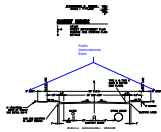


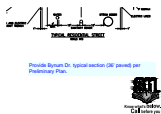
ENG-SF20015-R1-CDs.pdf Markup Summary

1 (7)



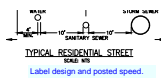
Subject: Callout
Page Index: 1
Date: 7/31/2020 10:28:13 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] 1 Cover Sheet

Public Improvements Esmt



Subject: Text Box
Page Index: 1
Date: 7/31/2020 11:53:44 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] 1 Cover Sheet

Provide Bynum Dr. typical section (36' paved) per Preliminary Plan.



Subject: Text Box
Page Index: 1
Date: 7/31/2020 12:02:19 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] 1 Cover Sheet

Label design and posted speed.

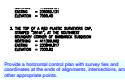
[See comment letter also.](#)

Subject: Text Box
Page Index: 1
Date: 7/31/2020 12:20:16 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] 1 Cover Sheet

See comment letter also.



Subject: EPC ENG Review
Page Index: 1
Date: 7/31/2020 12:20:22 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] 1 Cover Sheet



Subject: Text Box
Page Index: 1
Date: 7/31/2020 12:24:40 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: Callout
Page Index: 1
Date: 7/31/2020 2:36:13 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] 1 Cover Sheet

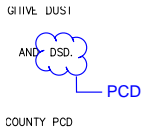
Provide contacts for all gas mains and City Stormwater and Traffic

2 (3)



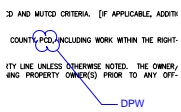
Subject: Cloud+
Page Index: 2
Date: 7/31/2020 10:29:58 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [2] 2 SI01 - SI01

DPW



Subject: Cloud+
Page Index: 2
Date: 7/31/2020 10:30:47 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [2] 2 SI01 - SI01

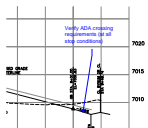
PCD



Subject: Cloud+
Page Index: 2
Date: 7/31/2020 10:32:02 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [2] 2 SI01 - SI01

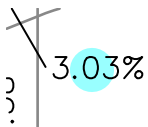
DPW

3 (8)



Subject: Callout
Page Index: 3
Date: 7/31/2020 10:34:20 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [3] 3 SI02 - SI02

Verify ADA crossing requirements (at all stop conditions)



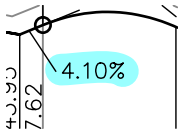
Subject:
Page Index: 3
Date: 7/31/2020 10:36:22 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [3] 3 SI02 - SI02

SIA: 0+75.0
EL: =7039.6
K=4.26
50.00' VC

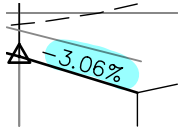
Subject:
Page Index: 3
Date: 7/31/2020 10:36:26 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [3] 3 SI02 - SI02

SIA: 0+75.0
EL: =7038.89
K=4.13
50.00' VC

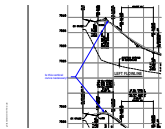
Subject:
Page Index: 3
Date: 7/31/2020 10:36:53 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [3] 3 SI02 - SI02



Subject:
Page Index: 3
Date: 7/31/2020 10:36:58 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [3] 3 SI02 - SI02

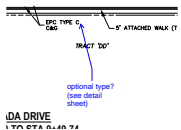


Subject:
Page Index: 3
Date: 7/31/2020 10:37:07 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [3] 3 SI02 - SI02



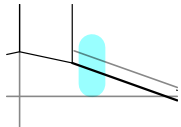
Subject: Callout
Page Index: 3
Date: 7/31/2020 10:38:26 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [3] 3 SI02 - SI02

Is this vertical curve necessary?

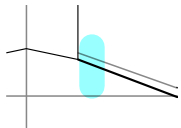


Subject: Callout
Page Index: 3
Date: 7/31/2020 12:06:36 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [3] 3 SI02 - SI02

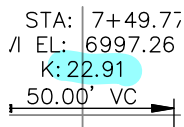
optional type? (see detail sheet)



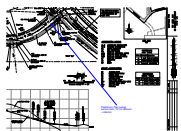
Subject:
Page Index: 5
Date: 7/31/2020 10:41:48 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [5] 5 SI04 - SI04



Subject:
Page Index: 5
Date: 7/31/2020 10:41:51 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [5] 5 SI04 - SI04

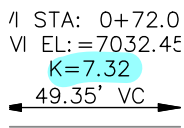


Subject:
Page Index: 5
Date: 7/31/2020 10:59:08 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [5] 5 SI04 - SI04

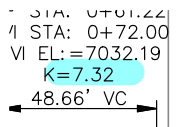


Subject: Callout
Page Index: 5
Date: 7/31/2020 11:52:56 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [5] 5 SI04 - SI04

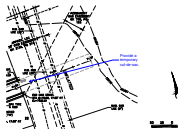
Preliminary Plan typical section here ("D") is different - collector.



Subject:
Page Index: 6
Date: 7/31/2020 10:58:26 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [6] 6 SI05 - SI05



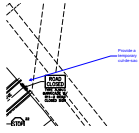
Subject:
Page Index: 6
Date: 7/31/2020 10:58:30 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [6] 6 SI05 - SI05



Subject: Callout
Page Index: 6
Date: 7/31/2020 11:33:47 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [6] 6 SI05 - SI05

Provide a temporary cul-de-sac.

7 (1)



Subject: Callout
Page Index: 7
Date: 7/31/2020 11:32:34 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [7] 7 SI07 - SI07

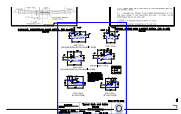
Provide a temporary cul-de-sac

8 (3)

Verify compliance with new ADA details

Subject: Text Box
Page Index: 8
Date: 7/31/2020 11:00:41 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Verify compliance with new ADA details



Subject: Snapshot
Page Index: 8
Date: 7/31/2020 12:04:46 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

TYPICAL CROSS-FAN LAYOUT DETAIL (CD 2-24)

This is the recommended/preferred ramp curb type

Subject: Callout
Page Index: 8
Date: 7/31/2020 12:05:36 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

This is the recommended/preferred ramp curb type.


9 (2)

See street improvement plan redlines.

Subject: Text Box
Page Index: 9
Date: 7/31/2020 12:21:52 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

See street improvement plan redlines.




Subject:
Page Index: 9
Date: 7/31/2020 12:21:58 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [8] 8 DT01 - SI01


10 (2)

Y DOT IN



Subject:
Page Index: 10
Date: 7/31/2020 12:26:00 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [8] 8 DT01 - SI01




Subject: Callout
Page Index: 10
Date: 7/31/2020 12:28:45 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

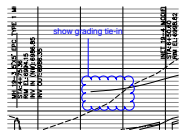
label sheet numbers


11 (4)

Public

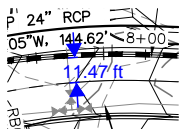
Subject: Text Box
Page Index: 11
Date: 7/31/2020 1:23:47 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [8] 8 DT01 - SI01


Public



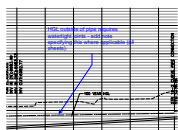
Subject: Cloud+
Page Index: 11
Date: 7/31/2020 12:36:41 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

show grading tie-in



Subject: Length Measurement
Page Index: 11
Date: 7/31/2020 12:39:22 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

11.47 ft



Subject: Callout
Page Index: 11
Date: 7/31/2020 2:13:38 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

HGL outside of pipe requires watertight joints - add note specifying this where applicable (all sheets).

12 (1)

Label all as Public (EPC) or Private (SRMD)

Subject: Text Box
Page Index: 12
Date: 7/31/2020 1:24:22 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

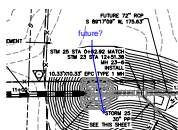
Label all as Public (EPC) or Private (SRMD)

13 (4)

30.00 |
SRMD

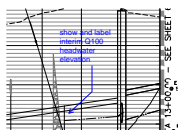
Subject: Text Box
Page Index: 13
Date: 7/31/2020 1:21:28 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

SRMD



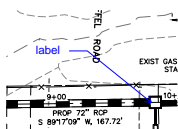
Subject: Callout
Page Index: 13
Date: 7/31/2020 1:23:22 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

future?



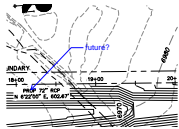
Subject: Callout
Page Index: 13
Date: 7/31/2020 12:42:25 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

show and label interim Q100 headwater elevation



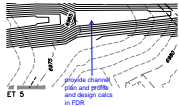
Subject: Callout
Page Index: 13
Date: 7/31/2020 12:45:45 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

label



Subject: Callout
Page Index: 14
Date: 7/31/2020 1:09:18 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

future?



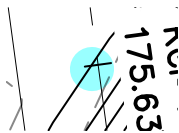
Subject: Callout
Page Index: 14
Date: 7/31/2020 1:09:54 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

provide channel plan and profile and design calcs in FDR

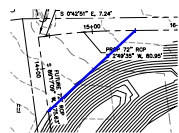


Subject: Callout
Page Index: 14
Date: 7/31/2020 1:11:03 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Recommend providing 2 bends



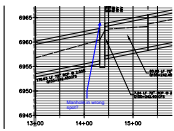
Subject:
Page Index: 14
Date: 7/31/2020 1:11:10 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01



Subject: Line
Page Index: 14
Date: 7/31/2020 1:12:11 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

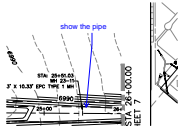


Subject:
Page Index: 14
Date: 7/31/2020 1:12:17 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01



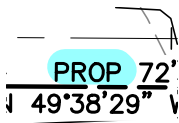
Subject: Callout
Page Index: 14
Date: 7/31/2020 1:13:11 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Manhole in wrong spot?



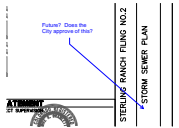
Subject: Callout
Page Index: 14
Date: 7/31/2020 1:13:51 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

show the pipe

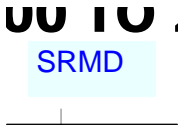


Subject:
Page Index: 14
Date: 7/31/2020 1:14:03 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Future? Does the City approve of this?



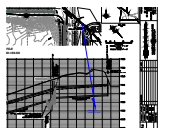
Subject: Callout
Page Index: 14
Date: 7/31/2020 1:14:48 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01



Subject: Text Box
Page Index: 14
Date: 7/31/2020 1:21:16 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

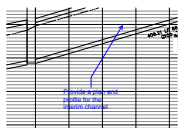
SRMD

15 (4)



Subject: Callout
Page Index: 15
Date: 7/31/2020 1:01:54 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Add inlet for overflow to enter



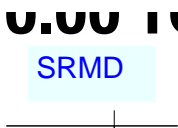
Subject: Callout
Page Index: 15
Date: 7/31/2020 1:07:04 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Provide a plan and profile for the interim channel



Subject: Callout
Page Index: 15
Date: 7/31/2020 1:07:43 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

call out drops and stabilization or reference GEC Plan



Subject: Text Box
Page Index: 15
Date: 7/31/2020 1:20:59 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

SRMD

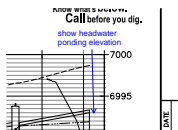
16 (1)



Subject: Text Box
Page Index: 16
Date: 7/31/2020 1:20:45 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

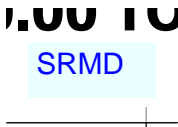
Label all as Public (EPC) or Private (SRMD)

17 (4)



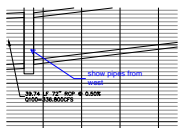
Subject: Callout
Page Index: 17
Date: 7/31/2020 1:04:01 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

show headwater ponding elevation



Subject: Text Box
Page Index: 17
Date: 7/31/2020 1:19:33 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

SRMD



Subject: Callout
Page Index: 17
Date: 7/31/2020 2:15:18 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

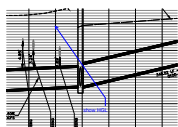
show pipes from west



Subject: Cloud+
Page Index: 17
Date: 7/31/2020 2:32:04 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

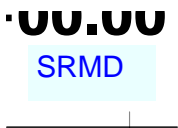
lessen the angle of confluence

18 (2)



Subject: Callout
Page Index: 18
Date: 7/31/2020 1:17:53 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

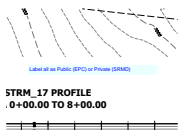
show HGL



Subject: Text Box
Page Index: 18
Date: 7/31/2020 1:19:02 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

SRMD

19 (1)



Subject: Text Box
Page Index: 19
Date: 7/31/2020 1:25:04 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Label all as Public (EPC) or Private (SRMD)

20 (1)



Subject: Text Box
Page Index: 20
Date: 7/31/2020 1:26:07 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Label all as Public (EPC) or Private (SRMD)

21 (1)



Subject: Callout
Page Index: 21
Date: 7/31/2020 1:40:40 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

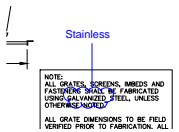
provide hatching like on the other access road to the east

23 (4)



Subject: Text Box
Page Index: 23
Date: 7/31/2020 1:43:11 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

See pond modeling comments re: soil types; verify design

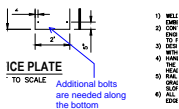


Subject: Cloud+
Page Index: 23
Date: 7/31/2020 2:11:01 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Stainless



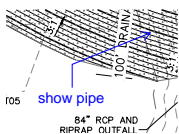
Subject: Highlight
Page Index: 23
Date: 7/31/2020 2:11:05 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01



Subject: Callout
Page Index: 23
Date: 7/31/2020 2:11:40 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

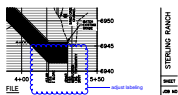
Additional bolts are needed along the bottom

25 (5)



Subject: Callout
Page Index: 25
Date: 7/31/2020 1:49:16 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

show pipe



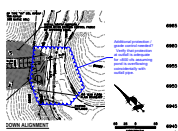
Subject: Cloud+
Page Index: 25
Date: 7/31/2020 1:51:01 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

adjust labeling



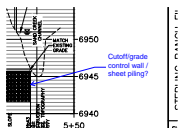
Subject: Callout
Page Index: 25
Date: 7/31/2020 1:53:53 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

See other comments about downstream channel protection design for the previously unseen flows.



Subject: Cloud+
Page Index: 25
Date: 7/31/2020 1:56:47 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

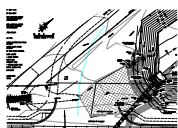
Additional protection / grade control needed?
 Verify that protection at outfall is adequate for >800 cfs assuming pond is overflowing coincidentally with outfall pipe.



Subject: Callout
Page Index: 25
Date: 7/31/2020 1:57:31 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

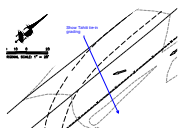
Cutoff/grade control wall / sheet piling?

26 (8)

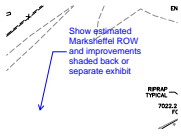


Subject:
Page Index: 26
Date: 7/31/2020 1:59:03 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Show Tahiti tie-in grading

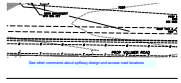


Subject: Callout
Page Index: 26
Date: 7/31/2020 1:59:27 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01



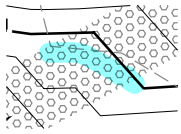
Subject: Callout
Page Index: 26
Date: 7/31/2020 2:00:33 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Show estimated Marksheffel ROW and improvements shaded back or separate exhibit

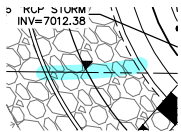


Subject: Text Box
Page Index: 26
Date: 7/31/2020 2:01:28 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

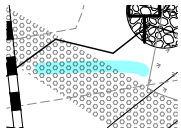
See other comments about spillway design and access road locations



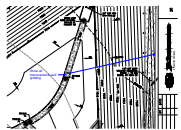
Subject:
Page Index: 26
Date: 7/31/2020 2:01:59 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01



Subject:
Page Index: 26
Date: 7/31/2020 2:02:01 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01



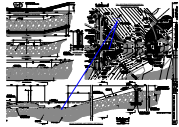
Subject:
Page Index: 26
Date: 7/31/2020 2:02:04 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01



Subject: Callout
Page Index: 26
Date: 7/31/2020 2:03:14 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Show all improvements and grading

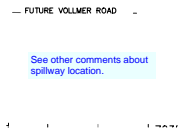
27 (1)



Subject: Callout
Page Index: 27
Date: 7/31/2020 2:06:20 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

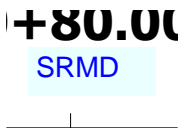
concrete forebay is recommended

28 (2)



Subject: Text Box
Page Index: 28
Date: 7/31/2020 2:07:21 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

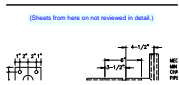
See other comments about spillway location.



Subject: Text Box
Page Index: 28
Date: 7/31/2020 2:07:33 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

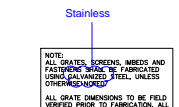
SRMD

29 (4)



Subject: Text Box
Page Index: 29
Date: 7/31/2020 2:08:54 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

(Sheets from here on not reviewed in detail.)

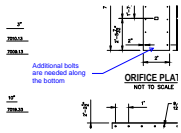


Subject: Cloud+
Page Index: 29
Date: 7/31/2020 2:10:09 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Stainless



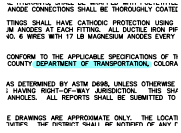
Subject: Highlight
Page Index: 29
Date: 7/31/2020 2:10:15 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01



Subject: Callout
Page Index: 29
Date: 7/31/2020 2:12:14 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

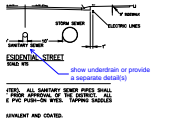
Additional bolts are needed along the bottom

32 (2)



Subject:
Page Index: 32
Date: 7/31/2020 2:34:12 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

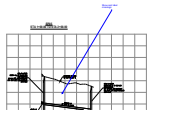
show underdrain or provide a separate detail(s)



Subject: Callout
Page Index: 32
Date: 7/31/2020 2:38:36 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

show underdrain or provide a separate detail(s)

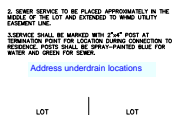
36 (1)



Subject: Callout
Page Index: 36
Date: 7/31/2020 2:41:30 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

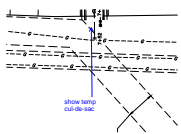
Show and label crossings

37 (2)



Subject: Text Box
Page Index: 37
Date: 7/31/2020 2:42:07 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Address underdrain locations



Subject: Callout
Page Index: 37
Date: 7/31/2020 2:42:47 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

show temp cul-de-sac



Subject: Callout
Page Index: 41
Date: 7/31/2020 2:45:15 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [8] 8 DT01 - SI01

Is sleeve / encasement required?