

Lanzo Construction Co., Florida

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Deerfield Beach, FL 33441

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TO: Aaron I. Cutler, CGC
Mathews Consulting
447 S. Rosemary Ave, Suite 300
West Palm Beach, FL 33401

LETTER OF TRANSMITTAL

Date: <u>2/7/2018</u>	LCC Job # <u>F-451</u>
Attn: <u>Aaron I. Cutler, CGC</u>	
RE: City Of Delray	
Reclaimed Water Main Extension	
Area 12C	

We are Sending You: Attached Under Separate Cover Via: _____ The following items:

Shop Drawings Prints Plans Samples

Specifications Copy of Letter Change Order _____

Copies	Date	No.	Description
1	2/7/18	SD-011	NPDES Permit/Erosion Protection Measures

Shop Dwg. No. 011

MC Job No. 170390.60 Date 02/27/18

Section 01530 Dwg _____

FURNISH AS SUBMITTED (FAS)
 FURNISH AS CORRECTED (FAC)
 REVISE AND RESUBMIT (RAR)

Checking of shop drawing is limited to general design and general arrangement only and is not intended to be a verification of compliance with all requirements. Approval shall not relieve the Contractor from the responsibility of details of Design, correct dimensions for proper fitting, Coordination with others, or any other requirements of the Contract.

These Are Transmitted for the following purposes

For Approval	<input checked="" type="checkbox"/>
For Use	<input type="checkbox"/>
As Requested	<input type="checkbox"/>
For Review	<input type="checkbox"/>
For Bids Due	<input type="checkbox"/>

Remarks: _____

Copy To: Mark Garret

**MATHEWS CONSULTING,
 A BAXTER & WOODMAN COMPANY**

BY: Aaron Cutler



*Delivering sustainable infrastructure solutions
for tomorrow's communities*

125 SE 5th Court

Deerfield Beach, Florida 33441-4749

Office: (954) 979-0802, Fax: (954) 979-9897

Shop Drawing Submittal

City of Delray Beach
City of Delray Beach RWM Area 12-C

NPDES Permit/Erosion Protection Measures

Lanzo Project No.	<u>F-451</u>	Submittal No.	<u>SD-011</u>
Contract Specification	<u>01025</u>		
Checked and Approved By	<u>D.B</u> David Barrera		
Date	<u>7-Feb-18</u>	Previous Submission Date	<u>1/18/2018</u>



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

January 29, 2018

Mark Garrett
Lanzo Construction
125 SE 5th Ct
Deerfield Beach, FL 33441 4749

RE: Facility ID: FLR20BW22-001

City of Delray Beach Reclaimed Water Expansion
County: Palm Beach

Dear Permittee:

The Florida Department of Environmental Protection has received and processed your *Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Activities and Dewatering Operations* (NOI) and the accompanying processing fee. This letter acknowledges that:

- your NOI is complete;
- your processing fee is paid-in-full; and
- you are covered under the *Generic Permit for Stormwater Discharge from Large and Small Construction Activities and Dewatering Operations from Large and Small Construction Activities and Dewatering Operations* (CGD), DEP Document No. 62-621.300(4)(a).

Your project identification number is **FLR20BW22-001**. Please include this number on all future correspondence to the department regarding this permit.

This letter is **not** your permit; however, this letter does serve as **verification of permit coverage**. A copy of the permit language is available online at <https://www.flrules.org/Gateway/reference.asp?No=Ref-04265> or by contacting the NPDES Stormwater Notices Center.

Your permit coverage becomes effective **February 01, 2018** and will expire **January 31, 2023**. To terminate your coverage prior to this expiration date, you must file a *National Pollutant Discharge Elimination System (NPDES) Stormwater Notice of Termination*, DEP Form 62-621.300(6) (NOT). An NOT must be filed within 14 days of either (a) your final stabilization of the site or (b) your relinquishment of control of the construction activities to a new operator. Terminating coverage under the CGP will also

terminate your dewatering operations. You may not exclusively terminate dewatering operation under this form.

To renew your coverage beyond the expiration date, you must submit a new NOI and processing fee to the department no later than two days before coverage expires.

Until your permit coverage is terminated, modified, or revoked, you are authorized to discharge stormwater from the construction site referenced in your NOI to surface waters in accordance with the terms and conditions of the CGD. Some key conditions of the CGD are:

- implementation of your stormwater pollution prevention plan (SWPPP);
- implementation of appropriate construction and dewatering best management practices (BMPs);
- conducting and documenting routine inspections; and
- retaining all records required by the permit (including your SWPPP) at the construction site or the alternate location specified in your NOI.

Projects that discharge stormwater associated with construction activity to a municipal separate stormwater system (MS4) shall submit a copy of the NOI or the Acknowledgement Letter within 7 days of receipt to the operator of the MS4.

If you have any questions concerning this Acknowledgment Letter, please contact the NPDES Stormwater Notices Center at (866) 336-6312 or NPDES-stormwater@dep.state.fl.us.

Sincerely,

NPDES Stormwater Program
Florida Department of Environmental Protection

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the department. Because the administrative hearing process is designed to formulate final agency action, the hearing process may result in a modification of the agency action or even denial of the application.

Petition for Administrative Hearing

A person whose substantial interests are affected by the department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

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

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the notice or within 14 days of receipt of the written notice, whichever occurs first. The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

Extension of Time

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

Mediation

Mediation is not available in this proceeding.

Judicial Review

Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

State of Florida

Department of Environmental Protection

NPDES Generic Permit

For

Stormwater Discharge from Large and Small Construction Activities

Effective Date: 02/2015

This permit is issued under the provisions of Section 403.0885, Florida Statutes, and applicable rules of the Florida Administrative Code pursuant to the Department's federally-approved National Pollutant Discharge Elimination System (NPDES) stormwater regulatory program. Stormwater discharge associated with large construction activity, as defined at 40 C.F.R. Part 122.26(b)(14)(x) and herein, is regulated pursuant to Section 402(p)(2) of the federal Clean Water Act (CWA). Stormwater discharge associated with small construction activity, as defined at 40 C.F.R. 122.26(b)(15) and herein, is regulated pursuant to Section 402(p)(6) of the CWA. This permit constitutes authorization to discharge stormwater associated with large and small construction activities to surface waters of the State, including through a Municipal Separate Storm Sewer System (MS4). Until this permit is terminated, modified or revoked, permittees that have properly obtained coverage under this permit are authorized to discharge to surface waters of the State, including through an MS4, in accordance with the terms and conditions of this permit.

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HOW TO USE THIS DOCUMENT

This generic permit is written in plain English. It sets forth a series of questions along with the answers that are designed to make it easier for you to understand who needs a permit, how you get permit coverage, and what you must do to meet the permit's requirements. Underlined blue words are terms that are defined in Part 8, Definitions and Acronyms. If you click on these words, you will be taken to the part of the document where the term is defined. To get back to your original part of the document, you must install the "BACK" button for Word.

To install the "BACK" button and "FORWARD" button, complete these steps:

1. Click the Microsoft office button or FILE in the top left corner of your Word window.
2. Click on "Word Options" at the bottom of the menu.
3. Click on "Customize" from the left pane.
4. In "Choose commands from" drop-down menu, select "All Commands".
5. From the list of commands find "Back" and click "Add"
6. Similarly, find "Forward" and click "Add"

This Document Constitutes Your Permit

PART 1: PERMIT COVERAGE	
	<i>Do I need this permit for my project?</i>

1.1 When is this permit required?

An NPDES Stormwater construction generic permit is required for any [construction activities](#) that:

- 1.1.1 Disturb one or more acres of land or disturb less than one acre of land but are part of a [common plan of development or sale](#); and
- 1.1.2 Discharge stormwater to surface waters of the state or to surface waters of the State through a municipal separate storm sewer system ([MS4](#)).

You, the Responsible Authority, shall apply either for an individual permit or for coverage under this National Pollutant Discharge Elimination System ([NPDES](#)) Construction Generic Permit (CGP). The Responsible Authority of a construction activity is ultimately responsible for obtaining and complying with this permit.

1.2 What does the CGP allow me to do?

The CGP allows you to discharge surface stormwater associated with [large](#) or small construction activity to waters of the State, either directly or through an MS4.

1.3 If I obtain the CGP, do I still need an Environmental Resource Permit (ERP) or other permit?

Obtaining coverage under the CGP does not relieve you of the requirement to obtain an Environmental Resource Permit ([ERP](#)). If an ERP is required then contact the Department, the appropriate [water management district](#), or a delegated local program for more information. You may also need to obtain other required permits from federal, state, or local governments.

1.4 Do I need this permit if I am one of several contractors working at a common site?

- 1.4.1 If you are a contractor or subcontractor acting under the direction of an operator or other entity who has received coverage under the CGP for your construction activities, you do not have to obtain your own coverage under this permit, but must be named on the operator's SWPPP and separately sign the SWPPP certification (see [Part 4.5](#)).

- 1.4.2 If you are not named in the SWPPP or are not acting under the direction of the responsible authority who has obtained permit coverage, you must obtain your own permit.

1.5 Are there any limitations of coverage?

The following stormwater discharges from construction sites are not authorized by this permit. This permit specifically does not allow you to do any of the following:

- 1.5.1 Cause or contribute to a violation of surface water quality standards;
- 1.5.2 Discharges stormwater mixed with non-stormwater, except as otherwise provided in [Part 3](#) of this CGP;
- 1.5.3 Discharge stormwater that originates from the site after construction activities have been completed and the site has undergone final stabilization;
- 1.5.4 Discharges that are mixed with sources of non-stormwater;
- 1.5.5 Discharges stormwater associated with construction activities that are covered under an existing generic or individual permit. Such discharges may be authorized under this permit after the existing generic permit or individual permit term of coverage expires or is terminated, provided the existing permit did not establish numeric limitations for such discharges; or
- 1.5.6 Discharges stormwater associated with construction activity that the Department has determined to be or may reasonably be expected to be causing or contributing to a violation of surface water quality standards.

<p>PART 2: YOUR APPLICATION = NOTICE OF INTENT (NOI)</p>	
	<p><i>How do I apply for coverage under this permit?</i></p>

2.1 How do I apply for coverage under this permit?

You must:

- 2.1.1 Submit a "Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Activities, DEP Form 62-621.300(4)(b)," also known as Notice of Intent or NOI, to the Department; and
- 2.1.2 Submit the required permit application fee. For Large construction sites disturbing 5 or more acres, the required fee is \$400. For Small construction sites disturbing 1- 4.99 acres, the required fee is \$250. Land disturbances less than one acre of land but are part of a [common plan of development or sale](#) must apply for coverage.

2.2 What must I do before applying for the CGP?

Before you submit your NOI, you must develop and be ready to implement a Stormwater Pollution Prevention Plan ([SWPPP](#)). The minimum requirements for a SWPPP are listed in [Part 4](#).

2.3 Where can I obtain and file my NOI and permit fee?

- 2.3.1 You can submit your NOI and payment electronically through the Department business portal at <http://www.fldepportal.com/go/>. Permit fees must be paid by check, credit card or debit card.
- 2.3.2 Alternatively, you can submit a paper copy of your NOI by downloading the form at: http://www.dep.state.fl.us/water/stormwater/npdes/permits_forms.htm and submitting it, along with your permit fee, to the [Notices Center](#).

2.4 Who can sign the NOI?

The [responsible authority](#) must sign the NOI unless the responsible authority designates a [duly authorized representative](#) who may sign on the responsible authority's behalf as prescribed in Part 8.9.

2.5 When is the NOI due?

- 2.5.1 For a new project, you must submit a complete NOI and permit fee at least 2 calendar days before commencement of construction by clearing, grading, excavating, demolition, or other [construction activities](#) disturbing soil. An application is complete upon submittal of all requested information, submittal of the required permit fee, and correction of any error or omission for which the applicant was timely notified or when the time for such notification has expired.
- 2.5.2 For a project continuing beyond the five-year term of any existing CGP permit coverage, you must submit the complete NOI and permit fee at least 2 calendar days before your current permit expires to renew your coverage.
- 2.5.3 For a project where the operator changes, the new operator must submit the complete NOI and permit fee at least 2 calendar days before assuming control of the project.

2.6 What happens after I submit my NOI and Permit fee?

Your NOI will be determined complete or incomplete:

- 2.6.1 If incomplete, the Department will contact you to request additional information or request payment of the required permit fee.
- 2.6.2 If complete, the Department will send you an acknowledgment letter that will identify the term of your permit coverage.
- 2.6.3 You must post a copy of the NOI or, post a copy of the acknowledgment letter at the construction site in a prominent place for public viewing, such as alongside a building permit.
- 2.6.4 If your project discharges stormwater to an MS4, you must send a copy of the NOI or the acknowledgement letter within 7 calendar days of receipt to the operator of the MS4.

2.7 What is the term of my permit coverage?

- 2.7.1 The term of your permit coverage begins 2 calendar days after the Department determines your submittal complete, and lasts 5 years or until you terminate your coverage under the permit.

PART 3: DISCHARGES	
	<i>What discharges are allowed under this permit?</i>

3.1 What discharges are allowed under this permit?

With limited exceptions, the CGP only allows stormwater discharges associated with construction activities and dewatering operations described in Part 3.4. The exceptions are listed below (see Parts 3.2 and 3.4).

3.2 What non-stormwater discharges does the CGP allow?

You can discharge the following types of non-stormwater discharges, if they are listed in your SWPPP and your SWPPP includes appropriate pollution prevention procedures as to not cause or contribute to a violation of water quality standards.

- 3.2.1 Discharges from firefighting activities.
- 3.2.2 Fire hydrant flushings.
- 3.2.3 Waters without detergents used to spray off loose solids from vehicles.
- 3.2.4 Waters used to control dust.
- 3.2.5 Potable water sources such as waterline flushings.
- 3.2.6 Landscape irrigation water and drainage.
- 3.2.7 Routine external building washdown provided no detergents are used.
- 3.2.8 Pavement washwaters that do not contain detergents, leaks, spills of toxic or hazardous materials.
- 3.2.9 Air conditioning condensate.
- 3.2.10 Spring water.
- 3.2.11 Foundation or footing drain flows that are not contaminated with process material such as solvents.
- 3.2.12 Noncontaminated ground water associated with dewatering activities as described in Part 3.4.

3.3 What non-stormwater discharges are prohibited by the CGP?

The following non-stormwater discharges are prohibited by the CGP:

- 3.3.1 Wastewater from concrete washout.
- 3.3.2 Wastewater from washout or cleanout of stucco, paint, form release oils, curing compounds, and other construction materials.
- 3.3.3 Fuels, oils, or other pollutants from vehicle and equipment operation and maintenance.
- 3.3.4 Soaps, detergents, solvents, or other cleaners.
- 3.3.5 Hazardous substances or oil resulting from an on-site spill.

- 3.3.6 Solid materials, including building materials.
- 3.3.7 Any other non-stormwater discharge not specifically allowed by Part 3.2 of the CGP.

3.4 Can I discharge water from [groundwater dewatering operations](#) under this permit?

- 3.4.1 The CGP authorizes the discharge of [uncontaminated](#) ground water.
- 3.4.2 If your project site is uncontaminated, in accordance with Part 3.4.3 below, you are authorized under the CGP to discharge uncontaminated groundwater resulting from construction-related dewatering operations. To obtain this authorization, you must complete Part VI of the NOI. The operator is responsible for ensuring the groundwater is uncontaminated.
- 3.4.3 An uncontaminated site must meet the following conditions:

The property is either (a) not identified as a [contaminated site](#) and there is no identified contaminated site within 500 feet, or (b) it is identified as a contaminated site, but DEP documentation confirms that the contamination has been remediated or the pollutants of concern from the contaminated site are not present in groundwater at the project site at concentrations equal to or greater than the surface water criteria in Rule 62-302.530, F.A.C.
- 3.4.4 Documentation that the project site is uncontaminated must be kept at the project site with the SWPPP.
- 3.4.5 Appropriate dewatering [BMPs](#) shall be implemented to ensure that discharges from dewatering operations do not cause or contribute to violations of water quality standards. (See [Part 5.8.](#)) The BMPs must be included in the Dewatering Section of the SWPPP.
- 3.4.6 Discharges from dewatering operations must:
 - a) Not include visible floating solids or foam;
 - b) When feasible, discharge onto vegetated upland areas of the site where the water can infiltrate. As an alternative, the water can be discharged into the permitted stormwater system serving the project site.

Note: Backwash water should be managed such that it is not discharged directly to waters of the State. Backwash water may be hauled away for proper disposal or returned to the beginning of the treatment process.

3.5 What if I suspect the discharge from dewatering operations are from a contaminated site?

- 3.5.1 If a discharge from dewatering operations causes or contributes to a water quality violation, the permittee shall contact the Department. This permit only authorizes the discharge of uncontaminated groundwater. A site that does not meet the conditions of 3.4.3 may qualify for coverage under Rule 62-621.300(1), F.A.C., or under an individual wastewater permit on the appropriate form listed in Rule 62-620.910, F.A.C.
- 3.5.2 Coverage under this permit may be suspended, revoked and reissued, or terminated in accordance with Rule 62-620.345, F.A.C., if the Department determines that there has been a violation of any of the terms or conditions of the permit, there has been a violation of state water quality standards or the permittee has submitted false, incomplete or inaccurate data or information.

<p>PART 4: STORMWATER POLLUTION PREVENTION PLAN (SWPPP)</p>	
	<p><i>How do I develop my stormwater pollution prevention plan?</i></p>

4.1 What is the purpose of the [SWPPP](#)?

The purpose of the SWPPP is to document how you will comply with the requirements of this permit.

4.2 How do I develop my (SWPPP)?

You must prepare a SWPPP following standard industry practices. You can find training, samples, guidance, templates, and links to other resources to help you develop your SWPPP on our web page:

<http://www.dep.state.fl.us/water/stormwater/npdes/construction3.htm>.

4.3 When must I start following my SWPPP?

You must develop your SWPPP before you submit your NOI. You must start following your SWPPP when you receive coverage under this permit. If your SWPPP requires perimeter controls, they must be installed before the commencement of your construction activities.

4.4 Where do I keep my SWPPP and other records and how long do I have to retain them?

4.4.1 Keep all of these records at the construction site, or at an appropriate alternative location as specified in the NOI.

4.4.2 You must maintain a site log notebook or computer file folder that contains copies of the NOI, the acknowledgement letter granting coverage, your SWPPP, all your inspections reports, records, and all notifications from the Department concerning your site.

4.4.3 Keep all of these records for three years from the date that the site has reached final stabilization and the Notice of Termination (NOT) is submitted.

4.5 How often must I update my SWPPP?

You must keep your SWPPP current. You must sign and date any changes to the SWPPP and keep them as attachments to the original plan. Whenever any of the following events occur, you have seven calendar days to update your SWPPP:

- 4.5.1 There is a change in design, construction, operation, or maintenance that has a significant effect on the discharge from your project.
- 4.5.2 There is a new discharge point or outfall.
- 4.5.3 There is a change in the location of a discharge point or outfall.
- 4.5.4 An inspection (see [Part 6](#)) reveals that BMPs are ineffective at eliminating or minimizing pollutants in the stormwater discharged from the site.
- 4.5.5 There is a new [operator](#), contractor, or subcontractor implementing any portion of the SWPPP. If a new operator is taking over a portion of the project site, you must update your SWPPP to note the area that is no longer covered by your CGP and inform the new operator in writing that you are no longer covering construction activities in that area. This documentation must be kept as part of your SWPPP. (See [Part 1.4](#)).
- 4.5.6 A release containing a hazardous substance in an amount equal to or greater than a reportable quantity occurs during a 24-hour period. (See [Part 9.2](#) for important information about releases of hazardous substances in excess of reportable quantities.)

4.6 Who needs to sign the SWPPP?

All contractors and subcontractors identified in the SWPPP must sign a copy of the following certification statement before conducting any construction activities at the site. The certifications must have the name and title of the person signing the certification; the name, address, and telephone number of the contracting firm; and the signature date.

"I certify under penalty of law that I understand, and shall comply with, the terms and conditions of the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities and this Stormwater Pollution Prevention Plan."

4.7 What needs to be in the SWPPP?

Table 4.7-1 lists the items that must be included in your plan. The SWPPP must clearly identify the contractor(s) or subcontractor(s) that will implement each item.

Table 4.7.1 Contents of the SWPPP

Stormwater Team	Identify the personnel (by name or position) that are part of the stormwater team responsible for implementing the SWPPP, including the qualified inspector . List their individual responsibilities in developing or implementing the SWPPP.
Contractors /Subcontractors	List all the contractors or subcontractors who will be conducting construction activities at the site, and identify the areas of the site in which they will be working. All listed contractors and subcontractors must sign the certification.
Site/Construction Activities Description	<ul style="list-style-type: none"> • Describe the nature of the construction activity. • Describe the intended sequence and time table of major activities that will disturb soils. • Include the scheduled starting and ending date for each major activity such as land clearing, grubbing, grading, cut and fill, dewatering operations, installation of erosion and sediment controls, installation of stormwater management systems, paving, final or temporary stabilization of exposed soil, and removal of construction equipment and vehicles. • Estimate the total area of the site and the total area that is expected to be disturbed by excavation, grading, or other construction activity.

	<ul style="list-style-type: none"> • Include existing data on soil types and the quality of any existing discharge from the site. • For each proposed discharge point provide the following: <ul style="list-style-type: none"> ➢ Latitude and Longitude ➢ Drainage Area ➢ Surface Waters or MS4 • Estimate the amount of land that will be cleared during the construction activity for each drainage area.
Site Map	<p>Include a site map showing all of the following:</p> <ul style="list-style-type: none"> • Boundaries of the property. • Entrance/Exit Points • Locations where construction activities will occur. • Locations where dewatering operation will occur. • Drainage patterns and approximate slopes and elevations anticipated after major grading activities. • Areas of soil disturbance. • Areas which will not be disturbed. • Location of major structural and nonstructural controls. • Location of areas where stabilization practices are expected to occur. • Location of surface waters and wetlands. • Location where stormwater is proposed to be discharged during construction to a surface water or MS4.
Non-stormwater Discharges	List all non-stormwater discharges covered under this permit and the pollution prevention procedures that will be implemented. (See Part 3.3)
Dewatering Controls (Applicable)	Include a description of the BMPs that will be used to ensure that discharges of noncontaminated ground water from dewatering operations do not cause or contribute to violations of state water quality standards.
BMPs	Describe the BMPs that will be implemented for each major activity and the timing during the construction process that they will be implemented. (See Part 5)
Permanent stormwater management controls	Describe the stormwater management controls or BMPs (e.g., stormwater detention or retention systems, vegetated swales, or velocity dissipation devices at discharge points) that will be installed during the construction process to control pollutants in stormwater discharges. (See Part 5.7)
Inspections	Must be at least once every seven calendar days and within 24-hours of the end of a storm event that is 0.50 inches or greater (even if it rains on the weekend or a holiday) (See Part 6)
Maintenance	Describe the maintenance activities and schedules that will be followed to keep BMPs in good and effective operating condition.
Signed Certifications	Include all the signed contractors and subcontractors certifications in the SWPPP.

PART 5: BEST MANAGEMENT PRACTICES (BMPs)	
	<i>What BMPs apply to my project?</i>

5.1 What BMPs am I required to use on my project?

Construction activities must not cause or contribute to a water quality violation or offsite sedimentation. You are encouraged to phase your construction activities to avoid potential water quality violations. BMPs must be installed before the commencement of your construction activities.

All BMPs must be consistent with the guidelines contained in the State of Florida Erosion and Sediment Control Designer and Reviewer Manual, FDOT and FDEP (2013)

<http://www.stormwater.ucf.edu/publications/2013RevisedDesignerManual.pdf>, or from <http://www.flrules.org/Gateway/reference.asp?No=Ref-04227>.

You are required to comply with the following:

- 5.1.1 You must implement pollution prevention control BMPs described in Part 5.2.
- 5.1.2 You must implement erosion and sediment control BMPs as described in Part 5.3.
- 5.1.3 You must stabilize soils in accordance with Part 5.4.
- 5.1.4 You must implement structural controls as described in Part 5.5.
- 5.1.5 You must implement dewatering BMPs as described in Part 5.8.
- 5.1.6 If you disturb more than 10 acres at any one time, you must comply with the requirements of Part 5.6 relating to sediment basins.
- 5.1.7 All BMPs must be maintained until [Final Stabilization](#) has been achieved for the portions of the site served by the BMPs. BMPs include pollution prevention controls, erosion and sediment controls, stabilization practices, and structural controls. All BMPs must be described in your SWPPP.
- 5.1.8 Dewatering BMPs must be maintained throughout the duration of dewatering operations.
- 5.1.9 Temporary perimeter controls must be removed after final stabilization.

5.2 What pollution prevention control BMPs must be implemented?

You must, at a minimum, install, implement, and maintain pollution prevention control BMPs that accomplish all of the following:

- 5.2.1 Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters that are covered under this permit so as to not cause a violation of water quality standards or offsite sedimentation.

- 5.2.2 Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, toxic substances, and other materials present on the site to rain and to stormwater that may run onto or across your site so as to not cause or contribute to a violation of water quality standards.
- 5.2.3 Minimize the discharge of pollutants from spills and leaks. Your SWPPP must include and you must implement chemical spill and leak prevention and response procedures.

5.3 What erosion and sediment control BMPs apply?

You must, at a minimum, install, implement, and maintain appropriate erosion and sediment controls that accomplish all of the following so as to not cause or contribute to a violation of water quality standards and minimize offsite sedimentation:

- 5.3.1 Control stormwater volume and velocity within the site to minimize soil erosion and offsite sedimentation.
- 5.3.2 Control stormwater peak discharge rates and volume to minimize erosion at discharge outfalls and to minimize downstream channel and stream bank erosion.
- 5.3.3 Minimize the amount of soil exposed during the construction activity.
- 5.3.4 Minimize the disturbance of steep slopes.
- 5.3.5 Minimize sediment discharges from the site.
- 5.3.6 Minimize off-site vehicle tracking of sediments onto paved surfaces and the generation of dust so as to prevent the potential for water quality violations and offsite sedimentation. If sediment escapes the construction site, remove off-site accumulations of sediment at a frequency sufficient to minimize off-site impacts.
- 5.3.7 In selecting your sediment and erosion controls, you must consider factors such as the amount, frequency, intensity, and duration of precipitation; the characteristics of the resulting stormwater; and the site's soil characteristics, including the range of soil particle sizes expected to be present on the site.

5.4 Do I have to use Stabilization Measures?

You must initiate stabilization measures within 7 calendar days after construction activities have temporarily or permanently ceased for any portion of the site.

Stabilization measures include:

- Temporary seeding.
- Permanent seeding.
- Mulching.
- Geotextiles.
- Sod stabilization.
- Vegetative buffer strips.
- Protection of trees.
- Preservation of mature vegetation.
- Other appropriate measures.

- 5.4.1 You must include in your SWPPP, and update when necessary, the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated.
- 5.4.2 You must achieve Final Stabilization prior to filing a Notice of Termination in accordance with [Part 7.1](#) or the expiration of coverage under this, or a subsequent, generic permit.

5.5 Do I have to use Structural Practices?

You must use controls to accomplish the following:

- 5.5.1 As necessary to prevent violations of water quality or offsite sedimentation, you must divert flows from exposed soils, store flows, retain sediment on site, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site.
- 5.5.2 Structural practices to prevent violations of water quality or offsite sedimentation, which may include the following: silt fences, earth dikes, diversions, swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, coagulating agents, and temporary or permanent sediment basins.
- 5.5.3 Silt fences or equivalent structural controls are required for all side slope and down slope boundaries of the construction area.
- 5.5.4 Structural best management practices must be placed on upland soils unless a State of Florida [environmental resource permit](#) issued pursuant to Chapter 373, [F.S.](#), or applicable regulations of the DEP or WMD otherwise authorize.

5.6 What requirements apply to sediment basins?

If you have 10 or more disturbed acres on your site, the following design requirements shall be met:

- For drainage basins with 10 or more disturbed acres at one time, a temporary (or permanent) sediment or wet detention basin providing 3,600 cubic feet of storage per acre drained must be provided until final stabilization of the site. The 3,600 cubic feet of storage area per acre drained does not apply to flows from off-site areas and flows from on-site areas that are either undisturbed or have undergone final stabilization where such flows are diverted around both the disturbed area and the sediment basin.
 - For drainage basins with 10 or more disturbed acres at one time and where a temporary sediment basin providing 3,600 cubic feet of storage per acre drained is not attainable, a combination of smaller sediment basins, sediment traps, wet detention systems, or other best management practices must be used.
- 5.6.1 For drainage basins of less than 10 disturbed acres, sediment basins and sediment traps are recommended but not required.
 - 5.6.2 Areas that will be used for permanent stormwater infiltration treatment (e.g., stormwater retention basins) should not be used for temporary sediment basins unless appropriate measures are taken to assure removal of accumulated fine sediments, to avoid excessive compaction of soils by construction machinery or equipment, and to assure that the design infiltration capacity is met.

5.7 What requirements apply to permanent stormwater management controls?

Your SWPPP must include a description of stormwater management controls or BMPs (e.g., stormwater detention or retention systems, vegetated swales, or velocity dissipation devices at discharge points) that will be installed during the construction process to control pollutants in stormwater discharges that will occur during construction and after construction operations have been completed.

Under this CGP, you are only responsible for the installation and maintenance of stormwater management controls until the construction activities have been completed and the site has undergone final stabilization. However, all stormwater management systems and BMPs must be operated and maintained in perpetuity after final stabilization in accordance with requirements set forth in the State of Florida [environmental resource permit](#) issued under Part IV, Chapter 373, F.S.

5.8 What Dewatering BMPs can I use?

The operator shall develop and implement site specific control measures or BMPs to minimize or eliminate pollutant discharges resulting from dewatering operations to surface waters of the state. Appropriate BMPs shall have been developed and implemented upon commencement of the discharge. The most common BMPs for treating dewatering discharges include sediment traps and basins, weir and dewatering tanks, filters, and chemical treatment. These technologies and approaches provide a number of options to achieve sediment removal. The sizes of the particle that make up the sediments are a key consideration in selecting sediment control options.

PART 6:INSPECTIONS	
	<i>How should I inspect my project?</i>

6.1 When must I inspect my site? By whom?

Your site must be inspected at least once every seven calendar days and within 24 hours of the end of a [storm event](#) that is 0.50 inches or greater (even if it rains on the weekend or a holiday). Your site must be inspected by a [qualified inspector](#) that you must provide.

6.2 What must your inspection cover?

Your qualified inspector must:

- 6.2.1 Inspect all stormwater discharges from the site to ensure BMPs are not causing or contributing to violations of water quality standards or resulting in offsite sedimentation. <http://www.dep.state.fl.us/water/wqssp/classes.htm>
- 6.2.2 Inspect the BMPs identified in the SWPPP to ensure that they are installed, maintained, and operating correctly and effectively.
- 6.2.3 Inspect all areas used for storage of materials that are exposed to rainfall and runoff to ensure all BMPs are being used and maintained properly.
- 6.2.4 Inspect all locations where vehicles enter or exit the site for evidence of offsite sediment tracking and inform operator of all actions needing to be taken to remove sediments on the road and prevent it in the future.
- 6.2.5 Inspect all distributed areas and discharge points for signs of visible erosion and sedimentation.

6.3 What information must be included in the inspection report?

The report must contain all of the following:

- 6.3.1 Scope of the inspection.
- 6.3.2 Name(s) and qualifications of personnel making the inspection.
- 6.3.3 Date(s) of the inspection.
- 6.3.4 Rainfall data.
- 6.3.5 Major observations relating to the implementation of the SWPPP.
- 6.3.6 Corrective actions taken since last inspection in accordance with Part 6.4.
- 6.3.7 Any incidents of non-compliance. (Where an inspection does not identify any incidents of non-compliance, the report must certify that the facility is in compliance with the SWPPP and the CGP.)
- 6.3.8 Signature of the qualified inspector that prepared the report. (See [Part 9.1](#), below.)
- 6.3.9 Signature of a [responsible authority](#). (See [Part 9.1](#), below.)

6.4 If the inspection identifies needed corrective actions, when must they be accomplished?

Based on the results of the inspection, all corrective actions needed to assure proper

operation of all controls identified in your SWPPP or to ensure that the requirements of the permit are met must be done in a timely manner, but in no case later than 7 calendar days following the inspection or identification of the issue. If needed, you must revise your SWPPP and modify your controls in a timely manner, but in no case later than 7 calendar days following the inspection or identification of the issue. (See [Part 4.4](#))

6.5 Can I temporarily suspend the weekly/0.5 inch inspections?

- 6.5.1 Once you have achieved final stabilization, you may suspend inspections.
- 6.5.2 You may reduce the frequency of inspections to once per month on your site if you:
 - 6.5.2.1 Have achieved temporary stabilization that is successful at stabilizing the site for the duration of your suspended construction activities; and
 - 6.5.2.2 Have your SWPPP updated as to why you are suspending construction activities at your site and have met the conditions of 6.5.1. The SWPPP must include:
 - a. The status and type of stabilization implemented,
 - b. The date the activities were suspended, and
 - c. The anticipated date activities will resume.
- 6.5.3 If construction activity resumes in this portion of the site at a later date, the inspection frequency immediately returns to the frequency required by this permit under Part 6.1. You are at all times responsible for ensuring that your temporary stabilization methods are in compliance with permit conditions.
- 6.5.4 If at any time after you suspend construction activities you determine the site will not resume activities during the term of your permit coverage, you must achieve Final Stabilization and file a Notice of Termination. During that intermediate period of time all terms of this permit will apply.

PART 7: COMPLETION = NOTICE OF TERMINATION (NOT)	
	<i>What should I do when my project is complete?</i>

7.1 What must I do when my project is complete or I no longer need the permit coverage?

Within 14 calendar days after your site has achieved [final stabilization](#) and all discharges authorized by this permit are eliminated or are authorized under a separate NPDES permit, you must submit a completed Notice of Termination ([NOT](#)) form.

7.1.1 All dewatering discharges authorized by this permit have ceased.

7.1.2 All construction activity discharges authorized by this permit have ceased.

Elimination of [stormwater discharges associated with construction activity](#) means that all disturbed soils at the site have been final stabilized, that temporary erosion and sediment control measures have been removed or will be removed at an appropriate time, and that all stormwater discharges associated with construction activity from the site that are authorized by the CGP have been eliminated.

7.2 Can I transfer the CGP following a sale or transfer of project operation?

Coverage under the CGP is not transferable. The new owner/operator will need to complete a SWPPP and submit a new NOI and processing fee. You need to end the current permit coverage by submitting a [Notice of Termination \(NOT\)](#) within 14 calendar days of relinquishing control of the project to a new owner/operator. It is the responsibility of the new owner/operator to obtain coverage before the NOT is submitted.

7.3 How do I submit my NOT?

7.3.1 You can submit the form electronically: To file your NOT online go to:
<http://www.fldepportal.com/go/>

7.3.2 Alternatively you can submit a NOT by email to the [Notices Center](#): To download the NOT go to:
http://www.dep.state.fl.us/water/stormwater/npdes/permits_forms.htm

For additional assistance please contact the Notice Center at: (866) 336-6312 (toll-free).

7.4 Who can sign the NOT?

The [responsible authority](#) must sign the NOI unless the responsible authority designates a [duly authorized representative](#) who may sign on the responsible authority's behalf.

7.5 What happens after I submit my NOT?

The Department will send you an acknowledgment letter by email. If your project discharged stormwater to a permitted MS4, you must send a copy of the NOT or the acknowledgement letter within 7 calendar days of receipt to the operator of the MS4.

<p>PART 8: DEFINITIONS AND ACRONYMS</p>	
	<p><i>What definitions and acronyms do I need to know?</i></p>

DEFINITIONS

8.1 "Best Management Practices" or "BMPs"

Schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of surface waters. BMPs also include treatment requirements, operating procedures, and practices to control site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. BMPs also include sediment and erosion controls, stabilization measures, and pollution prevention controls as described in: State of Florida Erosion and Sediment Control Designer and Reviewer Manual, FDOT and FDEP (2013) <http://www.stormwater.ucf.edu/publications/2013RevisedDesignerManual.pdf>, or from <http://www.flrules.org/Gateway/reference.asp?No=Ref-04227>.

8.2 "Construction Activity"

The act or process of developing or improving land, including demolition and renovation activity, which involves the disturbance of soils not limited to, clearing, grading, and excavation.

8.3 "Contaminated Site"

Any site that contains or did contain pollutants of concern in the groundwater that exceed the surface water criteria in 62-302.530, F.A.C.

8.4 "Commencement of Construction"

Means the initial disturbance of soil associated with clearing, grading, or excavating activities or other construction activities.

8.5 "Common Plan of Development or Sale"

A single plan of development or sale for a site where one or more separate and distinct construction activities are occurring on one or more schedules by one or more contractors. This may include:

- Phased projects and projects with multiple lots, even if the separate phases or lots will be constructed under separate contract or by separate owners (e.g., a development where lots are sold to separate builders).
- A development plan that may be phased over multiple years, but is still under a consistent plan for long-term development.
- Projects in a contiguous area that may be unrelated but still under the same contract, such as construction of a building extension and a new parking lot at the same facility.
- Linear projects such as roads, pipelines, or utilities.

8.6 "Department" or "DEP"

The Florida Department of Environmental Protection.

8.7 "Dewatering activities"

For the purposes of this generic permit means temporarily lowering the ground water level, whether confined or unconfined, by mechanical pumping to allow for construction and excavation activities at the construction site covered by this generic permit.

8.8 "Discharge Point" or Outfall"

For the purposes of this permit, the location where collected and/or concentrated stormwater flows are discharged from the construction site.

8.9 "Duly Authorized Representative"

A duly authorized representative is a person who has been designated by the responsible authority to sign documents relating to this permit on the responsible authority's behalf. A responsible authority may authorize a duly authorized representative by submitting to the [Notices Center](#), by email or in writing an authorization that names either an individual or a position having overall responsibility for the operation of the your project, such as the project engineer, project superintendent, a position of equivalent responsibility, or an individual or position having overall responsibility for implementing the CGP at the site.

If an authorization is no longer valid because a different individual or position has overall responsibility for the operation of your project, a new authorization satisfying the above requirements must be submitted to the Notices Center prior to or together with any reports, information, or applications to be signed by an authorized representative.

8.10 "Environmental Resource Permit" or "ERP"

The permit issued under Part IV, Chapter 373, F.S., by the Department, a [WMD](#), or delegated local program that ensures that the stormwater flood control, stormwater treatment, and wetland protection requirements are met.

8.11 "Final Stabilization"

All soil disturbing activities at the site have been completed, and that a uniform (e.g., evenly distributed, without large bare areas) perennial vegetative cover with a density of at least 70% for all unpaved areas and areas not covered by permanent structures has been established or equivalent permanent stabilization measures (e.g., geotextiles) have been employed.

8.12 "Groundwater"

Means water beneath the surface of the ground within a zone of saturation, whether or not flowing through known and definite channels.

8.13 "Large Construction Activity"

Construction activity that results in the disturbance of five or more acres of total land area. Large construction activity also includes the disturbance of less than five acres of total land area that is part of a larger common plan of development or sale that will cumulatively disturb five acres or more.

8.14 "Municipal Separate Storm Sewer System" or "MS4"

An MS4 as defined in Chapter 62-624.200, F.A.C. (for more information)
<http://www.dep.state.fl.us/legal/Rules/shared/62-624.pdf>

8.15 "Nonstructural Controls"

Practices that are specifically intended to reduce the amount of pollution getting into stormwater or surface waters. Nonstructural controls are generally implemented to address the problem at the source. They do not require any structural changes to the facility. Examples of nonstructural control practices include pollution prevention BMPs, good housekeeping practices, and preventative maintenance programs.

8.16 "Notice of Intent" or "NOI"

Notice of Intent to be covered by this permit.

8.17 "Notice of Termination" or "NOT"

Notice of Termination to cease coverage under this permit.

8.18 "NPDES"

The Department's federally-approved National Pollutant Discharge Elimination System program authorized by Section 403.0885, F.S.

8.19 "NPDES Notices Center"

The place to which you submit your NOI, NOT, or other information related to the process of obtaining, implementing, or terminating coverage under the NPDES Program. The email address is: NPDES-stormwater@dep.state.fl.us

The mailing address is: NPDES Stormwater Notices Center, MS #3585
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

The phone number is: (866) 336-6312 (toll-free)

8.20 "Operator"

The person, firm, contractor, public organization, or other legal entity that owns or operates the construction activity and that has authority to control those activities at the project necessary to ensure compliance with the terms and conditions of this permit.

8.21 "Qualified Inspector"

A person that:

1. Has successfully completed the DEP Stormwater, Erosion, and Sedimentation Control Inspector Training Program and received a certificate of completion.
2. Has successfully completed an equivalent formal training program;
3. Is qualified by other training or practical experience in the field of stormwater pollution prevention and erosion and sedimentation control.

8.22 "Responsible Authority"

Per Rule 62-620.305, F.A.C., a responsible authority means:

1. For a corporation, a responsible corporate officer as described in Rule 62-620.305, F.A.C.
2. For a partnership or sole proprietorship, a general partner or the proprietor, respectively.
3. For a municipality, state, federal or other public facility, a principal executive officer or elected official.

8.23 "Small Construction Activity"

Construction activity resulting in the disturbance of equal to or greater than one acre and less than five acres of total land area. Small construction activity also includes the disturbance of less than one acre of total land area that is part of a larger common plan of development or sale that will cumulatively disturb equal to or greater than one acre and less than five acres.

8.24 "Stabilization"

The use of vegetative and/or non-vegetative cover BMPs to prevent erosion and sediment loss in areas exposed through the construction process.

8.25 "Storm Event"

A rainfall event that results in a measurable amount of rain. A storm event is defined to be a separate event when there is at least four hours of no rain between periods of rainfall.

8.26 "Stormwater"

The flow of water which results from, and which occurs immediately following, a rainfall event.

8.27 "Stormwater discharge associated with construction activity"

The discharge of stormwater from large or small construction activities, including areas where soil disturbing activities, construction materials handling or storage, equipment storage or maintenance are located.

8.28 "Structural Controls"

Curbs, dikes, berms, swales, diversions, retention systems, detention systems or other structures which capture and treat stormwater to reduce pollutants in stormwater discharges.

8.29 "SWPPP"

The Stormwater Pollution Prevention Plan - A site-specific, written document that, among other things: (1) identifies potential sources of stormwater pollution at the construction site; (2) describes stormwater control measures to reduce or eliminate pollutants in stormwater discharges from the construction site; and (3) identifies procedures the operator will implement to comply with the terms and conditions of this general permit.

8.30 "Surface Waters of the State"

Those surface waters, including wetlands that are described in section [403.031](#), F.S.

8.31 "Temporary Stabilization"

A condition where exposed soils or disturbed areas are provided a temporary vegetative and/or non-vegetative protective cover to prevent erosion and sediment loss. Temporary stabilization may include temporary seeding, geotextiles, mulches, and other techniques to reduce or eliminate erosion until either final stabilization can be achieved or until further construction activities take place to re-disturb this area.

8.32 "Uncontaminated"

A discharge that does not cause or contribute to an exceedance of applicable water quality standards.

8.33 "Water Management District" or "WMD"

The Northwest Florida Water Management District, the Suwannee River Water Management District, the St. Johns River Water Management District, the Southwest Florida Water Management District or the South Florida Water Management District.

OTHER ACRONYMS

BMP Best Management Practice

C.F.R. Code of Federal Regulations

CGP Construction Generic Permit

ERP Environmental Resource Permit

F.A.C. Florida Administrative Code

FDEP Florida Department of Environmental Protection

F.S. Florida Statutes

MS4 Municipal separate storm sewer system

NOI Notice of Intent

NOT Notice of Termination

NPDES National Pollutant Discharge Elimination System

SWPPP Stormwater Pollution Prevention Plan

PART 9: STANDARD PERMIT CONDITIONS	
	<i>What are the other terms of this permit?</i>

Any permit noncompliance constitutes a violation of Section 403.161, F. S. and is grounds for enforcement action; for permit coverage termination, or revocation; or for denial of permit coverage renewal.

For unauthorized releases or spills of treated or untreated wastewater reported that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, the operator must notify the State Warning Point (800-320-0519 or 850-413-9911) as soon as practical but no later than 24 hours from the time the permittee becomes aware of the discharge.

All of the general conditions listed in Rule 62-621.250, F.A.C., are adopted herein by reference.

9.1 What are the signatory requirements for the CGP?

- 9.1.1 All NOI, NOT, SWPPP, reports, certifications, or information either submitted to the Department or the operator of an MS4, or that this permit requires you to maintain, must be signed by the [responsible authority](#) unless you designate a duly authorized representative by submitting to the [Notices Center](#), in writing or by email, an authorization that names either an individual or a position having overall responsibility for the operation of the your project, such as the project engineer, project superintendent, a position of equivalent responsibility, or an individual or position having overall responsibility for implementing the CGP at the site.
- 9.1.2 If an authorization is no longer valid because a different individual or position has overall responsibility for the operation of your project, a new authorization satisfying the above requirements must be submitted to the Notices Center prior to or together with any reports, information, or applications to be signed by an authorized representative.
- 9.1.3 Inspection reports prepared pursuant to [Part 6.4](#) must be signed by the qualified inspector that prepared them as well as by a responsible authority.
- 9.1.4 Any person signing documents under this permit, except contractor or subcontractor certifications under [Part 4.5](#), must make the following certification:
 "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

9.2 What should I do upon a release of hazardous substances exceeding reporting quantities?

The discharge of hazardous substances or oil in the stormwater discharge(s) from a facility or activity must be prevented or minimized in accordance with the applicable stormwater pollution prevention plan for the facility or activity. This permit does not relieve the operator of the reporting requirements of [40 C.F.R. part 117](#) and [40 C.F.R. part 302](#). Where a release containing a hazardous substance in an amount equal to or in excess of a reporting quantity established under either 40 C.F.R. 117 or 40 C.F.R. 302, occurs during a 24 hour period:

- 9.2.1 The operator must notify the State Warning Point (800-320-0519 or 850-413-9911) as soon as he or she has knowledge of the discharge.
- 9.2.2 The operator must submit, within 14 calendar days of knowledge of the release, a written description of: the release (including the type and estimate of the amount of material released), the date that such release occurred, the circumstances leading to the release, and remedial steps to be taken, to the Florida Department of Environmental Protection, NPDES Stormwater Section, Mail Station 3585, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400 or by email at NPDES-stormwater@dep.state.fl.us
- 9.2.3 The SWPPP required under [Part 4](#) must be modified within seven calendar days of knowledge of the release to: provide a description of the release, the circumstances leading to the release, and the date of the release. In addition, the plan must be reviewed to identify measures to prevent the recurrence of such releases and to respond to such releases, and the plan must be modified where appropriate.

GENERAL NOTES

DEFINITIONS

- CITY - THE CITY OF DELRAY BEACH
- CONTRACTOR - UTILITY CONTRACTOR AND ALL UTILITY SUBCONTRACTORS
- ENGINEER - ENGINEER RESPONSIBLE FOR INSPECTION AND CERTIFICATION

PROCEDURE

- A PRE-CONSTRUCTION MEETING IS TO BE HELD PRIOR TO DELIVERY OF MATERIALS AND INITIATION OF ANY WATER, SEWER, AND RECLAIMED WATER CONSTRUCTION. THE MEETING SHALL BE ATTENDED BY THE CITY, CONTRACTOR, SUBCONTRACTORS, ENGINEER AND OTHER INTERESTED PARTIES.
- ANY REVISIONS TO THE APPROVED PLANS MUST BE APPROVED BY THE CITY PRIOR TO THE PRE-CONSTRUCTION MEETING.
- A MINIMUM OF THREE (3) COPIES OF THE CURRENT APPROVED PRODUCT LIST AND ALL NECESSARY SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO SCHEDULING THE PRE-CONSTRUCTION MEETING. ALL PIPE MANUFACTURERS SHALL SUBMIT THREE (3) COPIES OF AN AFFIDAVIT THAT THE PIPE AND COATINGS WERE MANUFACTURED IN ACCORDANCE WITH AWWA C151/A21.51-91.
- ALL APPLICABLE PERMITS MUST BE OBTAINED WITH COPIES PROVIDED TO THE CITY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN A CURRENT APPROVED SET OF CONSTRUCTION DOCUMENTS ON SITE AT ALL TIMES.
- ALL MATERIALS SUPPLIED SHALL CONFORM TO PRODUCT LIST AND SHOP DRAWINGS AS APPROVED BY THE CITY PRIOR TO CONSTRUCTION. ALL REQUESTS FOR MATERIAL SUBSTITUTION SHALL BE APPROVED PRIOR TO DELIVERY OF THESE MATERIALS TO THE JOB SITE.
- THE LOCATION OF THE EXISTING UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE FACILITIES SHOWN NOR FOR ANY FACILITY NOT SHOWN. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF OTHER UTILITIES (NOT SHOWN ON THE PLAN) EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD THERE BE UTILITY CONFLICTS, THE CONTRACTOR SHALL INFORM THE CITY AND NOTIFY THE RESPECTIVE UTILITY OWNER TO RESOLVE THE UTILITY CONFLICTS AND THE UTILITY ADJUSTMENTS AS REQUIRED.
- THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES FROM DAMAGE OR DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING SUCH MEASURES AS NECESSARY TO PROTECT THE HEALTH, SAFETY, AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING LOCATIONS OF ALL OTHER UTILITY FACILITIES.
- THE CONTRACTOR SHALL SCHEDULE INSPECTIONS AND TESTS WITH THE CITY A MINIMUM OF 24 HOURS IN ADVANCE.
- CONTRACTOR SHALL NOT DISTURB EXISTING CITY MAINS OR STRUCTURES WITHOUT THE PRESENCE OF A CITY INSPECTOR. CITY UTILITY SYSTEM VALVES AND APPURTENANCES MAY ONLY BE OPERATED BY CITY PERSONNEL.
- FACILITIES PROPOSED HEREIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS. DEVIATIONS FROM THE APPROVED PLANS MUST BE APPROVED IN ADVANCE BY THE CITY.
- UPON COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL ACCEPTANCE OF THE WORK, A FINAL INSPECTION SHALL VERIFY PROPER ADHERENCE TO ALL FACETS OF THE PLANS AND SPECIFICATIONS.
- PAVING, DRAINAGE AND TRAFFIC CONSTRUCTION SHALL CONFORM TO FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND DESIGN STANDARDS, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND PALM BEACH COUNTY TYPICAL T-P-10-001 (LATEST REVISION) UNLESS SHOWN OTHERWISE.
- AS-BUILT DRAWINGS SHALL BE PREPARED BY A REGISTERED LAND SURVEYOR, REGISTERED IN THE STATE OF FLORIDA, AND SUBMITTED BY THE CONTRACTOR TO THE CITY.
- CONTRACTOR SHALL NOTIFY SUNSHINE STATE ONE CALL (811) TWO FULL BUSINESS DAYS BEFORE DIGGING.
- GRADES SHOWN ON PLANS ARE FINISHED GRADES. THE CONTRACTOR SHALL BE REQUIRED TO ADJUST ALL EXISTING UTILITY CASTINGS INCLUDING SANITARY SEWER MANHOLE TOPS, VALVE BOXES, INLETS AND SIMILAR STRUCTURES TO FINISHED GRADE.
- CONTRACTOR SHALL MAINTAIN LOCAL TRAFFIC AT ALL TIMES DURING CONSTRUCTION AND SHALL BE REQUIRED TO PROVIDE ALL BARRICADES, LIGHTING, SIGNAGE AND FLAGMEN AS NECESSARY TO PROVIDE FOR THE SAFETY OF THE PUBLIC IN THE WORK AREA. THE CONTRACTOR SHALL SUBMIT A DETAILED TRAFFIC MAINTENANCE PLAN AT THE PRECONSTRUCTION MEETING.
- EXISTING BASE MATERIAL THAT IS REMOVED DURING CONSTRUCTION SHALL NOT BE USED IN THE CONSTRUCTION OF NEW LIMEROCK BASE.
- ALL VEGETATION, DEBRIS, CONCRETE OR OTHER UNSUITABLE MATERIAL SHALL BE LEGALLY DISPOSED OF OFF-SITE IN AN AREA AT THE CONTRACTORS EXPENSE.

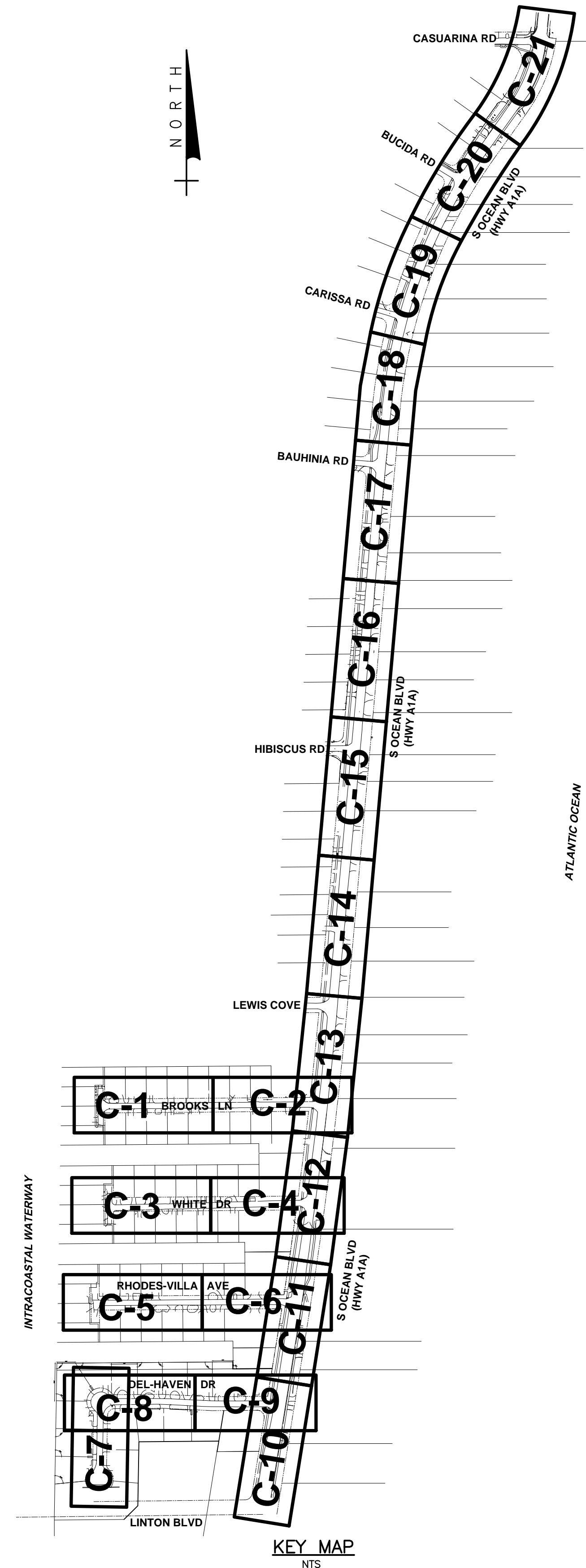
- CONTRACTOR SHALL UTILIZE CONSTRUCTION METHODS AND DEVICES, SUCH AS TURBIDITY SCREENS, CURTAINS AND FLOATING SILT BARRIERS WHERE NECESSARY IN ORDER TO COMPLY WITH ALL STATE AND LOCAL WATER QUALITY STANDARDS.
- ALL REINFORCED CONCRETE STORM SEWER PIPE SHALL BE CLASS III, UNLESS OTHERWISE NOTED. ALL PVC STORM PIPE SHALL BE A-2000 OR C900 PVC.
- ALL PAVED SURFACES SHALL BE PROPERLY MARKED PRIOR TO HOURS OF DARKNESS. PERMANENT PAVEMENT MARKING STALLS SHALL BE LAID OUT USING MARKING CHALK. LAYOUT TO BE REVIEWED BY THE CITY PRIOR TO PLACEMENT OF FINAL MARKING.
- EMBANKMENT (FILL) AND EXCESS MATERIAL REQUIRED FOR ROADWAY RECONSTRUCTION AND UTILITY INSTALLATIONS SHALL BE SUPPLIED AND/OR DISPOSED OF BY THE CONTRACTOR. ALL COSTS ASSOCIATED WITH EARTHWORK REQUIREMENTS TO COMPLETE THE ROADWAY RECONSTRUCTION AND UTILITY IMPROVEMENTS SHALL BE INCLUDED IN THE COSTS OF OTHER APPROPRIATE PAY ITEMS.
- CONTINUITY OF WATER AND SEWER SERVICE TO CITY UTILITY CUSTOMERS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THIS PROJECT. IF A BREAK IN SERVICE IS UNAVOIDABLE TO ACCOMMODATE CONNECTION OF NEW FACILITIES, IT SHALL BE SCHEDULED FOR OFF PEAK HOURS WITH THE CITY. DETERMINATION OF SERVICE BREAK REQUIREMENT WILL BE MADE BY THE CITY.
- SITE INFORMATION BASED ON A SURVEY PREPARED BY: DENNIS J. LEAVY & ASSOCIATES, INC.
- RELOCATION OF ANY UTILITY POLES AND GAS PIPE LINES SHALL BE COORDINATED BY THE CONTRACTOR WITH FLORIDA POWER AND LIGHT, AND FLORIDA PUBLIC UTILITIES, RESPECTIVELY, IF REQUIRED.
- ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER, SPECIFICALLY, THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES SHALL BE STRICTLY OBSERVED.
- ALL CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE AGENCIES HAVING JURISDICTION OVER THE R/W WHERE THE PROJECT IS CONSTRUCTED.
- MAINTENANCE OF TRAFFIC (MOT) PLANS SHALL MEET THE REQUIREMENTS OF FDOT DESIGN STANDARDS, 600 SERIES AND SECTION 102 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS FURTHER DEFINED IN THE SPECIFICATIONS OF THESE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL MAINTAIN ACCESS TO PRIVATE PROPERTY AT ALL TIMES.
- WATER MAINS, FORCE MAINS AND RECLAIMED WATER MAINS ARE TO BE LAID WITHIN 0.2 FEET OF THE DESIGN PROFILE.
- COVER SHALL BE A MINIMUM OF 3.0 FEET (TYPICAL) UNLESS OTHERWISE NOTED ON DRAWINGS.
- ALL DELETERIOUS MATERIAL SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE.
- IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
- ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAY OR WALKWAY SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
- EXISTING TRAFFIC SIGNS TO BE RESET PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO LOCATE, EXCAVATE AND PREPARE FOR CONNECTIONS TO THE EXISTING SYSTEMS ALL AS SHOWN ON THE DRAWINGS.
- STATIONS SHOWN ON THE DRAWINGS ARE STATIONS BASED ON THE ESTABLISHED BASELINE AND SHALL NOT BE CONSIDERED AS DISTANCES OR AS A MEASURE OF THE LINEAR FOOTAGE OF PIPE TO BE INSTALLED.
- CONTRACTOR SHALL MONITOR AND PROHIBIT THE DEFACING OF FRESHLY PLACED CONCRETE SURFACES. ANY CONCRETE SURFACES DEFACED SHALL BE REPLACED AT NO ADDITIONAL COST TO THE CITY.
- CLEARING AND GRUBBING SHALL INCLUDE REMOVAL OF ALL VEGETATION WITHIN RIGHT-OF-WAY AS REQUIRED TO CONSTRUCT THE REQUIRED IMPROVEMENTS.
- PROJECT SITE SAFETY:
 - THE ENGINEER/OWNER OR THEIR EMPLOYEES HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER THE CONTRACTOR, ANY SUB-CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY JOBSITE HEALTH OR SAFETY PRECAUTIONS.
 - THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOBSITE SAFETY, AND WARRANTS THAT THIS INTENT IS MADE EVIDENT BY THE AGREEMENT BETWEEN OWNER AND CONTRACTOR.
 - ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES SHOWN ON THESE DRAWINGS OR ENCOUNTERED THROUGH THE PROGRESSION OF WORK AT THIS PROJECT SITE ARE ASSUMED TO BE LIVE, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS WHEN WORKING AROUND EXISTING OVERHEAD OR UNDERGROUND UTILITIES.

GENERAL INFORMATION

1. AT&T TELEPHONE, FLORIDA POWER AND LIGHT, CABLE TV, GAS, ETC. ARE TAKEN FROM FIELD INSPECTIONS AND SKETCHES PROVIDED BY UTILITIES AND ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR SHALL CONTACT ALL UTILITY OWNERS AND CONFIRM LOCATIONS OF UTILITIES NO LESS THAN TWO FULL BUSINESS DAYS BEFORE DIGGING. THE CONTRACTOR SHALL ACCURATELY LOCATE AND UNCOVER ALL EXISTING UTILITIES BEFORE BEGINNING CONSTRUCTION WHERE CROSSING OR PARALLELING OF EXISTING UTILITIES OCCUR. ANY DAMAGE RESULTING FROM THE CONTRACTORS OPERATION SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.

EROSION CONTROL NOTES:

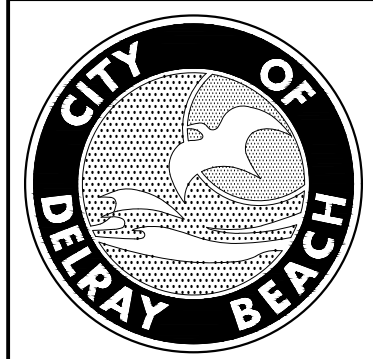
- CUT AND FILL SLOPES TO BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. SILT FENCES TO BE USED WHERE NECESSARY.
- CONSTRUCTION VEHICLE ACCESS ROUTES SHALL BE SWEEP CLEAN OF SEDIMENT, CONCRETE AND OTHER CONSTRUCTION MATERIALS AS NEEDED.
- ALL BERMS, DIKES AND SPOIL PILES SUBJECT TO EROSION MUST BE STABILIZED OR CONTAINED TO PREVENT EROSION AND RUNOFF FROM THE PROJECT.
- ALL EXISTING STORM SEWER INLET GRATES TO BE COVERED WITH FILTER FABRIC DURING CONSTRUCTION.



KEY MAP
NTS

BIDDING

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 Layout Tab: G-2



CITY of DELRAY BEACH
ENVIRONMENTAL SERVICES DEPARTMENT
 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444
 Phone: (561) 243-7322 Fax: (561) 243-7314



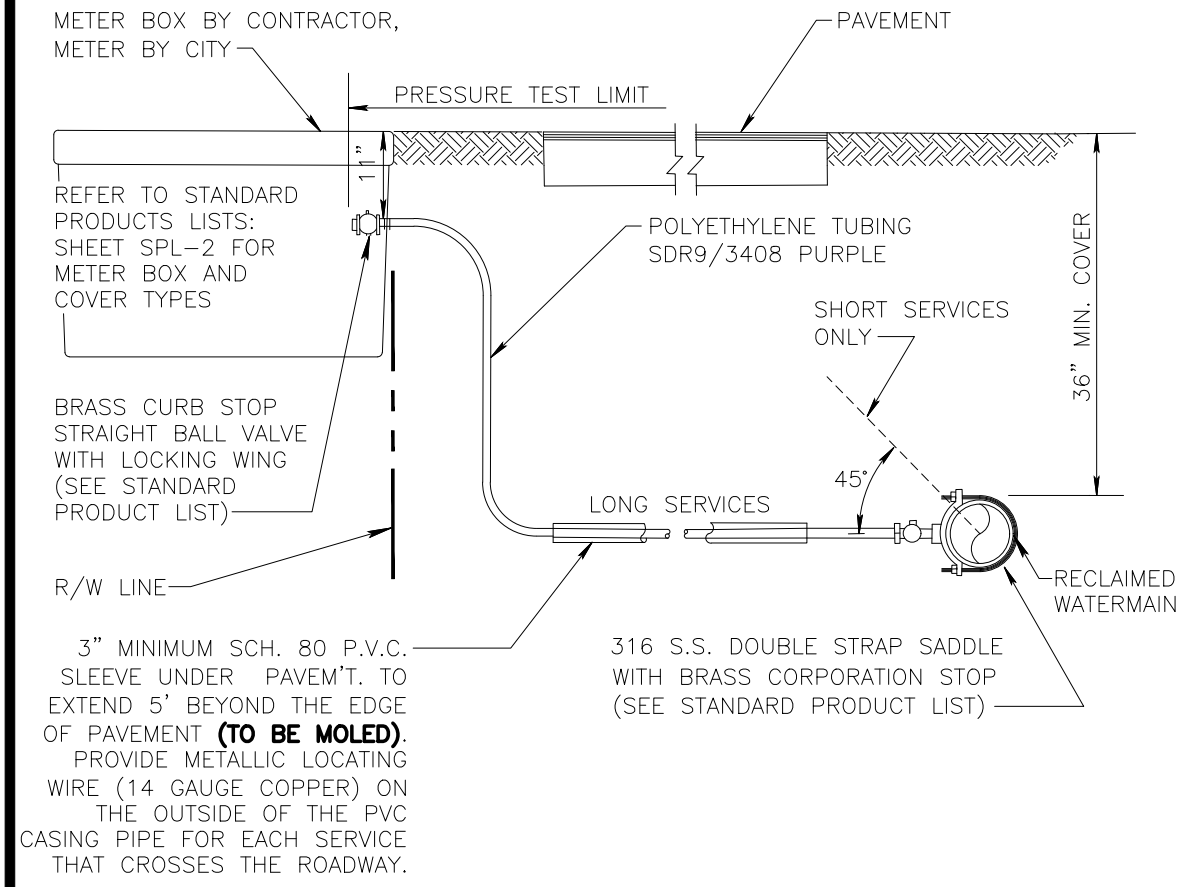
ENGINEER'S SEAL
 FOR THE
 CITY OF DELRAY BEACH

DESIGNED BY	M.R.T./C.M.				
DRAWN BY	J.A.J./F.R.C.				
CHECKED BY	D.L.M./A.C.				
DATE	06/17	REVISION	DATE	DESCRIPTION	BY

CITY OF DELRAY BEACH
 RECLAIMED WATER EXPANSION - AREA 12C
 GENERAL NOTES, INFORMATION AND KEY MAP

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16 - 024
 DRAWING NO.
G-2
 FILE ID. 1851G02.DWG

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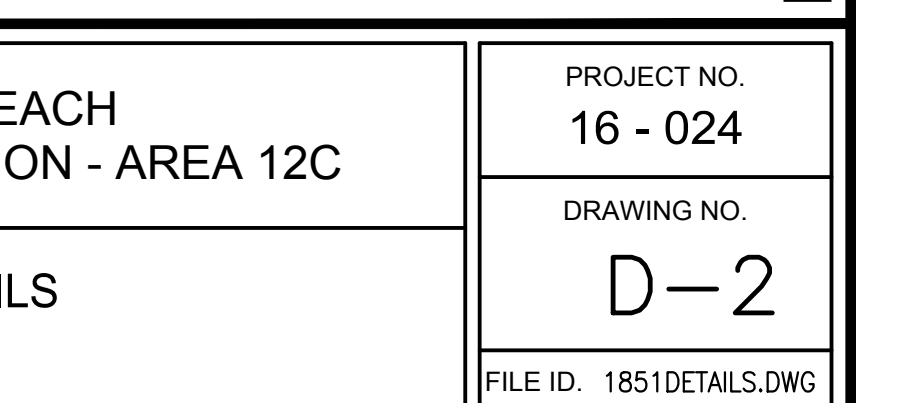
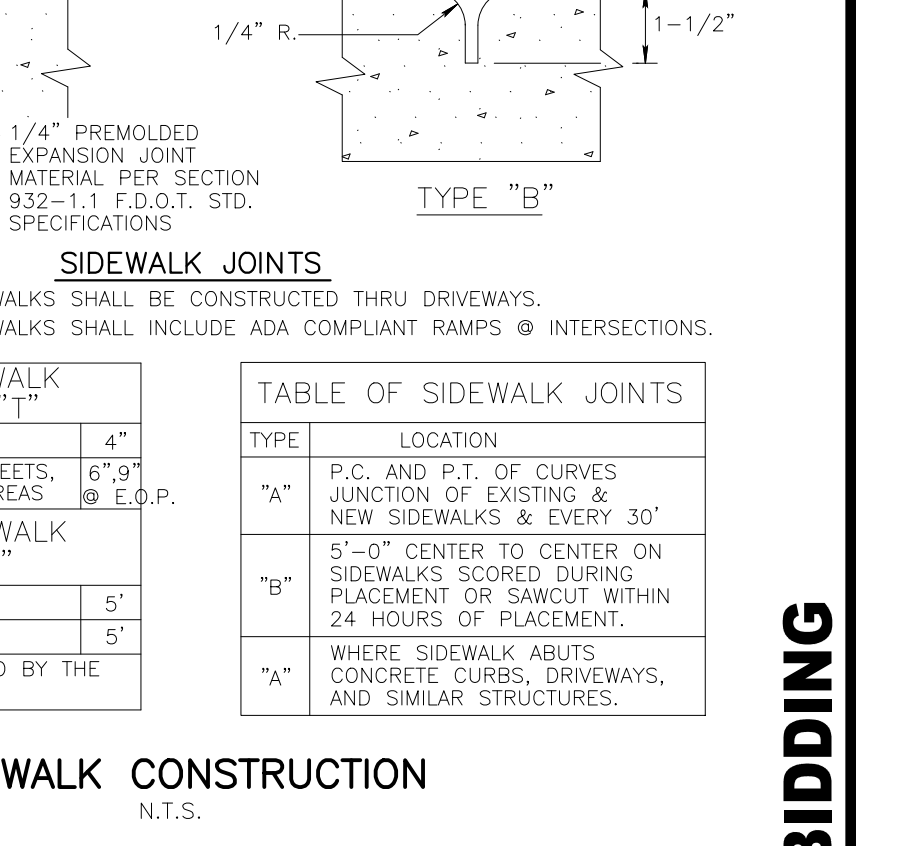
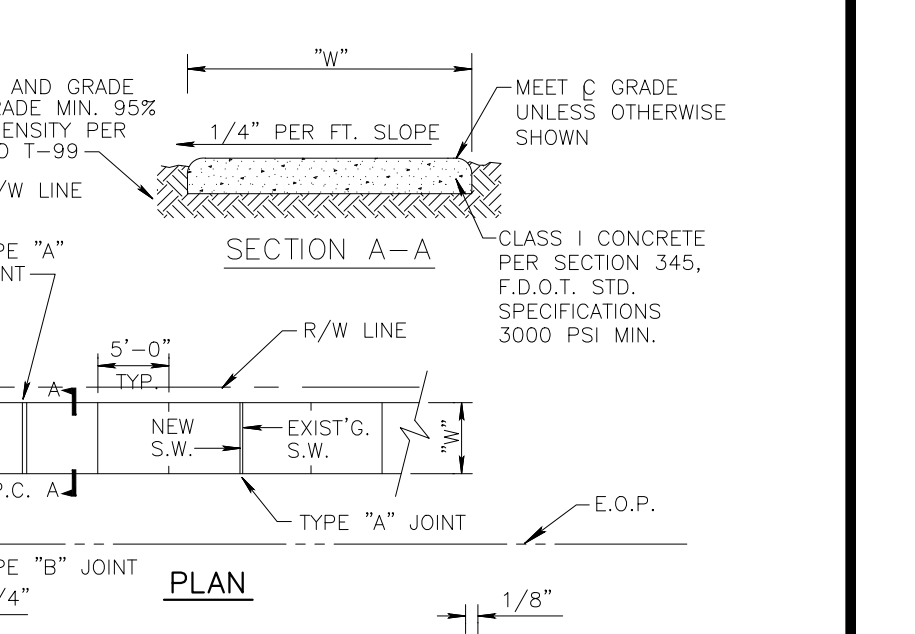
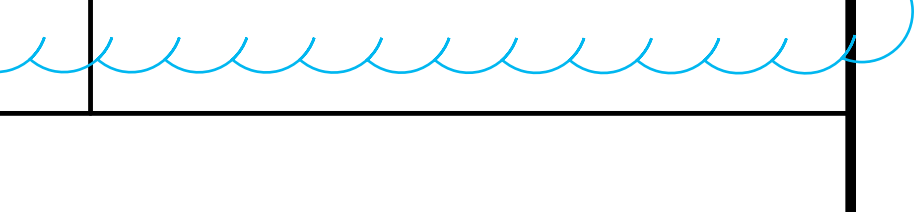
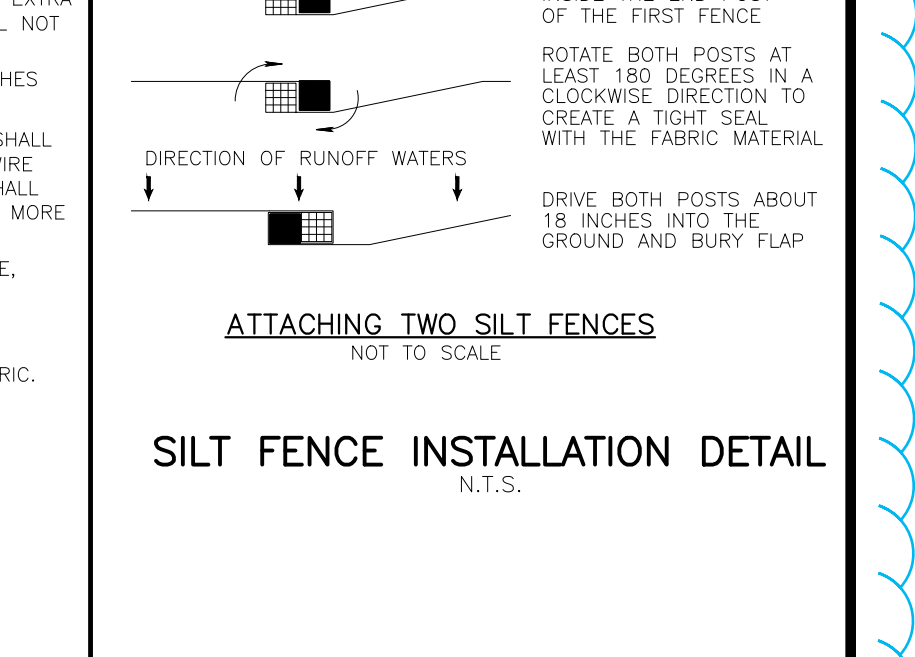
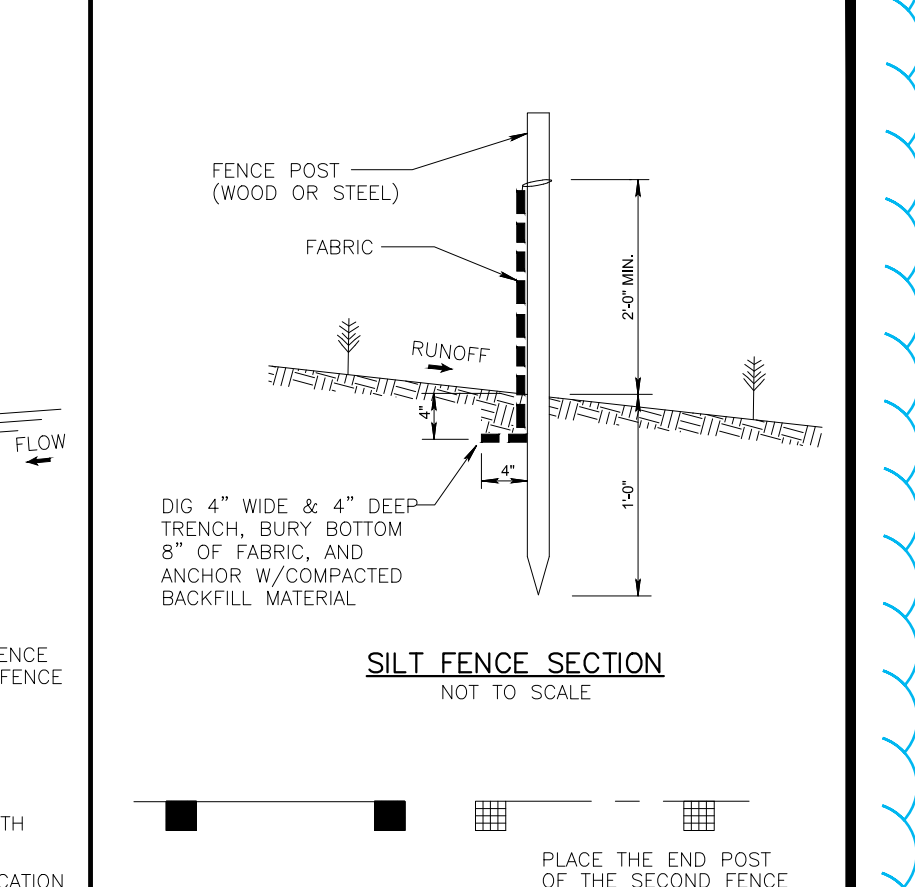
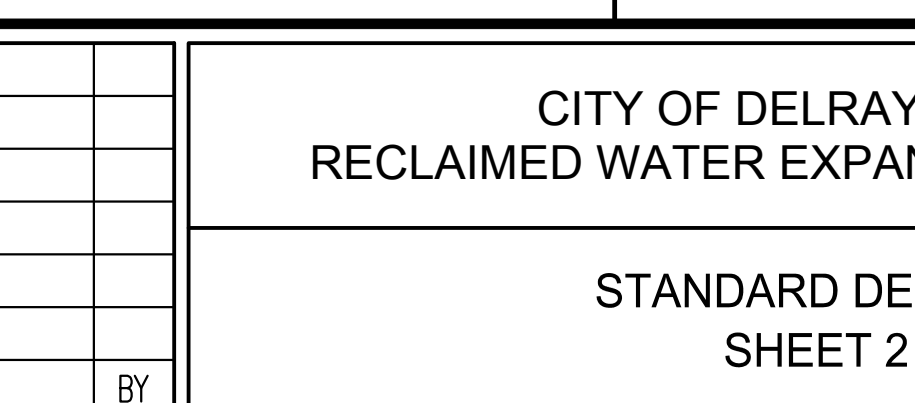
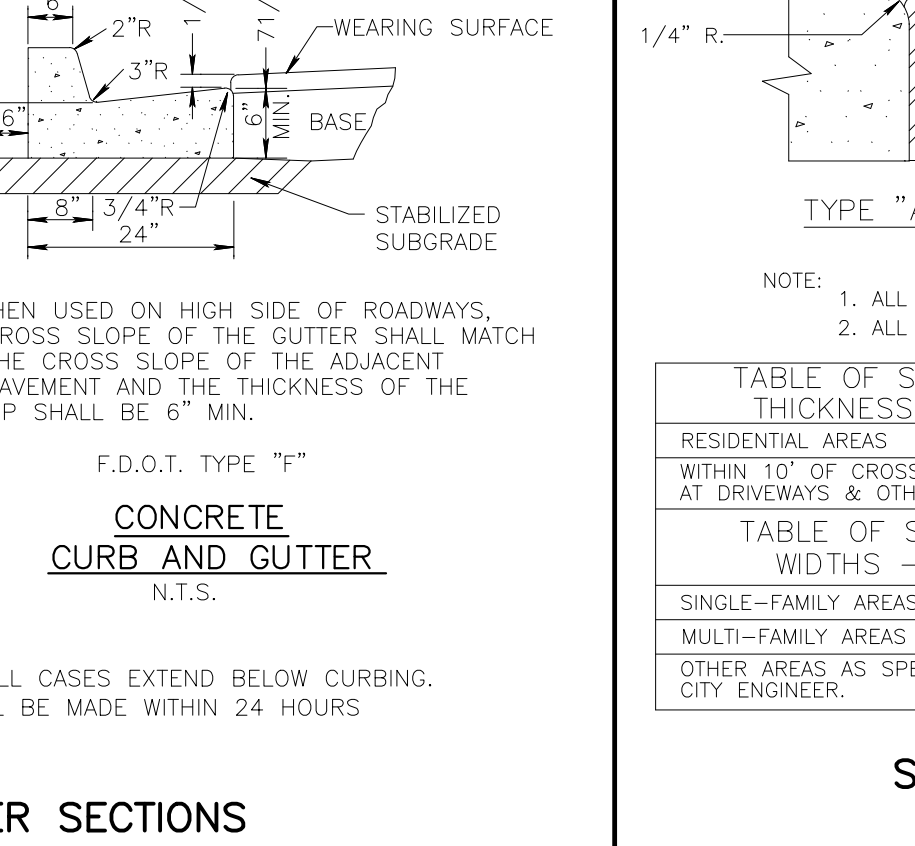
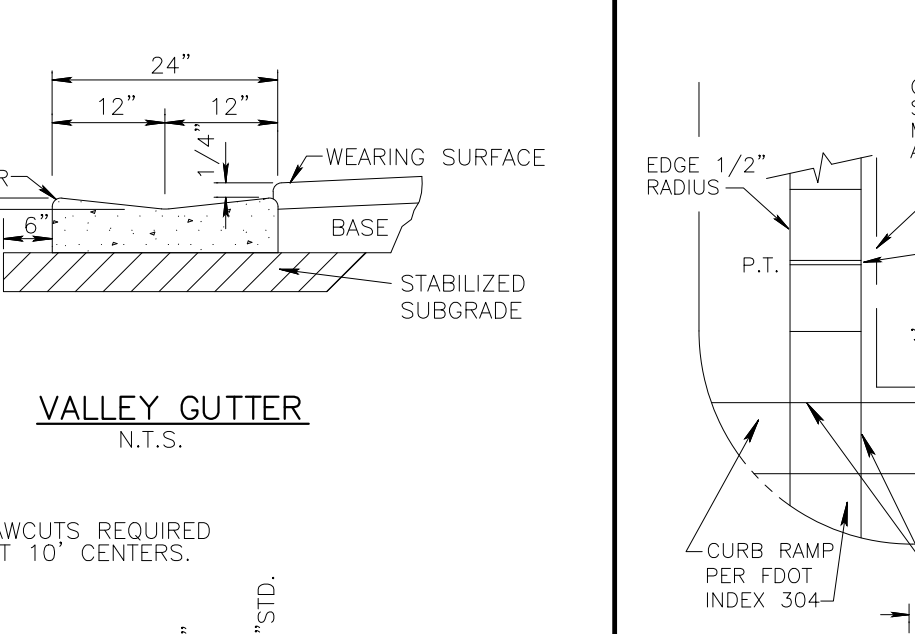
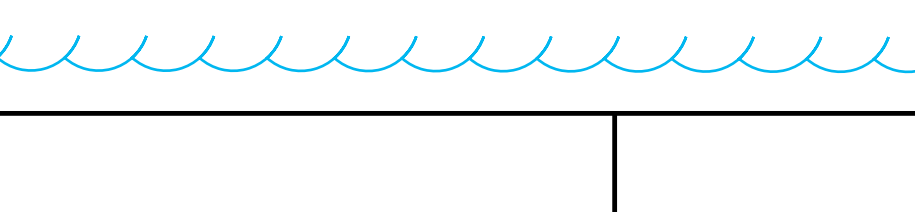
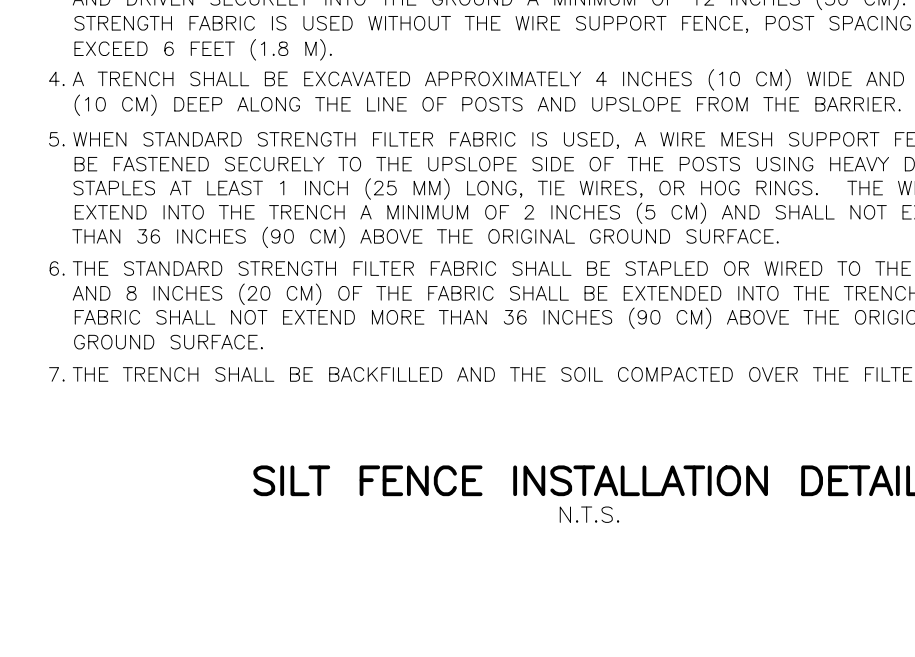
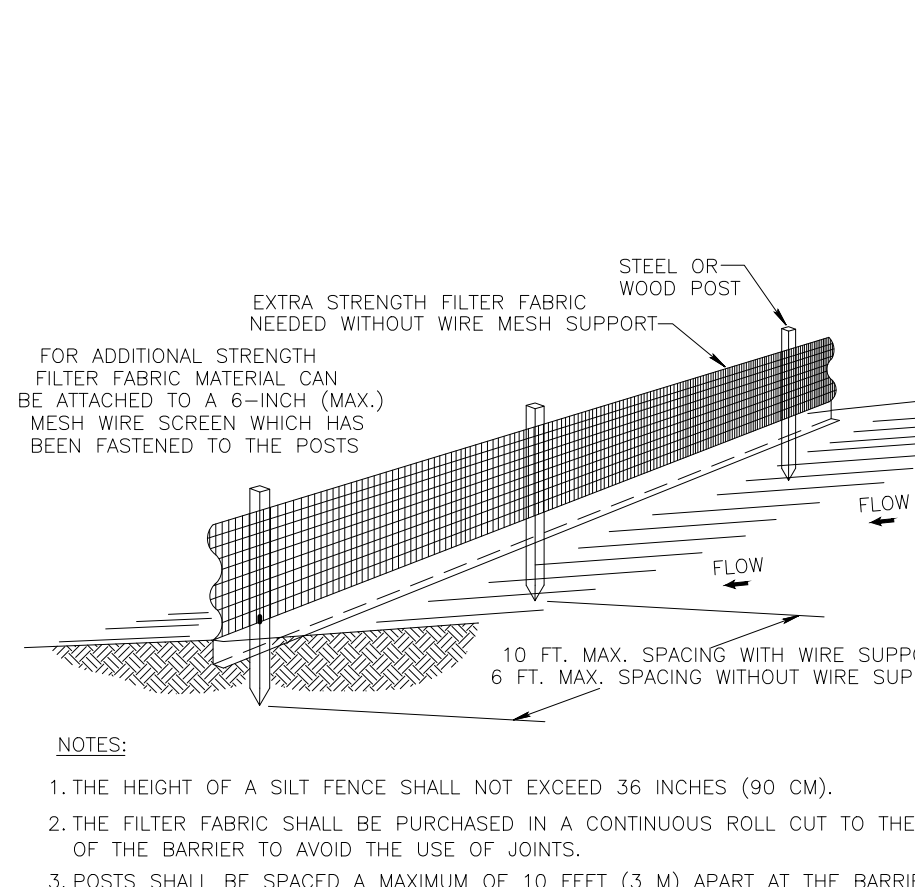
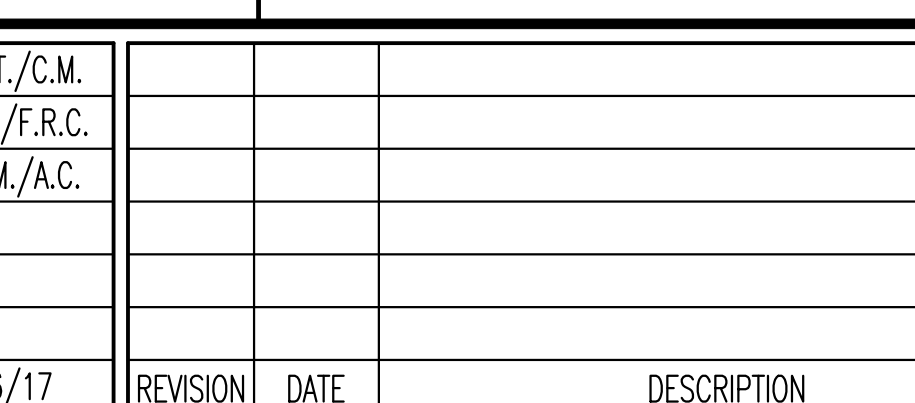
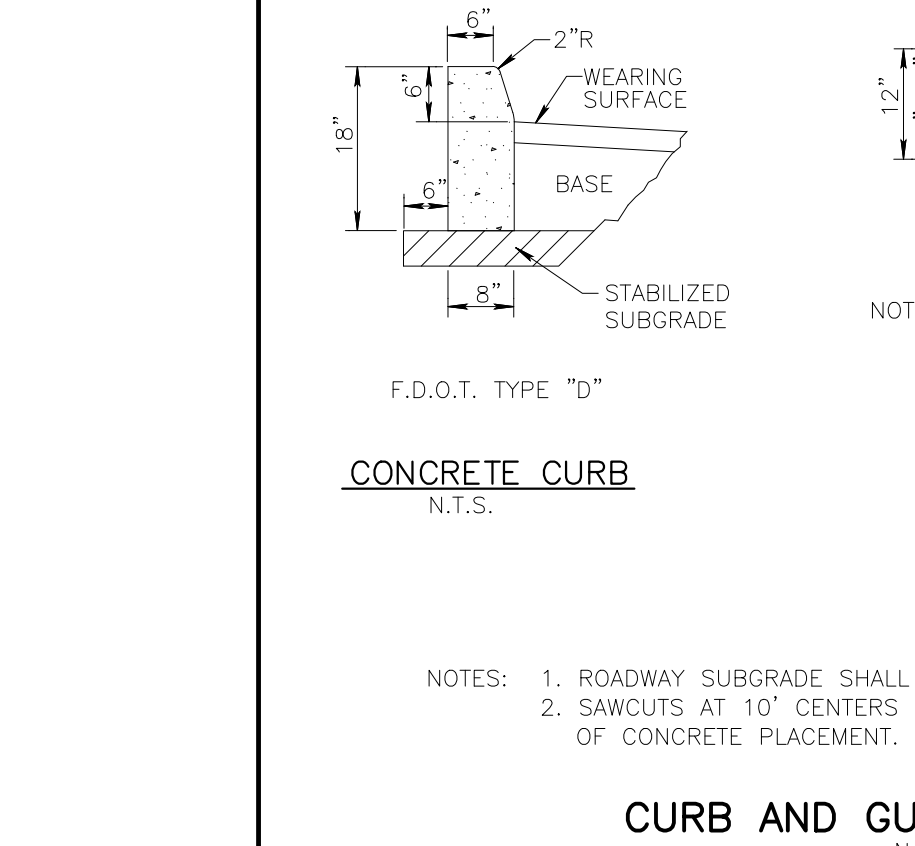
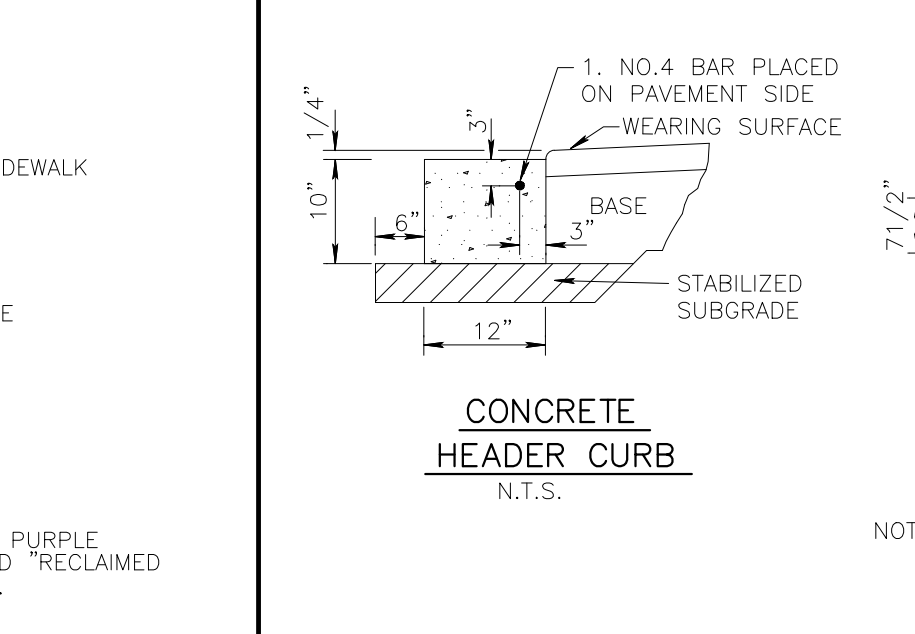
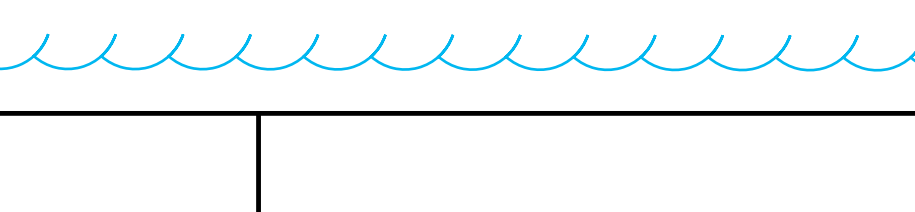
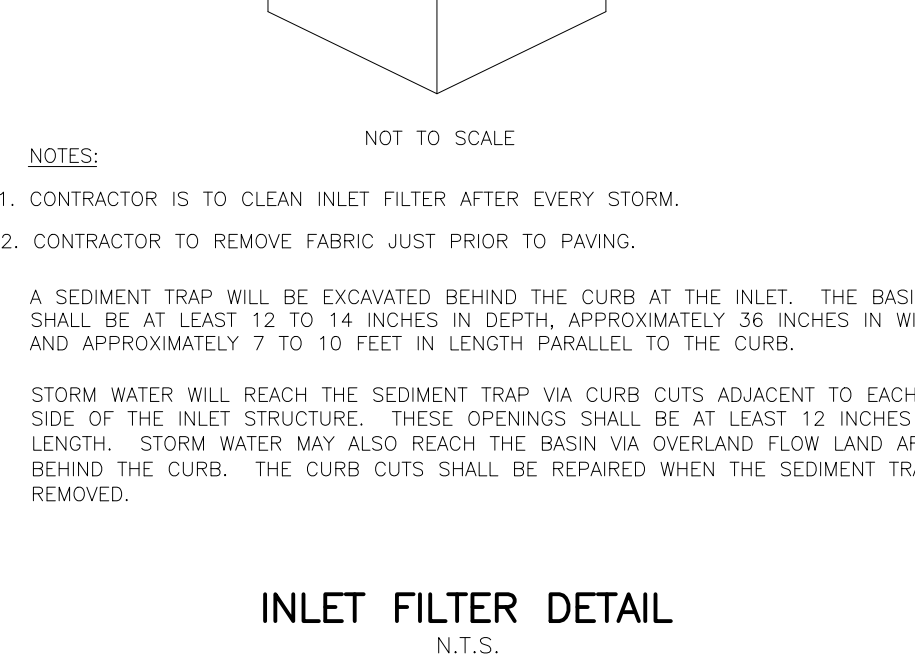
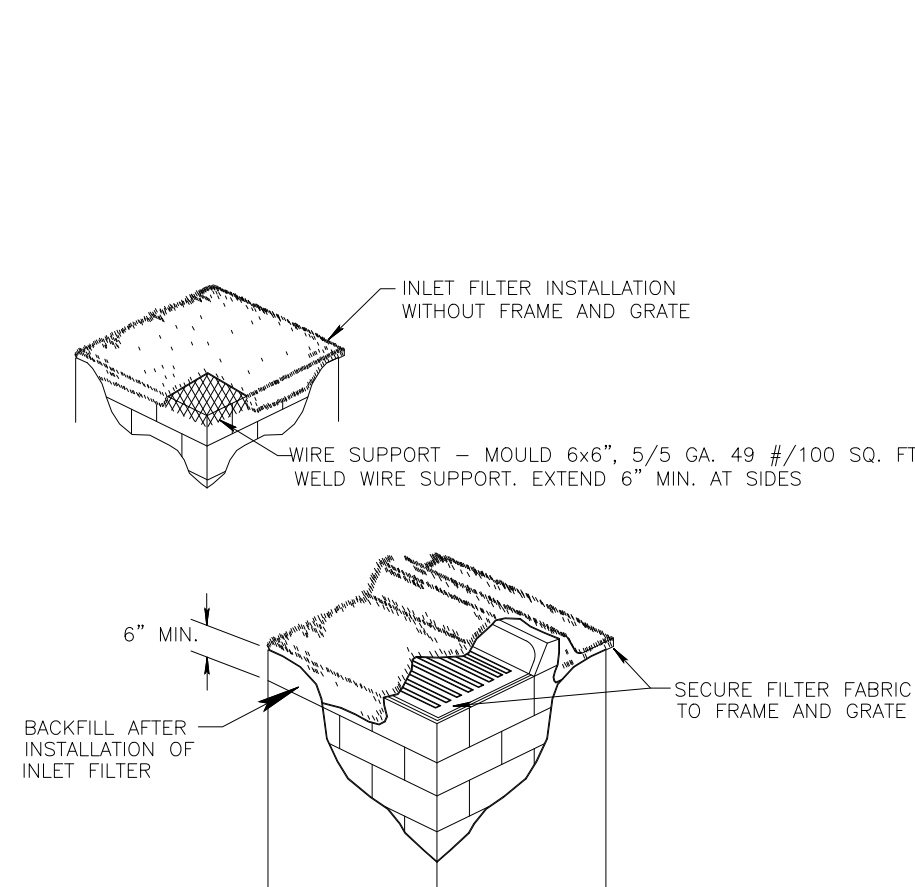
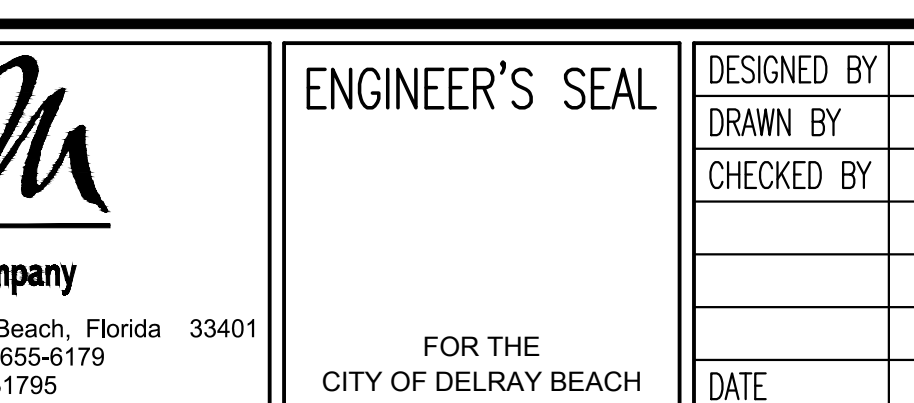
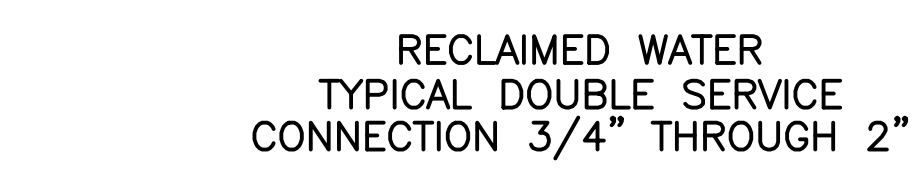
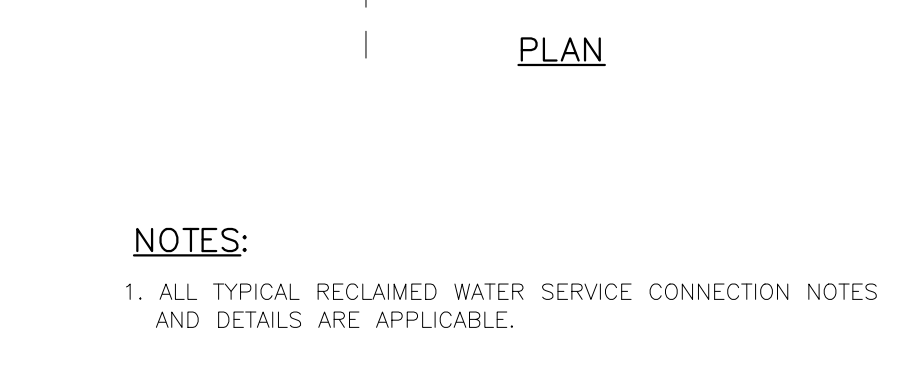
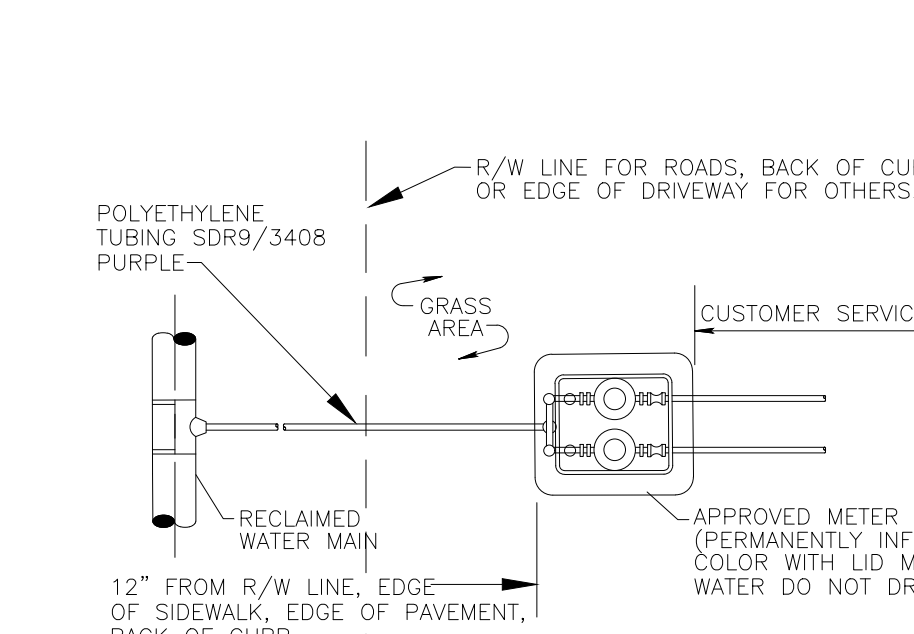
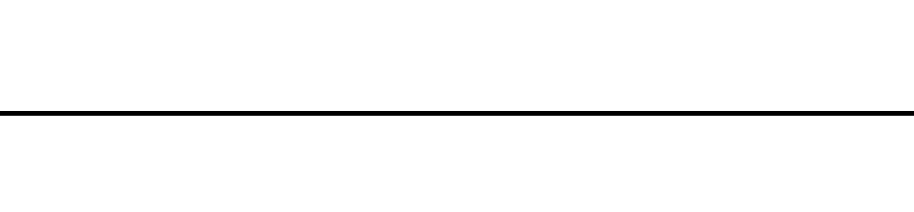
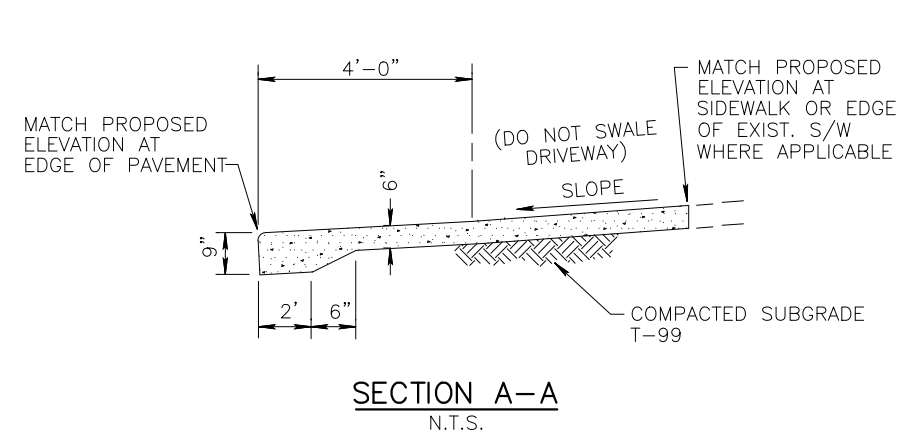
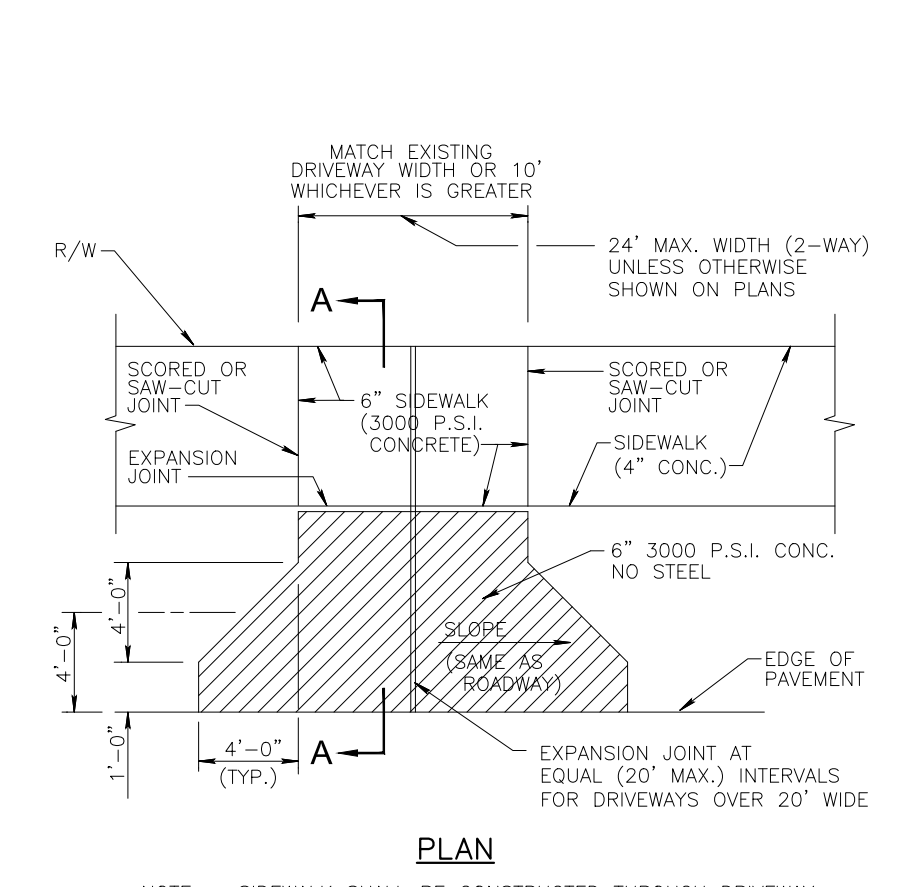
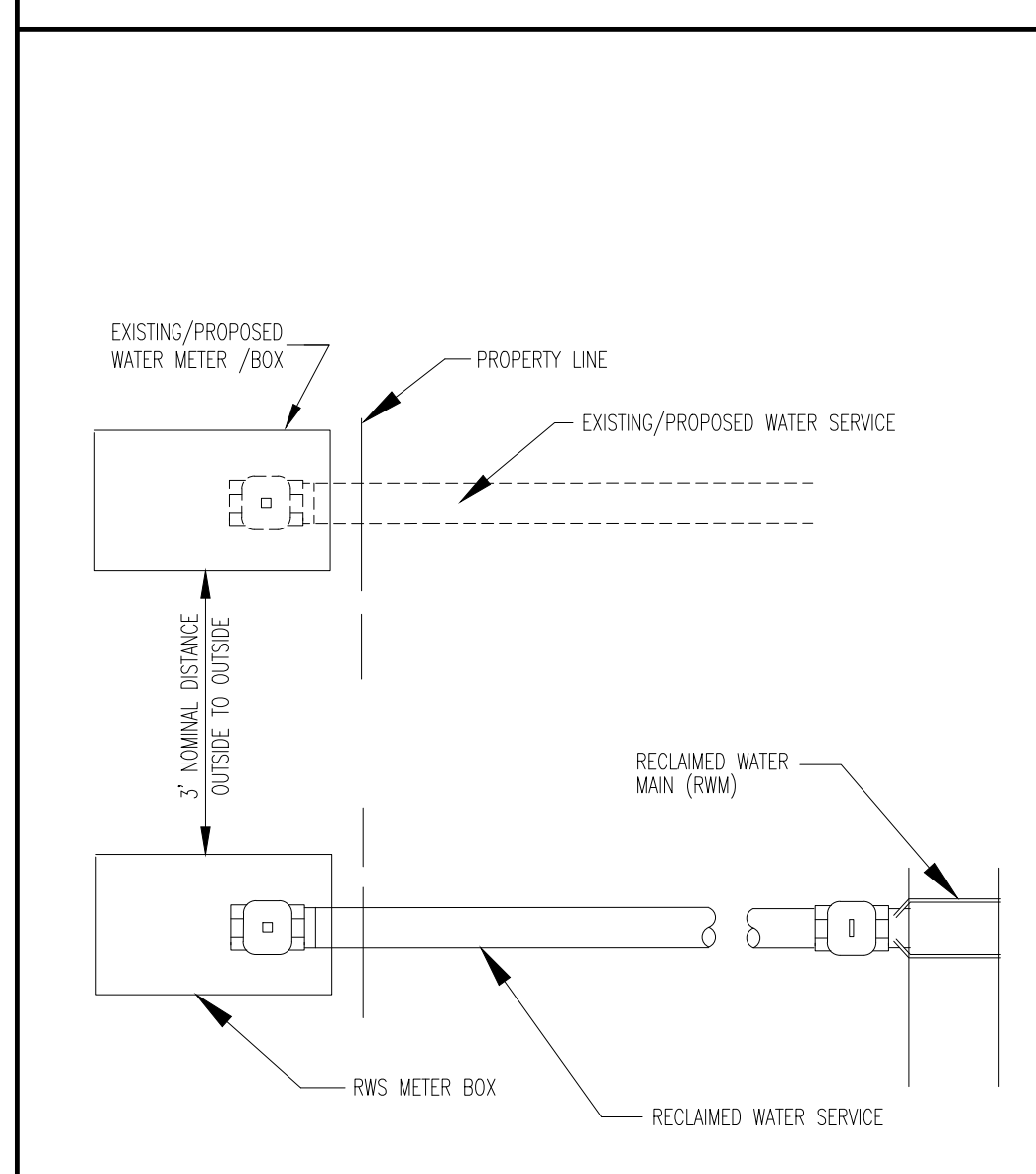
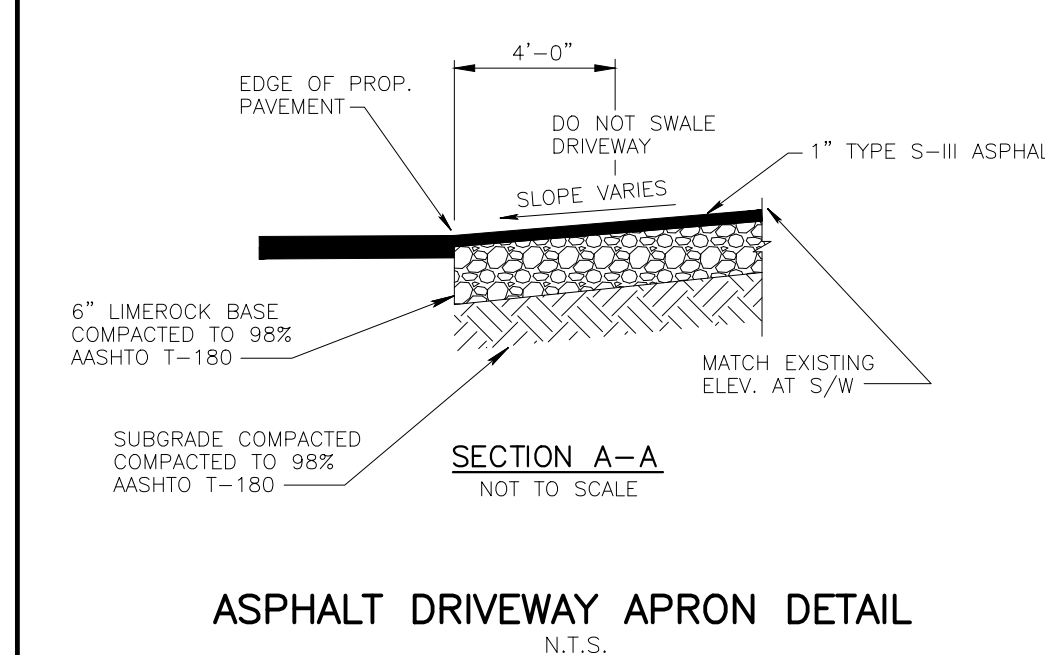
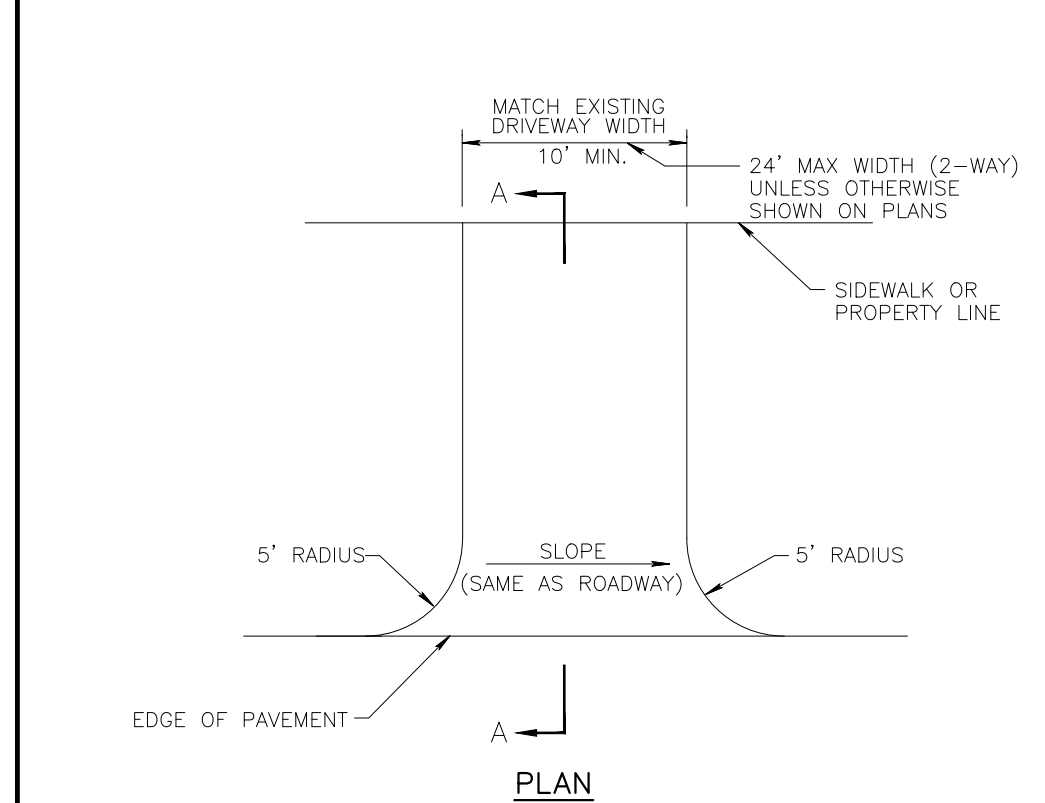
THE METER BOXES SUPPLIED BY THE CONTRACTOR SHALL BE AS FOLLOWS:

METER BOXES:

METER BOXES:	BROOKS	MID-STATES PLASTICS	CDR
3/4" - 1"	#37 BODY	MSBCF1118-12 (12" BOX) MSBCF1118-18XL (18" BOX)	WA03-1118-12 (12" BOX STRAIGHT WALL ONLY) WA03-1118-18 (18" BOX)
3/4" - 1" (DOUBLE BOX)			WA03-1517-12 WITH WC00-1517-2C COVER
1 1/2" - 2"	#38 BODY	MSBCF1324-12 (12" BOX) MSBCF1324-18XL (18" BOX)	A00-1324-12 OR A02-1324-12 (HEAVY DUTY) A00-1324-18 OR A02-1324-18 (HEAVY DUTY)

METER BOX LIDS:	TRAFFIC:	TOUCH READ:
1" BOX	WC00-1118-2C	WC00-1118-2TR
2" BOX	WC00-1324-2C	WC00-1324-2TR

- NOTES:**
- SUCCESSIVE TAPS INTO THE RECLAIMED WATER MAIN SHALL BE SPACED A MINIMUM OF 18" ON CENTER.
 - SERVICE LINES SHALL NOT BE PLACED UNDER DRIVEWAYS.
 - ALL METERS REQUIRE A LOCKING BRASS CURB STOP WITH LOCK WING (1" MIN.).
 - NO FITTINGS BETWEEN CORPORATION STOP AND BRANCH ASSEMBLY.
 - MAXIMUM SERVICE LENGTH IS 100' TO METER.
 - MINIMUM BEND RADIUS ON SERVICES SHALL BE 14" ON ALL SERVICES BEHIND METER.
 - METER SIZE WILL BE DETERMINED BY PUBLIC UTILITIES DEPT. UPON APPLICATION FOR SERVICE.
 - ALL VALVES TO BE BALL VALVES.
 - METER BOX SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR.
 - METER BOX SHALL BE PERMANENTLY INFUSED PURPLE COLOR WITH LID MARKED "RECLAIMED WATER DO NOT DRINK."
 - 12" MINIMUM CLEARANCE TO BE MAINTAINED BETWEEN METER BOX AND ANY OBSTRUCTION.
 - FOR INSTALLATION OF SERVICES (TO BE MOLED) UNDER DRIVEWAYS AND ROADWAYS A CASING WILL BE USED. PVC SCH 80 OR HDPE SDR 9 PURPLE CASING, CASING TO EXTEND MIN. 5' BEYOND EDGE OF PAVEMENT. END OF CASING TO BE SEALED WITH CEMENT. CASING SLEEVE SHALL BE 3" MINIMUM.
 - METER SHALL NOT BE PLACED IN SIDEWALK OR DRIVEWAY AREAS. SERVICE LINES AND TAPS SHALL NOT BE PLACED UNDER DRIVEWAYS WHENEVER POSSIBLE.
 - CHECK VALVE IS REQUIRED FOR EVERY RECLAIMED WATER SERVICE. CHECK VALVE SHALL BE PLACED ON DEVELOPER SIDE OF METER.
 - BEDDING (MIN. 4") AND COVER (MIN. 4") OVER SERVICE LINE OR CASING SHALL CONSIST OF FINE GRANULAR MATERIAL. UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS AND LARGER ROCKS SHALL BE REMOVED WITH 2" MAXIMUM SIZE.
 - METER SERVICE WILL NOT BE INSTALLED UNTIL:
 - A. FORM BOARDS FOR DRIVEWAY AND/OR SIDEWALK ARE IN PLACE OR DRIVEWAY OR SIDEWALK IS IN PLACE
 - B. "MINIMUM UNOBSTRUCTED SPACE" (AS SHOWN) IS PROVIDED. MINIMUM 12" VERT. SEPARATION IS REQUIRED TO OTHER UTILITIES
 - METER TO BE SET BY CITY.
 - THE DEVELOPER/PROPERTY OWNER OR ASSIGNEE SHALL BE RESPONSIBLE FOR INSTALLATION OF SERVICES BEYOND PRESSURE TEST LIMITS AS SPECIFIED BY THE CITY.
 - PIPING VALVE & BOX TO BE PERMANENTLY IDENTIFIED AS "RECLAIMED WATER SYSTEM."



RESIDENTIAL AREAS	4"
WITHIN 10' OF CROSS-STREETS, AT DRIVEWAYS & OTHER AREAS	6", 9" @ E.O.P.

TYPE	LOCATION
"A"	P.C. AND P.T. OF CURVES WITHIN 10' OF CROSS-STREETS, AT DRIVEWAYS & OTHER AREAS, NEW SIDEWALKS & EVERY 30'
"B"	5'-0" CENTER TO CENTER ON SIDEWALKS SCORED DURING PLACEMENT OR SAWCUT WITHIN 24 HOURS OF PLACEMENT.
"A"	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES.

NOTE: 1. ALL SIDEWALKS SHALL BE CONSTRUCTED THRU DRIVEWAYS.
 2. ALL SIDEWALKS SHALL INCLUDE ADA COMPLIANT RAMPS @ INTERSECTIONS.

CITY of DELRAY BEACH
 ENVIRONMENTAL SERVICES DEPARTMENT
 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444
 Phone: (561) 243-7322 Fax: (561) 243-7314

MATHEWS CONSULTING
 a BAXTER & WOODMAN company
 277 S. Rosemary Avenue, Suite 330, West Palm Beach, Florida 33401
 Phone: 561-655-6175 Fax: 561-655-6179
 www.baxterwoodman.com EB-31795

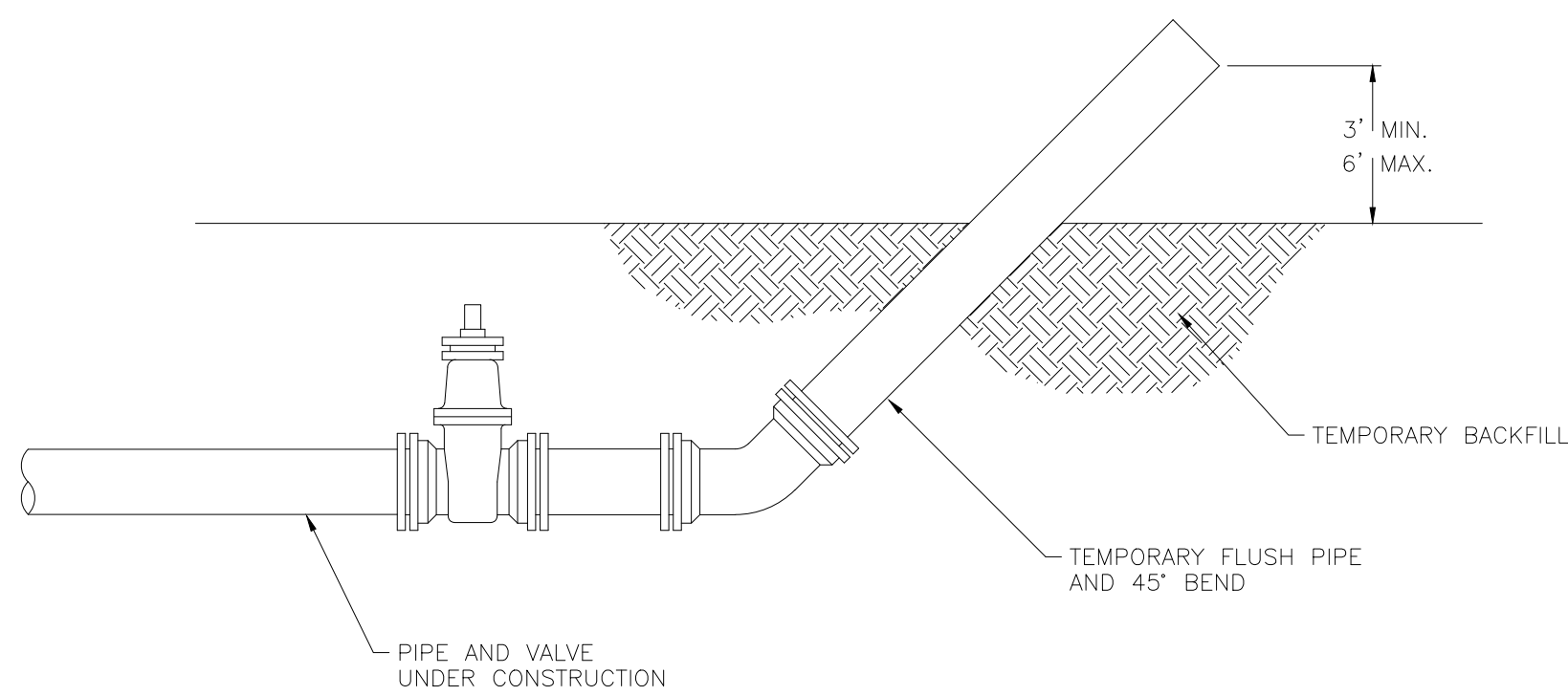
ENGINEER'S SEAL
 FOR THE CITY OF DELRAY BEACH

DESIGNED BY	M.R.T./C.M.	DATE	REVISION	DATE	DESCRIPTION	BY
DRAWN BY	J.A.J./F.R.C.	06/17				
CHECKED BY	D.L.M./A.C.					

CITY OF DELRAY BEACH
 RECLAIMED WATER EXPANSION - AREA 12C
 STANDARD DETAILS
 SHEET 2

PROJECT NO. 16-024
 DRAWING NO. D-2
 FILE ID: 1851DETAILS.DWG

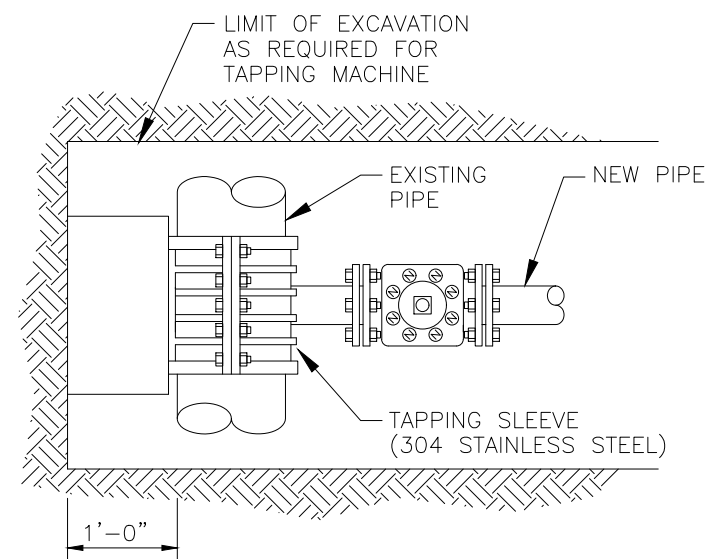
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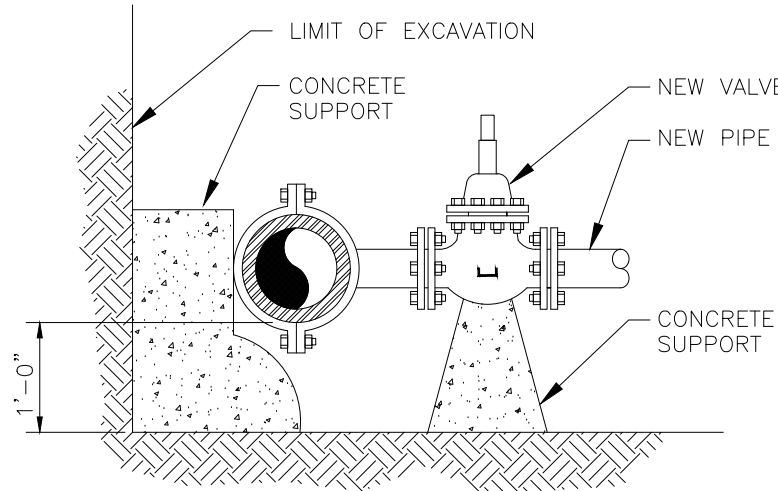
NOTES:

- UPON COMPLETION OF THE PIPE INSTALLATION FOR ANY SECTION, THE MAINS SHALL BE SWABBED TO REMOVE DIRT AND ANY OTHER FOREIGN MATTER BY ACHIEVING A MINIMUM VELOCITY OF 2.5 FEET PER SECOND IN THE PIPE. TEMPORARY FITTINGS, PIPE, ETC. MAY BE NEEDED TO FACILITATE FLUSHING.
- INSTALL A 45° BEND AND ASSOCIATED PIPING AS SHOWN TO DIRECT THE FLUSHING WATER AWAY FROM THE IMMEDIATE WORK AREA AND EXERCISE DUE CARE SO AS TO ENSURE THAT THE WATER USED IN FLUSHING DOES NOT CAUSE A NUISANCE OR INFLECT PROPERTY DAMAGE.
- BENDS AND PIPING SHALL BE THE SAME SIZE AS THE LINE TO BE FLUSHED.
- PRIOR TO THE ACTUAL LINE FLUSHING OPERATION, THE CONTRACTOR SHALL PROPERLY NOTIFY THE DEPARTMENT INSPECTOR OF SUCH INTENDED WATER USE.
- NO EXISTING VALVES SHALL BE TURNED ON OR OFF, EXCEPT BY AUTHORIZED DEPARTMENT PERSONNEL.
- FLUSHING SHALL NOT BE ACCOMPLISHED WITHOUT THE ACTUAL PRESENCE OF THE DEPARTMENT INSPECTOR.
- AFTER THE LINE UNDER CONSTRUCTION HAS BEEN SUCCESSFULLY FLUSHED THE CONTRACTOR SHALL REMOVE THE TEMPORARY PIPING ARRANGEMENT AND PROCEED WITH THE REMAINING CONSTRUCTION AS SPECIFIED.
- THERE MAY BE SPECIAL REQUIREMENTS FOR FLUSHING PIPE LARGER THAN 12" DIAMETER

CLEANING FLUSHING PROCEDURE

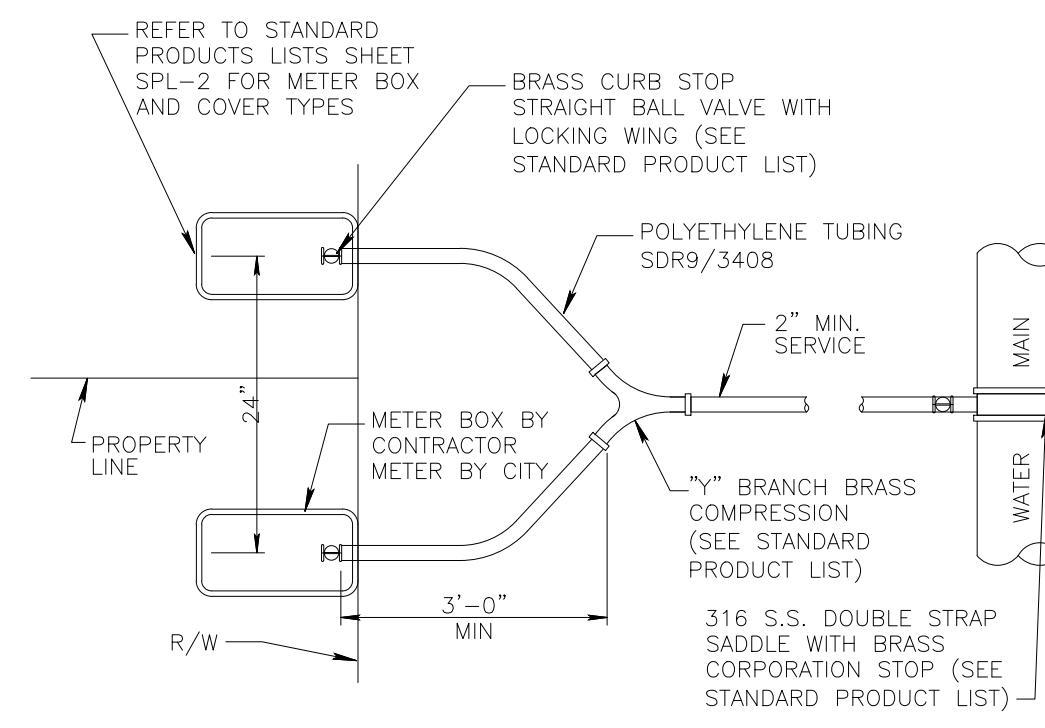


PLAN VIEW



SECTIONAL VIEW

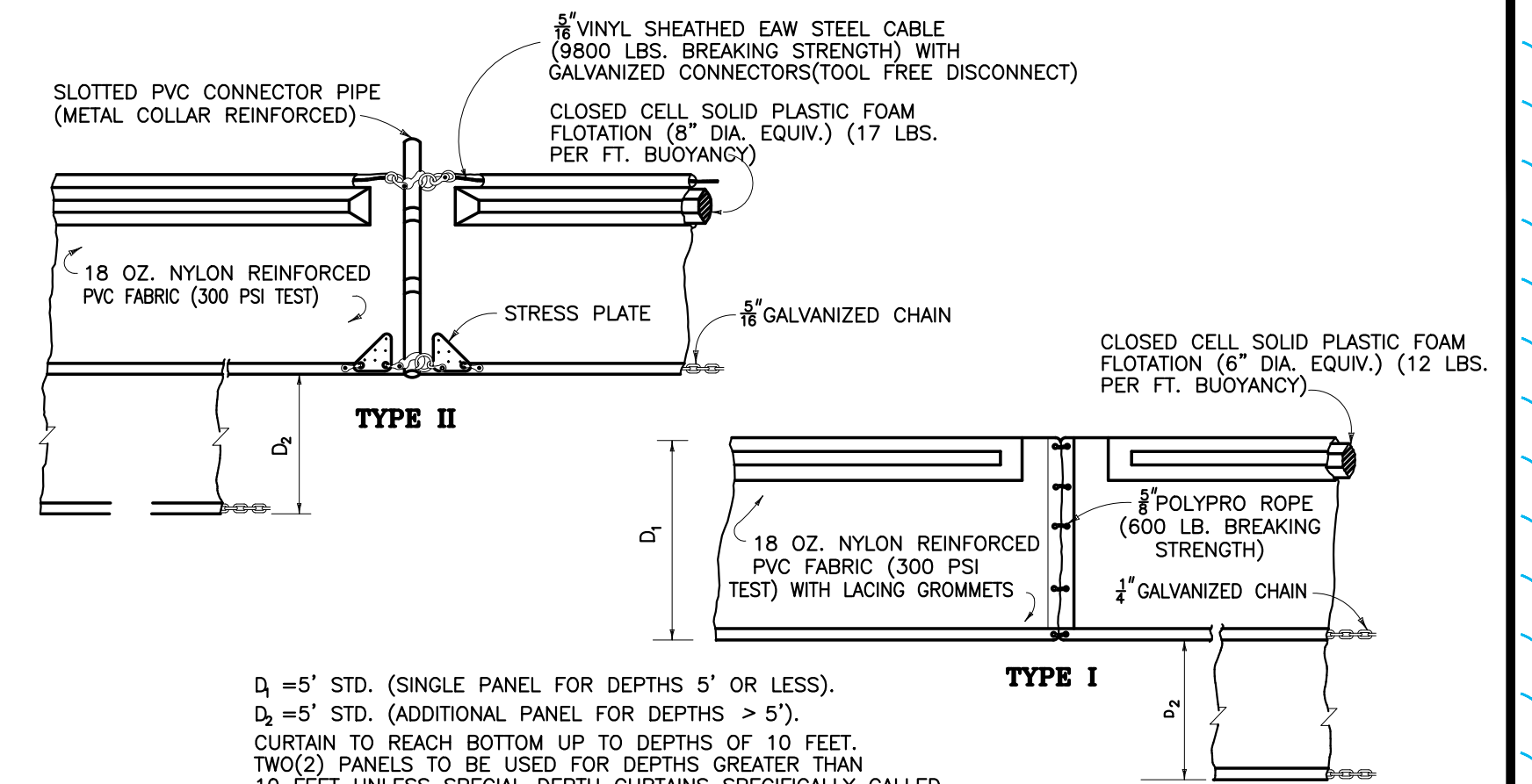
TAPPING SLEEVE AND VALVE INSTALLATION DETAIL
NOT TO SCALE



NOTES:

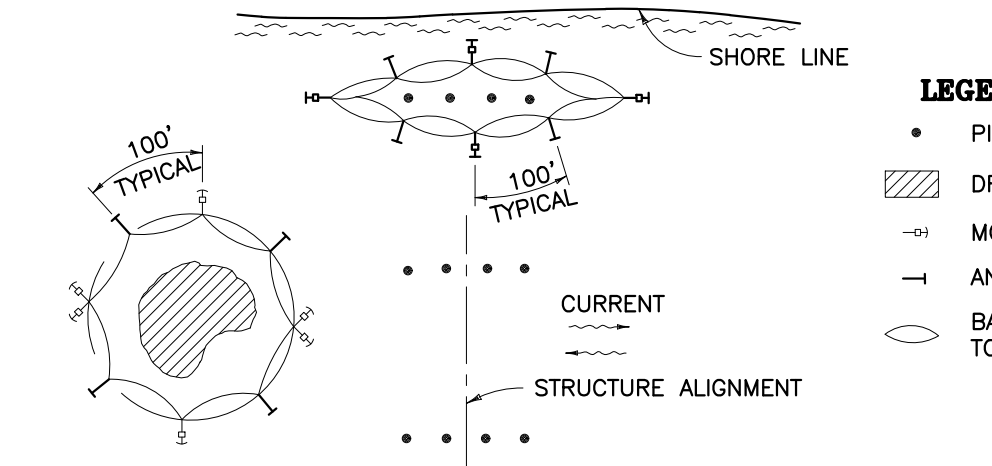
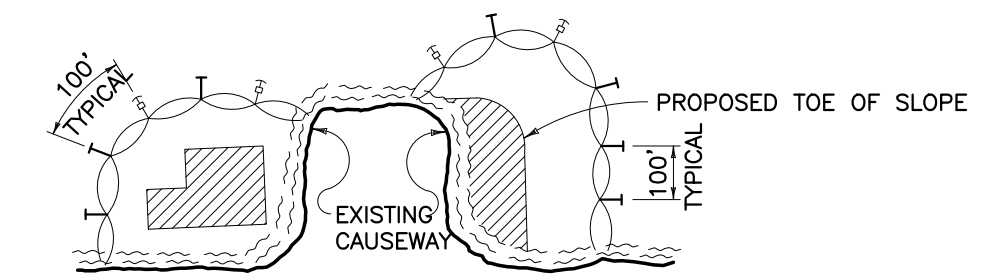
- SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE SPACED A MINIMUM OF 18" ON CENTER.
- SERVICE LINES SHALL NOT BE PLACED UNDER DRIVEWAYS.
- ALL METERS REQUIRE A LOCKING BRASS CURB STOP WITH LOCK WING (1" MIN.).
- NO FITTINGS BETWEEN CORPORATION STOP AND BRANCH ASSEMBLY.
- MAXIMUM SERVICE LENGTH IS 100' TO METER.
- CASING PIPE I.D. SHALL BE SERVICE O.D. PLUS 1" MINIMUM.
- MINIMUM BEND RADIUS ON SERVICES SHALL BE 14" ON ALL SERVICES BEHIND METER.
- METER SIZE WILL BE DETERMINED BY PUBLIC UTILITIES DEPT. UPON APPLICATION FOR SERVICE.
- ALL VALVES TO BE BALL VALVES.
- METER BOX SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR.
- ALL STANDARD NOTES REGARDING PRESSURE TEST LIMIT AND PAVEMENT APPLY. SEE DETAIL PW 9-1a FOR FURTHER INFORMATION.
- ABOVE CONFIGURATION APPLIES TO PLACEMENT AT SINGLE FAMILY RESIDENCES. FOR DOUBLE SERVICES PLACED AT MULTI-FAMILY RESIDENCES THE TWO SERVICES SHALL BE PALCED WITHIN A DOUBLE METER BOX.

TYPICAL DOUBLE SERVICE CONNECTION (POTABLE WATER)



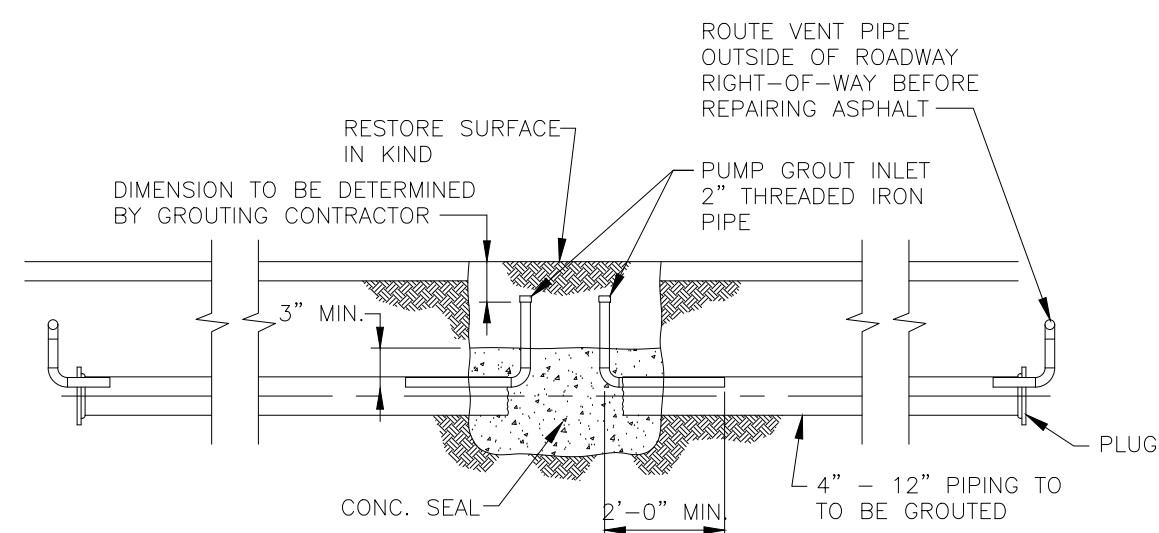
NOTE:

COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.



LEGEND

- PILE LOCATIONS
- ▨ DREDGE OR FILL AREA
- ⊕ MOORING BUOY W/ANCHOR
- ⊙ ANCHOR
- ⬅ BARRIER MOVEMENT DUE TO CURRENT ACTION



NOTE:

PROVIDE PLUGS, CORPORATION STOPS AND PIPING AS REQUIRED TO REMOVE AIR FROM THE ABANDONED 4" AND 12" PIPELINES WHILE GROUTING.

PIPE GROUTING DETAIL
N.T.S.

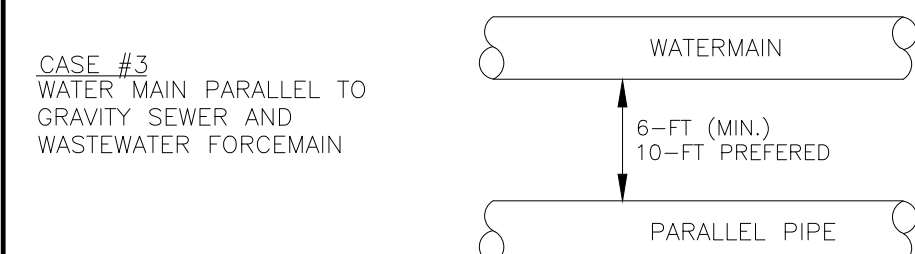
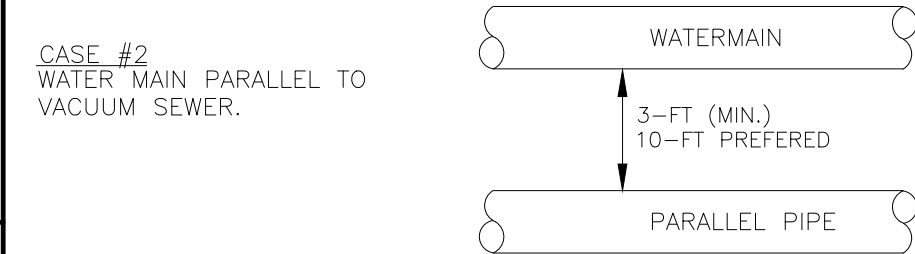
MAXIMUM QUANTITY OF WATER (GALLONS PER HOUR) THAT MAY BE SUPPLIED TO MAINTAIN PRESSURE WITHIN 5 P.S.I. OF THE SPECIFIED TEST PRESSURE. (MECHANICAL OR PUSH-ON JOINT, 18 FT. NOMINAL LENGTHS, PER 1000 FT. OF PIPE)

AVG. TEST PRESSURE - PSI	PIPE DIAMETER (INCHES)															
	2	3	4	6	8	10	12	14	16	18	20	24	30	36	42	48
150	0.10	0.14	0.18	0.27	0.37	0.46	0.55	0.64	0.73	0.83	0.92	1.10	1.38	1.65	1.93	2.20
200	0.10	0.15	0.21	0.31	0.42	0.53	0.64	0.74	0.84	0.95	1.06	1.27	1.59	1.91	2.22	2.54

NOTES:

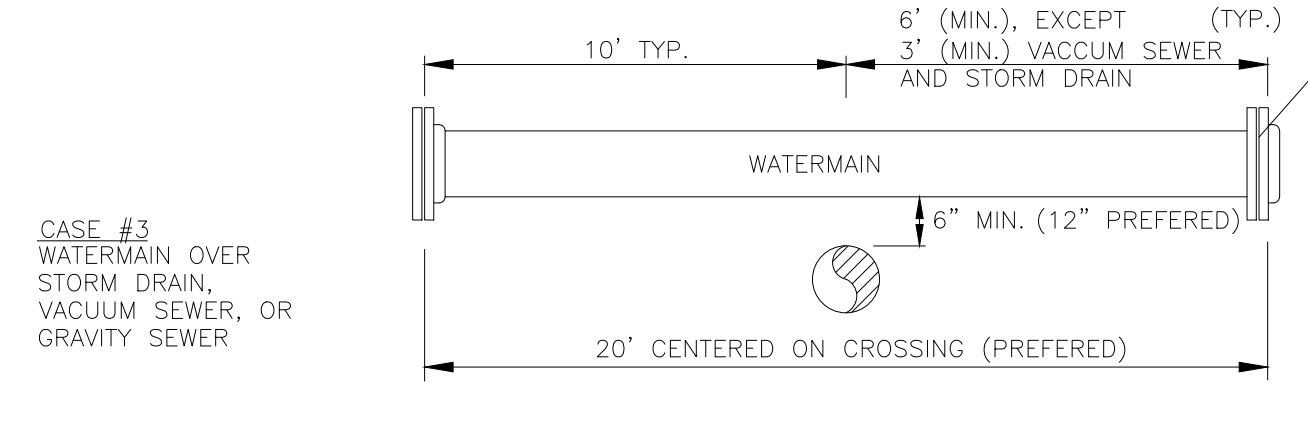
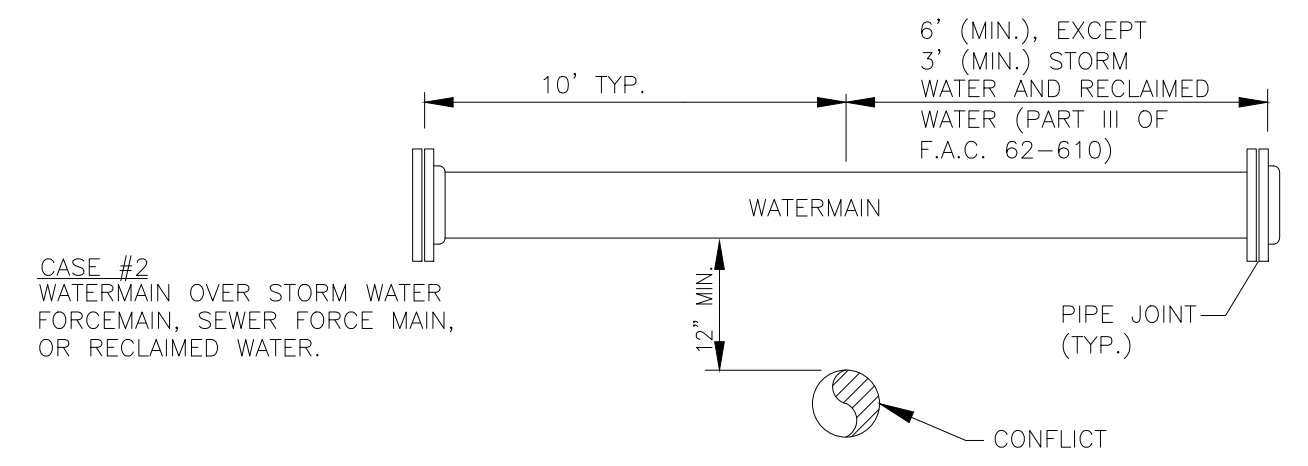
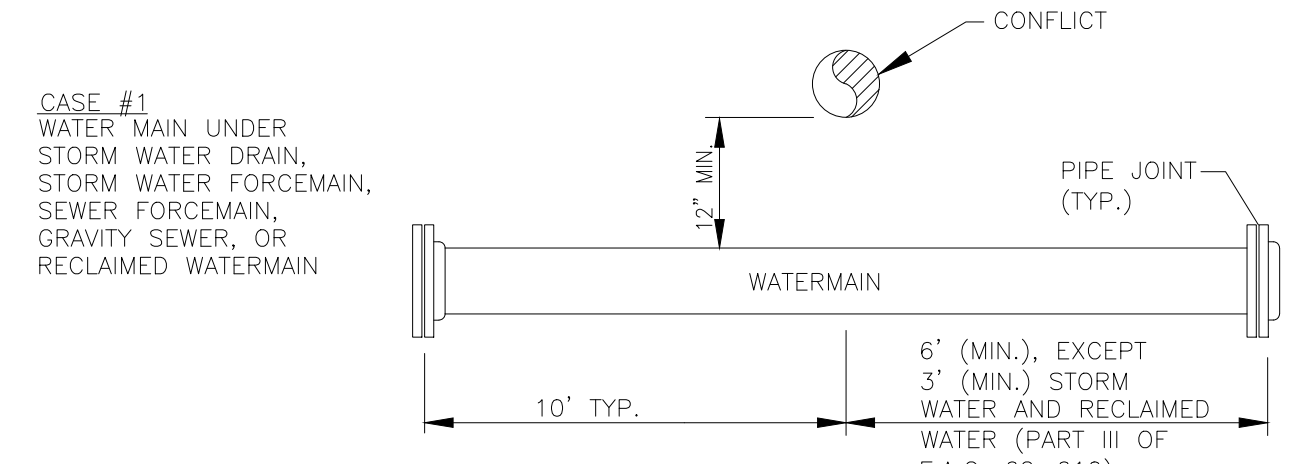
- MAINS SHALL BE PIGGED AND PRESSURE TESTED.
- TO OBTAIN THE MAXIMUM QUANTITY OF WATER FOR PIPE WITH 20 FT. NOMINAL LENGTHS, MULTIPLY THE QUANTITY CALCULATED FROM THE TABLE BY 0.9
- THE MAXIMUM QUANTITY OF ADDED WATER FOR A PIPELINE IS CALCULATED BY MULTIPLYING THE QUANTITY PER HOUR AS OBTAINED FROM THE ABOVE TABLE, BY THE DURATION OF THE TEST IN HOURS AND BY THE TOTAL LENGTH OF THE LINE BEING TESTED, DIVIDED BY 1,000. IF THE LINE UNDER TEST CONTAINS SECTIONS OF VARIOUS DIAMETERS, THE MAXIMUM QUANTITY ADDED WILL BE THE SUM OF THE COMPUTED QUANTITIES FOR EACH SIZE.
- MAXIMUM TEST LENGTH = 2,500 FEET PER SECTION.
- THIS STANDARD SHALL REFLECT ANY REVISION OF A.W.W.A. C-600. HOWEVER, THE MAXIMUM QUANTITY OF WATER ADDED SHALL NOT EXCEED 50% OF THE NOMINATED LIMIT PER APPLICABLE AWWA C-600 STANDARD.
- STANDARD TEST PRESSURE = 150 P.S.I.
- FORMULA BASIS: $L = \frac{(S) \times (D) \times (P)^{1/2} \times 1/2}{148,000}$
L = MAXIMUM QUANTITY OF WATER TO BE ADDED (GALLONS PER HOUR)
S = LENGTH OF PIPE TESTED (FEET)
D = DIAMETER OF PIPE (INCHES)
P = TEST PRESSURE (P.S.I.)
- PRESSURE TEST DURATION TO BE MIN. 2 HOURS.

WATER MAIN, FORCE MAIN AND RECLAIMED WATER MAIN PRESSURE TEST CRITERIA



HORIZONTAL SEPARATION DETAIL
N.T.S.

NOTE: THIS DETAIL REPRESENT THE REQUIRED SEPARATION OF WATERMAINS TO OTHER PIPING SYSTEM, AS REQUIRED BY F.A.C. 62-555.314 AND WHICH SHALL PREVAIL OVER THESE DETAIL.



VERTICAL SEPARATION DETAIL
N.T.S.

NOTE: THIS DETAIL REPRESENT THE REQUIRED SEPARATION OF WATERMAINS TO OTHER PIPING SYSTEM, AS REQUIRED BY F.A.C. 62-555.314 AND WHICH SHALL PREVAIL OVER THESE DETAIL.

CITY OF DELRAY BEACH
ENVIRONMENTAL SERVICES DEPARTMENT
434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444
Phone: (561) 243-7322 Fax: (561) 243-7314

MATHEWS CONSULTING
a BAXTER & WOODMAN company
477 S. Rosemary Avenue, Suite 330, West Palm Beach, Florida 33401
Phone: 561-655-6175 Fax: 561-655-6179
www.baxterwoodman.com EB-31795

ENGINEER'S SEAL
FOR THE CITY OF DELRAY BEACH

DESIGNED BY	M.R.T./C.M.				
DRAWN BY	J.A.J./F.R.C.				
CHECKED BY	D.L.M./A.C.				
DATE	06/17	REVISION	DATE	DESCRIPTION	BY

CITY OF DELRAY BEACH
RECLAIMED WATER EXPANSION - AREA 12C
STANDARD DETAILS
SHEET 3

PROJECT NO.	16 - 024
DRAWING NO.	D-3
FILE ID.	1851DETAILS.DWG

Acad Version: R20.1s (LMS Tech) User Name: 769dbp Date/Time: Thu, 06 Jul 2017 - 8:31am Layout Tab: D-3 Path Name: I:\WestPalmBeach\DEBC\16 851-Reclaimed Water - Area 12C\CAD\Working Folder\1851DETAILS.dwg

BIDDING

Storm Water Pollution Prevention Plan Inspection Report Form

Inspections must occur at least once a week and within 24 hours of the end of a storm event that is 0.50 inches or greater.

Project Name: City of Delray Beach RWM Area 12 C

FDEP NPDES Stormwater Identification No. FLR10NH42

Location	Rain data	Type of control (see below)	Date installed / modified	Current Condition (see below)	Corrective Action / Other Remarks
Del-Haven Rd		10, 1, 35	4/27/18	G	
Rhodes-Villa Av.		10, 1, 35	4/27/18	G	
White Rd.		10, 1, 35	4/27/18	G	
Brooks Lane		10, 1, 35	4/27/18	G	
Lewis Cove		10, 1, 35	4/27/18	G	
A1A					

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O = Other

Control Type Codes

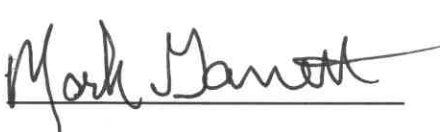
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6. Check dam	15. Perimeter ditch	24. Mulch	33. Sand Bag
7. Subsurface drain	16. Curb and gutter	25. Hay Bales	34. Other
8. Pipe slope drain	17. Paved road surface	26. Geotextile	35. Turbidity CERTAIN
9. Level spreaders	18. Rock outlet protection	27. Rip-rap	

Inspector Information:

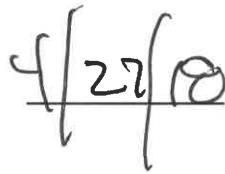
Mark Garret/Frank D'Alessandro Project Manager/Project Superintendent _____
Name Qualification Date

The above signature also shall certify that this facility is in compliance with the Stormwater Pollution Prevention Plan and the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities if there are not any incidents of non-compliance identified above.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



Name (Responsible Authority)



Date

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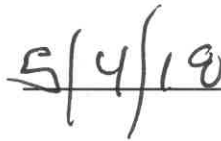
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Inspector Information:

Mark Garret/Frank D'Alessandro
Name

Project Manager/Project Superintendent
Qualification

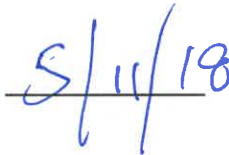
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Rhodes-Villa Av.		10, 35	5/15/18		
White Rd.		10, 35	5/15/18		
Brooks Lane		10, 35	5/15/18		
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A1A		10;	5/15/18		

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White Rd.					
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Rhodes-Villa Av.	4/10/18	10	3/26/18	G	
White Rd.	4/10/18	10	4/6/18	G	
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Rhodes-Villa Av.		10	3/26/18		
White Rd.		10	4/26/18		
Brooks Lane		10, 35	4/19/18		
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4. Swale	13. Retention Pond	22. Temporary seed / sod	31. Waste disposal / housekeeping
5. Sediment Trap	14. Construction entrance stabilization	23. Permanent seed / sod	32. Dam
6. Check dam	15. Perimeter ditch	24. Mulch	33. Sand Bag
7. Subsurface drain	16. Curb and gutter	25. Hay Bales	34. Other
8. Pipe slope drain	17. Paved road surface	26. Geotextile	35. TURBIDITY CURTAIN
9. Level spreaders	18. Rock outlet protection	27. Rip-rap	

Storm Water Pollution Prevention Plan Inspection Report Form

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Project Name: City of Delray Beach RWM Area 12 C

FDEP NPDES Stormwater Identification No. FLR10NH42

Location	Rain data	Type of control (see below)	Date installed / modified	Current Condition (see below)	Corrective Action / Other Remarks
Del-Haven Rd		10/35	7/31/18	G	
Rhodes-Villa Av.		10/35	7/31/18	G	
White Rd.		10/35	7/31/18	G	
Brooks Lane		10/35	7/31/18	G	
Lewis Cove		10/35	7/31/18	G	
A1A		10	7/31/18	G	

Condition Code:

G = Good

P = Poor, needs immediate maintenance or replacement

M = Marginal, needs maintenance or replacement soon

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Control Type Codes

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8. Pipe slope drain	17. Paved road surface	26. Geotextile	35 TURBIDITY CURTAIN
9. Level spreaders	18. Rock outlet protection	27. Rip-rap	

Inspector Information:

Mark Garret/Frank D'Alessandro Project Manager/Project Superintendent _____
Name Qualification Date
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"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Mark Garret

Name (Responsible Authority)

8/17/18

Date

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FDEP NPDES Stormwater Identification No. **FLR10NH42**

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White Rd.		10, 35	8/24/18	G	
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Inspector Information:

<u>Mark Garret/Frank D'Alessandro</u> Name	<u>Project Manager/Project Superintendent</u> Qualification	_____ Date
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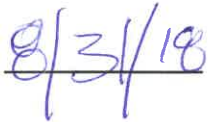
<u>Mark Garret/Frank D'Alessandro</u>	<u>Project Manager/Project Superintendent</u>	
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Mark Garret

9/14/18

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Date

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