From: Tiffany Busby
To: Tina Gordon
Cc: Homann, Moira; Christopher Caschera
Subject: RE: When you don"t have anything to do.....Daniels Road - Oakland Point Subdivision swale
Date: Tuesday, February 25, 2020 2:45:37 PM
Attachments: image001.png
Oakland Credit Workbook.xlsx

Meant to include this attachment for easy reference.

From: Tiffany Busby
Sent: Tuesday, February 25, 2020 2:43 PM
To: Tina Gordon <tgordon@wildwoodconsulting.net>
Cc: Homann, Moira <Moira.Homann@FloridaDEP.gov>; Christopher Caschera (ccaschera@wildwoodconsulting.net) <ccaschera@wildwoodconsulting.net>
Subject: FW: When you don't have anything to do.....Daniels Road - Oakland Point Subdivision swale

Tina,

1. I updated the completion dates in the Wekiva metrics workbook to 2019 for OAK-14 and OAK-18 based on Mike Parker's email response below. I added credit amounts for OAK-15 and changed them for OAK-16 (see below). I changed the project type in the metrics workbook for OAK-18 (see below).
2. I also updated the Oakland Credit Workbook.
   a. I added information that there is no credit for OAK-05 based on the concurrence below.
   b. I noted that we need to add supporting info for the OAK-13 and OAK-16 credits in the Oakland Credit Workbook (some of the calcs are done in the metrics workbook but not in the credit workbook).
   c. I took the debris cleaning info below for OAK-15 (new project) and used the FSA tool to calculate the credits and then attenuated and recharged them (project is inside springshed); the calcs are in the Oakland Credit Workbook. I also updated the Wekiva metrics workbook to reflect 23 TN and 11 TP lb/yr credit, based on the calculations.
   d. I took the street sweeping info for OAK-16 (new project) and used the FSA tool to calculate the credits and then attenuated and recharged them (project is inside springshed); the calcs are in the Oakland Credit Workbook. I also updated the Wekiva metrics workbook to reflect 8 TN and 4 TP lb/yr credit, based on the calculations.
   e. I changed the project type for OAK-18 from abandonment/decommission to OSTDS phase out based on this description: *Circle K store and ABC Bus taken off septic and placed on sewer. About 8,500 gallons removed from septic DAILY.*
      i. Do we have enough info to calculate the TN credits for this project based on the commercial system standard calcs? It is TBD right now.

That's it for now.

Tiffany

From: Mike Parker <MParker@oaklandfl.gov>
Sent: Tuesday, February 25, 2020 10:52 AM
To: Tina Gordon <tgordon@wildwoodconsulting.net>; Homann, Moira <Moira.Homann@FloridaDEP.gov>
Cc: Stephen Koontz <skoontz@oaklandfl.gov>; Tiffany Busby <tlbusby@wildwoodconsulting.net>
Subject: RE: When you don't have anything to do.....Daniels Road - Oakland Point Subdivision swale

Tina,
Oak 14 & 18 both have completion dates of 2019.
Oak 5 is the cleaning of drainage ditches to remove sediments. If there is no credit for that routine activity, so be it.
The amount of debris collected in Oak 15 was 84 cu yds. That is what was reported in our NPDES Report. I tried to use your calculator to determine the nutrient removal, but alas, no luck.

Thanks,
Mike

From: Tina Gordon <tgordon@wildwoodconsulting.net>
Sent: Monday, February 24, 2020 5:04 PM
To: Mike Parker <MParker@oaklandfl.gov>; Homann, Moira <Moira.Homann@FloridaDEP.gov>
Cc: Stephen Koontz <skoontz@oaklandfl.gov>; Tiffany Busby <tlbusby@wildwoodconsulting.net>
Subject: RE: When you don't have anything to do.....Daniels Road - Oakland Point Subdivision swale

Mike,

I am out of the office so Tiffany reached out to you for one of the below. Please make sure you provide completion dates for both of the below projects.

Thanks,
Tina Gordon

On Feb 14, 2020 1:46 PM, Tina Gordon <tgordon@wildwoodconsulting.net> wrote:
Mike,

A couple of follow-up questions I had while entering your data:

1. What are the completion dates for the following projects? Completion dates of N/A are only eligible on non-structural, on-going efforts such as street sweeping or BMP clean out.

OAK - 14	Speer and Daniels Drainage Improvement	Installation of drainage swale/conveyance, with some retention value, in an area of sheet flows from three different roadways.	On-line Retention BMPs	Completed	N/A
Oak - 18	Septic to sewer conversion	Circle K store and ABC Bus taken off septic and placed on sewer. 8500 gals removed from septic DAILY.	Decommission/ Abandonment	Completed	N/A

2. A reduction was provided for the following existing project. We do not give credit for maintenance activities except for BMP clean out. Please provide justification for the credits listed. If these were a part of a BMP clean out, we will need the amount of material collected and for you to confirm that this is not part of the newly listed project Oak-15.

OAK-05	Town-wide Drainage Maintenance	Drainage conveyance maintenance in established neighborhoods to enable proper treatment of stormwater flows.	Stormwater System Rehabilitation	Completed	2017	15	9

3. For Oak-15, please provide the weight of material collected.

Oak - 15	Town-wide Drainage Maintenance	Ongoing effort to clean grates, inlets, culverts, etc.	BMP Cleanout	Completed	N/A	17	11

From: Mike Parker <MParker@oaklandfl.gov>
Sent: Wednesday, January 29, 2020 12:11 PM
To: Tina Gordon <tgordon@wildwoodconsulting.net>; Homann, Moira <Moira.Homann@FloridaDEP.gov>
Cc: Stephen Koontz <skoontz@oaklandfl.gov>
Subject: FW: When you don't have anything to do.....Daniels Road - Oakland Point Subdivision swale

Tina,
Attached is the info on OAK – 14 and I used your calculator to get some further info on the other projects.
Mike

From: Lane, Allen C. (P.E.) <alane@cphcorp.com>
Sent: Wednesday, January 29, 2020 11:32 AM
To: Mike Parker <MParker@oaklandfl.gov>
Subject: RE: When you don't have anything to do.....Daniels Road - Oakland Point Subdivision swale

Mike,
I found the info you were looking for.

The work we help with was to verify the storm calcs in an effort to re-establish the swale that was originally constructed on the south side of the subdivision wall. The swale was part of the original storm water permit and was to provide the pollution abatement for the area draining to the swale.
I have attached a copy of the basin map and the storm water report from June Engineering.

The Basin B area was the swale along the wall. The design info is on page 11 and 12 of the report PDF. It was to collect runoff from 4.191 acres and provide treatment for ½ + ½ inch of runoff (total of 1 inch). Page 13 shows the Basin B swale volume, which exceeds the required calculated volume.

To answer your questions:

- The swale did not appear to have swale blocks in the original design. It did drain to a "pool" at the end of Daniels Road. From there, the runoff would stage up and continue to drain down the swale to the western end where it would eventually pop off and drain west around the subdivision.
- We don't have a shape file. The report stated the swale was to treat runoff from 4.191 acres.
- BMP characteristics:
    - 1 inch of retention
    - Swale area is 520 feet by 20 feet wide.
    - Rainfall runoff depth is 1 inch. The volume of the swale was designed to hold more than the required runoff.

I hope this helps.

Allen

Allen C. Lane, Jr., PE
Project Engineer

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c 407-721-3097

alane@cphcorp.com

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From: Mike Parker <MParker@oaklandfl.gov>
Sent: Thursday, January 23, 2020 3:13 PM
To: Lane, Allen C. (P.E.) <alane@cphcorp.com>
Subject: When you don't have anything to do.....

Allen,
The State has requested this info on the swale that was placed at Speer and Daniels, for nutrient removal reasons. Can you provide an answer to the 3 questions below? They are requesting to have it by 1/30/2020.
Mike

For the swale, we will need:

- Does the swale have blocks or raised culverts?
- Shapefile of drainage basin serviced/treated by project
- BMP dimension characteristics
    - Inches of retention
    - Area of swale(s)
    - Design retention treatment depth (rainfall runoff depth of contributing basin)

Regards,
Mike Parker
Public Works Director
407-656-1117 ext.2302
MParker@oaklandfl.gov

Town of Oakland, FL

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