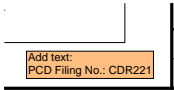# ENGR-CDR22001-R1-CDs.pdf Markup Summary
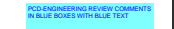
1 (5)

Subject: SW - Textbox
Page Label: 1
Author: Glenn Reese - EPC Stormwater
Date: 2/7/2022 11:25:26 AM
Status:
Color: ■
Layer:
Space:
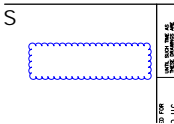
Add text:
PCD Filing No.: CDR221

Subject: Stamp - Stormwater Comment Legend
Page Label: 1
Author: Glenn Reese - EPC Stormwater
Date: 2/7/2022 12:41:21 PM
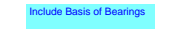**Status:**
Color: ■
Layer:
Space:

Subject: Text Box
Page Label: 1
Author: CDurham
Date: 2/9/2022 1:59:15 PM
Status:
Color: ■
Layer:
Space:

PCD-ENGINEERING REVIEW COMMENTS IN BLUE BOXES WITH BLUE TEXT

Subject: Cloud
Page Label: 1
Author: CDurham
Date: 2/9/2022 1:59:24 PM
Status:
Color: ■
Layer:
Space:

Subject: Text Box
Page Label: 1
Author: CDurham
Date: 2/9/2022 3:29:47 PM
Status:
Color: ■
Layer:
Space:

Include Basis of Bearings

2 (3)

Subject: Highlight
Page Label: 2
Author: CDurham
Date: 2/10/2022 10:42:45 AM
Status:
Color: ■
Layer:
Space:

Subject: Callout
Page Label: 2
Author: CDurham
Date: 2/10/2022 10:42:59 AM
Status:
Color: ◼
Layer:
Space:

Dept Public Works (DPW)

Subject: Text Box
Page Label: 2
Author: CDurham
Date: 2/10/2022 9:28:59 AM
Status:
Color: ◼
Layer:
Space:

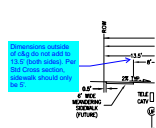Add plowable median nose & patterned concrete median paving details
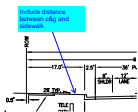
---

3 (6)

Subject: Text Box
Page Label: 3
Author: CDurham
Date: 2/10/2022 10:57:59 AM
Status:
Color: ◼
Layer:
Space:

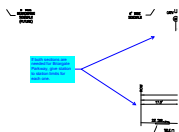Include drawing legend for symbols, abbreviations and linetypes used.

Subject: Callout
Page Label: 3
Author: CDurham
Date: 2/10/2022 9:04:43 AM
Status:
Color: ◼
Layer:
Space:

Dimensions outside of c&g do not add to 13.5' (both sides). Per Std Cross section, sidewalk should only be 5'.

Subject: Callout
Page Label: 3
Author: CDurham
Date: 2/10/2022 9:07:11 AM
Status:
Color: ◼
Layer:
Space:

Include distance between c&g and sidewalk

Subject: Callout
Page Label: 3
Author: CDurham
Date: 2/10/2022 9:15:12 AM
Status:
Color: ◼
Layer:
Space:

If both sections are needed for Briargate Parkway, give station to station limits for each one.

Subject: Text Box
Page Label: 3
Author: CDurham
Date: 2/10/2022 9:24:19 AM
Status:
Color: ■
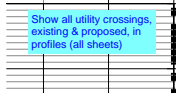**Layer:**
Space:

There is an area of Briargate Parkway which has 142' ROW, please include typical section for the portion of road.

Subject: Callout
Page Label: 3
Author: CDurham
Date: 2/9/2022 3:25:03 PM
Status:
Color: ■
Layer:
Space:

Sheet total

---

4 (23)

Subject: Text Box
Page Label: 4
Author: CDurham
Date: 2/10/2022 10:05:49 AM
Status:
Color: ■
Layer:
Space:

Show all utility crossings, existing & proposed, in profiles (all sheets)

Subject: Text Box
Page Label: 4
Author: CDurham
Date: 2/10/2022 11:00:09 AM
Status:
Color: ■
Layer:
Space:

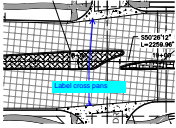Profiles will be needed for all curb returns.

Subject: Text Box
Page Label: 4
Author: CDurham
Date: 2/10/2022 11:01:30 AM
Status:
Color: ■
Layer:
Space:

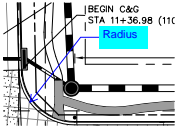Include sheets for median details/design

---

Subject: Callout
Page Label: 4
Author: CDurham
Date: 2/10/2022 11:11:51 AM
Status:
Color: ■
Layer:
Space:

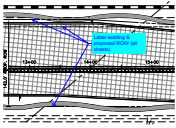Per TIS report, this should be a full movement intersection

Subject: Callout
Page Label: 4
Author: CDurham
Date: 2/10/2022 11:11:55 AM
Status:
Color: ■
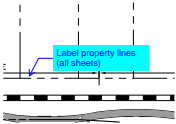**Layer:**
Space:

Label cross pans

Subject: Callout
Page Label: 4
Author: CDurham
Date: 2/10/2022 11:27:02 AM
Status:
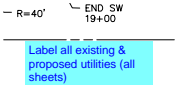**Color:** ■
Layer:
Space:

Radius

Subject: Callout
Page Label: 4
Author: CDurham
Date: 2/10/2022 11:29:14 AM
Status:
Color: ■
Layer:
Space:
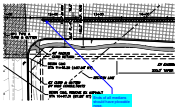
Label existing & proposed ROW (all sheets)

Subject: Callout
Page Label: 4
Author: CDurham
Date: 2/10/2022 11:29:40 AM
Status:
Color: ■
Layer:
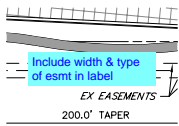**Space:**

Label property lines (all sheets)

Subject: Text Box
Page Label: 4
Author: CDurham
Date: 2/10/2022 11:30:37 AM
Status:
Color: ■
Layer:
Space:

Label all existing & proposed utilities (all sheets)

Subject: Callout
Page Label: 4
Author: CDurham
Date: 2/10/2022 12:41:09 PM
Status:
Color: ■
Layer:
Space:

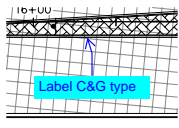Ends of all medians should have plowable nose.

Subject: Text Box
Page Label: 4
Author: CDurham
Date: 2/10/2022 9:24:54 AM
Status:
Color: ■
Layer:
Space:

Include width & type of esmt in label

Subject: Text Box
Page Label: 4
Author: CDurham
Date: 2/10/2022 9:25:56 AM
Status:
Color: ■
Layer:
Space:

Include type of esmt in label

Subject: Callout
Page Label: 4
Author: CDurham
Date: 2/10/2022 9:26:16 AM
Status:
Color: ■
Layer:
Space:

Label C&G type

Subject: Text Box
Page Label: 4
Author: CDurham
Date: 2/10/2022 9:27:46 AM
Status:
Color: ■
Layer:
Space:
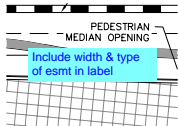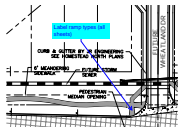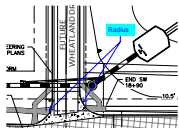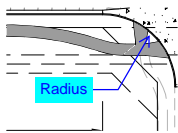
Include width & type of esmt in label

Subject: Callout
Page Label: 4
Author: CDurham
Date: 2/10/2022 9:29:55 AM
Status:
Color: ■
Layer:
Space:

Label ramp types (all sheets)

Subject: Callout
Page Label: 4
Author: CDurham
Date: 2/10/2022 9:30:30 AM
Status:
Color: ■
Layer:
Space:

Radius

Subject: Callout
Page Label: 4
Author: CDurham
Date: 2/10/2022 9:30:42 AM
Status:
Color: ■
Layer:
Space:

Radius

Subject: Text Box
Page Label: 4
Author: CDurham
Date: 2/10/2022 9:43:02 AM
Status:
Color: ■
Layer:
Space:

Label adjacent subdivisions (all sheets) & include lot #'s.

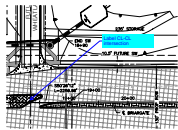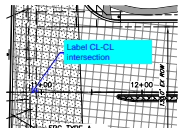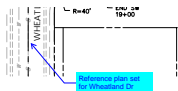**Subject:** Callout
Page Label: 4
Author: CDurham
Date: 2/10/2022 9:44:35 AM
Status:
Color: ■
Layer:
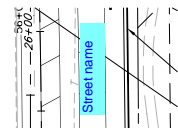**Space:**

Label CL-CL intersection

Subject: Callout
Page Label: 4
Author: CDurham
Date: 2/10/2022 9:44:46 AM
Status:
Color: ■
Layer:
Space:
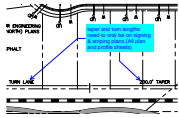
Label CL-CL intersection

Subject: Callout
Page Label: 4
Author: CDurham
Date: 2/10/2022 9:46:14 AM
Status:
Color: ■
Layer:
Space:

Reference plan set for Wheatland Dr

Subject: Text Box
Page Label: 4
Author: CDurham
Date: 2/8/2022 3:37:16 PM
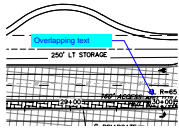**Status:**
Color: ■
Layer:
Space:

Street name

Subject: Callout
Page Label: 4
Author: CDurham
Date: 2/8/2022 3:41:05 PM
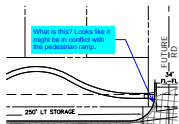**Status:**
Color: ■
Layer:
Space:

taper and turn lengths need to only be on signing & striping plans (All plan and profile sheets)
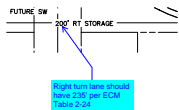
---

5 (17)

Subject: Callout
Page Label: 5
Author: CDurham
Date: 2/10/2022 11:18:55 AM
Status:
Color: ■
Layer:
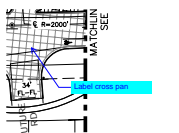**Space:**

Overlapping text

Subject: Callout
Page Label: 5
Author: CDurham
Date: 2/10/2022 11:18:57 AM
Status:
Color: ■
Layer:
Space:

What is this? Looks like it might be in conflict with the pedestrian ramp.
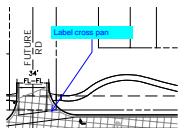

Subject: Callout
Page Label: 5
Author: CDurham
Date: 2/10/2022 11:20:33 AM
Status:
Color: ■
Layer:
Space:

Right turn lane should have 235' per ECM Table 2-24

Subject: Callout
Page Label: 5
Author: CDurham
Date: 2/10/2022 11:30:55 AM
Status:
Color: ■
Layer:
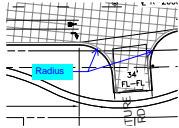**Space:**

Label cross pan

Subject: Callout
Page Label: 5
Author: CDurham
Date: 2/10/2022 11:31:06 AM
Status:
Color: ■
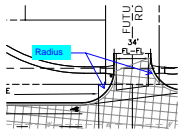**Layer:**
Space:

Label cross pan

Subject: Text Box
Page Label: 5
Author: CDurham
Date: 2/10/2022 11:31:48 AM
Status:
Color: ■
Layer:
Space:

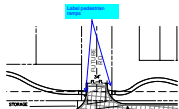Label property lines, ROW, all easements. Include lot #'s

---

Subject: Callout
Page Label: 5
Author: CDurham
Date: 2/10/2022 11:32:10 AM
Status:
Color: ■
Layer:
Space:

Radius

Subject: Callout
Page Label: 5
Author: CDurham
Date: 2/10/2022 11:32:25 AM
Status:
Color: ■
Layer:
Space:

Radius

Subject: Callout
Page Label: 5
Author: CDurham
Date: 2/10/2022 11:32:46 AM
Status:
Color: ■
Layer:
Space:

Label pedestrian ramps

Subject: Callout
Page Label: 5
Author: CDurham
Date: 2/10/2022 11:36:12 AM
Status:
Color: ■
Layer:
Space:

CL Curve information needs to include Length, delta and chord bearing

---

Subject: Callout
Page Label: 5
Author: CDurham
Date: 2/10/2022 11:37:19 AM
Status:
Color: ■
Layer:
Space:

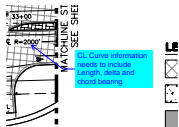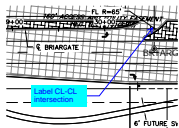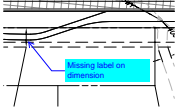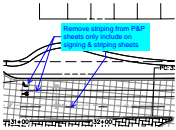Label CL-CL intersection

Subject: Callout
Page Label: 5
Author: CDurham
Date: 2/10/2022 11:37:32 AM
Status:
Color: ■
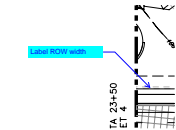**Layer:**
Space:

Label CL-CL intersection

Subject: Callout
Page Label: 5
Author: CDurham
Date: 2/10/2022 9:18:51 AM
Status:
Color: ■
Layer:
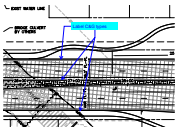**Space:**

Missing label on dimension

Subject: Callout
Page Label: 5
Author: CDurham
Date: 2/10/2022 9:20:15 AM
Status:
Color: ■
Layer:
Space:

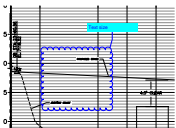Remove striping from P&P sheets only include on signing & striping sheets

Subject: Callout
Page Label: 5
Author: CDurham
Date: 2/10/2022 9:20:35 AM
Status:
Color: ■
Layer:
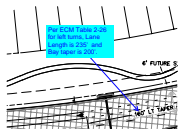**Space:**

Label ROW width

Subject: Callout
Page Label: 5
Author: CDurham
Date: 2/10/2022 9:22:20 AM
Status:
Color: ■
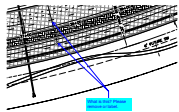**Layer:**
Space:

Label C&G types

Subject: Cloud+
Page Label: 5
Author: CDurham
Date: 2/10/2022 9:31:37 AM
Status:
Color: ■
Layer:
Space:

Text size

Subject: Callout
Page Label: 6
Author: CDurham
Date: 2/10/2022 11:24:36 AM
Status:
Color: ■
Layer:
Space:

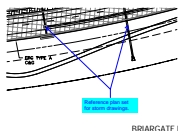Per ECM Table 2-26 for left turns, Lane Length is 235' and Bay taper is 200'.

Subject: Callout
Page Label: 6
Author: CDurham
Date: 2/10/2022 11:26:05 AM
Status:
Color: ■
Layer:
Space:

What is this? Please remove or label.

Subject: Text Box
Page Label: 6
Author: CDurham
Date: 2/10/2022 11:33:20 AM
Status:
Color: ■
Layer:
Space:

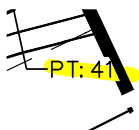Label property lines, ROW, all easements. Include lot #'s

---

Subject: Callout
Page Label: 6
Author: CDurham
Date: 2/10/2022 11:33:50 AM
Status:
Color: ■
Layer:
Space:

Reference plan set for storm drawings.

Subject: Text Box
Page Label: 6
Author: CDurham
Date: 2/10/2022 11:34:40 AM
Status:
Color: ■
Layer:
Space:

Label all c&g's.

Subject: Highlight
Page Label: 6
Author: CDurham
Date: 2/10/2022 11:36:31 AM
Status:
Color: ▢
Layer:
Space:
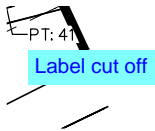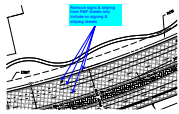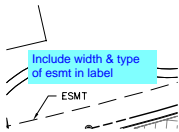
Subject: Text Box
Page Label: 6
Author: CDurham
Date: 2/10/2022 11:36:44 AM
Status:
Color: ■
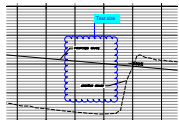**Layer:**
Space:

Label cut off

Subject: Callout
Page Label: 6
Author: CDurham
Date: 2/10/2022 9:21:36 AM
Status:
Color: ■
Layer:
Space:

Remove signs & striping from P&P sheets only include on signing & striping sheets

---

Subject: Text Box
Page Label: 6
Author: CDurham
Date: 2/10/2022 9:22:55 AM
Status:
Color: ■
Layer:
Space:

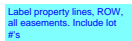Include width & type of esmt in label

---

Subject: Cloud+
Page Label: 6
Author: CDurham
Date: 2/10/2022 9:32:29 AM
Status:
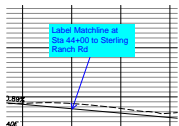**Color:** ■
Layer:
Space:

Text size

---

7 (3)
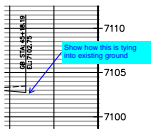

Subject: Text Box
Page Label: 7
Author: CDurham
Date: 2/10/2022 11:35:17 AM
Status:
Color: ■
Layer:
Space:

Label property lines, ROW, all easements. Include lot #'s

Subject: Callout
Page Label: 7
Author: CDurham
Date: 2/10/2022 9:33:52 AM
Status:
Color: ■
Layer:
Space:

Label Matchline at Sta 44+00 to Sterling Ranch Rd

Subject: Callout
Page Label: 7
Author: CDurham
Date: 2/10/2022 9:34:20 AM
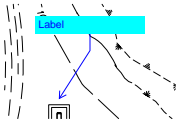**Status:**
Color: ■
Layer:
Space:

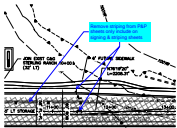Show how this is tying into existing ground

8 (10)

Subject: Text Box
Page Label: 8
Author: CDurham
Date: 2/10/2022 11:39:04 AM
Status:
Color: ■
Layer:
Space:

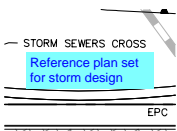Label adjacent subdivisions (all sheets) & include lot #'s.

Subject: Callout
Page Label: 8
Author: CDurham
Date: 2/10/2022 11:39:17 AM
Status:
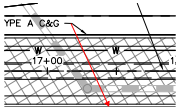**Color:** ■
Layer:
Space:

Label

Subject: Callout
Page Label: 8
Author: CDurham
Date: 2/10/2022 11:39:59 AM
Status:
Color: ■
Layer:
Space:

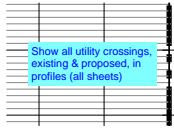Remove striping from P&P sheets only include on signing & striping sheets

Subject: Text Box
Page Label: 8
Author: CDurham
Date: 2/10/2022 11:40:27 AM
Status:
Color: ■
Layer:
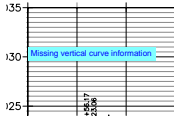**Space:**

Reference plan set for storm design

Subject: Arrow
Page Label: 8
Author: CDurham
Date: 2/10/2022 11:40:38 AM
Status:
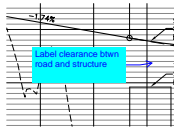**Color:** ■
Layer:
Space:

Subject: Text Box
Page Label: 8
Author: CDurham
Date: 2/10/2022 11:40:59 AM
Status:
Color: ■
Layer:
Space:

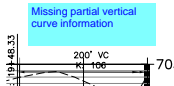Show all utility crossings, existing & proposed, in profiles (all sheets)

Subject: Text Box
Page Label: 8
Author: CDurham
Date: 2/10/2022 9:34:57 AM
Status:
Color: ■
Layer:
Space:
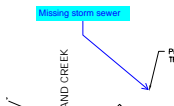
Missing vertical curve information

Subject: Callout
Page Label: 8
Author: CDurham
Date: 2/10/2022 9:35:46 AM
Status:
Color: ■
Layer:
Space:

Label clearance btwn road and structure

Subject: Text Box
Page Label: 8
Author: CDurham
Date: 2/10/2022 9:36:46 AM
Status:
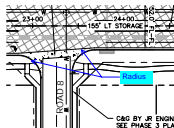**Color:** ■
Layer:
Space:

Missing partial vertical curve information

Subject: Callout
Page Label: 8
Author: CDurham
Date: 2/8/2022 3:38:34 PM
Status:
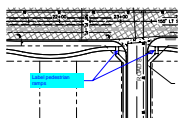**Color:** ■
Layer:
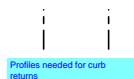**Space:**

Missing storm sewer

9 (7)

Subject: Callout
Page Label: 9
Author: CDurham
Date: 2/10/2022 11:43:14 AM
Status:
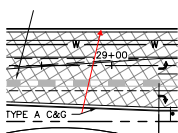**Color:** ■
Layer:
Space:

Radius

Subject: Callout
Page Label: 9
Author: CDurham
Date: 2/10/2022 11:43:28 AM
Status:
Color: ■
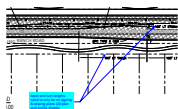**Layer:**
Space:

Label pedestrian ramps

Subject: Text Box
Page Label: 9
Author: CDurham
Date: 2/10/2022 11:43:44 AM
Status:
Color: ■
Layer:
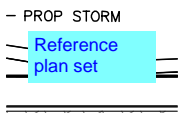**Space:**

Profiles needed for curb returns

Subject: Arrow
Page Label: 9
Author: CDurham
Date: 2/10/2022 11:44:01 AM
Status:
Color: ■
Layer:
Space:

Subject: Callout
Page Label: 9
Author: CDurham
Date: 2/10/2022 11:44:38 AM
Status:
Color: ■
Layer:
Space:

taper and turn lengths need to only be on signing & striping plans (All plan and profile sheets)

Subject: Text Box
Page Label: 9
Author: CDurham
Date: 2/10/2022 11:45:02 AM
Status:
Color: ■
Layer:
Space:

Reference plan set

Subject: Callout
Page Label: 9
Author: CDurham
Date: 2/10/2022 11:45:25 AM
Status:
Color: ■
Layer:
Space:

Label CL-CL intersection
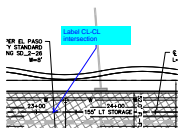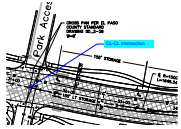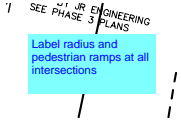
Subject: Callout
Page Label: 10
Author: CDurham
Date: 2/10/2022 11:45:41 AM
Status:
Color: ■
Layer:
Space:

CL-CL intersection

Subject: Text Box
Page Label: 10
Author: CDurham
Date: 2/10/2022 11:46:16 AM
Status:
Color: ■
Layer:
Space:

Label radius and pedestrian ramps at all intersections

Subject: Text Box
Page Label: 10
Author: CDurham
Date: 2/10/2022 11:46:33 AM
Status:
Color: ■
Layer:
Space:

Profiles needed for all curb returns

Subject: Callout
Page Label: 10
Author: CDurham
Date: 2/10/2022 11:46:46 AM
Status:
Color: ■
Layer:
Space:

CL-CL intersection

Subject: Callout
Page Label: 10
Author: CDurham
Date: 2/10/2022 11:47:16 AM
Status:
Color: ■
Layer:
Space:

Include delta and chord bearing for CL curve

Subject: Arrow
Page Label: 10
Author: CDurham
Date: 2/10/2022 11:47:41 AM
Status:
Color: ■
Layer:
Space:

Subject: Callout
Page Label: 11
Author: CDurham
Date: 2/10/2022 11:48:19 AM
Status:
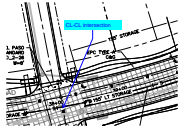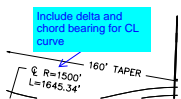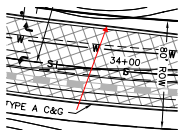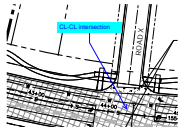**Color:** ■
Layer:
Space:

CL-CL intersection

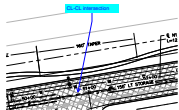--

Subject: Text Box
Page Label: 11
Author: CDurham
Date: 2/10/2022 11:48:22 AM
Status:
Color: ■
Layer:
Space:

Label radius and pedestrian ramps at all intersections

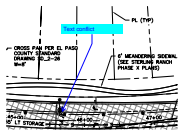--

Subject: Text Box
Page Label: 11
Author: CDurham
Date: 2/10/2022 11:48:25 AM
Status:
Color: ■
Layer:
Space:

Profiles needed for all curb returns

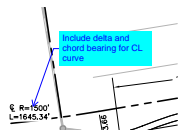
Subject: Callout
Page Label: 11
Author: CDurham
Date: 2/10/2022 11:48:44 AM
Status:
Color: ■
Layer:
Space:

CL-CL intersection

Subject: Callout
Page Label: 11
Author: CDurham
Date: 2/10/2022 11:57:57 AM
Status:
Color: ■
Layer:
Space:

Text conflict

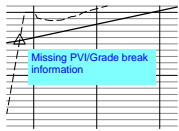
Subject: Callout
Page Label: 11
Author: CDurham
Date: 2/10/2022 11:58:11 AM
Status:
Color: ■
Layer:
Space:

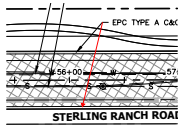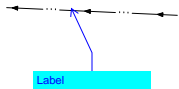Include delta and chord bearing for CL curve

Subject: Text Box
Page Label: 11
Author: CDurham
Date: 2/10/2022 9:37:46 AM
Status:
Color: ■
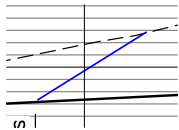**Layer:**
Space:

Missing PVI/Grade break information

---

12 (4)

Subject: Arrow
Page Label: 12
Author: CDurham
Date: 2/10/2022 11:59:30 AM
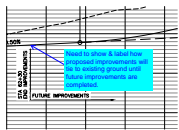**Status:**
Color: ■
Layer:
Space:

Subject: Callout
Page Label: 12
Author: CDurham
Date: 2/10/2022 12:00:02 PM
Status:
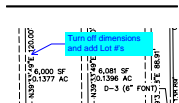**Color:** ■
Layer:
Space:

Label

Subject: Line
Page Label: 12
Author: CDurham
Date: 2/10/2022 9:39:10 AM
Status:
Color: ■
Layer:
Space:

Subject: Callout
Page Label: 12
Author: CDurham
Date: 2/10/2022 9:39:32 AM
Status:
Color: ■
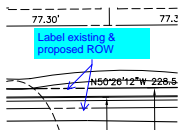**Layer:**
Space:

Need to show & label how proposed improvements will tie to existing ground until future improvements are completed.
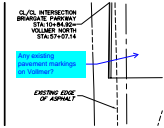
---

13 (10)

Subject: Callout
Page Label: 13
Author: CDurham
Date: 2/10/2022 12:01:37 PM
Status:
Color: ■
Layer:
Space:
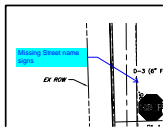
Turn off dimensions and add Lot #'s

Subject: Callout
Page Label: 13
Author: CDurham
Date: 2/10/2022 12:03:18 PM
Status:
Color: ■
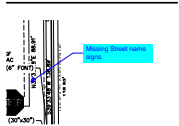**Layer:**
Space:

Label existing & proposed ROW

Subject: Callout
Page Label: 13
Author: CDurham
Date: 2/10/2022 12:10:41 PM
Status:
Color: ■
Layer:
Space:

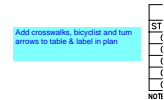Any existing pavement markings on Vollmer?

Subject: Callout
Page Label: 13
Author: CDurham
Date: 2/10/2022 12:17:30 PM
Status:
Color: ■
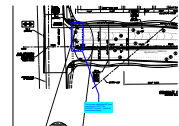**Layer:**
Space:

Missing Street name signs

Subject: Callout
Page Label: 13
Author: CDurham
Date: 2/10/2022 12:17:43 PM
Status:
Color: ■
Layer:
Space:

Missing Street name signs

Subject: Text Box
Page Label: 13
Author: CDurham
Date: 2/10/2022 12:18:42 PM
Status:
Color: ■
Layer:
Space:

Add crosswalks, bicyclist and turn arrows to table & label in plan

Subject: Cloud+
Page Label: 13
Author: CDurham
Date: 2/10/2022 12:21:23 PM
Status:
Color: ■
Layer:
Space:

Turn arrows should be 50' from stop line per CDOT Std M-S-627-1 sheet 5 - Adjust all arrows accordingly

Subject: Callout
Page Label: 13
Author: CDurham
Date: 2/10/2022 3:17:45 PM
Status:
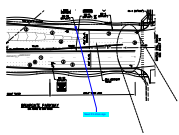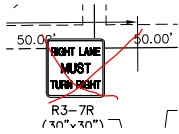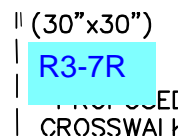**Color:** ■
Layer:
Space:

Need R3-30AA sign

Subject: Pen
Page Label: 13
Author: CDurham
Date: 2/10/2022 3:18:00 PM
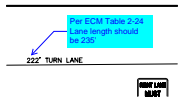**Status:**
Color: ■
Layer:
Space:

x

Subject: Text Box
Page Label: 13
Author: CDurham
Date: 2/10/2022 3:18:35 PM
Status:
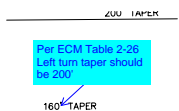**Color:** ■
Layer:
Space:

R3-7R

---

14 (4)

Subject: Callout
Page Label: 14
Author: CDurham
Date: 2/10/2022 12:12:33 PM
Status:
Color: ■
Layer:
Space:

Per ECM Table 2-24 Lane length should be 235'
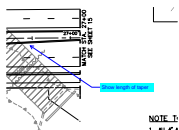

Subject: Callout
Page Label: 14
Author: CDurham
Date: 2/10/2022 12:13:07 PM
Status:
Color: ■
Layer:
Space:

Per ECM Table 2-26 Left turn taper should be 200'

Subject: Callout
Page Label: 14
Author: CDurham
Date: 2/10/2022 12:13:45 PM
Status:
Color: ■
Layer:
Space:

Show length of taper

Subject: Callout
Page Label: 14
Author: CDurham
Date: 2/10/2022 12:16:59 PM
Status:
Color: ■
Layer:
Space:

Stop sign needed at Wheatland? TIS shows full movement at this intersection

15 (2)

Subject: Callout
Page Label: 15
Author: CDurham
Date: 2/10/2022 12:15:43 PM
Status:
Color: ■
Layer:
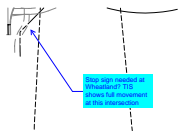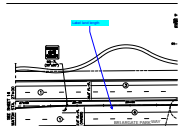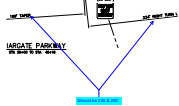**Space:**

Label land length

Subject: Callout
Page Label: 15
Author: CDurham
Date: 2/10/2022 12:16:24 PM
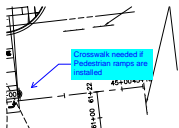**Status:**
Color: ■
Layer:
Space:

Per ECM Table 2-24 Lane length is 235' and taper length is 200'

16 (2)

Subject: Callout
Page Label: 16
Author: CDurham
Date: 2/10/2022 12:24:00 PM
Status:
Color: ■
Layer:
Space:
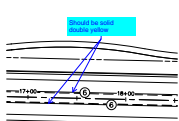
Should be 235 & 200'

Subject: Callout
Page Label: 16
Author: CDurham
Date: 2/10/2022 12:24:30 PM
Status:
Color: ■
Layer:
Space:

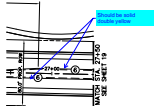Crosswalk needed if Pedestrian ramps are installed

17 (1)

Subject: Callout
Page Label: 17
Author: CDurham
Date: 2/10/2022 12:33:19 PM
Status:
Color: ■
Layer:
Space:

Should be solid double yellow

18 (2)

Subject: Callout
Page Label: 18
Author: CDurham
Date: 2/10/2022 12:34:22 PM
Status:
Color: ■
Layer:
Space:

Should be solid double yellow
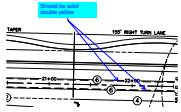

Subject: Callout
Page Label: 18
Author: CDurham
Date: 2/10/2022 12:34:43 PM
Status:
Color: ■
Layer:
Space:

Should be solid double yellow

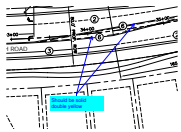## 19 (1)

Subject: Callout
Page Label: 19
Author: CDurham
Date: 2/10/2022 12:36:07 PM
Status:
Color: ■
Layer:
Space:

Should be solid double yellow

20 (2)

Subject: Callout
Page Label: 20
Author: CDurham
Date: 2/10/2022 12:31:00 PM
Status:
Color: ■
Layer:
Space:

Crosswalks

Subject: Callout
Page Label: 20
Author: CDurham
Date: 2/10/2022 12:31:17 PM
Status:
Color: ■
Layer:
Space:

Crosswalks

21 (1)

Subject: Callout
Page Label: 21
Author: CDurham
Date: 2/10/2022 12:37:16 PM
Status:
Color: ■
Layer:
Space:

Per ECM Table 2-26 Taper length should be 160'
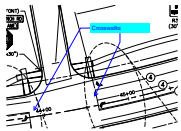
22 (1)

Subject: Callout
Page Label: 22
Author: CDurham
Date: 2/10/2022 12:37:43 PM
Status:
Color: ■
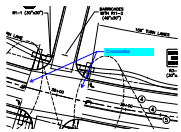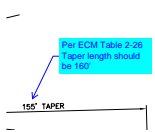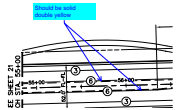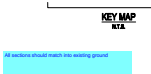**Layer:**
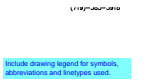**Space:**

Should be solid double yellow

23 (1)

Subject: Text Box
Page Label: 23
Author: CDurham
Date: 2/10/2022 12:38:21 PM
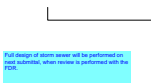**Status:**
Color: ■
Layer:
Space:

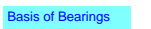All sections should match into existing ground

31 (7)

Subject: Text Box
Page Label: 31
Author: CDurham
Date: 2/10/2022 12:41:27 PM
Status:
Color: ■
Layer:
Space:

Include drawing legend for symbols, abbreviations and linetypes used.

Subject: Text Box
Page Label: 31
Author: CDurham
Date: 2/10/2022 12:42:29 PM
Status:
Color: ■
Layer:
Space:

Full design of storm sewer will be performed on next submittal, when review is performed with the FDR.

Subject: Text Box
Page Label: 31
Author: CDurham
Date: 2/10/2022 3:13:33 PM
Status:
Color: ■
Layer:
Space:

Basis of Bearings

Subject: Callout
Page Label: 31
Author: CDurham
Date: 2/8/2022 1:43:31 PM
Status:
Color: ■
Layer:
Space:

Update sheet total

Subject: Callout
Page Label: 31
Author: CDurham
Date: 2/8/2022 1:44:57 PM
Status:
Color: ■
Layer:
Space:

Update sheet Index

Subject: Callout
Page Label: 31
Author: CDurham
Date: 2/8/2022 3:31:16 PM
Status:
Color: ■
Layer:
Space:

Turn off these labels

Subject: Callout
Page Label: 31
Author: CDurham
Date: 2/8/2022 3:35:15 PM
Status:
Color: ■
Layer:
Space:

Turn on same lots and roads as shown on roadway coversheet

---

33 (19)

Subject: Text Box
Page Label: 33
Author: CDurham
Date: 2/10/2022 12:43:50 PM
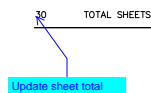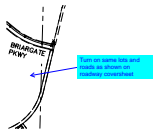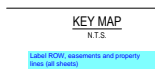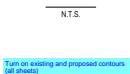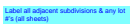**Status:**
Color: ■
Layer:
Space:

Label ROW, easements and property lines (all sheets)

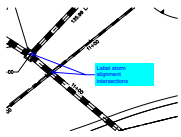**Subject:** Text Box
Page Label: 33
Author: CDurham
Date: 2/10/2022 12:44:21 PM
Status:
Color: ■
Layer:
Space:

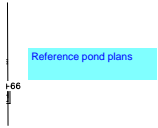Turn on existing and proposed contours (all sheets)

Subject: Text Box
Page Label: 33
Author: CDurham
Date: 2/10/2022 12:45:01 PM
Status:
Color: ■
Layer:
Space:

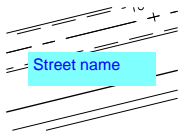Label all adjacent subdivisions & any lot #'s (all sheets)

Subject: Callout
Page Label: 33
Author: CDurham
Date: 2/10/2022 12:47:12 PM
Status:
Color: ■
Layer:
Space:

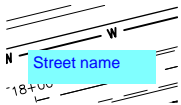Label storm alignment intersections

Subject: Text Box
Page Label: 33
Author: CDurham
Date: 2/10/2022 12:47:30 PM
Status:
Color: ■
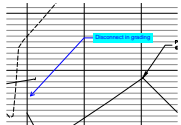**Layer:**
Space:

Reference pond plans

Subject: Text Box
Page Label: 33
Author: CDurham
Date: 2/10/2022 12:47:43 PM
Status:
Color: ■
Layer:
Space:

Street name

Subject: Text Box
Page Label: 33
Author: CDurham
Date: 2/10/2022 12:47:48 PM
Status:
Color: ■
Layer:
Space:

Street name

Subject: Callout
Page Label: 33
Author: CDurham
Date: 2/10/2022 12:49:40 PM
Status:
Color: ■
Layer:
Space:

Disconnect in grading

Subject: Callout
Page Label: 33
Author: CDurham
Date: 2/10/2022 12:49:52 PM
Status:
Color: ■
Layer:
Space:

Remove this line

Subject: Callout
Page Label: 33
Author: CDurham
Date: 2/10/2022 12:50:25 PM
Status:
Color: ■
Layer:
Space:

Verify which line corresponds to correct grading

Subject: Callout
Page Label: 33
Author: CDurham
Date: 2/10/2022 12:50:47 PM
Status:
Color: ■
Layer:
Space:

Ensure proposed grading provides proper cover over pipe

Subject: Text Box
Page Label: 33
Author: CDurham
Date: 2/10/2022 12:51:13 PM
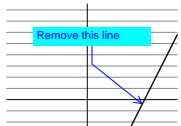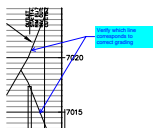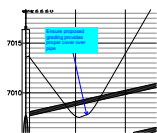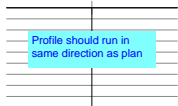**Status:**
Color: ■
Layer:
Space:

Add note that all storm pipe installed in Briargate will need to an extended 100-year service life per ECM 3.3.1.B.2

Subject: Text Box
Page Label: 33
Author: CDurham
Date: 2/10/2022 12:51:29 PM
Status:
Color: ■
Layer:
Space:

Include all line and curve data for storm alignments (all sheets)

Subject: Text Box
Page Label: 33
Author: CDurham
Date: 2/10/2022 12:53:15 PM
Status:
Color: ■
Layer:
Space:

Profile should run in same direction as plan

Subject: Callout
Page Label: 33
Author: CDurham
Date: 2/10/2022 12:54:58 PM
Status:
Color: ■
Layer:
Space:

Label storm alignment intersections

Subject: Text Box
Page Label: 33
Author: CDurham
Date: 2/10/2022 12:55:31 PM
Status:
Color: ■
Layer:
Space:

Include HGL's with next submittal

Subject: Callout
Page Label: 33
Author: CDurham
Date: 2/10/2022 12:56:32 PM
Status:
Color: ■
Layer:
Space:

Forebay for pond?

Subject: Text Box
Page Label: 33
Author: CDurham
Date: 2/10/2022 2:26:17 PM
Status:
Color: ■
Layer:
Space:

Include whether all storm items are public or private.

Subject: Text Box
Page Label: 33
Author: CDurham
Date: 2/10/2022 2:26:38 PM
Status:
Color: ■
Layer:
Space:

Label all existing & proposed utilities

---

34 (10)

Subject: Text Box
Page Label: 34
Author: CDurham
Date: 2/10/2022 12:51:57 PM
Status:
Color: ■
Layer:
Space:

Street name

Subject: Text Box
Page Label: 34
Author: CDurham
Date: 2/10/2022 12:52:01 PM
Status:
Color: ■
Layer:
Space:

Street name

Subject: Callout
Page Label: 34
Author: CDurham
Date: 2/10/2022 12:55:23 PM
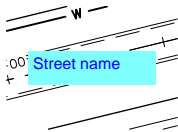**Status:**
Color: ■
Layer:
Space:

Label storm alignment intersections

Subject: Callout
Page Label: 34
Author: CDurham
Date: 2/10/2022 12:56:53 PM
Status:
Color: ■
Layer:
Space:

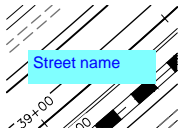Riprap outlet protection

---

Subject: Text Box
Page Label: 34
Author: CDurham
Date: 2/10/2022 12:57:35 PM
Status:
Color: ■
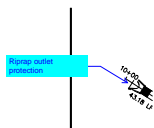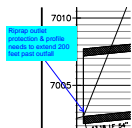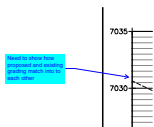**Layer:**
Space:

Street name

Subject: Callout
Page Label: 34
Author: CDurham
Date: 2/10/2022 2:14:34 PM
Status:
Color: ■
Layer:
Space:

Riprap outlet protection & profile needs to extend 200 feet past outfall

---

Subject: Callout
Page Label: 34
Author: CDurham
Date: 2/10/2022 2:15:18 PM
Status:
Color: ■
Layer:
Space:

Need to show how proposed and existing grading match into to each other

---

Subject: Callout
Page Label: 34
Author: CDurham
Date: 2/10/2022 2:15:37 PM
Status:
Color: ■
Layer:
Space:

Need to show how proposed and existing grading match into to each other

Subject: Text Box
Page Label: 34
Author: CDurham
Date: 2/10/2022 2:25:59 PM
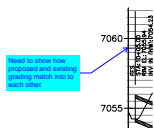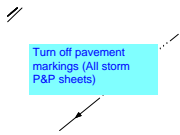**Status:**
Color: ■
Layer:
Space:

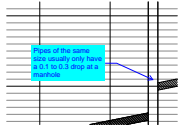Turn off pavement markings (All storm P&P sheets)

Subject: Callout
Page Label: 34
Author: CDurham
Date: 2/10/2022 2:35:42 PM
Status:
Color: ■
Layer:
Space:

Include dimensions to all utilities from storm (all sheets)

---

35 (2)

Subject: Callout
Page Label: 35
Author: CDurham
Date: 2/10/2022 2:25:10 PM
Status:
Color: ■
Layer:
Space:

Pipes of the same size usually only have a 0.1 to 0.3 drop at a manhole

---

Subject: Text Box
Page Label: 35
Author: CDurham
Date: 2/10/2022 2:26:56 PM
Status:
Color: ■
Layer:
Space:

Street Name

---

36 (1)

Subject: Text Box
Page Label: 36
Author: CDurham
Date: 2/10/2022 2:27:21 PM
Status:
Color: ■
Layer:
Space:

Street Name

---

37 (1)

Subject: Text Box
Page Label: 37
Author: CDurham
Date: 2/10/2022 2:28:03 PM
Status:
Color: ■
Layer:
Space:

Street Name

38 (1)

Subject: Text Box
Page Label: 38
Author: CDurham
Date: 2/10/2022 2:28:31 PM
Status:
Color: ■
Layer:
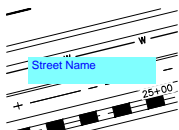**Space:**

Street Name

39 (1)
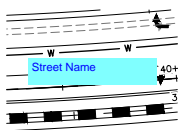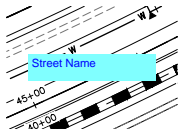

Subject: Text Box
Page Label: 39
Author: CDurham
Date: 2/10/2022 2:28:38 PM
Status:
Color: ■
Layer:
Space:

Street Name

40 (2)

Subject: Text Box
Page Label: 40
Author: CDurham
Date: 2/10/2022 2:28:54 PM
Status:
Color: ■
Layer:
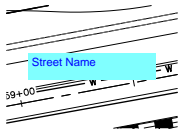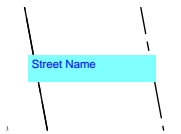**Space:**

Street Name

Subject: Text Box
Page Label: 40
Author: CDurham
Date: 2/10/2022 2:28:59 PM
Status:
Color: ■
Layer:
Space:

Street Name

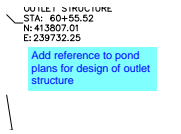## 41 (2)

Subject: Text Box
Page Label: 41
Author: CDurham
Date: 2/10/2022 2:29:05 PM
Status:
Color: ■
Layer:
Space:

Street Name

Subject: Text Box
Page Label: 41
Author: CDurham
Date: 2/10/2022 2:42:10 PM
Status:
Color: ■
Layer:
Space:

Add reference to pond plans for design of outlet
structure

Subject: Callout
Page Label: 42
Author: CDurham
Date: 2/10/2022 2:30:50 PM
Status:
Color: ■
Layer:
Space:

How does existing & proposed grading match to each other?

Subject: Callout
Page Label: 42
Author: CDurham
Date: 2/10/2022 2:31:02 PM
Status:
Color: ■
Layer:
Space:

Riprap outlet protection

Subject: Callout
Page Label: 42
Author: CDurham
Date: 2/10/2022 2:31:10 PM
Status:
Color: ■
Layer:
Space:

Riprap outlet protection

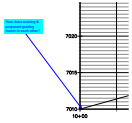--

Subject: Text Box
Page Label: 42
Author: CDurham
Date: 2/10/2022 2:31:28 PM
Status:
Color: ■
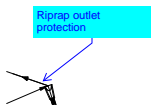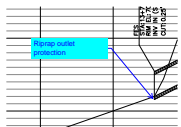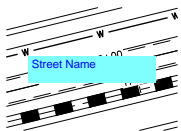**Layer:**
Space:

Street Name

Subject: Text Box
Page Label: 42
Author: CDurham
Date: 2/10/2022 2:32:05 PM
Status:
Color: ■
Layer:
Space:

Reference pond plans

Subject: Callout
Page Label: 42
Author: CDurham
Date: 2/10/2022 2:32:38 PM
Status:
Color: ■
Layer:
Space:

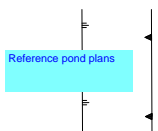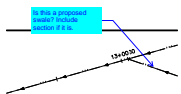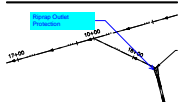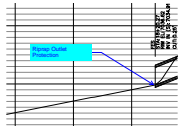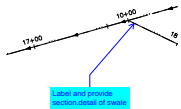Is this a proposed swale? Include section if it is.

Subject: Callout
Page Label: 43
Author: CDurham
Date: 2/10/2022 2:33:10 PM
Status:
Color: ■
Layer:
Space:

Riprap Outlet Protection

Subject: Callout
Page Label: 43
Author: CDurham
Date: 2/10/2022 2:33:22 PM
Status:
Color: ■
Layer:
Space:

Riprap Outlet Protection

Subject: Callout
Page Label: 43
Author: CDurham
Date: 2/10/2022 2:33:37 PM
Status:
Color: ■
Layer:
Space:

Label and provide section.detail of swale

Subject: Callout
Page Label: 43
Author: CDurham
Date: 2/10/2022 2:34:05 PM
Status:
Color: ■
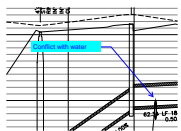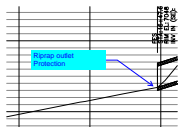**Layer:**
Space:

Conflict with water

Subject: Callout
Page Label: 44
Author: CDurham
Date: 2/10/2022 2:36:12 PM
Status:
Color: ■
Layer:
Space:

Riprap Outlet Protection

Subject: Callout
Page Label: 44
Author: CDurham
Date: 2/10/2022 2:36:41 PM
Status:
Color: ■
Layer:
Space:

Riprap outlet Protection

Subject: Callout
Page Label: 44
Author: CDurham
Date: 2/10/2022 2:36:54 PM
Status:
Color: ■
Layer:
Space:

Conflict with water

Subject: Callout
Page Label: 44
Author: CDurham
Date: 2/10/2022 2:37:15 PM
Status:
Color: ■
Layer:
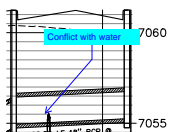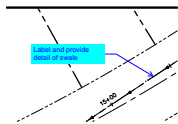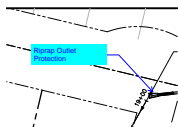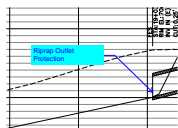**Space:**

Label and provide detail of swale

45 (3)

Subject: Callout
Page Label: 45
Author: CDurham
Date: 2/10/2022 2:37:42 PM
Status:
Color: ■
Layer:
Space:

Riprap Outlet Protection
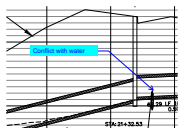

Subject: Callout
Page Label: 45
Author: CDurham
Date: 2/10/2022 2:37:56 PM
Status:
Color: ■
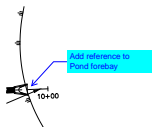**Layer:**
Space:

Riprap Outlet Protection

Subject: Callout
Page Label: 45
Author: CDurham
Date: 2/10/2022 2:38:04 PM
Status:
Color: ■
Layer:
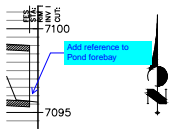**Space:**

Conflict with water

46 (5)

Subject: Callout
Page Label: 46
Author: CDurham
Date: 2/10/2022 2:38:36 PM
Status:
Color: ■
Layer:
Space:

Add reference to Pond forebay

Subject: Callout
Page Label: 46
Author: CDurham
Date: 2/10/2022 2:38:44 PM
Status:
Color: ■
Layer:
Space:

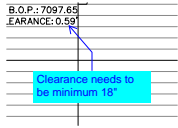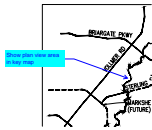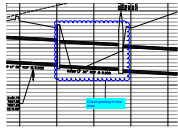Add reference to Pond forebay

Subject: Callout
Page Label: 46
Author: CDurham
Date: 2/10/2022 2:39:00 PM
Status:
Color: ■
Layer:
Space:

Clearance needs to be minimum 18"

Subject: Callout
Page Label: 46
Author: CDurham
Date: 2/10/2022 9:47:26 AM
Status:
Color: ■
Layer:
Space:

Show plan view area in key map

Subject: Cloud+
Page Label: 46
Author: CDurham
Date: 2/10/2022 9:48:10 AM
Status:
Color: ■
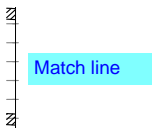**Layer:**
Space:
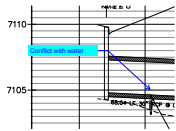
Check grading in this area.

47 (3)

Subject: Callout
Page Label: 47
Author: CDurham
Date: 2/10/2022 2:39:46 PM
Status:
Color: ■
Layer:
Space:

Label Swale & provide detail

Subject: Text Box
Page Label: 47
Author: CDurham
Date: 2/10/2022 2:40:08 PM
Status:
Color: ■
Layer:
Space:

Match line

Subject: Callout
Page Label: 47
Author: CDurham
Date: 2/10/2022 2:40:20 PM
Status:
Color: ■
Layer:
Space:

Conflict with water

---

49 (1)

Subject: Text Box
Page Label: 49
Author: CDurham
Date: 2/10/2022 2:44:24 PM
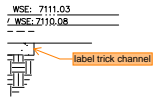**Status:**
Color: ■
Layer:
Space:

Include detail for fleared end sections, riprap outlet protection & 60" x 78" box.
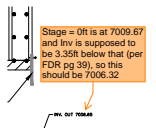
---

50 (13)

Subject: Text Box
Page Label: 50
Author: CDurham
Date: 2/10/2022 3:07:34 PM
Status:
Color: ■
Layer:
Space:

Need to include sheets showing plan view of all the items being constructed for interim phase of ponds
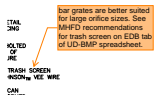

Subject: SW - Textbox with Arrow
Page Label: 50
Author: Glenn Reese - EPC Stormwater
Date: 2/7/2022 11:01:56 AM
Status:
Color: ■
Layer:
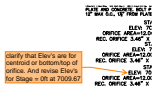**Space:**

label trick channel

Subject: SW - Textbox with Arrow
Page Label: 50
Author: Glenn Reese - EPC Stormwater
Date: 2/7/2022 11:03:28 AM
Status:
Color: ■
Layer:
Space:

Stage = 0ft is at 7009.67 and Inv is supposed to be 3.35ft below that (per FDR pg 39), so this should be 7006.32

Subject: SW - Textbox with Arrow
Page Label: 50
Author: Glenn Reese - EPC Stormwater
Date: 2/7/2022 11:08:46 AM
Status:
Color: ■
Layer:
Space:

bar grates are better suited for large orifice sizes. See MHFD recommendations for trash screen on EDB tab of UD-BMP spreadsheet.

Subject: SW - Textbox with Arrow
Page Label: 50
Author: Glenn Reese - EPC Stormwater
Date: 2/7/2022 11:11:53 AM
Status:
Color: ■
Layer:
Space:

clarify that Elev's are for centroid or bottom/top of orifice. And revise Elev's for Stage = 0ft at 7009.67
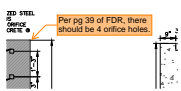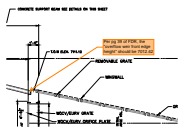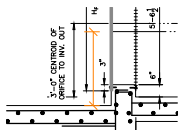

Subject: SW - Textbox with Arrow
Page Label: 50
Author: Glenn Reese - EPC Stormwater
Date: 2/7/2022 11:12:35 AM
Status:
Color: ■
Layer:
Space:

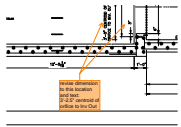Per pg 39 of FDR, there should be 4 orifice holes.

Subject: SW - Textbox with Arrow
Page Label: 50
Author: Glenn Reese - EPC Stormwater
Date: 2/7/2022 11:14:53 AM
Status:
Color: ■
Layer:
Space:

Per pg 39 of FDR, the "overflow weir front edge height" should be 7012.42
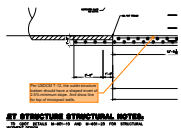

Subject: Architect
Page Label: 50
Author: Glenn Reese - EPC Stormwater
Date: 2/7/2022 11:17:48 AM
Status:
Color: 🟧
Layer:
Space:

Subject: SW - Textbox with Arrow
Page Label: 50
Author: Glenn Reese - EPC Stormwater
Date: 2/7/2022 11:19:48 AM
Status:
Color: ■
Layer:
Space:

revise dimension to this location and text: 3'-2.5" centroid of orifice to Inv Out
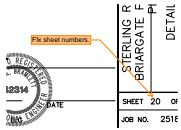

Subject: SW - Textbox with Arrow
Page Label: 50
Author: Glenn Reese - EPC Stormwater
Date: 2/7/2022 11:20:17 AM
Status:
Color: ■
Layer:
Space:

Per USDCM T-12, the outlet structure bottom should have a shaped invert of 2.5% minimum slope. And show line for top of micropool walls.

Subject: SW - Textbox
Page Label: 50
Author: Glenn Reese - EPC Stormwater
Date: 2/7/2022 11:22:40 AM
Status:
Color: ■
Layer:
Space:

All comments on this sheet are typical and also apply to the details sheet for Pond FSD16

Subject: SW - Textbox with Arrow
Page Label: 50
Author: Glenn Reese - EPC Stormwater
Date: 2/7/2022 11:25:05 AM
Status:
Color: ■
Layer:
Space:

FIx sheet numbers.

Subject: SW - Textbox
Page Label: 50
Author: Glenn Reese - EPC Stormwater
Date: 2/7/2022 11:34:33 AM
Status:
Color: ■
Layer:
Space:

Provide a detail for trickle channel, emergency overflow, forebay(s), overflow cutoff wall, and maintenance access road.