

SUPPLEMENTAL CONDITIONS

State Funds Documentation

Pursuant to section 216.1366, F.S., if Contractor meets the definition of a non-profit organization under section 215.97(2)(m), F.S., Contractor must provide the Department with documentation that indicates the amount of state funds:

- i. Allocated to be used during the full term of the contract or agreement for remuneration to any member of the board of directors or an officer of Contractor.
- ii. Allocated under each payment by the public agency to be used for remuneration of any member of the board of directors or an officer of the Contractor.

The documentation must indicate the amounts and recipients of the remuneration. Such information must be posted on the State's the contract tracking system and maintained pursuant to section 215.985, F.S., and must be posted on the Contractor's website, if Contractor maintains a website.

**STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Special Audit Requirements
(State and Federal Financial Assistance)**

Attachment 5

The administration of resources awarded by the Department of Environmental Protection (*which may be referred to as the "Department", "DEP", "FDEP" or "Grantor", or other name in the agreement*) to the recipient (*which may be referred to as the "Recipient", "Grantee" or other name in the agreement*) may be subject to audits and/or monitoring by the Department of Environmental Protection, as described in this attachment.

MONITORING

In addition to reviews of audits conducted in accordance with 2 CFR Part 200, Subpart F-Audit Requirements, and Section 215.97, F.S., as revised (see "AUDITS" below), monitoring procedures may include, but not be limited to, on-site visits by DEP Department staff, limited scope audits as defined by 2 CFR 200.425, or other procedures. By entering into this Agreement, the recipient agrees to comply and cooperate with any monitoring procedures/processes deemed appropriate by the Department of Environmental Protection. In the event the Department of Environmental Protection determines that a limited scope audit of the recipient is appropriate, the recipient agrees to comply with any additional instructions provided by the Department to the recipient regarding such audit. The recipient further agrees to comply and cooperate with any inspections, reviews, investigations, or audits deemed necessary by the Chief Financial Officer (CFO) or Auditor General.

AUDITS

PART I: FEDERALLY FUNDED

This part is applicable if the recipient is a State or local government or a non-profit organization as defined in 2 CFR §200.330

1. A recipient that expends \$750,000 or more in Federal awards in its fiscal year, must have a single or program-specific audit conducted in accordance with the provisions of 2 CFR Part 200, Subpart F. EXHIBIT 1 to this Attachment indicates Federal funds awarded through the Department of Environmental Protection by this Agreement. In determining the federal awards expended in its fiscal year, the recipient shall consider all sources of federal awards, including federal resources received from the Department of Environmental Protection. The determination of amounts of federal awards expended should be in accordance with the guidelines established in 2 CFR 200.502-503. An audit of the recipient conducted by the Auditor General in accordance with the provisions of 2 CFR Part 200.514 will meet the requirements of this part.
2. For the audit requirements addressed in Part I, paragraph 1, the recipient shall fulfill the requirements relative to auditee responsibilities as provided in 2 CFR 200.508-512.
3. A recipient that expends less than \$750,000 in federal awards in its fiscal year is not required to have an audit conducted in accordance with the provisions of 2 CFR Part 200, Subpart F-Audit Requirements. If the recipient expends less than \$750,000 in federal awards in its fiscal year and elects to have an audit conducted in accordance with the provisions of 2 CFR 200, Subpart F-Audit Requirements, the cost of the audit must be paid from non-federal resources (i.e., the cost of such an audit must be paid from recipient resources obtained from other federal entities).
4. The recipient may access information regarding the Catalog of Federal Domestic Assistance (CFDA) via the internet at <https://sam.gov/content/assistance-listings>.

PART II: STATE FUNDED

This part is applicable if the recipient is a nonstate entity as defined by Section 215.97(2), Florida Statutes.

1. In the event that the recipient expends a total amount of state financial assistance equal to or in excess of \$750,000 in any fiscal year of such recipient (for fiscal years ending June 30, 2017, and thereafter), the recipient must have a State single or project-specific audit for such fiscal year in accordance with Section 215.97, F.S.; Rule Chapter 69I-5, F.A.C., State Financial Assistance; and Chapters 10.550 (local governmental entities) or 10.650 (nonprofit and for-profit organizations), Rules of the Auditor General. EXHIBIT 1 to this form lists the state financial assistance awarded through the Department of Environmental Protection by this agreement. In determining the state financial assistance expended in its fiscal year, the recipient shall consider all sources of state financial assistance, including state financial assistance received from the Department of Environmental Protection, other state agencies, and other nonstate entities. State financial assistance does not include federal direct or pass-through awards and resources received by a nonstate entity for Federal program matching requirements.
2. In connection with the audit requirements addressed in Part II, paragraph 1; the recipient shall ensure that the audit complies with the requirements of Section 215.97(8), Florida Statutes. This includes submission of a financial reporting package as defined by Section 215.97(2), Florida Statutes, and Chapters 10.550 (local governmental entities) or 10.650 (nonprofit and for-profit organizations), Rules of the Auditor General.
3. If the recipient expends less than \$750,000 in state financial assistance in its fiscal year (for fiscal year ending June 30, 2017, and thereafter), an audit conducted in accordance with the provisions of Section 215.97, Florida Statutes, is not required. In the event that the recipient expends less than \$750,000 in state financial assistance in its fiscal year, and elects to have an audit conducted in accordance with the provisions of Section 215.97, Florida Statutes, the cost of the audit must be paid from the non-state entity's resources (i.e., the cost of such an audit must be paid from the recipient's resources obtained from other than State entities).
4. For information regarding the Florida Catalog of State Financial Assistance (CSFA), a recipient should access the Florida Single Audit Act website located at <https://apps.fldfs.com/fsaa> for assistance. In addition to the above websites, the following websites may be accessed for information: Legislature's Website at <http://www.leg.state.fl.us/Welcome/index.cfm>, State of Florida's website at <http://www.myflorida.com/>, Department of Financial Services' Website at <http://www.fldfs.com/> and the Auditor General's Website at <http://www.myflorida.com/audgen/>.

PART III: OTHER AUDIT REQUIREMENTS

(NOTE: This part would be used to specify any additional audit requirements imposed by the State awarding entity that are solely a matter of that State awarding entity's policy (i.e., the audit is not required by Federal or State laws and is not in conflict with other Federal or State audit requirements). Pursuant to Section 215.97(8), Florida Statutes, State agencies may conduct or arrange for audits of State financial assistance that are in addition to audits conducted in accordance with Section 215.97, Florida Statutes. In such an event, the State awarding agency must arrange for funding the full cost of such additional audits.)

PART IV: REPORT SUBMISSION

1. Copies of reporting packages for audits conducted in accordance with 2 CFR Part 200, Subpart F-Audit Requirements, and required by PART I of this form shall be submitted, when required by 2 CFR 200.512, by or on behalf of the recipient directly to the Federal Audit Clearinghouse (FAC) as provided in 2 CFR 200.36 and 200.512
 - A. The Federal Audit Clearinghouse designated in 2 CFR §200.501(a) (the number of copies required by 2 CFR §200.501(a) should be submitted to the Federal Audit Clearinghouse), at the following address:

By Mail:

Federal Audit Clearinghouse
Bureau of the Census
1201 East 10th Street
Jeffersonville, IN 47132

Submissions of the Single Audit reporting package for fiscal periods ending on or after January 1, 2008, must be submitted using the Federal Clearinghouse's Internet Data Entry System which can be found at <http://harvester.census.gov/facweb/>

2. Copies of financial reporting packages required by PART II of this Attachment shall be submitted by or on behalf of the recipient directly to each of the following:

- A. The Department of Environmental Protection at one of the following addresses:

By Mail:

Audit Director
Florida Department of Environmental Protection
Office of Inspector General, MS 40
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

Electronically:

FDEPSingleAudit@dep.state.fl.us

- B. The Auditor General's Office at the following address:

Auditor General
Local Government Audits/342
Claude Pepper Building, Room 401
111 West Madison Street
Tallahassee, Florida 32399-1450

The Auditor General's website (<http://flauditor.gov/>) provides instructions for filing an electronic copy of a financial reporting package.

3. Copies of reports or management letters required by PART III of this Attachment shall be submitted by or on behalf of the recipient directly to the Department of Environmental Protection at one of the following addresses:

By Mail:

Audit Director
Florida Department of Environmental Protection
Office of Inspector General, MS 40
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

Electronically:

FDEPSingleAudit@dep.state.fl.us

4. Any reports, management letters, or other information required to be submitted to the Department of Environmental Protection pursuant to this Agreement shall be submitted timely in accordance with 2 CFR 200.512, section 215.97, F.S., and Chapters 10.550 (local governmental entities) or 10.650 (nonprofit and for-profit organizations), Rules of the Auditor General, as applicable.

5. Recipients, when submitting financial reporting packages to the Department of Environmental Protection for audits done in accordance with 2 CFR 200, Subpart F-Audit Requirements, or Chapters 10.550 (local governmental entities) and 10.650 (non and for-profit organizations), Rules of the Auditor General, should indicate the date and the reporting package was delivered to the recipient correspondence accompanying the reporting package.

PART V: RECORD RETENTION

The recipient shall retain sufficient records demonstrating its compliance with the terms of the award and this Agreement for a period of five (5) years from the date the audit report is issued, and shall allow the Department of Environmental Protection, or its designee, Chief Financial Officer, or Auditor General access to such records upon request. The recipient shall ensure that audit working papers are made available to the Department of Environmental Protection, or its designee, Chief Financial Officer, or Auditor General upon request for a period of three (3) years from the date the audit report is issued, unless extended in writing by the Department of Environmental Protection.



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT
WATER USE INDIVIDUAL PERMIT**

APPLICATION NO: 170609-18

PERMIT NUMBER: 36-08832-W

DATE ISSUED: July 13, 2017

EXPIRATION DATE: July 13, 2027

PERMITTEE: BONITA SPRINGS UTILITIES INC
11900 EAST TERRY STREET
BONITA SPRINGS, FL 34135

PROJECT NAME: BONITA SPRINGS UTILITIES MASTER DEWATERING

PROJECT LOCATION: Lee County, S35/T46S/R25E, S1-36/T47S/R25E, S1-4/T48S/R25E
S10, 11, 13, 14, 24, 25/T47S/R24E, S1-6/T48S/R26E
S17-20, 29-36/T47S/R26E

PROJECT DESCRIPTION/AUTHORIZING:

Dewatering of the Water Table Aquifer for a master dewatering permit associated with installation of miscellaneous underground utilities (stormwater pipes, lift stations and utility lines such as water transmission mains, force-main, etc.) within the service area of Bonita Springs Utilities in Lee County.


This is to notify you of South Florida Water Management District's (District) agency action concerning Permit Application Number 170609-18, received June 9, 2017. This action is taken pursuant to Chapter 373, Part II, Florida Statutes (F.S.), Rule 40E-1.603 and Chapter 40E-2, Florida Administrative Code (F.A.C.). Based on the information provided, District rules have been adhered to and a Water Use Individual Permit is in effect for this project subject to:

1. Not receiving a filed request for an administrative hearing pursuant to Section 120.57, F.S. and Section 120.569, F.S., or a request for a judicial review pursuant to Section 120.68, F.S.
2. The attached 33 permit conditions.
3. The attached 13 exhibits.

By acceptance and utilization of the water authorized under this permit, the Permittee agrees to hold and save the District and its successors harmless from any and all damages, claims or liabilities that may arise by reason of the construction, maintenance or use of activities authorized by this permit. Should you object to the permit, please refer to the attached "Notice of Rights" that addresses the procedures to be followed if you desire a public hearing or other review of the proposed agency action. Should you wish to object to the proposed agency action or file a petition or request, please provide written objections, petitions, requests and/or waivers to: Office of the District Clerk, South Florida Water Management District, 3301 Gun Club Road, West Palm Beach, FL 33406, or by email to clerk@sfwmd.gov.

CERTIFICATION OF SERVICE

I HEREBY CERTIFY THAT this written notice has been mailed or electronically transmitted to the Permittee (and the persons listed in the attached distribution list) this 14th day of July, 2017, in accordance with Section 120.60(3), F.S. Notice was also electronically posted on this date through a link on the home page of the District's website (my.sfwmd.gov/ePermitting).

BY: 
JUANITA BOZEMAN
DEPUTY CLERK, SOUTH FLORIDA WATER MANAGEMENT DISTRICT

SPECIAL PERMIT CONDITIONS

1. This permit is issued to:
BONITA SPRINGS UTILITIES INC
11900 EAST TERRY STREET
BONITA SPRINGS, FL 34135
2. This permit shall expire on July 13, 2027.
3. Use classification is:

Dewatering
4. Source classification is:

Surface Water from:
Water Table Aquifer
5. Pursuant to Subsection 2.3.2.B.2 of the Applicant's Handbook for Water Use Permit Applications within the South Florida Water Management District, neither maximum monthly nor annual allocation volumes are specified.
6. Withdrawal facilities:

Surface Water - Proposed:

1 - 6" x 62 HP X 800 GPM Hydraulic Pump
1 - 8" x 60 HP X 1000 GPM Vacuum Pump
2 - 12" x 55 HP X 2500 GPM Hydraulic Pumps
1 - 6" x 40 HP X 800 GPM Vacuum Pump
3 - 6" x 62 HP X 1600 GPM Centrifugal Pumps
7. The Permittee shall submit all data as required by the implementation schedule for each of the permit conditions to: SFWMD at www.sfwmd.gov/ePermitting, or Regulatory Support, 3301 Gun Club Road, West Palm Beach, FL 33406.
8. The Permittee must submit the appropriate application form incorporated by reference in Rule 40E-2.101, F.A.C., to the District prior to the permit expiration date in order to continue the use of water.
9. The excavation shall be constructed using sound engineering practices. If the excavation or dewatering activities endanger the properties of adjacent owners (through erosion, side wall collapse, flooding, etc.), the Permittee shall cease operations until a method to prevent such occurrences is found and instituted. The Permittee shall be responsible for finding and instituting methods to stop such occurrences.

10. The Permittee shall immediately cease dewatering when continued dewatering would create a condition hazardous to the health, safety, and general welfare of the people of the District.
11. The Permittee shall be responsible for clearing shoaling, if the Permittee's dewatering operation creates shoaling in adjacent water bodies.
12. The Permittee shall conduct dewatering activities in adherence to the following operating plan:
The Permittee will implement this dewatering Project in three phases, commencing with Phase 1 for utility improvements. Dewatering will be necessary during various utility installation throughout the Project. The Project areas requiring dewatering currently planned include a multi year, multi-phase utility improvement project involving the replacement of potable water mains, gravity sewers, and sewage lift stations in several areas within the BSU service area. Pumps and/or wellpoints will be used for the dewatering of active parts of the excavation cells to the desired depth. In most cases, the dewatering effluent will be retained on-site into adjacent swales and hydraulic recharge trenches, settling basins or sediment tanks. Sheet pilings, trench boxes and other methods will be used during lift station installation to minimize the area of excavation and restrict the flow of water into the excavation area. Dewatering effluent will be retained on-site to the greatest extent feasible in temporary settling basins. However, given the spatial constraints of working within narrow easements and rights-of-ways in residential neighborhoods, not all dewatering effluent can be contained on the Project site, and off-site discharge may be necessary.
13. If off-site discharge is approved, turbidity measurements shall be made daily at the point of off-site discharge and a background location (upstream) in the receiving water body. If turbidity levels in the dewatering water exceed 29 NTU above background conditions in the receiving water body, the Permittee is required to correct the situation and cease dewatering operations until monitoring demonstrates turbidity standards are met. All turbidity data shall be retained on-site for inspection by District Staff.
14. Within 30 days of completion of the dewatering operation, all dewatering facilities (such as impoundments, conveyances, and recharge trenches) shall be filled and regraded to ground elevation or to otherwise comply with the Environmental Resource Permit.
15. Off-site discharge may be made via the facilities and conditions that follow:

City's stormwater management system, Oak Creek, Leitner Creek or the Imperial River.
16. A copy of the permit, its conditions, and dewatering plan is required to be kept on site at all times during dewatering operations by the lead contractor or site manager.
17. The Permittee shall not lower the water table below the following depths:
- 22 feet NAVD, or approximately 25 feet bls.

18. The Permittee shall construct the proposed recharge trenches prior to dewatering and maintain water levels during active dewatering operations within one foot below land surface. Obstructions and sediments within the recharge trenches shall be removed to maintain the effectiveness of the recharge trenches.
19. At least 72 hours prior to initial dewatering, the Permittee shall contact the District to allow for a site visit to verify:
 - a. The location and design of the recharge trenches and on-site retention areas where dewatering water will be retained;
 - b. The location of monitoring facilities; and,
 - c. Other site-specific issues related to the protection of the resource or other existing legal users.

Failure of the Permittee, or the Permittee's representative, to notify the District before dewatering commences will result in enforcement action. If necessary, the District shall conduct a site visit.

Notification of commencement of dewatering can be made by contacting:
wucompliance@sfwmd.gov

Alternatively, please contact Scott Korf, Water Use Compliance Analyst at (239)338-2929 Extension 7738 or via email at skorf@sfwmd.gov

20. At least two weeks prior to commencing dewatering, the Permittee shall provide site specific dewatering plans for each proposed dewatering activity to the District for review and approval. Permittee shall not initiate dewatering prior to receiving written notification from District staff, that the proposed dewatering activity is consistent with the approved master permit.
21. The issuance of this permit does not serve as approval for any dewatering activities or associated Environmental Resource Permits. Site-specific plans as described in the Staff Report and an Environmental Resource Permit Application must be submitted and approved concurrently prior to the initiation of any dewatering activities.
22. If required after review of site-specific plans, the Permittee shall record daily withdrawals for each dewatering pump. This recorded information shall be maintained on-site and provided to District staff upon request.

STANDARD PERMIT CONDITIONS

1. All water uses authorized by this permit shall be implemented as conditioned by this permit, including any documents incorporated by reference in a permit condition. The District may revoke this permit, in whole or in part, or take enforcement action, pursuant to Section 373.136 or 373.243, F.S., unless a permit modification has been obtained to address the noncompliance.

The Permittee shall immediately notify the District in writing of any previously submitted material information that is later discovered to be inaccurate.

2. The Permittee is advised that this permit does not relieve any person from the requirement to obtain all necessary federal, state, local and special district authorizations.
3. The Permittee shall notify the District in writing within 30 days of any sale, transfer, or conveyance of ownership or any other loss of permitted legal control of the Project and/or related facilities from which the permitted consumptive use is made. Where Permittee's control of the land subject to the permit was demonstrated through a lease, the Permittee must either submit a new or modified lease showing that it continues to have legal control or documentation showing a transfer in control of the permitted system/project to the new landowner or new lessee. All transfers of ownership are subject to the requirements of Rule 40E-1.6107, F.A.C. Alternatively, the Permittee may surrender the consumptive use permit to the District, thereby relinquishing the right to conduct any activities under the permit.
4. Nothing in this permit should be construed to limit the authority of the District to declare a water shortage and issue orders pursuant to Chapter 373, F.S. In the event of a declared water shortage, the Permittee must adhere to the water shortage restrictions, as specified by the District. The Permittee is advised that during a water shortage, reports shall be submitted as required by District rule or order. The Permittee is advised that during a water shortage, pumpage, water levels, and water quality data shall be collected and submitted as required by District orders issued pursuant to Chapter 40E-21, F.A.C.
5. This permit does not convey to the Permittee any property rights or privileges other than those specified herein, nor relieve the permittee from complying with any applicable local government, state, or federal law, rule, or ordinance.
6. With advance notice to the Permittee, District staff with proper identification shall have permission to enter, inspect, observe, collect samples, and take measurements of permitted facilities to determine compliance with the permit conditions and permitted plans and specifications. The Permittee shall either accompany District staff onto the property or make provision for access onto the property.
7. A. The Permittee may seek modification of any term of an unexpired permit. The Permittee is advised that Section 373.239, F.S., and Rule 40E-2.331, F.A.C., are applicable to permit modifications.

B. The Permittee shall notify the District in writing 30 days prior to any changes to the project that

could potentially alter the reasonable demand reflected in the permitted allocation. Such changes include, but are not limited to, change in irrigated acreage, crop type, irrigation system, large users agreements, or water treatment method. Permittee will be required to apply for a modification of the permit for any changes in permitted allocation.

8. If any condition of the permit is violated, the permit shall be subject to review and modification, enforcement action, or revocation pursuant to Chapter 373, F.S.
9. The Permittee shall mitigate interference with existing legal uses that was caused in whole or in part by the Permittee's withdrawals, consistent with the approved mitigation plan. As necessary to offset the interference, mitigation will include pumpage reduction, replacement of the impacted individual's equipment, relocation of wells, change in withdrawal source, or other means.

Interference to an existing legal use is defined as an impact that occurs under hydrologic conditions equal to or less severe than a 1-in-10 year drought event that results in the:

A. Inability to withdraw water consistent with provisions of the permit, such as when remedial structural or operational actions not materially authorized by existing permits must be taken to address the interference; or

B. Change in the quality of water pursuant to primary State Drinking Water Standards to the extent that the water can no longer be used for its authorized purpose, or such change is imminent.

10. The Permittee shall mitigate harm to the natural resources caused by the Permittee's withdrawals, as determined through reference to the conditions for permit issuance. When harm occurs, or is imminent, the District will require the Permittee to modify withdrawal rates or mitigate the harm. Harm, as determined through reference to the conditions for permit issuance includes:

A. Reduction in ground or surface water levels that results in harmful lateral movement of the fresh water/salt water interface,

B. Reduction in water levels that harm the hydroperiod of wetlands,

C. Significant reduction in water levels or hydroperiod in a naturally occurring water body such as a lake or pond,

D. Harmful movement of contaminants in violation of state water quality standards, or

E. Harm to the natural system including damage to habitat for rare or endangered species.

11. The Permittee shall mitigate harm to existing off-site land uses caused by the Permittee's withdrawals, as determined through reference to the conditions for permit issuance. When harm occurs, or is imminent, the District will require the Permittee to modify withdrawal rates or mitigate the harm. Harm as determined through reference to the conditions for permit issuance, includes:

A. Significant reduction in water levels on the property to the extent that the designed function of the water body and related surface water management improvements are damaged, not including aesthetic values. The designed function of a water body is identified in the original permit or other governmental authorization issued for the construction of the water body. In cases where a permit was not required, the designed function shall be determined based on the purpose for the original construction of the water body (e.g. fill for construction, mining, drainage canal, etc.)

B. Damage to agriculture, including damage resulting from reduction in soil moisture resulting from consumptive use; or,

C. Land collapse or subsidence caused by reduction in water levels associated with consumptive use.

NOTICE OF RIGHTS

As required by Sections 120.569 and 120.60(3), Fla. Stat., the following is notice of the opportunities which may be available for administrative hearing or judicial review when the substantial interests of a party are determined by an agency. Please note that this Notice of Rights is not intended to provide legal advice. Not all of the legal proceedings detailed below may be an applicable or appropriate remedy. You may wish to consult an attorney regarding your legal rights.

RIGHT TO REQUEST ADMINISTRATIVE HEARING

A person whose substantial interests are or may be affected by the South Florida Water Management District's (SFWMD or District) action has the right to request an administrative hearing on that action pursuant to Sections 120.569 and 120.57, Fla. Stat. Persons seeking a hearing on a SFWMD decision which affects or may affect their substantial interests shall file a petition for hearing with the Office of the District Clerk of the SFWMD, in accordance with the filing instructions set forth herein, within 21 days of receipt of written notice of the decision, unless one of the following shorter time periods apply: (1) within 14 days of the notice of consolidated intent to grant or deny concurrently reviewed applications for environmental resource permits and use of sovereign submerged lands pursuant to Section 373.427, Fla. Stat.; or (2) within 14 days of service of an Administrative Order pursuant to Section 373.119(1), Fla. Stat. "Receipt of written notice of agency decision" means receipt of written notice through mail, electronic mail, or posting that the SFWMD has or intends to take final agency action, or publication of notice that the SFWMD has or intends to take final agency action. Any person who receives written notice of a SFWMD decision and fails to file a written request for hearing within the timeframe described above waives the right to request a hearing on that decision.

If the District takes final agency action which materially differs from the noticed intended agency decision, persons who may be substantially affected shall, unless otherwise provided by law, have an additional Rule 28-106.111, Fla. Admin. Code, point of entry.

Any person to whom an emergency order is directed pursuant to Section 373.119(2), Fla. Stat., shall comply therewith immediately, but on petition to the board shall be afforded a hearing as soon as possible.

A person may file a request for an extension of time for filing a petition. The SFWMD may, for good cause, grant the request. Requests for extension of time must be filed with the SFWMD prior to the deadline for filing a petition for hearing. Such requests for extension shall contain a certificate that the moving party has consulted with all other parties concerning the extension and that the SFWMD and any other parties agree to or oppose the extension. A timely request for an extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

FILING INSTRUCTIONS

A petition for administrative hearing must be filed with the Office of the District Clerk of the SFWMD. Filings with the Office of the District Clerk may be made by mail, hand-delivery, or e-mail. Filings by facsimile will not be accepted. A petition for administrative hearing or other document is deemed filed upon receipt during normal business hours by the Office of the District Clerk at SFWMD headquarters in West Palm Beach, Florida. The District's normal business hours are 8:00 a.m. – 5:00 p.m., excluding weekends and District holidays. Any document received by the Office of the District Clerk after 5:00 p.m. shall be deemed filed as of 8:00 a.m. on the next regular business day. Additional filing instructions are as follows:

- Filings by mail must be addressed to the Office of the District Clerk, 3301 Gun Club Road, West Palm Beach, Florida 33406.

- Filings by hand-delivery must be delivered to the Office of the District Clerk. Delivery of a petition to the SFWMD's security desk does not constitute filing. It will be necessary to request that the SFWMD's security officer contact the Office of the District Clerk. An employee of the SFWMD's Clerk's office will receive and file the petition.
- Filings by e-mail must be transmitted to the Office of the District Clerk at clerk@sfwmd.gov. The filing date for a document transmitted by electronic mail shall be the date the Office of the District Clerk receives the complete document. A party who files a document by e-mail shall (1) represent that the original physically signed document will be retained by that party for the duration of the proceeding and of any subsequent appeal or subsequent proceeding in that cause and that the party shall produce it upon the request of other parties; and (2) be responsible for any delay, disruption, or interruption of the electronic signals and accepts the full risk that the document may not be properly filed.

INITIATION OF AN ADMINISTRATIVE HEARING

Pursuant to Sections 120.54(5)(b)4. and 120.569(2)(c), Fla. Stat., and Rules 28-106.201 and 28-106.301, Fla. Admin. Code, initiation of an administrative hearing shall be made by written petition to the SFWMD in legible form and on 8 1/2 by 11 inch white paper. All petitions shall contain:

1. Identification of the action being contested, including the permit number, application number, SFWMD file number or any other SFWMD identification number, if known.
2. The name, address, any email address, any facsimile number, and telephone number of the petitioner and petitioner's representative, if any.
3. An explanation of how the petitioner's substantial interests will be affected by the agency determination.
4. A statement of when and how the petitioner received notice of the SFWMD's decision.
5. A statement of all disputed issues of material fact. If there are none, the petition must so indicate.
6. A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the SFWMD's proposed action.
7. A statement of the specific rules or statutes the petitioner contends require reversal or modification of the SFWMD's proposed action.
8. If disputed issues of material fact exist, the statement must also include an explanation of how the alleged facts relate to the specific rules or statutes.
9. A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the SFWMD to take with respect to the SFWMD's proposed action.

MEDIATION

The procedures for pursuing mediation are set forth in Section 120.573, Fla. Stat., and Rules 28-106.111 and 28-106.401–405, Fla. Admin. Code. The SFWMD is not proposing mediation for this agency action under Section 120.573, Fla. Stat., at this time.

RIGHT TO SEEK JUDICIAL REVIEW

Pursuant to Section 120.68, Fla. Stat., and in accordance with Florida Rule of Appellate Procedure 9.110, a party who is adversely affected by final SFWMD action may seek judicial review of the SFWMD's final decision by filing a notice of appeal with the Office of the District Clerk of the SFWMD in accordance with the filing instructions set forth herein within 30 days of rendition of the order to be reviewed, and by filing a copy of the notice with the clerk of the appropriate district court of appeal.

Last Date for Agency Action:
September 7, 2017

WATER USE STAFF REPORT

Application Number: 170609-18
Permit Number: 36-08832-W
Project Name: BONITA SPRINGS UTILITIES MASTER DEWATERING
Water Use Permit Status: PROPOSED
Location: LEE COUNTY, S35/T46S/R25E
S10, 11, 13, 14, 24, 25/T47S/R24E
S1-36/T47S/R25E
S17-20, 29-36/T47S/R26E
S1-4/T48S/R25E
S1-6/T48S/R26E
Applicant's Name and Address: BONITA SPRINGS UTILITIES INC
11900 EAST TERRY STREET
BONITA SPRINGS, FL 34135

Water Use Classification: Dewatering

Sources:

Surface Water from: Water Table Aquifer

Proposed Withdrawal Facilities - Surface Water

- Source: Water Table aquifer
- 1 - 8" X 60 HP X 1000 GPM Vacuum Pump
- 1 - 6" X 62 HP X 800 GPM Hydraulic Pump
- 2 - 12" X 55 HP X 2500 GPM Hydraulic Pumps
- 3 - 6" X 62 HP X 1600 GPM Centrifugal Pumps
- 1 - 6" X 40 HP X 800 GPM Vacuum Pump

<u>Rated Capacity Source</u>	<u>Status Code</u>	<u>GPM</u>	<u>MGM</u>	<u>MGY</u>
Water Table aquifer	P	12,400	542.8	6,517
Totals:		12,400	542.8	6,517

PURPOSE

The purpose of this application is to obtain a master dewatering water use permit associated with the installation of miscellaneous underground utilities (lift stations and utility lines such as water transmission mains, force-main, etc.) in the Bonita Springs Utilities service area in Lee County. Withdrawals are from the water table aquifer (WTA) via eight proposed withdrawal facilities.

PROJECT DESCRIPTION

Bonita Springs Utilities (Project) is a master dewatering project that consists of the installation of miscellaneous underground utilities (lift stations and utility lines such as water transmission mains, force-main, etc.) and water treatment plant expansion in the Bonita Springs Utilities (BSU) service area in Lee County. The Project is located in the southwestern portion of Lee County and is bounded by Williams Road in the north, Alhambra Lane in the south, Pioneer Road in the east and Estero Boulevard in the west, as shown on Exhibits 1 through 3. The key installations that will require dewatering activities include: stormwater pipes, lift stations, and utility lines such as water transmission mains, force-main, etc. Withdrawals are from the WTA via a combination of dewatering systems that will involve eight pumps. Dewatering will include well point systems, sump type activities, and sheet piling/cofferdam depending on the element(s) to be installed, dewatering location, and dewatering depth. Pump details are shown on Exhibit 4. The Project is a multi-year and multi-phase Project that will involve several contractors. All the dewatering activities will take place on City-owned property.

The Permittee intends to implement the Project's dewatering in multiple phases, commencing with Phase 1 for water main replacement. This phase will take place along multiple residential streets within the area bordered by the Imperial River to the north, Bonita Beach Boulevard to the south, U.S. Highway 41 to the west, and Old 41 Road to the east as shown on Exhibit 5. A typical settling basin cross-section (typical) is given on Exhibit 6. Exhibit 7 provides estimated dewatering rates for each phase of the Project. The Applicant is requesting a duration of 10 years for this master dewatering. The estimated timelines for the Project are shown on Exhibit 8. No contractors are selected at this time.

The maximum proposed depth of dewatering is approximately 25 feet below land surface (bls) or approximately -22 feet North American Vertical Datum (NAVD) for land surface elevation of 3.0 feet NAVD. Horizontal directional drilling will be utilized for some portions of the potable water main replacement and raw water line installation, which will not require dewatering. Most of the dewatering operations will have a short duration and should pose minimal impacts to the surrounding areas. Sheet pilings, trench boxes and other methods will be used during lift station installations to minimize the area of excavation and restrict the flow of water into the excavation area. Exhibit 9 provides estimated distance drawdown calculation results based on the current estimated dewatering rates for each phase of the Project.

In most cases, the dewatering effluent will be retained on-site in adjacent swales and hydraulic recharge trenches, settling basins, or sediment tanks and allowed to seep back into the WTA. However, given the spatial constraints of working within narrow easements and rights-of-ways in residential neighborhoods, not all dewatering effluent can be contained on the Project site, and off-site discharge may be necessary. Baker tanks or similar containers will be used to store dewatering effluent to reduce turbidity when settling basins are not feasible. Dewatering effluent discharge points for future phases will be provided as construction of these phases approach. Turbidity control measures (including monitoring sites) will be emplaced around discharge locations.

PROJECT DESCRIPTION (CONTINUED)

Should off-site discharge of dewatering effluent become necessary, the Permittee will implement a turbidity monitoring program to monitor turbidity levels before the water exits the Project area. A typical monitoring plan is appended on Exhibit 10.

The information contained in this master dewatering permit includes conservative assumptions on dewatering activities anticipated for the construction at the Project. Approximate calculations for the dewatering volumes, pumping rates, and radius of influence for anticipated dewatering for selected elements are presented on Exhibits 7 and 9, respectively. Any contractor that will be selected to work on the Project will be required to submit site-specific dewatering plans based on their specific construction activities (Special Permit Condition 20). These site-specific dewatering plans will include additional information regarding means and methods for performing the proposed dewatering activities along with site-specific requirements to assure that dewatering will cause no adverse impact to the source, existing legal users and environmental features. Pursuant to Special Permit Condition 20, at least two weeks prior to beginning any dewatering activities, the Permittee shall submit site-specific plans to the District. Dewatering may not commence until the District approves the proposed activity in writing. The plans and support information shall include the required documentation described in Subsection 2.3.2.B.2 of the Applicant's Handbook (AH) for Water Use Permit Applications within the South Florida Water Management District (District).

PROJECTED WATER USE DEMANDS

Pursuant to Subsection 2.3.2.B of the AH, neither maximum month nor annual allocation volumes are specified for master dewatering water use permits. Preliminary pumping calculations and the Project's timelines are given on Exhibits 7 and 8, respectively. However, the Permittee will provide updated dewatering quantities for each phase covered under this master dewatering permit at the time when the site-specific dewatering plans are submitted. Pursuant to Special Permit Condition 22, if required after review of site-specific plans, the Permittee shall record monthly withdrawals and recorded information shall be kept on-site for review by District staff.

IMPACT EVALUATION

In order to provide reasonable assurances that the conditions for permit issuance are met, the Applicant provided an analytical solution using drawdown in an unconfined aquifer due to changes in stage as described in Dynamics of Fluids in Porous Media (Bear, 1972). The analytical solution data and implementation are consistent with the criteria for analytical impact assessments set forth in Subsection 3.1.2.A of the AH. The drawdown analysis (typical) are provided for the Project's impact only for a variety of installation elements during dewatering, including drawdown caused as a result of the construction (or repair) of the lift stations which have a maximum dewatering depth of 25 feet bls (approximately -22 feet NAVD). The Applicant shall provide cumulative runs (if applicable) that include all existing legal users within the 0.1 foot isocontour line for each site-specific plan in association with this master permit for dewatering.

WATER RESOURCE IMPACT EVALUATION

Water Resource Availability

Water Table aquifer

The land surface elevation at the Project ranges between 3.0 feet NAVD and 10 feet NAVD with an average elevation in the majority of the Project areas of approximately 9.0 feet NAVD. Based on information in District Technical Publication 82-1, the WTA varies in thickness, lithology, and hydraulic conductivity throughout the Project and is underlain by confining material of the Upper Hawthorn Confining layer. The average depth of the base of the WTA within the Project area is approximately -36 feet NAVD. Based on the extensive boring logs performed within the Project area [Geotechnical Report, December 2016 (Ardaman & Associates)] the lowest water elevation in the WTA (November 2016) is approximately 1.0 foot NGVD. The maximum proposed depth of dewatering is approximately -22 feet NAVD. Therefore, there is approximately 14 feet of drawdown available in the WTA. Additionally, the majority of the dewatering effluent will be retained on-site and will be recharged back into the WTA. The site-specific areas within the Project will require intermittent dewatering for short periods of time. The Permittee shall provide, pursuant to Special Permit Condition 20, site-specific plans for each site addressing any resource concerns that are associated with the proposed dewatering, including assurances that the water resource availability of the WTA will not be harmed, which is typically provided with on-site retention of the dewatering effluent. Therefore, the potential for harm to occur to the water resource availability of the WTA as a result of the proposed dewatering operations is considered minimal.

Existing Legal Users

Water Table aquifer

There may be several existing legal users of the WTA in the overall Project area. Existing legal users of the WTA will be identified by the Permittee when they submit site-specific plans for each dewatering project. Since most of the dewatering effluent will be returned to the WTA, the net drawdown in the WTA is expected to be negligible and therefore no existing legal users will be located within the radius of influence caused as a result of the dewatering activities. However, the Applicant has provided the worst-case scenario results for the dewatering operations (installation or repair of lift station) as shown on Exhibit 9. The Applicant states that in such cases sheet-piling and cofferdam boxes will be utilized to truncate the lateral and vertical drawdown. Additionally, existing legal users, including existing domestic users, will be identified and reviewed prior to approval of site-specific plans submitted in accordance with Special Permit Condition 20. Therefore, the potential for harm to occur to existing legal users as a result of the proposed dewatering operations is considered minimal.

Existing Off Site Land Uses

Water Table aquifer

Land uses that are dependent upon water being on or near land surface and that existed prior to this application are protected from harm. The Permittee's property is surrounded by residential areas which withdraw water for irrigation from the WTA. The

WATER RESOURCE IMPACT EVALUATION (CONTINUED)

Project's dewatering effluent will be mostly retained on-site and will be recharged back into the WTA. As a result, the drawdown beyond the Project's boundary is expected to be negligible. The Permittee will evaluate potential impacts to existing off-site land uses when they submit site-specific plans for each dewatering project. Therefore, pursuant to Subsection 3.6.2 of the AH, the use is not expected to result in significant reduction in water levels on the property of an existing offsite land use to the extent that: the designed function of a water body and related surface water management improvements are damaged (not including aesthetic values); or result in damage to agriculture, including damage resulting from reduction in soil moisture resulting from water use, or land collapse or subsidence caused by reduction in water levels associated with water use.

Migration of Saline Water

Water Table aquifer

The WTA and canal system in the area near Phase 1 of the Project discharge into the Imperial River which is a tidally influenced tributary of Estero Bay, a brackish water body. However, saline barrier weirs are located in most freshwater canals to maintain a minimum water level elevation of 1.0 feet NAVD of freshwater head on the landward (upgradient) side of the weirs. The City has a canal operating plan which maintains a freshwater head and prevents saline water intrusion. The installation of gravity sewer lines, transmission mains and particularly, lift stations, will require dewatering depths well below sea level, and in some instances, the maximum depth will be -22 feet NAVD. However, as part of the site-specific dewatering plans to be completed by the Permittee prior to commencement of dewatering activities (Special Permit Condition 20), the Permittee will address potential saline water intrusion and upconing of saline water. Therefore, the potential for saline water intrusion or upconing to occur as a result of the proposed dewatering operations is considered minimal.

Wetland Environments

Water Table aquifer

The Project contains a mix of freshwater and brackish wetland habitats. Wetland habitats consist of cypress, wetland forested mixed, hydric pine, and mangrove. In addition, the Imperial River forms the northern boundary of Phase I of the Project and the south branch of the river is within the Project boundary. The Imperial River is an Outstanding Florida Water (OFW). The Permittee will use hydraulic recharge trenches between any surface waters and active dewatering locations to minimize impacts to wetlands and surface waters. The Project will also use Best Management Practices, such as recharge trenching, particulate settling basins, silt fencing and other appropriate turbidity control measures to prevent adverse impacts to adjacent properties and surface waters. A turbidity monitoring plan is provided on Exhibit 10. A wetland map overlay on the dewatering sites for Phase 1 is shown on Exhibit 11. Additionally, for each dewatering site within this dewatering master plan, individual site-specific plans will be submitted prior to commencement of the dewatering operations as stipulated in Special Permit Condition 20. Based upon this information,

WATER RESOURCE IMPACT EVALUATION (CONTINUED)

the potential for harm to occur to the wetlands as a result of the proposed dewatering operations is considered minimal.

Sources of Pollution

Water Table aquifer

There are several potential pollution sources near the Project such as gas stations, dry cleaners, auto repair shops, and boat manufacturers. However, as part of the site-specific dewatering plans to be completed by the Permittee prior to commencement of each section of the dewatering (Special Permit Condition 20), the Permittee will address all potential pollution issues for each site-specific location. Therefore, the potential for movement of contaminants, if present, from known pollution sources as a result of the proposed dewatering operations is considered minimal.

ADDITIONAL INFORMATION

Project Site Issues

Legal Control and Land Use

Records from the Lee County Property Appraiser demonstrate that the Permittee maintains legal control over the Project site. All withdrawal facilities will be located within the Project boundary. The dewatering activities are compatible with the zoning and land use designation for the site meeting the requirements of Subsection 2.1 of the AH.

Permit Duration

The proposed dewatering is anticipated to require approximately 10 years to complete all phases of the Project. Therefore, in accordance with Subsection 1.5.2.A.2 of the AH, staff recommends a water use permit duration of 10 years.

ENVIRONMENTAL RESOURCE PERMIT STATUS:

PERMITTED (No. 86-00026-S)

PERMITTED (No. 36-04007-P)

RIGHT OF WAY PERMIT STATUS:

Not Applicable

RECOMMENDATIONS

Project Name: BONITA SPRINGS UTILITIES MASTER DEWATERING
Application Number: 170609-18
Permit Number: 36-08832-W

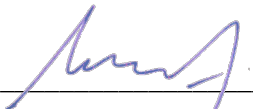
RECOMMENDATION

Authorizing: Dewatering of the water table aquifer for a master dewatering permit associated with installation of miscellaneous underground utilities (stormwater pipes, lift stations and utility lines such as water transmission mains, force-main, etc.) within the service area of Bonita Springs Utilities in Lee County.

STAFF EVALUATION

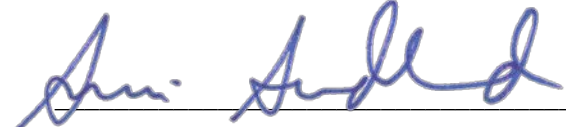
REVIEWER:


Matt Brosious, NRM


Nexhip Maska, P.G., WU

SUPERVISOR:


Laura Layman, NRM


Simon Sunderland, P.G., WU

QUALITY ASSURANCE REVIEW:


Stephanie Lancaster, P.G.

Date: 6/29/2017

WATER USE BUREAU CHIEF:


Maria C. Clemente, P.E.

Date: 6/30/17

SPECIAL PERMIT CONDITIONS

1. This permit is issued to:
BONITA SPRINGS UTILITIES INC
11900 EAST TERRY STREET
BONITA SPRINGS, FL 34135

2. This permit shall expire on July 13, 2027.

3. Use classification is:

Dewatering

4. Source classification is:

Surface Water from:
Water Table Aquifer

5. Pursuant to Subsection 2.3.2.B.2 of the Applicant's Handbook for Water Use Permit Applications within the South Florida Water Management District, neither maximum monthly nor annual allocation volumes are specified.

6. Withdrawal facilities:

Surface Water - Proposed:

1 - 6" x 62 HP X 800 GPM Hydraulic Pump
1 - 8" x 60 HP X 1000 GPM Vacuum Pump
2 - 12" x 55 HP X 2500 GPM Hydraulic Pumps
1 - 6" x 40 HP X 800 GPM Vacuum Pump
3 - 6" x 62 HP X 1600 GPM Centrifugal Pumps

7. The Permittee shall submit all data as required by the implementation schedule for each of the permit conditions to: SFWMD at www.sfwmd.gov/ePermitting, or Regulatory Support, 3301 Gun Club Road, West Palm Beach, FL 33406.

8. The Permittee must submit the appropriate application form incorporated by reference in Rule 40E-2.101, F.A.C., to the District prior to the permit expiration date in order to continue the use of water.

9. The excavation shall be constructed using sound engineering practices. If the excavation or dewatering activities endanger the properties of adjacent owners (through erosion, side wall collapse, flooding, etc.), the Permittee shall cease operations until a method to prevent such occurrences is found and instituted. The

SPECIAL PERMIT CONDITIONS

Permittee shall be responsible for finding and instituting methods to stop such occurrences.

10. The Permittee shall immediately cease dewatering when continued dewatering would create a condition hazardous to the health, safety, and general welfare of the people of the District.
11. The Permittee shall be responsible for clearing shoaling, if the Permittee's dewatering operation creates shoaling in adjacent water bodies.
12. The Permittee shall conduct dewatering activities in adherence to the following operating plan:
The Permittee will implement this dewatering Project in three phases, commencing with Phase 1 for utility improvements. Dewatering will be necessary during various utility installation throughout the Project. The Project areas requiring dewatering currently planned include a multi year, multi-phase utility improvement project involving the replacement of potable water mains, gravity sewers, and sewage lift stations in several areas within the BSU service area. Pumps and/or wellpoints will be used for the dewatering of active parts of the excavation cells to the desired depth. In most cases, the dewatering effluent will be retained on-site into adjacent swales and hydraulic recharge trenches, settling basins or sediment tanks. Sheet pilings, trench boxes and other methods will be used during lift station installation to minimize the area of excavation and restrict the flow of water into the excavation area. Dewatering effluent will be retained on-site to the greatest extent feasible in temporary settling basins. However, given the spatial constraints of working within narrow easements and rights-of-ways in residential neighborhoods, not all dewatering effluent can be contained on the Project site, and off-site discharge may be necessary.
13. If off-site discharge is approved, turbidity measurements shall be made daily at the point of off-site discharge and a background location (upstream) in the receiving water body. If turbidity levels in the dewatering water exceed 29 NTU above background conditions in the receiving water body, the Permittee is required to correct the situation and cease dewatering operations until monitoring demonstrates turbidity standards are met. All turbidity data shall be retained on-site for inspection by District Staff.
14. Within 30 days of completion of the dewatering operation, all dewatering facilities (such as impoundments, conveyances, and recharge trenches) shall be filled and regraded to ground elevation or to otherwise comply with the Environmental Resource Permit.
15. Off-site discharge may be made via the facilities and conditions that follow:

City's stormwater management system, Oak Creek, Leitner Creek or the

SPECIAL PERMIT CONDITIONS

Imperial River.

16. A copy of the permit, its conditions, and dewatering plan is required to be kept on site at all times during dewatering operations by the lead contractor or site manager.
17. The Permittee shall not lower the water table below the following depths:
 - 22 feet NAVD, or approximately 25 feet bls.
18. The Permittee shall construct the proposed recharge trenches prior to dewatering and maintain water levels during active dewatering operations within one foot below land surface. Obstructions and sediments within the recharge trenches shall be removed to maintain the effectiveness of the recharge trenches.
19. At least 72 hours prior to initial dewatering, the Permittee shall contact the District to allow for a site visit to verify:
 - a. The location and design of the recharge trenches and on-site retention areas where dewatering water will be retained;
 - b. The location of monitoring facilities; and,
 - c. Other site-specific issues related to the protection of the resource or other existing legal users.

Failure of the Permittee, or the Permittee's representative, to notify the District before dewatering commences will result in enforcement action. If necessary, the District shall conduct a site visit.

Notification of commencement of dewatering can be made by contacting: wucompliance@sfwmd.gov

Alternatively, please contact Scott Korf, Water Use Compliance Analyst at (239)338-2929 Extension 7738 or via email at skorf@sfwmd.gov

20. At least two weeks prior to commencing dewatering, the Permittee shall provide site specific dewatering plans for each proposed dewatering activity to the District for review and approval. Permittee shall not initiate dewatering prior to receiving written notification from District staff, that the proposed dewatering activity is consistent with the approved master permit.
21. The issuance of this permit does not serve as approval for any dewatering activities or associated Environmental Resource Permits. Site-specific plans as described in the Staff Report and an Environmental Resource Permit Application must be submitted and

SPECIAL PERMIT CONDITIONS

approved concurrently prior to the initiation of any dewatering activities.

22. If required after review of site-specific plans, the Permittee shall record daily withdrawals for each dewatering pump. This recorded information shall be maintained on-site and provided to District staff upon request.

STANDARD PERMIT CONDITIONS

1. All water uses authorized by this permit shall be implemented as conditioned by this permit, including any documents incorporated by reference in a permit condition. The District may revoke this permit, in whole or in part, or take enforcement action, pursuant to Section 373.136 or 373.243, F.S., unless a permit modification has been obtained to address the noncompliance.

The Permittee shall immediately notify the District in writing of any previously submitted material information that is later discovered to be inaccurate.

2. The Permittee is advised that this permit does not relieve any person from the requirement to obtain all necessary federal, state, local and special district authorizations.
3. The Permittee shall notify the District in writing within 30 days of any sale, transfer, or conveyance of ownership or any other loss of permitted legal control of the Project and/or related facilities from which the permitted consumptive use is made. Where Permittee's control of the land subject to the permit was demonstrated through a lease, the Permittee must either submit a new or modified lease showing that it continues to have legal control or documentation showing a transfer in control of the permitted system/project to the new landowner or new lessee. All transfers of ownership are subject to the requirements of Rule 40E-1.6107, F.A.C. Alternatively, the Permittee may surrender the consumptive use permit to the District, thereby relinquishing the right to conduct any activities under the permit.
4. Nothing in this permit should be construed to limit the authority of the District to declare a water shortage and issue orders pursuant to Chapter 373, F.S. In the event of a declared water shortage, the Permittee must adhere to the water shortage restrictions, as specified by the District. The Permittee is advised that during a water shortage, reports shall be submitted as required by District rule or order. The Permittee is advised that during a water shortage, pumpage, water levels, and water quality data shall be collected and submitted as required by District orders issued pursuant to Chapter 40E-21, F.A.C.
5. This permit does not convey to the Permittee any property rights or privileges other than those specified herein, nor relieve the permittee from complying with any applicable local government, state, or federal law, rule, or ordinance.
6. With advance notice to the Permittee, District staff with proper identification shall have permission to enter, inspect, observe, collect samples, and take measurements of permitted facilities to determine compliance with the permit conditions and permitted plans and specifications. The Permittee shall either accompany District staff onto the property or make provision for access onto the property.

7. A. The Permittee may seek modification of any term of an unexpired permit. The Permittee is advised that Section 373.239, F.S., and Rule 40E-2.331, F.A.C., are applicable to permit modifications.

B. The Permittee shall notify the District in writing 30 days prior to any changes to the project that could potentially alter the reasonable demand reflected in the permitted allocation. Such changes include, but are not limited to, change in irrigated acreage, crop type, irrigation system, large users agreements, or water treatment method. Permittee will be required to apply for a modification of the permit for any changes in permitted allocation.

8. If any condition of the permit is violated, the permit shall be subject to review and modification, enforcement action, or revocation pursuant to Chapter 373, F.S.

9. The Permittee shall mitigate interference with existing legal uses that was caused in whole or in part by the Permittee's withdrawals, consistent with the approved mitigation plan. As necessary to offset the interference, mitigation will include pumpage reduction, replacement of the impacted individual's equipment, relocation of wells, change in withdrawal source, or other means.

Interference to an existing legal use is defined as an impact that occurs under hydrologic conditions equal to or less severe than a 1-in-10 year drought event that results in the:

A. Inability to withdraw water consistent with provisions of the permit, such as when remedial structural or operational actions not materially authorized by existing permits must be taken to address the interference; or

B. Change in the quality of water pursuant to primary State Drinking Water Standards to the extent that the water can no longer be used for its authorized purpose, or such change is imminent.

10. The Permittee shall mitigate harm to the natural resources caused by the Permittee's withdrawals, as determined through reference to the conditions for permit issuance. When harm occurs, or is imminent, the District will require the Permittee to modify withdrawal rates or mitigate the harm. Harm, as determined through reference to the conditions for permit issuance includes:

A. Reduction in ground or surface water levels that results in harmful lateral movement of the fresh water/salt water interface,

B. Reduction in water levels that harm the hydroperiod of wetlands,

C. Significant reduction in water levels or hydroperiod in a naturally occurring water body such as a lake or pond,

D. Harmful movement of contaminants in violation of state water quality standards, or

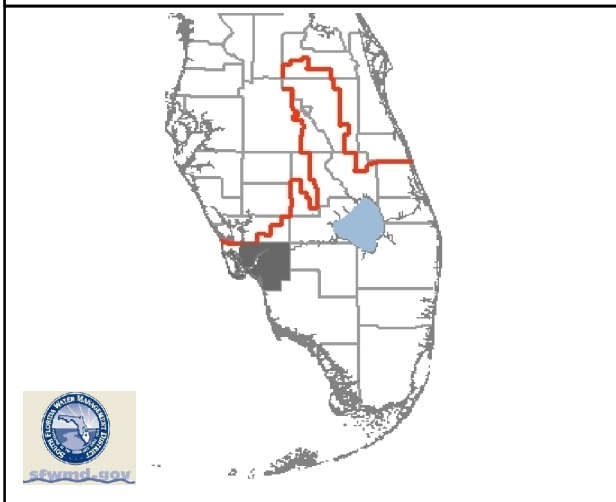
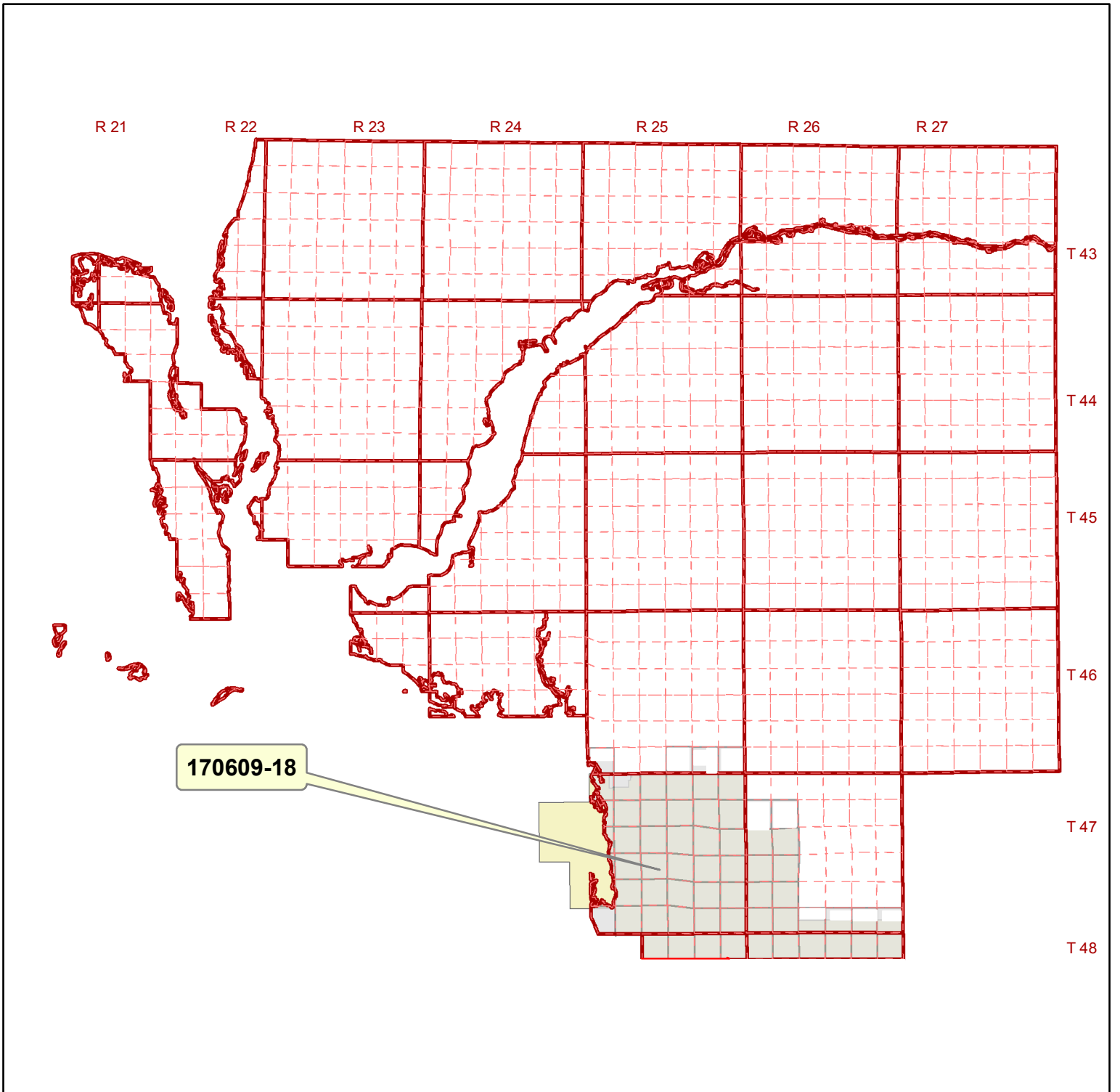
E. Harm to the natural system including damage to habitat for rare or endangered species.

11. The Permittee shall mitigate harm to existing off-site land uses caused by the Permittee's withdrawals, as determined through reference to the conditions for permit issuance. When harm occurs, or is imminent, the District will require the Permittee to modify withdrawal rates or mitigate the harm. Harm as determined through reference to the conditions for permit issuance, includes:

A. Significant reduction in water levels on the property to the extent that the designed function of the water body and related surface water management improvements are damaged, not including aesthetic values. The designed function of a water body is identified in the original permit or other governmental authorization issued for the construction of the water body. In cases where a permit was not required, the designed function shall be determined based on the purpose for the original construction of the water body (e.g. fill for construction, mining, drainage canal, etc.)

B. Damage to agriculture, including damage resulting from reduction in soil moisture resulting from consumptive use; or,

C. Land collapse or subsidence caused by reduction in water levels associated with consumptive use.

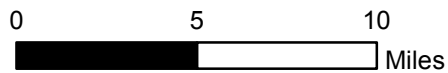


LEE COUNTY, FLORIDA

Application No: 170609-18

Sec 17-20, 29-36- / Twp 47 / Rge 26
 Sec 10, 11, 13, 14, 24, 25 / Twp 47 / Rge 24
 Sec 1- 36 / Twp 47 / Rge 25 Sec 35 / Twp 46 / Rge 25
 Sec 1- 4 / Twp 48 / Rge 25
 Sec 1- 6 / Twp 48 / Rge 26

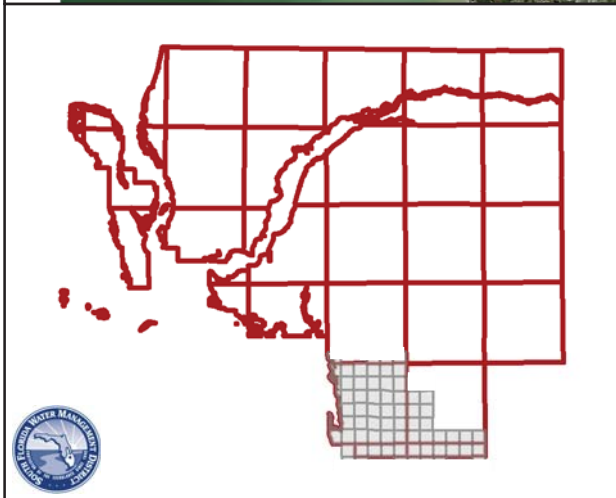
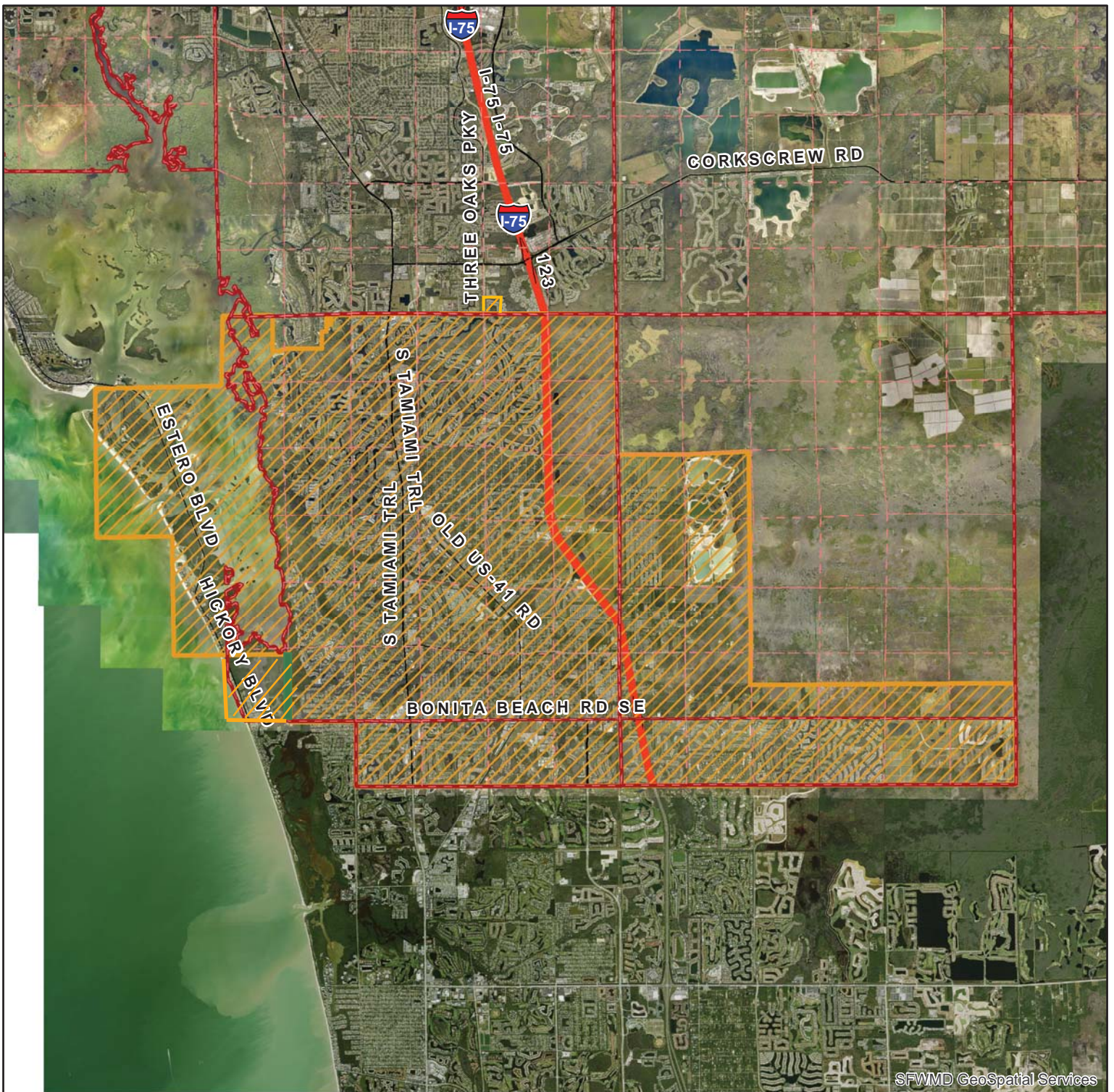
Project Name: BONITA SPRINGS UTILITIES MASTER DEWATERING



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 Map Date: 2017-06-16
 Permit No: 36-08832-W





LEE COUNTY, FLORIDA

Map Date: 2017-06-16

Legend

 Application

Application No: 170609-18

Permit No: 36-08832-W

Sec 17-20, 29-36- / Twp 47 / Rge 26

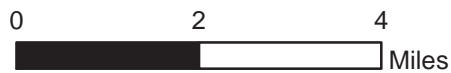
Sec 10, 11, 13, 14, 24, 25 / Twp 47 / Rge 24

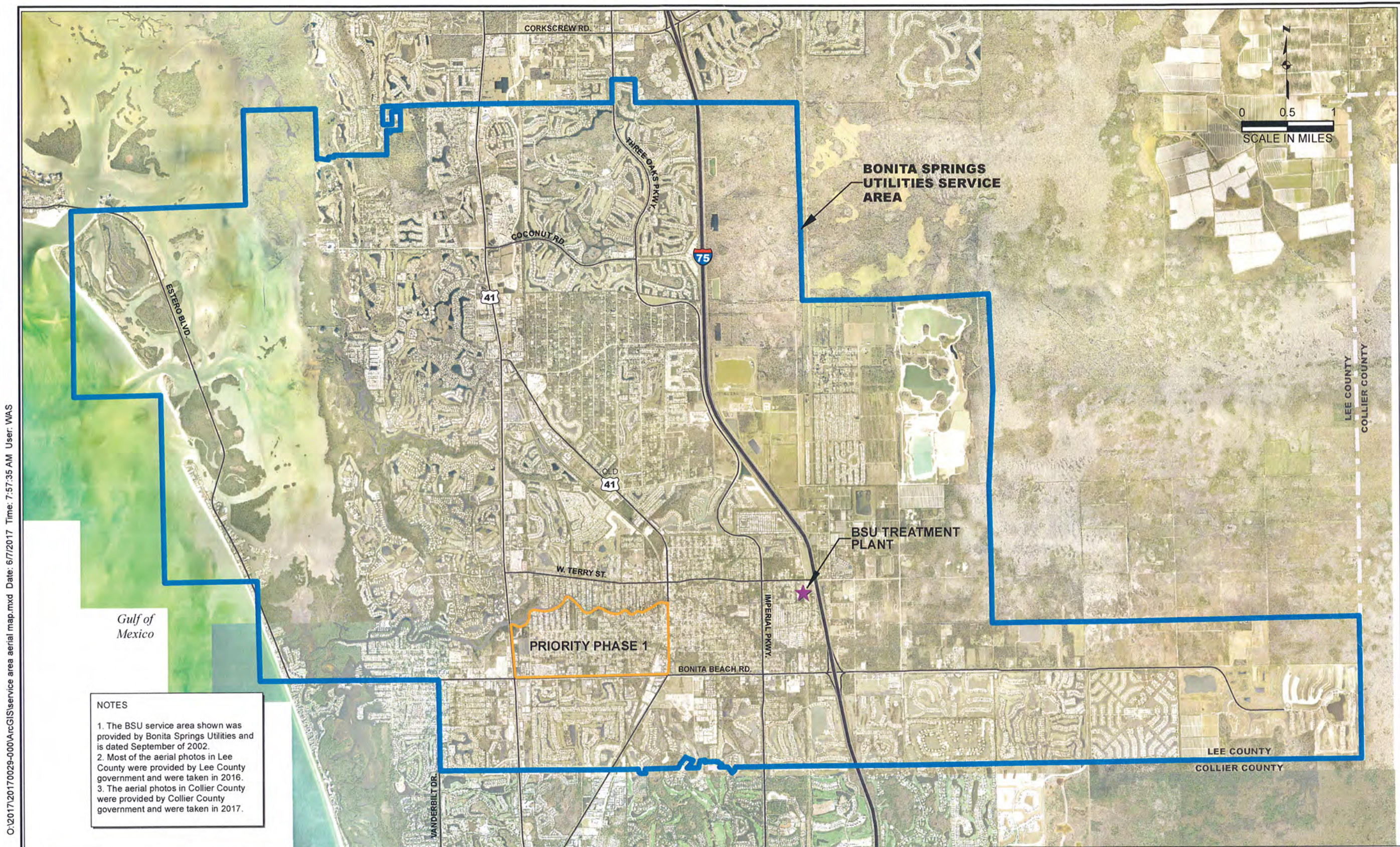
Sec 1- 36 / Twp 47 / Rge 25 Sec 35 / Twp 46 / Rge 25

Sec 1- 4 / Twp 48 / Rge 25

Sec 1- 6 / Twp 48 / Rge 26

Project Name: BONITA SPRINGS UTILITIES
MASTER DEWATERING





NOTES

1. The BSU service area shown was provided by Bonita Springs Utilities and is dated September of 2002.
2. Most of the aerial photos in Lee County were provided by Lee County government and were taken in 2016.
3. The aerial photos in Collier County were provided by Collier County government and were taken in 2017.

O:\2017\20170029-000\ArcGIS\service area aerial map.mxd Date: 6/7/2017 Time: 7:57:35 AM User: WAS

Appl. # 170609-18

EXHIBIT 3

Bonita Springs Utilities
Lee County, Florida



JOHNSON ENGINEERING, INC.
2122 JOHNSON STREET
P.O. BOX 1550
FORT MYERS, FLORIDA 33902-1550
PHONE (239) 334-0046
FAX (239) 334-3661
E.B. #642 & L.B. #642

BSU Service Area Aerial Map

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
May 2017	20170029-000	--	As Shown	Figure 1

TABLE - B
Description Of Surface Water Pumps

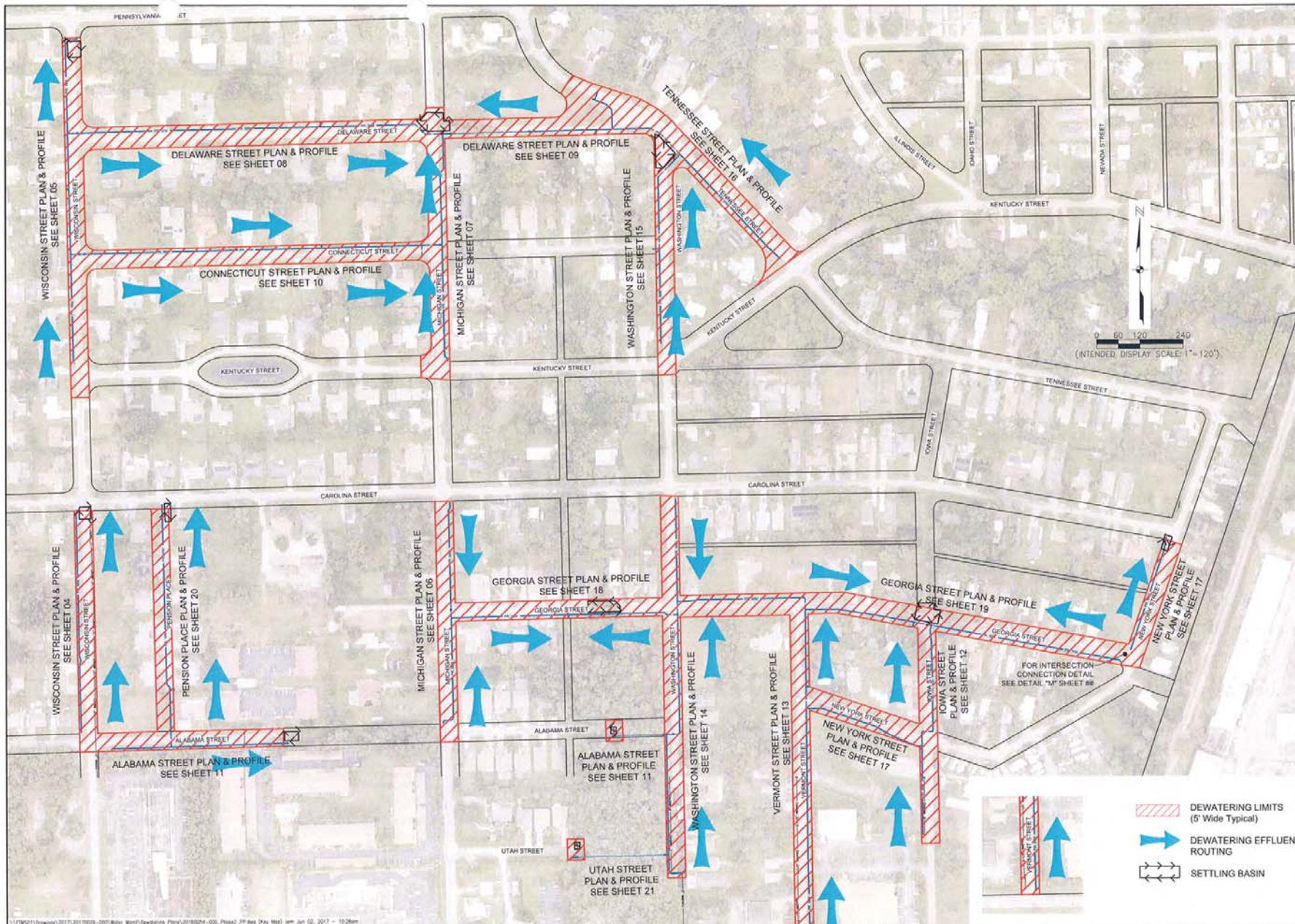
Application Number: 170609-18

Pump ID	276919	276920	276921	276922	276923	276924	276925
Name	Pump 1	Pump 2	Pump 3	Pump 4	Pump 5	Pump 6	Pump 7
Map Designator							
Facility Group							
Existing/Proposed	P	P	P	P	P	P	P
Pump Type	Vacuum	Vacuum	Hydraulic	Centrifugal	Hydraulic	Hydraulic	Centrifugal
Diameter(Inches)	6	8	6	6	12	12	6
Pump Capacity(GPM)	800	1,000	800	1,600	2,500	2,500	1,600
Pump Horse Power	40	60	62	62	55	55	62
Two Way Pump ?	N	N	N	N	N	N	N
Elevation (ft. NGVD)							
Planar Location							
Source							
Feet East							
Feet North							
Accounting Method	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Use Status	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Water Use Type	Mining / Dewatering	Mining / Dewatering	Mining / Dewatering	Mining / Dewatering	Mining / Dewatering	Mining / Dewatering	Mining / Dewatering
Surface Water Body	Water Table aquifer	Water Table aquifer	Water Table aquifer	Water Table aquifer	Water Table aquifer	Water Table aquifer	Water Table aquifer

TABLE - B
Description Of Surface Water Pumps

Application Number: 170609-18

Pump ID	276926
Name	Pump 8
Map Designator	
Facility Group	
Existing/Proposed	P
Pump Type	Centrifugal
Diameter(Inches)	6
Pump Capacity(GPM)	1,600
Pump Horse Power	62
Two Way Pump ?	N
Elevation (ft. NGVD)	
Planar Location	
Source	
Feet East	
Feet North	
Accounting Method	Unspecified
Use Status	Primary
Water Use Type	Mining / Dewatering
Surface Water Body	Water Table aquifer



\\FWS011\dwg\2017\2017009-000\Main\dwg\Drawing File\2017009-000_Plan01.dwg (Key Map) spt Jun 02, 2017 - 10:28am

JOHNSON ENGINEERING
 3122 JOHNSON STREET
 FORT MYERS, FLORIDA 33904-1850
 PHONE (239) 334-0000
 FAX (239) 334-0667
 E-MAIL J.E.B.@JENY.COM

Priority 1
Water Main Replacement 2017
 Sections 34 & 35, Township 47 South, Range 25 East
 Lee County, Florida

NO.	REVISIONS	DATE

DATE: MAY 2017
 PROJECT NO: 2017009-000
 FILE NO: 34 & 35-47-25
 SCALE: AS SHOWN

Key Map

SHEET NUMBER
03

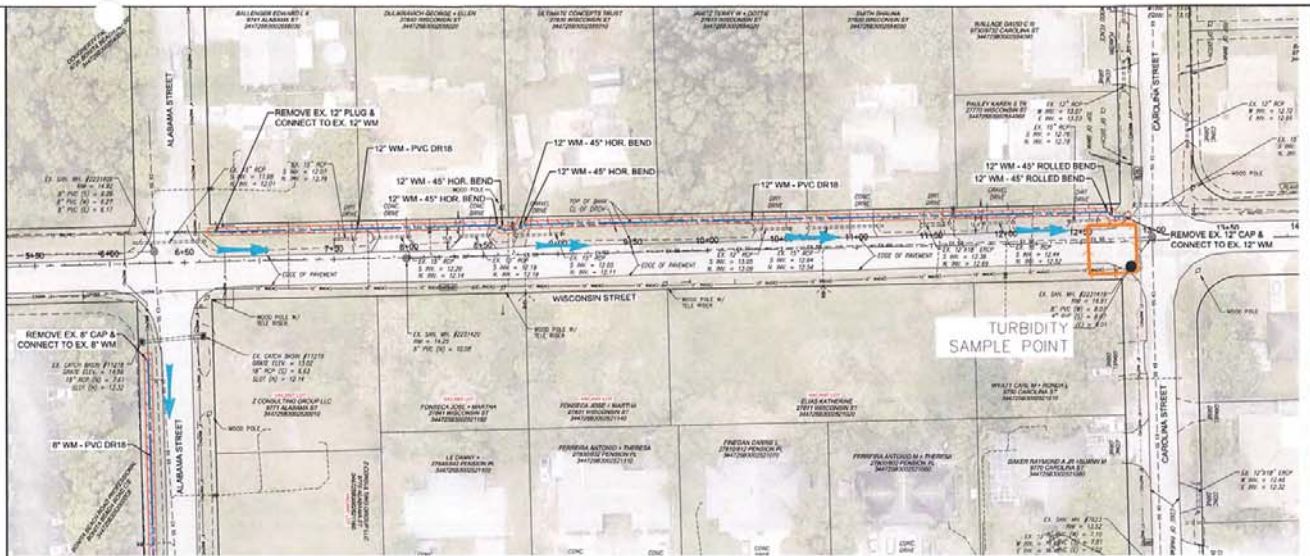
- DEWATERING LIMITS (5' Wide Typical)
- DEWATERING EFFLUENT ROUTING
- SETTLING BASIN

NO.	REVISIONS	DATE

DATE: MAY 2017
 PROJECT NO. 20170029-000
 FILE NO. 34 & 35-47-25
 SCALE: AS SHOWN

Wisconsin Street Plan & Profile
 Sta. 5+50 to 13+50

SHEET NUMBER
04

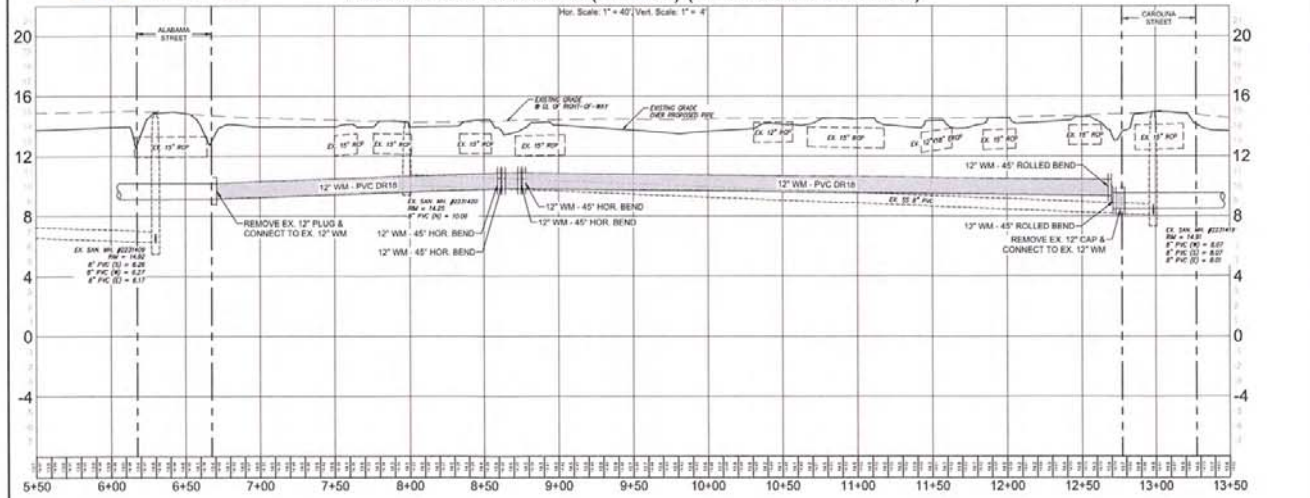


FOR CONTINUATION
 SEE SHEET 11

- NOTES:
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- DEWATERING EFFLUENT ROUTING
- SETTLING BASIN

Profile View of Wisconsin (Phase 2) (Sta: 5+50 to Sta: 13+50)

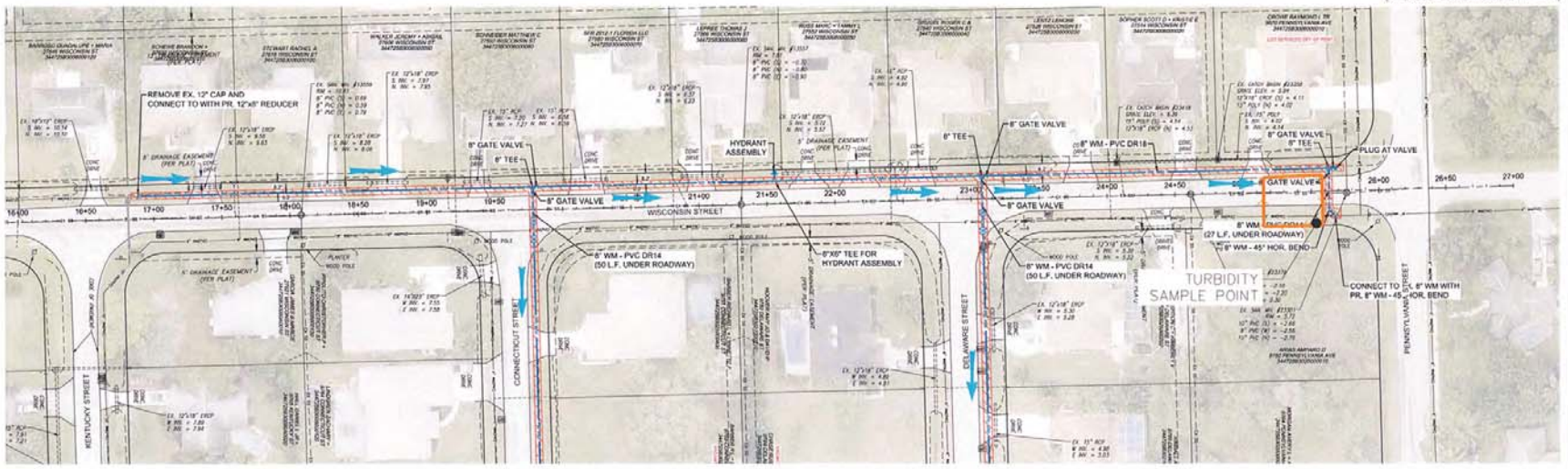
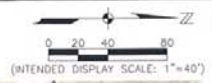


NO.	REVISIONS	DATE

DATE: MAY 2017
 PROJECT NO: 20170209-0001
 FILE NO: 34 & 35-47-26
 SCALE: AS SHOWN

Wisconsin Street Plan & Profile
 Sta. 16+00 to 27+00

SHEET NUMBER
05



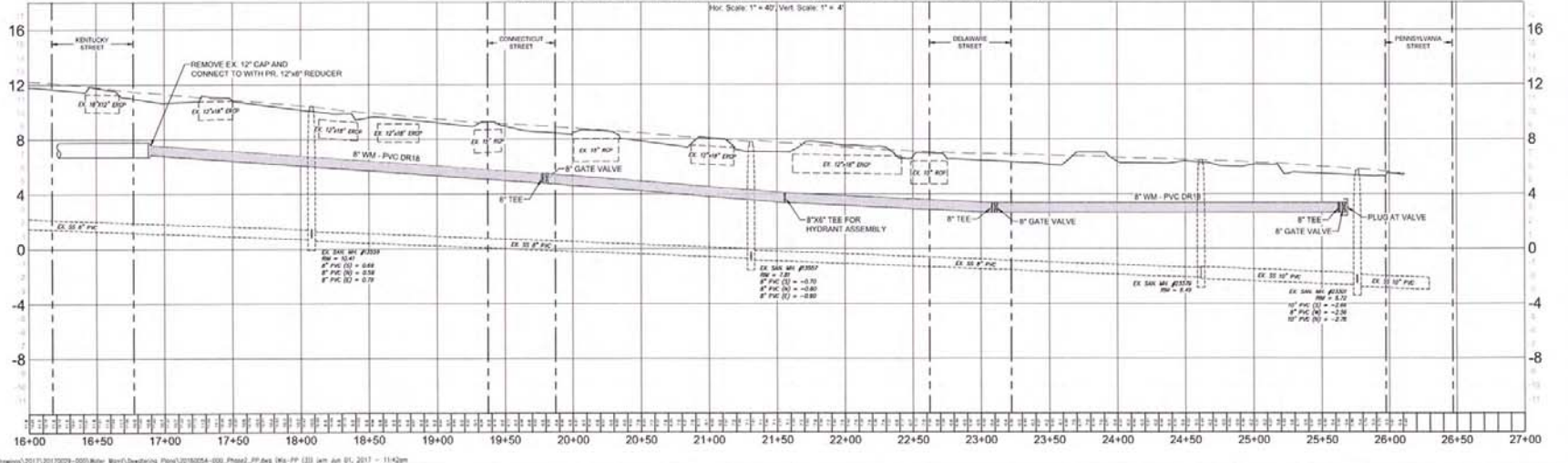
FOR CONTINUATION
 SEE SHEET 10

FOR CONTINUATION
 SEE SHEET 08

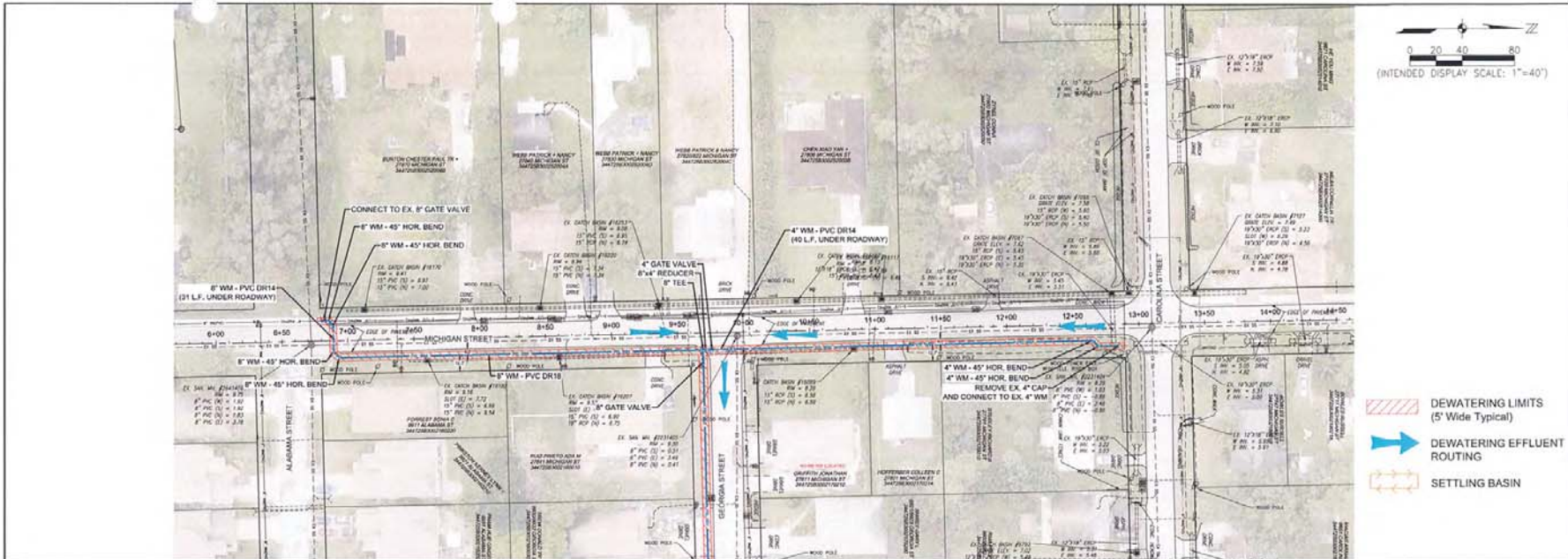
- DEWATERING LIMITS
 (5' Wide Typical)
- DEWATERING EFFLUENT
 ROUTING
- SETTLING BASIN

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Profile View of Wisconsin (Phase 2) (Sta: 16+00 to Sta: 27+00)



\\17001\Drawings\2017\20170209-0001\Drawings\Johnson_Engineering_Plan\20170209-0001_Profile_PP.dwg [16x PP] [3] Jan 04 2017 - 11:42am



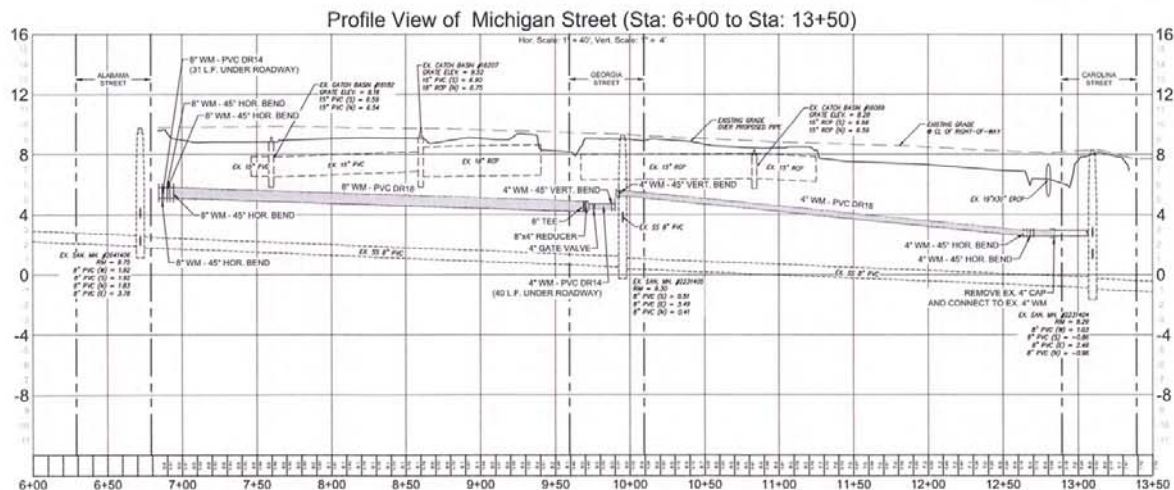
JOHNSON ENGINEERING
 2122 JOHNSON STREET
 FORT MYERS, FLORIDA 33903-1550
 PHONE: (239) 334-5599
 FAX: (239) 334-5661
 E-MAIL: J.E. @ J.E. ENGINEERING.COM

Bonita Springs Utilities, Inc.

Priority 1
Water Main Replacement 2017
 Sections 34 & 35 Township 47 South, Range 25 East
 Lee County, Florida

FOR CONTINUATION
 SEE SHEET 18

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NO.	REVISIONS	DATE

DATE: MAY 2017
 PROJECT NO. 20170029-000
 FILE NO. 34 & 35-47-25
 SCALE: AS SHOWN

Michigan Street Plan & Profile
 Sta. 6+00 to 13+50

SHEET NUMBER
06

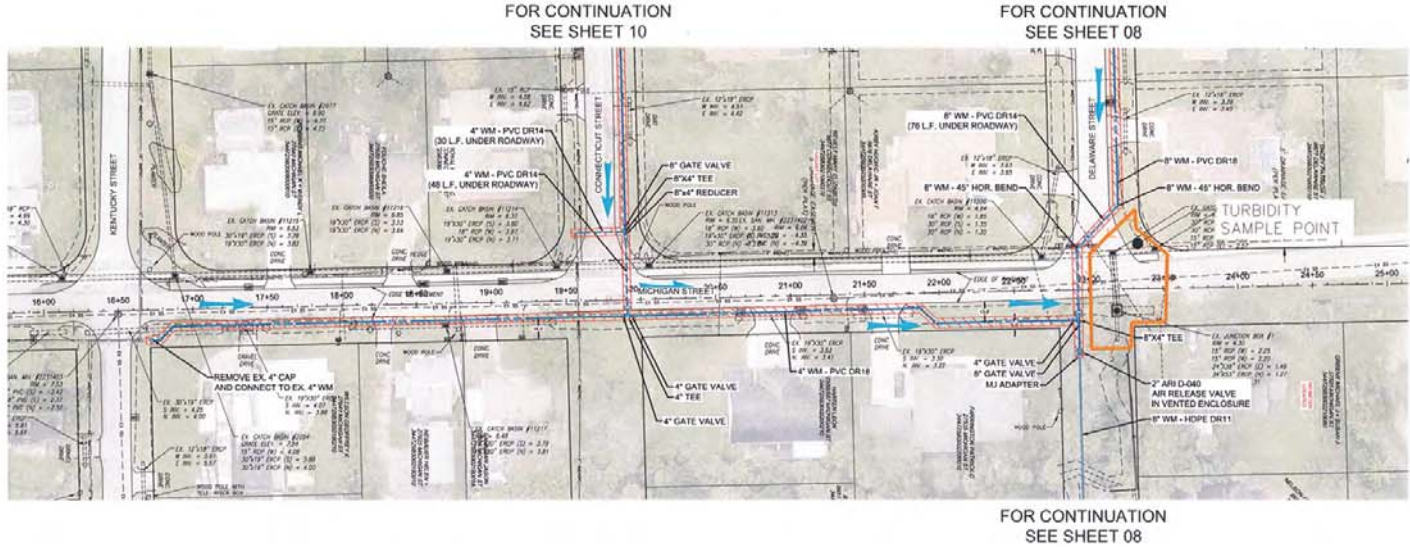
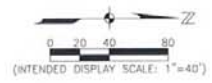
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NO.	DATE	REVISIONS DESCRIPTION

DATE: MAY 2017
 PROJECT NO. 2017029-000
 FILE NO. 34 & 35-47-25
 SCALE: AS SHOWN

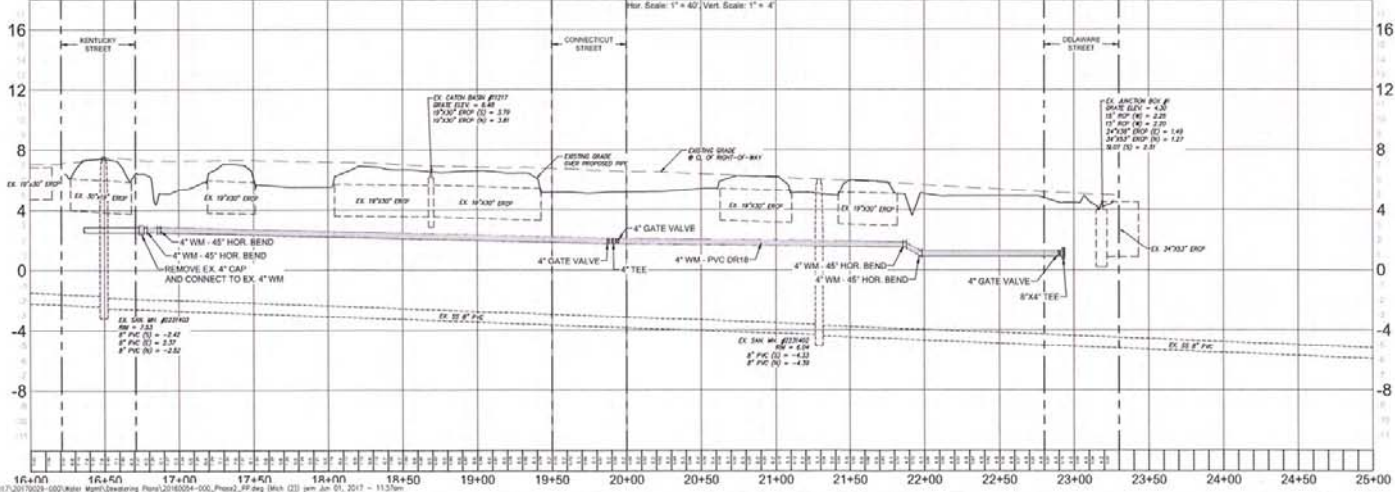
Michigan Street Plan & Profile
 Sta. 16+00 to 25+00

SHEET NUMBER
07



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Profile View of Michigan Street (Sta: 16+00 to Sta: 25+00)

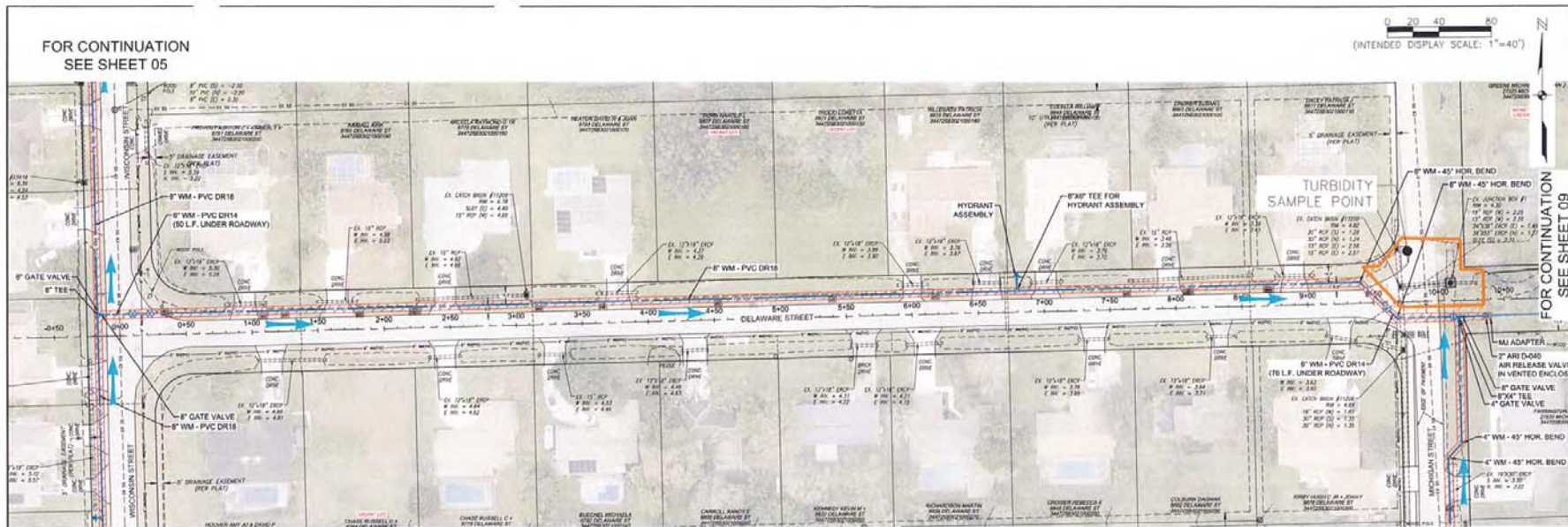


NO.	REVISIONS DESCRIPTION	DATE

DATE: MAY 2017
 PROJECT NO. 20170029-000
 FILE NO. 34 & 35-47-25
 SCALE: AS SHOWN

Delaware Street Plan & Profile
 Sta. -0+50 to 10+50

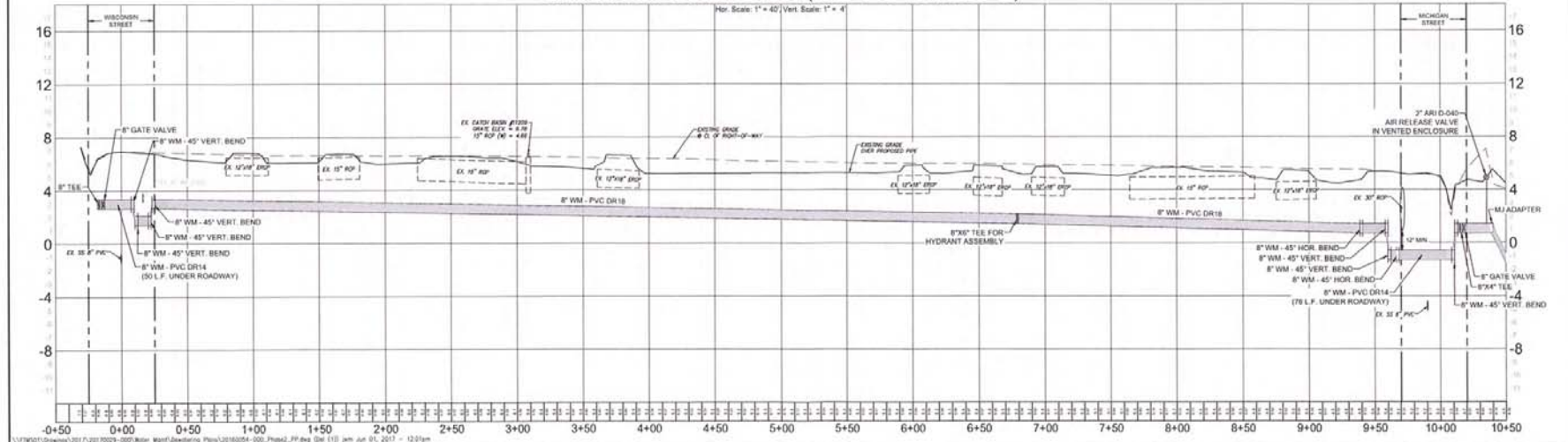
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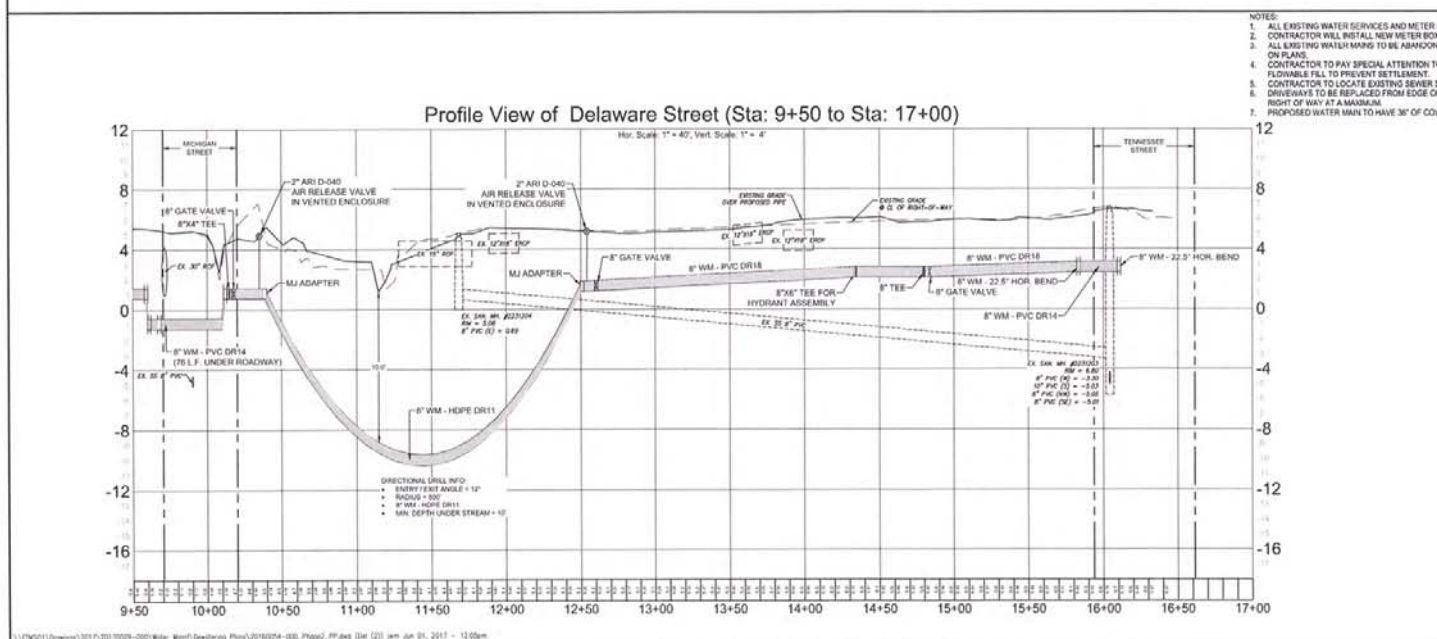
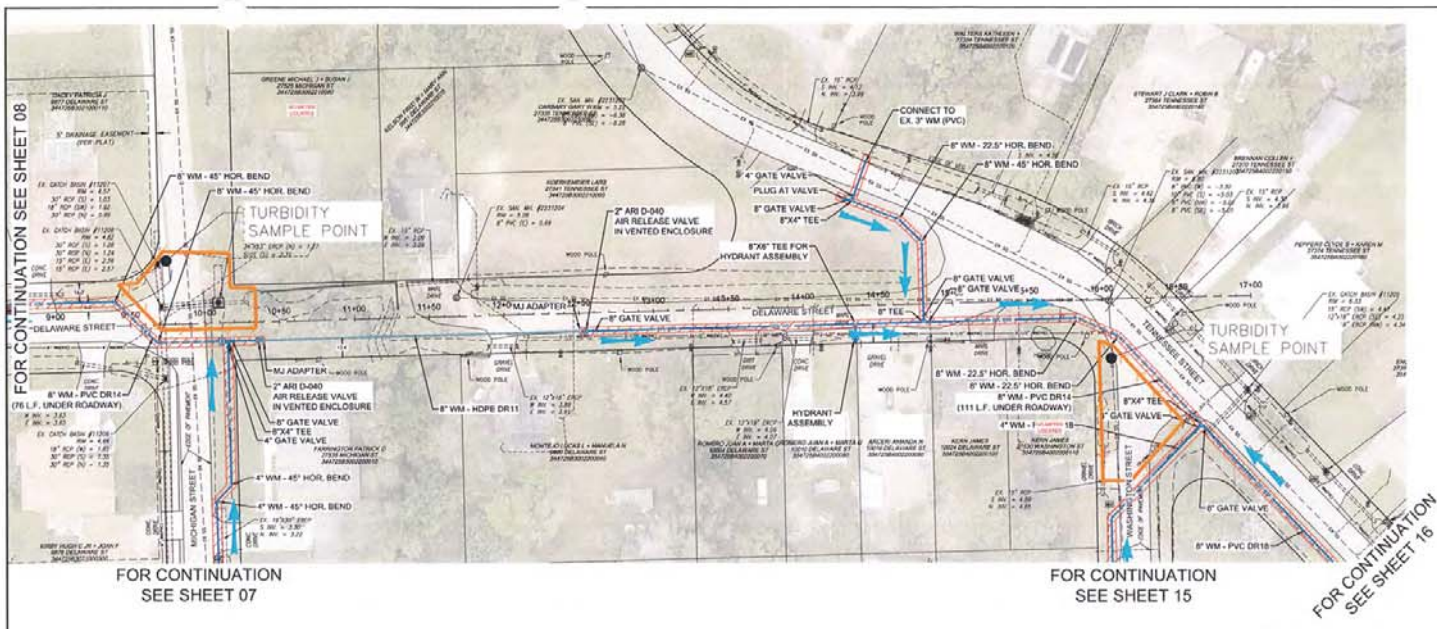
- DEWATERING LIMITS (5' Wide Typical)
- DEWATERING EFFLUENT ROUTING
- SETTLING BASIN

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Profile View of Delaware Street (Sta: -0+50 to Sta: 10+50)



\\V7001\Drawings\2017\20170029-000\Water Main\Johanson.dwg Plot: 20170029-000_Plan08.dwg Date: 05/12/2017 10:20am



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JOHNSON ENGINEERING
 2122 JOHNSON STREET
 FORT MYERS, FLORIDA 33902-1850
 PHONE: 888-336-3000
 FAX: 239-334-0861
 E.B. 402 413-4042

Bonita Springs Utilities, Inc.

Priority 1
 Water Main Replacement 2017
 Sections 34 & 35, Township 47 South, Range 25 East
 Lee County, Florida

NO.	REVISIONS	DATE

DATE: MAY 2017
 PROJECT NO: 20170029-000
 FILE NO: 34 & 35-47-25
 SCALE: AS SHOWN

Delaware Street Plan & Profile
 Sta. 9+50 to 17+00

SHEET NUMBER
09

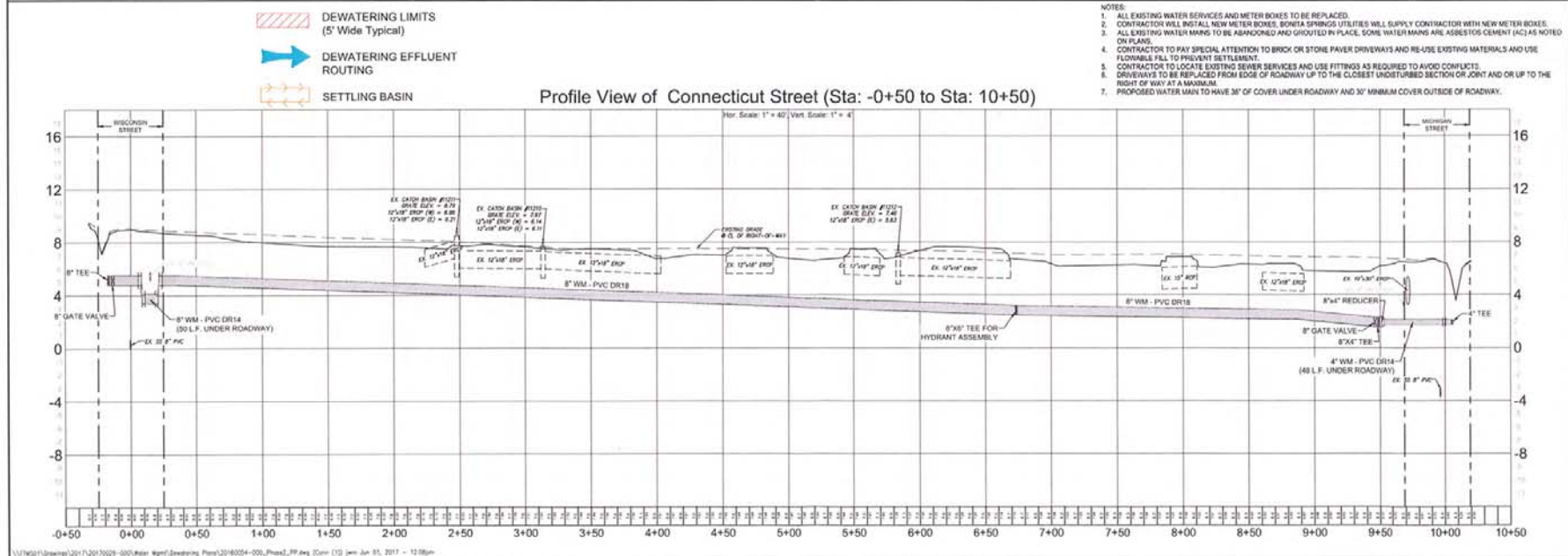
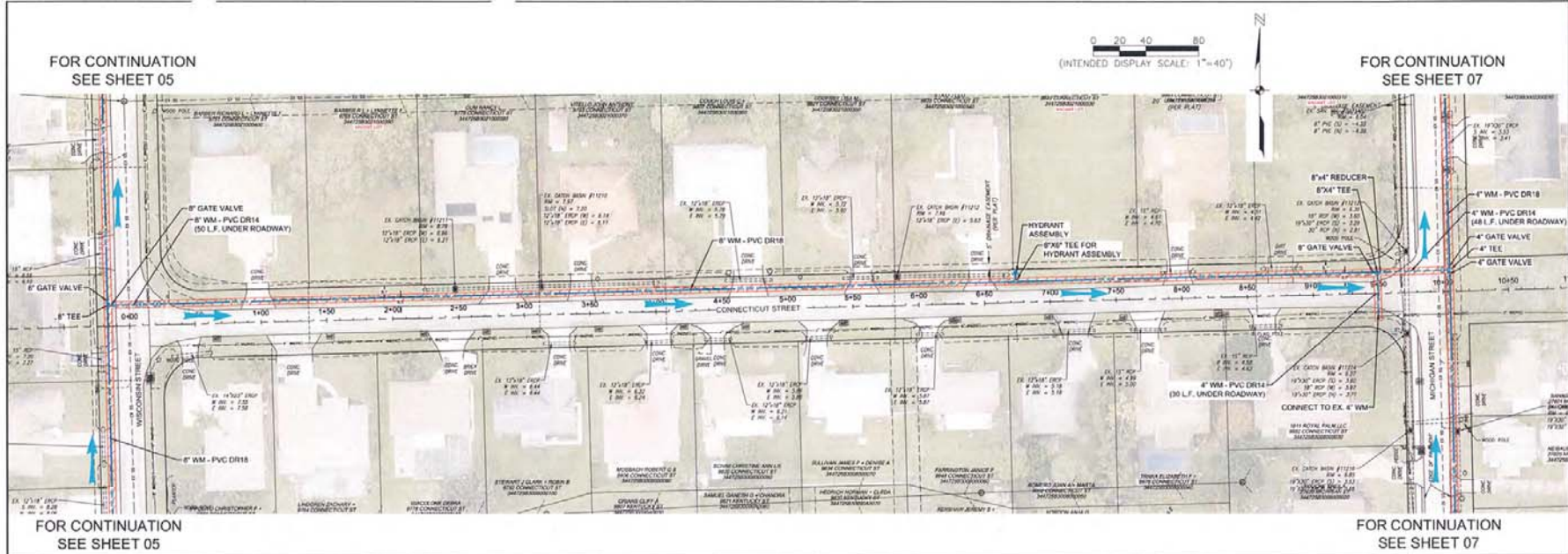
NO.	DATE	DESCRIPTION

DATE: MAY 2017
PROJECT NO: 20170029-000
FILE NO: 34 & 35-47-25
SCALE: AS SHOWN

Connecticut Street Plan & Profile Sta. 0+50 to 10+50

SHEET NUMBER

10



\\170609\Drawings\2017\20170029-000\Water\Appl\Drawings\Plan\20170029-000_Plan_34_35-47-25.dwg (20) Jun 01, 2017 - 12:56pm

NO.	DATE	DESCRIPTION

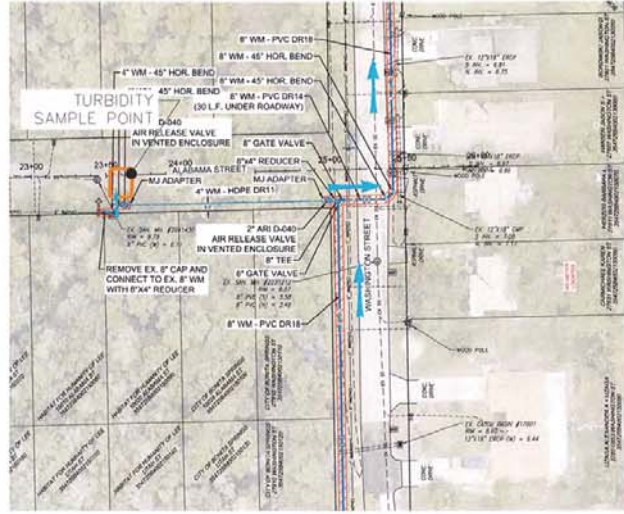
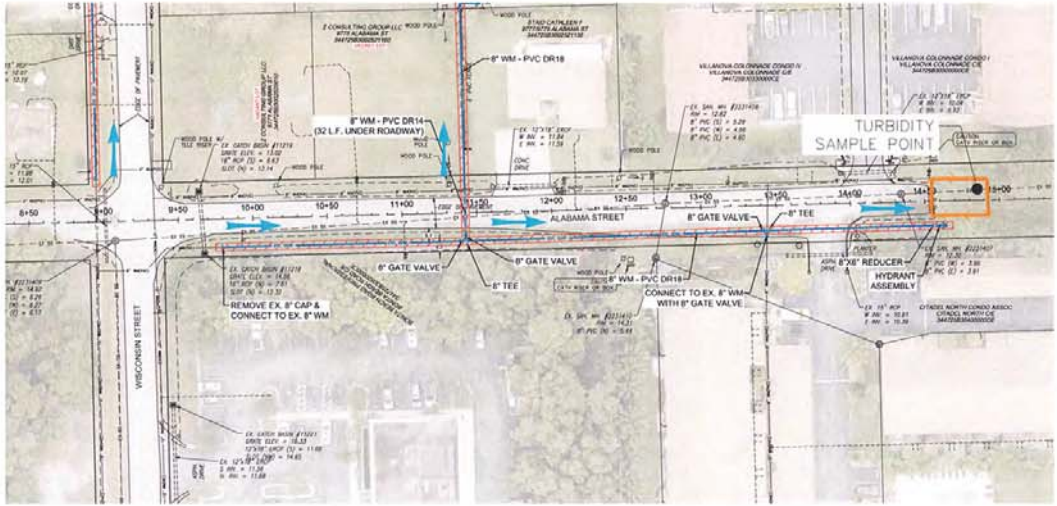
DATE: MAY 2017
 PROJECT NO.: 20170029-000
 FILE NO.: 34 & 35-47-25
 SCALE: AS SHOWN

Alabama Street Plan & Profile
 Sta. 8+50 to 15+00 &
 Sta. 23+00 to 26+00

SHEET NUMBER
11

FOR CONTINUATION
 SEE SHEET 04

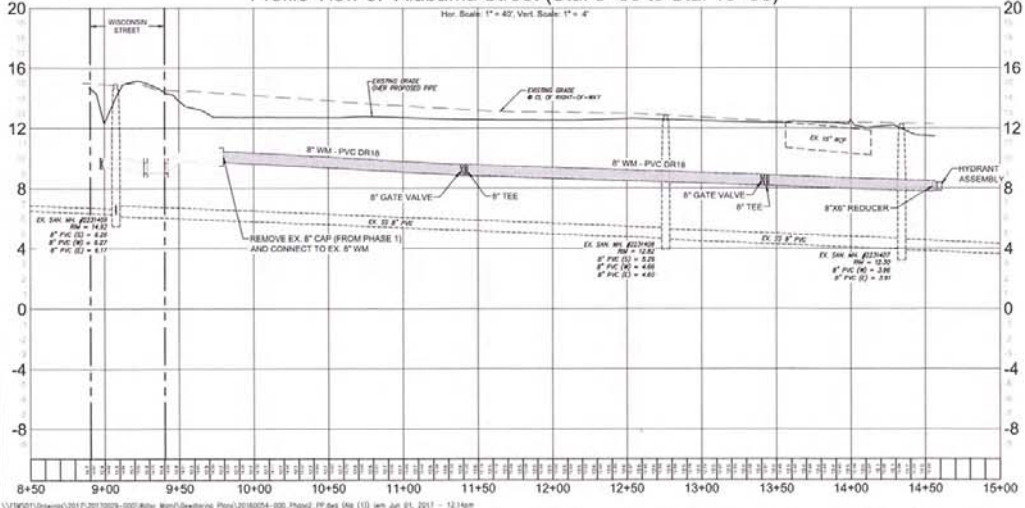
FOR CONTINUATION
 SEE SHEET 20



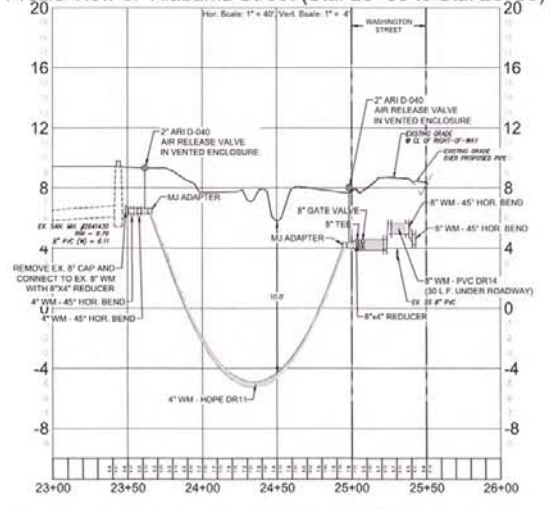
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- DEWATERING LIMITS (5' Wide Typical)
- DEWATERING EFFLUENT ROUTING
- SETTLING BASIN

Profile View of Alabama Street (Sta: 8+50 to Sta: 15+00)



Profile View of Alabama Street (Sta: 23+00 to Sta: 26+00)



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NO.	REVISIONS	DATE

DATE: MAY 5, 2017
PROJECT NO. 20160064-000
FILE NO. 34 & 35-47-25
SCALE: AS SHOWN

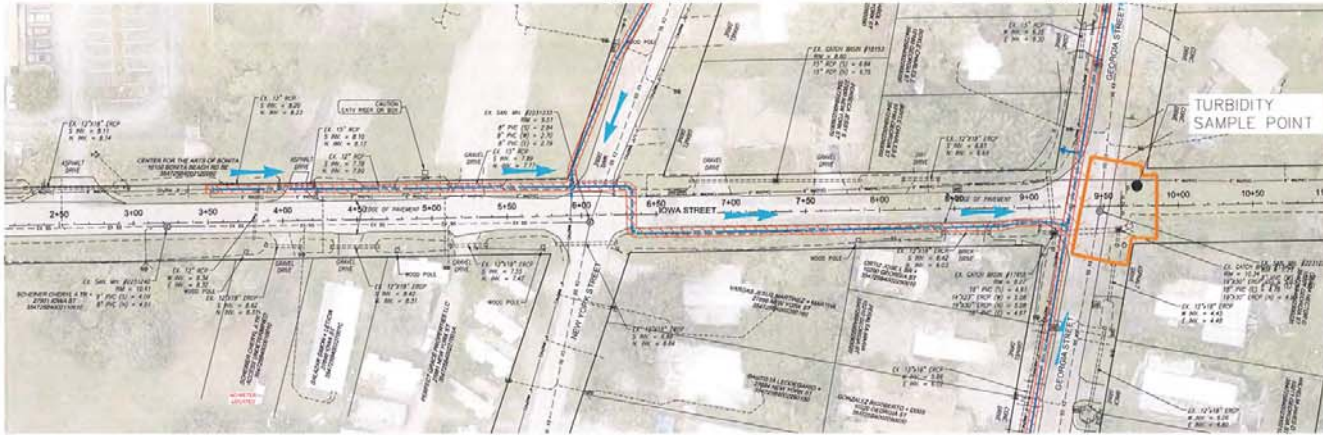
Iowa Street Plan & Profile
Sta. 2+50 to 10+50

SHEET NUMBER

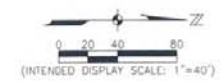
12

FOR CONTINUATION
SEE SHEET 17

FOR CONTINUATION
SEE SHEET 19

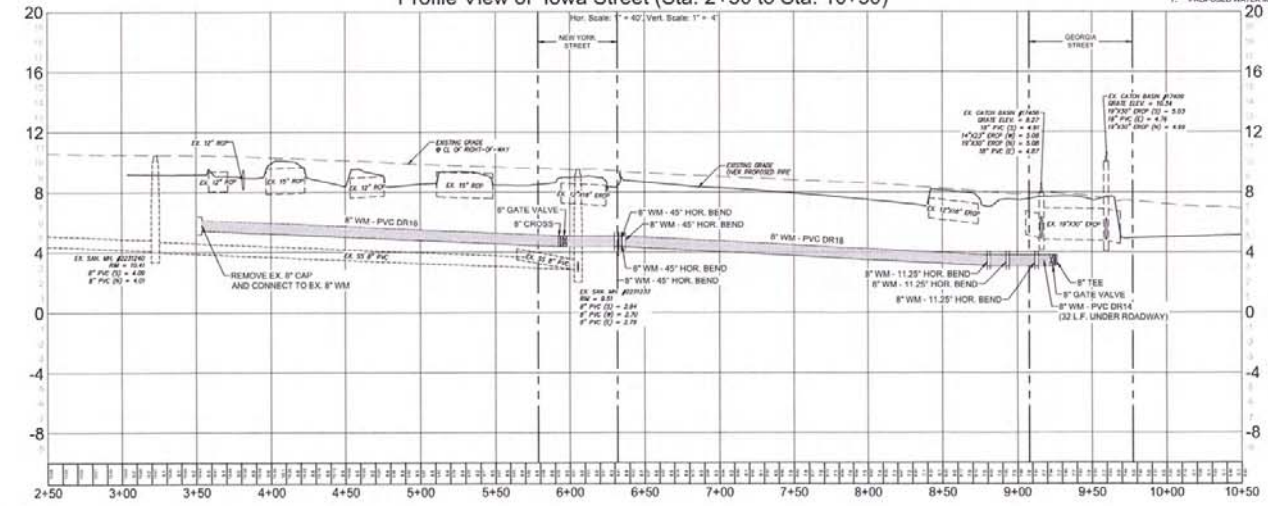


- DEWATERING LIMITS (5' Wide Typical)
- DEWATERING EFFLUENT ROUTING
- SETTLING BASIN



FOR CONTINUATION
SEE SHEET 19

Profile View of Iowa Street (Sta: 2+50 to Sta: 10+50)



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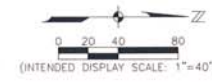
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NO.	REVISIONS	DATE

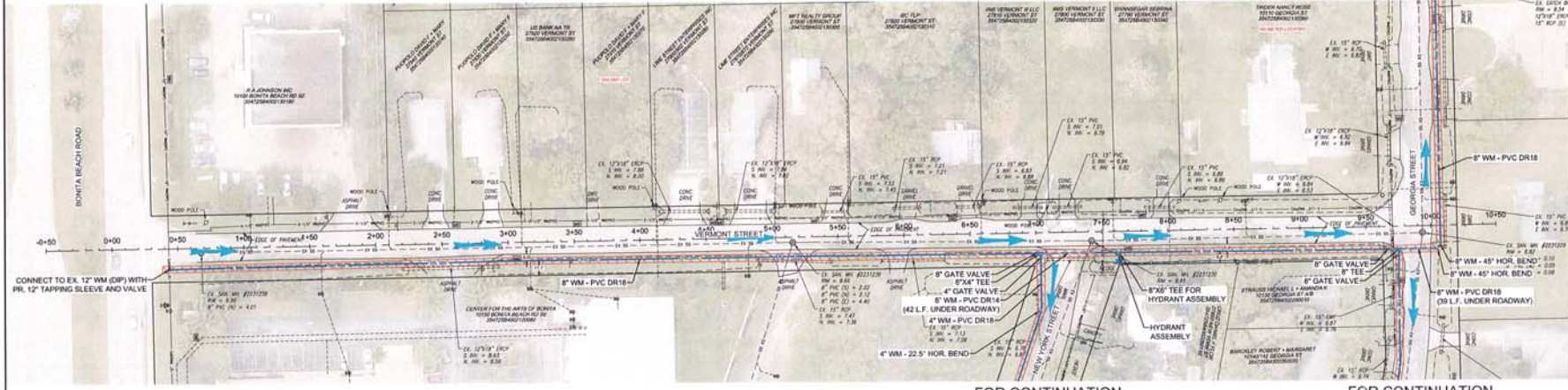
DATE: MAY 5, 2017
PROJECT NO: 20160054-000
FILE NO: 34 & 35-47-25
SCALE: AS SHOWN

Vermont Street Plan & Profile
Sta. 0+50 to 10+50

SHEET NUMBER
13

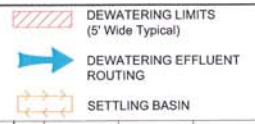


FOR CONTINUATION
SEE SHEET 18

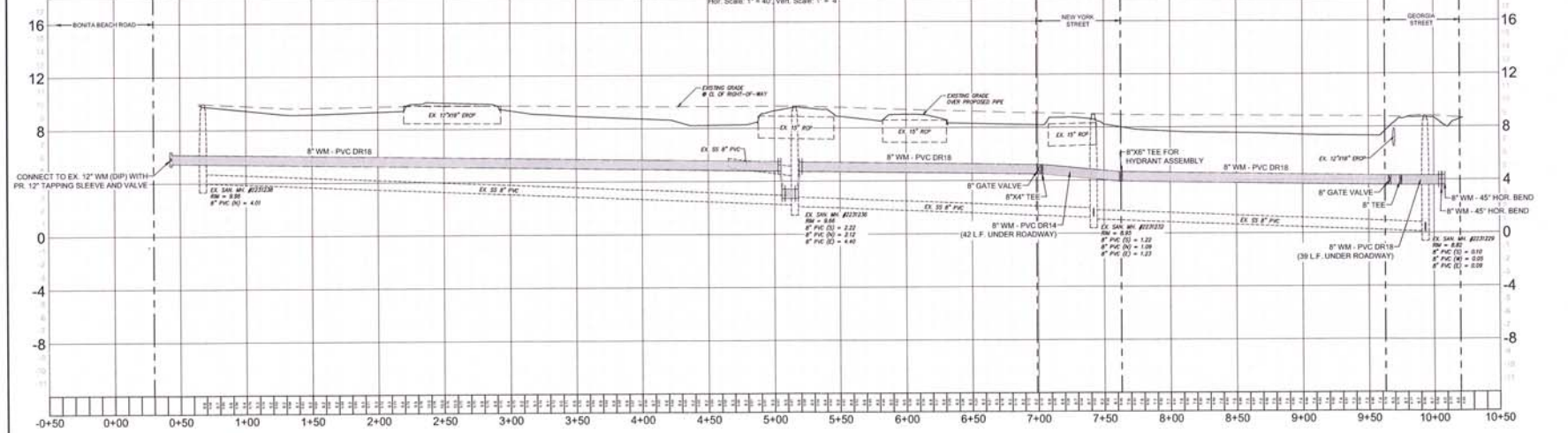


FOR CONTINUATION
SEE SHEET 17

FOR CONTINUATION
SEE SHEET 19



Profile View of Vermont Street (Sta: -0+50 to Sta: 10+50)



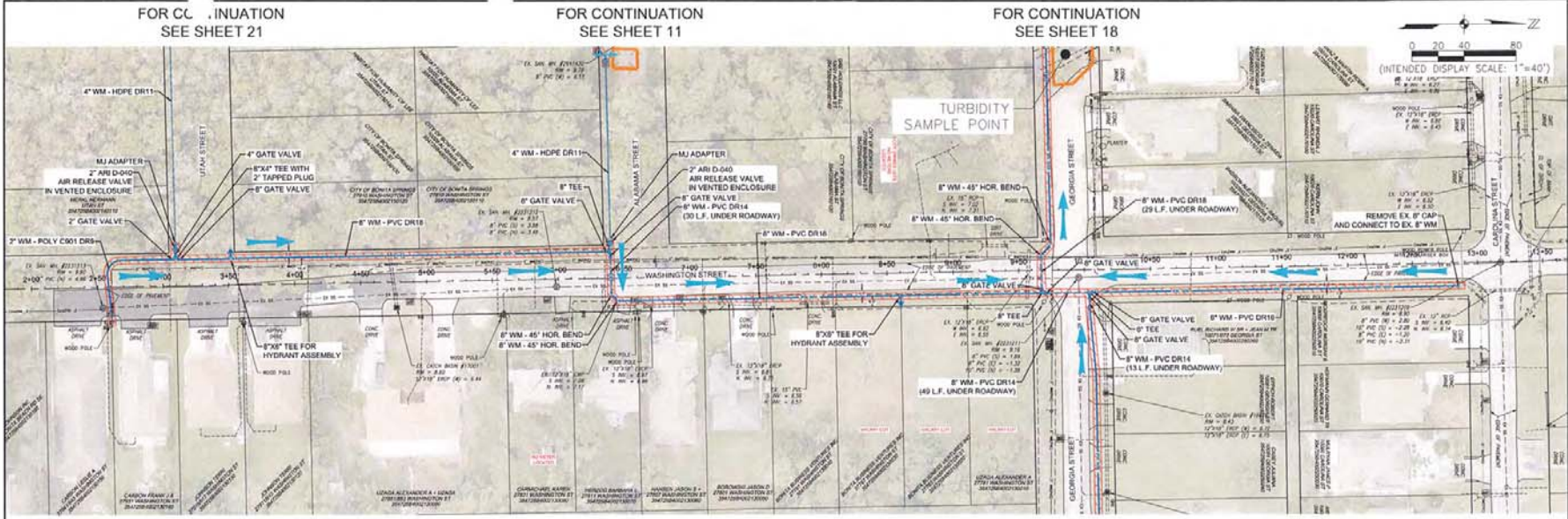
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NO.	REVISIONS	DATE

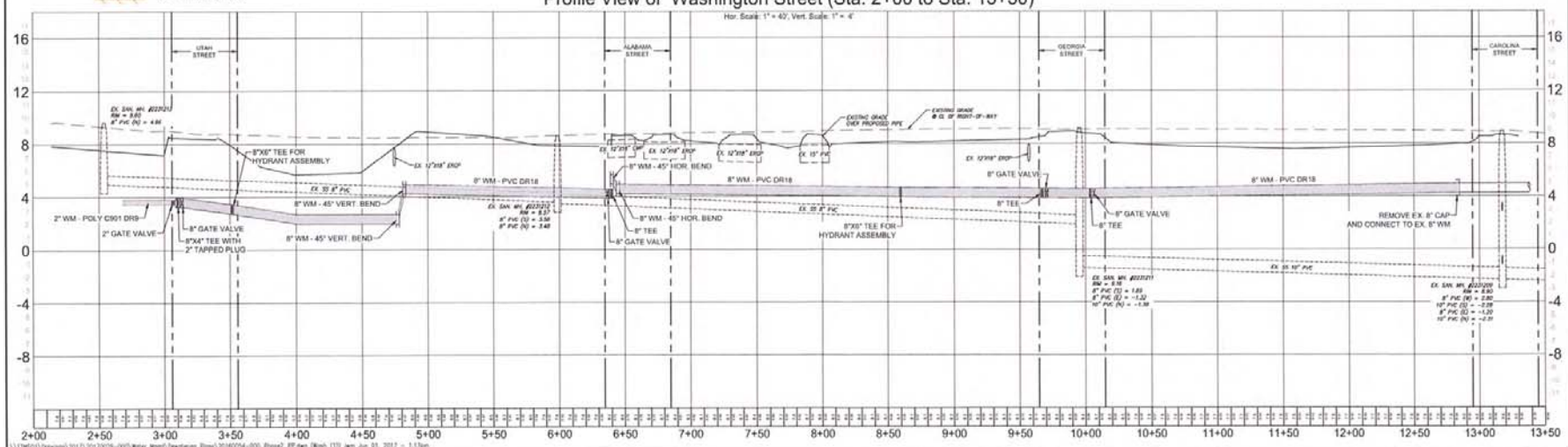
DATE: MAY 5, 2017
PROJECT NO. 20160054.000
FILE NO. 34 & 35-47-25
SCALE: AS SHOWN

Washington Street Plan & Profile Sta. 2+00 to 13+50

SHEET NUMBER
14



Profile View of Washington Street (Sta: 2+00 to Sta: 13+50)
Hor. Scale: 1" = 40'; Vert. Scale: 1" = 4'

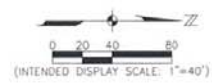
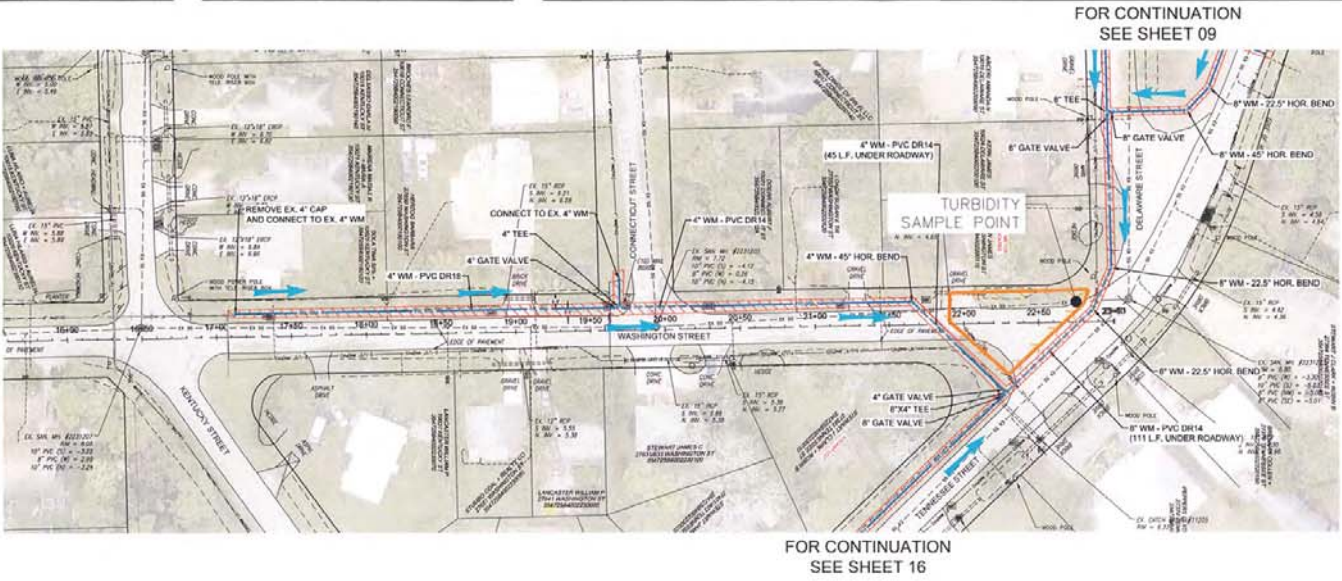


NO.	REVISIONS DESCRIPTION	DATE

DATE: MAY 5, 2017
 PROJECT NO: 20160054-000
 FILE NO: 34 & 35-47-35
 SCALE: AS SHOWN

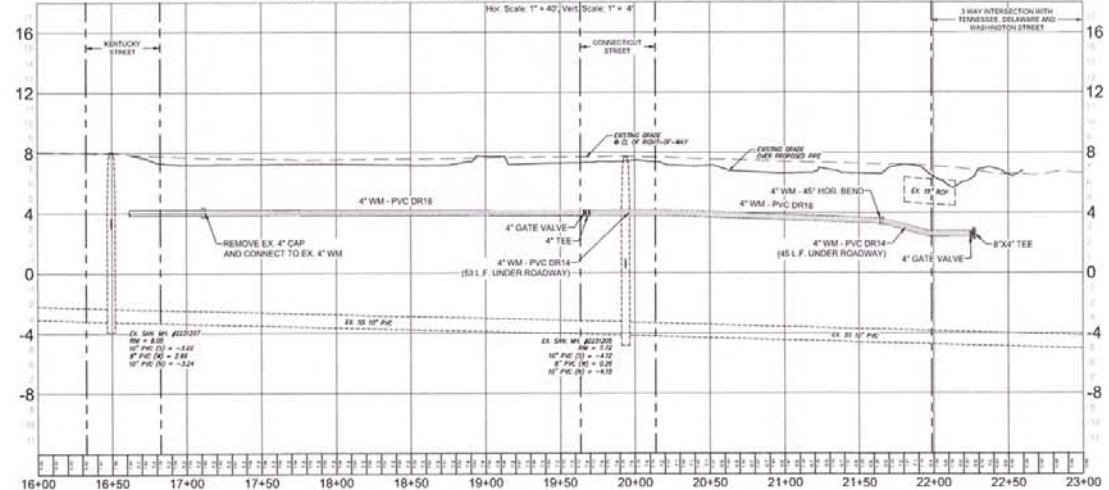
Washington Street Plan & Profile Sta. 16+00 to 23+00

SHEET NUMBER
15



- NOTES:
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 7. PROPOSED WATER MAIN TO HAVE 36" OF COVER UNDER ROADWAY AND 30" MINIMUM COVER OUTSIDE OF ROADWAY.

Profile View of Washington Street (Sta: 16+00 to Sta: 23+00)



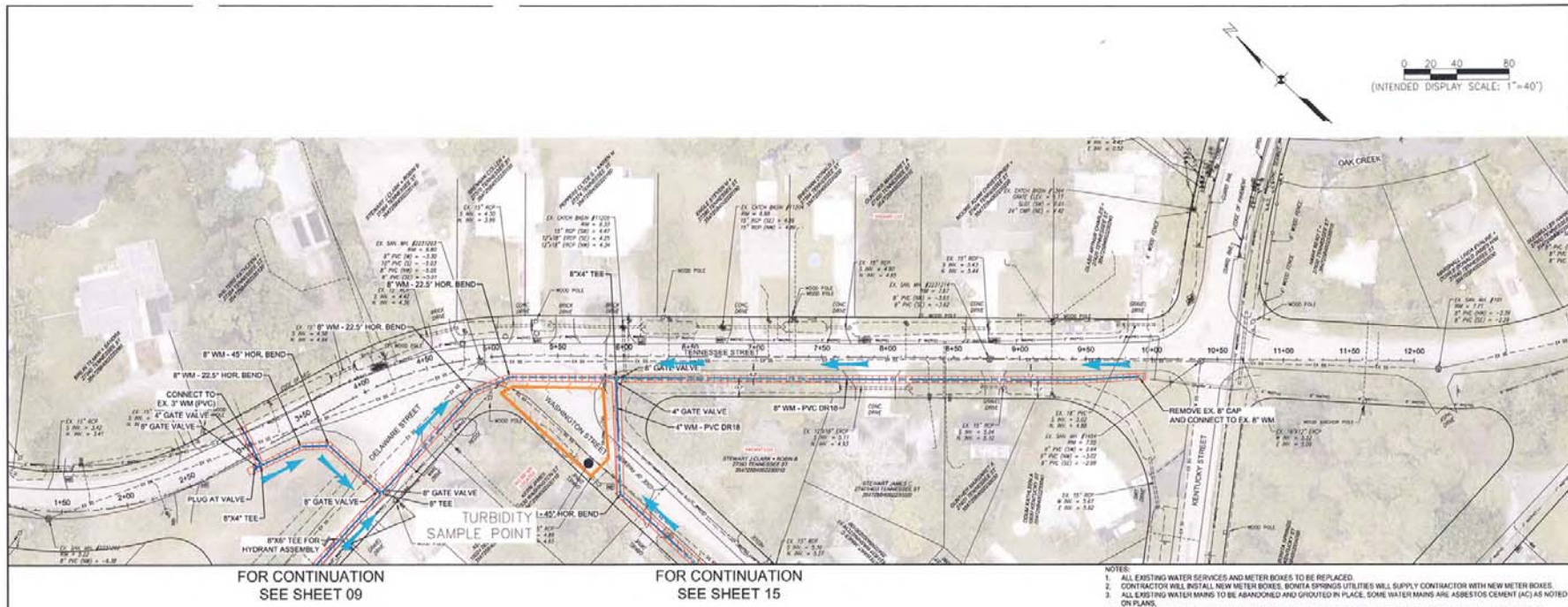
L:\170609\Drawings\2017\20170609-000\Water\Wsp\Johnson\Plan\20160054-000_Profile_PP.dwg (16/08/20) jeh Jun 01, 2017 - 1:22pm

NO.	DATE	DESCRIPTION

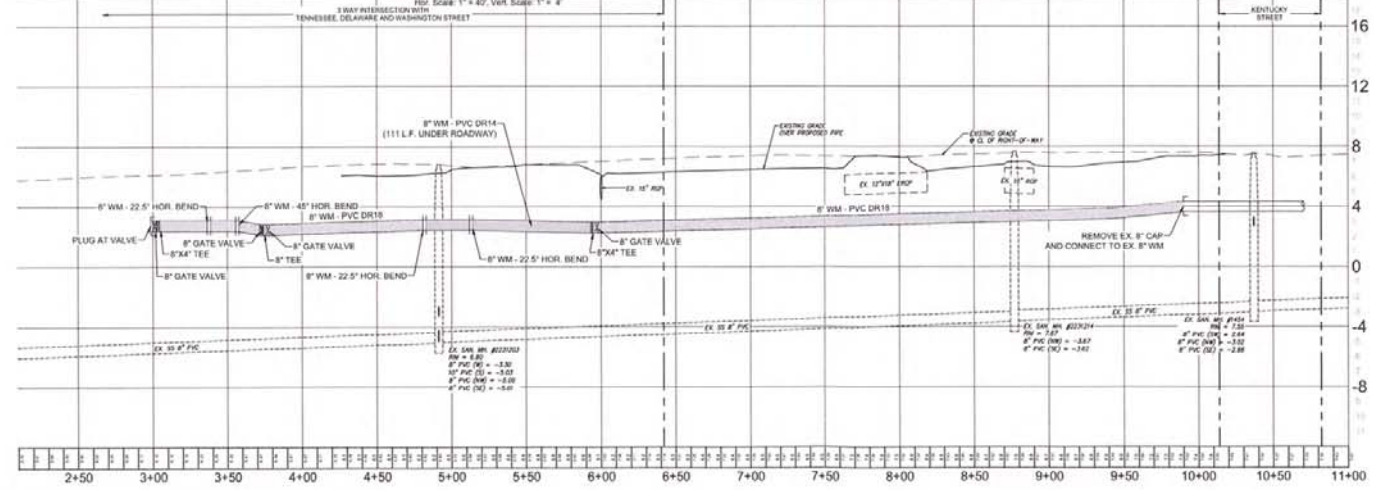
DATE: MAY 5, 2017
 PROJECT NO: 20160004-000
 FILE NO: 34 & 35-47-25
 SCALE: AS SHOWN

Tennessee Street Plan &
 Profile Sta. 2+50 to 11+00

SHEET NUMBER
16



Profile View of Tennessee Street (Sta: -0+50 to Sta: 11+00)



\\G01\johng\proj\2017\2016004-000\Water\Wpp\Drawing\Plan\2016004-000_Plan_16.dwg (1) Jan 01, 2017 - 1:30pm

NO.	DATE	REVISIONS

DATE: MAY 5, 2017
PROJECT NO: 20160054-000
FILE NO: 34 & 35-47-25
SCALE: AS SHOWN

New York Street Plan & Profile
Sta. -0+50 to 4+50 &
Sta. 10+00 to 14+50

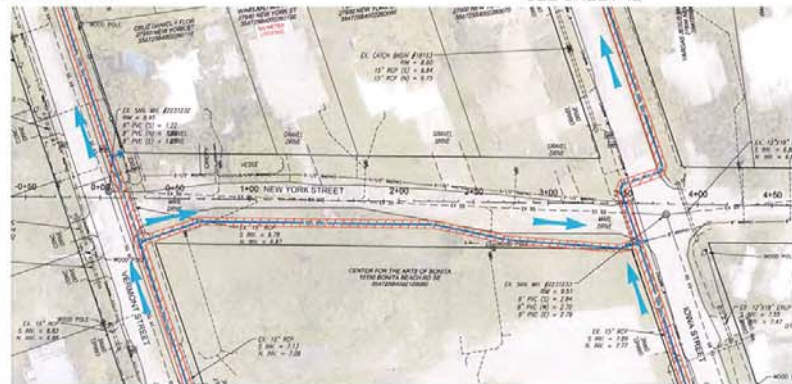
SHEET NUMBER
17



0 20 40 60
(INTENDED DISPLAY SCALE: 1"=40')

FOR CONTINUATION
SEE SHEET 13

FOR CONTINUATION
SEE SHEET 12

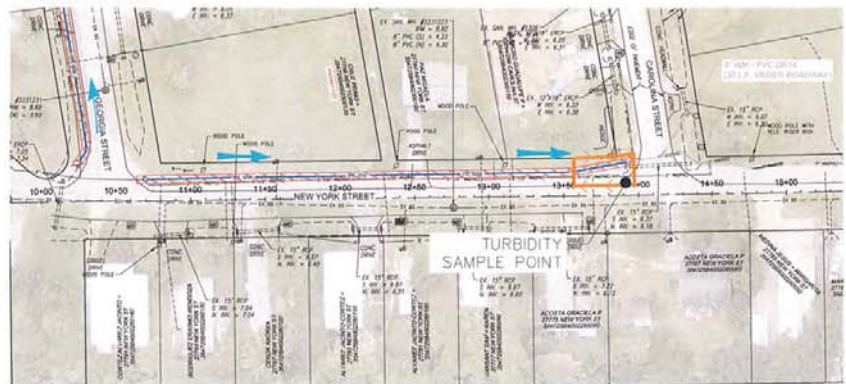


FOR CONTINUATION
SEE SHEET 13



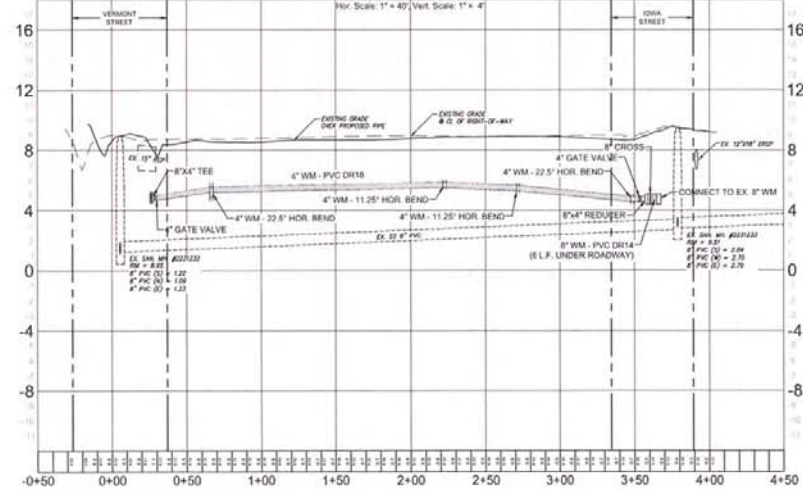
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FOR CONTINUATION
SEE SHEET 19

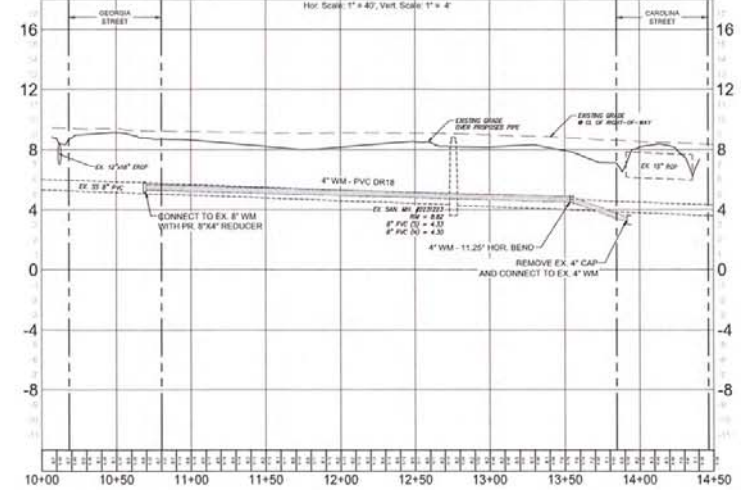


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Profile View of New York Street (Sta: -0+50 to Sta: 4+50)



Profile View of New York Street (Sta: 10+00 to Sta: 14+50)



\\176021\Drawings\2017\20170229-00\Water_Ngpt\Drawings_Plan\20160054-000_Plan2_PP.dwg (1) [13] Jun 01, 2017 - 1:43pm

NO.	DATE	REVISIONS

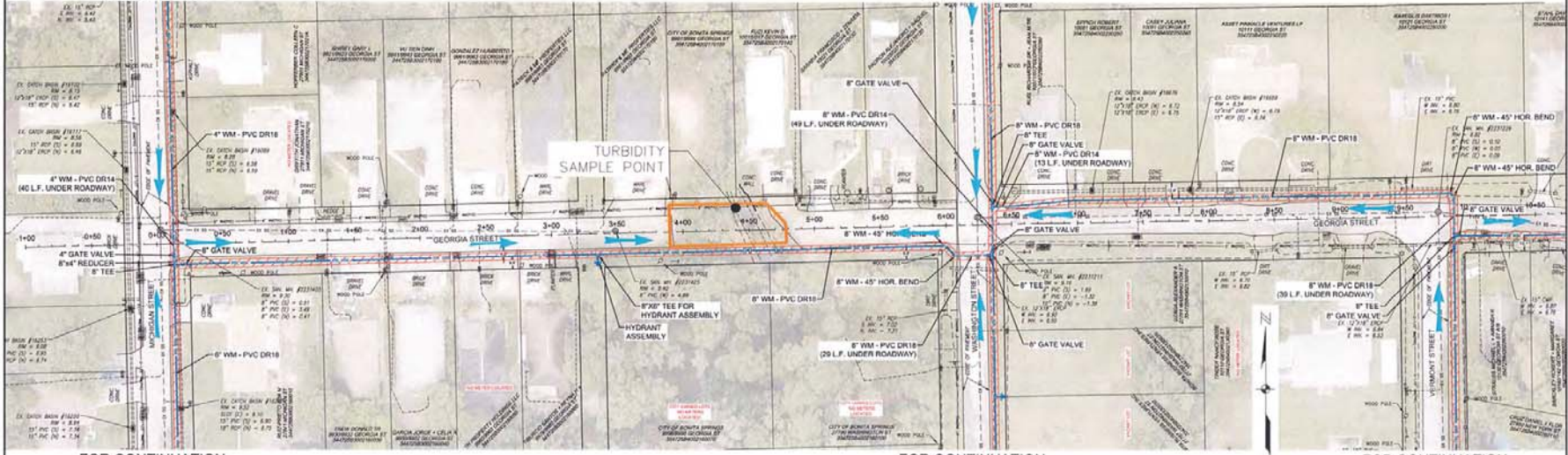
DATE: MAY 8, 2017
PROJECT NO: 20160054-000
FILE NO: 34 & 35-17-25
SCALE: AS SHOWN

Georgia Street Plan & Profile
Sta. -0+50 to 10+50

SHEET NUMBER
18

FOR CONTINUATION
SEE SHEET 06

FOR CONTINUATION
SEE SHEET 14



FOR CONTINUATION
SEE SHEET 06

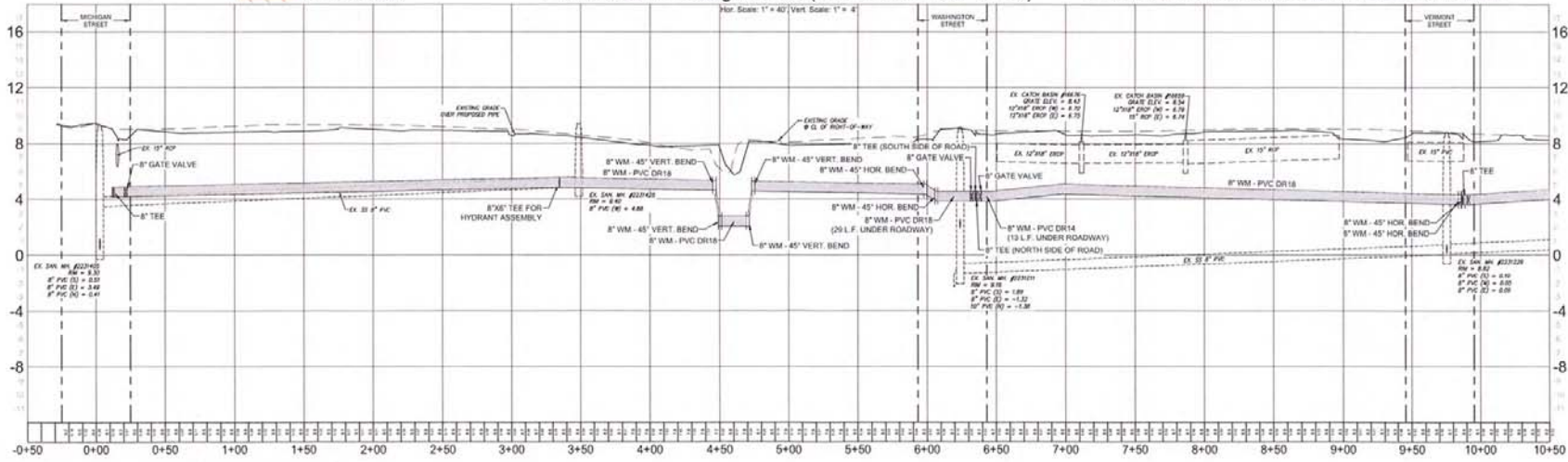
FOR CONTINUATION
SEE SHEET 14

FOR CONTINUATION
SEE SHEET 13

- DEWATERING LIMITS (5' Wide Typical)
- DEWATERING EFFLUENT ROUTING
- SETTLING BASIN

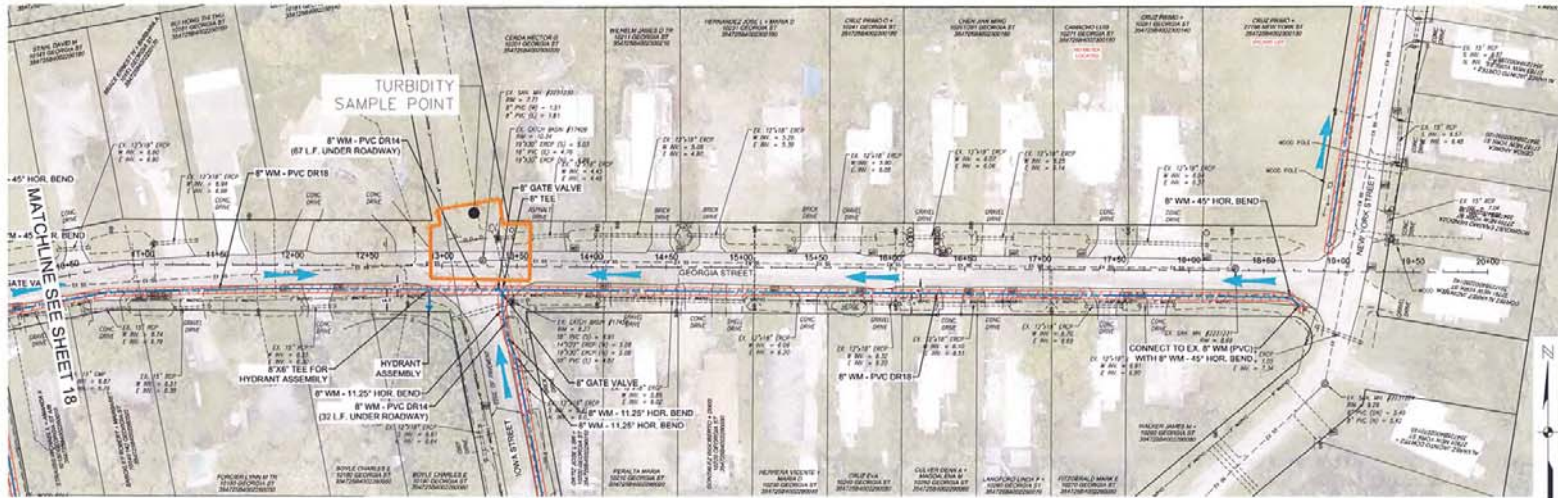
Profile View of Georgia Street (Sta: -0+50 to Sta: 10+50)

- NOTES:
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L:\Projects\Drawings\3170217028-000\wp\dwg\dwg\3170217028-000_Plan2_P1.dwg (1) Jan 26, 2017 - 1:52pm

FOR CONTINUATION
SEE SHEET 17

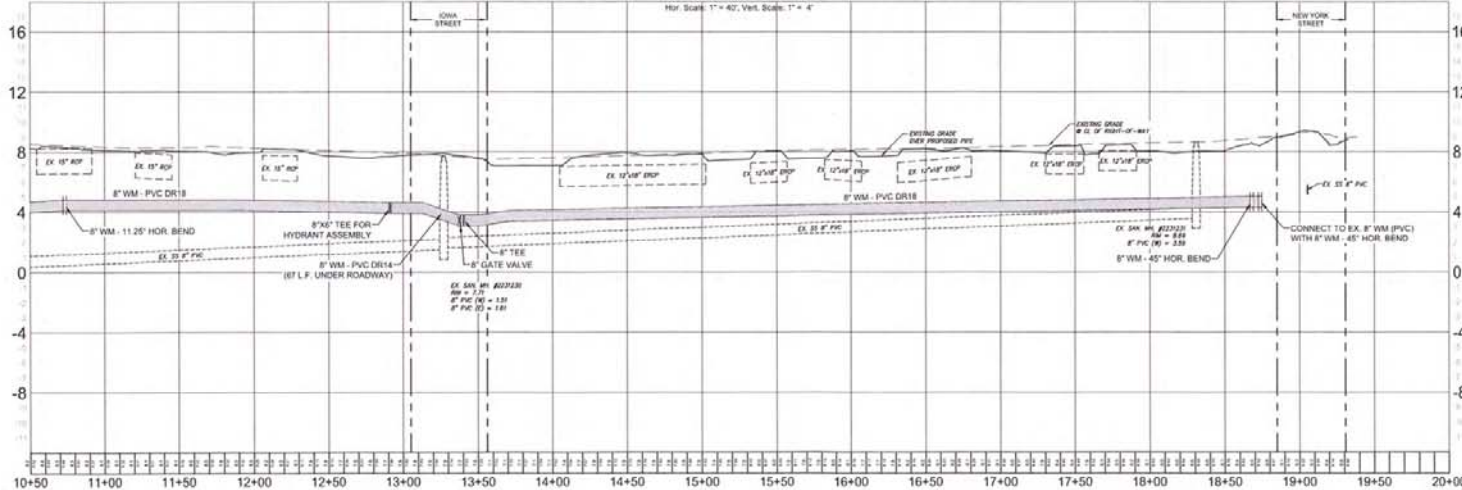


FOR CONTINUATION
SEE SHEET 12

- DEWATERING LIMITS
(5' Wide Typical)
- DEWATERING EFFLUENT
ROUTING
- SETTLING BASIN

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Profile View of Georgia Street (Sta: 10+50 to Sta: 20+00)



NO.	REVISIONS	DATE

DATE: MAY 5, 2017
PROJECT NO: 20160054-000
FILE NO: 34 & 35-47-25
SCALE: AS SHOWN

Georgia Street Plan & Profile
Sta_10+50_to_20+00

SHEET NUMBER

19

NO.	REVISIONS	DATE

DATE: MAY 5, 2017
 PROJECT NO. 20160084-000
 FILE NO. 34 & 35-47-25
 SCALE: AS SHOWN

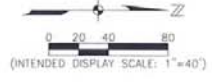
Pension Place Plan & Profile
 Sta. 0+50 to 7+00

SHEET NUMBER
20

FOR CONTINUATION
 SEE SHEET 11



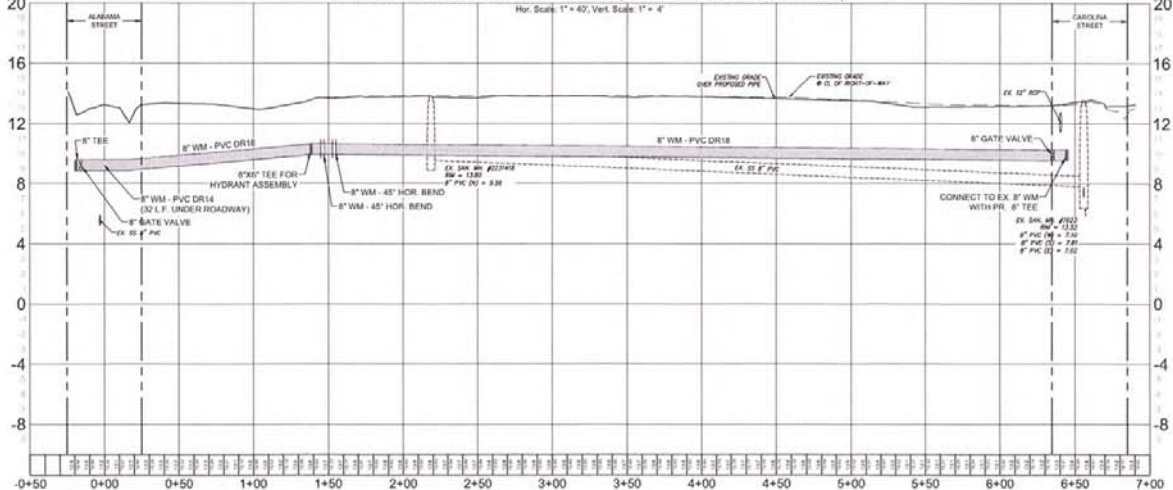
FOR CONTINUATION
 SEE SHEET 11



- DEWATERING LIMITS (5' Wide Typical)
- DEWATERING EFFLUENT ROUTING
- SETTLING BASIN

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Profile View of Pension Place (Sta: -0+50 to Sta: 7+00)



U:\Projects\Drawings\2017\20170609-000\Water Mains\Drawings\Plan\20160084-000_Plan_20.dwg (Pension) Jan 01, 2017 - 2:02pm

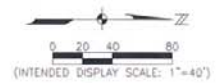
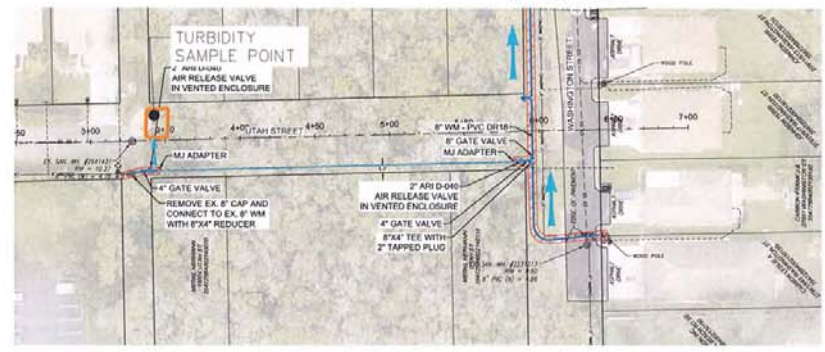
NO.	DATE	DESCRIPTION

DATE: MAY 5, 2017
 PROJECT NO.: 20160054.000
 FILE NO.: 34 & 35-47-25
 SCALE: AS SHOWN

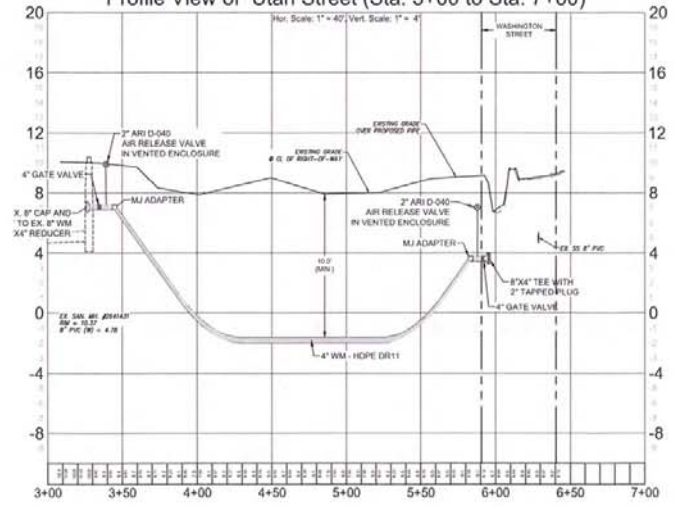
Utah Street Plan & Profile
 Sta. 3+00 to 7+00

SHEET NUMBER
21

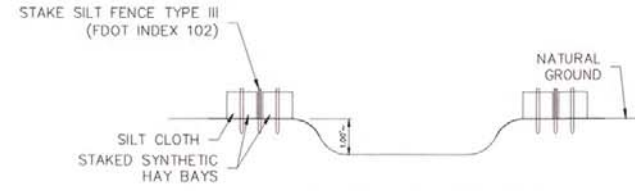
FOR CONTINUATION
 SEE SHEET 14



Profile View of Utah Street (Sta: 3+00 to Sta: 7+00)



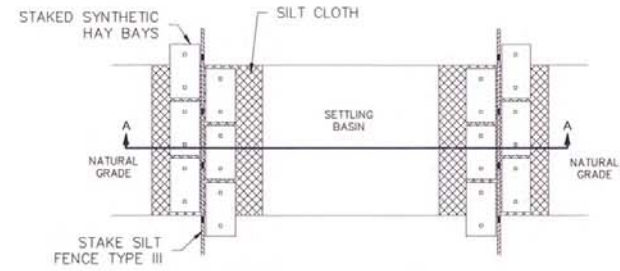
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PARTICULATE SETTLING BASIN

CROSS SECTION A-A

N.T.S.

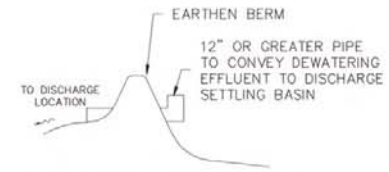


PARTICULATE SETTLING BASIN

PLAN VIEW

N.T.S.

NOTE:
ALL EROSION CONTROL DEVICES SHALL
BE INSTALLED IN ACCORDANCE WITH THE
STATE OF FLORIDA EROSION CONTROL
AND SEDIMENT CONTROL MANUAL PRIOR
TO BEGINNING OF WORK.



SIDE OF SETTLING BASIN

CLOSEST TO DISCHARGE LOCATION

N.T.S.

NO.	REVISIONS DESCRIPTION	DATE

DATE: MAY 2017
PROJECT NO. 20170029-000
FILE NO. 34 & 35-47-35
SCALE: AS SHOWN

Phase 1 Utility Improvement

Utility	LF	LF/day	Dewatering Depth (ft)	Hydraulic Conductivity (ft/d)	Water in Excavation Area (MG) [%]	Flow per Day (MGD)	Estimated Days to Construct	Total Flow (MG)
Potable	75,000	100	5	100	2.81	0.08	750	61.7

BSU WTP Expansion Project

Utility	LF	LF/day*	Dewatering Depth (ft)	Hydraulic Conductivity (ft/d)	Water in Excavation Area (MG) [%]	Flow per Day (MGD)	Estimated Days to Construct	Total Flow (MG)
Raw Water Line (Imperial Pkwy)	1,460	16	12	100	0.58	0.07	90	6.7
Raw Water Line (Red Hibiscus Dr.)	1,350	15	8	100	0.29	0.04	90	3.8

* LF/day based on total estimated time of 180 days to complete 2,810 LF of pipe installation

Cell	Cell Acreage	Cell Perimeter (feet)	Dewatering Depth (ft)	Hydraulic Conductivity (ft/d)	Water in Excavation Area (MG) [%]	Flow per Day (MGD)	Estimated Days to Construct	Total Flow (MG)
Sand Strainer	0.028	190	6	100	0.011	0.09	90	7.7
Raw Water Blending Pad	0.002	66	7	100	0.001	0.03	90	3.1
Well 39 Retaining Wall	0.060	296	13	100	0.051	0.29	30	8.7

Future Work

Cell	Cell Acreage	Cell Perimeter (feet)	Dewatering Depth (ft)	Hydraulic Conductivity (ft/d)	Water in Excavation Area (MG) [%]	Flow per Day (MGD)	Estimated Days to Construct	Total Flow (MG)
Sewer Lift Station	0.014	100	25	1000	0.023	1.87	10	18.7

Max Day Pumpage:	2.84	(maximum sum of Flow per Day & Water in Excavation Area per day values above table multiplied by 1.5)
Total Pumpage:	152.69	(total of Flow per Day x Days to Construct & Water in Excavation Area values above table multiplied by 1.5)

% Does not account for side-slopes. Actual excavated volume will be less.

Expected Project withdrawals:

Max. Month: 300 MG and Annually: 2,500 MG

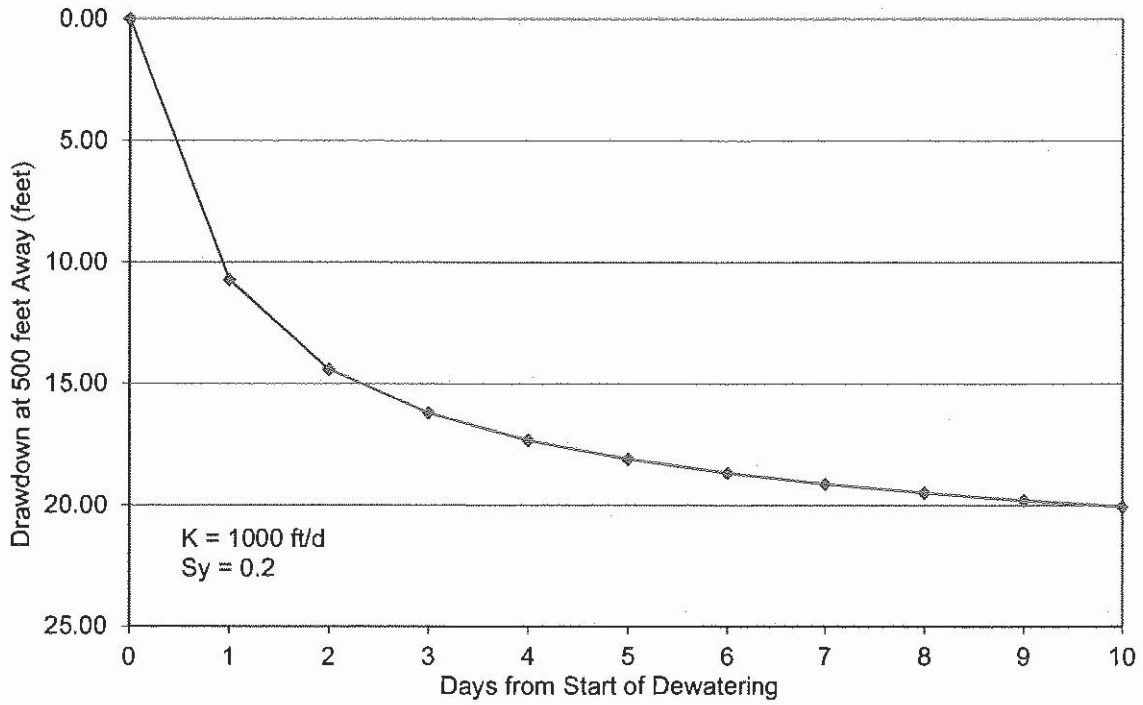
APPLICATION NUMBER

170609-18th

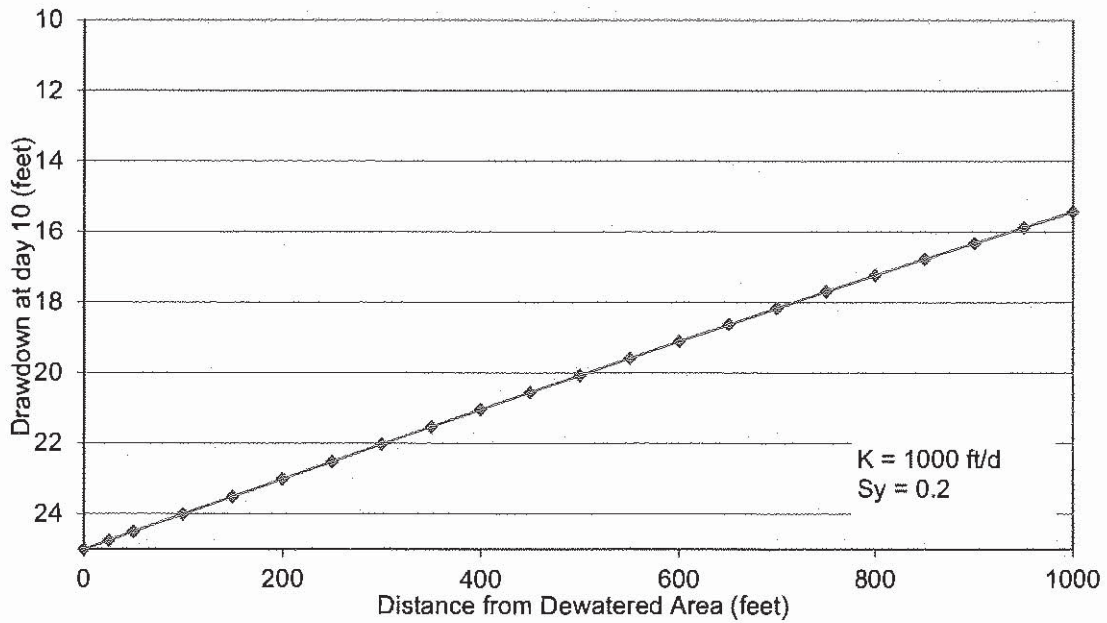
Table 1. BSU Construction Project Timeline

Project Name	Major Milestone	Estimated Start Date	Estimated End Date
Potable Water Main Repair and Replacement	Priority Phase 1	Oct-17	Dec-20
	Priority Phase 2	Jan-21	Dec-24
	Priority Phase 3	Jan-25	Dec-27
Wastewater Sytem Repair and Replacement	Priority Phase 1	Jun-18	Jun-20
	Priority Phase 2	Jan-21	Dec-23
	Priority Phase 3	Jan-24	Dec-26
2MGD BSU WTP Expansion	WTP Construction	Jul-17	Apr-18
	Wellsite Construction	Jul-17	Sep-18
	Raw Water Pipeline	Jul-17	Feb-18
5MGD BSU WTP Expansion	WTP Construction	Jan-21	Dec-22
	Wellsite Construction	Jan-21	Dec-22
	Raw Water Pipeline	Jan-21	Dec-22

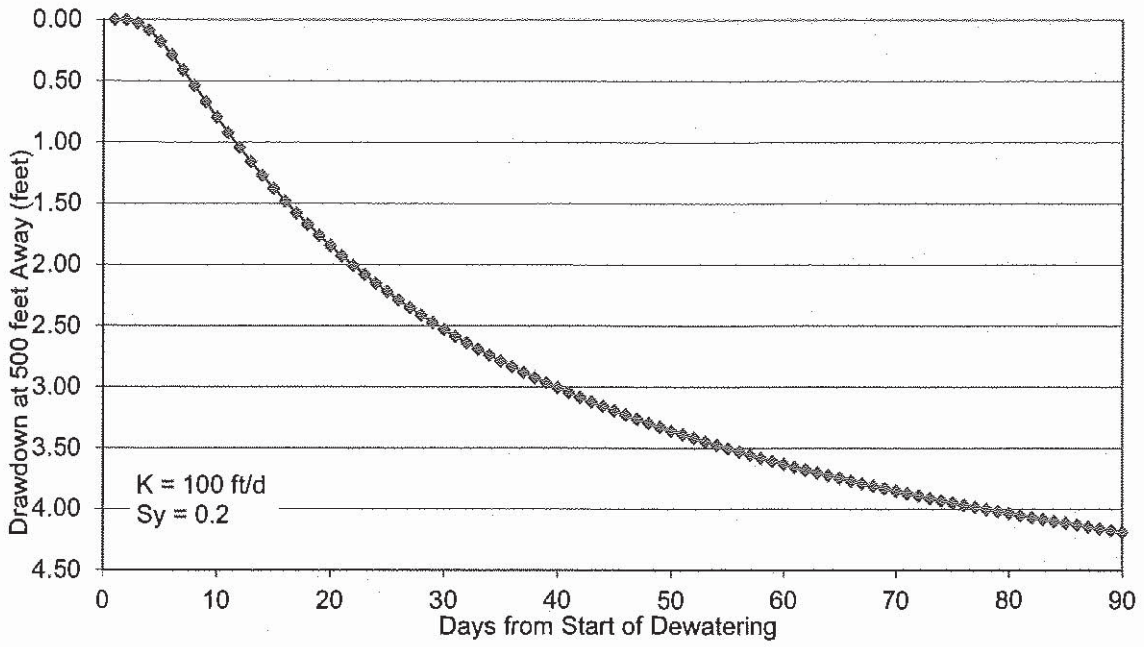
Drawdown at 500 feet from Lift Station Dewatered to 25 Feet



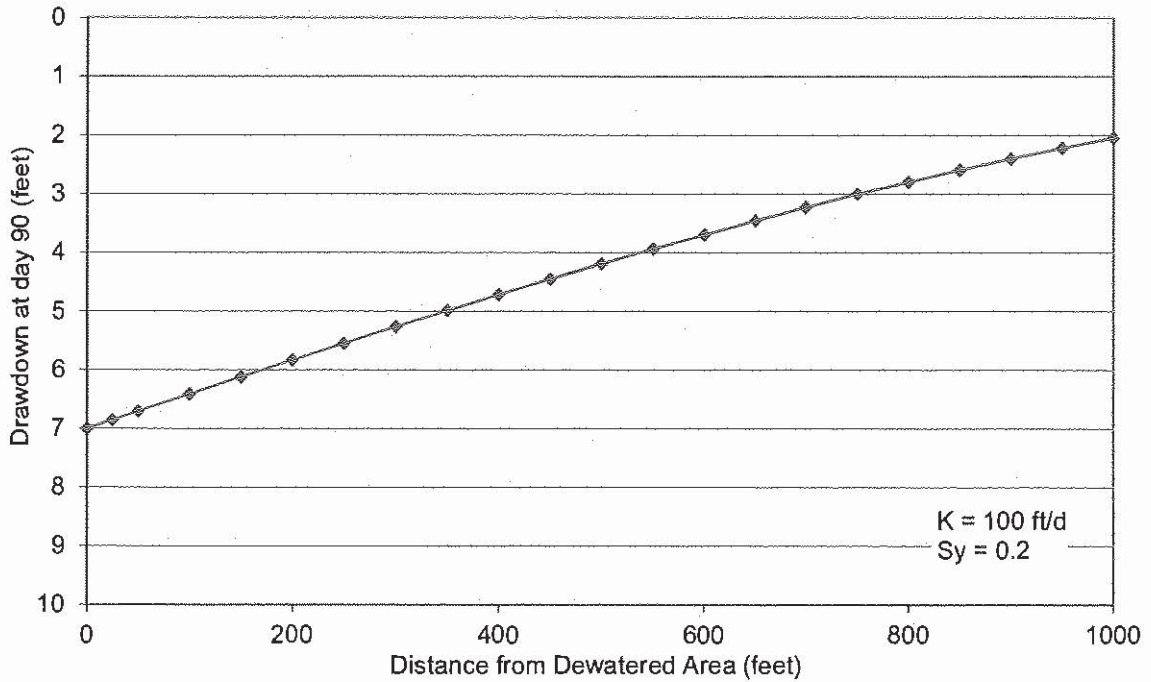
Drawdown with Distance at Day 10 Due to Lift Station Installation Dewatering to 25 Feet



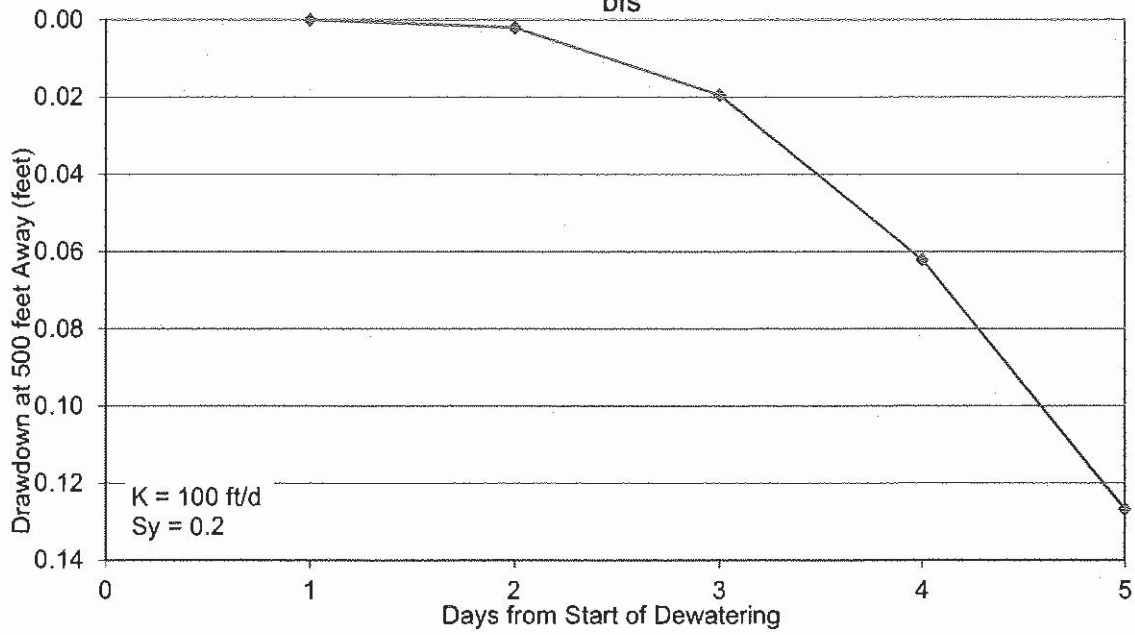
Drawdown at 500 feet from Sand Strainer Dewatered to 7 feet bls



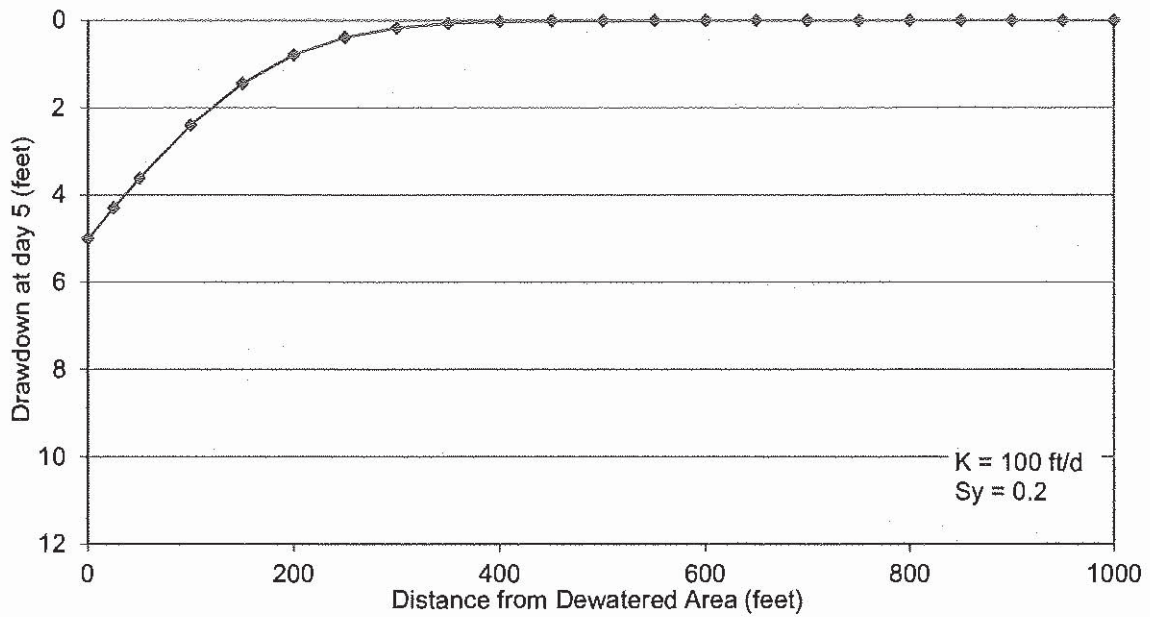
Drawdown with Distance at Day 90 Due to Sand Strainer Installation Dewatering to 7 Feet BLS



Drawdown at 500 feet from Raw Water Pipeline Dewatered to 12 feet bls



Drawdown with Distance at Day 2 Due to Raw Water Pipeline Installation Dewatering to 12 Feet BLS



Bonita Springs Utilities Master Dewatering Turbidity Monitoring Plan

Turbidity expressed in nephelometric turbidity units (NTU).

Background samples shall be taken from any water body to which dewatering effluent will be discharged prior to the start of dewatering.

Samples shall be collected downstream of the dewatering effluent discharge locations while off-site discharge of dewatering effluent is occurring. See dewatering plan set for proposed discharge locations.

Samples shall be taken daily, during times when off-site discharge of dewatering effluent, as authorized by the SFWMD permit, is occurring.

Monitoring shall begin on the first day of dewatering during which off-site discharge occurs. Monitoring shall cease when all dewatering activities are completed or off-site discharge stops. The sampling locations will be identified each day of sampling. The monitoring data must demonstrate that turbidity downstream of all dewatering effluent discharge points is less than or equal to 29 NTUs above natural background turbidity (or meets OFW standards). If turbidity standards are not met, discharge of dewatering effluent will cease, and the dewatering plan and/or turbidity control measures will be revised such that turbidity standards are met.

All monitoring data shall be maintained on site and be available to SFWMD staff during regular business hours. This data shall include:

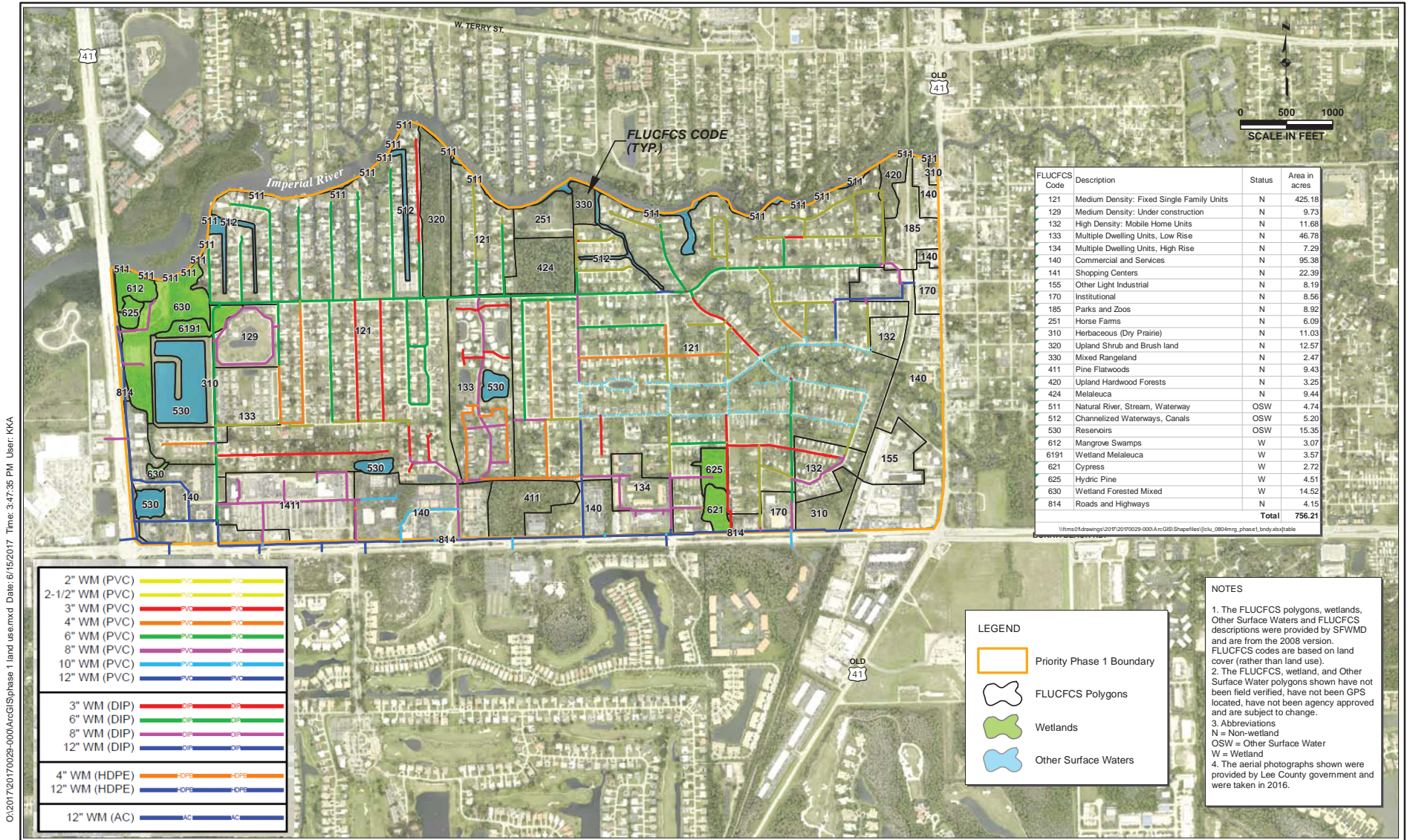
(1) permit and application number; (2) dates of sampling and analysis; (3) a statement describing the methods used in collection, handling, storage and analysis of the samples; (4) a map indicating the sampling locations and (5) a statement by the individual responsible for implementation of the sampling program concerning the authenticity, precision, limits of detection and accuracy of the data.

Monitoring reports shall be submitted to the District upon request. The monitoring reports shall also include the following information for each sample that is taken:

- (a) time of day samples taken;
- (b) depth of water body;
- (c) depth of samples;
- (d) antecedent weather conditions
- (e) wind direction and velocity.
- (f) direction of flow

APPLICATION NUMBER

17 0 6 0 9 - 1 8 ND



FLUCFCS Code	Description	Status	Area in acres
121	Medium Density: Fixed Single Family Units	N	425.18
129	Medium Density: Under construction	N	9.73
132	High Density: Mobile Home Units	N	11.68
133	Multiple Dwelling Units, Low Rise	N	46.78
134	Multiple Dwelling Units, High Rise	N	7.29
140	Commercial and Services	N	95.38
141	Shopping Centers	N	22.39
155	Other Light Industrial	N	8.19
170	Institutional	N	8.56
185	Parks and Zoos	N	8.92
251	Horse Farms	N	6.09
310	Herbaceous (Dry Prairie)	N	11.03
320	Upland Shrub and Brush land	N	12.57
330	Mixed Rangeland	N	2.47
411	Pine Flatwoods	N	9.43
420	Upland Hardwood Forests	N	3.25
424	Melaleuca	N	9.44
511	Natural River, Stream, Waterway	OSW	4.74
512	Channelized Waterways, Canals	OSW	5.20
530	Reservoirs	OSW	15.35
612	Mangrove Swamps	W	3.07
6191	Wetland Melaleuca	W	3.57
621	Cypress	W	2.72
625	Hydric Pine	W	4.51
630	Wetland Forested Mixed	W	14.52
814	Roads and Highways	N	4.15
Total			756.21

2" WM (PVC)	2" PVC	2" PVC
2-1/2" WM (PVC)	2-1/2" PVC	2-1/2" PVC
3" WM (PVC)	3" PVC	3" PVC
4" WM (PVC)	4" PVC	4" PVC
6" WM (PVC)	6" PVC	6" PVC
8" WM (PVC)	8" PVC	8" PVC
10" WM (PVC)	10" PVC	10" PVC
12" WM (PVC)	12" PVC	12" PVC
3" WM (DIP)	3" DIP	3" DIP
6" WM (DIP)	6" DIP	6" DIP
8" WM (DIP)	8" DIP	8" DIP
12" WM (DIP)	12" DIP	12" DIP
4" WM (HDPE)	4" HDPE	4" HDPE
12" WM (HDPE)	12" HDPE	12" HDPE
12" WM (AC)	12" AC	12" AC

LEGEND

- Priority Phase 1 Boundary
- FLUCFCS Polygons
- Wetlands
- Other Surface Waters

NOTES

- The FLUCFCS polygons, wetlands, Other Surface Waters and FLUCFCS descriptions were provided by SFWMD and are from the 2008 version. FLUCFCS codes are based on land cover (rather than land use).
- The FLUCFCS, wetland, and Other Surface Water polygons shown have not been field verified, have not been GPS located, have not been agency approved and are subject to change.
- Abbreviations
N = Non-wetland
OSW = Other Surface Water
W = Wetland
- The aerial photographs shown were provided by Lee County government and were taken in 2016.

C:\2017\20170029-000\ArcGIS\phase 1\land use.mxd Date: 6/15/2017 Time: 3:47:35 PM User: KKA

Bonita Springs Utilities
Lee County, Florida



JOHNSON ENGINEERING, INC.
2122 JOHNSON STREET
P.O. BOX 1550
FORT MYERS, FLORIDA 33902-1550
PHONE (239) 334-0046
FAX (239) 334-3661
E.B. #642 & L.B. #642

Land Cover within Priority Phase 1

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
May 2017	20170029-000	-	As Shown	Figure 3

Requirement by Permit Condition Report

App No: 170609-18

Permit No: 36-08832-W

Project Name: BONITA SPRINGS UTILITIES MASTER DEWATERING

Permit Condition No:	13	Permit Condition Code:	<u>WUDWT002-6</u>		
Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date	
PERMIT	Turbidity for Bonita Springs Utilities (background)	Daily	Data Held On Site	01-OCT-2017	
PERMIT	Turbidity for Bonita Springs Utilities (discharge point)	Daily	Data Held On Site	01-OCT-2017	
Permit Condition No:	19	Permit Condition Code:	<u>WUDWT014-1</u>		
Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date	
PERMIT	Dewatering Commencement Notification for BONITA SPRINGS UTILITIES MASTER DEWATER	One time Only	One time Only	01-OCT-2017	
Permit Condition No:	20	Permit Condition Code:	<u>WUDWT018-1</u>		
Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date	
PERMIT	Site-specific plans for for BONITA SPRINGS UTILITIES	One time Only	One time Only	31-AUG-2017	

STAFF REPORT DISTRIBUTION LIST

BONITA SPRINGS UTILITIES MASTER DEWATERING

Application No: 170609-18

Permit No: 36-08832-W

INTERNAL DISTRIBUTION

- X Maska, Nexhip
- X Brosious, Matt

EXTERNAL DISTRIBUTION


- X Permittee - Bonita Springs Utilities Inc.
- X Agent - Johnson Engineering Inc.
- X Primary Compliance Contact - Kim Hoskins PE

GOVERNMENT AGENCIES

- X Div of Recreation and Park - District 4 FDEP

Exhibit No:13

In permit portal, LDO was extended to 1/26/26

Home Today's Inspections Permit Reports Search  Online Payment Guide Inspection Request Guide

Permit Number: LDO23-103103-BOS

[Permit Details](#) | [Tab Elements](#) | [Main Menu](#)

Type:	DEV - Development Order - Limited Review - Types H and I	Status:	DO/LDO Approved	Project Name:	Lakes of San Souci Gravity Expansion
IVR Number:	203415	Applied Date:	05/26/2023	Issue Date:	07/26/2023
District:	<To Be Determined>	Assigned To:	Baker, Levi	Expire Date:	01/26/2026
Finalized Date:					
Description:	Construction of a gravity sewer system to serve a residential development consisting of 14 manholes, 3,824 LF of 8" PVC gravity sewer main, and 48-6" PVC sewer services.				

[Summary](#) [Locations](#) [Fees](#) [Reviews](#) [Inspections](#) [Attachments](#) [Contacts](#) [Sub-Records](#) [More Info](#)

[Progress](#) | [Workflow](#) | [Available Actions](#)



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT
WATER USE INDIVIDUAL PERMIT**

APPLICATION NO: 170609-18

PERMIT NUMBER: 36-08832-W

DATE ISSUED: July 13, 2017

EXPIRATION DATE: July 13, 2027

PERMITTEE: BONITA SPRINGS UTILITIES INC
11900 EAST TERRY STREET
BONITA SPRINGS, FL 34135

PROJECT NAME: BONITA SPRINGS UTILITIES MASTER DEWATERING

PROJECT LOCATION: Lee County, S35/T46S/R25E, S1-36/T47S/R25E, S1-4/T48S/R25E
S10, 11, 13, 14, 24, 25/T47S/R24E, S1-6/T48S/R26E
S17-20, 29-36/T47S/R26E

PROJECT DESCRIPTION/AUTHORIZING:

Dewatering of the Water Table Aquifer for a master dewatering permit associated with installation of miscellaneous underground utilities (stormwater pipes, lift stations and utility lines such as water transmission mains, force-main, etc.) within the service area of Bonita Springs Utilities in Lee County.

This is to notify you of South Florida Water Management District's (District) agency action concerning Permit Application Number 170609-18, received June 9, 2017. This action is taken pursuant to Chapter 373, Part II, Florida Statutes (F.S.), Rule 40E-1.603 and Chapter 40E-2, Florida Administrative Code (F.A.C.). Based on the information provided, District rules have been adhered to and a Water Use Individual Permit is in effect for this project subject to:

1. Not receiving a filed request for an administrative hearing pursuant to Section 120.57, F.S. and Section 120.569, F.S., or a request for a judicial review pursuant to Section 120.68, F.S.
2. The attached 33 permit conditions.
3. The attached 13 exhibits.

By acceptance and utilization of the water authorized under this permit, the Permittee agrees to hold and save the District and its successors harmless from any and all damages, claims or liabilities that may arise by reason of the construction, maintenance or use of activities authorized by this permit. Should you object to the permit, please refer to the attached "Notice of Rights" that addresses the procedures to be followed if you desire a public hearing or other review of the proposed agency action. Should you wish to object to the proposed agency action or file a petition or request, please provide written objections, petitions, requests and/or waivers to: Office of the District Clerk, South Florida Water Management District, 3301 Gun Club Road, West Palm Beach, FL 33406, or by email to clerk@sfwmd.gov.

CERTIFICATION OF SERVICE

I HEREBY CERTIFY THAT this written notice has been mailed or electronically transmitted to the Permittee (and the persons listed in the attached distribution list) this 14th day of July, 2017, in accordance with Section 120.60(3), F.S. Notice was also electronically posted on this date through a link on the home page of the District's website (my.sfwmd.gov/ePermitting).

BY:

JUANITA BOZEMAN

DEPUTY CLERK, SOUTH FLORIDA WATER MANAGEMENT DISTRICT

SPECIAL PERMIT CONDITIONS

1. This permit is issued to:
BONITA SPRINGS UTILITIES INC
11900 EAST TERRY STREET
BONITA SPRINGS, FL 34135
2. This permit shall expire on July 13, 2027.
3. Use classification is:

Dewatering
4. Source classification is:

Surface Water from:
Water Table Aquifer
5. Pursuant to Subsection 2.3.2.B.2 of the Applicant's Handbook for Water Use Permit Applications within the South Florida Water Management District, neither maximum monthly nor annual allocation volumes are specified.
6. Withdrawal facilities:

Surface Water - Proposed:

1 - 6" x 62 HP X 800 GPM Hydraulic Pump
1 - 8" x 60 HP X 1000 GPM Vacuum Pump
2 - 12" x 55 HP X 2500 GPM Hydraulic Pumps
1 - 6" x 40 HP X 800 GPM Vacuum Pump
3 - 6" x 62 HP X 1600 GPM Centrifugal Pumps
7. The Permittee shall submit all data as required by the implementation schedule for each of the permit conditions to: SFWMD at www.sfwmd.gov/ePermitting, or Regulatory Support, 3301 Gun Club Road, West Palm Beach, FL 33406.
8. The Permittee must submit the appropriate application form incorporated by reference in Rule 40E-2.101, F.A.C., to the District prior to the permit expiration date in order to continue the use of water.
9. The excavation shall be constructed using sound engineering practices. If the excavation or dewatering activities endanger the properties of adjacent owners (through erosion, side wall collapse, flooding, etc.), the Permittee shall cease operations until a method to prevent such occurrences is found and instituted. The Permittee shall be responsible for finding and instituting methods to stop such occurrences.

10. The Permittee shall immediately cease dewatering when continued dewatering would create a condition hazardous to the health, safety, and general welfare of the people of the District.
11. The Permittee shall be responsible for clearing shoaling, if the Permittee's dewatering operation creates shoaling in adjacent water bodies.
12. The Permittee shall conduct dewatering activities in adherence to the following operating plan:
The Permittee will implement this dewatering Project in three phases, commencing with Phase 1 for utility improvements. Dewatering will be necessary during various utility installation throughout the Project. The Project areas requiring dewatering currently planned include a multi year, multi-phase utility improvement project involving the replacement of potable water mains, gravity sewers, and sewage lift stations in several areas within the BSU service area. Pumps and/or wellpoints will be used for the dewatering of active parts of the excavation cells to the desired depth. In most cases, the dewatering effluent will be retained on-site into adjacent swales and hydraulic recharge trenches, settling basins or sediment tanks. Sheet pilings, trench boxes and other methods will be used during lift station installation to minimize the area of excavation and restrict the flow of water into the excavation area. Dewatering effluent will be retained on-site to the greatest extent feasible in temporary settling basins. However, given the spatial constraints of working within narrow easements and rights-of-ways in residential neighborhoods, not all dewatering effluent can be contained on the Project site, and off-site discharge may be necessary.
13. If off-site discharge is approved, turbidity measurements shall be made daily at the point of off-site discharge and a background location (upstream) in the receiving water body. If turbidity levels in the dewatering water exceed 29 NTU above background conditions in the receiving water body, the Permittee is required to correct the situation and cease dewatering operations until monitoring demonstrates turbidity standards are met. All turbidity data shall be retained on-site for inspection by District Staff.
14. Within 30 days of completion of the dewatering operation, all dewatering facilities (such as impoundments, conveyances, and recharge trenches) shall be filled and regraded to ground elevation or to otherwise comply with the Environmental Resource Permit.
15. Off-site discharge may be made via the facilities and conditions that follow:

City's stormwater management system, Oak Creek, Leitner Creek or the Imperial River.
16. A copy of the permit, its conditions, and dewatering plan is required to be kept on site at all times during dewatering operations by the lead contractor or site manager.
17. The Permittee shall not lower the water table below the following depths:
- 22 feet NAVD, or approximately 25 feet bls.

18. The Permittee shall construct the proposed recharge trenches prior to dewatering and maintain water levels during active dewatering operations within one foot below land surface. Obstructions and sediments within the recharge trenches shall be removed to maintain the effectiveness of the recharge trenches.
19. At least 72 hours prior to initial dewatering, the Permittee shall contact the District to allow for a site visit to verify:
 - a. The location and design of the recharge trenches and on-site retention areas where dewatering water will be retained;
 - b. The location of monitoring facilities; and,
 - c. Other site-specific issues related to the protection of the resource or other existing legal users.

Failure of the Permittee, or the Permittee's representative, to notify the District before dewatering commences will result in enforcement action. If necessary, the District shall conduct a site visit.

Notification of commencement of dewatering can be made by contacting:
wucompliance@sfwmd.gov

Alternatively, please contact Scott Korf, Water Use Compliance Analyst at (239)338-2929 Extension 7738 or via email at skorf@sfwmd.gov

20. At least two weeks prior to commencing dewatering, the Permittee shall provide site specific dewatering plans for each proposed dewatering activity to the District for review and approval. Permittee shall not initiate dewatering prior to receiving written notification from District staff, that the proposed dewatering activity is consistent with the approved master permit.
21. The issuance of this permit does not serve as approval for any dewatering activities or associated Environmental Resource Permits. Site-specific plans as described in the Staff Report and an Environmental Resource Permit Application must be submitted and approved concurrently prior to the initiation of any dewatering activities.
22. If required after review of site-specific plans, the Permittee shall record daily withdrawals for each dewatering pump. This recorded information shall be maintained on-site and provided to District staff upon request.

STANDARD PERMIT CONDITIONS

1. All water uses authorized by this permit shall be implemented as conditioned by this permit, including any documents incorporated by reference in a permit condition. The District may revoke this permit, in whole or in part, or take enforcement action, pursuant to Section 373.136 or 373.243, F.S., unless a permit modification has been obtained to address the noncompliance.

The Permittee shall immediately notify the District in writing of any previously submitted material information that is later discovered to be inaccurate.

2. The Permittee is advised that this permit does not relieve any person from the requirement to obtain all necessary federal, state, local and special district authorizations.
3. The Permittee shall notify the District in writing within 30 days of any sale, transfer, or conveyance of ownership or any other loss of permitted legal control of the Project and/or related facilities from which the permitted consumptive use is made. Where Permittee's control of the land subject to the permit was demonstrated through a lease, the Permittee must either submit a new or modified lease showing that it continues to have legal control or documentation showing a transfer in control of the permitted system/project to the new landowner or new lessee. All transfers of ownership are subject to the requirements of Rule 40E-1.6107, F.A.C. Alternatively, the Permittee may surrender the consumptive use permit to the District, thereby relinquishing the right to conduct any activities under the permit.
4. Nothing in this permit should be construed to limit the authority of the District to declare a water shortage and issue orders pursuant to Chapter 373, F.S. In the event of a declared water shortage, the Permittee must adhere to the water shortage restrictions, as specified by the District. The Permittee is advised that during a water shortage, reports shall be submitted as required by District rule or order. The Permittee is advised that during a water shortage, pumpage, water levels, and water quality data shall be collected and submitted as required by District orders issued pursuant to Chapter 40E-21, F.A.C.
5. This permit does not convey to the Permittee any property rights or privileges other than those specified herein, nor relieve the permittee from complying with any applicable local government, state, or federal law, rule, or ordinance.
6. With advance notice to the Permittee, District staff with proper identification shall have permission to enter, inspect, observe, collect samples, and take measurements of permitted facilities to determine compliance with the permit conditions and permitted plans and specifications. The Permittee shall either accompany District staff onto the property or make provision for access onto the property.
7. A. The Permittee may seek modification of any term of an unexpired permit. The Permittee is advised that Section 373.239, F.S., and Rule 40E-2.331, F.A.C., are applicable to permit modifications.

B. The Permittee shall notify the District in writing 30 days prior to any changes to the project that

could potentially alter the reasonable demand reflected in the permitted allocation. Such changes include, but are not limited to, change in irrigated acreage, crop type, irrigation system, large users agreements, or water treatment method. Permittee will be required to apply for a modification of the permit for any changes in permitted allocation.

8. If any condition of the permit is violated, the permit shall be subject to review and modification, enforcement action, or revocation pursuant to Chapter 373, F.S.
9. The Permittee shall mitigate interference with existing legal uses that was caused in whole or in part by the Permittee's withdrawals, consistent with the approved mitigation plan. As necessary to offset the interference, mitigation will include pumpage reduction, replacement of the impacted individual's equipment, relocation of wells, change in withdrawal source, or other means.

Interference to an existing legal use is defined as an impact that occurs under hydrologic conditions equal to or less severe than a 1-in-10 year drought event that results in the:

A. Inability to withdraw water consistent with provisions of the permit, such as when remedial structural or operational actions not materially authorized by existing permits must be taken to address the interference; or

B. Change in the quality of water pursuant to primary State Drinking Water Standards to the extent that the water can no longer be used for its authorized purpose, or such change is imminent.

10. The Permittee shall mitigate harm to the natural resources caused by the Permittee's withdrawals, as determined through reference to the conditions for permit issuance. When harm occurs, or is imminent, the District will require the Permittee to modify withdrawal rates or mitigate the harm. Harm, as determined through reference to the conditions for permit issuance includes:

A. Reduction in ground or surface water levels that results in harmful lateral movement of the fresh water/salt water interface,

B. Reduction in water levels that harm the hydroperiod of wetlands,

C. Significant reduction in water levels or hydroperiod in a naturally occurring water body such as a lake or pond,

D. Harmful movement of contaminants in violation of state water quality standards, or

E. Harm to the natural system including damage to habitat for rare or endangered species.

11. The Permittee shall mitigate harm to existing off-site land uses caused by the Permittee's withdrawals, as determined through reference to the conditions for permit issuance. When harm occurs, or is imminent, the District will require the Permittee to modify withdrawal rates or mitigate the harm. Harm as determined through reference to the conditions for permit issuance, includes:

A. Significant reduction in water levels on the property to the extent that the designed function of the water body and related surface water management improvements are damaged, not including aesthetic values. The designed function of a water body is identified in the original permit or other governmental authorization issued for the construction of the water body. In cases where a permit was not required, the designed function shall be determined based on the purpose for the original construction of the water body (e.g. fill for construction, mining, drainage canal, etc.)

B. Damage to agriculture, including damage resulting from reduction in soil moisture resulting from consumptive use; or,

C. Land collapse or subsidence caused by reduction in water levels associated with consumptive use.

NOTICE OF RIGHTS

As required by Sections 120.569 and 120.60(3), Fla. Stat., the following is notice of the opportunities which may be available for administrative hearing or judicial review when the substantial interests of a party are determined by an agency. Please note that this Notice of Rights is not intended to provide legal advice. Not all of the legal proceedings detailed below may be an applicable or appropriate remedy. You may wish to consult an attorney regarding your legal rights.

RIGHT TO REQUEST ADMINISTRATIVE HEARING

A person whose substantial interests are or may be affected by the South Florida Water Management District's (SFWMD or District) action has the right to request an administrative hearing on that action pursuant to Sections 120.569 and 120.57, Fla. Stat. Persons seeking a hearing on a SFWMD decision which affects or may affect their substantial interests shall file a petition for hearing with the Office of the District Clerk of the SFWMD, in accordance with the filing instructions set forth herein, within 21 days of receipt of written notice of the decision, unless one of the following shorter time periods apply: (1) within 14 days of the notice of consolidated intent to grant or deny concurrently reviewed applications for environmental resource permits and use of sovereign submerged lands pursuant to Section 373.427, Fla. Stat.; or (2) within 14 days of service of an Administrative Order pursuant to Section 373.119(1), Fla. Stat. "Receipt of written notice of agency decision" means receipt of written notice through mail, electronic mail, or posting that the SFWMD has or intends to take final agency action, or publication of notice that the SFWMD has or intends to take final agency action. Any person who receives written notice of a SFWMD decision and fails to file a written request for hearing within the timeframe described above waives the right to request a hearing on that decision.

If the District takes final agency action which materially differs from the noticed intended agency decision, persons who may be substantially affected shall, unless otherwise provided by law, have an additional Rule 28-106.111, Fla. Admin. Code, point of entry.

Any person to whom an emergency order is directed pursuant to Section 373.119(2), Fla. Stat., shall comply therewith immediately, but on petition to the board shall be afforded a hearing as soon as possible.

A person may file a request for an extension of time for filing a petition. The SFWMD may, for good cause, grant the request. Requests for extension of time must be filed with the SFWMD prior to the deadline for filing a petition for hearing. Such requests for extension shall contain a certificate that the moving party has consulted with all other parties concerning the extension and that the SFWMD and any other parties agree to or oppose the extension. A timely request for an extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

FILING INSTRUCTIONS

A petition for administrative hearing must be filed with the Office of the District Clerk of the SFWMD. Filings with the Office of the District Clerk may be made by mail, hand-delivery, or e-mail. Filings by facsimile will not be accepted. A petition for administrative hearing or other document is deemed filed upon receipt during normal business hours by the Office of the District Clerk at SFWMD headquarters in West Palm Beach, Florida. The District's normal business hours are 8:00 a.m. – 5:00 p.m., excluding weekends and District holidays. Any document received by the Office of the District Clerk after 5:00 p.m. shall be deemed filed as of 8:00 a.m. on the next regular business day. Additional filing instructions are as follows:

- Filings by mail must be addressed to the Office of the District Clerk, 3301 Gun Club Road, West Palm Beach, Florida 33406.

- Filings by hand-delivery must be delivered to the Office of the District Clerk. Delivery of a petition to the SFWMD's security desk does not constitute filing. It will be necessary to request that the SFWMD's security officer contact the Office of the District Clerk. An employee of the SFWMD's Clerk's office will receive and file the petition.
- Filings by e-mail must be transmitted to the Office of the District Clerk at clerk@sfwmd.gov. The filing date for a document transmitted by electronic mail shall be the date the Office of the District Clerk receives the complete document. A party who files a document by e-mail shall (1) represent that the original physically signed document will be retained by that party for the duration of the proceeding and of any subsequent appeal or subsequent proceeding in that cause and that the party shall produce it upon the request of other parties; and (2) be responsible for any delay, disruption, or interruption of the electronic signals and accepts the full risk that the document may not be properly filed.

INITIATION OF AN ADMINISTRATIVE HEARING

Pursuant to Sections 120.54(5)(b)4. and 120.569(2)(c), Fla. Stat., and Rules 28-106.201 and 28-106.301, Fla. Admin. Code, initiation of an administrative hearing shall be made by written petition to the SFWMD in legible form and on 8 1/2 by 11 inch white paper. All petitions shall contain:

1. Identification of the action being contested, including the permit number, application number, SFWMD file number or any other SFWMD identification number, if known.
2. The name, address, any email address, any facsimile number, and telephone number of the petitioner and petitioner's representative, if any.
3. An explanation of how the petitioner's substantial interests will be affected by the agency determination.
4. A statement of when and how the petitioner received notice of the SFWMD's decision.
5. A statement of all disputed issues of material fact. If there are none, the petition must so indicate.
6. A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the SFWMD's proposed action.
7. A statement of the specific rules or statutes the petitioner contends require reversal or modification of the SFWMD's proposed action.
8. If disputed issues of material fact exist, the statement must also include an explanation of how the alleged facts relate to the specific rules or statutes.
9. A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the SFWMD to take with respect to the SFWMD's proposed action.

MEDIATION

The procedures for pursuing mediation are set forth in Section 120.573, Fla. Stat., and Rules 28-106.111 and 28-106.401–405, Fla. Admin. Code. The SFWMD is not proposing mediation for this agency action under Section 120.573, Fla. Stat., at this time.

RIGHT TO SEEK JUDICIAL REVIEW

Pursuant to Section 120.68, Fla. Stat., and in accordance with Florida Rule of Appellate Procedure 9.110, a party who is adversely affected by final SFWMD action may seek judicial review of the SFWMD's final decision by filing a notice of appeal with the Office of the District Clerk of the SFWMD in accordance with the filing instructions set forth herein within 30 days of rendition of the order to be reviewed, and by filing a copy of the notice with the clerk of the appropriate district court of appeal.

Last Date for Agency Action:
September 7, 2017

WATER USE STAFF REPORT

Application Number: 170609-18
Permit Number: 36-08832-W
Project Name: BONITA SPRINGS UTILITIES MASTER DEWATERING
Water Use Permit Status: PROPOSED
Location: LEE COUNTY, S35/T46S/R25E
S10, 11, 13, 14, 24, 25/T47S/R24E
S1-36/T47S/R25E
S17-20, 29-36/T47S/R26E
S1-4/T48S/R25E
S1-6/T48S/R26E

Applicant's Name and Address: BONITA SPRINGS UTILITIES INC
11900 EAST TERRY STREET
BONITA SPRINGS, FL 34135

Water Use Classification: Dewatering

Sources:

Surface Water from: Water Table Aquifer

Proposed Withdrawal Facilities - Surface Water

- Source: Water Table aquifer
- 1 - 8" X 60 HP X 1000 GPM Vacuum Pump
- 1 - 6" X 62 HP X 800 GPM Hydraulic Pump
- 2 - 12" X 55 HP X 2500 GPM Hydraulic Pumps
- 3 - 6" X 62 HP X 1600 GPM Centrifugal Pumps
- 1 - 6" X 40 HP X 800 GPM Vacuum Pump

<u>Rated Capacity Source</u>	<u>Status Code</u>	<u>GPM</u>	<u>MGM</u>	<u>MGY</u>
Water Table aquifer	P	12,400	542.8	6,517
Totals:		12,400	542.8	6,517

PURPOSE

The purpose of this application is to obtain a master dewatering water use permit associated with the installation of miscellaneous underground utilities (lift stations and utility lines such as water transmission mains, force-main, etc.) in the Bonita Springs Utilities service area in Lee County. Withdrawals are from the water table aquifer (WTA) via eight proposed withdrawal facilities.

PROJECT DESCRIPTION

Bonita Springs Utilities (Project) is a master dewatering project that consists of the installation of miscellaneous underground utilities (lift stations and utility lines such as water transmission mains, force-main, etc.) and water treatment plant expansion in the Bonita Springs Utilities (BSU) service area in Lee County. The Project is located in the southwestern portion of Lee County and is bounded by Williams Road in the north, Alhambra Lane in the south, Pioneer Road in the east and Estero Boulevard in the west, as shown on Exhibits 1 through 3. The key installations that will require dewatering activities include: stormwater pipes, lift stations, and utility lines such as water transmission mains, force-main, etc. Withdrawals are from the WTA via a combination of dewatering systems that will involve eight pumps. Dewatering will include well point systems, sump type activities, and sheet piling/cofferdam depending on the element(s) to be installed, dewatering location, and dewatering depth. Pump details are shown on Exhibit 4. The Project is a multi-year and multi-phase Project that will involve several contractors. All the dewatering activities will take place on City-owned property.

The Permittee intends to implement the Project's dewatering in multiple phases, commencing with Phase 1 for water main replacement. This phase will take place along multiple residential streets within the area bordered by the Imperial River to the north, Bonita Beach Boulevard to the south, U.S. Highway 41 to the west, and Old 41 Road to the east as shown on Exhibit 5. A typical settling basin cross-section (typical) is given on Exhibit 6. Exhibit 7 provides estimated dewatering rates for each phase of the Project. The Applicant is requesting a duration of 10 years for this master dewatering. The estimated timelines for the Project are shown on Exhibit 8. No contractors are selected at this time.

The maximum proposed depth of dewatering is approximately 25 feet below land surface (bls) or approximately -22 feet North American Vertical Datum (NAVD) for land surface elevation of 3.0 feet NAVD. Horizontal directional drilling will be utilized for some portions of the potable water main replacement and raw water line installation, which will not require dewatering. Most of the dewatering operations will have a short duration and should pose minimal impacts to the surrounding areas. Sheet pilings, trench boxes and other methods will be used during lift station installations to minimize the area of excavation and restrict the flow of water into the excavation area. Exhibit 9 provides estimated distance drawdown calculation results based on the current estimated dewatering rates for each phase of the Project.

In most cases, the dewatering effluent will be retained on-site in adjacent swales and hydraulic recharge trenches, settling basins, or sediment tanks and allowed to seep back into the WTA. However, given the spatial constraints of working within narrow easements and rights-of-ways in residential neighborhoods, not all dewatering effluent can be contained on the Project site, and off-site discharge may be necessary. Baker tanks or similar containers will be used to store dewatering effluent to reduce turbidity when settling basins are not feasible. Dewatering effluent discharge points for future phases will be provided as construction of these phases approach. Turbidity control measures (including monitoring sites) will be emplaced around discharge locations.

PROJECT DESCRIPTION (CONTINUED)

Should off-site discharge of dewatering effluent become necessary, the Permittee will implement a turbidity monitoring program to monitor turbidity levels before the water exits the Project area. A typical monitoring plan is appended on Exhibit 10.

The information contained in this master dewatering permit includes conservative assumptions on dewatering activities anticipated for the construction at the Project. Approximate calculations for the dewatering volumes, pumping rates, and radius of influence for anticipated dewatering for selected elements are presented on Exhibits 7 and 9, respectively. Any contractor that will be selected to work on the Project will be required to submit site-specific dewatering plans based on their specific construction activities (Special Permit Condition 20). These site-specific dewatering plans will include additional information regarding means and methods for performing the proposed dewatering activities along with site-specific requirements to assure that dewatering will cause no adverse impact to the source, existing legal users and environmental features. Pursuant to Special Permit Condition 20, at least two weeks prior to beginning any dewatering activities, the Permittee shall submit site-specific plans to the District. Dewatering may not commence until the District approves the proposed activity in writing. The plans and support information shall include the required documentation described in Subsection 2.3.2.B.2 of the Applicant's Handbook (AH) for Water Use Permit Applications within the South Florida Water Management District (District).

PROJECTED WATER USE DEMANDS

Pursuant to Subsection 2.3.2.B of the AH, neither maximum month nor annual allocation volumes are specified for master dewatering water use permits. Preliminary pumping calculations and the Project's timelines are given on Exhibits 7 and 8, respectively. However, the Permittee will provide updated dewatering quantities for each phase covered under this master dewatering permit at the time when the site-specific dewatering plans are submitted. Pursuant to Special Permit Condition 22, if required after review of site-specific plans, the Permittee shall record monthly withdrawals and recorded information shall be kept on-site for review by District staff.

IMPACT EVALUATION

In order to provide reasonable assurances that the conditions for permit issuance are met, the Applicant provided an analytical solution using drawdown in an unconfined aquifer due to changes in stage as described in Dynamics of Fluids in Porous Media (Bear, 1972). The analytical solution data and implementation are consistent with the criteria for analytical impact assessments set forth in Subsection 3.1.2.A of the AH. The drawdown analysis (typical) are provided for the Project's impact only for a variety of installation elements during dewatering, including drawdown caused as a result of the construction (or repair) of the lift stations which have a maximum dewatering depth of 25 feet bls (approximately -22 feet NAVD). The Applicant shall provide cumulative runs (if applicable) that include all existing legal users within the 0.1 foot isocontour line for each site-specific plan in association with this master permit for dewatering.

WATER RESOURCE IMPACT EVALUATION

Water Resource Availability

Water Table aquifer

The land surface elevation at the Project ranges between 3.0 feet NAVD and 10 feet NAVD with an average elevation in the majority of the Project areas of approximately 9.0 feet NAVD. Based on information in District Technical Publication 82-1, the WTA varies in thickness, lithology, and hydraulic conductivity throughout the Project and is underlain by confining material of the Upper Hawthorn Confining layer. The average depth of the base of the WTA within the Project area is approximately -36 feet NAVD. Based on the extensive boring logs performed within the Project area [Geotechnical Report, December 2016 (Ardaman & Associates)] the lowest water elevation in the WTA (November 2016) is approximately 1.0 foot NGVD. The maximum proposed depth of dewatering is approximately -22 feet NAVD. Therefore, there is approximately 14 feet of drawdown available in the WTA. Additionally, the majority of the dewatering effluent will be retained on-site and will be recharged back into the WTA. The site-specific areas within the Project will require intermittent dewatering for short periods of time. The Permittee shall provide, pursuant to Special Permit Condition 20, site-specific plans for each site addressing any resource concerns that are associated with the proposed dewatering, including assurances that the water resource availability of the WTA will not be harmed, which is typically provided with on-site retention of the dewatering effluent. Therefore, the potential for harm to occur to the water resource availability of the WTA as a result of the proposed dewatering operations is considered minimal.

Existing Legal Users

Water Table aquifer

There may be several existing legal users of the WTA in the overall Project area. Existing legal users of the WTA will be identified by the Permittee when they submit site-specific plans for each dewatering project. Since most of the dewatering effluent will be returned to the WTA, the net drawdown in the WTA is expected to be negligible and therefore no existing legal users will be located within the radius of influence caused as a result of the dewatering activities. However, the Applicant has provided the worst-case scenario results for the dewatering operations (installation or repair of lift station) as shown on Exhibit 9. The Applicant states that in such cases sheet-piling and cofferdam boxes will be utilized to truncate the lateral and vertical drawdown. Additionally, existing legal users, including existing domestic users, will be identified and reviewed prior to approval of site-specific plans submitted in accordance with Special Permit Condition 20. Therefore, the potential for harm to occur to existing legal users as a result of the proposed dewatering operations is considered minimal.

Existing Off Site Land Uses

Water Table aquifer

Land uses that are dependent upon water being on or near land surface and that existed prior to this application are protected from harm. The Permittee's property is surrounded by residential areas which withdraw water for irrigation from the WTA. The

WATER RESOURCE IMPACT EVALUATION (CONTINUED)

Project's dewatering effluent will be mostly retained on-site and will be recharged back into the WTA. As a result, the drawdown beyond the Project's boundary is expected to be negligible. The Permittee will evaluate potential impacts to existing off-site land uses when they submit site-specific plans for each dewatering project. Therefore, pursuant to Subsection 3.6.2 of the AH, the use is not expected to result in significant reduction in water levels on the property of an existing offsite land use to the extent that: the designed function of a water body and related surface water management improvements are damaged (not including aesthetic values); or result in damage to agriculture, including damage resulting from reduction in soil moisture resulting from water use, or land collapse or subsidence caused by reduction in water levels associated with water use.

Migration of Saline Water

Water Table aquifer

The WTA and canal system in the area near Phase 1 of the Project discharge into the Imperial River which is a tidally influenced tributary of Estero Bay, a brackish water body. However, saline barrier weirs are located in most freshwater canals to maintain a minimum water level elevation of 1.0 feet NAVD of freshwater head on the landward (upgradient) side of the weirs. The City has a canal operating plan which maintains a freshwater head and prevents saline water intrusion. The installation of gravity sewer lines, transmission mains and particularly, lift stations, will require dewatering depths well below sea level, and in some instances, the maximum depth will be -22 feet NAVD. However, as part of the site-specific dewatering plans to be completed by the Permittee prior to commencement of dewatering activities (Special Permit Condition 20), the Permittee will address potential saline water intrusion and upconing of saline water. Therefore, the potential for saline water intrusion or upconing to occur as a result of the proposed dewatering operations is considered minimal.

Wetland Environments

Water Table aquifer

The Project contains a mix of freshwater and brackish wetland habitats. Wetland habitats consist of cypress, wetland forested mixed, hydric pine, and mangrove. In addition, the Imperial River forms the northern boundary of Phase I of the Project and the south branch of the river is within the Project boundary. The Imperial River is an Outstanding Florida Water (OFW). The Permittee will use hydraulic recharge trenches between any surface waters and active dewatering locations to minimize impacts to wetlands and surface waters. The Project will also use Best Management Practices, such as recharge trenching, particulate settling basins, silt fencing and other appropriate turbidity control measures to prevent adverse impacts to adjacent properties and surface waters. A turbidity monitoring plan is provided on Exhibit 10. A wetland map overlay on the dewatering sites for Phase 1 is shown on Exhibit 11. Additionally, for each dewatering site within this dewatering master plan, individual site-specific plans will be submitted prior to commencement of the dewatering operations as stipulated in Special Permit Condition 20. Based upon this information,

WATER RESOURCE IMPACT EVALUATION (CONTINUED)

the potential for harm to occur to the wetlands as a result of the proposed dewatering operations is considered minimal.

Sources of Pollution

Water Table aquifer

There are several potential pollution sources near the Project such as gas stations, dry cleaners, auto repair shops, and boat manufacturers. However, as part of the site-specific dewatering plans to be completed by the Permittee prior to commencement of each section of the dewatering (Special Permit Condition 20), the Permittee will address all potential pollution issues for each site-specific location. Therefore, the potential for movement of contaminants, if present, from known pollution sources as a result of the proposed dewatering operations is considered minimal.

ADDITIONAL INFORMATION

Project Site Issues

Legal Control and Land Use

Records from the Lee County Property Appraiser demonstrate that the Permittee maintains legal control over the Project site. All withdrawal facilities will be located within the Project boundary. The dewatering activities are compatible with the zoning and land use designation for the site meeting the requirements of Subsection 2.1 of the AH.

Permit Duration

The proposed dewatering is anticipated to require approximately 10 years to complete all phases of the Project. Therefore, in accordance with Subsection 1.5.2.A.2 of the AH, staff recommends a water use permit duration of 10 years.

ENVIRONMENTAL RESOURCE PERMIT STATUS:

PERMITTED (No. 86-00026-S)

PERMITTED (No. 36-04007-P)

RIGHT OF WAY PERMIT STATUS:

Not Applicable

RECOMMENDATIONS

Project Name: BONITA SPRINGS UTILITIES MASTER DEWATERING
Application Number: 170609-18
Permit Number: 36-08832-W

RECOMMENDATION

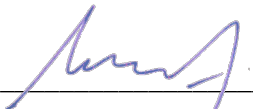
Authorizing: Dewatering of the water table aquifer for a master dewatering permit associated with installation of miscellaneous underground utilities (stormwater pipes, lift stations and utility lines such as water transmission mains, force-main, etc.) within the service area of Bonita Springs Utilities in Lee County.

STAFF EVALUATION

REVIEWER:



Matt Brosious, NRM

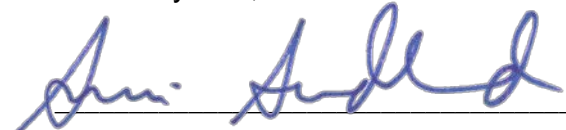


Nexhip Maska, P.G., WU

SUPERVISOR:



Laura Layman, NRM



Simon Sunderland, P.G., WU

QUALITY ASSURANCE REVIEW:



Stephanie Lancaster, P.G.

Date: 6/29/2017

WATER USE BUREAU CHIEF:



Maria C. Clemente, P.E.

Date: 6/30/17

SPECIAL PERMIT CONDITIONS

1. This permit is issued to:
BONITA SPRINGS UTILITIES INC
11900 EAST TERRY STREET
BONITA SPRINGS, FL 34135

2. This permit shall expire on July 13, 2027.

3. Use classification is:

Dewatering

4. Source classification is:

Surface Water from:
Water Table Aquifer

5. Pursuant to Subsection 2.3.2.B.2 of the Applicant's Handbook for Water Use Permit Applications within the South Florida Water Management District, neither maximum monthly nor annual allocation volumes are specified.

6. Withdrawal facilities:

Surface Water - Proposed:

1 - 6" x 62 HP X 800 GPM Hydraulic Pump
1 - 8" x 60 HP X 1000 GPM Vacuum Pump
2 - 12" x 55 HP X 2500 GPM Hydraulic Pumps
1 - 6" x 40 HP X 800 GPM Vacuum Pump
3 - 6" x 62 HP X 1600 GPM Centrifugal Pumps

7. The Permittee shall submit all data as required by the implementation schedule for each of the permit conditions to: SFWMD at www.sfwmd.gov/ePermitting, or Regulatory Support, 3301 Gun Club Road, West Palm Beach, FL 33406.

8. The Permittee must submit the appropriate application form incorporated by reference in Rule 40E-2.101, F.A.C., to the District prior to the permit expiration date in order to continue the use of water.

9. The excavation shall be constructed using sound engineering practices. If the excavation or dewatering activities endanger the properties of adjacent owners (through erosion, side wall collapse, flooding, etc.), the Permittee shall cease operations until a method to prevent such occurrences is found and instituted. The

SPECIAL PERMIT CONDITIONS

Permittee shall be responsible for finding and instituting methods to stop such occurrences.

10. The Permittee shall immediately cease dewatering when continued dewatering would create a condition hazardous to the health, safety, and general welfare of the people of the District.
11. The Permittee shall be responsible for clearing shoaling, if the Permittee's dewatering operation creates shoaling in adjacent water bodies.
12. The Permittee shall conduct dewatering activities in adherence to the following operating plan:
The Permittee will implement this dewatering Project in three phases, commencing with Phase 1 for utility improvements. Dewatering will be necessary during various utility installation throughout the Project. The Project areas requiring dewatering currently planned include a multi year, multi-phase utility improvement project involving the replacement of potable water mains, gravity sewers, and sewage lift stations in several areas within the BSU service area. Pumps and/or wellpoints will be used for the dewatering of active parts of the excavation cells to the desired depth. In most cases, the dewatering effluent will be retained on-site into adjacent swales and hydraulic recharge trenches, settling basins or sediment tanks. Sheet pilings, trench boxes and other methods will be used during lift station installation to minimize the area of excavation and restrict the flow of water into the excavation area. Dewatering effluent will be retained on-site to the greatest extent feasible in temporary settling basins. However, given the spatial constraints of working within narrow easements and rights-of-ways in residential neighborhoods, not all dewatering effluent can be contained on the Project site, and off-site discharge may be necessary.
13. If off-site discharge is approved, turbidity measurements shall be made daily at the point of off-site discharge and a background location (upstream) in the receiving water body. If turbidity levels in the dewatering water exceed 29 NTU above background conditions in the receiving water body, the Permittee is required to correct the situation and cease dewatering operations until monitoring demonstrates turbidity standards are met. All turbidity data shall be retained on-site for inspection by District Staff.
14. Within 30 days of completion of the dewatering operation, all dewatering facilities (such as impoundments, conveyances, and recharge trenches) shall be filled and regraded to ground elevation or to otherwise comply with the Environmental Resource Permit.
15. Off-site discharge may be made via the facilities and conditions that follow:

City's stormwater management system, Oak Creek, Leitner Creek or the

SPECIAL PERMIT CONDITIONS

Imperial River.

16. A copy of the permit, its conditions, and dewatering plan is required to be kept on site at all times during dewatering operations by the lead contractor or site manager.
17. The Permittee shall not lower the water table below the following depths:
 - 22 feet NAVD, or approximately 25 feet bls.
18. The Permittee shall construct the proposed recharge trenches prior to dewatering and maintain water levels during active dewatering operations within one foot below land surface. Obstructions and sediments within the recharge trenches shall be removed to maintain the effectiveness of the recharge trenches.
19. At least 72 hours prior to initial dewatering, the Permittee shall contact the District to allow for a site visit to verify:
 - a. The location and design of the recharge trenches and on-site retention areas where dewatering water will be retained;
 - b. The location of monitoring facilities; and,
 - c. Other site-specific issues related to the protection of the resource or other existing legal users.

Failure of the Permittee, or the Permittee's representative, to notify the District before dewatering commences will result in enforcement action. If necessary, the District shall conduct a site visit.

Notification of commencement of dewatering can be made by contacting:
wucompliance@sfwmd.gov

Alternatively, please contact Scott Korf, Water Use Compliance Analyst at (239)338-2929 Extension 7738 or via email at skorf@sfwmd.gov

20. At least two weeks prior to commencing dewatering, the Permittee shall provide site specific dewatering plans for each proposed dewatering activity to the District for review and approval. Permittee shall not initiate dewatering prior to receiving written notification from District staff, that the proposed dewatering activity is consistent with the approved master permit.
21. The issuance of this permit does not serve as approval for any dewatering activities or associated Environmental Resource Permits. Site-specific plans as described in the Staff Report and an Environmental Resource Permit Application must be submitted and

SPECIAL PERMIT CONDITIONS

approved concurrently prior to the initiation of any dewatering activities.

22. If required after review of site-specific plans, the Permittee shall record daily withdrawals for each dewatering pump. This recorded information shall be maintained on-site and provided to District staff upon request.

STANDARD PERMIT CONDITIONS

1. All water uses authorized by this permit shall be implemented as conditioned by this permit, including any documents incorporated by reference in a permit condition. The District may revoke this permit, in whole or in part, or take enforcement action, pursuant to Section 373.136 or 373.243, F.S., unless a permit modification has been obtained to address the noncompliance.

The Permittee shall immediately notify the District in writing of any previously submitted material information that is later discovered to be inaccurate.

2. The Permittee is advised that this permit does not relieve any person from the requirement to obtain all necessary federal, state, local and special district authorizations.
3. The Permittee shall notify the District in writing within 30 days of any sale, transfer, or conveyance of ownership or any other loss of permitted legal control of the Project and/or related facilities from which the permitted consumptive use is made. Where Permittee's control of the land subject to the permit was demonstrated through a lease, the Permittee must either submit a new or modified lease showing that it continues to have legal control or documentation showing a transfer in control of the permitted system/project to the new landowner or new lessee. All transfers of ownership are subject to the requirements of Rule 40E-1.6107, F.A.C. Alternatively, the Permittee may surrender the consumptive use permit to the District, thereby relinquishing the right to conduct any activities under the permit.
4. Nothing in this permit should be construed to limit the authority of the District to declare a water shortage and issue orders pursuant to Chapter 373, F.S. In the event of a declared water shortage, the Permittee must adhere to the water shortage restrictions, as specified by the District. The Permittee is advised that during a water shortage, reports shall be submitted as required by District rule or order. The Permittee is advised that during a water shortage, pumpage, water levels, and water quality data shall be collected and submitted as required by District orders issued pursuant to Chapter 40E-21, F.A.C.
5. This permit does not convey to the Permittee any property rights or privileges other than those specified herein, nor relieve the permittee from complying with any applicable local government, state, or federal law, rule, or ordinance.
6. With advance notice to the Permittee, District staff with proper identification shall have permission to enter, inspect, observe, collect samples, and take measurements of permitted facilities to determine compliance with the permit conditions and permitted plans and specifications. The Permittee shall either accompany District staff onto the property or make provision for access onto the property.

7. A. The Permittee may seek modification of any term of an unexpired permit. The Permittee is advised that Section 373.239, F.S., and Rule 40E-2.331, F.A.C., are applicable to permit modifications.

B. The Permittee shall notify the District in writing 30 days prior to any changes to the project that could potentially alter the reasonable demand reflected in the permitted allocation. Such changes include, but are not limited to, change in irrigated acreage, crop type, irrigation system, large users agreements, or water treatment method. Permittee will be required to apply for a modification of the permit for any changes in permitted allocation.

8. If any condition of the permit is violated, the permit shall be subject to review and modification, enforcement action, or revocation pursuant to Chapter 373, F.S.

9. The Permittee shall mitigate interference with existing legal uses that was caused in whole or in part by the Permittee's withdrawals, consistent with the approved mitigation plan. As necessary to offset the interference, mitigation will include pumpage reduction, replacement of the impacted individual's equipment, relocation of wells, change in withdrawal source, or other means.

Interference to an existing legal use is defined as an impact that occurs under hydrologic conditions equal to or less severe than a 1-in-10 year drought event that results in the:

A. Inability to withdraw water consistent with provisions of the permit, such as when remedial structural or operational actions not materially authorized by existing permits must be taken to address the interference; or

B. Change in the quality of water pursuant to primary State Drinking Water Standards to the extent that the water can no longer be used for its authorized purpose, or such change is imminent.

10. The Permittee shall mitigate harm to the natural resources caused by the Permittee's withdrawals, as determined through reference to the conditions for permit issuance. When harm occurs, or is imminent, the District will require the Permittee to modify withdrawal rates or mitigate the harm. Harm, as determined through reference to the conditions for permit issuance includes:

A. Reduction in ground or surface water levels that results in harmful lateral movement of the fresh water/salt water interface,

B. Reduction in water levels that harm the hydroperiod of wetlands,

C. Significant reduction in water levels or hydroperiod in a naturally occurring water body such as a lake or pond,

D. Harmful movement of contaminants in violation of state water quality standards, or

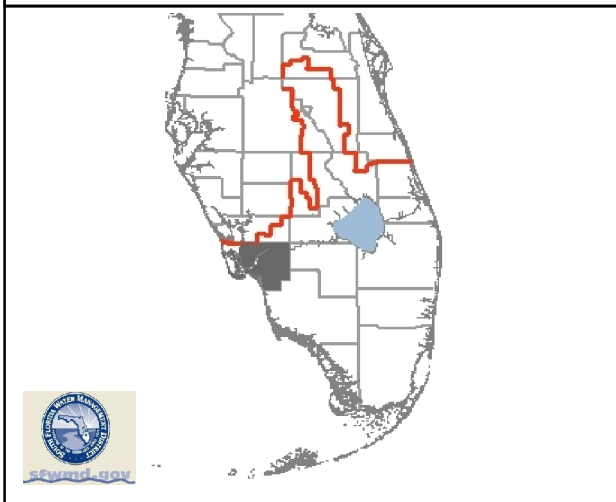
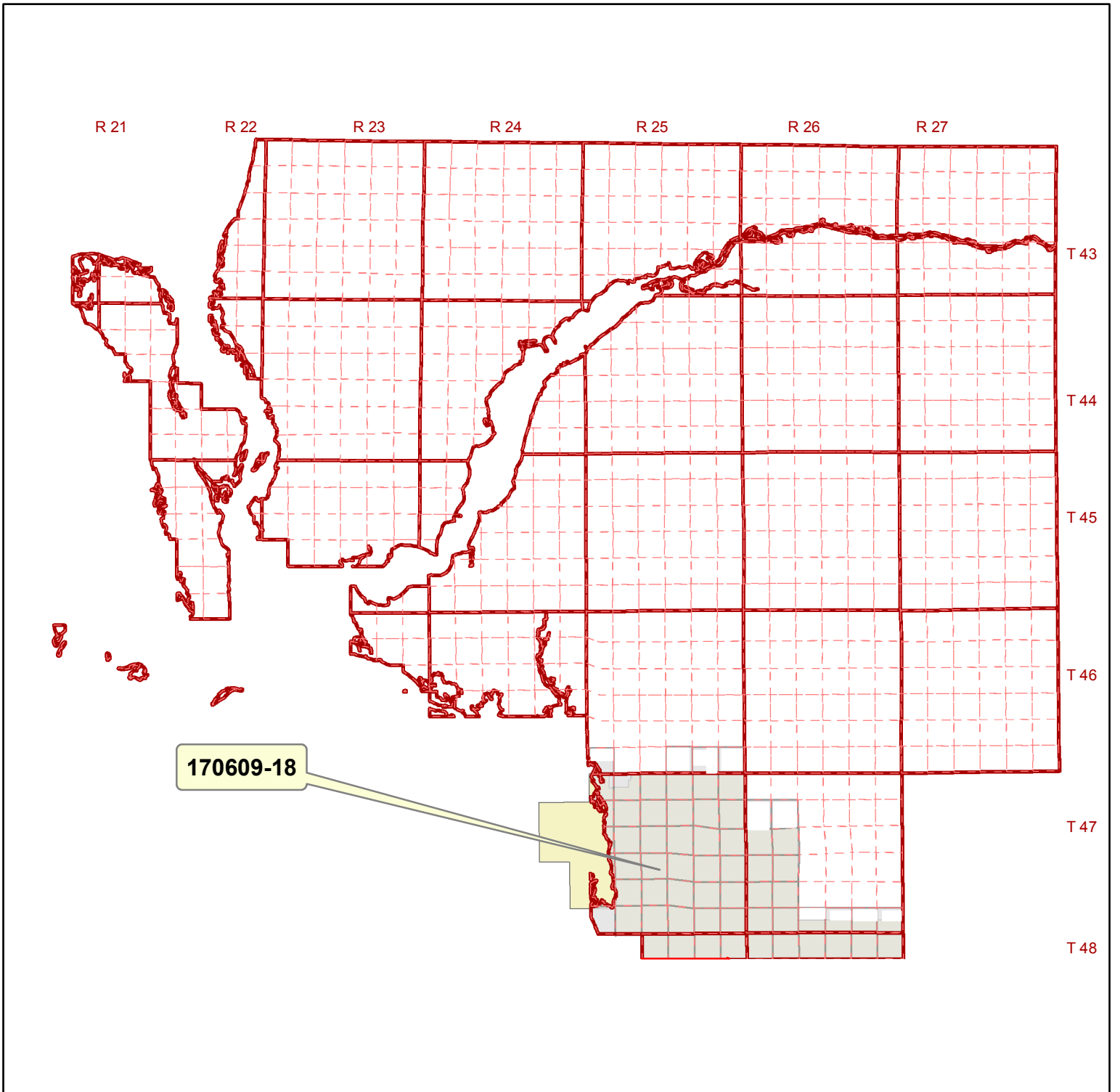
E. Harm to the natural system including damage to habitat for rare or endangered species.

11. The Permittee shall mitigate harm to existing off-site land uses caused by the Permittee's withdrawals, as determined through reference to the conditions for permit issuance. When harm occurs, or is imminent, the District will require the Permittee to modify withdrawal rates or mitigate the harm. Harm as determined through reference to the conditions for permit issuance, includes:

A. Significant reduction in water levels on the property to the extent that the designed function of the water body and related surface water management improvements are damaged, not including aesthetic values. The designed function of a water body is identified in the original permit or other governmental authorization issued for the construction of the water body. In cases where a permit was not required, the designed function shall be determined based on the purpose for the original construction of the water body (e.g. fill for construction, mining, drainage canal, etc.)

B. Damage to agriculture, including damage resulting from reduction in soil moisture resulting from consumptive use; or,

C. Land collapse or subsidence caused by reduction in water levels associated with consumptive use.



LEE COUNTY, FLORIDA

Application No: 170609-18

Sec 17-20, 29-36- / Twp 47 / Rge 26

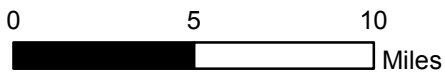
Sec 10, 11, 13, 14, 24, 25 / Twp 47 / Rge 24

Sec 1- 36 / Twp 47 / Rge 25 Sec 35 / Twp 46 / Rge 25

Sec 1- 4 / Twp 48 / Rge 25

Sec 1- 6 / Twp 48 / Rge 26

Project Name: BONITA SPRINGS UTILITIES MASTER DEWATERING

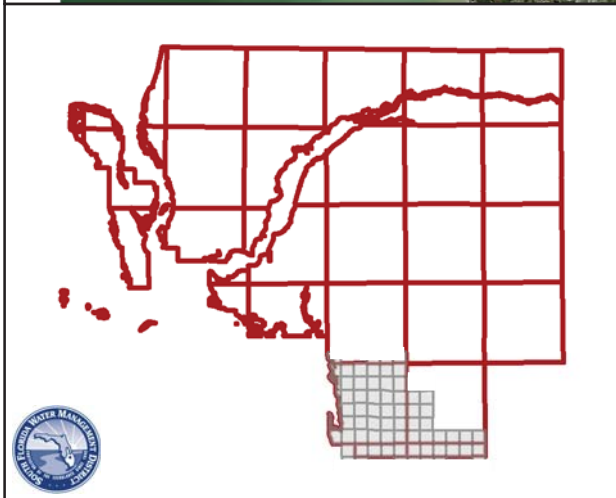
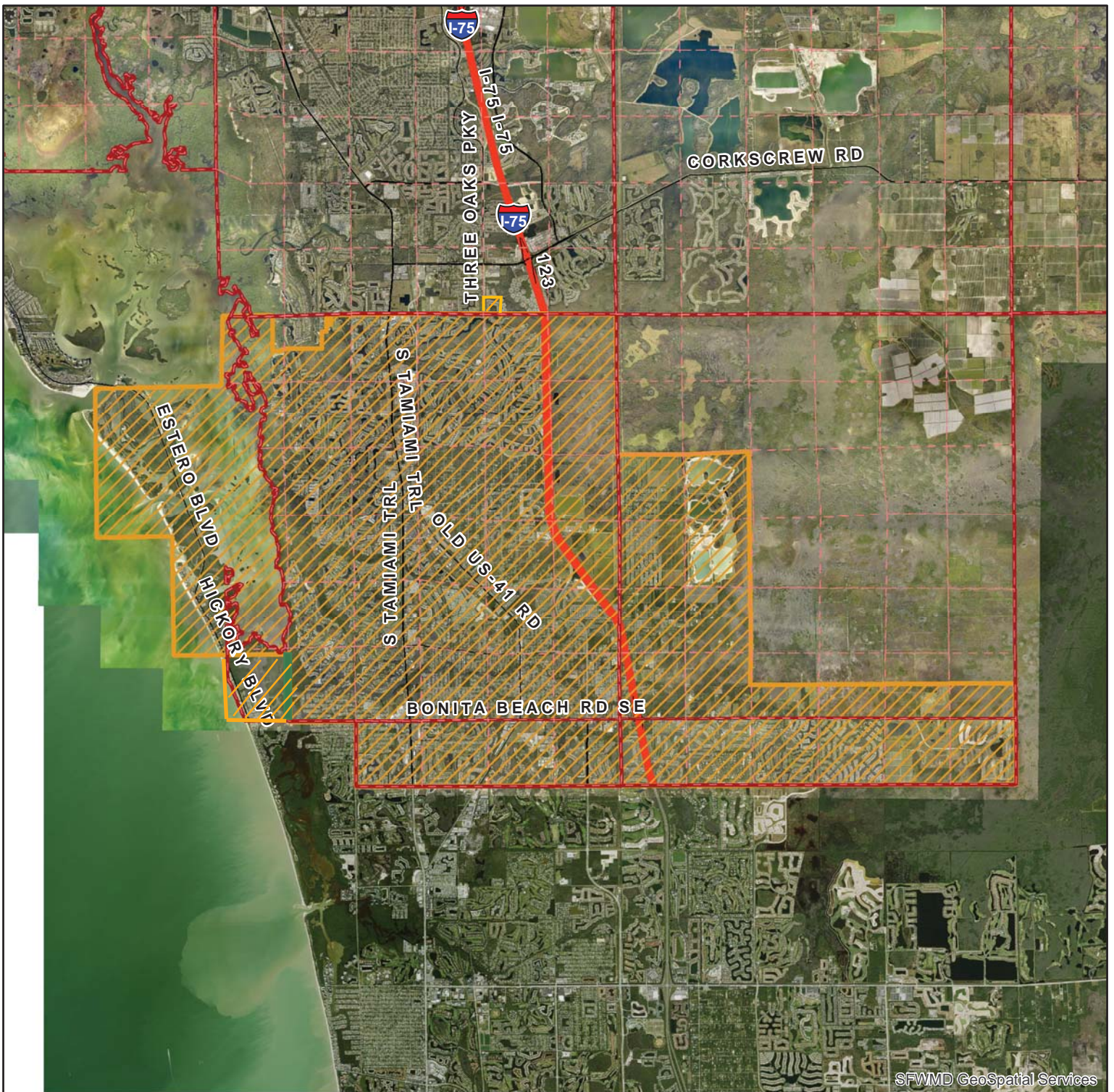


Map Date: 2017-06-16

Permit No: 36-08832-W

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LEE COUNTY, FLORIDA

Map Date: 2017-06-16

Legend

 Application

Application No: 170609-18

Permit No: 36-08832-W

Sec 17-20, 29-36- / Twp 47 / Rge 26

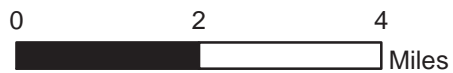
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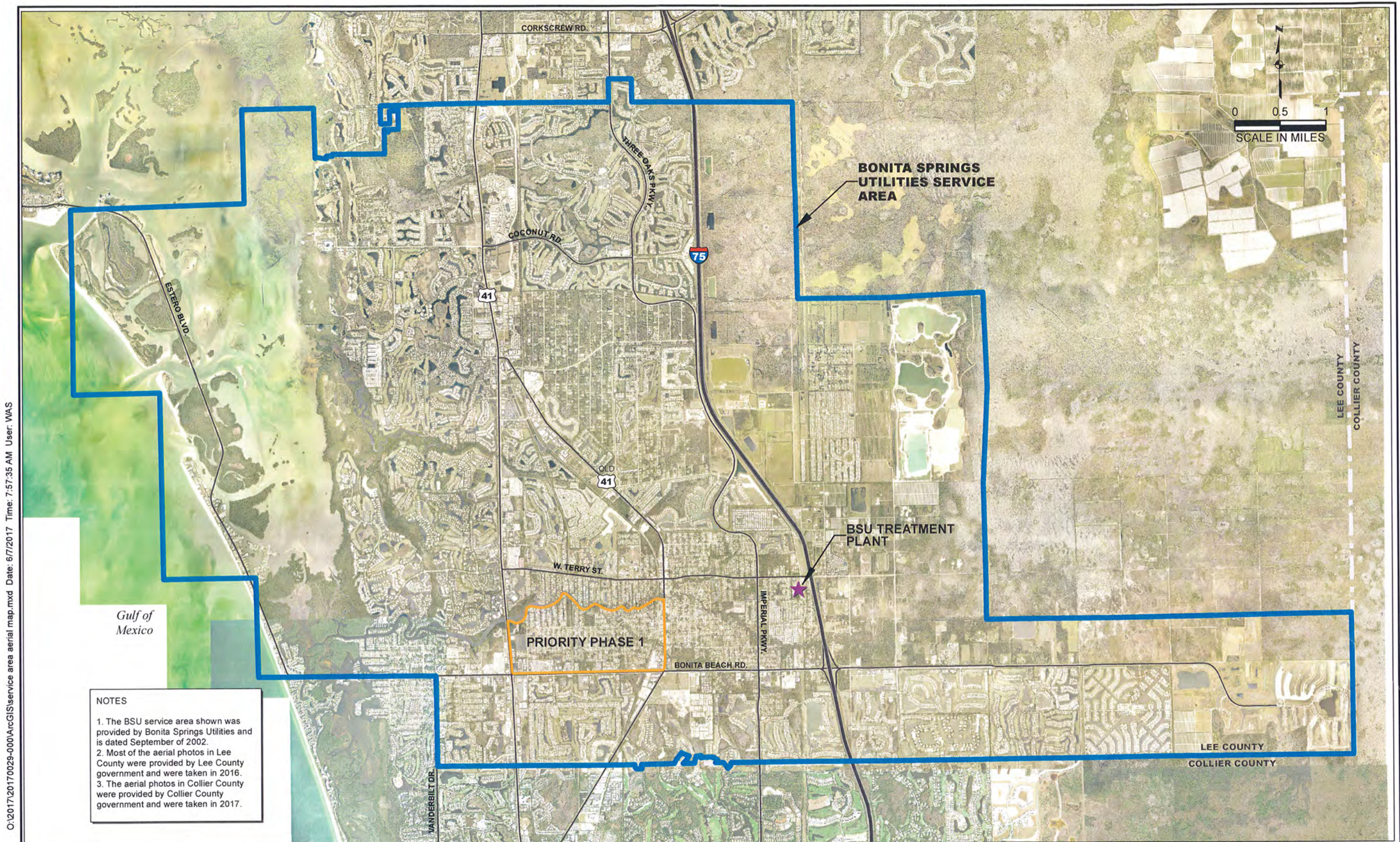
Sec 1- 36 / Twp 47 / Rge 25 Sec 35 / Twp 46 / Rge 25

Sec 1- 4 / Twp 48 / Rge 25

Sec 1- 6 / Twp 48 / Rge 26

Project Name: BONITA SPRINGS UTILITIES
MASTER DEWATERING





NOTES

1. The BSU service area shown was provided by Bonita Springs Utilities and is dated September of 2002.
2. Most of the aerial photos in Lee County were provided by Lee County government and were taken in 2016.
3. The aerial photos in Collier County were provided by Collier County government and were taken in 2017.

O:\2017\20170029-000\ArcGIS\service area aerial map.mxd Date: 6/7/2017 Time: 7:57:35 AM User: WAS

Appl. # 170609-18

EXHIBIT 3

Bonita Springs Utilities
Lee County, Florida



JOHNSON ENGINEERING, INC.
2122 JOHNSON STREET
P.O. BOX 1550
FORT MYERS, FLORIDA 33902-1550
PHONE (239) 334-0046
FAX (239) 334-3661
E.B. #642 & L.B. #642

BSU Service Area Aerial Map

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
May 2017	20170029-000	--	As Shown	Figure 1

TABLE - B
Description Of Surface Water Pumps

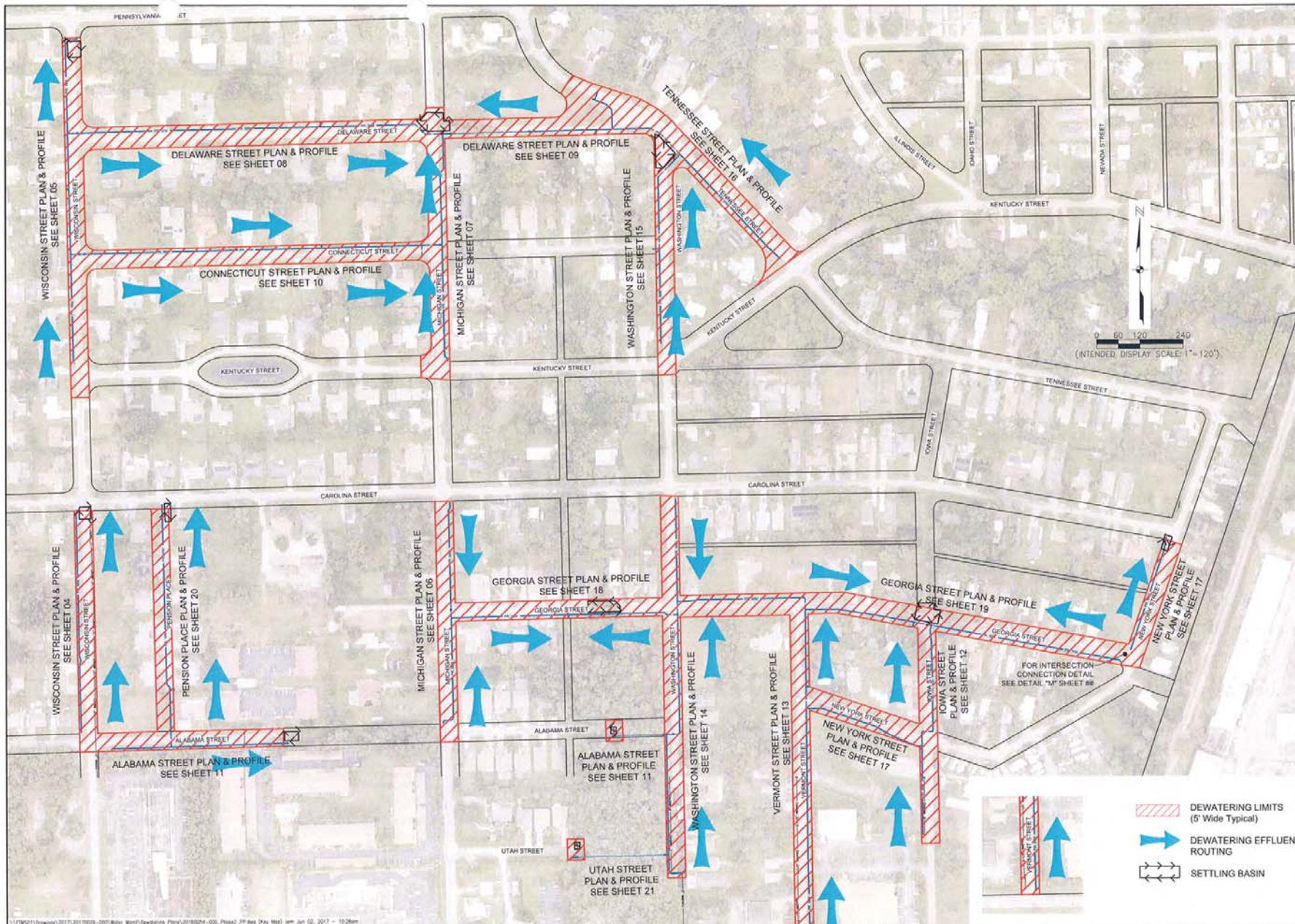
Application Number: 170609-18

Pump ID	276919	276920	276921	276922	276923	276924	276925
Name	Pump 1	Pump 2	Pump 3	Pump 4	Pump 5	Pump 6	Pump 7
Map Designator							
Facility Group							
Existing/Proposed	P	P	P	P	P	P	P
Pump Type	Vacuum	Vacuum	Hydraulic	Centrifugal	Hydraulic	Hydraulic	Centrifugal
Diameter(Inches)	6	8	6	6	12	12	6
Pump Capacity(GPM)	800	1,000	800	1,600	2,500	2,500	1,600
Pump Horse Power	40	60	62	62	55	55	62
Two Way Pump ?	N	N	N	N	N	N	N
Elevation (ft. NGVD)							
Planar Location							
Source							
Feet East							
Feet North							
Accounting Method	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Use Status	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Water Use Type	Mining / Dewatering	Mining / Dewatering	Mining / Dewatering	Mining / Dewatering	Mining / Dewatering	Mining / Dewatering	Mining / Dewatering
Surface Water Body	Water Table aquifer	Water Table aquifer	Water Table aquifer	Water Table aquifer	Water Table aquifer	Water Table aquifer	Water Table aquifer

TABLE - B
Description Of Surface Water Pumps

Application Number: 170609-18

Pump ID	276926
Name	Pump 8
Map Designator	
Facility Group	
Existing/Proposed	P
Pump Type	Centrifugal
Diameter(Inches)	6
Pump Capacity(GPM)	1,600
Pump Horse Power	62
Two Way Pump ?	N
Elevation (ft. NGVD)	
Planar Location	
Source	
Feet East	
Feet North	
Accounting Method	Unspecified
Use Status	Primary
Water Use Type	Mining / Dewatering
Surface Water Body	Water Table aquifer



\\FWS011\dwg\2017\2017009-000\Main\dwg\dwg\dwg\Plan\2017009-000_Plan_03.dwg (Key Map) spt Jun 02, 2017 - 10:28am

JOHNSON ENGINEERING
 3122 JOHNSON STREET
 FORT MYERS, FLORIDA 33905-1500
 PHONE (239) 334-0000 FAX (239) 334-0001
 E.B. #02 E.L.B. #02

Priority 1
Water Main Replacement 2017
 Sections 34 & 35 Township 47 South Range 25 East
 Lee County, Florida

NO.	REVISIONS	DATE

DATE: MAY 2017
 PROJECT NO: 2017009-000
 FILE NO: 34 & 35-47-25
 SCALE: AS SHOWN

Key Map

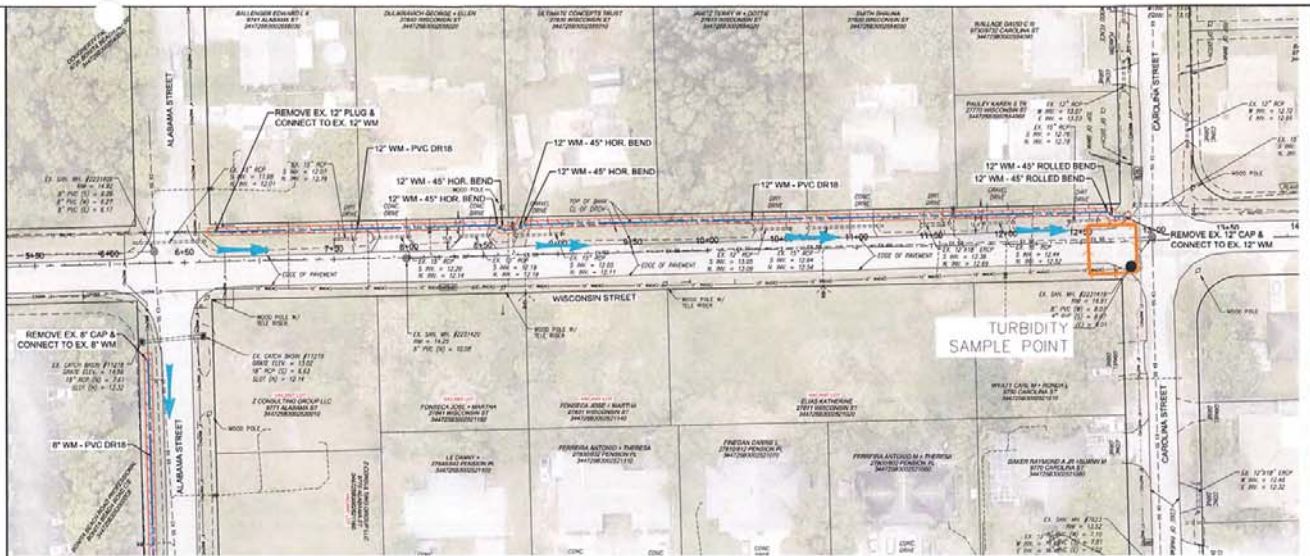
SHEET NUMBER
03

NO.	REVISIONS	DATE

DATE: MAY 2017
 PROJECT NO. 20170029-000
 FILE NO. 34 & 35-47-25
 SCALE: AS SHOWN

Wisconsin Street Plan & Profile
 Sta. 5+50 to 13+50

SHEET NUMBER
04

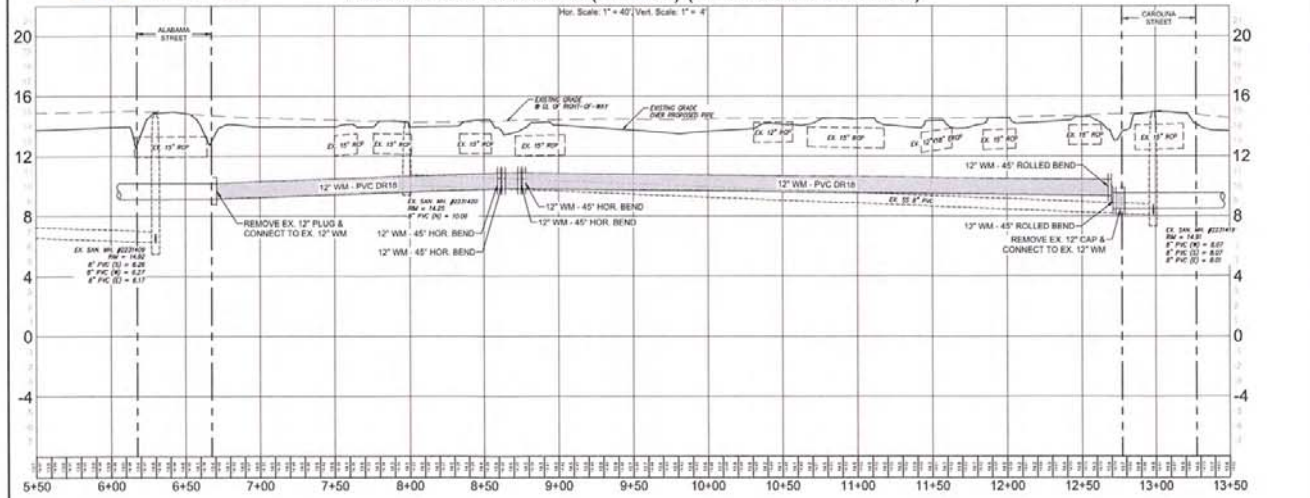


FOR CONTINUATION
 SEE SHEET 11

- NOTES:
1. ALL EXISTING WATER SERVICES AND METER BOXES TO BE REPLACED.
 2. CONTRACTOR WILL INSTALL NEW METER BOXES. BONITA SPRINGS UTILITIES WILL SUPPLY CONTRACTOR WITH NEW METER BOXES.
 3. ALL EXISTING WATER MAINS TO BE ABANDONED AND GROUTED IN PLACE. SOME WATER MAINS ARE ASBESTOS CEMENT (AC) AS NOTED ON PLANS.
 4. CONTRACTOR TO PAY SPECIAL ATTENTION TO BRICK OR STONE PAVEMENT DRIVEWAYS AND RE-USE EXISTING MATERIALS AND USE FLOWABLE FILL TO PREVENT SETTLEMENT.
 5. CONTRACTOR TO LOCATE EXISTING SEWER SERVICES AND USE FITTINGS AS REQUIRED TO AVOID CONFLICTS.
 6. DRIVEWAYS TO BE REPLACED FROM EDGE OF ROADWAY UP TO THE CLOSEST UNDISTURBED SECTION OR JOINT AND OR UP TO THE RIGHT OF WAY AT A MAXIMUM.
 7. PROPOSED WATER MAIN TO HAVE 36" OF COVER UNDER ROADWAY AND 30" MINIMUM COVER OUTSIDE OF ROADWAY.

- DEWATERING LIMITS (5' Wide Typical)
- DEWATERING EFFLUENT ROUTING
- SETTLING BASIN

Profile View of Wisconsin (Phase 2) (Sta: 5+50 to Sta: 13+50)

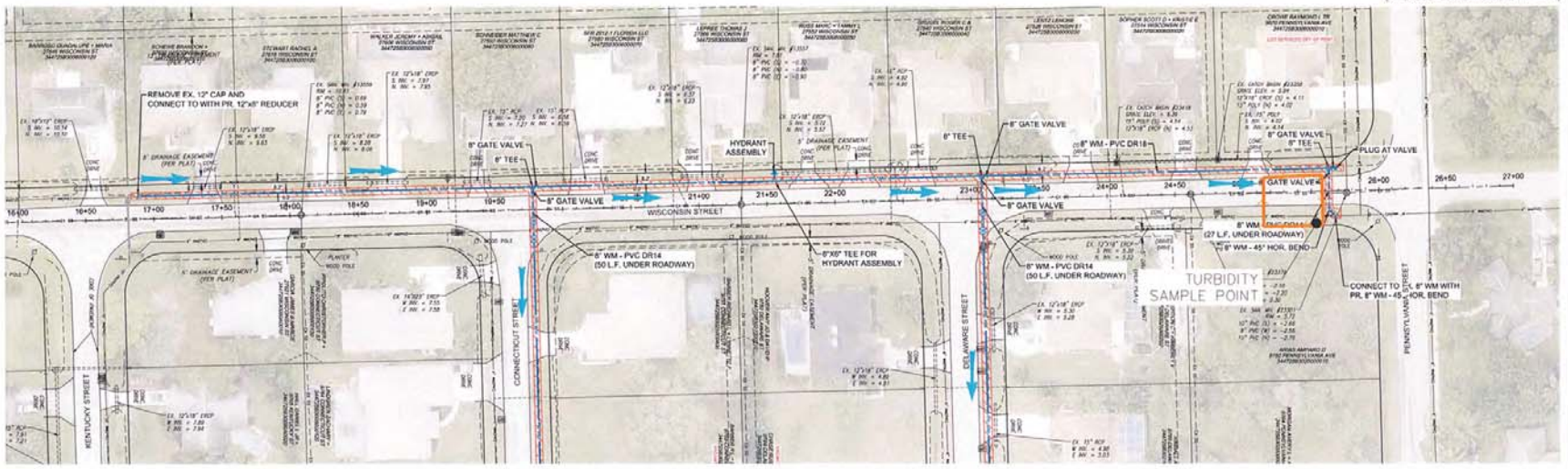
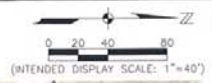


NO.	REVISIONS	DATE

DATE: MAY 2017
 PROJECT NO: 20170209-0001
 FILE NO: 34 & 35-47-26
 SCALE: AS SHOWN

Wisconsin Street Plan & Profile
 Sta. 16+00 to 27+00

SHEET NUMBER
05



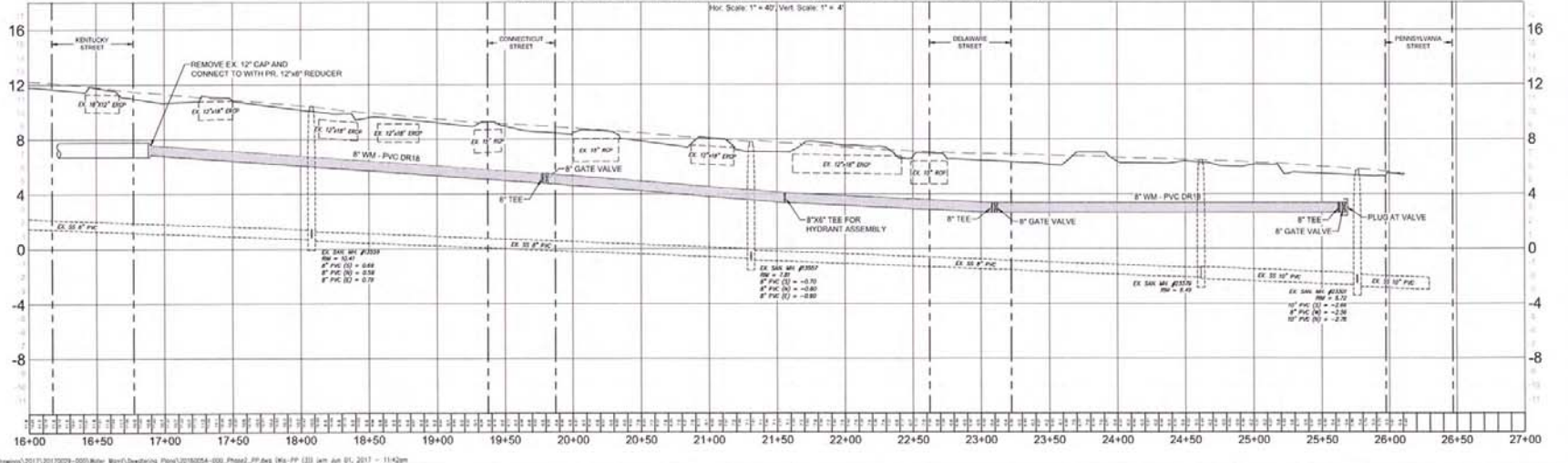
FOR CONTINUATION
 SEE SHEET 10

FOR CONTINUATION
 SEE SHEET 08

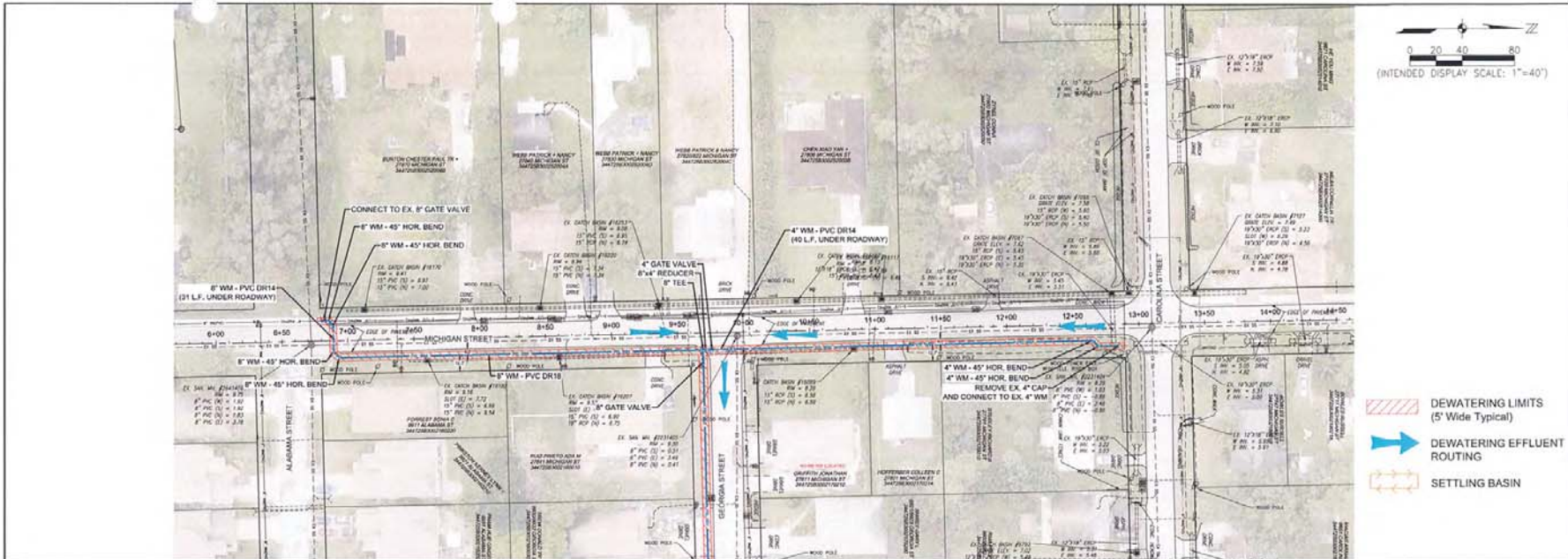
- DEWATERING LIMITS
(5' Wide Typical)
- DEWATERING EFFLUENT ROUTING
- SETTLING BASIN

- NOTES:
1. ALL EXISTING WATER SERVICES AND METER BOXES TO BE REPLACED.
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 7. PROPOSED WATER MAIN TO HAVE 36" OF COVER UNDER ROADWAY AND 30" MINIMUM COVER OUTSIDE OF ROADWAY.

Profile View of Wisconsin (Phase 2) (Sta: 16+00 to Sta: 27+00)



\\17001\Drawings\2017\20170209-0001\Drawings\Johnson_Engineering_Plan\20170209-0001_Profile_PP.dwg [16+00 to 27+00] Job Date: 05/11/2017 - 11:42am



JOHNSON ENGINEERING
 2122 JOHNSON STREET
 FORT MYERS, FLORIDA 33903-1550
 PHONE: (239) 334-5599
 FAX: (239) 334-5661
 E-MAIL: J.E. @ J.E. ENGINEERING.COM

Bonita Springs Utilities, Inc.

FOR CONTINUATION
 SEE SHEET 18

- NOTES:
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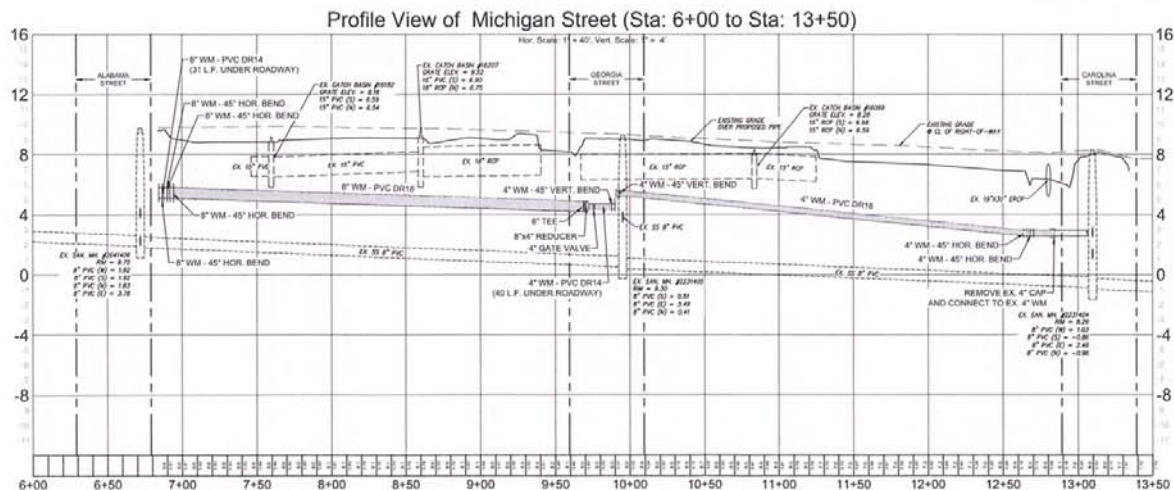
Priority 1
Water Main Replacement 2017
 Sections 34 & 35 Township 47 South, Range 25 East
 Lee County, Florida

NO.	REVISIONS	DATE

DATE: MAY 2017
 PROJECT NO. 20170029-000
 FILE NO. 34 & 35-47-25
 SCALE: AS SHOWN

Michigan Street Plan & Profile
 Sta. 6+00 to 13+50

SHEET NUMBER
06



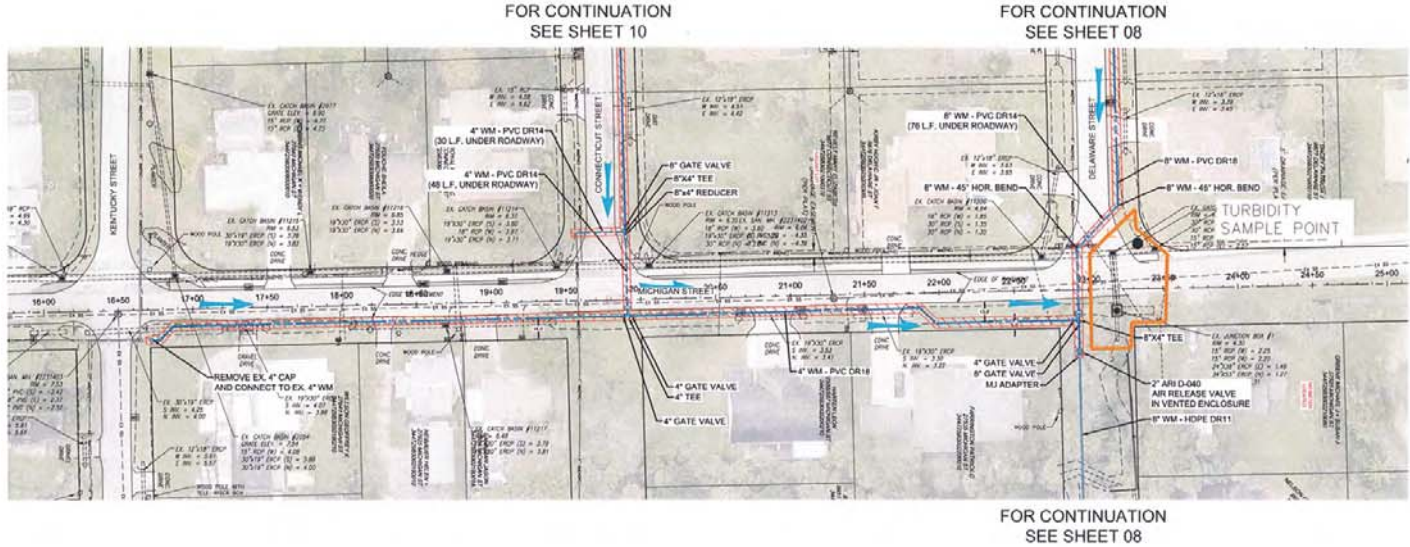
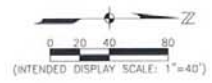
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NO.	DATE	REVISIONS DESCRIPTION

DATE: MAY 2017
 PROJECT NO: 20170209-000
 FILE NO: 34 & 35-47-25
 SCALE: AS SHOWN

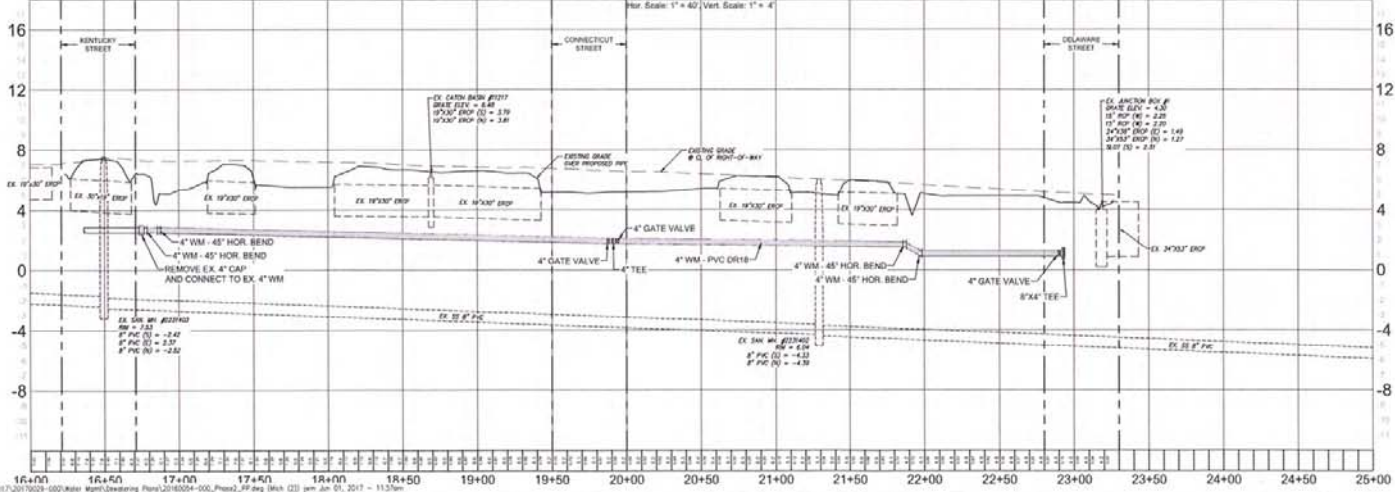
Michigan Street Plan & Profile
 Sta. 16+00 to 25+00

SHEET NUMBER
07



- NOTES:
1. ALL EXISTING WATER SERVICES AND METER BOXES TO BE REPLACED.
 2. CONTRACTOR WILL INSTALL NEW METER BOXES. BONITA SPRINGS UTILITIES WILL SUPPLY CONTRACTOR WITH NEW METER BOXES.
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 8. PROPOSED WATER MAIN TO HAVE 36" OF COVER UNDER ROADWAY AND 36" MINIMUM COVER OUTSIDE OF ROADWAY.

Profile View of Michigan Street (Sta: 16+00 to Sta: 25+00)

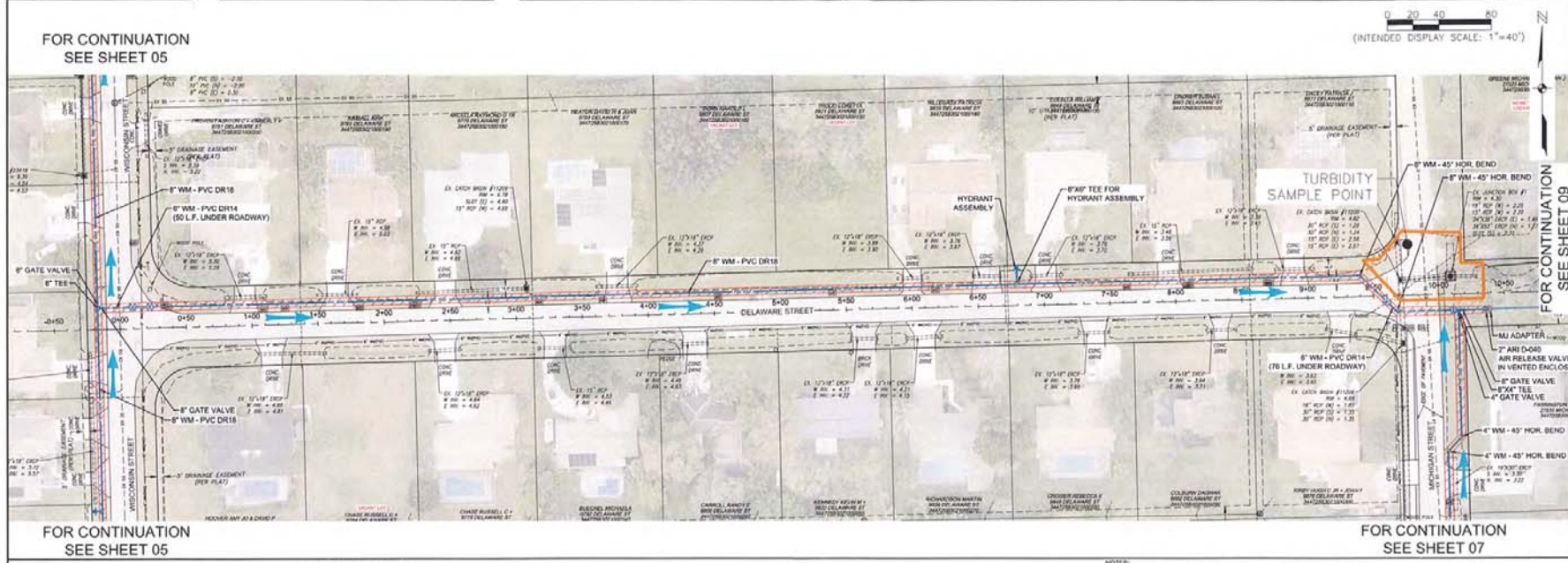


NO.	REVISIONS DESCRIPTION	DATE

DATE: MAY 2017
 PROJECT NO. 20170029-000
 FILE NO. 34 & 35-47-25
 SCALE: AS SHOWN

Delaware Street Plan & Profile
 Sta. -0+50 to 10+50

SHEET NUMBER
08



FOR CONTINUATION SEE SHEET 05

FOR CONTINUATION SEE SHEET 07

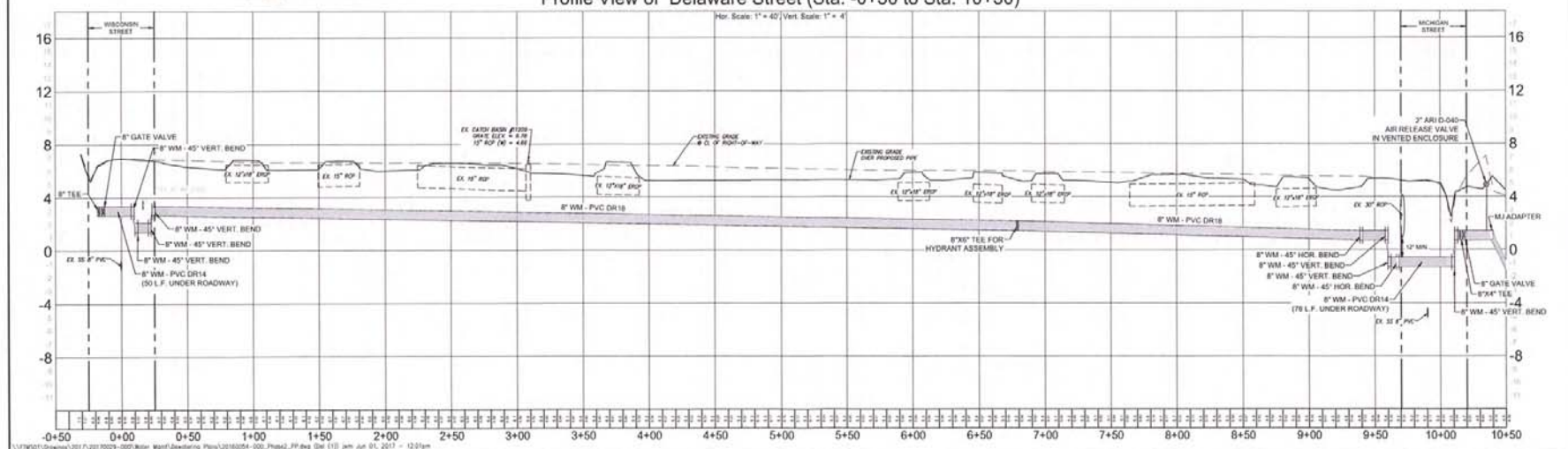
DEWATERING LIMITS (5' Wide Typical)

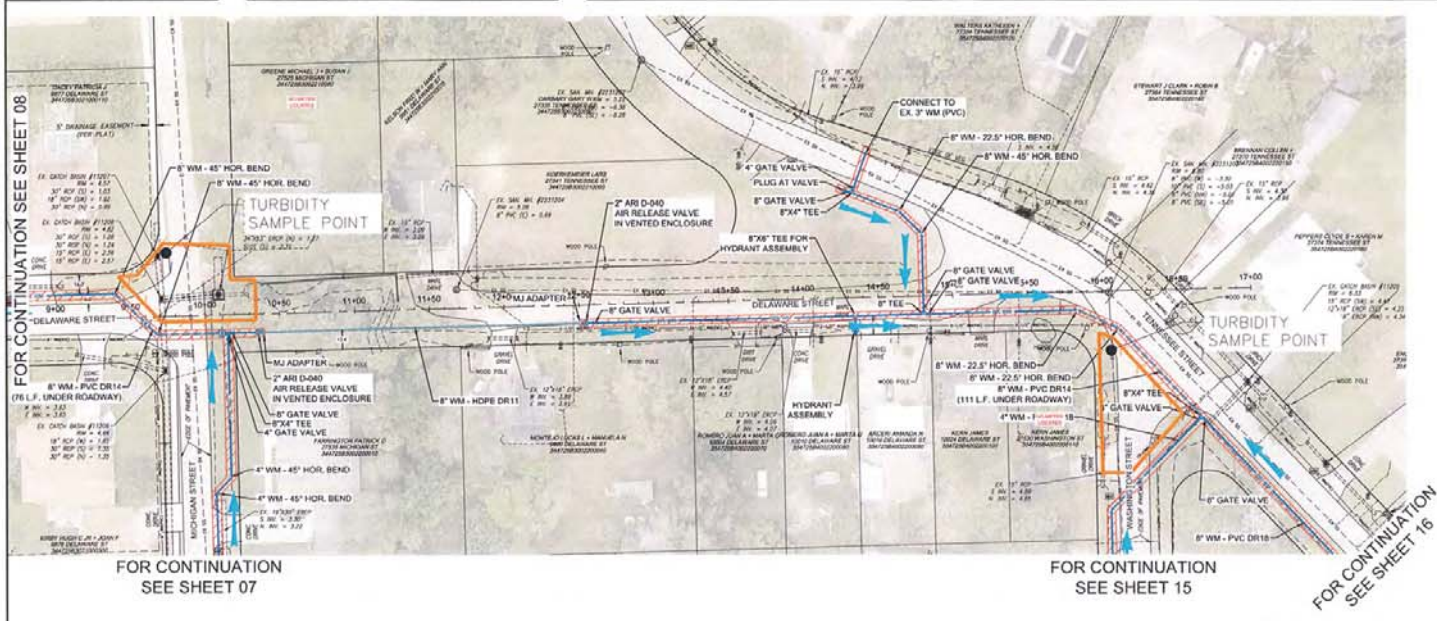
DEWATERING EFFLUENT ROUTING

SETTLING BASIN

NOTES:

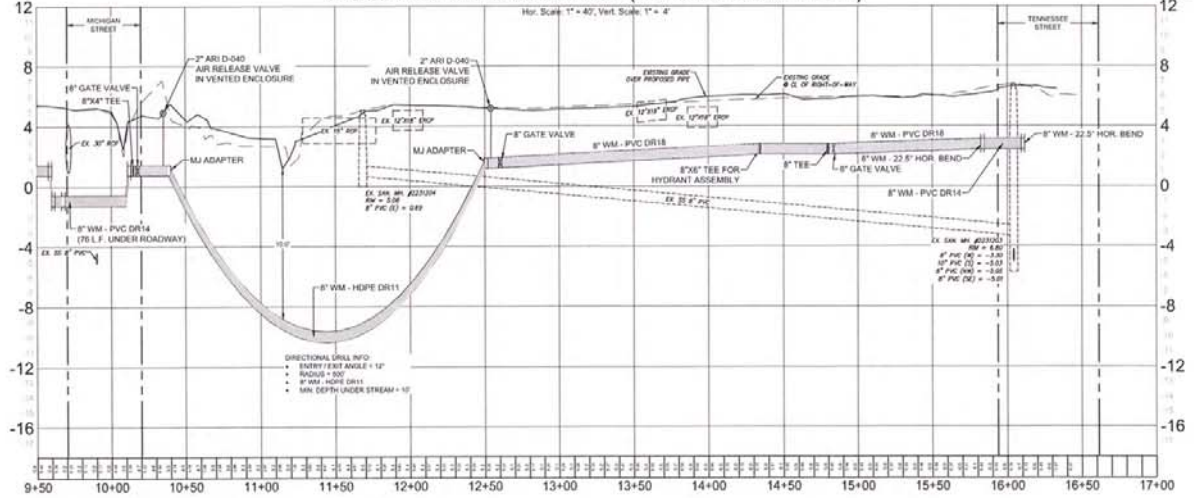
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Profile View of Delaware Street (Sta: 9+50 to Sta: 17+00)



JOHNSON ENGINEERING

2121 JOHNSON STREET
P.O. BOX 1550
FORT MYERS, FLORIDA 33902-1550
PHONE: (813) 336-0000
FAX: (813) 336-0861
E.B. #02 41.8 4041

Bonita Springs Utilities, Inc.

Priority 1
Water Main Replacement 2017
Sections 34 & 35, Township 47 South, Range 25 East
Lee County, Florida

NO.	REVISIONS	DATE

DATE: MAY 2017
PROJECT NO: 20170029-000
FILE NO: 34 & 35-47-25
SCALE: AS SHOWN

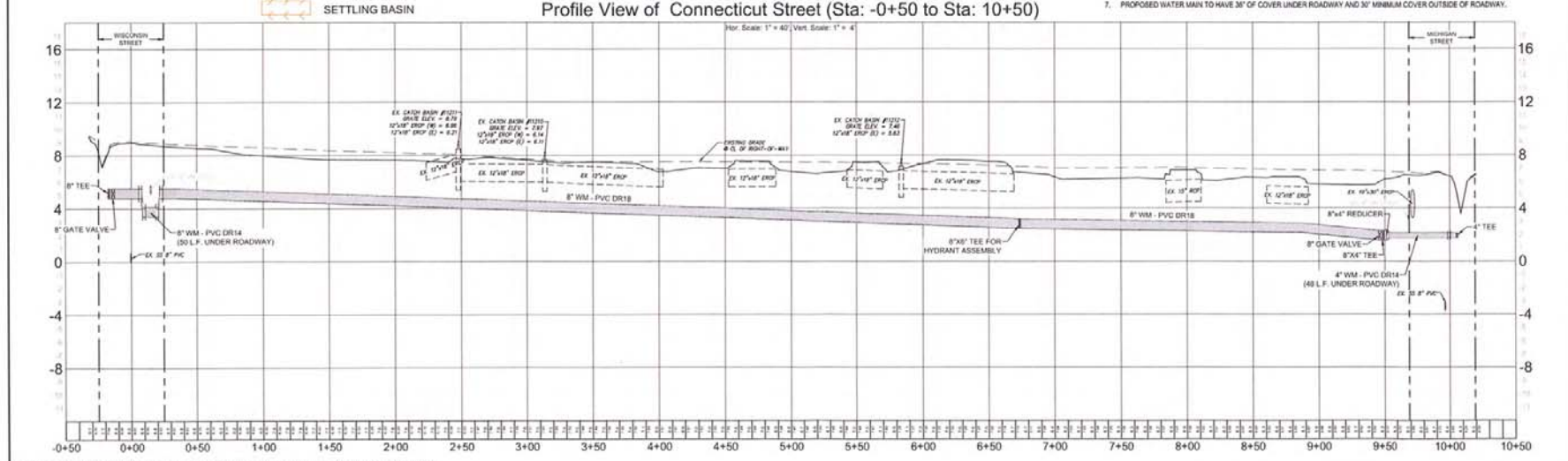
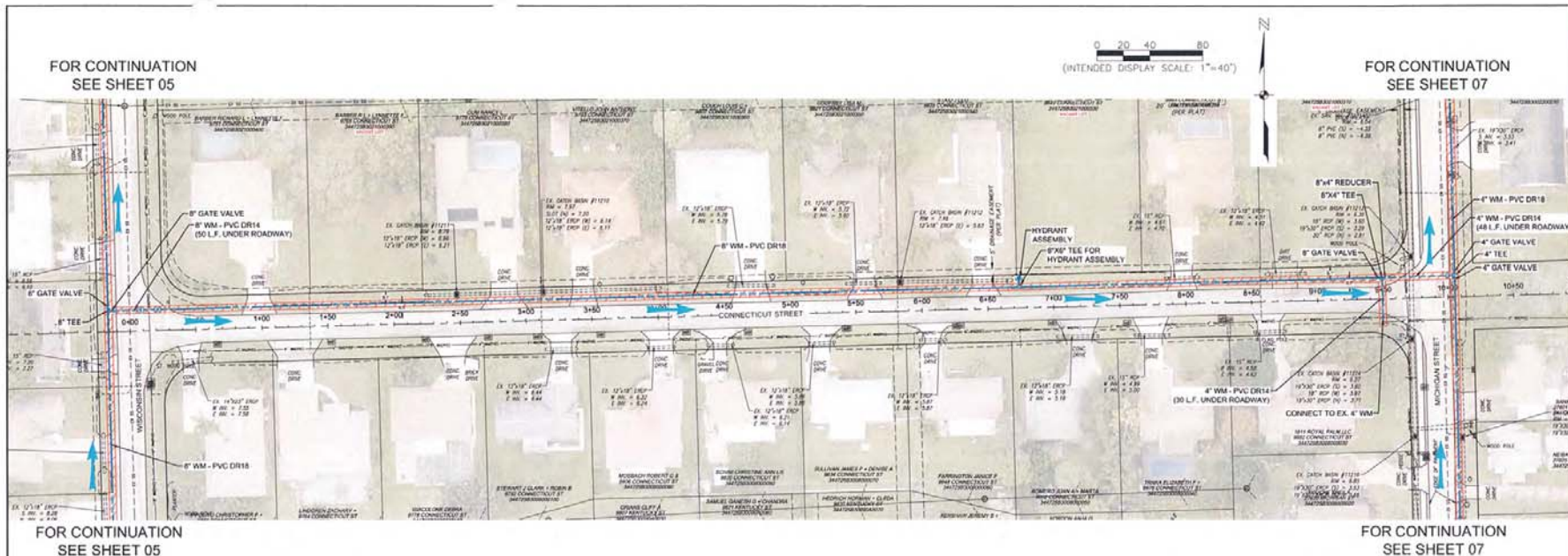
Delaware Street Plan & Profile
Sta_9+50_to_17+00

SHEET NUMBER
09

NO.	DATE	DESCRIPTION

DATE: MAY 2017
PROJECT NO: 20170029-000
FILE NO: 34 & 35-47-25
SCALE: AS SHOWN

Connecticut Street Plan & Profile Sta. 0+50 to 10+50
SHEET NUMBER
10



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NO.	DATE	DESCRIPTION

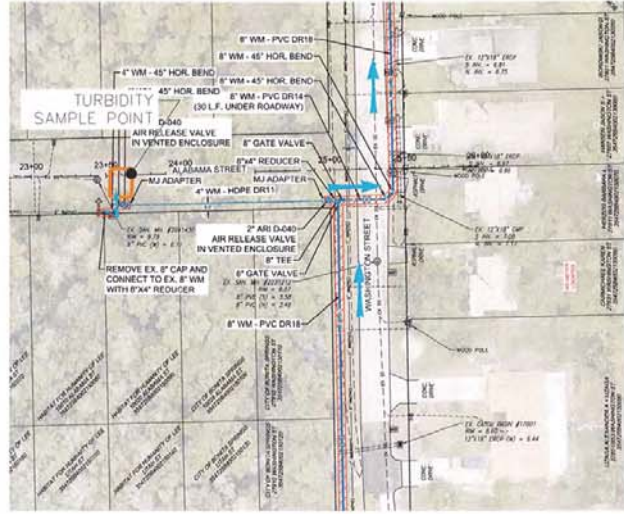
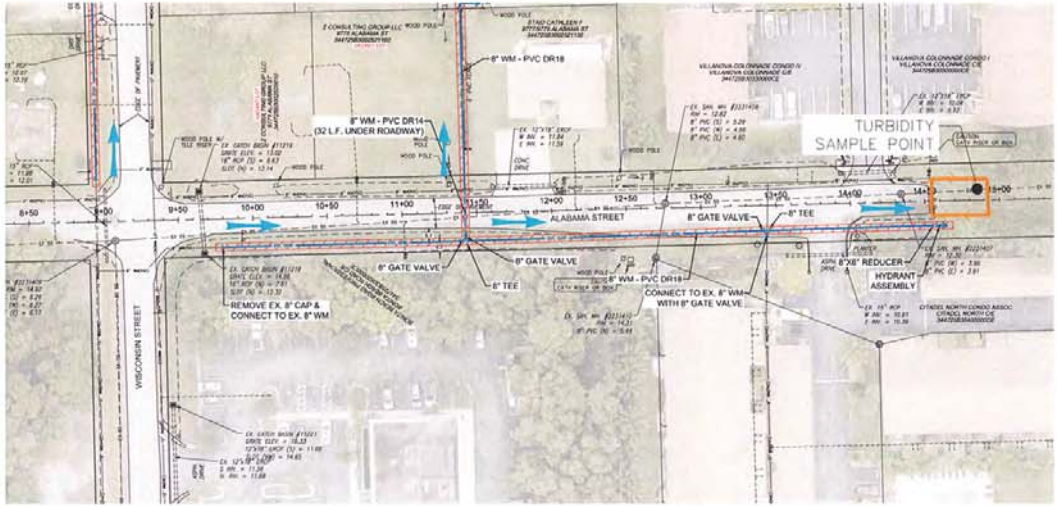
DATE: MAY 2017
 PROJECT NO.: 20170209-000
 FILE NO.: 34 & 35-47-25
 SCALE: AS SHOWN

Alabama Street Plan & Profile
 Sta. 8+50 to 15+00 &
 Sta. 23+00 to 26+00

SHEET NUMBER
11

FOR CONTINUATION
 SEE SHEET 04

FOR CONTINUATION
 SEE SHEET 20

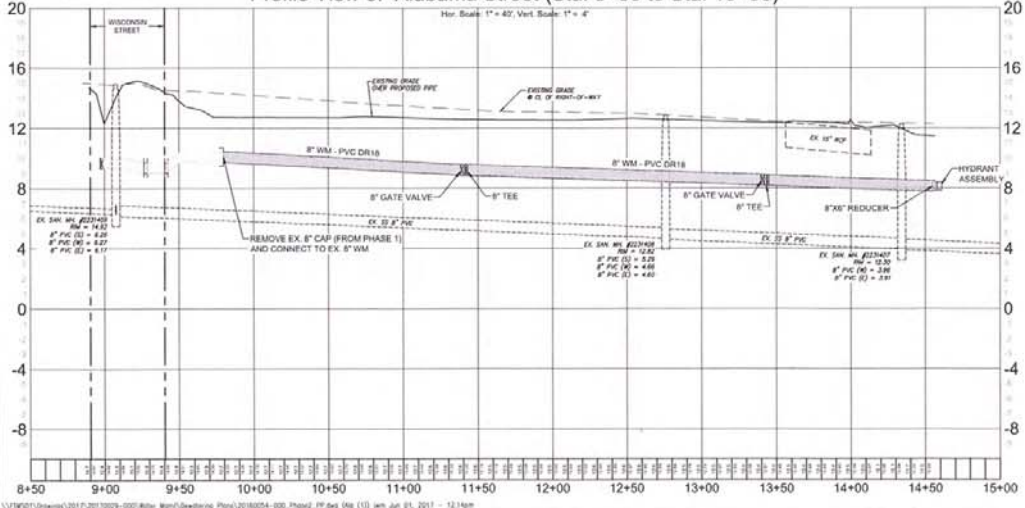


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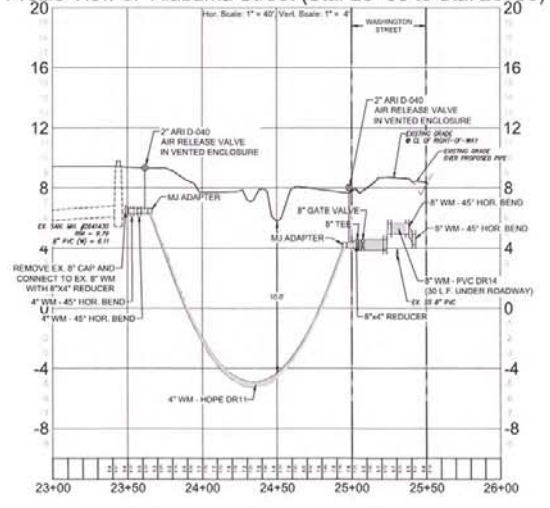
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- DEWATERING LIMITS
(5' Wide Typical)
- DEWATERING EFFLUENT ROUTING
- SETTLING BASIN

Profile View of Alabama Street (Sta: 8+50 to Sta: 15+00)



Profile View of Alabama Street (Sta: 23+00 to Sta: 26+00)



NO.	REVISIONS	DATE

DATE: MAY 5, 2017
PROJECT NO. 20160004-000
FILE NO. 34 & 35-47-25
SCALE: AS SHOWN

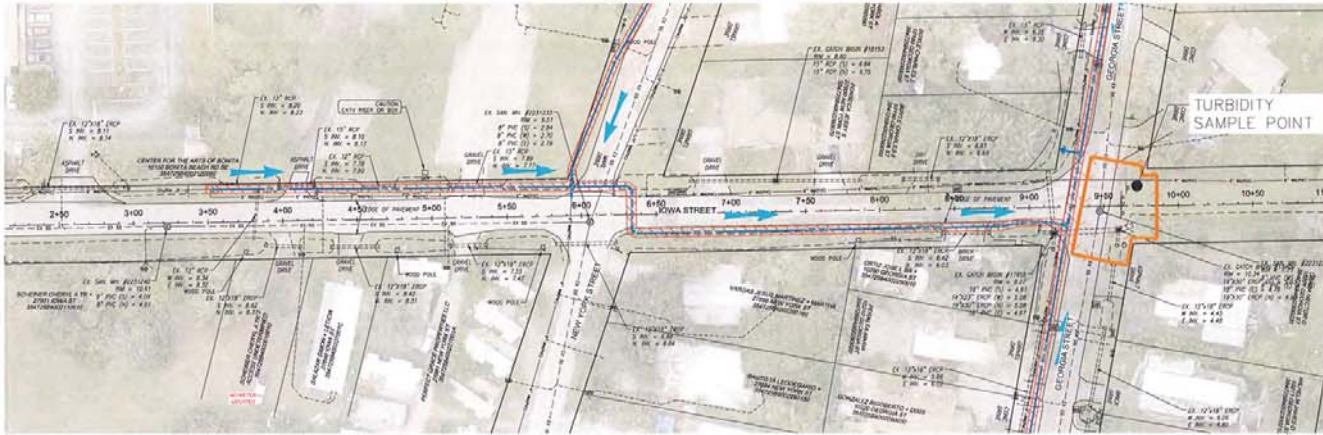
Iowa Street Plan & Profile
Sta. 2+50 to 10+50

SHEET NUMBER

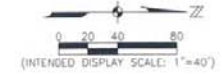
12

FOR CONTINUATION
SEE SHEET 17

FOR CONTINUATION
SEE SHEET 19

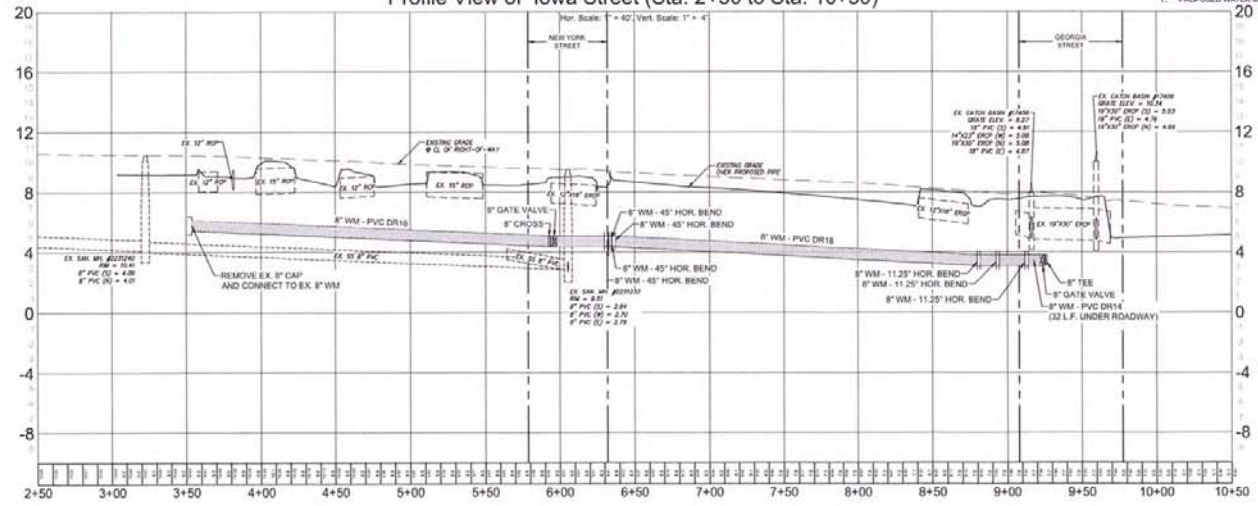


- DEWATERING LIMITS (5' Wide Typical)
- DEWATERING EFFLUENT ROUTING
- SETTLING BASIN



FOR CONTINUATION
SEE SHEET 19

Profile View of Iowa Street (Sta: 2+50 to Sta: 10+50)



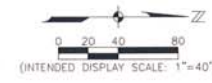
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NO.	REVISIONS	DATE

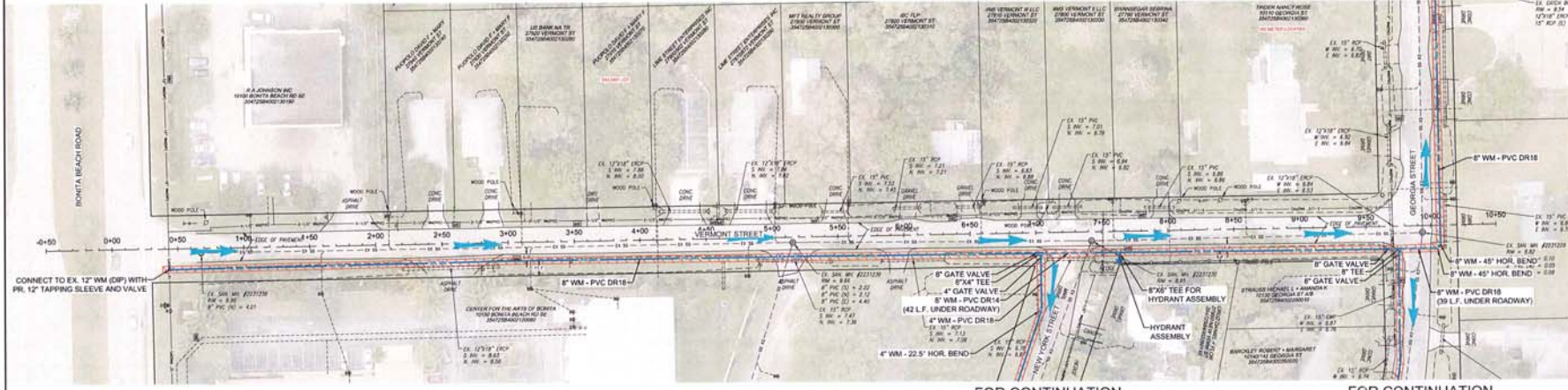
DATE: MAY 5, 2017
PROJECT NO: 20160054-000
FILE NO: 34 & 35-47-25
SCALE: AS SHOWN

Vermont Street Plan & Profile
Sta. 0+50 to 10+50

SHEET NUMBER
13

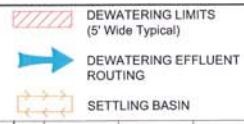


FOR CONTINUATION
SEE SHEET 18

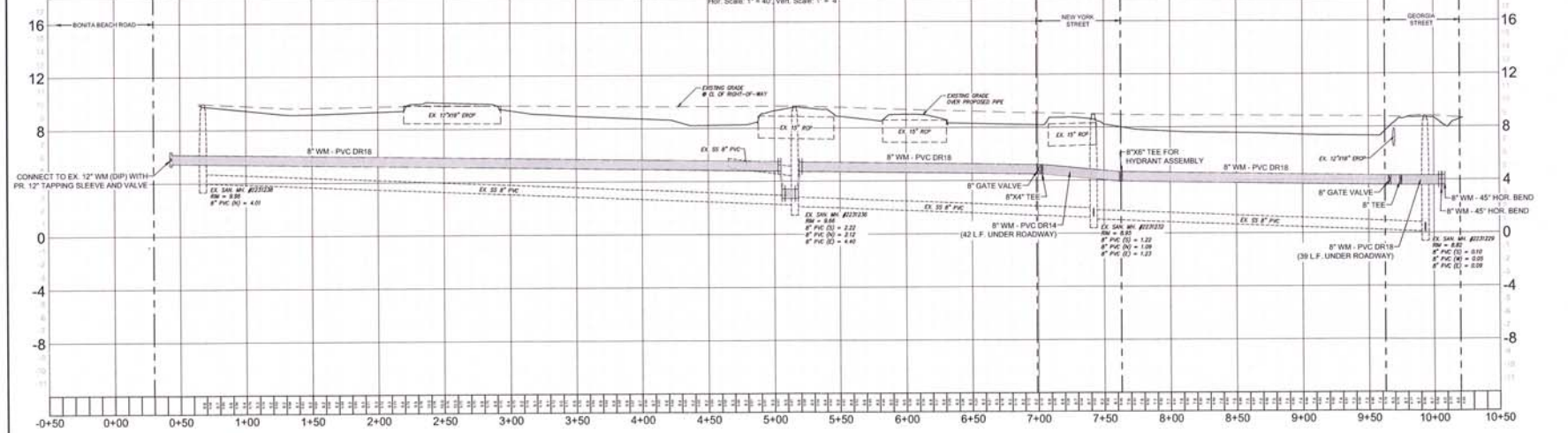


FOR CONTINUATION
SEE SHEET 17

FOR CONTINUATION
SEE SHEET 19



Profile View of Vermont Street (Sta: -0+50 to Sta: 10+50)



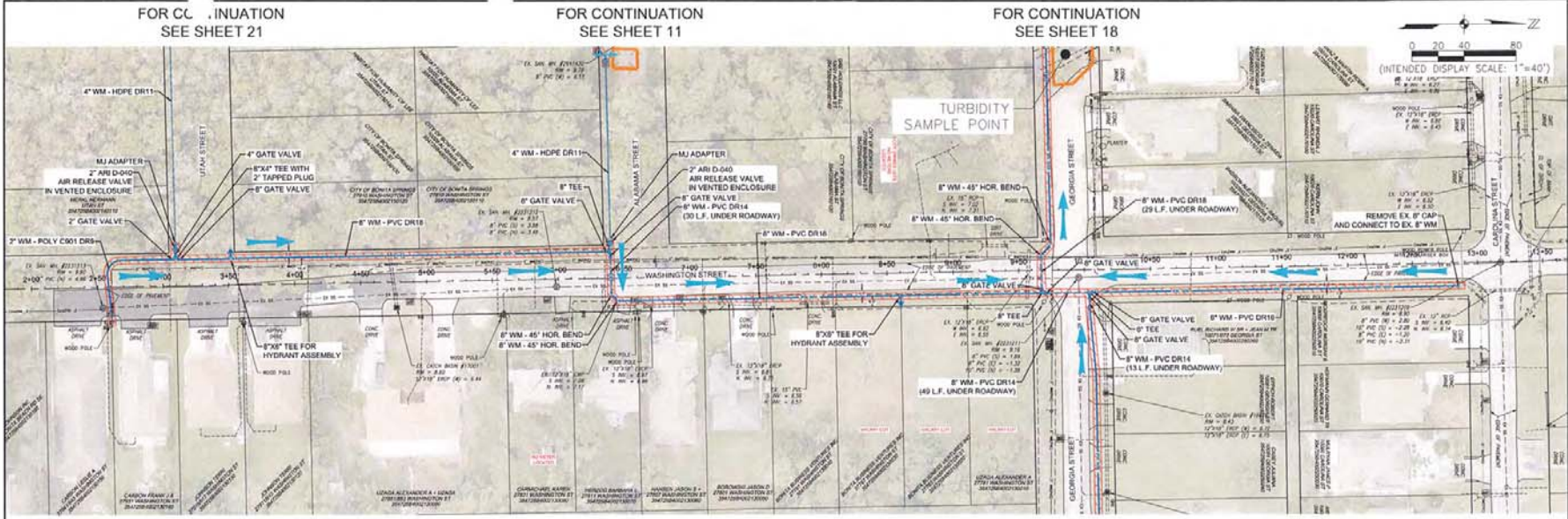
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NO.	REVISIONS	DATE

DATE: MAY 5, 2017
PROJECT NO. 20160054.000
FILE NO. 34 & 35-47-25
SCALE: AS SHOWN

Washington Street Plan & Profile Sta. 2+00 to 13+50

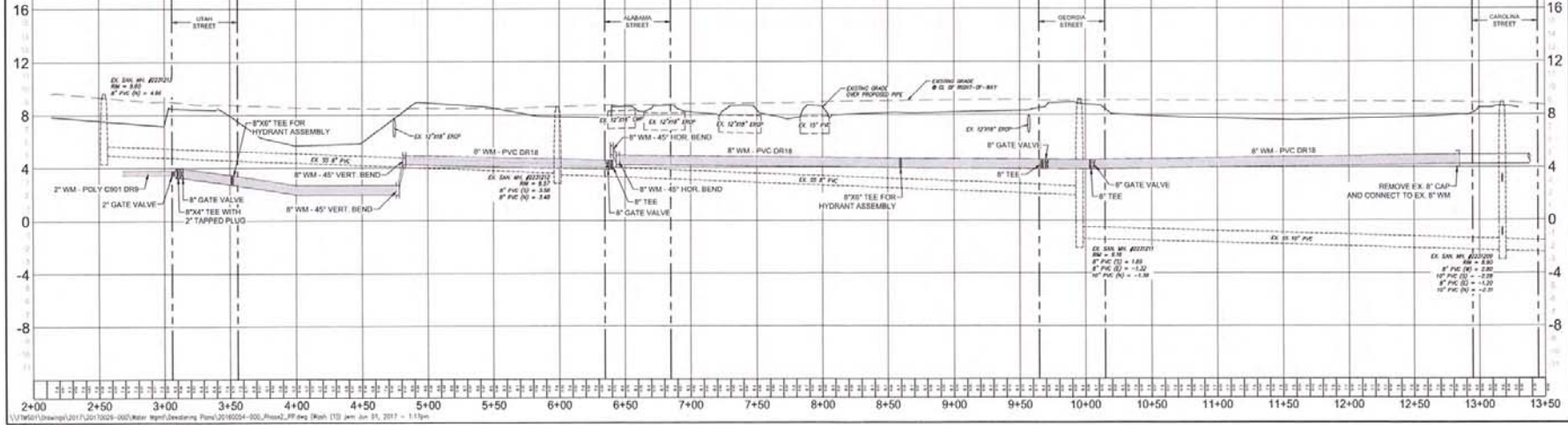
SHEET NUMBER
14



FOR CONTINUATION SEE SHEET 18



Profile View of Washington Street (Sta: 2+00 to Sta: 13+50)



Horizontal Scale: 1" = 40'; Vertical Scale: 1" = 4'

FOR CONTINUATION
SEE SHEET 21

FOR CONTINUATION
SEE SHEET 11

FOR CONTINUATION
SEE SHEET 18

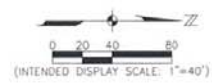
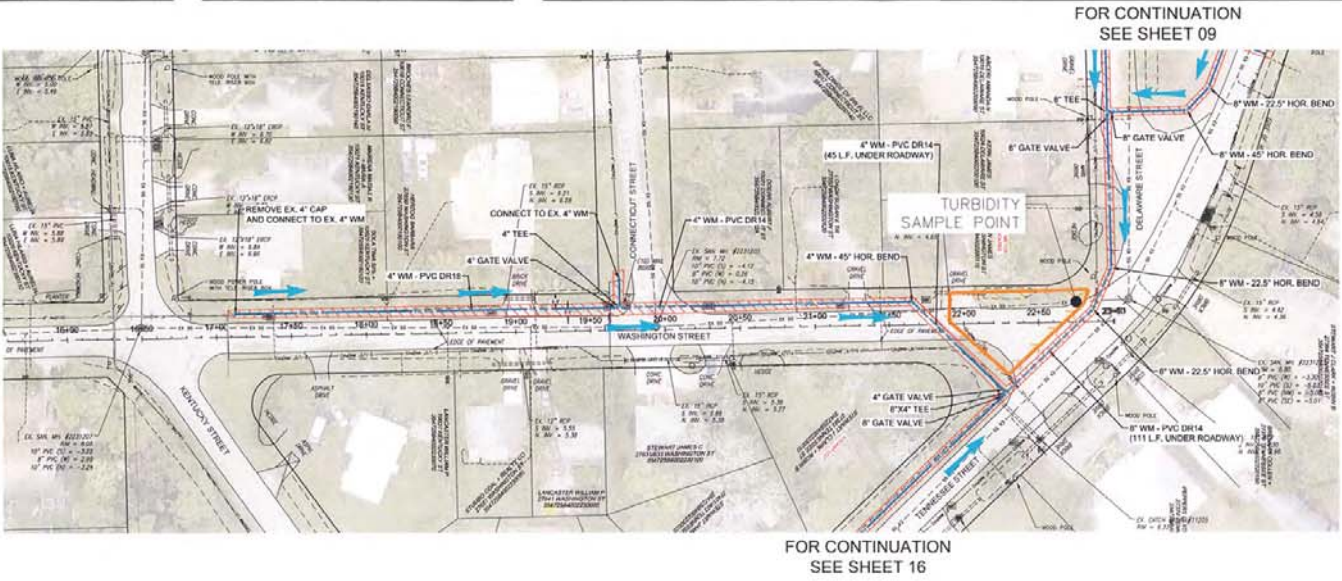
FOR CONTINUATION
SEE SHEET 18

NO.	REVISIONS DESCRIPTION	DATE

DATE: MAY 5, 2017
 PROJECT NO: 20160054-000
 FILE NO: 34 & 35-47-35
 SCALE: AS SHOWN

Washington Street Plan & Profile Sta. 16+00 to 23+00

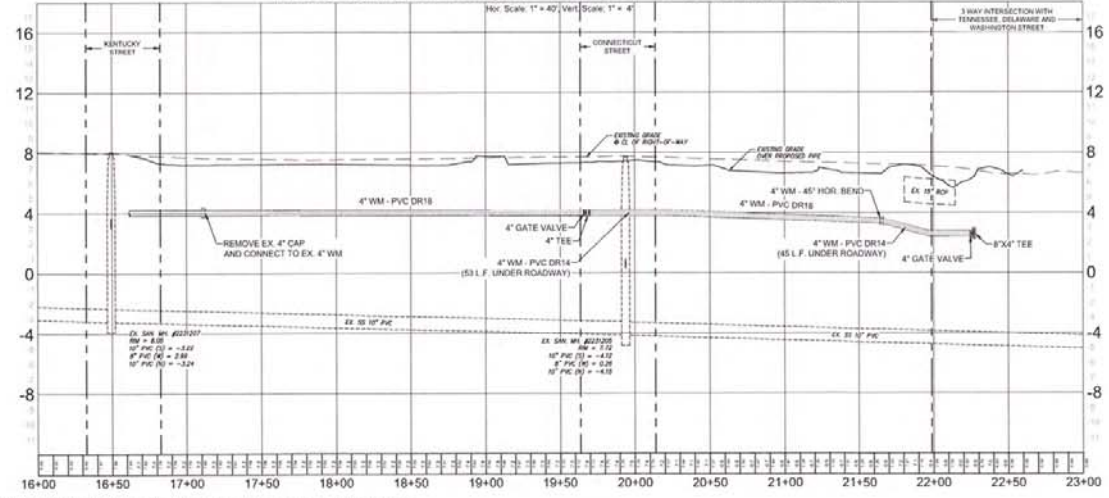
SHEET NUMBER
15



- DEWATERING LIMITS (5' Wide Typical)
- DEWATERING EFFLUENT ROUTING
- SETTLING BASIN

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Profile View of Washington Street (Sta: 16+00 to Sta: 23+00)



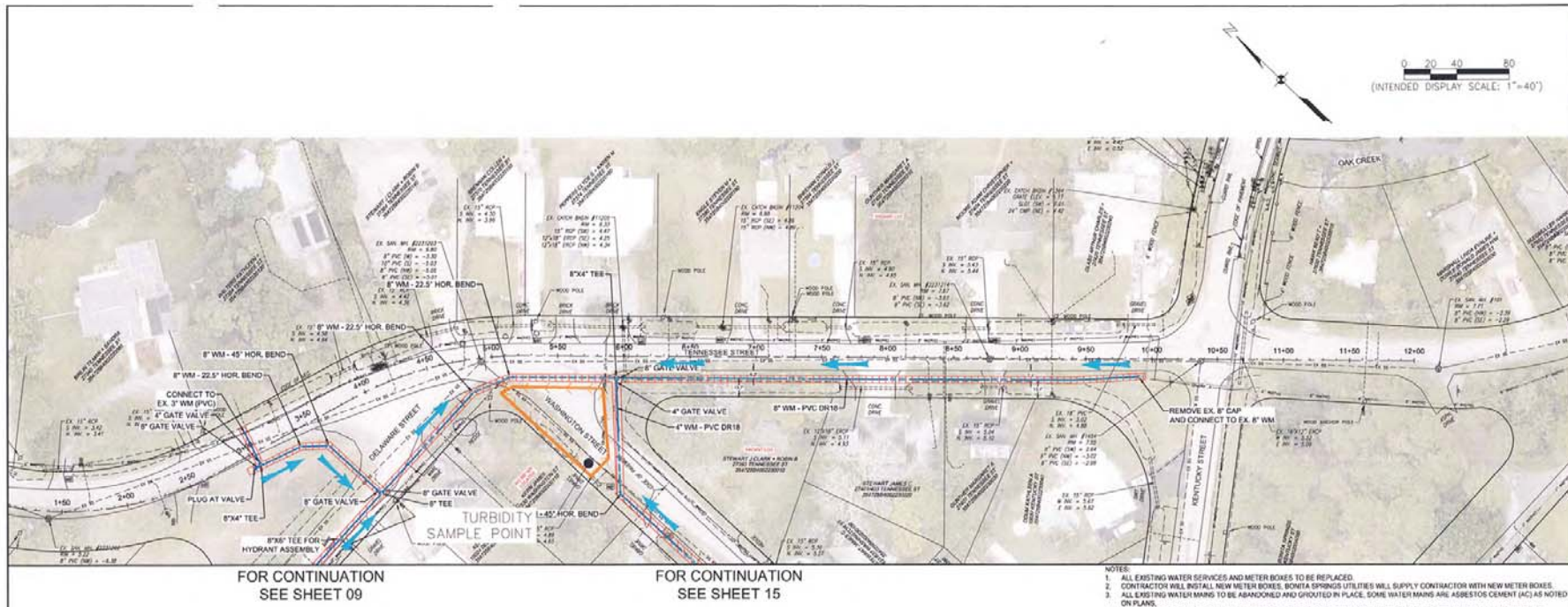
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NO.	DATE	DESCRIPTION

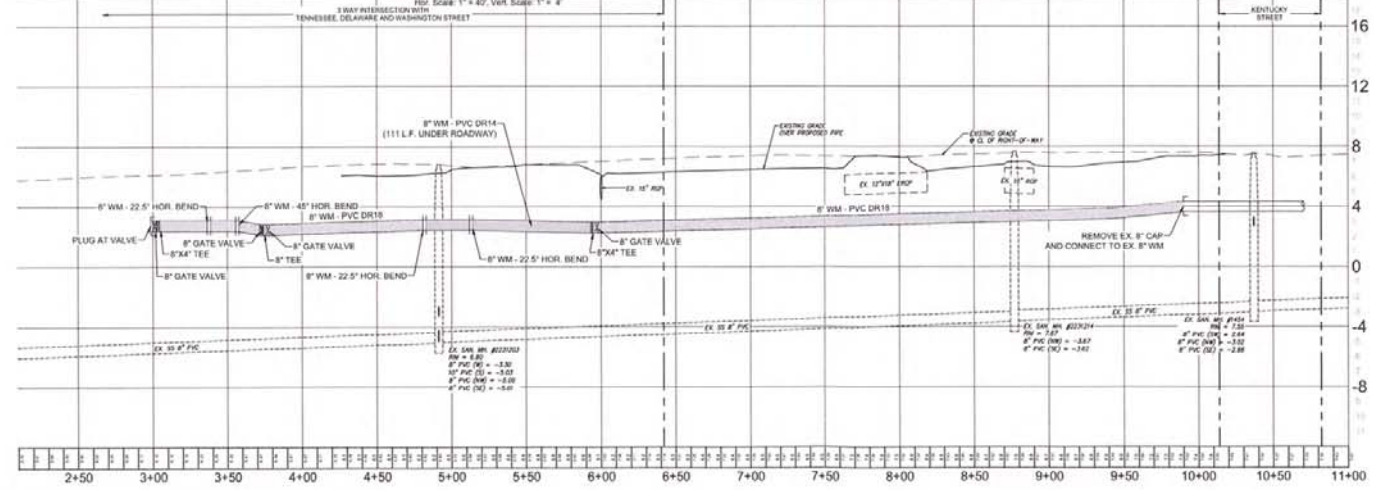
DATE: MAY 5, 2017
 PROJECT NO: 20160004-000
 FILE NO: 34 & 35-47-25
 SCALE: AS SHOWN

Tennessee Street Plan &
 Profile Sta. 2+50 to 11+00

SHEET NUMBER
16



Profile View of Tennessee Street (Sta: -0+50 to Sta: 11+00)



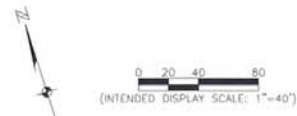
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NO.	DATE	REVISIONS

DATE: MAY 5, 2017
PROJECT NO: 20160054-000
FILE NO: 34 & 35-47-25
SCALE: AS SHOWN

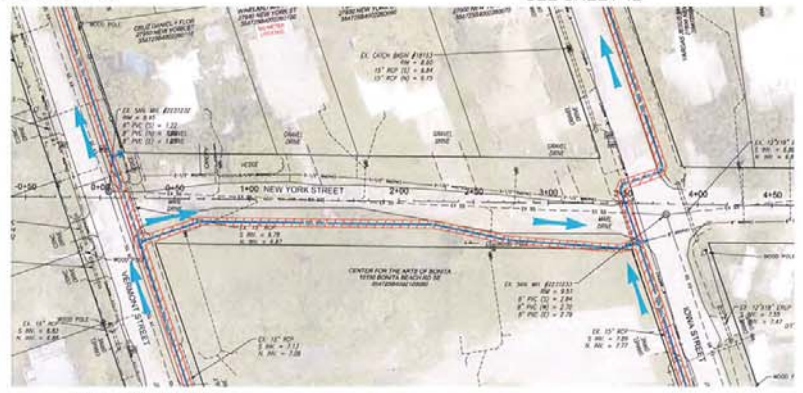
New York Street Plan & Profile
Sta. -0+50 to 4+50 &
Sta. 10+00 to 14+50

SHEET NUMBER
17

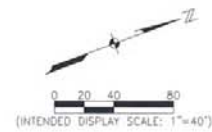


FOR CONTINUATION
SEE SHEET 13

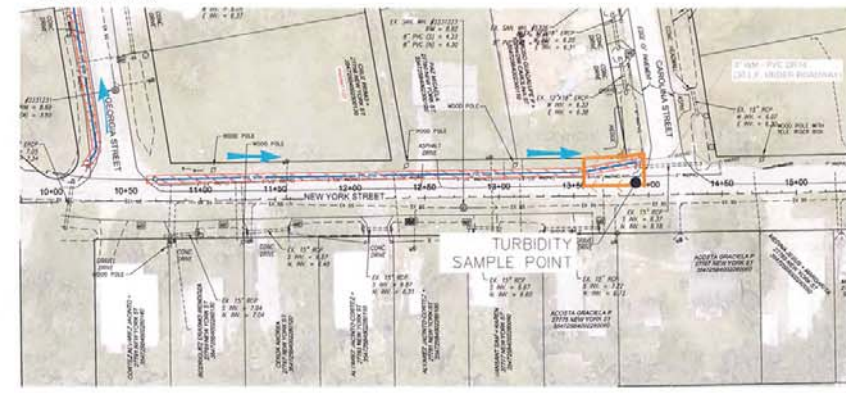
FOR CONTINUATION
SEE SHEET 12



FOR CONTINUATION
SEE SHEET 13

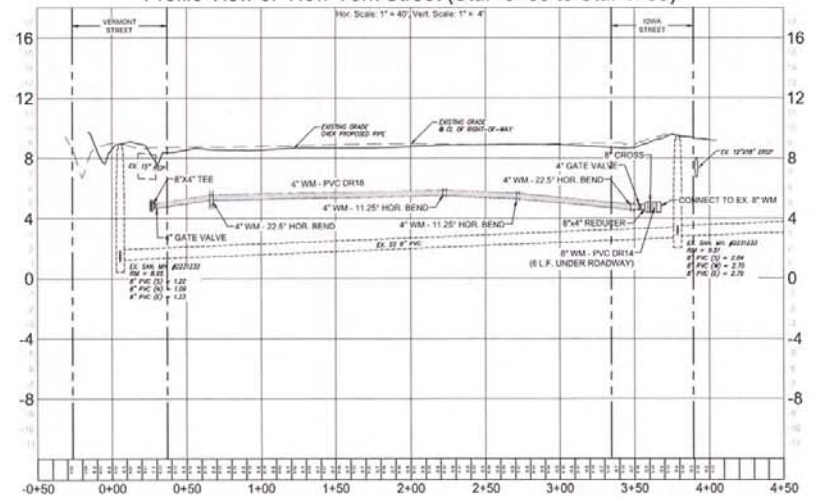


FOR CONTINUATION
SEE SHEET 19

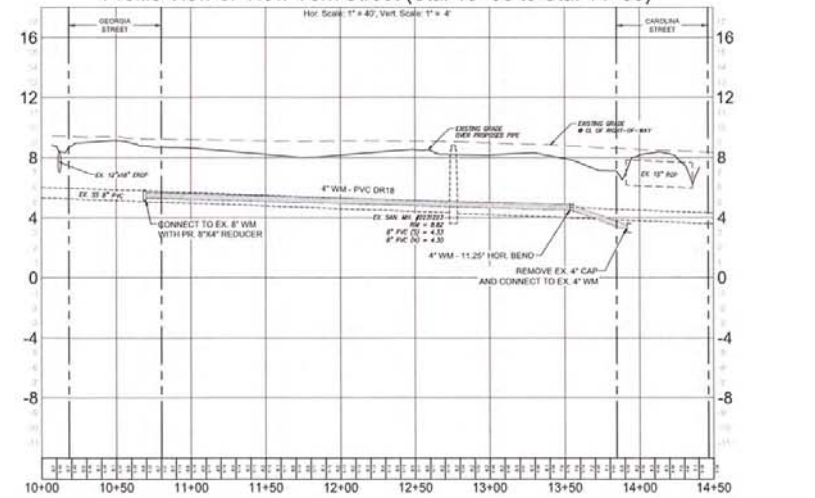


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Profile View of New York Street (Sta: -0+50 to Sta: 4+50)



Profile View of New York Street (Sta: 10+00 to Sta: 14+50)



\\176021\Drawings\2017\20170029-000\Water_Ngpt\Drawings_Plan\20160054-000_Plan2_PP.dwg (1) [13] Jun 01, 2017 - 1:43pm

NO.	DATE	REVISIONS

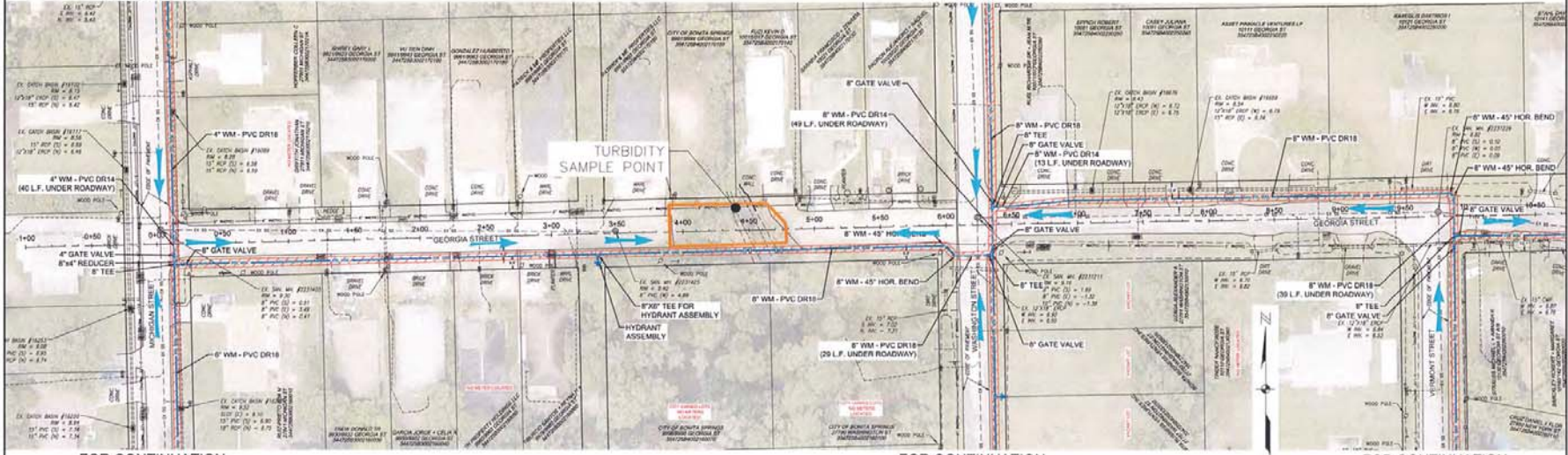
DATE: MAY 8, 2017
 PROJECT NO: 20160054-000
 FILE NO: 34 & 35-17-25
 SCALE: AS SHOWN

Georgia Street Plan & Profile
 Sta. -0+50 to 10+50

SHEET NUMBER
18

FOR CONTINUATION
 SEE SHEET 06

FOR CONTINUATION
 SEE SHEET 14



FOR CONTINUATION
 SEE SHEET 06

FOR CONTINUATION
 SEE SHEET 14

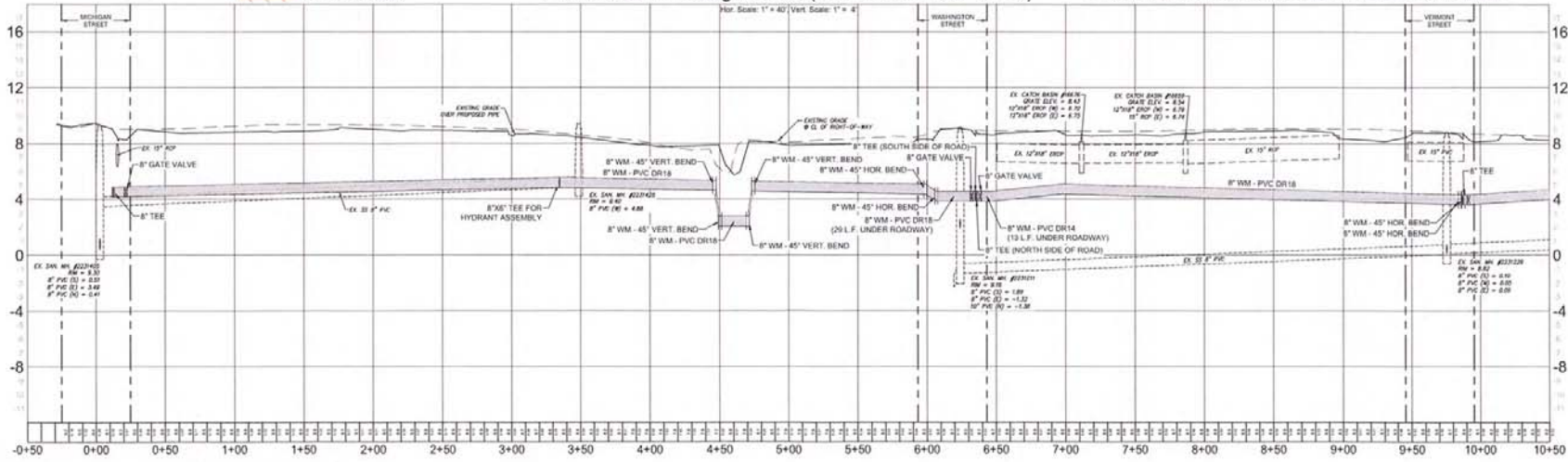
FOR CONTINUATION
 SEE SHEET 13

(INTENDED DISPLAY SCALE: 1"=40')

- DEWATERING LIMITS (5' Wide Typical)
- DEWATERING EFFLUENT ROUTING
- SETTLING BASIN

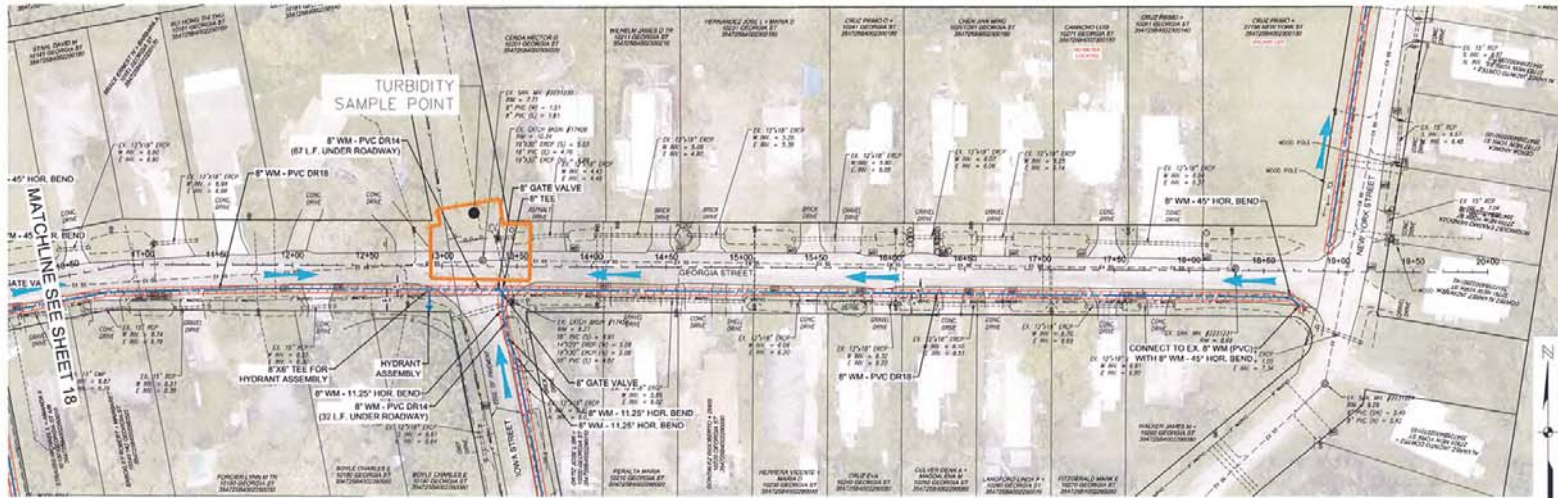
Profile View of Georgia Street (Sta: -0+50 to Sta: 10+50)

- NOTES:
1. ALL EXISTING WATER SERVICES AND METER BOXES TO BE REPLACED.
 2. CONTRACTOR WILL INSTALL NEW METER BOXES. BONITA SPRINGS UTILITIES WILL SUPPLY CONTRACTOR WITH NEW METER BOXES.
 3. ALL EXISTING WATER MAINS TO BE ABANDONED AND GROUTED IN PLACE. SOME WATER MAINS ARE ASBESTOS CEMENT (AC) AS NOTED ON PLANS.
 4. CONTRACTOR TO PAY SPECIAL ATTENTION TO BRICK OR STONE PAVEMENT DRIVEWAYS AND RE-USE EXISTING MATERIALS AND USE FLOWABLE FILL TO PREVENT SETTLEMENT.
 5. CONTRACTOR TO LOCATE EXISTING SEWER SERVICES AND USE FITTINGS AS REQUIRED TO AVOID CONFLICTS.
 6. DRIVEWAYS TO BE REPLACED FROM EDGE OF ROADWAY UP TO THE CLOSEST UNDISTURBED SECTION OR JOINT AND OR UP TO THE RIGHT OF WAY AT A MAXIMUM.
 7. PROPOSED WATER MAIN TO HAVE 30" OF COVER UNDER ROADWAY AND 30" MINIMUM COVER OUTSIDE OF ROADWAY.






L:\Projects\Drawings\317\31701028-000\Asst\Drawings\Plan\20160054-000_Plan2_P1.dwg (Rev. 11) Jan 26, 2017 - 1:52pm

FOR CONTINUATION
SEE SHEET 17

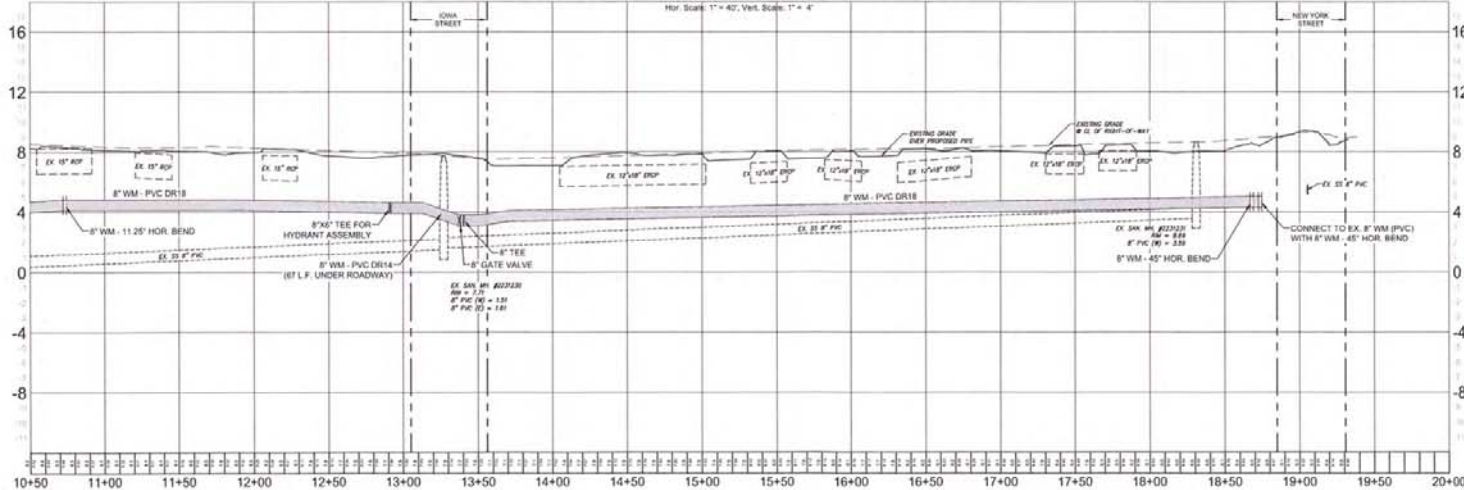


FOR CONTINUATION
SEE SHEET 12

-  DEWATERING LIMITS
(5' Wide Typical)
-  DEWATERING EFFLUENT
ROUTING
-  SETTLING BASIN

- NOTES:
1. ALL EXISTING WATER SERVICES AND METER BOXES TO BE REPLACED.
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 7. PROPOSED WATER MAIN TO HAVE 36" OF COVER UNDER ROADWAY AND 30" MINIMUM COVER OUTSIDE OF ROADWAY.

Profile View of Georgia Street (Sta: 10+50 to Sta: 20+00)



NO.	REVISIONS	DATE

DATE: MAY 5, 2017
PROJECT NO: 20160054-000
FILE NO: 34 & 35-47-25
SCALE: AS SHOWN

Georgia Street Plan & Profile
Sta_10+50_to_20+00

SHEET NUMBER

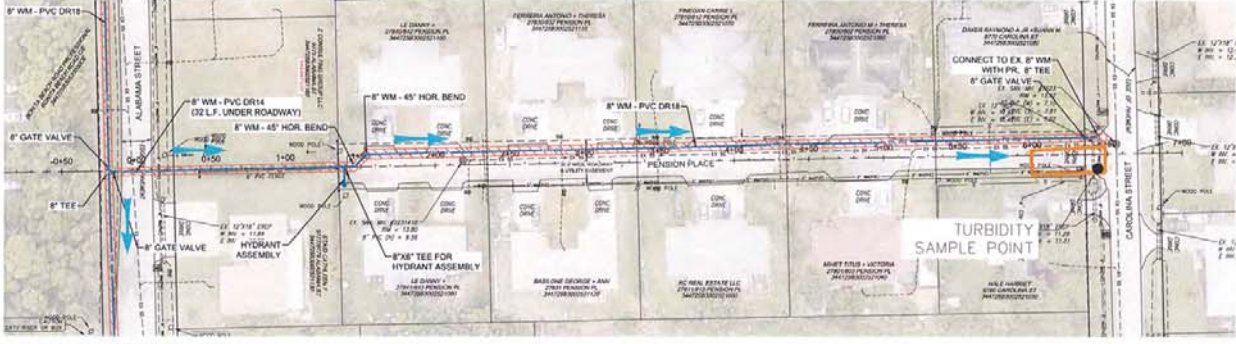
NO.	REVISIONS	DATE

DATE: MAY 5, 2017
 PROJECT NO. 20160084-000
 FILE NO. 34 & 35-47-25
 SCALE: AS SHOWN

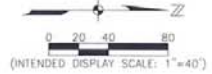
Pension Place Plan & Profile
 Sta. 0+50 to 7+00

SHEET NUMBER
20

FOR CONTINUATION
 SEE SHEET 11

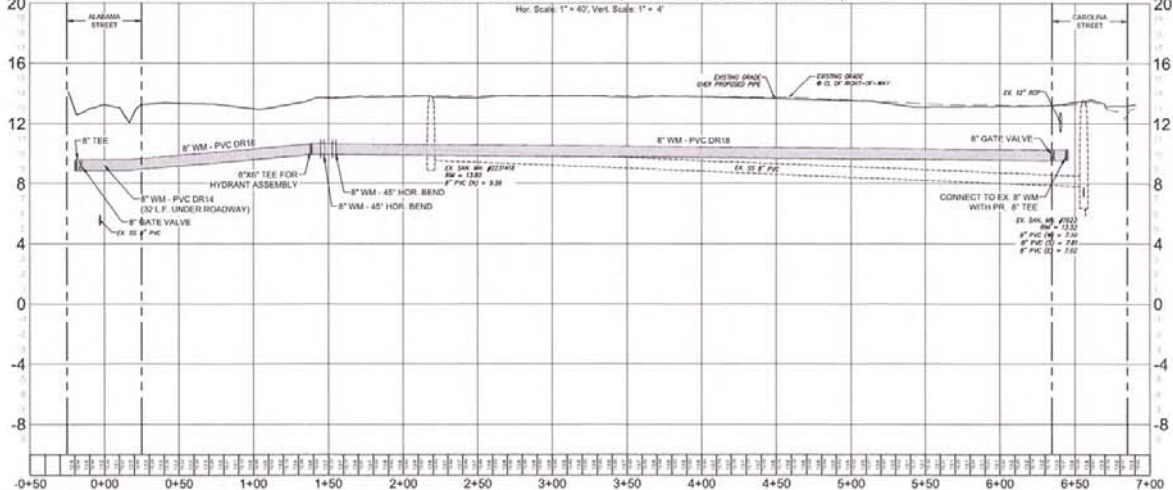


FOR CONTINUATION
 SEE SHEET 11



- DEWATERING LIMITS (5' Wide Typical)
- DEWATERING EFFLUENT ROUTING
- SETTLING BASIN

Profile View of Pension Place (Sta: -0+50 to Sta: 7+00)



- NOTES:
1. ALL EXISTING WATER SERVICES AND METER BOXES TO BE REPLACED.
 2. CONTRACTOR WILL INSTALL NEW METER BOXES. BONITA SPRINGS UTILITIES WILL SUPPLY CONTRACTOR WITH NEW METER BOXES.
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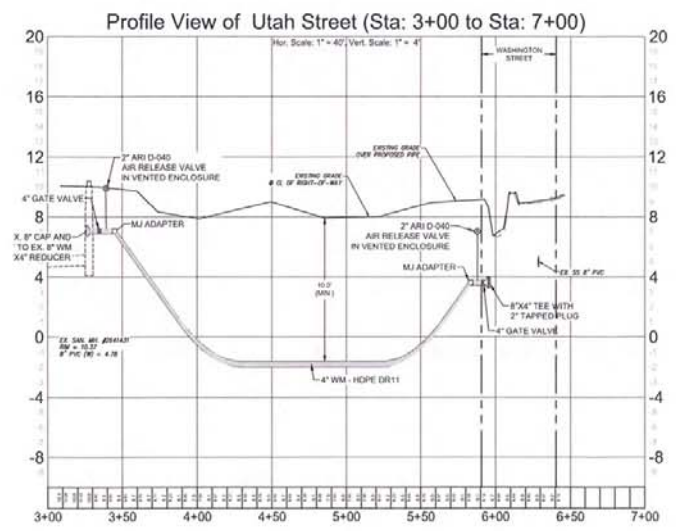
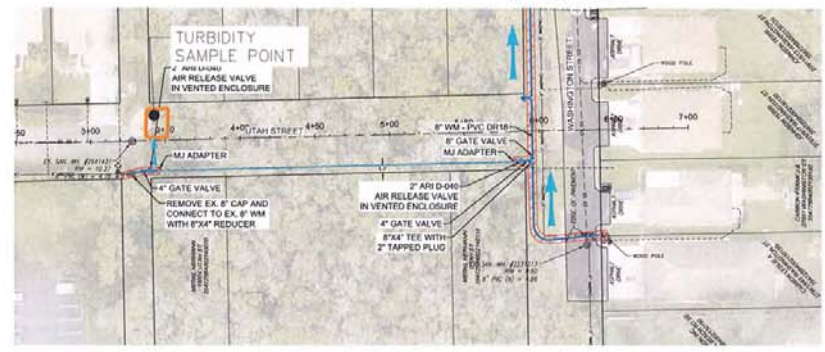
NO.	REVISIONS	DATE

DATE: MAY 5, 2017
 PROJECT NO.: 20160054.000
 FILE NO.: 34 & 35-47-25
 SCALE: AS SHOWN

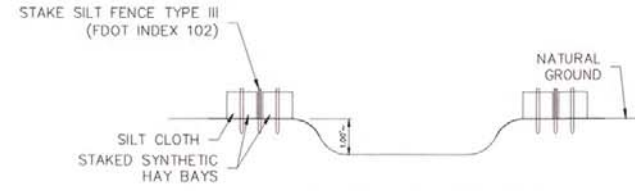
Utah Street Plan & Profile
 Sta. 3+00 to 7+00

SHEET NUMBER
21

FOR CONTINUATION
 SEE SHEET 14



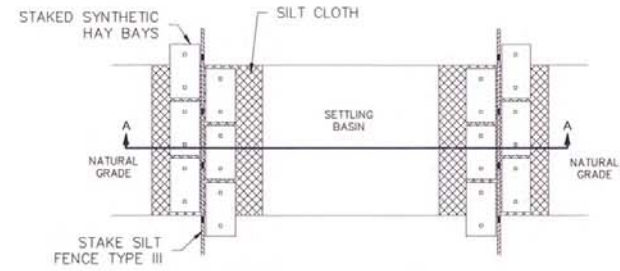
- NOTES:
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 7. PROPOSED WATER MAIN TO HAVE 30" OF COVER UNDER ROADWAY AND 30" MINIMUM COVER OUTSIDE OF ROADWAY.



PARTICULATE SETTLING BASIN

CROSS SECTION A-A

N.T.S.

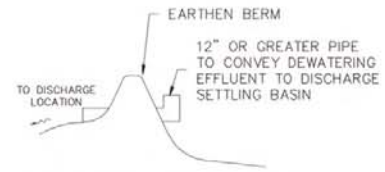


PARTICULATE SETTLING BASIN

PLAN VIEW

N.T.S.

NOTE:
ALL EROSION CONTROL DEVICES SHALL
BE INSTALLED IN ACCORDANCE WITH THE
STATE OF FLORIDA EROSION CONTROL
AND SEDIMENT CONTROL MANUAL PRIOR
TO BEGINNING OF WORK.



**SIDE OF SETTLING BASIN
CLOSEST TO DISCHARGE LOCATION**

N.T.S.

NO.	REVISIONS DESCRIPTION	DATE

DATE: MAY 2017
PROJECT NO. 20170029-000
FILE NO. 34 & 35-47-35
SCALE: AS SHOWN

Phase 1 Utility Improvement

Utility	LF	LF/day	Dewatering Depth (ft)	Hydraulic Conductivity (ft/d)	Water in Excavation Area (MG) [%]	Flow per Day (MGD)	Estimated Days to Construct	Total Flow (MG)
Potable	75,000	100	5	100	2.81	0.08	750	61.7

BSU WTP Expansion Project

Utility	LF	LF/day*	Dewatering Depth (ft)	Hydraulic Conductivity (ft/d)	Water in Excavation Area (MG) [%]	Flow per Day (MGD)	Estimated Days to Construct	Total Flow (MG)
Raw Water Line (Imperial Pkwy)	1,460	16	12	100	0.58	0.07	90	6.7
Raw Water Line (Red Hibiscus Dr.)	1,350	15	8	100	0.29	0.04	90	3.8

* LF/day based on total estimated time of 180 days to complete 2,810 LF of pipe installation

Cell	Cell Acreage	Cell Perimeter (feet)	Dewatering Depth (ft)	Hydraulic Conductivity (ft/d)	Water in Excavation Area (MG) [%]	Flow per Day (MGD)	Estimated Days to Construct	Total Flow (MG)
Sand Strainer	0.028	190	6	100	0.011	0.09	90	7.7
Raw Water Blending Pad	0.002	66	7	100	0.001	0.03	90	3.1
Well 39 Retaining Wall	0.060	296	13	100	0.051	0.29	30	8.7

Future Work

Cell	Cell Acreage	Cell Perimeter (feet)	Dewatering Depth (ft)	Hydraulic Conductivity (ft/d)	Water in Excavation Area (MG) [%]	Flow per Day (MGD)	Estimated Days to Construct	Total Flow (MG)
Sewer Lift Station	0.014	100	25	1000	0.023	1.87	10	18.7

Max Day Pumpage:	2.84	(maximum sum of Flow per Day & Water in Excavation Area per day values above table multiplied by 1.5)
Total Pumpage:	152.69	(total of Flow per Day x Days to Construct & Water in Excavation Area values above table multiplied by 1.5)

% Does not account for side-slopes. Actual excavated volume will be less.

Expected Project withdrawals:

Max. Month: 300 MG and Annually: 2,500 MG

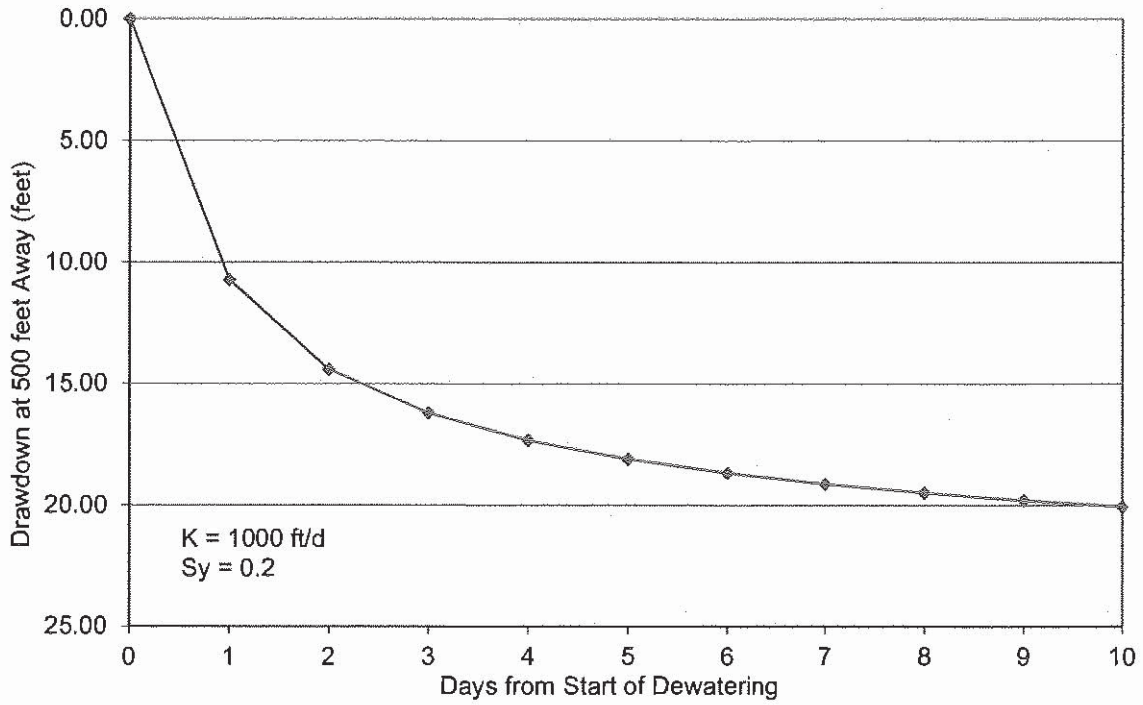
APPLICATION NUMBER

170609-18th

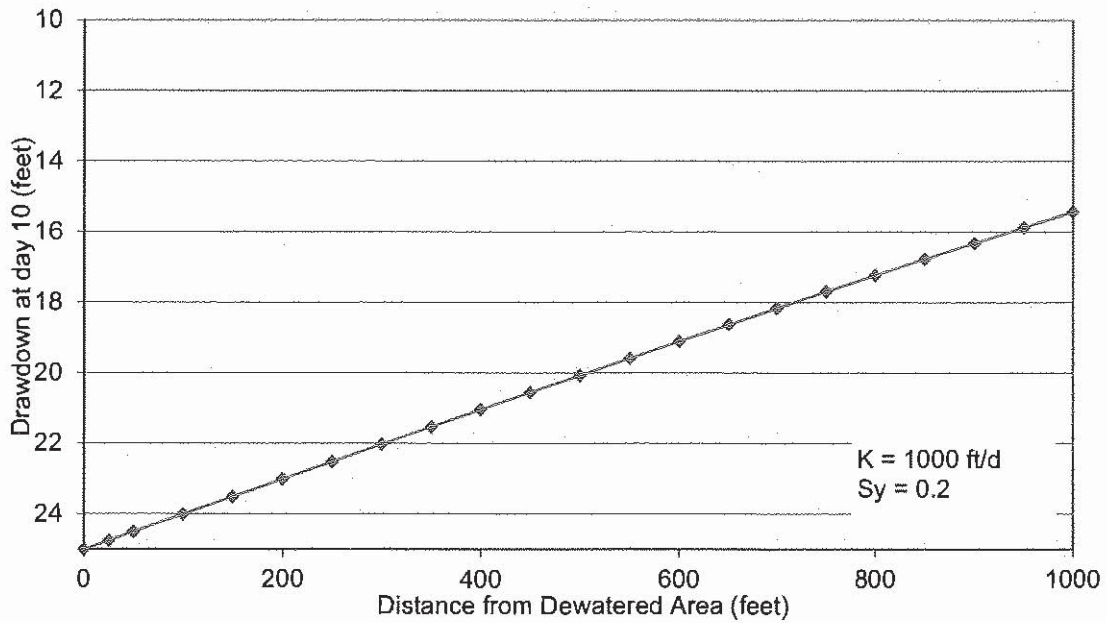
Table 1. BSU Construction Project Timeline

Project Name	Major Milestone	Estimated Start Date	Estimated End Date
Potable Water Main Repair and Replacement	Priority Phase 1	Oct-17	Dec-20
	Priority Phase 2	Jan-21	Dec-24
	Priority Phase 3	Jan-25	Dec-27
Wastewater Sytem Repair and Replacement	Priority Phase 1	Jun-18	Jun-20
	Priority Phase 2	Jan-21	Dec-23
	Priority Phase 3	Jan-24	Dec-26
2MGD BSU WTP Expansion	WTP Construction	Jul-17	Apr-18
	Wellsite Construction	Jul-17	Sep-18
	Raw Water Pipeline	Jul-17	Feb-18
5MGD BSU WTP Expansion	WTP Construction	Jan-21	Dec-22
	Wellsite Construction	Jan-21	Dec-22
	Raw Water Pipeline	Jan-21	Dec-22

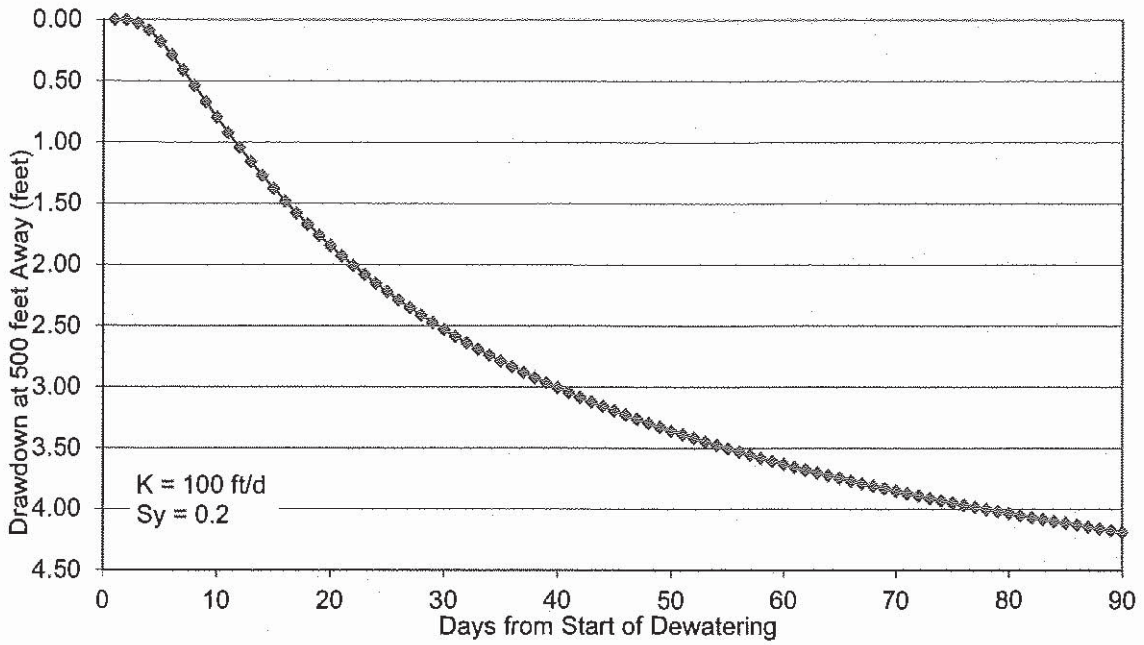
Drawdown at 500 feet from Lift Station Dewatered to 25 Feet



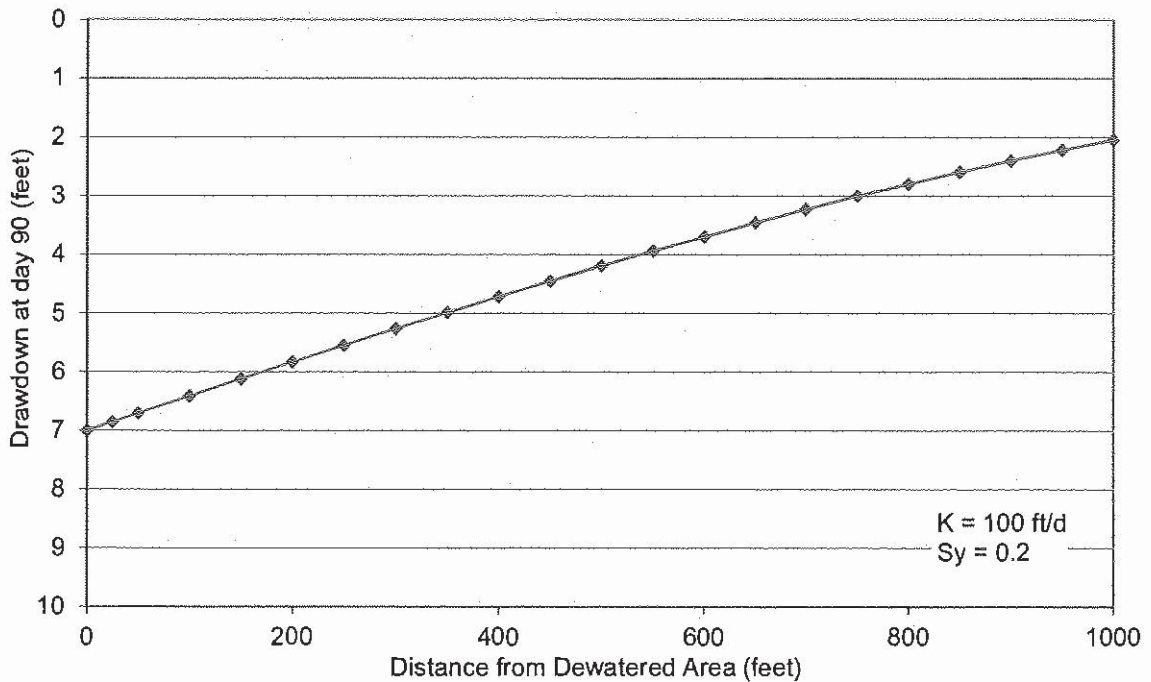
Drawdown with Distance at Day 10 Due to Lift Station Installation Dewatering to 25 Feet



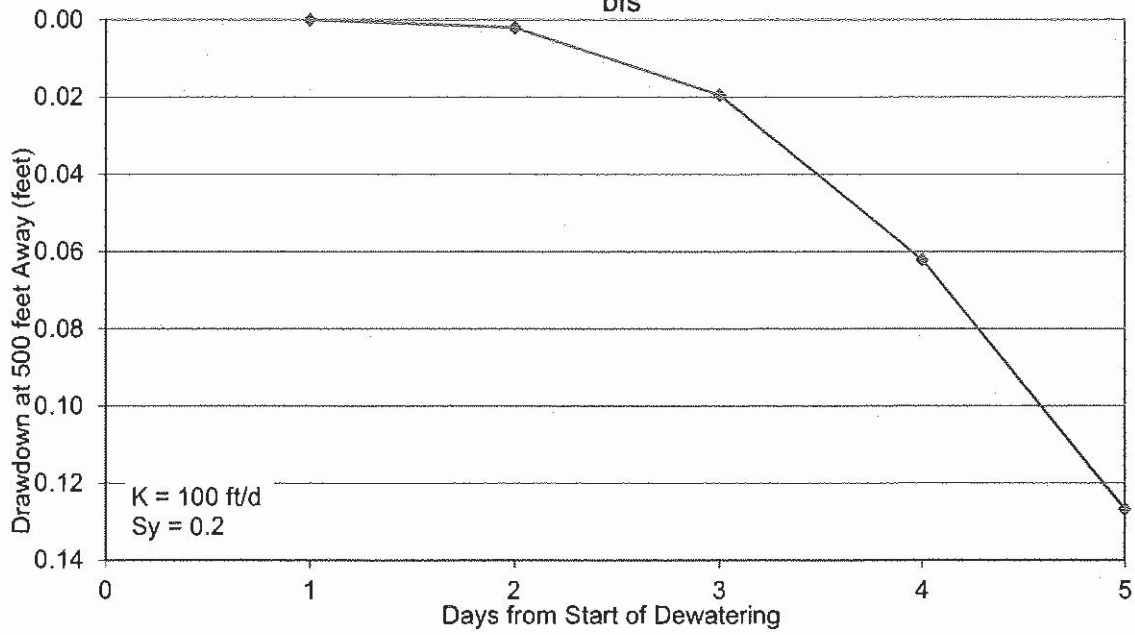
Drawdown at 500 feet from Sand Strainer Dewatered to 7 feet bls



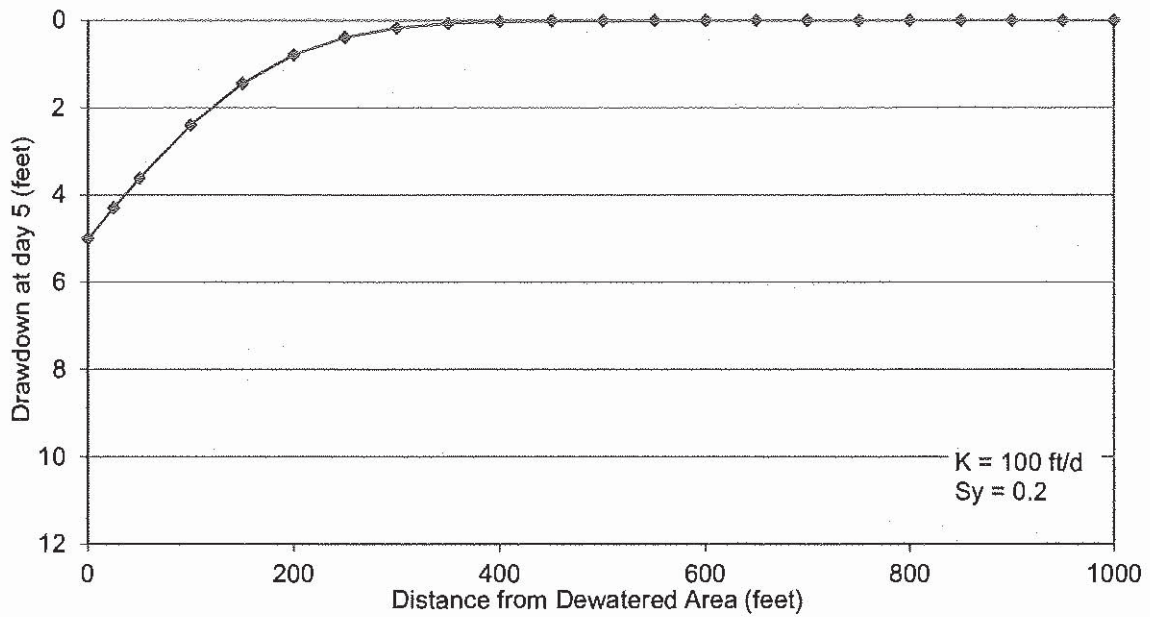
Drawdown with Distance at Day 90 Due to Sand Strainer Installation Dewatering to 7 Feet BLS



Drawdown at 500 feet from Raw Water Pipeline Dewatered to 12 feet bls



Drawdown with Distance at Day 2 Due to Raw Water Pipeline Installation Dewatering to 12 Feet BLS



Bonita Springs Utilities Master Dewatering Turbidity Monitoring Plan

Turbidity expressed in nephelometric turbidity units (NTU).

Background samples shall be taken from any water body to which dewatering effluent will be discharged prior to the start of dewatering.

Samples shall be collected downstream of the dewatering effluent discharge locations while off-site discharge of dewatering effluent is occurring. See dewatering plan set for proposed discharge locations.

Samples shall be taken daily, during times when off-site discharge of dewatering effluent, as authorized by the SFWMD permit, is occurring.

Monitoring shall begin on the first day of dewatering during which off-site discharge occurs. Monitoring shall cease when all dewatering activities are completed or off-site discharge stops. The sampling locations will be identified each day of sampling. The monitoring data must demonstrate that turbidity downstream of all dewatering effluent discharge points is less than or equal to 29 NTUs above natural background turbidity (or meets OFW standards). If turbidity standards are not met, discharge of dewatering effluent will cease, and the dewatering plan and/or turbidity control measures will be revised such that turbidity standards are met.

All monitoring data shall be maintained on site and be available to SFWMD staff during regular business hours. This data shall include:

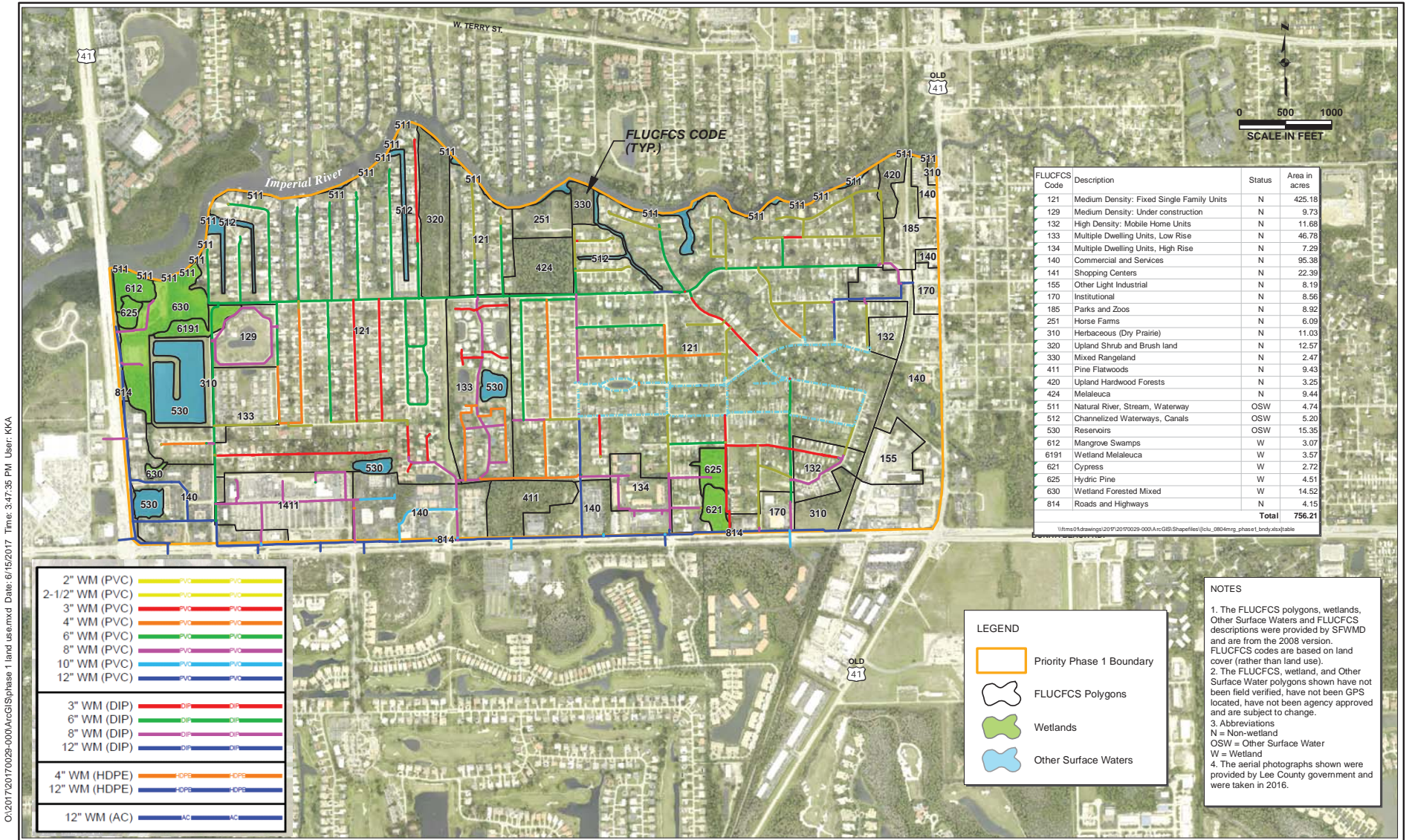
(1) permit and application number; (2) dates of sampling and analysis; (3) a statement describing the methods used in collection, handling, storage and analysis of the samples; (4) a map indicating the sampling locations and (5) a statement by the individual responsible for implementation of the sampling program concerning the authenticity, precision, limits of detection and accuracy of the data.

Monitoring reports shall be submitted to the District upon request. The monitoring reports shall also include the following information for each sample that is taken:

- (a) time of day samples taken;
- (b) depth of water body;
- (c) depth of samples;
- (d) antecedent weather conditions
- (e) wind direction and velocity.
- (f) direction of flow

APPLICATION NUMBER

17 0 6 0 9 - 1 8 ND



FLUCFCS Code	Description	Status	Area in acres
121	Medium Density: Fixed Single Family Units	N	425.18
129	Medium Density: Under construction	N	9.73
132	High Density: Mobile Home Units	N	11.68
133	Multiple Dwelling Units, Low Rise	N	46.78
134	Multiple Dwelling Units, High Rise	N	7.29
140	Commercial and Services	N	95.38
141	Shopping Centers	N	22.39
155	Other Light Industrial	N	8.19
170	Institutional	N	8.56
185	Parks and Zoos	N	8.92
251	Horse Farms	N	6.09
310	Herbaceous (Dry Prairie)	N	11.03
320	Upland Shrub and Brush land	N	12.57
330	Mixed Rangeland	N	2.47
411	Pine Flatwoods	N	9.43
420	Upland Hardwood Forests	N	3.25
424	Melaleuca	N	9.44
511	Natural River, Stream, Waterway	OSW	4.74
512	Channelized Waterways, Canals	OSW	5.20
530	Reservoirs	OSW	15.35
612	Mangrove Swamps	W	3.07
6191	Wetland Melaleuca	W	3.57
621	Cypress	W	2.72
625	Hydric Pine	W	4.51
630	Wetland Forested Mixed	W	14.52
814	Roads and Highways	N	4.15
Total			756.21

2" WM (PVC)	2" PVC	2" PVC
2-1/2" WM (PVC)	2-1/2" PVC	2-1/2" PVC
3" WM (PVC)	3" PVC	3" PVC
4" WM (PVC)	4" PVC	4" PVC
6" WM (PVC)	6" PVC	6" PVC
8" WM (PVC)	8" PVC	8" PVC
10" WM (PVC)	10" PVC	10" PVC
12" WM (PVC)	12" PVC	12" PVC
3" WM (DIP)	3" DIP	3" DIP
6" WM (DIP)	6" DIP	6" DIP
8" WM (DIP)	8" DIP	8" DIP
12" WM (DIP)	12" DIP	12" DIP
4" WM (HDPE)	4" HDPE	4" HDPE
12" WM (HDPE)	12" HDPE	12" HDPE
12" WM (AC)	12" AC	12" AC

LEGEND

- Priority Phase 1 Boundary
- FLUCFCS Polygons
- Wetlands
- Other Surface Waters

NOTES

- The FLUCFCS polygons, wetlands, Other Surface Waters and FLUCFCS descriptions were provided by SFWMD and are from the 2008 version. FLUCFCS codes are based on land cover (rather than land use).
- The FLUCFCS, wetland, and Other Surface Water polygons shown have not been field verified, have not been GPS located, have not been agency approved and are subject to change.
- Abbreviations
N = Non-wetland
OSW = Other Surface Water
W = Wetland
- The aerial photographs shown were provided by Lee County government and were taken in 2016.

C:\2017\20170029-000\ArcGIS\phase 1 land use.mxd Date: 6/15/2017 Time: 3:47:35 PM User: KKA

Bonita Springs Utilities
Lee County, Florida



JOHNSON ENGINEERING, INC.
2122 JOHNSON STREET
P.O. BOX 1550
FORT MYERS, FLORIDA 33902-1550
PHONE (239) 334-0046
FAX (239) 334-3661
E.B. #642 & L.B. #642

Land Cover within Priority Phase 1

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
May 2017	20170029-000	-	As Shown	Figure 3

Requirement by Permit Condition Report

App No: 170609-18

Permit No: 36-08832-W

Project Name: BONITA SPRINGS UTILITIES MASTER DEWATERING

Permit Condition No:	13	Permit Condition Code:	<u>WUDWT002-6</u>		
Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date	
PERMIT	Turbidity for Bonita Springs Utilities (background)	Daily	Data Held On Site	01-OCT-2017	
PERMIT	Turbidity for Bonita Springs Utilities (discharge point)	Daily	Data Held On Site	01-OCT-2017	
Permit Condition No:	19	Permit Condition Code:	<u>WUDWT014-1</u>		
Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date	
PERMIT	Dewatering Commencement Notification for BONITA SPRINGS UTILITIES MASTER DEWATER	One time Only	One time Only	01-OCT-2017	
Permit Condition No:	20	Permit Condition Code:	<u>WUDWT018-1</u>		
Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date	
PERMIT	Site-specific plans for for BONITA SPRINGS UTILITIES	One time Only	One time Only	31-AUG-2017	

STAFF REPORT DISTRIBUTION LIST

BONITA SPRINGS UTILITIES MASTER DEWATERING

Application No: 170609-18

Permit No: 36-08832-W

INTERNAL DISTRIBUTION

- X Maska, Nexhip
- X Brosious, Matt

EXTERNAL DISTRIBUTION

- X Permittee - Bonita Springs Utilities Inc.
- X Agent - Johnson Engineering Inc.
- X Primary Compliance Contact - Kim Hoskins PE

GOVERNMENT AGENCIES

- X Div of Recreation and Park - District 4 FDEP

Exhibit No:13



FLORIDA DEPARTMENT OF Environmental Protection

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

South District
PO Box 2549
Fort Myers FL 33902-2549
SouthDistrict@FloridaDEP.gov

May 16, 2023

Bonita Springs Utilities
Kim Hoskins, Director
11860 East Terry Street
Bonita Springs, Florida, 34135
khoskins@bsu.us

Notice of Acceptance to Use a General Permit
Lee County
Permit Number 0050210-543 DWC/CG
Project: Lakes of San Souci Gravity Sewer
Expansion
Connected To: FLA014443 & FLA012343

Dear Ms. Hoskins,

This letter acknowledges receipt of your Notice of Intent to Use a General Permit for the Construction of a Wastewater Collection/Transmission System, pursuant to Rule 62-604.600, Florida Administrative Code, on April 26, 2023 (Notice).

The project includes construction of: 3824 LF 8" PVC gravity sewer, 14 manholes.

The Department does not object to your use of such a General Permit. The construction activities shall conform to the description contained in your Notice and any deviation may result in enforcement action and possible penalties. You have 5 years from the date of this letter to perform the work described in your Notice under this General Permit.

Please be advised that the attached requirements apply to your project for constructing a domestic wastewater/collection system pursuant to this General Permit.

Upon completion of construction of the project, and before placing the facilities into operation for any purpose other than testing for leaks or testing equipment operation, you shall submit [Form 62-604.300\(3\)\(b\)](#), Florida Administrative Code, (adopted October 4, 2021) to the Department's Business Portal at <https://www.fldepportal.com/DepPortal/go/submit-registration>.

Should you have any questions, please contact Jose Cano by telephone at (239)344-5671 or by email at Jose.Cano@FloridaDEP.gov

Sincerely,

A handwritten signature in blue ink that reads "Nolin Moon".

Nolin Moon
Environmental Administrator

Attachments:

Specific Requirements for the Use of the General Permit for Domestic Wastewater
Collection/Transmission Systems

0050210-543 DWC/CG

May 16, 2023

Page 2 of 2

cc::

D. Brent Addison, P.E., Banks Engineering, baddison@bankseng.com mknight@bankseng.com

REQUIREMENTS FOR USE OF THE GENERAL PERMIT FOR DOMESTIC WASTEWATER COLLECTION/TRANSMISSION SYSTEMS:

1. This general permit is subject to the general permit conditions of [Rule 62-4.540, Florida Administrative Code](#).
2. This general permit does not relieve the permittee of the responsibility for obtaining a dredge and fill permit where it is required [[62-604.600\(6\)\(b\), Florida Administrative Code](#)].
3. This general permit cannot be revised, except to transfer the permit [[62-604.600\(6\)\(b\), Florida Administrative Code](#)].
4. Abnormal events shall be reported to the Department's South District Office per Rule 62-604.550, F.A.C. For unauthorized spills of wastewater in excess of 1000 gallons per incident, or where information indicates that public health or the environment may be endangered, oral reports shall be provided to the STATE WARNING POINT TOLL FREE NUMBER (800) 320-0519 as soon as practical, but no later than 24 hours from the time the permittee or other designee becomes aware of the circumstances. Unauthorized releases or spills less than 1000 gallons per incident are to be reported orally to the Department's South District Office within 24 hours from the time the permittee, or other designee becomes aware of the circumstances [[62-604.550, Florida Administrative Code](#)].
5. The design and construction of the wastewater collection/transmission system shall be in accordance with provisions of Florida Administrative Code (F.A.C.) Rule 62-604 [[62-604.300\(1\)](#) and [62-604.400, Florida Administrative Code](#)].

For your information: When any existing asbestos cement (AC) pipes are replaced, they shall be done so in accordance with the applicable rules of Federal Asbestos Regulation and Florida DEP requirements. For specific requirement applicable to AC pipes, please contact the Department prior to commencing any such activities. Please be aware that a notification is required to be submitted to the Department for a regulated project.