

ENG-SF21021-R2-CDs.pdf Markup Summary

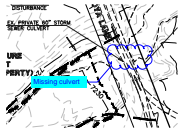
1 (1)

[See comment letter also](#)

Subject: Text Box
Page Index: 1
Date: 12/10/2021 1:21:18 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

See comment letter also

3 (16)



Subject: Cloud+
Page Index: 3
Date: 11/23/2021 4:10:14 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] layout

Missing culvert



Subject: Engineer
Page Index: 3
Date: 12/2/2021 10:01:17 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

we have been seeing a lot of blow outs when using straw bales in ditches after a large rain event. consider using straw wattles in lieu of straw bales.



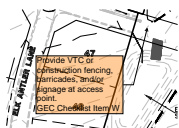
Subject: Engineer
Page Index: 3
Date: 12/2/2021 10:35:45 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

add temporary sediment basin to treat stormwater during construction.



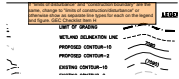
Subject: Engineer
Page Index: 3
Date: 12/2/2021 3:02:12 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

add temporary sediment basin to treat stormwater during construction.



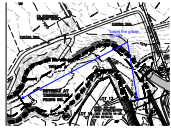
Subject: Engineer
Page Index: 3
Date: 12/2/2021 3:02:36 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

Provide VTC or construction fencing, barricades, and/or signage at access point. GEC Checklist Item W



Subject: Engineer
Page Index: 3
Date: 12/2/2021 11:54:05 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

If "limits of disturbance" and "construction boundary" are the same, change to "limits of construction/disturbance" or otherwise show as separate line types for each on the legend and figure. GEC Checklist Item H



Subject: Callout
Page Index: 3
Date: 12/7/2021 11:57:03 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] layout

Label the grade control



Subject: Callout
Page Index: 3
Date: 12/7/2021 2:12:24 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] layout

2% bench per std section? (if not needed add a note on the std. section sheet.



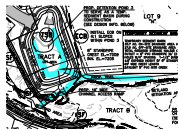
Subject: Callout
Page Index: 3
Date: 12/7/2021 2:13:31 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] layout

If the 2% bench is for walking, do you want to go around the hole?



Subject: Callout
Page Index: 3
Date: 12/7/2021 2:18:29 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] layout

label as maintenance access also or show that



Subject:
Page Index: 3
Date: 12/7/2021 2:18:10 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] layout



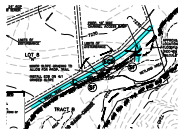
Subject: Callout
Page Index: 3
Date: 12/7/2021 2:19:16 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] layout

clearly show all maintenance access roads



Subject: Callout
Page Index: 3
Date: 12/7/2021 2:21:02 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] layout

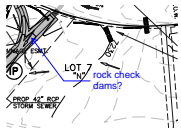
Additional check structure?



Subject:
Page Index: 3
Date: 12/7/2021 2:22:16 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] layout



Subject:
Page Index: 3
Date: 12/7/2021 2:22:43 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] layout



Subject: Callout
Page Index: 3
Date: 12/9/2021 1:52:47 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] layout

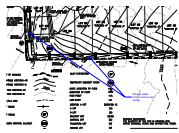
rock check dams?

4 (3)



Subject: Callout
Page Index: 4
Date: 12/7/2021 2:29:48 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] layout

Show where the temporary and permanent outlet pipes will release flows (into an inlet?). Curbline appears to be 5' higher than the pond bottom.



Subject: Callout
Page Index: 4
Date: 12/7/2021 2:27:35 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] layout

Provide swale cross-sections and design



Subject: Callout
Page Index: 4
Date: 12/8/2021 3:40:48 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] layout

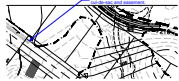
show rundown protection

5 (2)



Subject: Callout
Page Index: 5
Date: 12/7/2021 2:33:24 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] layout

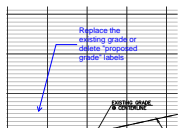
Show outlet pipe and elevations



Subject: Callout
Page Index: 5
Date: 12/7/2021 2:36:13 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] layout

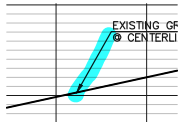
Show the temporary cul-de-sac and easement.

6 (4)

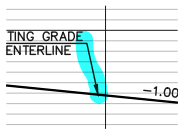


Subject: Callout
Page Index: 6
Date: 12/7/2021 2:38:18 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

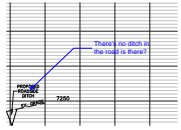
Replace the existing grade or delete "proposed grade" labels



Subject:
Page Index: 6
Date: 12/7/2021 2:37:24 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1



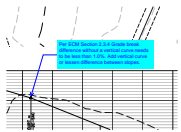
Subject:
Page Index: 6
Date: 12/7/2021 2:37:34 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1



Subject: Callout
Page Index: 6
Date: 12/7/2021 2:39:33 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

There's no ditch in the road is there?

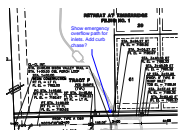
7 (1)



Subject: Callout
Page Index: 7
Date: 11/23/2021 4:20:56 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Per ECM Section 2.3.4 Grade break difference without a vertical curve needs to be less than 1.0%. Add vertical curve or lessen difference between slopes.

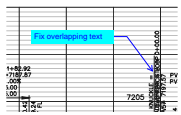
8 (1)



Subject: Callout
Page Index: 8
Date: 12/8/2021 8:44:00 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

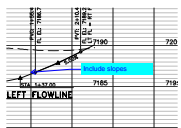
Show emergency overflow path for inlets. Add curb chase?

10 (5)



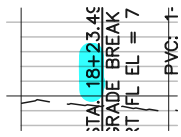
Subject: Callout
Page Index: 10
Date: 11/24/2021 9:54:55 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Fix overlapping text

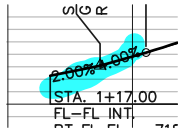


Subject: Callout
Page Index: 10
Date: 12/7/2021 12:55:07 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

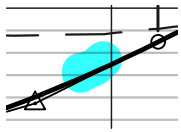
Include slopes



Subject:
Page Index: 10
Date: 12/7/2021 2:41:27 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

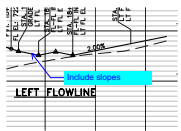


Subject:
Page Index: 10
Date: 12/7/2021 2:41:39 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1



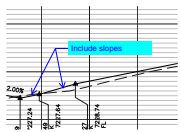
Subject:
Page Index: 10
Date: 12/7/2021 2:41:42 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

11 (2)



Subject: Callout
Page Index: 11
Date: 11/24/2021 9:54:08 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

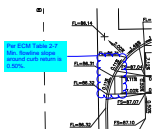
Include slopes



Subject: Callout
Page Index: 11
Date: 12/7/2021 1:40:04 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Include slopes

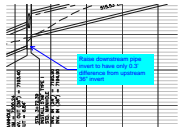
12 (1)



Subject: Cloud+
Page Index: 12
Date: 11/24/2021 10:00:43 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Per ECM Table 2-7 Min. flowline slope around curb return is 0.50%.

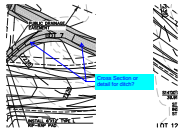
14 (1)



Subject: Callout
Page Index: 14
Date: 11/24/2021 8:42:03 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

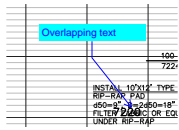
Raise downstream pipe invert to have only 0.3' difference from upstream 36" invert

17 (2)



Subject: Callout
Page Index: 17
Date: 11/24/2021 10:19:25 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

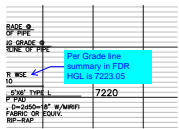
Cross Section or detail for ditch?



Subject: Callout
Page Index: 17
Date: 11/24/2021 10:21:05 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

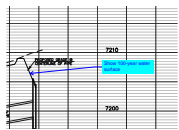
Overlapping text

18 (3)



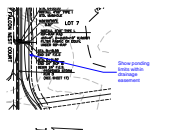
Subject: Callout
Page Index: 18
Date: 11/24/2021 10:30:23 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Per Grade line summary in FDR HGL is 7223.05



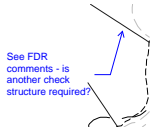
Subject: Callout
Page Index: 18
Date: 11/24/2021 11:00:13 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Show 100-year water surface



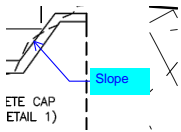
Subject: Callout
Page Index: 18
Date: 12/8/2021 2:42:31 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Show ponding limits within drainage easement



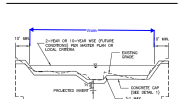
Subject: Callout
Page Index: 19
Date: 12/8/2021 2:43:27 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] CHANNEL 1

See FDR comments - is another check structure required?



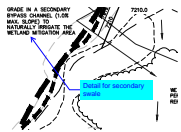
Subject: Callout
Page Index: 20
Date: 11/24/2021 11:07:24 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] CHANNEL 2

Slope



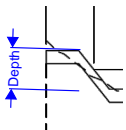
Subject: Dimension
Page Index: 20
Date: 11/24/2021 11:08:25 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] CHANNEL 2

Width



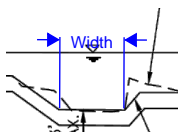
Subject: Callout
Page Index: 20
Date: 11/24/2021 11:10:31 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] CHANNEL 2

Detail for secondary swale



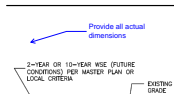
Subject: Dimension
Page Index: 20
Date: 11/24/2021 11:12:03 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] CHANNEL 2

Depth



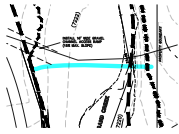
Subject: Dimension
Page Index: 20
Date: 11/24/2021 11:13:19 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] CHANNEL 2

Width



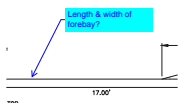
Subject: Callout
Page Index: 20
Date: 12/7/2021 2:08:35 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] CHANNEL 2

Provide all actual dimensions



Subject:
Page Index: 20
Date: 12/8/2021 2:45:06 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] CHANNEL 2

21 (8)



Subject: Callout
Page Index: 21
Date: 11/24/2021 11:14:51 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Length & width of forebay?



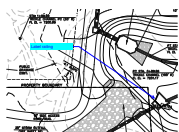
Subject: Callout
Page Index: 21
Date: 11/24/2021 11:32:03 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Access needs to be within 20 ft of all pond structures



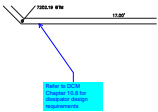
Subject: Callout
Page Index: 21
Date: 11/24/2021 11:39:10 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Any reinforcement for wall? total height/bury of wall? footer?



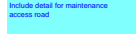
Subject: Callout
Page Index: 21
Date: 11/24/2021 11:39:55 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Label railing



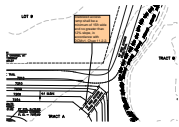
Subject: Callout
Page Index: 21
Date: 11/24/2021 11:46:18 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Refer to DCM Chapter 10.8 for dissipator design requirements



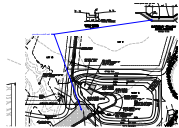
Subject: Text Box
Page Index: 21
Date: 11/24/2021 11:48:40 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Include detail for maintenance access road



Subject: Engineer
Page Index: 21
Date: 12/2/2021 12:50:09 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] Layout1

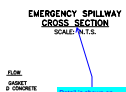
Stabilized access ramp shall be a minimum of 15ft wide and no greater than 12% slope, in accordance with DCMv1, Chap 11.2.2.



Subject: Callout
Page Index: 21
Date: 12/7/2021 12:43:25 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

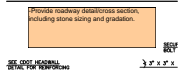
provide a cutoff wall

22 (2)



Subject: Callout
Page Index: 22
Date: 11/24/2021 11:32:49 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

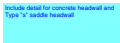
Detail is shown on previous page - delete one version



Subject: Engineer
Page Index: 22
Date: 12/2/2021 1:11:04 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] Layout1

-Provide roadway detail/cross section, including stone sizing and gradation.

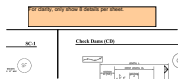
23 (1)



Subject: Text Box
Page Index: 23
Date: 11/24/2021 11:53:50 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Include detail for concrete headwall and Type "s" saddle headwall

24 (2)



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For clarity, only show 8 details per sheet.



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Include detail for curb inlet protection