
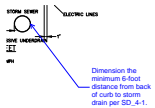



ENG-SF22013-R1-CDs.pdf Markup Summary

1 (8)

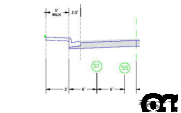



Subject: Stamp - Stormwater Comment Legend
Page Index: 1
Date: 5/12/2022 1:05:59 PM
Author: Glenn Reese - EPC Stormwater
Color: 
Layer:
Space:
Page Label: [1] 1 CV01- Steet Plans - CV01

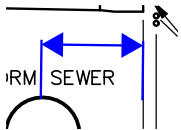



Subject: Callout
Page Index: 1
Date: 5/16/2022 10:25:30 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [1] 1 CV01- Steet Plans - CV01

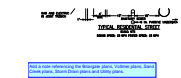
Dimension the minimum 6-foot distance from back of curb to storm drain per SD_4-1.




Subject: Image
Page Index: 1
Date: 5/16/2022 10:26:38 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [1] 1 CV01- Steet Plans - CV01

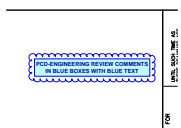



Subject: Dimension
Page Index: 1
Date: 5/16/2022 10:27:05 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [1] 1 CV01- Steet Plans - CV01




Subject: Text Box
Page Index: 1
Date: 5/16/2022 10:31:15 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [1] 1 CV01- Steet Plans - CV01


Add a note referencing the Briargate plans, Vollmer plans, Sand Creek plans, Storm Drain plans and Utility plans.



Subject: PCD Comment Legend
Page Index: 1
Date: 5/16/2022 10:31:55 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [1] 1 CV01- Steet Plans - CV01

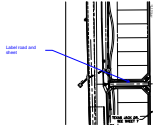
Subject: EPC ENG Review
Page Index: 1
Date: 5/16/2022 10:32:04 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [1] 1 CV01- Steet Plans - CV01


See comment letter also.

Subject: Text Box
Page Index: 1
Date: 5/16/2022 10:35:38 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [1] 1 CV01- Steet Plans - CV01

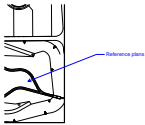
See comment letter also.


2 (4)



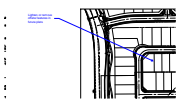
Subject: Callout
Page Index: 2
Date: 5/16/2022 11:49:29 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [2] 2 GN01 - GN01


Label road and sheet



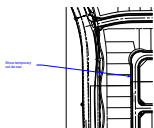
Subject: Callout
Page Index: 2
Date: 5/16/2022 11:50:02 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [2] 2 GN01 - GN01


Reference plans



Subject: Callout
Page Index: 2
Date: 5/16/2022 11:53:12 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [2] 2 GN01 - GN01


Lighten or remove offsite features in future plats




Subject: Callout
Page Index: 2
Date: 5/16/2022 11:53:38 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [2] 2 GN01 - GN01

Show temporary cul-de-sac


AS HACK DR
F

Subject:
Page Index: 3
Date: 5/16/2022 11:54:25 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [3] 3 2518800HC01 - HC01

DR-- WILLEY PICKET DR.


Subject:
Page Index: 3
Date: 5/16/2022 11:54:28 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [3] 3 2518800HC01 - HC01

HAMMER


Subject:
Page Index: 3
Date: 5/16/2022 11:54:45 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [3] 3 2518800HC01 - HC01

M

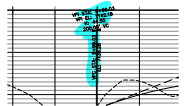
CL/CL INTERSECTIO
TOM KETCHUM DRIV
STA: 4+96.92
WHEATLAND DRIV
STA: 2+54.7


Subject:
Page Index: 3
Date: 5/16/2022 11:55:09 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [3] 3 2518800HC01 - HC01

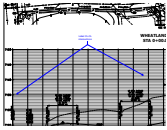


Subject: Callout
Page Index: 3
Date: 5/16/2022 11:55:34 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [3] 3 2518800HC01 - HC01

Label road names

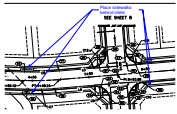


Subject:
Page Index: 4
Date: 5/16/2022 11:56:28 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [4] 4 2518800SI01 - Wheatland Drive



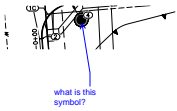
Subject: Callout
Page Index: 4
Date: 5/16/2022 11:59:00 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [4] 4 2518800SI01 - Wheatland Drive

Label CL-CL intersections



Subject: Callout
Page Index: 4
Date: 5/16/2022 12:00:17 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [4] 4 2518800SI01 - Wheatland Drive

Place sidewalks behind inlets



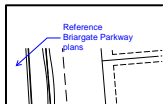
Subject: Callout
Page Index: 4
Date: 5/16/2022 12:01:24 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [4] 4 2518800SI01 - Wheatland Drive

what is this symbol?



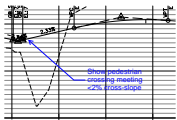
Subject: Callout
Page Index: 4
Date: 5/16/2022 12:02:00 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [4] 4 2518800SI01 - Wheatland Drive

Don't show future subdivisions



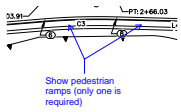
Subject: Callout
Page Index: 4
Date: 5/16/2022 12:02:26 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [4] 4 2518800SI01 - Wheatland Drive

Reference Briargate Parkway plans



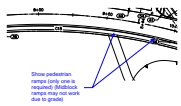
Subject: Callout
Page Index: 4
Date: 5/16/2022 12:04:30 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [4] 4 2518800SI01 - Wheatland Drive

Show pedestrian crossing meeting <2% cross-slope



Subject: Callout
Page Index: 4
Date: 5/16/2022 12:07:59 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [4] 4 2518800SI01 - Wheatland Drive

Show pedestrian ramps (only one is required)



Subject: Callout
Page Index: 4
Date: 5/16/2022 12:09:14 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [4] 4 2518800SI01 - Wheatland Drive

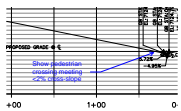
Show pedestrian ramps (only one is required)
(Midblock ramps may not work due to grade)

5 (1)



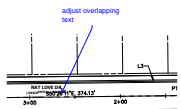
Subject:
Page Index: 5
Date: 5/16/2022 12:03:20 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [5] 5 2518800SI01 - Wheatland Drive -FL

6 (2)



Subject: Callout
Page Index: 6
Date: 5/16/2022 12:05:36 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [6] 6 2518800SI02 - NAT LOVE DRIVE

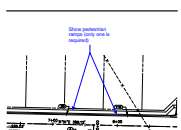
Show pedestrian crossing meeting <2%
cross-slope



Subject: Callout
Page Index: 6
Date: 5/16/2022 12:10:06 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [6] 6 2518800SI02 - NAT LOVE DRIVE

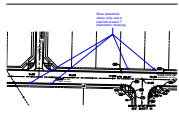
adjust overlapping text

7 (2)



Subject: Callout
Page Index: 7
Date: 5/16/2022 12:11:22 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 2518800SI03 - Texas Jack Drive

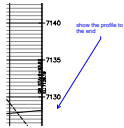
Show pedestrian ramps (only one is required)



Subject: Callout
Page Index: 7
Date: 5/16/2022 12:12:28 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 2518800SI03 - Texas Jack Drive

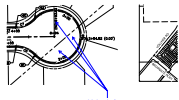
Show pedestrian ramps (only one is required at each T intersection crossing)

8 (5)



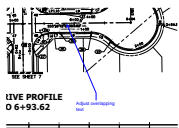
Subject: Callout
Page Index: 8
Date: 5/16/2022 12:13:25 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 2518800SI04 - TOM KETCHUM DRIVE

show the profile to the end



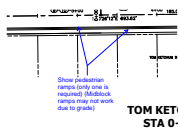
Subject: Callout
Page Index: 8
Date: 5/16/2022 12:14:14 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 2518800SI04 - TOM KETCHUM DRIVE

label grades from center out



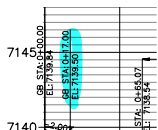
Subject: Callout
Page Index: 8
Date: 5/16/2022 12:14:28 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 2518800SI04 - TOM KETCHUM DRIVE

Adjust overlapping text



Subject: Callout
Page Index: 8
Date: 5/16/2022 12:15:36 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 2518800SI04 - TOM KETCHUM DRIVE

Show pedestrian ramps (only one is required)
(Midblock ramps may not work due to grade)



Subject:
Page Index: 8
Date: 5/16/2022 12:16:10 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 2518800SI04 - TOM KETCHUM DRIVE

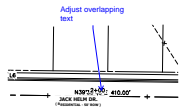
10 (3)



Subject:
Page Index: 10
Date: 5/16/2022 12:17:53 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [10] 10 2518800SI05 - Jack Helm Drive



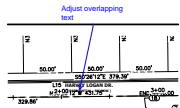
Subject:
Page Index: 10
Date: 5/16/2022 12:17:59 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [10] 10 2518800SI05 - Jack Helm Drive



Subject: Callout
Page Index: 10
Date: 5/16/2022 12:18:18 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [10] 10 2518800SI05 - Jack Helm Drive

Adjust overlapping text

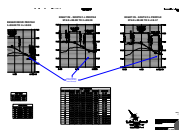
11 (1)



Subject: Callout
Page Index: 11
Date: 5/16/2022 12:19:09 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [11] 11 2518800SI06 - HARVEY LOGAN DRIVE

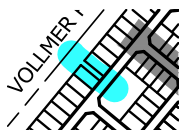
Adjust overlapping text

12 (2)



Subject: Callout
Page Index: 12
Date: 5/16/2022 12:22:24 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [12] 12 2518800SI07 - JANE KIRKHAM DRIVE

Show pedestrian crossing meeting <2% cross-slope



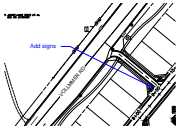
Subject:
Page Index: 12
Date: 5/16/2022 12:22:51 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [12] 12 2518800SI07 - JANE KIRKHAM DRIVE

13 (4)



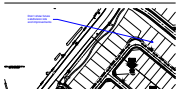
Subject: Callout
Page Index: 13
Date: 5/16/2022 12:23:50 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [13] 13 2518800SG01 - 2518800SG01

Adjust size of symbols, add street names



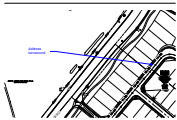
Subject: Callout
Page Index: 13
Date: 5/16/2022 12:24:15 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [13] 13 2518800SG01 - 2518800SG01

Add signs



Subject: Callout
Page Index: 13
Date: 5/16/2022 12:24:44 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [13] 13 2518800SG01 - 2518800SG01

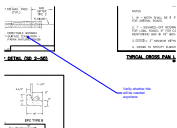
Don't show future subdivision lots and improvements



Subject: Callout
Page Index: 13
Date: 5/16/2022 12:25:04 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [13] 13 2518800SG01 - 2518800SG01

Address turnaround

14 (1)



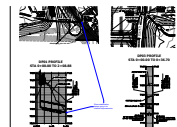
Subject: Callout
Page Index: 14
Date: 5/16/2022 12:26:11 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

Verify whether this will be needed anywhere

15 (1)

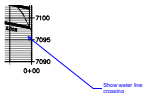
Engineering Review
05/19/2022 2:44:59 PM
dsdrice
JedRice@epcd.com
(719) 536-7677
EPC Planning & Community
Development Department

Subject: EPC ENG Review
Page Index: 15
Date: 5/19/2022 2:44:02 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01



Subject: Callout
Page Index: 17
Date: 5/16/2022 12:29:01 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

Show stabilization, design tying in to channel improvements



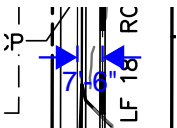
Subject: Callout
Page Index: 17
Date: 5/16/2022 12:29:48 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

Show water line crossing



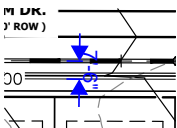
Subject: Text Box
Page Index: 17
Date: 5/19/2022 2:16:09 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

Show HGL on all storm drains



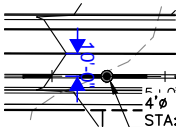
Subject: Length Measurement
Page Index: 18
Date: 5/16/2022 1:03:34 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

7'-6"



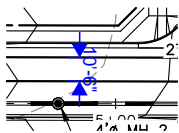
Subject: Length Measurement
Page Index: 18
Date: 5/16/2022 1:04:41 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

7'-6"



Subject: Length Measurement
Page Index: 18
Date: 5/16/2022 1:05:47 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

10'-0"



Subject: Length Measurement

10'-6"

Page Index: 18

Date: 5/16/2022 1:10:01 PM

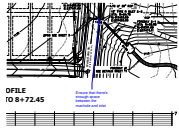
Author: dsdrice

Color: 

Layer:

Space:

Page Label: [14] 14 DT01 - DT01




Subject: Callout

Ensure that there's enough space between the manhole and inlet

Page Index: 18

Date: 5/16/2022 1:15:11 PM

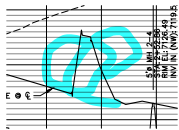
Author: dsdrice

Color: 

Layer:

Space:

Page Label: [14] 14 DT01 - DT01



Subject:

Page Index: 18

Date: 5/16/2022 1:19:31 PM

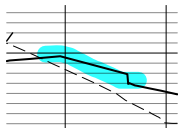
Author: dsdrice

Color: 

Layer:

Space:

Page Label: [14] 14 DT01 - DT01



Subject:

Page Index: 18

Date: 5/16/2022 1:22:17 PM

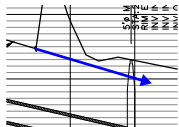
Author: dsdrice

Color: 

Layer:

Space:

Page Label: [14] 14 DT01 - DT01



Subject: Arrow

Page Index: 18

Date: 5/16/2022 1:23:16 PM

Author: dsdrice

Color: 

Layer:

Space:

Page Label: [14] 14 DT01 - DT01

20 (2)



Subject: Callout

Manhole not shown

Page Index: 20

Date: 5/16/2022 1:24:37 PM

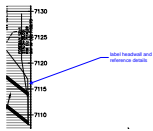
Author: dsdrice

Color: 

Layer:

Space:

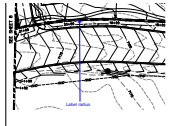
Page Label: [14] 14 DT01 - DT01



Subject: Callout
Page Index: 20
Date: 5/16/2022 1:26:48 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

label headwall and reference details

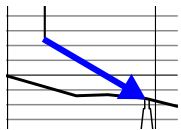
21 (1)



Subject: Callout
Page Index: 21
Date: 5/19/2022 2:43:01 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

Label radius

22 (2)

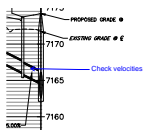


Subject: Arrow
Page Index: 22
Date: 5/19/2022 2:33:25 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01



Subject: Arrow
Page Index: 22
Date: 5/19/2022 2:33:51 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

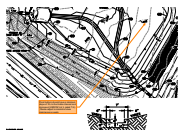
23 (1)



Subject: Callout
Page Index: 23
Date: 5/19/2022 2:39:39 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

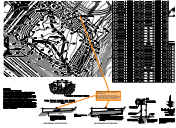
Check velocities

24 (5)



Subject: SW - Textbox with Arrow
Page Index: 24
Date: 5/12/2022 12:55:32 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

Pond bottom should have a minimum slope of 3% to the trickle channel and micropool (USDCM Vol 3, detail T-5). Please adjust to minimize future maintenance needs.



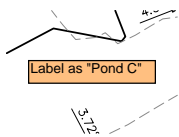
Subject: SW - Textbox with Arrow
Page Index: 24
Date: 5/12/2022 1:05:24 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

Stabilized access ramp shall be a minimum of 15ft wide and no greater than 12% slope, in accordance with DCMv1, Chap 11.2.2.
-Unless the anticipated maintenance vehicles and equipment can safely access the pond at specified road width. Properly document this in the Pond O&M manual (no such discussion currently seen in O&M Manual)

Also include pet waste station(s) around the pond, with signage stating that pet waste must be picked up.

Subject: SW - Textbox with Arrow
Page Index: 24
Date: 5/12/2022 10:41:15 AM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

Also include pet waste station(s) around the pond, with signage stating that pet waste must be picked up.



Subject: SW - Textbox
Page Index: 24
Date: 5/12/2022 12:58:16 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

Label as "Pond C"



Subject: SW - Textbox with Arrow
Page Index: 24
Date: 5/12/2022 12:58:04 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

Provide details/sections for spillway. Consider need for cutoff wall and bedding material/geotextile fabric between riprap and sub-base.

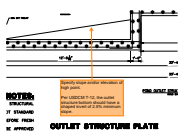
25 (1)



Subject: SW - Textbox
Page Index: 25
Date: 5/12/2022 1:01:56 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

provide forebay sizing calcs in FDR

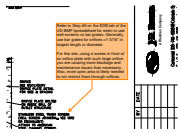
26 (7)



Subject: SW - Textbox with Arrow
Page Index: 26
Date: 5/12/2022 10:43:48 AM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

Specify slope and/or elevation of high point.

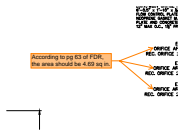
Per USDCM T-12, the outlet structure bottom should have a shaped invert of 2.5% minimum slope.



Subject: SW - Textbox with Arrow
Page Index: 26
Date: 5/12/2022 10:46:51 AM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

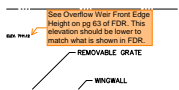
Refer to Step #9 on the EDB tab of the UD-BMP spreadsheet for when to use well screens vs bar grates. Generally, use bar grates for orifices >1-3/16" in largest length or diameter.

For this site, using a screen in front of an orifice plate with such large orifice, you are causing more blockage and maintenance issues than necessary. Also, more open area is likely needed to not restrict flows through orifices.



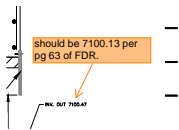
Subject: SW - Textbox with Arrow
Page Index: 26
Date: 5/12/2022 10:55:08 AM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

According to pg 63 of FDR, the area should be 4.69 sq in.



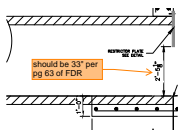
Subject: SW - Textbox with Arrow
Page Index: 26
Date: 5/12/2022 10:58:03 AM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

See Overflow Weir Front Edge Height on pg 63 of FDR. This elevation should be lower to match what is shown in FDR.



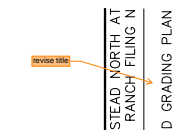
Subject: SW - Textbox with Arrow
Page Index: 26
Date: 5/12/2022 11:02:08 AM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

should be 7100.13 per pg 63 of FDR.



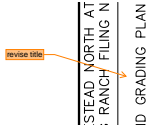
Subject: SW - Textbox with Arrow
Page Index: 26
Date: 5/12/2022 12:53:07 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

should be 33" per pg 63 of FDR



Subject: SW - Textbox with Arrow
Page Index: 26
Date: 5/12/2022 12:53:33 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

revise title



Subject: SW - Textbox with Arrow
Page Index: 27
Date: 5/12/2022 12:53:36 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

revise title



Subject: Text Box
Page Index: 29
Date: 5/19/2022 2:42:00 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [14] 14 DT01 - DT01

Provide Type D Inlet details