

Buskirk, Doug

From: Wolfe, Aaron
Sent: Tuesday, January 31, 2012 7:39 AM
To: Buskirk, Doug
Subject: RE: SCI-823 Phase 1 BMP letter

This email can serve as the approval

Aaron Wolfe
Storm Water Coordinator
Southeast District Office
Division of Surface Water

2195 Front Street
Logan, Ohio 43138

740-380-5277 (Direct)
740-385-6490 (Fax)
Aaron.wolfe@epa.ohio.gov

From: Buskirk, Doug
Sent: Monday, January 30, 2012 2:00 PM
To: Wolfe, Aaron
Subject: RE: SCI-823 Phase 1 BMP letter

Aaron,

Will we be receiving a letter of approval, or is the email the approval?

Thanks,

Doug Buskirk, P.E.
Major Projects Manager/Railroad Coordinator
Ohio Department of Transportation
District 9
E-mail: doug.buskirk@dot.state.oh.us

From: Wolfe, Aaron
Sent: Thursday, January 19, 2012 4:11 PM
To: Buskirk, Doug
Cc: Barnitz, Tom; Gucker, Hans; Hyre, Brad (Brad.Hyre@hdrinc.com); Fyffe, Jason; Pack, Doug
Subject: RE: SCI-823 Phase 1 BMP letter

Thanks Doug, that's exactly what I needed.

I am satisfied with what ODOT has proposed in the request concerning SCI-823 Phase 1 and storm water related mitigation.

ODOT has met the requirements set forth in Part III.G.2.e of the permit which states:

Offsite Mitigation of Post-Construction - Ohio EPA may authorize the offsite mitigation of the post-construction requirements of Part III.G.2.e of this permit on a case by case basis provided the permittee clearly demonstrates the BMPs listed in Table 2 are not feasible and the following criteria is met: (1) a maintenance agreement or policy is established to ensure operations and treatment in perpetuity; (2) the offsite location discharges to the same HUC-14 watershed unit; and (3) the mitigation ratio of the WQv is 1.5 to 1 or the WQv at the point of retrofit, whichever is greater. Requests for offsite mitigation must be received prior to receipt of the NOI applications.

I will await the easement documentation to complete the file.

Thanks

Aaron Wolfe
Storm Water Coordinator
Southeast District Office
Division of Surface Water

2195 Front Street
Logan, Ohio 43138

740-380-5277 (Direct)
740-385-6490 (Fax)
Aaron.wolfe@epa.ohio.gov

From: Buskirk, Doug
Sent: Thursday, January 19, 2012 2:48 PM
To: Wolfe, Aaron
Cc: Barnitz, Tom; Gucker, Hans; Hyre, Brad (Brad.Hyre@hdrinc.com); Fyffe, Jason; Pack, Doug
Subject: RE: SCI-823 Phase 1 BMP letter

Aaron,

I have attached right of way sheet 9/41 showing the property owned by ODOT in the mitigation area. As shown on the sheet, ODOT owns up to the right of way for Lucasville-Minford Road, providing access to the proposed mitigation area entirely on ODOT property. It is the intent of ODOT to retain all the property of parcel 504 and 40 for potential future mitigation and access to the proposed mitigation area.

After the construction of the project, access will be provided by parking along the shoulder of Lucasville-Minford road and walking up the valley in the vicinity of the existing field drive to the mitigation area as highlighted on the right of way sheet.

I will send you a copy of the conservation easement when it is finished.

If you have any questions or need any additional information, please let me know.

Thanks,

Doug Buskirk, P.E.
Major Projects Manager/Railroad Coordinator
Ohio Department of Transportation
District 9
E-mail: doug.buskirk@dot.state.oh.us

From: Wolfe, Aaron
Sent: Thursday, January 19, 2012 12:34 PM
To: Buskirk, Doug
Cc: Barnitz, Tom; Gucker, Hans; Hyre, Brad (Brad.Hyre@hdrinc.com); Fyffe, Jason
Subject: RE: SCI-823 Phase 1 BMP letter

Hello Doug, Everything looks acceptable in concept. However, It would be helpful if you could show what road you plan on access to be made from. I believe I know what is intended but it is a little unclear on the map. Can you show where someone is expected to park and then the direction they would be expected to walk into the mitigation area. It is important that one can get out of the car and walk on ODOT owned land from the car to the mitigation area. That is really the only comment I have everything else looks good. It would be nice if documentation for the easement could be sent to me when its complete. I imagine OEPA will make a database at some point listing these post construction mitigation easements.

One last comment concerning future actions of this type:

I would expect that future scenarios of this type only be considered utilizing land that would not necessarily have to be utilized for the ODOT project itself anyway. I could not have allowed this to go forward if the proposed mitigation area would have been in an area that was in the needed right of way of the project. Since this area was part of a larger farm that was sold to ODOT as a whole and ODOT could have easily sold portions of it in the future it meets the intent of something tangible really being obtained in the outcome related to storm water concerns in the area. Please keep this rationale in mind going forward.

If you can submit an updated map with what I have requested above I will get you confirmation of approval.

Aaron Wolfe
Storm Water Coordinator
Southeast District Office
Division of Surface Water

2195 Front Street
Logan, Ohio 43138

740-380-5277 (Direct)
740-385-6490 (Fax)
Aaron.wolfe@epa.ohio.gov

From: Buskirk, Doug
Sent: Tuesday, January 10, 2012 2:31 PM
To: Wolfe, Aaron
Cc: Barnitz, Tom; Gucker, Hans; Hyre, Brad (Brad.Hyre@hdrinc.com)
Subject: SCI-823 Phase 1 BMP letter

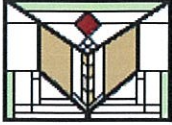
Aaron,

Attached is a copy of the Post-Construction BMP letter with the attachments. The paper copy is being mailed today.

If you have any questions or need additional information, please let me know.

Thanks,

Doug Buskirk, P.E.
Major Projects Manager/Railroad Coordinator
Ohio Department of Transportation
District 9
E-mail: doug.buskirk@dot.state.oh.us



Tom
Barnitz/Production/D09/ODO
T

01/18/2011 08:11 AM

To Michael Wawzkiewicz/Production/CEN/ODOT
cc Ron Trivisonno/Construction/CEN/ODOT@ODOT
bcc

Subject Re: SCI-823 Post-Construction BMP

Mike:

We have not coordinated the final post construction BMP's with Aaron Wolfe and OEPA yet.

Although we have revised the alignment and I have a final BMP report/plan from HDR, I have not been able to get to this.

Too many priorities have jumped ahead of this one!

However, this was coming back to the top of the pile, and when Ron was at the District, I was making him aware of the approach we were taking.

Since this involves ROW acquisition (particularly excess parcels), I knew that waiting a little while wouldn't hurt.

At the time we started this, full ROW acquisition had not started yet, only early acquisition.

So, now that we have some parcels acquired, I am going to meet with our REA this week to get a status of parcels, then see if we can make any firm commitments on which ones could be used as part of the post construction BMP plan for this project.

It seemed to me that we would want to show the OEPA which parcels we had acquired as part of the plan.

I will be in touch soon, as we might want to meet to review the final plan.

Thanks

Tom Barnitz, PE
ODOT - District 9
650 Eastern Avenue
Chillicothe, Ohio 45601

740-774-8877

Michael Wawzkiewicz/Production/CEN/ODOT

Michael
Wawzkiewicz/Production/C
EN/ODOT

01/14/2011 01:57 PM

To Tom Barnitz/Production/D09/ODOT@ODOT
cc Ron Trivisonno/Construction/CEN/ODOT@ODOT
Subject SCI-823 Post-Construction BMP

Tom,

A few weeks ago, Ron Trivisonno mentioned the Portsmouth Bypass project and post-construction BMPs. I provided Ron with some of the documentation and the last report (that I received) prepared by HDR dated December 10, 2008.

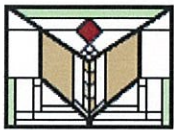
In the conversation that followed, Ron asked if Aaron Wolfe (OEPA) was given a chance to review the report and provide feedback. Based on the below email dated 1/23/2009, it appears that some project modifications were going to be implemented prior to providing a final letter and report to Aaron. Was this information ever coordinated with Aaron for his acceptance?

Let me know if there is anything else that you would like me to review.


Thanks,

Mike Wawzkiewicz, P.E.
Ohio Department of Transportation
Office of Production
1980 W. Broad Street
Columbus, OH 43223
Phone: 614-728-4585

----- Forwarded by Michael Wawzkiewicz/Production/CEN/ODOT on 01/14/2011 01:49 PM -----



Tom
Barnitz/Production/D09/OD
OT
01/23/2009 03:25 PM

To Aaron.Wolfe@epa.state.oh.us
cc Bill Ujvari/Production/CEN/ODOT@ODOT, Michael Wawzkiewicz/Production/CEN/ODOT@ODOT, brad.hyre@hdrinc.com, Gary Cochenour/Production/D09/ODOT@ODOT, Doug Pack/Production/D09/ODOT@ODOT
Subject Re: Fw: Re: Fw: SCI - 823 BMP 

Aaron:

I wanted to drop you a line to let you know that we haven't forgotten about the issues we discussed last October on the Portsmouth Bypass.

We have evaluated the post-construction BMPs for Phase 1 of the project and have determined how we plan on using them and setting aside some mitigation areas for the areas we cannot feasibly treat.

I have a draft letter that I will eventually send to you responding to the information requested.

However, since we met in October 2008, we have decided to implement some design improvements to vertical profile of the highway. These improvements will steepen the road in some areas and flatten others, with the goal of reducing the amount of rock excavation.

Because of this, the drainage areas and how we treat and/or mitigate them may change slightly.

Therefore, I am going to hold onto the letter until we finalize the design and can provide accurate information again.

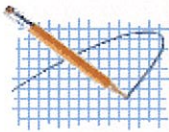
Thanks for your help.

Respectfully,

Tom Barnitz, PE
ODOT - District 9
650 Eastern Avenue
Chillicothe, Ohio 45601

740-774-8877

Michael Wawszkiewicz/Production/CEN/ODOT



Michael
Wawszkiewicz/Production/
CEN/ODOT
10/28/2008 06:29 AM

To: Tom Barnitz/Production/D09/ODOT@ODOT
cc: Bill Ujvari/Production/CEN/ODOT@ODOT
Subject: Fw: Re: Fw: SCI - 823 BMP

-----Forwarded by Michael Wawszkiewicz/Production/CEN/ODOT on 10/28/2008 06:28AM -----

To: <Michael.Wawszkiewicz@dot.state.oh.us>
From: "Aaron Wolfe" <Aaron.Wolfe@epa.state.oh.us>
Date: 10/27/2008 04:25PM
cc: <kathryn.gruver@hdrinc.com>
Subject: Re: Fw: SCI - 823 BMP

Hello Mike, I spoke with Harry, Mark, and John about the scenario that was presented in our meeting on Oct. 15th. It was decided that ODOT can proceed with utilizing areas throughout the project as conservation easements / mitigation areas. We will be working under the following requirement of the permit.

"Part III.G.2.e Offsite Mitigation of Post-Construction - Ohio EPA may authorize the offsite mitigation of the post-construction requirements of Part III.G.2.e of this permit on a case by case basis provided the permittee clearly demonstrates the BMPs listed in Table 2 are not feasible and the following criteria is met: (1) a maintenance agreement or policy is established to ensure operations and treatment in perpetuity; (2) the offsite location discharges to the same HUC-14 watershed unit; and (3) the mitigation ratio of the WQv is 1.5 to 1 or the WQv at the point of retrofit, whichever is greater. Requests for offsite mitigation must be received prior to receipt of the NOI applications."

So in short, I would like to see the following stated in a letter:

1. Why each standard BMP listed was not feasible.
2. How ODOT plans to ensure these mitigation areas are maintained in perpetuity.
3. If ODOT feels that the HUC 14 watershed unit requirement can be met.
4. If ODOT feels that the mitigation ratio of 1.5 to 1 can be met.

I anticipate this letter will cover the entire Portsmouth bypass project since we will be encountering the same problems throughout. You are not required to mention each area, that cannot be routed to a BMP, specifically in the letter. A general statement of types of problems encountered that render the BMP "not feasible" will suffice.

In choosing Mitigation areas please consider the following:

1. Give preference to areas adjoining "waters of the state".
2. Do not utilize areas that drain to a BMP.
3. Only utilize areas that will not be disturbed during construction.
4. Give preference to large mitigation areas.

Thank you,

Aaron Wolfe
Storm Water Coordinator

Southeast District Office
Division of Surface Water
2195 Front Street
Logan, Ohio 43138-8687
Phone 740-380-5277
Fax 740-385-6490

>>> <Michael.Wawzkiewicz@dot.state.oh.us> 10/24/2008 8:46 AM >>>
Aaron,

Following up on your voice mail from the other day, I contacted the District and HDR regarding the next steps we need to take with this project. Kathryn Gruver with HDR had some good questions that I did not feel confident answering. Can you provide a response to the email below? If you would like to discuss, please give me a call. I will be out of the office after 10 am today, but I will be back on Monday.

Thanks.

Mike Wawzkiewicz, P.E.
Ohio Department of Transportation
Office of Production
1980 W. Broad Street
Columbus, OH 43223
Phone: 614-728-4585

----- Forwarded by Michael Wawzkiewicz/Production/CEN/ODOT on 10/24/2008
08:44 AM -----

"Gruver, Kathryn" <Kathryn.Gruver@hdrinc.com>
10/22/2008 04:12 PM

To
"Michael.Wawzkiewicz@dot.state.oh.us"
<Michael.Wawzkiewicz@dot.state.oh.us>
cc

Subject
SCI - 823 BMP

Hello Mike,

Did Aaron (OEPA) mean all the area between the construction limits and the LA line can be used as mitigated area? I am not sure if he meant all or only the areas that won't drain to the ditches? Is there a limit as to how close a mitigated areas can be to a culvert/bridge crossing.

Thanks

Kathryn Gruver, EI
Transportation Engineer

HDR | ONE COMPANY | Many Solutions
9987 Carver Road |Suite 200|Cincinnati, OH|45242-4715
Phone: 513.984.7599 | Fax: 513.984.7580
Email:kathryn.gruver@hdrinc.com



Ohio Department of Transportation

District 9, 650 Eastern Ave., P.O. Box 467, Chillicothe, Ohio 45601-0467

January 10, 2012

Mr. Aaron Wolfe
Storm Water Coordinator
Ohio EPA
Southeast District Office
2195 Front Street
Logan, Ohio 43138

Re: SCI-823-6.81 (Portsmouth Bypass Phase 1)
Post-Construction BMPs

Dear Mr. Wolfe:

Thank you for meeting with ODOT in October 2008 and December 2011 to discuss the post-construction BMPs for the Portsmouth Bypass project. The design has been completed for Phase 1. Phase 2 and 3 are further behind in design and at this time we cannot provide detailed information on the specific post-construction BMP usage for these phases. This letter will address our intent for using post-construction BMPs for Phase 1 only. The specific impacts and how the BMPs will be used will be addressed for each phase as the design progresses.

The SCI-823-6.81 project consists of deep rock cuts and high fills as the roadway traverses the mountainous terrain of southern Ohio. ODOT Location and Design Manual Volume 2 Section 1115.3 lists the following traditional BMP's to meet Ohio EPA's construction general permit post-construction water quality treatment requirements: Exfiltration Trench, Extended Detention Basin, Retention Basin, Infiltration Trench/Basin, Bioretention Cell, Constructed Wetlands, and Vegetated Biofilters.

The use of these traditional BMP's are utilized wherever conditions warrant. However, due to the nature of this project, specific areas of the proposed roadway cannot be treated for post-construction water quality without extensive resources and additional land disturbance. The implementation of post-construction BMP's in these areas would prohibit Low Impact Development Techniques and potentially provide a negative impact to the overall water quality of the watershed. Therefore, land use conservation mitigation is proposed in lieu of installing post-construction BMP's for these areas. The mitigation locations proposed are in conformance with pre-described recommendations from the Ohio EPA and shall be maintained in perpetuity. Refer to BMP Schematic Plan for graphical identification of the proposed mitigation areas and the proposed roadway not treated by post-construction BMP's.

The two traditional BMP's used for SCI-823-6.81 are Vegetated Biofilters (VBF) and Extended Detention Basins. VBFs filter storm water through the graded shoulder, vegetated slopes, and vegetated ditch bottom. VBFs are used for the majority of the project except in the rock cut. In the rock cut areas vegetation is not expected to be established on the shoulders, slopes or ditch bottoms making VBF an unsuitable BMP. Three Extended Detention Basins are located within the project, see BMP Schematic Plan. Given the mountainous nature of the area and the expected access/maintenance at each basin, no other sites could be identified for BMP post construction.

Retention Basins, Infiltration Trench/Basin, Bioretention Cells and Constructed Wetlands are not practical for this project due to physical constraints and safety concerns.

Exfiltration Trenches capture the roadway runoff through the use of a permeable concrete surface runoff through the use of a permeable concrete surface. The use of Exfiltration Trenches would require the construction of curb along the edge of shoulder, guardrail, catch basins, and storm sewers. Due to safety concerns, long term maintenance and overall treatment of water quality, the ExT was determined not to be warranted for this project.

As shown on the attached BMP Schematic Plan sheet, the table shows there is 9.4 acres of untreated area in only one of the three Phase 1 HUC 14 areas, 5090103040 030. ODOT proposes to provide mitigation at a rate of 1.5:1 for a total required area of 14.1 acres. The proposed mitigation area of 14.41 acres is delineated on the Schematic Plan sheet 4. In addition, there is approximately 22.48 acres available for mitigation if needed on the future phases. This area is also delineated on Schematic Plan sheet 4.

ODOT will protect the mitigation area by providing a conservation easement, which will ensure that the mitigation area is protected in perpetuity. ODOT will provide any future maintenance that is required. The mitigation area will be protected from disturbance during construction. Access to the site will be made by parking along the road and walking to the site.

If you have any questions or comments regarding this request, please contact me at your convenience.

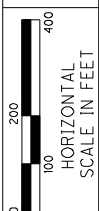
Respectfully,

A handwritten signature in blue ink that reads "Tom Barnitz". The signature is fluid and cursive, with the first name "Tom" and last name "Barnitz" clearly legible.

Tom Barnitz, PE
Planning & Engineering Administrator

Attachment

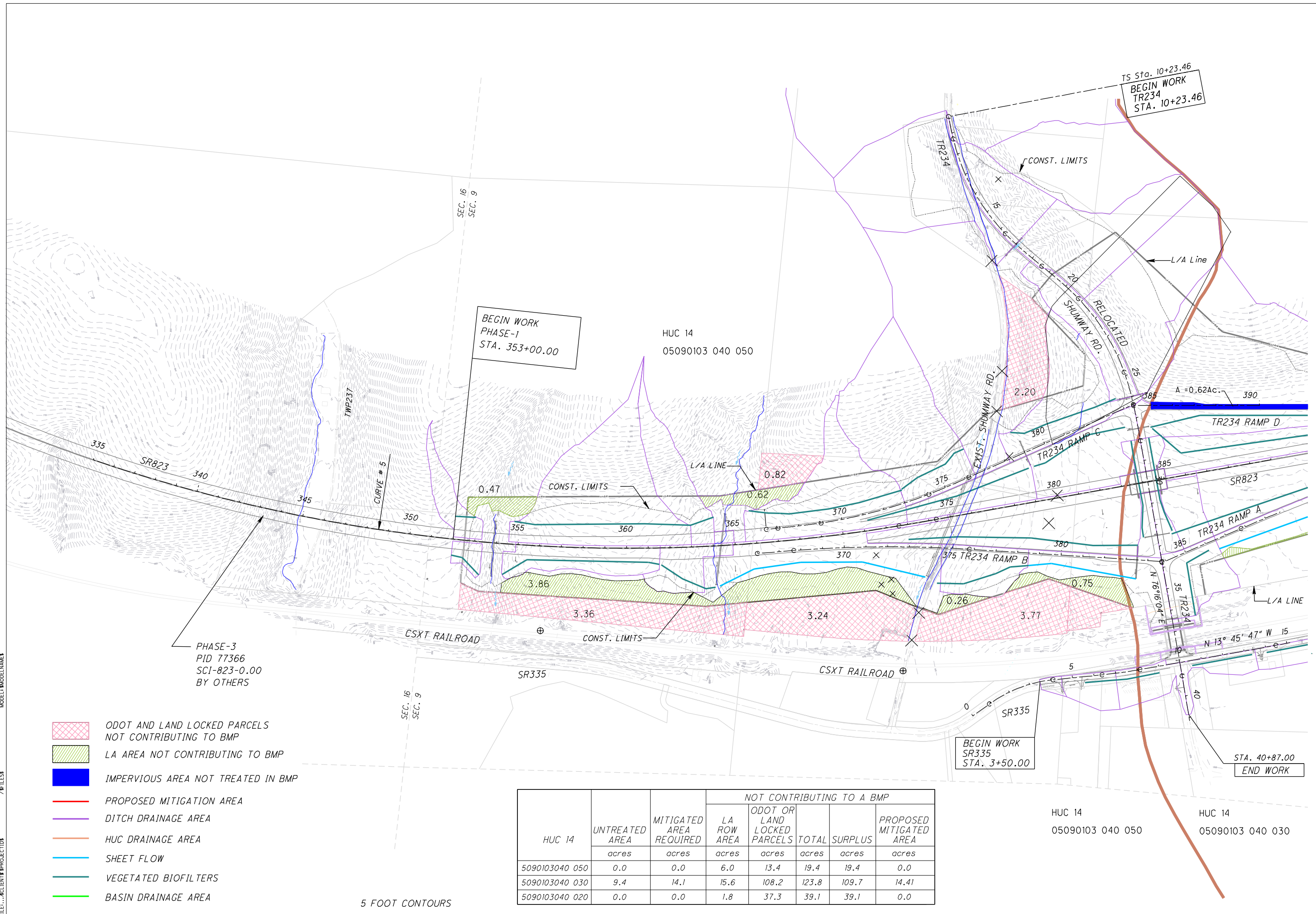
C: file, Gucker, Buskirk



CALCULATED
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**BMP SCHEMATIC PLAN - SR823
STA. 335+00.00 TO STA. 390+00.00**

SCI-823-6.81

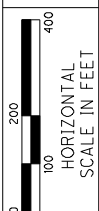


- ODOT AND LAND LOCKED PARCELS NOT CONTRIBUTING TO BMP
- LA AREA NOT CONTRIBUTING TO BMP
- IMPERVIOUS AREA NOT TREATED IN BMP
- PROPOSED MITIGATION AREA
- DITCH DRAINAGE AREA
- HUC DRAINAGE AREA
- SHEET FLOW
- VEGETATED BIOFILTERS
- BASIN DRAINAGE AREA

HUC 14	NOT CONTRIBUTING TO A BMP						
	UNTREATED AREA	MITIGATED AREA REQUIRED	LA ROW AREA	ODOT OR LAND LOCKED PARCELS	TOTAL	SURPLUS	PROPOSED MITIGATED AREA
	acres	acres	acres	acres	acres	acres	acres
5090103040 050	0.0	0.0	6.0	13.4	19.4	19.4	0.0
5090103040 030	9.4	14.1	15.6	108.2	123.8	109.7	14.41
5090103040 020	0.0	0.0	1.8	37.3	39.1	39.1	0.0

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5 FOOT CONTOURS

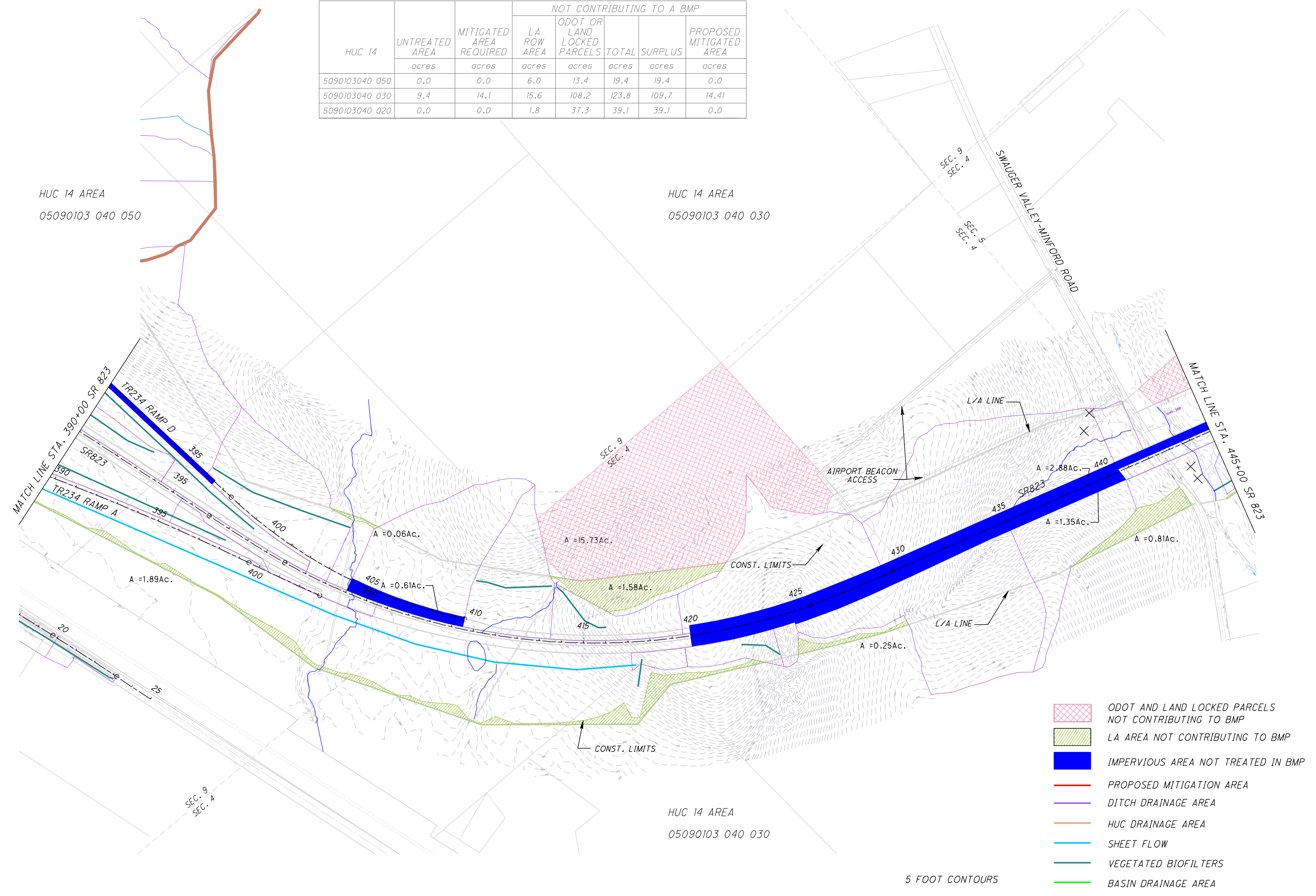


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**BMP SCHEMATIC PLAN - SR823
STA. 390+00.00 TO STA. 445+00.00**

SCI-823-6.81

HUC 14	UNTREATED AREA acres	MITIGATED AREA REQUIRED acres	NOT CONTRIBUTING TO A BMP				PROPOSED MITIGATED AREA acres
			LA ROW AREA acres	ODOT OR LAND LOCKED PARCELS acres	TOTAL acres	SURPLUS acres	
5090103040 050	0.0	0.0	6.0	13.4	19.4	19.4	0.0
5090103040 030	9.4	14.1	15.6	108.2	123.8	109.7	14.41
5090103040 020	0.0	0.0	1.8	37.3	39.1	39.1	0.0



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- PROPOSED MITIGATION AREA
- DITCH DRAINAGE AREA
- HUC DRAINAGE AREA
- SHEET FLOW
- VEGETATED BIOFILTERS
- BASIN DRAINAGE AREA

5 FOOT CONTOURS

USER: BUSEBRS PLOT DATE: 8/24/2018 REVISION DATE: 8/24/2018
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HUC 14 AREA
05090103 040 050

HUC 14 AREA
05090103 040 030

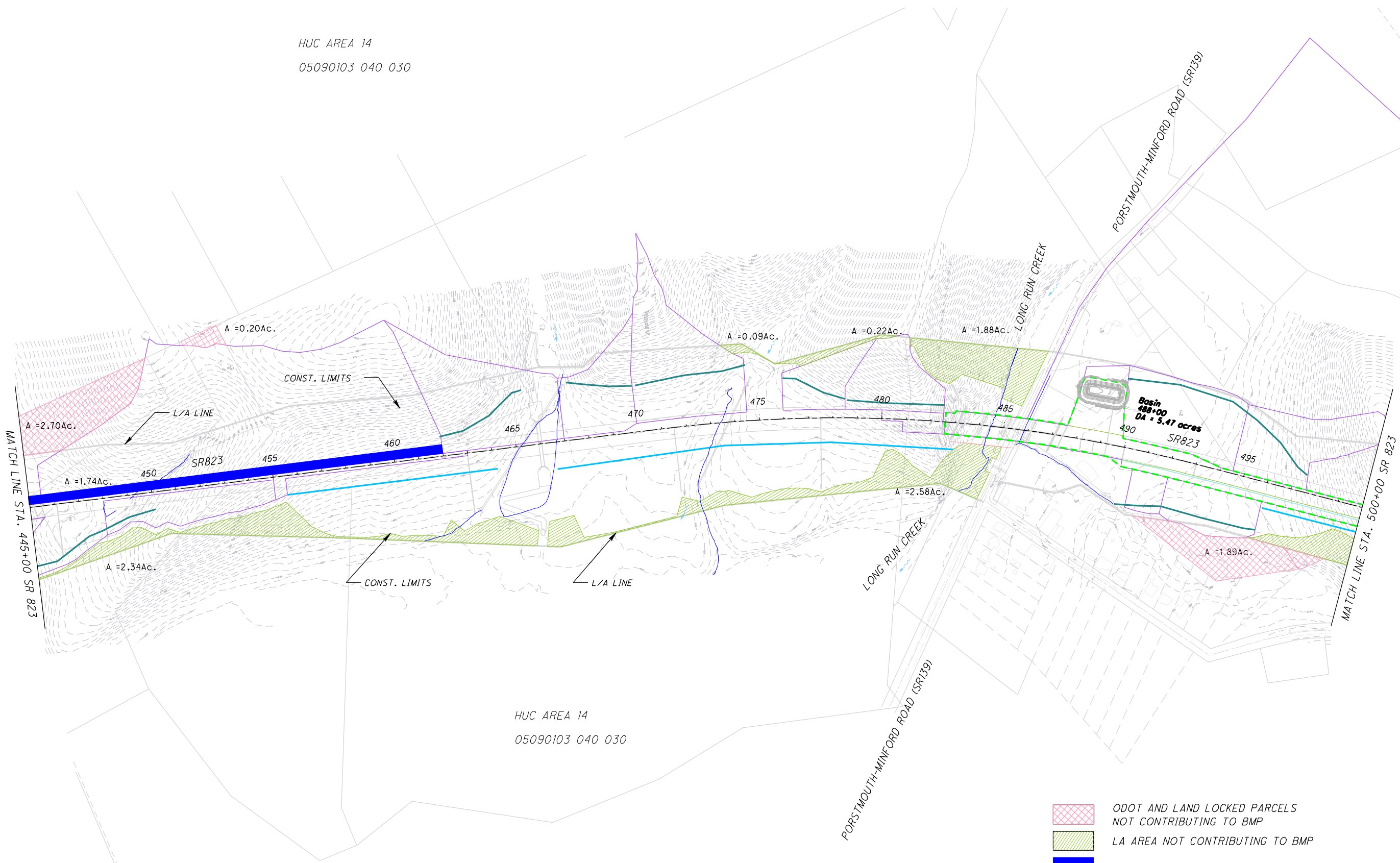
HUC 14 AREA
05090103 040 030

HUC AREA 14
05090103 040 030

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**BMP SCHEMATIC PLAN - SR823
STA. 445+00.00 TO STA. 500+00.00**

SCI-823-6.81



HUC AREA 14
05090103 040 030

HUC 14	UNTREATED AREA acres	MITIGATED AREA REQUIRED acres	NOT CONTRIBUTING TO A BMP					PROPOSED MITIGATED AREA acres
			LA ROW AREA acres	ODOT OR LAND LOCKED PARCELS acres	TOTAL acres	SURPLUS acres		
5090103040 050	0.0	0.0	6.0	13.4	19.4	19.4	0.0	
5090103040 030	9.4	14.1	15.6	108.2	123.8	109.7	14.41	
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- DITCH DRAINAGE AREA
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- SHEET FLOW
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- BASIN DRAINAGE AREA

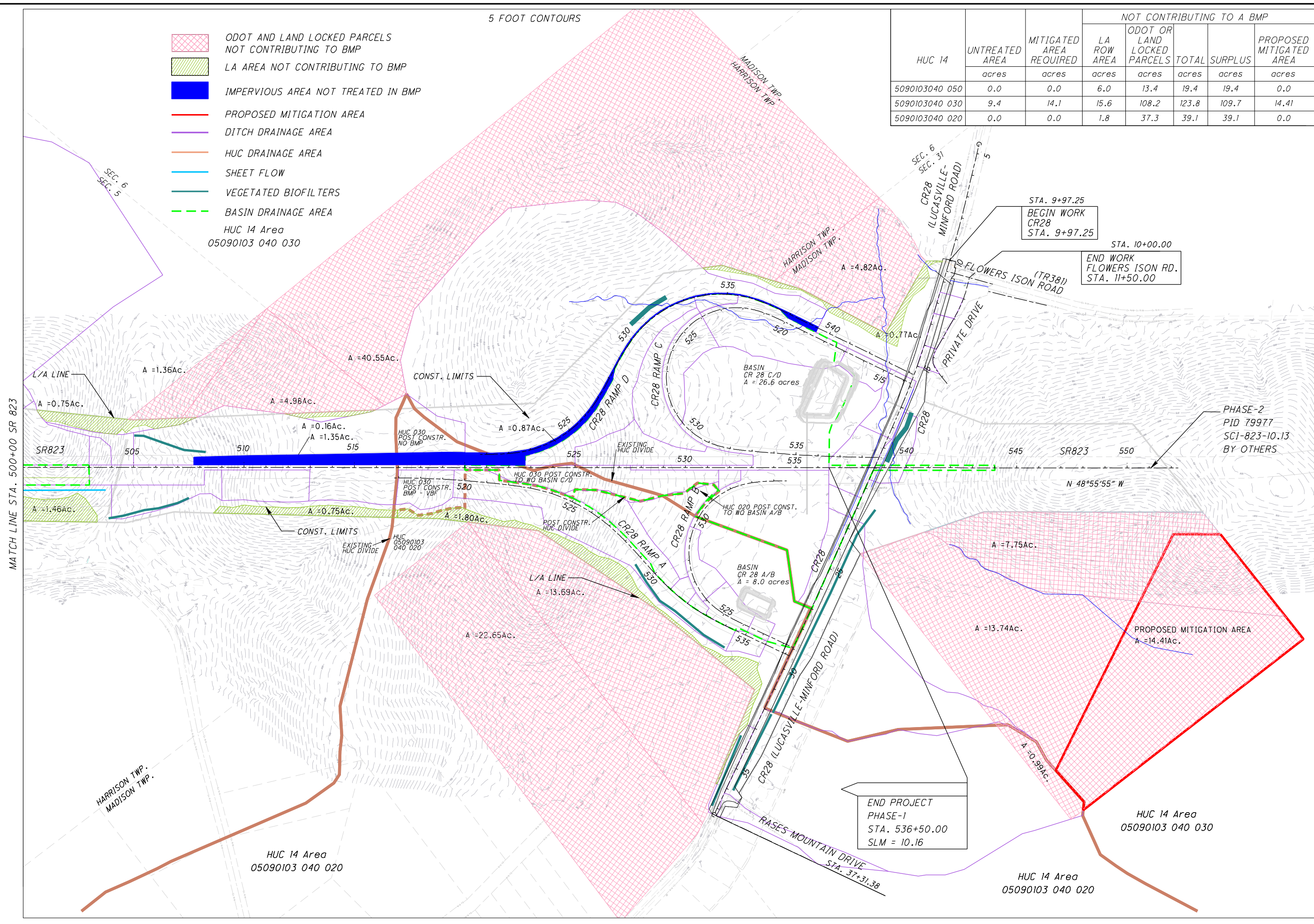
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SEC. 4
SEC. 5

USER: MUESS
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STAGES: /P/FILES
 REVISION DATE: 04/25/2018
 MODEL: MODEL1



- ODOT AND LAND LOCKED PARCELS NOT CONTRIBUTING TO BMP
 - LA AREA NOT CONTRIBUTING TO BMP
 - IMPERVIOUS AREA NOT TREATED IN BMP
 - PROPOSED MITIGATION AREA
 - DITCH DRAINAGE AREA
 - HUC DRAINAGE AREA
 - SHEET FLOW
 - VEGETATED BIOFILTERS
 - BASIN DRAINAGE AREA
- HUC 14 Area
 05090103 040 030

5 FOOT CONTOURS

HUC 14	UNTREATED AREA acres	MITIGATED AREA REQUIRED acres	NOT CONTRIBUTING TO A BMP				
			LA ROW AREA acres	ODOT OR LAND LOCKED PARCELS acres	TOTAL acres	SURPLUS acres	PROPOSED MITIGATED AREA acres
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5090103040 030	9.4	14.1	15.6	108.2	123.8	109.7	14.41
5090103040 020	0.0	0.0	1.8	37.3	39.1	39.1	0.0

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0 100 200 400
 HORIZONTAL SCALE IN FEET

BMP SCHEMATIC PLAN - SR823
STA. 500+00.00 TO STA. 555+00.00

SCI-823-6.81