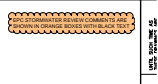


ENG-SF20015-R2-CD-redlines.pdf Markup Summary

1 (5)



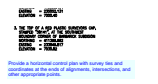
Subject: Stormwater Comments Color
Page Index: 1
Date: 3/15/2021 4:36:40 PM
Author: CFurchak
Color: ■
Layer:
Space:
Page Label: [1] 1 Cover Sheet

JUARY 21

SF-20-015

Subject: Engineer
Page Index: 1
Date: 3/15/2021 4:37:39 PM
Author: CFurchak
Color: ■
Layer:
Space:
Page Label: [1] 1 Cover Sheet

SF-20-015



Subject: Text Box
Page Index: 1
Date: 3/30/2021 12:52:22 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] 1 Cover Sheet

Provide a horizontal control plan with survey ties and coordinates at the ends of alignments, intersections, and other appropriate points.

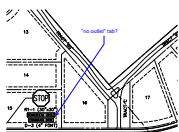


Subject: EPC ENG Review
Page Index: 1
Date: 3/30/2021 12:52:40 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] 1 Cover Sheet



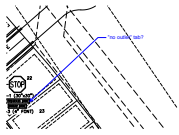
Subject: PCD Comment Legend
Page Index: 1
Date: 3/30/2021 12:52:48 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] 1 Cover Sheet

7 (5)



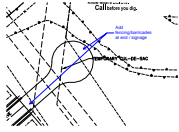
Subject: Callout
Page Index: 7
Date: 3/30/2021 2:06:50 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 SI07 - SI07

"no outlet" tab?



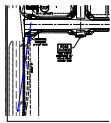
Subject: Callout
Page Index: 7
Date: 3/30/2021 2:07:12 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 SI07 - SI07

"no outlet" tab?

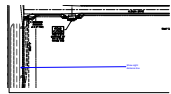


Subject: Callout
Page Index: 7
Date: 3/30/2021 2:08:07 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 SI07 - SI07

Add fencing/barricades at end / signage



Subject: Arrow
Page Index: 7
Date: 3/30/2021 2:09:05 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 SI07 - SI07



Subject: Callout
Page Index: 7
Date: 3/30/2021 2:11:38 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 SI07 - SI07

Show sight distance line

8 (1)



Subject: Text Box
Page Index: 8
Date: 3/30/2021 11:34:34 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Verify compliance with new ADA details

10 (1)



Subject:
Page Index: 10
Date: 3/30/2021 12:13:02 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

11 (1)

STRM_19 PROFILE
STA 0+00.00 TO 13+29.82
PRIVATE (SRMD)



Subject:
Page Index: 11
Date: 3/30/2021 12:12:12 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

PRIVATE (SRMD)

12 (4)



Subject:
Page Index: 12
Date: 3/30/2021 12:11:36 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

STRM_19_LAT 3 PROFILE
STA 0+00.00 TO 2+00.00
PRIVATE (SRMD)



Subject:
Page Index: 12
Date: 3/30/2021 12:11:40 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

PRIVATE (SRMD)

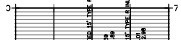
STRM_19_LAT 2 PROFILE
STA 0+00.00 TO 2+50.00
PRIVATE (SRMD)



Subject:
Page Index: 12
Date: 3/30/2021 12:11:46 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

PRIVATE (SRMD)

STRM_19_LAT 1 PROFILE
STA 0+00.00 TO 2+00.00
PRIVATE (SRMD)



Subject:
Page Index: 12
Date: 3/30/2021 12:11:55 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

PRIVATE (SRMD)

13 (1)



Subject:
Page Index: 13
Date: 3/30/2021 12:14:44 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

14 (1)



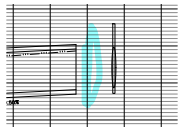
Subject: Highlight
Page Index: 14
Date: 3/30/2021 12:17:39 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

15 (2)



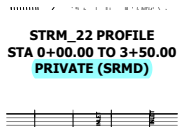
Subject: Text Box
Page Index: 15
Date: 3/30/2021 12:18:00 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

SRMD



Subject:
Page Index: 15
Date: 3/30/2021 12:21:19 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

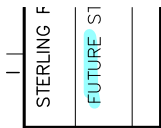
16 (1)



Subject:
Page Index: 16
Date: 3/30/2021 12:18:53 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

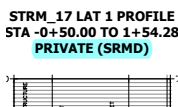
PRIVATE (SRMD)

17 (1)



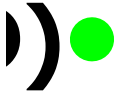
Subject:
Page Index: 17
Date: 3/30/2021 12:22:07 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

19 (3)

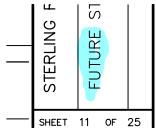


Subject:
Page Index: 19
Date: 3/30/2021 12:26:37 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

PRIVATE (SRMD)

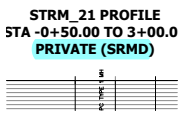


Subject: Highlight
 Page Index: 19
 Date: 3/30/2021 12:27:28 PM
 Author: dsdrice
 Color: ■
 Layer:
 Space:
 Page Label: [8] 8 DT01 - SI01



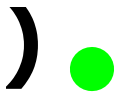
Subject:
 Page Index: 19
 Date: 3/30/2021 12:27:39 PM
 Author: dsdrice
 Color: ■
 Layer:
 Space:
 Page Label: [8] 8 DT01 - SI01

20 (2)



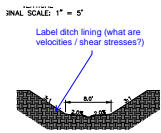
Subject:
 Page Index: 20
 Date: 3/30/2021 12:28:48 PM
 Author: dsdrice
 Color: ■
 Layer:
 Space:
 Page Label: [8] 8 DT01 - SI01

PRIVATE (SRMD)



Subject: Highlight
 Page Index: 20
 Date: 3/30/2021 12:28:52 PM
 Author: dsdrice
 Color: ■
 Layer:
 Space:
 Page Label: [8] 8 DT01 - SI01

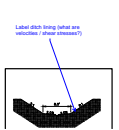
21 (1)



Subject: Callout
 Page Index: 21
 Date: 3/30/2021 12:33:34 PM
 Author: dsdrice
 Color: ■
 Layer:
 Space:
 Page Label: [8] 8 DT01 - SI01

Label ditch lining (what are velocities / shear stresses?)

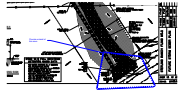
22 (1)



Subject: Callout
 Page Index: 22
 Date: 3/30/2021 12:32:54 PM
 Author: dsdrice
 Color: ■
 Layer:
 Space:
 Page Label: [8] 8 DT01 - SI01

Label ditch lining (what are velocities / shear stresses?)

23 (1)



Subject: Cloud+
Page Index: 23
Date: 3/30/2021 12:34:32 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Provide a detail of this area

25 (4)

ALL GRATE DIMENSIONS TO BE FIELD VERIFIED PRIOR TO FABRICATION. ALL GRATE MATERIAL SHALL BE GALVANIZED.

Subject: Line
Page Index: 25
Date: 3/15/2021 3:34:01 PM
Author: CFurchak
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

ALL WELDED, OUTLETS, IMPELLOR AND FASTENERS SHALL BE FABRICATED USING STAINLESS STEEL, UNLESS OTHERWISE NOTED.
ALL GRATE DIMENSIONS TO BE FIELD VERIFIED PRIOR TO FABRICATION. ALL GRATE MATERIAL SHALL BE GALVANIZED.

Subject: Line
Page Index: 25
Date: 3/15/2021 3:34:04 PM
Author: CFurchak
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

FIELD
ALL

Subject: Line
Page Index: 25
Date: 3/15/2021 3:34:07 PM
Author: CFurchak
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

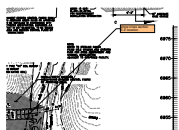
ALL GRATE MATERIAL SHALL BE GALVANIZED.

ANCHOR BOLT
remove text

Subject: Engineer
Page Index: 25
Date: 3/15/2021 3:34:14 PM
Author: CFurchak
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

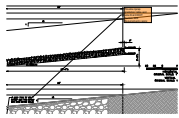
remove text

27 (6)



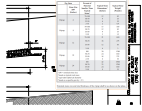
Subject: Engineer
Page Index: 27
Date: 3/15/2021 3:39:55 PM
Author: CFurchak
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

show cross section E-E location



Subject: Engineer
Page Index: 27
Date: 3/15/2021 3:43:09 PM
Author: CFurchak
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Provide riprap gradation table and note that CDOT Section 506 Requirements apply



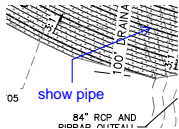
Subject: Image
Page Index: 27
Date: 3/15/2021 3:43:43 PM
Author: CFurchak
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

TYPE 'H' SOIL
 (MIX 70% RIPRA
 30% NATIVE SOILS)

Subject: Engineer
Page Index: 27
Date: 3/15/2021 4:18:54 PM
Author: CFurchak
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

TYPE 'VH' SOIL
 (MIX 70% RIPRAF
 30% NATIVE SOILS)

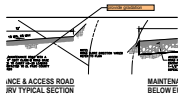
Subject: Engineer
Page Index: 27
Date: 3/15/2021 4:19:00 PM
Author: CFurchak
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01



Subject: Callout
Page Index: 27
Date: 3/30/2021 12:37:04 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

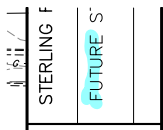
show pipe

28 (7)



Subject: Engineer
Page Index: 28
Date: 3/15/2021 4:19:50 PM
Author: CFurchak
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

provide gradation



Subject:
Page Index: 28
Date: 3/30/2021 12:39:25 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

LAIN

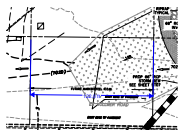
"=20'

Subject:
Page Index: 28
Date: 3/30/2021 12:40:26 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

ENTION POND W-4



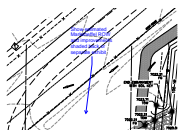
Subject: Callout 30?
Page Index: 28
Date: 3/30/2021 12:40:41 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01



Subject: Length Measurement 122.0 ft
Page Index: 28
Date: 3/30/2021 12:41:43 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01



Subject: Callout Adjust text for legibility, show lines
Page Index: 28
Date: 3/30/2021 12:42:29 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01



Subject: Callout Show estimated Marksheffel ROW and improvements shaded back or separate exhibit
Page Index: 28
Date: 3/30/2021 12:43:07 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

30 (1)

TYPE 'L' SOIL
X 70% RIPRAP
NATIVE SOILS)

Subject: Engineer
Page Index: 30
Date: 3/15/2021 4:23:33 PM
Author: CFurchak
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

31 (5)

FIELD
↓. ~~ALL~~

Subject: Line
Page Index: 31
Date: 3/15/2021 4:25:02 PM
Author: CFurchak
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

ALL WELDED JOINTS, INCLUDING WELD FASTENERS SHALL BE FABRICATED USING STAINLESS STEEL, UNLESS OTHERWISE NOTED.
ALL GRATE DIMENSIONS TO BE FIELD VERIFIED PRIOR TO FABRICATION. A GRATE MATERIAL SHALL BE GALVANIZED.

Subject: Line
Page Index: 31
Date: 3/15/2021 4:25:09 PM
Author: CFurchak
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

ALL GRATE DIMENSIONS TO BE FIELD VERIFIED PRIOR TO FABRICATION. A GRATE MATERIAL SHALL BE GALVANIZED.

Subject: Line
Page Index: 31
Date: 3/15/2021 4:25:14 PM
Author: CFurchak
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

ALL WELDED JOINTS, INCLUDING WELD FASTENERS SHALL BE FABRICATED USING STAINLESS STEEL, UNLESS OTHERWISE NOTED.
ALL GRATE DIMENSIONS TO BE FIELD VERIFIED PRIOR TO FABRICATION. A GRATE MATERIAL SHALL BE GALVANIZED.

remove text

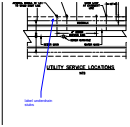
Subject: Engineer
Page Index: 31
Date: 3/15/2021 4:25:20 PM
Author: CFurchak
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

remove text

Welding stainless steel is very toxic -- may want to bolt the screen instead.
DE
C10X30 AMERICAN ST
STRUCTURAL STEEL C
TRASH RACK ATTACH

Subject: Engineer
Page Index: 31
Date: 3/15/2021 4:35:53 PM
Author: CFurchak
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Welding stainless steel is very toxic -- may want to bolt the screen instead.



Subject: Callout
Page Index: 44
Date: 3/30/2021 12:50:26 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

label underdrain stubs