. 2244, if you require further information.

Steve Terry
NAGPRA & Section 106 Coordinator for
Fred Dayhoff
NAGPRA & Section 106 Representative
Miccosukee Tribe
P.O. Box 440021
Miami, FL 33144
SteveT@miccosukeetribe.com

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 11/23/2010
Notification ID: 71187
Tower Owner Individual or Entity Name: CANAVERAL PORT AUTHORITY
Consultant Name:
P.O. Box: 267
Street Address: 445 CHALLENGER ROAD
City: CAPE CANAVERAL
State: FLORIDA
Zip Code: 32920
Phone: 321-783-7831
Email: CNOBLE@PORTCANAVERAL.COM

Structure Type: UTOWER - Unguyed - Free Standing Tower
Latitude: 28 deg 25 min 5.6 sec N
Longitude: 80 deg 37 min 9.9 sec W
Location Description: 9290 GROUPER ROAD
City: CAPE CANAVERAL
State: FLORIDA
County: BREVARD

Reply to Proposed Tower Structure (Notification ID 71187) - Email ID #2679680_tower 1
Ground Elevation: 4.0 meters
Support Structure: 48.8 meters above ground level
Overall Structure: 48.8 meters above ground level
Overall Height AMSL: 52.8 meters above mean sea level

Under Florida Statute 668.6076, electronic mail addresses are public records. If you do not want your electronic mail address released in response to a public records request as provided in Florida Statute 119, do not send electronic mail to this entity. Instead, contact this office by telephone or in writing.

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FWS Log No. 12-I-0052

The proposed action is not likely to adversely affect resources protected by the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 et seq.) provided the standard protection measures for the eastern indigo snake are incorporated into the project plan. This finding fulfills the requirements of the Act.

U.S. Department of Homeland Security
Federal Emergency Management Agency
3003 Chamblee Tucker Rd
Atlanta, Georgia 30341-4112



FEMA

 _____
Date 1/10/12

for David L. Hankla
Field Supervisor

December 19, 2011

RECEIVED
DEC 27 2011
U.S. FISH AND WILDLIFE SERVICE
JACKSONVILLE, FLORIDA

Dr. Heath Rauschenberger
North Florida Ecological Services Office
7915 Baymeadows Way, Suite 200
Jacksonville, FL 32256-7517

Subject: Informal Consultation
Request for Finding of Not Likely to Adversely Affect

Project: 2010-PU-K016-IJ#1
Proposed Construction of Two Communications Towers

Location: Canaveral Port Authority Tower Project, Cape Canaveral, Brevard County, Florida

Dear Dr. Rauschenberger:

The Federal Emergency Management Agency (FEMA), using funding authorized under the Homeland Security Grant Program, plans to fund construction of two lattice communication towers located at 28°25'5.92"N and -80°37'9.68"W and 28°24'13.32"N and -80°36'43.81"W in Port Canaveral. The project includes construction of two 160 foot self supporting lattice communication towers on separate 17' x 17' concrete pads and an equipment shelter on these concrete pads.

The following federally listed species are known to occur with Brevard County: West Indian Manatee, Southeastern Beach Mouse, Audubon's Crested Caracara, Florida Scrub-jay, Everglades Snail Kite, Wood Stork, Red-cockaded Woodpecker, Atlantic Salt Marsh Snake, Eastern Indigo Snake, Green Sea Turtle, Hawksbill Sea Turtle, Leatherback Sea Turtle, and Loggerhead Sea Turtle. The project also borders the Merritt Island National Wildlife Refuge. Project area is also located within Atlantic flyaway zone and has the potential to affect migratory birds.

In March 2006, an assessment of the Port Canaveral Protected Species was completed for the Canaveral Port Authority by Dial Cordy and Associates, Inc. The purpose of this report was to identify protected species and habitats due to an expansion of the facilities. The report documents the results of a field survey and includes the identification of gopher tortoises which were seen at this location. Furthermore, the survey lists the habitat types associated with the project area. This report is attached.

The proposed project sites are located within the developed Port Canaveral complex (see attached maps). The first tower (28°25'5.92"N, -80°37'9.68"W) will be constructed to the east of the Canaveral Port Authority

Maritime Center located at 8980 Columbia Road. The second tower (28°24'13.32"N, -80°36'43.81"W) is located to the northeast of the recently constructed Maritime Operations Center located at 9290 Grouper Road. Proposed project is for the construction of two 160 foot self-supporting lattice towers. Project will meet all applicable guidelines of the United States Fish and Wildlife Service's Service Guidance on the Siting, Construction, Operation, and Decommissioning of Communication Towers to reduce impacts to federally listed species and migratory birds.

Due to the minimization measures included within project design to reduce impacts to federally listed and migratory birds, FEMA has determined that the proposed project will not adversely affect threatened and endangered species and migratory birds. Therefore, we recommend a finding of "not likely to adversely affect" the listed protected species identified within Brevard County.

If you have questions or comments, please contact me at eric.thurston@fema.dhs.gov or 770-220-8817.

Sincerely,



Eric Thurston
Environmental Protection Specialist
FEMA

ATTACHMENTS:

Local Maps and Aerial Photos for Tower 1 and 2 Installations
Ground Level Photos for Tower 1 and 2
Soil Map for Tower 1 and 2
Wetlands Maps for Tower 1 and 2
Floodplain Map for Tower 1 and 2
Brevard County Endangered Species Report
Cape Canaveral Expansion Project Protected Species Report

APPENDIX H
Public Notices

Mailed to:

Canaveral Port Authority
Attn: Carol Noble
PO Box 267
Cape Canaveral, FL 32920

A daily publication by:



STATE OF FLORIDA
COUNTY OF BREVARD

Before the undersigned authority personally appeared KATHY CICALA, who on oath says that she is LEGAL ADVERTISING SPECIALIST of the FLORIDA TODAY, a newspaper published in Brevard County, Florida; that the attached copy of advertising being a

LEGAL NOTICE

Ad # (220444)	\$	84.43	the matter of:
Acct. # (6CA224)			
CANAVERAL PORT AUTHORITY			
the	Court	PUBLIC NOTICE	
IMPACT OF TWO PROPOSED 160' FREE STANDING COMMUNICATIONS TOWERS			

AD#220444,12/01/2010

PUBLIC NOTICE
Port Canaveral invites comments from any interested party on the impact of two proposed 160' free standing communications towers on any districts, sites, buildings, structures or objects significant in American history, archaeology, engineering or culture that are listed or determined eligible for listing in the National Register of Historic Places. The Interagency Maritime Operations Center communications towers will be located at 8980 Columbia Road and 9290 Grouper Road at Port Canaveral. For more information and to submit comments regarding potential effect on Historic Properties to Carol Noble, Environmental Director, 445 Challenger Road, P.O. Box 267, Cape Canaveral, FL 32920, (321)783-7831x256, or electronically at cnoble@portcanaveral.com. Comments must be received by December 30, 2010

as published in the FLORIDA TODAY in the issue(s) of:

December 1, 2010

Affiant further says that the said FLORIDA TODAY is a newspaper in said Brevard County, Florida, and that the said newspaper has heretofore been continuously published in said Brevard County, Florida, regularly as stated above, and has been entered as periodicals matter at the post office in MELBOURNE in said Brevard County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in said newspaper.

Kathy Cicala
(Signature of Affiant)

1st day of December, 2010

Mary Griffin
(Signature of Notary Public)

Sworn to and subscribed before this:



MARY GRIFFIN
NOTARY PUBLIC
STATE OF FLORIDA
Comm# DD0933769
Expires 10/19/2013

Mary Griffin

(Name of Notary Typed, Printed or Stamped)

Personally Known X or Produced Identification _____
Type Identification Produced: _____

Public Notice Scheduled for Advertisement on December 1 and 5, 2012
Canaveral Port Authority Interoperable Communications Project
Cape Canaveral, Brevard County, Florida
PSGP 2010-PU-T0-K016-IJ

Interested parties are hereby notified that the Federal Emergency Management Agency (FEMA) prepared a Draft Environmental Assessment (EA) of the Proposed Action to build a new communication tower and install six low profile antennas for the Port Wide Interoperable Communications Infrastructure Project in Port Canaveral, at 445 Challenger Road, Cape Canaveral, Florida. The communication tower would be a 160 foot (ft) high, free standing lattice tower; on a 17 ft wide, 17 ft long, 4 ft deep concrete pad. The 1 ft diameter antennas would either be pole or wall mounted to existing structures in the Port's northwest corner. This Proposed Action is to upgrade the Port communications system to provide needed reliable transfer of sensitive and classified voice, data, video, and multi-media communications throughout the Port and among its stakeholders. Construction is planned for late 2012 and early 2013, to take about 30 to 60 days total. Per the National Environmental Policy Act (42 U.S.C. 4371 et seq.), related laws, and FEMA regulations (44 CFR Part 10), FEMA wrote the Draft EA to evaluate and summarize the Proposed Action's purpose and need, alternatives, site selection process, affected environment, and the Proposed Action and Alternatives' potential environmental impacts. The 15-day Public Comment period is December 1 through December 16, 2012. A Public Notice advertising the availability of this Draft EA for public review and comment will be published in "Florida Today" on December 1, 2012 and December 5, 2012. Written comments on the Draft EA or related matters may be faxed to FEMA's Region IV Office at (770) 220-5440; emailed to FEMA-R4EHP@dhs.gov; or mailed to William Straw, FEMA R4 REO, 3003 Chamblee Tucker Road, Atlanta GA, 30341-4112. The Draft EA may be viewed and downloaded from FEMA's website: <http://www.fema.gov/environmental-planning-and-historic-preservation-program/environmental-documents-public-notices-2>. The Draft EA will also be available for public review at the Cape Canaveral Public Library, 201 Polk Avenue, Cape Canaveral, Florida on Monday 12:00 pm to 8:00 pm, Tuesday through Friday 9:00 am to 5:00 pm, and Saturday 10:00 am to 2:00 pm. Based on FEMA's findings to date, we anticipate no significant adverse effects on the natural or cultural environment. If significant new, contrary information is received, FEMA will revise its findings, issue second Public Notice for additional comments, and address substantial comments in the final documents. If no significant new, contrary comments are received, the Draft EA will become the Final EA, this initial Public Notice will also serve as final Public Notice, and FEMA will issue a Finding of No Significant Impact (FONSI).



APPENDIX I
Summary of Anticipated Effects from Project Alternatives

**ANTICIPATED EFFECTS FROM THE
NO ACTION ALTERNATIVE, PROPOSED ACTION ALTERNATIVE,
AND ALTERNATIVE ACTION**

Resource Type	Anticipated Effects from the No Action Alternative	Anticipated Effects from the Proposed Action Alternative
Physical	No effect	Short-term minor adverse
Water	No effect	No effect
Coastal	No effect	No effect
Biological	No effect	No effect
Cultural	No effect	No effect
Socioeconomic	Moderate Adverse Effects	Moderate Beneficial Effects