

Chen, Sam@DOT

From: Tareque, Akm@DOT
Sent: Monday, December 29, 2014 11:03 AM
To: Chen, Sam@DOT; Dominguez, Refugio@DOT
Subject: FW: EA07-276001 AVSF D07 BMP nSSPs for concurrence
Attachments: 07-276001_concur1.pdf; 68-2.02F6_09-27-2013STP.docx; 75 1.03A_D10-25-12_AVSF_RBS.docx; 88-1.02B_TBMP_D6-05-2013_STP.docx; 68-1.03B_TBMP_D6-05-2013_MSM.docx; 68-2.02F5--09-27-2013_stp.docx

District Construction concurs with the use of these NSSPs to this project.

From: Farr, Gregory L@DOT
Sent: Monday, December 29, 2014 10:41 AM
To: Tareque, Akm@DOT
Cc: Chen, Sam@DOT
Subject: FW: EA07-276001 AVSF D07 BMP nSSPs for concurrence

From: Chen, Sam@DOT
Sent: Monday, December 29, 2014 10:14 AM
To: Farr, Gregory L@DOT
Cc: Tareque, Akm@DOT; Dominguez, Refugio@DOT; Mohsenzadeh-Fard, Mohammad Reza@DOT; Nguyen, Chris P@DOT
Subject: EA07-276001 AVSF D07 BMP nSSPs for concurrence

Please concur the use of attached 5 nSSPs from Stormwater Management for BMP related construction work.
Thank you,
Sam

From: Marti, Mike S@DOT
Sent: Monday, December 22, 2014 12:12 PM
To: Dominguez, Refugio@DOT
Cc: Mohsenzadeh-Fard, Mohammad Reza@DOT; Nguyen, Chris P@DOT; Chen, Sam@DOT; Ghate, Ravi B@DOT; Sobelman, Timothy B@DOT
Subject: RE: AVSF D07 BMP: Ea 07-276001; EFIS 0712000100

Hi Refugio,
Here is our concurrence Memo and nSSPs to use.
Thanks.

Mike Marti, P.E.
Senior - Office of Stormwater Management
Division of Design

Phone: (916) 651-9031

From: Dominguez, Refugio@DOT
Sent: Monday, December 15, 2014 5:12 PM
To: Marti, Mike S@DOT

Cc: Mohsenzadeh-Fard, Mohammad Reza@DOT; Nguyen, Chris P@DOT; Chen, Sam@DOT; Ghate, Ravi B@DOT
Subject: FW: AVSF D07 BMP: Ea 07-276001; EFIS 0712000100

Good afternoon, Mike

Here is the request for Subgrade/Trench, Class D, Permeable Material 4 and 5 for the Austin Filter.

Please provide approval by Wednesday since we have RT by Friday.

Thank you

From: Mohsenzadeh-Fard, Mohammad Reza@DOT
Sent: Monday, December 15, 2014 11:39 AM
To: Dominguez, Refugio@DOT
Subject: FW: AVSF D07 BMP: Ea 07-276001; EFIS 0712000100

From: Nguyen, Chris P@DOT
Sent: Thursday, November 20, 2014 12:53 PM
To: Marti, Mike S@DOT
Cc: Bhalla, Dave@DOT; Dominguez, Refugio@DOT; Mohsenzadeh-Fard, Mohammad Reza@DOT; Chen, Sam@DOT; Sobelman, Timothy B@DOT
Subject: RE: AVSF D07 BMP: Ea 07-276001; EFIS 0712000100

Thank you Mike. Answer to #1 question is 2,772 ft3.

Pls. see below for specific actions in GREEN.

Regards,

Chris Nguyen/ Hydraulics
(213)897-2768

From: Marti, Mike S@DOT
Sent: Thursday, November 20, 2014 12:10 PM
To: Nguyen, Chris P@DOT
Cc: Bhalla, Dave@DOT; Dominguez, Refugio@DOT; Mohsenzadeh-Fard, Mohammad Reza@DOT; Chen, Sam@DOT; Sobelman, Timothy B@DOT
Subject: RE: AVSF D07 BMP: Ea 07-276001; EFIS 0712000100

Thanks for the package. It was easy to review 😊

Give me an answer to 1 and if it is acceptable (it should be just below 3500 cf) I can give concurrence. Items 2 and 3 are my recommendations to make PS&E package biddable and buildable. I would also appreciate an official Request Memo. See our website for example.

<http://www.dot.ca.gov/hq/oppd/stormwtr/nssp.htm> *Sam, memo should be initiated by your DOE.*

Here are my comments:

1. General question – what is the WQV reported in the SWDR for proposed AVSF? **2,722 ft3.**
2. BEES

- a. Use typical BEES Item Code for Structure Excavation and Backfill. Why did you make a special item? I don't think its necessary. **Mohammad, it's your call.**
 - b. Class D Filter Fabric quantity shows 110. The Plans and Design spreadsheet show 109. Which is correct? **Mohammad, pls. do not round up.**
3. Plans
- a. D-3 How is Contractor (Or Caltrans Survey Crew) going to know how to locate 4 corners of AVSF device and pipes into device? Suggest adding coordinates or offsets.
Agreed, will reflect them on 100% package next week:
WE1: 235.27' Lt 843+40.371
WE3: 185.12' Lt 843+26.632
WE4: 190.67' Lt 843+06.378
WE6: 240.82' Lt 843+20.117
 - b. DP-2 FG linework is typically solid. Why is it shown as dashed? **Will change to solid.**
 - c. Show Design Wall Hts for sedimentation (6') and filtration chamber (10') in Wall Table. **Will show.**
 - d. How was W1 and WE6 elevations set? Was it set by using the design HGL (25 yr)? What is the design HGL in device? Just want to make sure the wall elevations are set properly. **They're set by the controlled elevation @ the existing pipe where MH No1 (Unit n, sheet DP-2) is to be connected.**
 - e. DQ-2 6" PPP Underdrain shows 131 LF. BEES and Design Tool Estimate does not match. Verify which is correct and make changes accordingly. **Mohammad, BEES should be 131 LF.**
 - f. DQ-2 6" Non-PPP Underdrain shows 23 LF. BEES and Design Tool Estimate does not match. Verify which is correct and make changes accordingly. **23.0 + 32.0 (unit j) = 55.0 LF total.**
 - g. C-1 Suggest adding the section material (i.e., same material in Section B-B?) to the Access Area designated in the Legend. **Mohammad, it's your call.**
 - h. C-1 See D-3 comment above. I suggest using coordinates at each fence angle point/corner. **Mohammad: They'll show on my D-3 sheet soon, copy & paste to your C-1 sheet if necessary.**
 - i. G-1 Show FG elevations at each corner of AVSF device. Suggest showing linework for where sedimentation/filtration chamber join and show FG elevations. **Mohammad: Extract data from my DP-2 sheet.**

From: Nguyen, Chris P@DOT
Sent: Wednesday, November 19, 2014 4:38 PM
To: Marti, Mike S@DOT
Cc: Bhalla, Dave@DOT; Dominguez, Refugio@DOT; Mohsenzadeh-Fard, Mohammad Reza@DOT; Chen, Sam@DOT
Subject: AVSF D07 BMP: Ea 07-276001; EFIS 0712000100

Hi Mike,

It's that time for district circulation that I've mentioned to you 10 months ago. Please see below my respond in GREEN. The D-7 OE staff would like to obtain the nSSP in 7 days. If I can be of any further assistance, please let me know.

Regards,

Chris Nguyen/ Hydraulics
(213)897-2768

From: Marti, Mike S@DOT
Sent: Tuesday, January 28, 2014 10:53 AM
To: Nguyen, Chris P@DOT
Cc: Bhalla, Dave@DOT; Pak, Shirley Y@DOT; Penders, Sean T@DOT
Subject: RE: AVSF D07 BMP: Ea 07-276001; EFIS 0712000100

Hi Chris,

Download the nSSPs and plans from our website for the AVSF. It is too early for our office to give concurrence for this project since the PS&E date is June 2014.

To help you out I did a cursory review of the package submitted and here are my comments:

1. DP-2 The overflow pipe soffit is 101.3. WE1/6 elevations are 101.1. Make sure that the design flow elevation and 0.5 foot of freeboard requirements are met when setting WE1/6 elevations.
WE1 = WE6 Elevation adjusted to 101.84, Pls see attached Sht DP-2.
2. DQ-2 Structure excavation and backfill quantities do not match the design spreadsheet quantities for these items. The Finished Grade elevations are shown exactly at 0.5 feet below the WE1 thru 6 top of wall elevations. Are these the correct Finished Grade elevations? If so, then the structure excavation and backfill quantities shown in the design spreadsheet cost estimate tab are correct and should be used in your quantity sheet.
Pls. refer to Sht DP-2: The true Structure Exc. starting from the dotted line (OG), which is about half of the Vault's height. Same as Structure Backfill will be up to the dash line (FG). That's give the result different from the spreadsheet.
3. I would also show the Finished Grade elevations on the Contour Plan. The contractor must know how to grade the site. What are the grading limits around the AVSF?
Pls. refer to Contour Grading Plan, Sht G-1.
4. Has Maintenance reviewed the plans for access? What is being proposed?
Pls. refer to Construction Details, Sht C-1.
5. Provide BEES and make sure the design spreadsheet costs are the same shown in BEES.
BEES attached.

Once you get closer to your PS&E date our office can give concurrence for the use of the AVSF nSSPs. The reason for not giving concurrence now is because the nSSPs change and I want to make sure we use the most up to date nSSPs. Make sure the above items are addressed appropriately too.

Mike Marti, P.E.
Senior Transportation Engineer
Office of Storm Water Management-Desgn
(916) 651-9031

From: Nguyen, Chris P@DOT
Sent: Friday, January 24, 2014 2:26 PM
To: Marti, Mike S@DOT
Cc: Bhalla, Dave@DOT; Pak, Shirley Y@DOT
Subject: AVSF D07 BMP: Ea 07-276001; EFIS 0712000100

Hi Mike,

I'm working on a BMP project in District 07 – Ven 101 city of Camarillo. Along with the vast majority of Bioswales & Biostrips, there's 1 AVSF unit.

The district circulation for this project PS&E target will be June 2014.

Attached for your plan check are Drainage Plan, Profile and Quantity sheets and Excel spreadsheet of that unit.

Any question or comment, please redlines/ e-mail or call myself.

Regards,

Chris Nguyen/ Hydraulics
(213)897-2768