



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, JACKSONVILLE DISTRICT
TAMPA PERMITS SECTION
10117 PRINCESS PALM AVE, SUITE 120
TAMPA, FLORIDA 33610-8302

REPLY TO
ATTENTION OF

August 21, 2019

Regulatory Division
West Permits Branch
Tampa Permits Section
SAJ-2019-02720 (RP-KRD)

Mr. Dennis Simpson
Pinellas County
14 S. Ft. Harrison Avenue
Clearwater, Florida 33756
Sent via Email: dsimpson@pinellascounty.org

Dear Mr. Simpson:

The U.S. Army Corps of Engineers (Corps) has completed reviewed of your application for a Department of the Army (DA) permit, which the Corps received on July 29, 2019 and assigned DA file number SAJ-2019-02720 (NW-KRD). A review of the information and drawings provided indicates that the proposed work would result in the removal of the existing 20-inch reclaimed water main attached to the FDOT/SR-693 southbound bridge and installation of a new 24-inch HDPE pipe via HDD under Boca Ciega Bay between the SR-693/Pasadena Avenue South bridges, in Section 36, Township 31 South, Range 15 East, South Pasadena, Pinellas County, Florida. Approximate center coordinates: Latitude 27.751287 and Longitude -82.740784.

You are authorized to conduct the work as described above and as depicted on the enclosed drawings (Enclosure 1) by Regional General Permit (GP) SAJ-14 - *Subaqueous Utility and Transmission Lines in Florida*. You must ensure that the work is performed in accordance with the SAJ-14 Special Conditions (Enclosure 2) and the Project-Specific Special Conditions listed below or you may be subject to enforcement action. This DA permit authorization is being issued pursuant to Section 10 of the Rivers and Harbors Act of 1899 (Section 10). Section 10 requires prior authorization for structures and work in, over, under, and affecting navigable waters. This authorization is valid until **February 22, 2024**.

You can also access the Corps' Regulatory webpage to view the special and general conditions for SAJ-14, which apply specifically to this authorization. The website address is as follows: <http://www.saj.usace.army.mil/Missions/Regulatory/SourceBook.aspx>. Please be aware this web address is case sensitive and should be entered as it appears above. Once there you will need to click on "General Permits." Then you can click on the specific SAJ permit.

Project Specific Special Conditions:

The following project specific special conditions are included with this verification:

- 1. Reporting Addresses:** The Permittee shall submit all reports, notifications, documentation and correspondence required by the general and special conditions of this permit to the following address:

- a. For standard mail: U.S. Army Corps of Engineers, Regulatory Division, Special Projects & Enforcement Branch, Tampa Office (ATTN: Tracy Hurst), 10117 Princess Palm Avenue, Suite 120, Tampa, Florida 33610-8302.
 - b. For electronic mail: SAJ-RD-Enforcement@usace.army.mil (not to exceed 10 MB). To submit files larger than 10MB, contact the Corps to obtain a code/link to our Secure Access File Exchange. Once you have received your code, go to <https://safe.apps.mil/> to "Drop-off" (upload) your file. The Permittee shall reference this DA permit number, SAJ-2019-00688, on all submittals.
2. **Commencement Notification:** Within ten (10) days from the date of initiating the work authorized by this permit the Permittee shall provide a written notification of the date of commencement of authorized work to the Corps at the address provided in Project Specific Special Condition #1.
3. **As-Built Certification:** You must provide the required as-built certification and plans as specified in Regional General Permit (GP) SAJ-14 Special Condition #34 (Enclosure 2). Submit the as-built certification (Enclosure 3) and plans to at the email address provided in Project Specific Special Condition #1 above.
4. **Authorized Depth:** All subaqueous utility and/or transmission lines authorized by this regional general permit must be installed a minimum of 14 feet below the authorized depth of any federally-maintained shallow draft navigation channel it crosses. The 14-foot criterion applies to the entire authorized width of the channel, plus a minimum of 25 feet outside the channel edges to allow for maintenance of the side slopes.
5. **Manatee Conditions:** The Permittee shall comply with the 2013 *Standard Manatee Conditions for In-Water Work* provided as an attachment to this permit (Enclosure 2).
6. **National Marine Fisheries Service's Jacksonville District's Programmatic Biological Opinion (JAXBO) Project Design Criteria (PDC) Conditions:** The permittee shall comply with the following PDCs and special conditions to ensure the project does not have an adverse impact on listed species protected under Section 7 of the Endangered Species Act.
 - a. **Project Design Criteria (PDCs) for In-Water Activities:** The Permittee shall comply with National Marine Fisheries Service's "PDCs for In-Water Activities" dated November 20, 2017 (Figure 3 in Enclosure 2).
7. **Frac-Out Contingency Plan:** The Permittee shall comply with the Frac-out contingency plan (Enclosure 1). In the event of a frac-out, the permittee shall notify the Corps within 48 hours of the incident. Notification shall include the time/location of the frac-out, an estimate of the area/volume of the discharge, and a description of impacts to aquatic resources, e.g., seagrass, mangrove, hard bottom. Additionally, the notification shall include measures being taken to contain the discharge and protect aquatic resources. Drilling mud (fluid) discharged as a result of the Frac-out shall be removed from Corps

jurisdictional waters and wetlands, and the area restored to pre-impact conditions to the extent determined to be practicable by the Corps.

- 8. Posting of Permit:** The Permittee shall ensure that all contractors, subcontractors, and entities associated with the implementation of the project review, understand, and comply with the approved plans and special conditions made part of this permit. The Permittee shall inform all parties associated with the activity of the construction area boundaries and the location of adjacent wetlands to be avoided. Complete copies of the permit and approved plans shall be available at the construction site at all times. Failure to comply with the approved plans and permit special conditions may subject the Permittee to enforcement action.
- 9. Regulatory Agency Changes/Approvals:** Should any other agency require and/or approve changes to the work authorized or obligated by this permit, the Permittee is advised a modification to this permit instrument is required prior to initiation of those changes. It is the Permittee's responsibility to request a modification of this permit from the Tampa Permits Section. The Corps reserves the right to fully evaluate, amend, and approve or deny the request for modification of this permit.

This letter of authorization does not obviate the necessity to obtain any other Federal, State, or local permits, which may be required. Prior to the initiation of any construction, projects qualifying for this Nationwide permit must qualify for an exemption under section 403.813(1), Florida Statutes or 373.406, Florida Statutes, or otherwise be authorized by the applicable permit required under Part IV of Chapter 373, Florida Statutes, by the Department of Environmental Protection, a water management district under section 373.069, Florida Statutes, or a local government with delegated authority under section 373.441, Florida Statutes, and receive Water Quality Certification and applicable Coastal Zone Consistency Concurrence or waiver thereto, as well as any authorizations required for the use of state-owned submerged lands under Chapter 253, Florida Statutes, and, as applicable, Chapter 258, Florida Statutes. You should check State-permitting requirements with the Florida Department of Environmental Protection or the appropriate water management district.

This letter of authorization does not include conditions that would prevent the 'take' of a state-listed fish or wildlife species. These species are protected under sec. 379.411, Florida Statutes, and listed under Rule 68A-27, Florida Administrative Code. With regard to fish and wildlife species designated as species of special concern or threatened by the State of Florida, you are responsible for coordinating directly with the Florida Fish and Wildlife Conservation Commission (FWC). You can visit the FWC license and permitting webpage (<http://www.myfwc.com/license/wildlife/>) for more information, including a list of those fish and wildlife species designated as species of special concern or threatened. The Florida Natural Areas Inventory (<http://www.fnai.org/>) also maintains updated lists, by county, of documented occurrences of those species.

This letter of authorization does not give absolute Federal authority to perform the work as specified on your application. The proposed work may be subject to local building restrictions mandated by the National Flood Insurance Program. You should contact your local office that

issues building permits to determine if your site is located in a flood-prone area, and if you must comply with the local building requirements mandated by the National Flood Insurance Program.

Thank you for your cooperation with our permit program. The Corps Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to complete our automated Customer Service Survey at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey. Please be aware this Internet address is case sensitive; and, you will need to enter it exactly as it appears above. Your input is appreciated – favorable or otherwise.

Should you have any questions related to this NWP verification or have issues accessing the documents reference in this letter, please contact me via telephone at (813) 769-7076 or via e-mail at Katy.R.Damico@usace.army.mil.

Sincerely,

A handwritten signature in blue ink that reads "Katy R. Damico". The signature is written in a cursive style.

Katy R. Damico
Project Manager
Tampa Permits Section

Enclosures

Cc (via email):

Kevin Gerszuny, Kimley-Horn, Kevin.Gerszuny@kimley-horn.com

GENERAL CONDITIONS
33 CFR PART 320-330

1. The time limit for completing the work authorized ends on **February 22, 2024**.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit.
6. You must allow a representative from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

DA PERMIT NUMBER: SAJ-2019-02720 (RP-KRD)

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.

To validate the transfer of this permit and the associated responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Enforcement Section, Post Office Box 4970, Jacksonville, FL 32232-0019.

(TRANSFEREE-SIGNATURE)

(SUBDIVISION)

(DATE)

(LOT)

(BLOCK)

(NAME-PRINTED)

(STREET ADDRESS)

(MAILING ADDRESS)

(CITY, STATE, ZIP CODE)



SOUTH PASADENA RECLAIMED WATER MAIN RELOCATION 90% DESIGN

PID 2936B FINANCIAL PID 2936B

PINELLAS COUNTY
LOCATION MAP



PROJECT LOCATION



SECTION 30, TOWNSHIP 31 SOUTH, RANGE 16 EAST

KEY MAP
NOT TO SCALE

SHEET NO.	DESCRIPTION
01	COVER SHEET
02 - 04	GENERAL NOTES
05 - 06	PLAN & PROFILE
07 - 08	DETAILS

PROJECT MANAGER: DENNIS SIMPSON, P.E.
727-464-4223

PINELLAS COUNTY
14 SOUTH FORT HARRISON AVENUE
CLEARWATER, FLORIDA 33756
PHONE: (727)464-3588

PREPARED BY:



US Army Corps of Engineers
Tampa Permits Section
Received by CESAJ-RD-WTK/RD
Date: August 15, 2019

RELATED STANDARDS AND SPECIFICATIONS:

- | DOCUMENT | DESCRIPTION |
|----------|--|
| D-1 | U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, 2008. |
| D-2 | FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" DIVISION II & III LATEST EDITION AND ALL SUPPLEMENTAL STANDARDS THERETO. |
| D-3 | STATE OF FLORIDA "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS", 2009 ("GREEN BOOK"). |
| D-4 | FLORIDA DEPARTMENT OF TRANSPORTATION "DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM" 2012. |
| D-5 | FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL, 2008. |
| D-6 | STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, LATEST EDITION. |
| D-7 | PINELLAS COUNTY PUBLIC WORKS "STANDARD TECHNICAL SPECIFICATIONS FOR UTILITY AND RELATED CONSTRUCTION", LATEST EDITION AVAILABLE ON-LINE (http://www.pinellascounty.org/technical/pdf/material-spec-specs-january-2018.pdf). |
| D-8 | PINELLAS COUNTY "STANDARD ENGINEERING DETAILS", LATEST EDITION AVAILABLE ON-LINE (http://www.pinellascounty.org/technical). |
| D-9 | PINELLAS COUNTY STANDARD TECHNICAL SPECIFICATIONS FOR UTILITIES AND RELATED CONSTRUCTION, LATEST EDITION AVAILABLE ONLINE (http://www.pinellascounty.org/utilities/pdf/eng_tech_specs.pdf). |
| D-10 | PINELLAS COUNTY UTILITIES "MATERIAL SPECIFICATION MANUAL", LATEST EDITION AVAILABLE ON-LINE (http://www.pinellascounty.org/technical/pdf/material-spec-manual.pdf). |
| D-11 | PINELLAS COUNTY "SPECIFICATIONS FOR HOT BITUMINOUS MIXTURES, PLANT METHODS, EQUIPMENT AND CONSTRUCTION METHODS, 2013. |

NOTE: PROVISIONS OF DOCUMENT D-11 SHALL SUPERSEDE CORRESPONDING PROVISIONS OF DOCUMENT D-2 WITH RESPECT TO OPERATION AND TESTING.

EXCAVATION AND GRADING

- ALL SUB-BASES SHALL BE GOOD, CLEAN, ACCEPTABLE MATERIAL COMPACTED TO MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99, IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- FINAL GROUND COVER FOR ALL AREAS OF EXPOSED EARTH RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE SODDED AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. SEEDING SHALL NOT BE USED AS FINAL GROUND COVER EXCEPT WHERE SPECIFICALLY SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE ALL SHEETING, SHORING, AND BRACING TO MAINTAIN PROPER GRADE OF PLANTING AREAS, AND THE SOD SHALL BE PROPERLY CUT-IN AND TAMPED. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR SODDING (SY).
- SOD STABILIZATION SHALL OCCUR IMMEDIATELY AFTER ACHIEVING FINAL GRADE. ALL SLOPES STEEPER THAN 3:1 SHALL INCLUDE SOD STAPLING OR STAKING. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR SODDING (SY).
- THE CONTRACTOR SHALL PROVIDE ALL SHEETING, SHORING, AND BRACING REQUIRED TO PROTECT ADJACENT STRUCTURES AND UTILITIES OR TO MINIMIZE TRENCH WIDTH. THE COST OF ALL SHEETING, SHORING, AND BRACING REQUIRED SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE ITEM OF WORK FOR WHICH SHEETING, SHORING, AND BRACING IS REQUIRED.
- UNSATURABLE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF-SITE, AT A SATURABLE SITE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE

- ALL EXCESS EXCAVATED SUITABLE AND UNSUITABLE MATERIAL NOT CLAIMED BY THE COUNTY SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH THE COUNTY'S STANDARD SPECIFICATIONS. Hauling, dumping and other costs incurred shall be included in the unit price bid for grading (lump sum).
- BORROW MATERIAL REQUIRED FOR CONSTRUCTION SHALL BE PROVIDED BY THE CONTRACTOR FROM BORROW AREAS PROVIDED BY THE CONTRACTOR.
- COST OF FURNISHING, PLACING, AND COMPACTING FILL TO REPLACE UNSUITABLE MATERIAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR ALL EARTHWORK OPERATIONS, CONNECTIONS, FINAL DRESSING, AND SIMILAR EARTHWORK OPERATIONS REQUIRED FOR THE COMPLETION OF THE PROJECT, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ANY GRADING OR CONSTRUCTION DEPICTED ON THE PLANS BEYOND THE RIGHT-OF-WAY AND WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PERFORMED ONLY AFTER RECEIPT OF PERMISSION FROM THE PROPERTY OWNER THROUGH A RIGHT OF ENTRY AGREEMENT AND/OR A SIDEWALK, UTILITY, OR DRAINAGE EASEMENT. ONLY AFTER NOTIFICATION BY THE ENGINEER THAT THE AGREEMENT/PERMIT HAS BEEN OBTAINED SHALL THE CONTRACTOR PROCEED WITH THE WORK. BEFORE THE CONTRACTOR SHALL OBTAIN THE PROPER AUTHORIZATION FROM THE ENGINEER, IN ORDER TO KEEP WITHIN THE EXISTING RIGHT-OF-WAY.

SIDEWALK AND DRIVEWAY RESTORATION

- ALL EXISTING AND PROPOSED UTILITY AND STORM SEWER STRUCTURE TOPS THAT WILL BE EXPOSED WITHIN ANY SIDEWALK OR PAVED AREA SHALL BE ADJUSTED SO THAT THE TOP SURFACE OF COVERS OR FRAMES SHALL BE WITHIN 1/8" OF FINISHED GRADE. SIDEWALK FRAMES SHALL BE PROPOSED WITHIN STORM SEWER STRUCTURE TOPS THAT WILL BE EXPOSED WITHIN UNPAVED AREAS SUBJECT TO VEHICULAR BICYCLE, OR PEDESTRIAN TRAFFIC SHALL BE ADJUSTED SO THAT THE TOP SURFACE OR COVERS OR FRAMES SHALL BE NO MORE THAN ONE INCH ABOVE THE FINISHED GRADE. WHERE SODDING IS APPLIED, "FINISHED GRADE" SHALL BE THE NOMINAL HEIGHT OF GRASS AFTER THE SOD IS FIRMLY PLACED.
- ANY PRIVATELY OWNED FEATURES LOCATED ON PRIVATE PROPERTY AND OUTSIDE THE DESIGNATED AREA OF CONSTRUCTION DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED IN A TIMELY MANNER, AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL DISTURB NO MORE GROUND THAN WHAT IS NECESSARY FOR CONSTRUCTION. NO OPEN EXCAVATED TRENCH, OR OTHER UNSAFE CONDITION, WILL BE LEFT OVERTNIGHT. ALL WORK SITES WILL BE COMPLETELY RESTORED WITHIN SEVEN (7) CALENDAR DAYS OF THE CONCRETE POUR FOR SIDEWALK. THE INTENT OF THIS PROVISION IS TO "SAFE UP" THE PROJECT SITE AS WORK PROGRESSES, AND SHALL INCLUDE REMOVING FORMS, FILLING HOLES, GRADING, AND REMOVAL OF DEBRIS.
- SIDEWALK SHALL BE CONSTRUCTED ACCORDING TO FDOT INDEX 310, AND SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO FDOT INDEX 304, UNLESS A SEPARATE DETAIL IS PROVIDED. SIDEWALK RAMPS SHALL BE CONSTRUCTED TO A MINIMUM THICKNESS OF SIX (6) INCHES AND SHALL BE REINFORCED WITH EITHER WELDED WIRE FABRIC OR REINFORCING STEEL BARS, AS SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER. THE CONTRACTOR WILL INSTALL AN EXPANSION JOINT AT EACH END OF A CURB CUT.
- THE CONTRACTOR WILL REQUEST A PRE-POUR INSPECTION BY THE COUNTY ENGINEER. THE CONTRACTOR SHALL NOT POUR ANY SIDEWALK OR SIDEWALK RAMP CONCRETE UNTIL IT PASSES A "PRE-POUR" INSPECTION AND COUNTY INSPECTOR APPROVES THAT ALL DE-ROOTING AND CLEARING AND GRUBBING REQUIREMENTS, IF ANY, ARE PERFORMED IN ACCORDANCE WITH THIS SPECIFICATION, TO VERIFY THAT ALL FORM WORK IS SUFFICIENT, AND THAT THE SUBGRADE IS CUT TO THE PROPER DEPTH AND COMPACTED PROPERLY. WORK NOT IN

ACCORDANCE WITH A COUNTY "POST-POUR" INSPECTION MAY REQUIRE THE COMPLETE REMOVAL OF REJECTED WORK OR RESULT IN A REDUCED PAYMENT OF THE DELIVERABLE. THE PRE-POUR INSPECTION APPROVAL SHALL NOT RELEASE THE CONTRACTOR FROM THE RESPONSIBILITY OF COMPLETING ALL WORK IN ACCORDANCE WITH PLANS AND SPECIFICATIONS OR DIRECTIONS OF THE ENGINEER.

- THE CONTRACTOR SHALL REMOVE AND DISPOSE, IN AREAS PROVIDED BY THE CONTRACTOR, ALL EXCESS CONCRETE BYPRODUCTS (CURB, SIDEWALK, ETC).
- ALL SIDEWALK DAMAGED BY THE CONTRACTOR OR SUBCONTRACTORS SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR, AT THE DIRECTION OF THE ENGINEER.

- SIDEWALK CURB RAMPS SHALL BE PAID FOR AS DEFINED BY FDOT "DESIGN STANDARDS" INDEX 304 (FROM BACK OF CURB TO THE LANDING, INCLUDING CURB AND TACTILE PAD).

UTILITIES

- EXCEPT WHERE THE PLANS AND SPECIFICATIONS PROVIDE THAT SUCH WORK SHALL BE PERFORMED UNDER THE CONTRACT FOR THIS PROJECT, ALL UTILITIES INTERFERING WITH CONSTRUCTION SHALL BE REMOVED, RELOCATED, OR ADJUSTED BY THEIR OWNERS TO ALLOW UTILITY OWNERS TIME FOR THE NECESSARY RELOCATION AND ADJUSTMENT OF UTILITIES AND RELATED STRUCTURES. THE OWNERS HAVING LINES AND FACILITIES ARE INCLUDED BUT NOT LIMITED TO THE FOLLOWING:

- DUKE ENERGY
- FRONTIER COMMUNICATIONS
- KNOLLOGY BROADBAND OF FLORIDA
- PINELLAS COUNTY UTILITIES
- TECO PEOPLES GAS, ST. PETERSBURG
- PINELLAS COUNTY HIGHWAY ENGINEERING COMMUNICATIONS
- LEVEL 3 COMMUNICATIONS
- UNIT FIBER

- ABOVE GROUND AND/OR UNDERGROUND UTILITIES MAY BE IN THE AREA OF THIS PROJECT - PROCEED WITH CAUTION - THE CONTRACTOR SHALL CALL "SUNSHINE STATE ONE CALL" AND THE UTILITY OWNERS IN ADVANCE OF BEGINNING WORK, IN ACCORDANCE WITH CHAPTER 556, FLORIDA STATUTES, UNDERGROUND FACILITY DAMAGE PREVENTION & SAFETY. ALL UTILITY OWNERS MAY NOT BE A MEMBER, REQUIRING DIRECT CONTACT WITH THE UTILITY OWNERS TO RESOLVE CONFLICTS THAT MAY ARISE IN THE FIELD DURING CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY UTILITIES DAMAGED AS A RESULT OF THE CONTRACTOR'S FAILURE TO CALL "SUNSHINE STATE ONE CALL" AND THE UTILITY OWNERS.

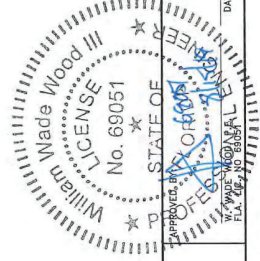
- THE CONTRACTOR IS REQUIRED TO COORDINATE AND/OR PROVIDE FOR THE BRACING/SUPPORT OF EXISTING UTILITY POLES WITH THE UTILITY OWNERS, PRIOR TO THE COMMENCEMENT OF EXCAVATION/CONSTRUCTION ACTIVITIES.

- THE CONTRACTOR SHALL PROVIDE TEMPORARY FACILITIES AS REQUIRED TO ISOLATE PIPELINES INSTALLED UNDER THIS CONTRACT FOR THE PERFORMANCE OF TESTING UNDER THIS CONTRACT. LIKEWISE, PROVIDE TEMPORARY FACILITIES AS REQUIRED TO MAINTAIN WASTEWATER SERVICE THROUGHOUT THE CONSTRUCTION PERIOD.

- ALL EXISTING WATER MAINS, SANITARY SEWER LINES, WATER/SEWER PUMP STATIONS AND OTHER UTILITIES SHALL REMAIN IN SERVICE UNTIL THE RELOCATED UTILITIES ARE PLACED IN SERVICE. COORDINATE ALL UTILITY RELATED CONSTRUCTION ACTIVITIES WITH THE OWNER OF THESE UTILITIES.

- ALL CONSTRUCTION WITHIN THE RIGHT-OF-WAY WILL BE IN ACCORDANCE WITH THE PRACTICES REQUIRED BY PINELLAS COUNTY LAND DEVELOPMENT CODE, CHAPTER 170, ARTICLE V, SECTION 170-266 THROUGH 170-276, ALONG WITH THE FDOT UTILITY ACCOMMODATION MANUAL.

- CONTRACTOR WILL NOTIFY THE RESPONSIBLE UTILITY FOR RELOCATION OF METER BOXES FOR DRINKING WATER AND RECLAIMED WATER SERVICES.



DATE:	8/15/19
PROJECT NO.:	28356B
SHEET:	03 OF 05
APPROVED BY:	DATE:
DESCRIPTION:	UTILITIES
GENERAL NOTES	14 S. FT. HARRISON AVE., CLEARWATER, FL 33756

REVISION	WWW	PROJECT:	SOUTH PASADENA RECLAIMED WATER MAIN RELOCATION
ISSUED	BDD		
REVISED	KEG		
REV. BY			
REV. NO.			
DATE			

US Army Corps of Engineers
Tampa Permits Section

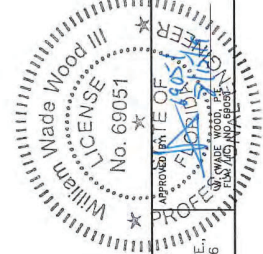
Approved by CESALRD-WTK/RD

Date: August 15, 2019

PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL AND PREVENT EROSION AND THE TRANSPORTATION OF SEDIMENT TO SURFACE DRAINS AND OUTFALLS USING BEST MANAGEMENT PRACTICES. REFER TO CONSTRUCTION BEST MANAGEMENT PRACTICES (C-BMP) FOR BEST MANAGEMENT PRACTICES. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN THEY REACH ONE HALF THE HEIGHT ON AN EROSION DEVICE OR AS DIRECTED BY THE ENGINEER.
2. PRIORS THE CONSTRUCTION OF DRAINAGE STRUCTURES AND OTHER STRUCTURES REQUIRING EXCAVATION, THE CONTRACTOR SHALL PLACE APPROVED BARRIERS OR OTHER APPROVED DEVICES AROUND SUCH STRUCTURES TO PREVENT EROSION AND THE MIGRATION OF SEDIMENT TO POINTS OUTSIDE THE CONSTRUCTION AREA. THE APPROVED BARRIERS OR DEVICES SHALL BE INSTALLED, CONSTRUCTED OR, IN THE CASE OF VEGETATIVE BUFFERS, PROTECTED FROM DISTURBANCE, AS A FIRST STEP IN THE LAND ALTERATION PROCESS.
3. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE NECESSARY DEWATERING PERMITS FROM THE LOCAL WATER MANAGEMENT DISTRICT OR OTHER REGULATORY AGENCY.
4. SUBMIT A DEWATERING PLAN TO THE ENGINEER FOR HIS RECORDS BEFORE BEGINNING CONSTRUCTION.
5. WHERE PUMPS ARE TO BE USED TO REMOVE TURBID WATER FROM THE CONSTRUCTION AREA, THE WATER SHALL BE TREATED TO REDUCE TURBIDITY TO 5 NTU. TREATMENT METHODS INCLUDE, FOR EXAMPLE, TURBID WATER BEING PUMPED INTO GRASSED SWALES OR APPROPRIATE VEGETATED AREAS (OTHER THAN UPLAND PRESERVATION AREAS AND WETLAND BUFFERS), SEDIMENTS BASINS, OR AREAS CONFINED BY AN APPROPRIATE ENCLOSURE SUCH AS TURBIDITY TRAP. TURBIDITY SHALL BE CONTINUED UNTIL ITS TURBIDITY LEVEL MEETS STATE WATER QUALITY STANDARDS.
6. IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AFFECTED AREA USING SPRINKLING, BRIGATION, OR OTHER ACCEPTABLE METHODS.
7. WHERE APPLICABLE, SOIL TRACKING PREVENTION DEVICES SHALL BE PROVIDED AND MAINTAINED PER PINELLAS COUNTY EROSION & SEDIMENT CONTROL DETAILS.
8. THE EROSION CONTROL DEVICE QUANTITIES SHOWN ON THE BID FORMS ARE ESTIMATES OF THE ACTUAL QUANTITIES THAT MAY BE ENCOUNTERED DURING CONSTRUCTION. IS THE ESTIMATE ASSOCIATED WITH THIS SPECIFIC EROSION CONTROL IMPLEMENTATION SCHEDULE, EROSION CONTROL ITEMS MAY BE ADDED OR DELETED FROM THE PAY ITEM LIST AS THE EROSION CONTROL IMPLEMENTATION SCHEDULE PROVIDED BY THE CONTRACTOR IS MODIFIED TO MEET SITE SPECIFIC CONDITIONS.
9. ALL EROSION CONTROL FENCES, BARRIERS, AND SILTATION DEVICES SHALL BE ERECTED PRIOR TO ANY LAND ALTERATIONS, SHALL BE MAINTAINED IN GOOD WORKING ORDER DURING CONSTRUCTION, AND DEMOLISHED FOLLOWING FINAL STABILIZATION. WHEN CONSIDERING STOCKPILE AREAS SHALL INCLUDE SILT FENCING AROUND THE PERIMETER.
10. THE CONTRACTOR SHALL NOT RESTRICT OR BLOCK THE EXISTING DRAINAGE SYSTEMS OR EXISTING SWALES, DITCHES, OR PROPOSED DITCHES, EXISTING AND PROPOSED STORM SEWERS.
11. THERE IS TO BE NO DISCHARGE (I.E. PUMPING, SHEET FLOW, SWALE, DITCH, ETC.) INTO EXISTING DITCHES OR CANALS WITHOUT THE USE OF SETTLING PONDS. IF THE CONTRACTOR DESIRES TO DISCHARGE INTO EXISTING DITCHES OR CANALS A SETTLING POND PLAN PREPARED BY THE CONTRACTOR MUST BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD AND LOCAL REGULATORY AGENCY PRIOR TO CONSTRUCTION.
12. DURING DEWATERING OPERATIONS, THE CONTRACTOR SHALL NOT DISCHARGE DIRECTLY TO RECEIVING WATERS, EXISTING CONVEYANCES TO RECEIVING WATERS, OR EXISTING DITCHES, DITCHES, OR PROPOSED DITCHES, EXISTING OR PROPOSED. SILTATION REDUCTION DEVICES SHALL BE UTILIZED TO COLLECT THE DISCHARGE FROM DEWATERING ACTIVITIES TO ELIMINATE THE POTENTIAL FOR OFF-SITE SEDIMENT TRANSPORT AND TO INSURE THAT DIRECT DISCHARGE DOES NOT OCCUR.
13. BANKS SHALL BE PROTECTED FROM EROSION OR COLLAPSE DURING CONSTRUCTION. BANK PROTECTION MATERIAL SHALL BE CAREFULLY PLACED FROM THE BANK AND NOT DUMPED FROM ABOVE IN AN UNCONTROLLED MANNER. PROTECTION WHERE SOIL WILL NOT HOLD OR BECOME ESTABLISHED IN TIME TO PROTECT THE BANKS, UNLESS OTHERWISE SPECIFIED IN THE PLANS, UPON COMPLETION OF CONSTRUCTION, ALL BANKS AND WATERWAYS SHALL BE RESTORED TO THEIR PRE-CONSTRUCTION CONFIGURATION AND PROTECTED FROM EROSION.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING POND FILTRATION SYSTEMS FROM BEING CLOGGED UNTIL PINELLAS COUNTY DETERMINES THAT CONSTRUCTION IS COMPLETED. IF FILTRATION MEDIA IS CONTAMINATED, IT SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

DATE: 8/15/19
PROJECT NO. 29358B
SHEET: 04 OF 09



UTILITIES
14 S. FT. HARRISON AVE.,
CLEARWATER, FL 33756

GENERAL NOTES

DESCRIPTION:

SOUTH PASADENA
RECLAIMED WATER MAIN
RELOCATION



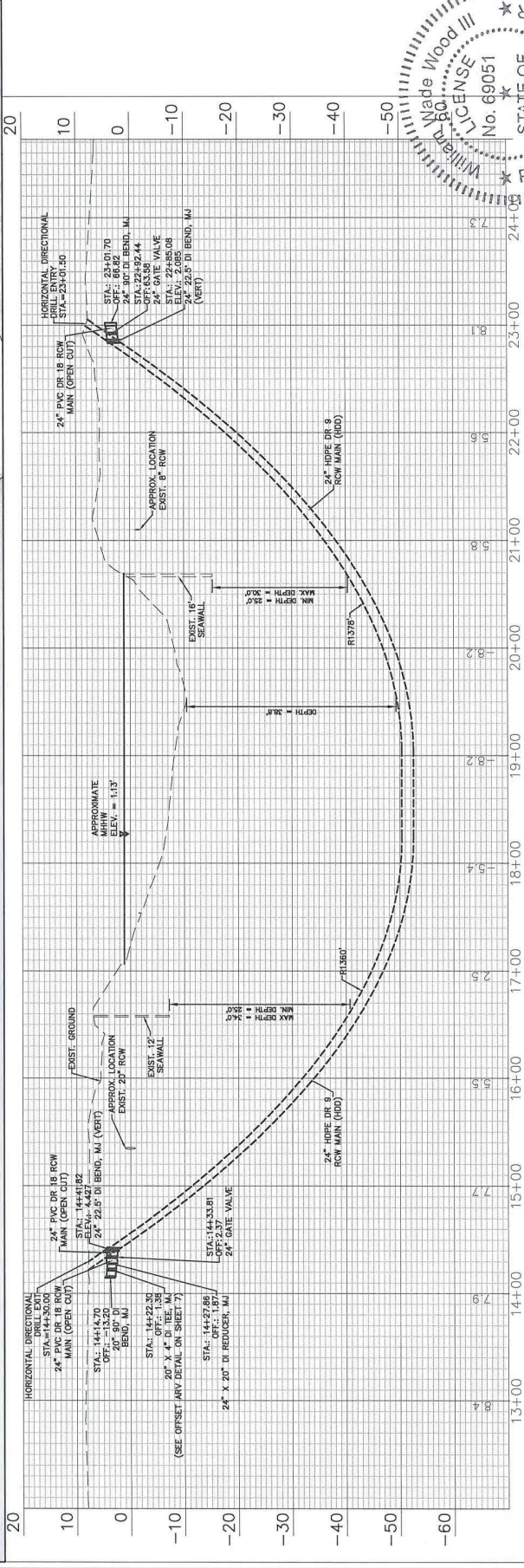
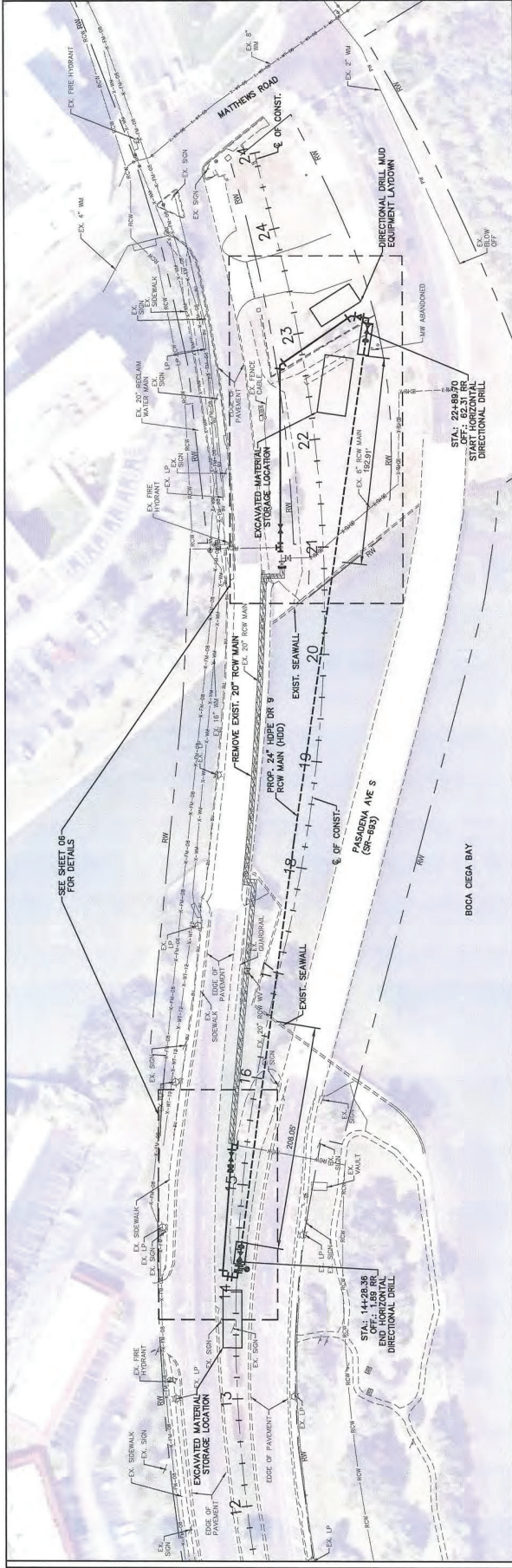
PROJECT:

DESIGNED	BY	CHECKED	DATE
WWV	BDD	KEG	
SKM			

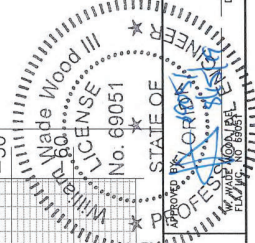
REV. NO.	DATE	REVISION	BY

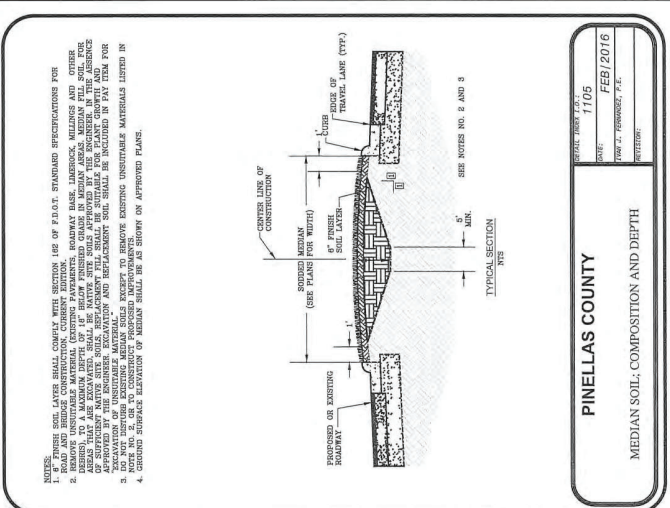
US Army Corps of Engineers
Tampa Permits Section
Reviewed by CESAJLRD-WJK/RD

Date: August 15, 2019



<p>US Army Corps of Engineers Tampa Permits Section Received by CESAJ-RD-WTK/RD Date: August 15, 2019</p>	<p>PROJECT: SOUTH PASADENA RECLAIMED WATER MAIN RELOCATION</p>	<p>DESCRIPTION: UTILITIES</p>	<p>DATE: 8/15/19</p>
<p>REV. NO. DATE</p>	<p>ISSUED BY: WWV</p>	<p>PROJECT NO.: 29368</p>	<p>PROJECT NO.: 29368</p>
<p>REV. BY: _____</p>	<p>CHECKED: _____</p>	<p>14 S. FT. HARRISON AVE., CLEARWATER, FL 33756</p>	<p>DATE: _____</p>
<p>REV. BY: _____</p>	<p>KEEP: _____</p>	<p>STATE OF FLORIDA</p>	<p>DATE: _____</p>
<p>REV. BY: _____</p>	<p>KEEP: _____</p>	<p>Professional Engineer No. 69051 FL No. 69051</p>	<p>DATE: _____</p>
<p>REV. BY: _____</p>	<p>KEEP: _____</p>	<p>Scale: 1"=50' Horiz. 1"=10' Vert.</p>	<p>DATE: _____</p>





NOTES:

1. 6\"/>

BRANCH

REDUCERS

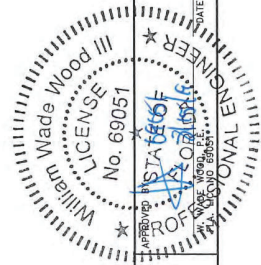
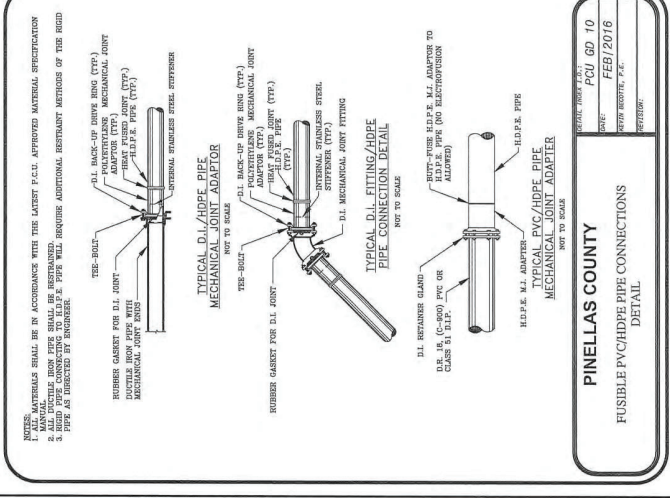
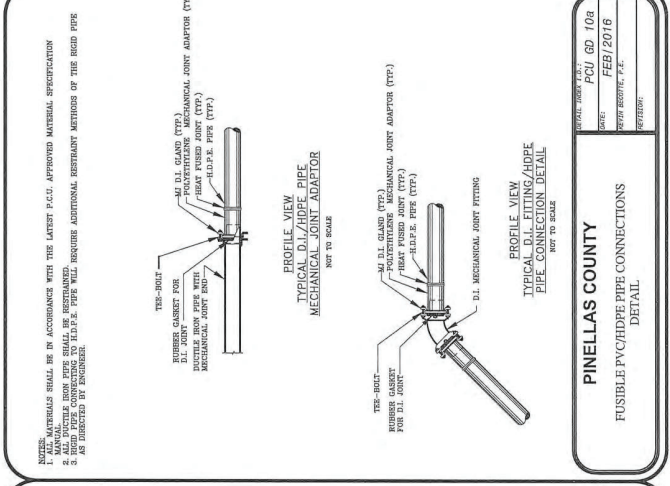
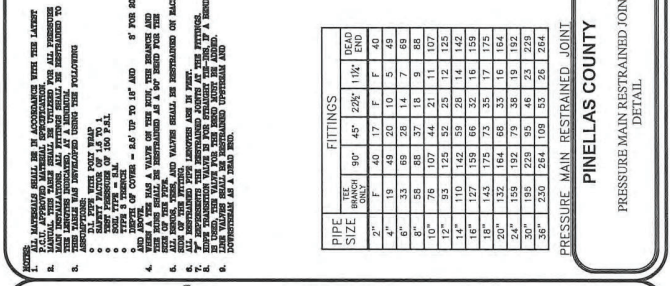
PIPE SIZE	REDUCER SIZE	REDUCER LENGTH
2"	2"	12"
4"	4"	12"
6"	6"	12"
8"	8"	12"
10"	10"	12"
12"	12"	12"
14"	14"	12"
16"	16"	12"
18"	18"	12"
20"	20"	12"
24"	24"	12"
30"	30"	12"
36"	36"	12"

FITTINGS

PIPE SIZE	FITTING SIZE	FITTING LENGTH
2"	2"	12"
4"	4"	12"
6"	6"	12"
8"	8"	12"
10"	10"	12"
12"	12"	12"
14"	14"	12"
16"	16"	12"
18"	18"	12"
20"	20"	12"
24"	24"	12"
30"	30"	12"
36"	36"	12"

PINELLAS COUNTY
MEDIAN SOIL; COMPOSITION AND DEPTH

DATE: 8/15/2019
PROJECT NO.: 2936B
SHEET: 08 OF 09



UTILITIES
14 S. FT. HARRISON AVE.,
CLEARWATER, FL 33766

DETAILS

PROJECT:
SOUTH PASADENA RECLAIMED
WATER MAIN RELOCATION



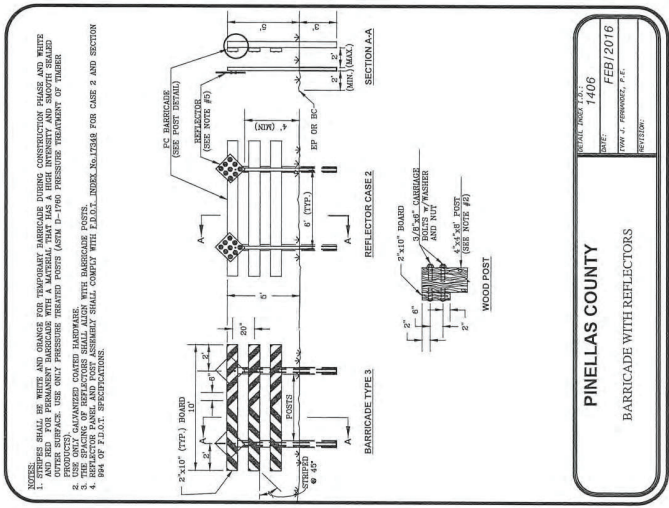
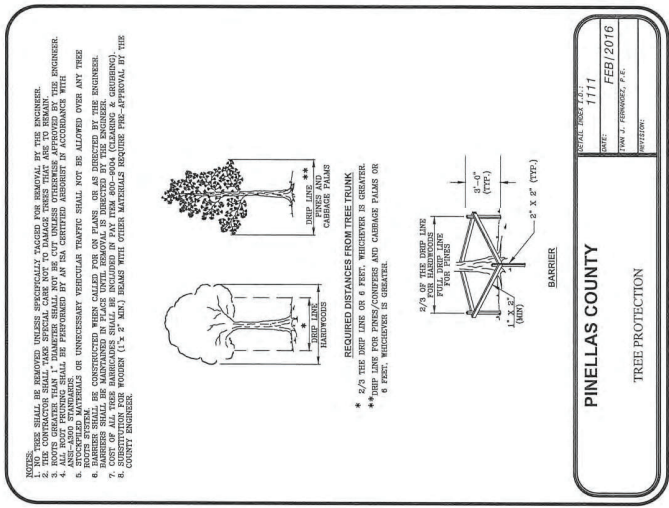
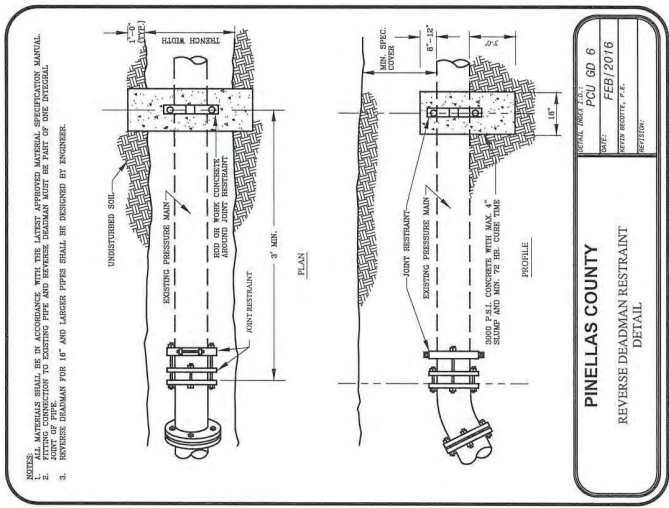
DESIGNED: WWV
DRAWN: BDD
CHECKED: KEG

REV. BY:

DATE:

REVISED BY: CESA-LRD-WT/KRD

US Army Corps of Engineers
Tampa Permits Section
Reviewed by CESA-LRD-WT/KRD
Date: August 15, 2019



NOTES:
 1. ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED MATERIAL SPECIFICATIONS MANUAL.
 2. FITTING CONNECTION TO EXISTING PIP AND REVERSE DEADMAN MUST BE PART OF ONE INTEGRAL CASTING.
 3. REVERSE DEADMAN FOR 18" AND LARGER PIPES SHALL BE DESIGNED BY ENGINEER.

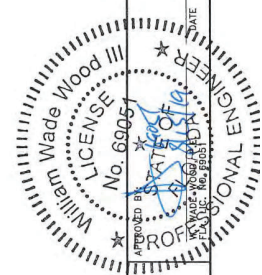
NOTES:
 1. THESE SHALL BE REMOVED UNLESS SPECIFICALLY TAGGED FOR REMOVAL BY THE ENGINEER.
 2. THE CONTRACTOR SHALL MAKE SURE THAT THE TREE IS NOT TO BE DAMAGED AND SHALL REMAIN HEALTHY.
 3. ALL ROOT PRUNING SHALL BE PERFORMED BY AN ISA CERTIFIED ARBORIST IN ACCORDANCE WITH THE TREE CARE INTERNATIONAL (TCI) STANDARD.
 4. STOCKPILING MATERIALS OR UNDESIRABLE VEHICULAR TRAFFIC SHALL NOT BE ALLOWED OVER ANY TREE CANOPY.
 5. BARRIERS SHALL BE CONSTRUCTED WHEN CALLED FOR ON PLANS OR AS DIRECTED BY THE ENGINEER.
 6. BARRIERS SHALL BE CONSTRUCTED WITH 2" X 4" OR 2" X 6" BEAMS WITH OTHER MATERIALS REQUIRING PRE-APPROVAL BY THE COUNTY ENGINEER.
 7. COST OF ALL TREE BARRICADES SHALL BE INCLUDED IN PAY FROM 600-800 (CLEARING & GRUBBING).
 8. COST OF ALL TREE BARRICADES SHALL BE INCLUDED IN PAY FROM 600-800 (CLEARING & GRUBBING).
 9. COUNTY ENGINEER.

NOTES:
 1. THESE SHALL BE WHITE AND GRANGE FOR TEMPORARY BARRICADE DURING CONSTRUCTION PHASE AND WHITE AND RED FOR PERMANENT BARRICADE WITH A MATERIAL THAT HAS A HIGH INTENSITY AND SMOOTH SURFACE.
 2. THE SPACING OF REFLECTORS SHALL BE 6 FEET.
 3. THE SPACING OF REFLECTORS SHALL BE 6 FEET.
 4. REFLECTORS AND POST ASSEMBLY SHALL COMPLY WITH F.D.O.T. INDEX No. 12345 FOR CASE 2 AND SECTION A-A OF THE I.D.T.S. SPECIFICATIONS.

PINELLAS COUNTY
 REVERSE DEADMAN RESTRAINT
 DETAIL

PINELLAS COUNTY
 TREE PROTECTION

PINELLAS COUNTY
 BARRICADE WITH REFLECTORS



DATE: 8/15/2019
 PROJECT NO. 2836B
 SHEET: 08 OF 09

UTILITIES
 14 S. FT. HARRISON AVE.,
 CLEARWATER, FL 33756

DETAILS

DESCRIPTION:
 SOUTH PASADENA RECLAIMED
 WATER MAIN RELOCATION



DESIGNED: WWV
 BDD
 DRAWN: BDD
 CHECKED: KEG
 REV. BY: _____

US Army Corps of Engineers
 Tampa Permits Section
 Approved by CESAJLRD-WT/KRD
 Date: August 15, 2019