



ENG-SF22041-R1-CDs.pdf Markup Summary

1 (9)

MINIMUM THICKNESS.
SPECIFIC PLACEMENT LOCATIONS AND SPACING SHALL BE A MINIMUM 4' SPACING LEADING EDGES FOR COST STANDARD S-427(2) 1.5' BEYOND THE RIGHT OF WAY. CROSSROADS SHALL BE 12' MINIMUM THICKNESS EPOXY PAINT. ALL NON-LOCAL RDS TO AND FROM ADDITIONAL STOPPING AS REQUIRED BY COST COUNTY PLANNING AND COMMUNITY DEVELOPMENT (716) 82
IN THE RIGHT OF WAY FROM THE EL PASO COUNTY ROADWAY.
K WITH AN EXISTING EL PASO COUNTY ROADWAY.


Subject:
Page Index: 1
Date: 1/30/2023 12:29:04 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [1] Layout1

MINIMUM THICKNESS SHALL BE A MINIMUM 1/2" THICKNESS. SPECIFIC PLACEMENT LOCATIONS AND SPACING SHALL BE A MINIMUM 4' SPACING LEADING EDGES FOR COST STANDARD S-427(2) 1.5' BEYOND THE RIGHT OF WAY. CROSSROADS SHALL BE 12' MINIMUM THICKNESS EPOXY PAINT. ALL NON-LOCAL RDS TO AND FROM ADDITIONAL STOPPING AS REQUIRED BY COST COUNTY PLANNING AND COMMUNITY DEVELOPMENT (716) 82
IN THE RIGHT OF WAY FROM THE EL PASO COUNTY ROADWAY.
K WITH AN EXISTING EL PASO COUNTY ROADWAY.


Subject: Callout
Page Index: 1
Date: 1/30/2023 12:29:26 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [1] Layout1

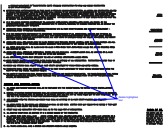
Change to "Inspections"


ES NOT MATERIALLY DAMAGE THE PAVEMENT UNDER DAY OR NIGHT CONDITIONS.
JNTY PLANNING AND COMMUNITY DEVELOPMENT (716) 82
IS MAY REMAIN OR BE REUSED IF THEY
S.

Subject:
Page Index: 1
Date: 1/30/2023 12:30:09 PM
Author: dsdrice
Color: 
Layer:
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Page Label: [1] Layout1

THE DEVELOPMENT TIME WILL IT BE AC
3. ANY DEVIATION FROM DEVELOPMENT.
4. ALL SIGNS SHOWN CURRENT EL PASO


Subject:
Page Index: 1
Date: 1/30/2023 12:30:12 PM
Author: dsdrice
Color: 
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Page Label: [1] Layout1




Subject: Callout
Page Index: 1
Date: 1/30/2023 12:31:31 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [1] Layout1

Delete highlighted text


TRACTOR SH
JTY PCD PR
CONSTRUCTI

Subject:
Page Index: 1
Date: 1/30/2023 12:31:03 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [1] Layout1

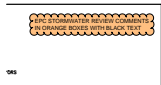
STANDARDS AND REQUIREMENTS OF THE MOST RECENT EDITIONS OF THE LAND DEVELOPMENT CODE, THE ENGINEERING CODE, AND THE ZONING CODE. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS NECESSARY TO MEET CRITERIA AFTER-THE-FACT SHALL BE APPROVED BY THE BOARD OF COUNTY COMMISSIONERS. CONDITIONS, BOTH ON-SITE AND OFF-SITE, ON THE PROPOSED DEVELOPMENT SHALL BE ENFORCEABLE AND ENFORCEMENT SHALL BE THE RESPONSIBILITY OF THE COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT. OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES, INCLUDING BUT NOT LIMITED TO: STATE AND COUNTY ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY ENGINEER APPROVAL FROM THE DESIGN ENGINEER AND PCB BY OF ANY ERRORS OR INCONSISTENCIES.


Subject:
Page Index: 1
Date: 1/30/2023 12:31:20 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [1] Layout1

COURT PLAN AND PROFILE
DRIVE PLAN AND PROFILE
EAST SHOULDER PLAN
AN
IT POLE LOCATION PLAN

Subject: Callout
Page Index: 1
Date: 1/30/2023 4:33:21 PM
Author: CDurham
Color: 
Layer:
Space:
Page Label: [1] Layout1


spelling



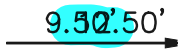
Subject: Stormwater Comments Color
Page Index: 1
Date: 1/31/2023 1:35:18 PM
Author: dotprete
Color: 
Layer:
Space:
Page Label: [1] Layout1


2 (5)

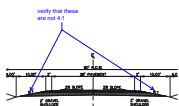



Subject: Callout
Page Index: 2
Date: 1/30/2023 10:42:31 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [1] Layout1

and drainage



Subject:
Page Index: 2
Date: 1/30/2023 10:42:59 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [1] Layout1



Subject: Callout
Page Index: 2
Date: 1/30/2023 10:44:24 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: [1] Layout1

verify that these are not 4:1

Include section for Arroya Lane which has c & g and guardrail placement



Subject: Text Box
Page Index: 2
Date: 1/30/2023 4:56:33 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

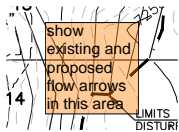
Include section for Arroya Lane which has c & g and guardrail placement



Subject: Callout
Page Index: 2
Date: 1/30/2023 4:57:27 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Include station limits to indicate where rural and urban sections begin/end

3 (28)



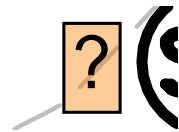
Subject: Engineer
Page Index: 3
Date: 1/31/2023 1:29:12 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

show existing and proposed flow arrows in this area

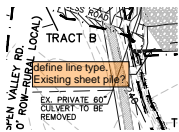


Subject: Engineer
Page Index: 3
Date: 1/25/2023 6:42:46 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

?

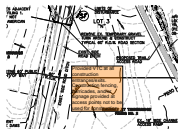


Subject: Engineer
Page Index: 3
Date: 1/25/2023 6:42:55 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout



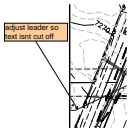
Subject: Engineer
Page Index: 3
Date: 1/31/2023 1:31:51 PM
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Color: ■
Layer:
Space:
Page Label: [1] layout

define line type.
Existing sheet pile?



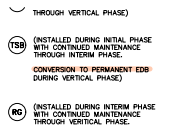
Subject: Engineer
Page Index: 3
Date: 1/26/2023 4:29:14 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

Provided VTC at all construction entrances/exits. Construction fencing, barricades, and/or signage provided at access points not to be used for construction.

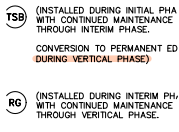


Subject: Engineer
Page Index: 3
Date: 1/26/2023 7:06:32 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

adjust leader so text isnt cut off



Subject: Engineer
Page Index: 3
Date: 1/26/2023 7:08:36 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout



Subject: Engineer
Page Index: 3
Date: 1/26/2023 7:08:39 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

Please confirm

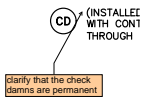
Subject: Engineer
Page Index: 3
Date: 1/26/2023 7:23:39 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

Please confirm

show areas of seeding/mulching (final)

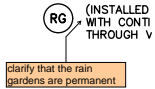
Subject: Engineer
Page Index: 3
Date: 1/26/2023 7:13:01 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

show areas of seeding/mulching (final)



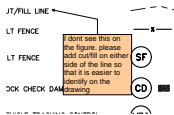
Subject: Engineer
Page Index: 3
Date: 1/26/2023 7:11:49 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

clarify that the check dams are permanent



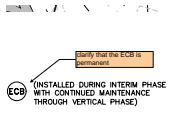
Subject: Engineer
Page Index: 3
Date: 1/26/2023 7:12:58 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

clarify that the rain gardens are permanent



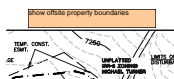
Subject: Engineer
Page Index: 3
Date: 1/31/2023 1:32:17 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

I dont see this on the figure. please add cut/fill on either side of the line so that it is easier to identify on the drawing



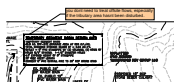
Subject: Engineer
Page Index: 3
Date: 1/26/2023 7:24:17 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

clarify that the ECB is permanent



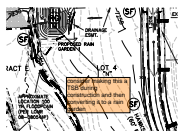
Subject: Engineer
Page Index: 3
Date: 1/26/2023 7:30:40 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

show offsite property boundaries



Subject: Engineer
Page Index: 3
Date: 1/30/2023 8:33:33 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

you dont need to treat offsite flows, especially if the tributary area hasnt been disturbed.



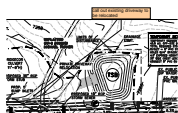
Subject: Engineer
Page Index: 3
Date: 1/30/2023 8:46:07 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

consider making this a TSB during construction and then converting it to a rain garden



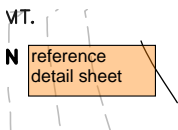
Subject: Engineer
Page Index: 3
Date: 1/30/2023 8:57:28 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

show all existing items in gray and all proposed work (including riprap) in black



Subject: Engineer
Page Index: 3
Date: 1/30/2023 9:19:55 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

call out existing driveway to be relocated



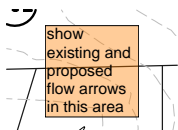
Subject: Text Box
Page Index: 3
Date: 1/30/2023 10:46:31 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

reference detail sheet



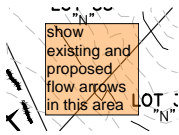
Subject: Engineer
Page Index: 3
Date: 1/31/2023 9:14:07 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

is this existing ECB to remain?



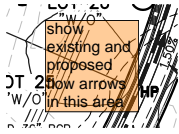
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Page Index: 3
Date: 1/31/2023 1:28:58 PM
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Color: ■
Layer:
Space:
Page Label: [1] layout

show existing and proposed flow arrows in this area



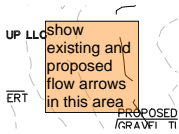
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Page Index: 3
Date: 1/31/2023 1:29:01 PM
Author: dotprete
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Space:
Page Label: [1] layout

show existing and proposed flow arrows in this area



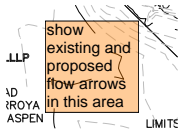
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Page Index: 3
Date: 1/31/2023 1:29:08 PM
Author: dotprete
Color: ■
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Space:
Page Label: [1] layout

show existing and proposed flow arrows in this area



Subject: Engineer
Page Index: 3
Date: 1/31/2023 1:29:21 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] layout

show existing and proposed flow arrows in this area



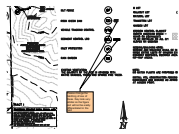
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Page Index: 3
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Color: ■
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Space:
Page Label: [1] layout

show existing and proposed flow arrows in this area



Subject: Engineer
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Date: 1/31/2023 1:45:12 PM
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Space:
Page Label: [1] layout

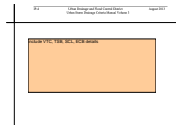
proposed ECB should be shown in black.



Subject: Engineer
Page Index: 3
Date: 1/31/2023 1:48:24 PM
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Color: ■
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Space:
Page Label: [1] layout

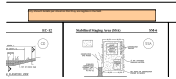
Please change the hatching of one of these. they look very similar on the figure and will not be easily differentiated in the field

4 (2)



Subject: Engineer
Page Index: 4
Date: 1/26/2023 7:24:42 AM
Author: dotprete
Color: ■
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Page Label: [1] 24A

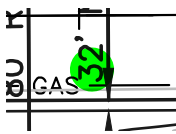
include VTC, TSB, SCL, ECB details



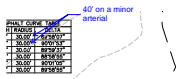
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Page Index: 4
Date: 1/31/2023 1:30:46 PM
Author: dotprete
Color: ■
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Space:
Page Label: [1] 24A

only show 8 details per sheet so that they are legible in the field.

5 (13)

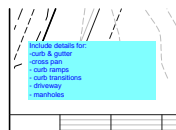


Subject: Highlight
Page Index: 5
Date: 1/30/2023 11:57:15 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1



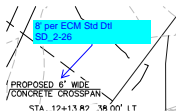
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Page Index: 5
Date: 1/30/2023 12:02:27 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

40' on a minor arterial



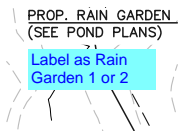
Subject: Text Box
Page Index: 5
Date: 1/31/2023 2:43:46 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Include details for:
-curb & gutter
-cross pan
- curb ramps
- curb transitions
- driveway
- manholes



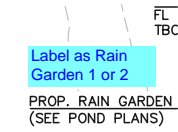
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Page Index: 5
Date: 1/30/2023 4:34:38 PM
Author: CDurham
Color: ■
Layer:
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Page Label: [1] Layout1

8' per ECM Std Dtl SD_2-26



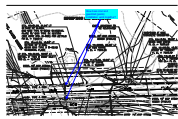
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Page Index: 5
Date: 1/30/2023 4:35:47 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Label as Rain Garden 1 or 2



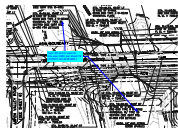
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Page Index: 5
Date: 1/30/2023 4:35:58 PM
Author: CDurham
Color: ■
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Space:
Page Label: [1] Layout1

Label as Rain Garden 1 or 2



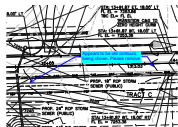
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Page Index: 5
Date: 1/30/2023 4:46:16 PM
Author: CDurham
Color: ■
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Space:
Page Label: [1] Layout1

How does inlet and guardrail (posts) installation work together?



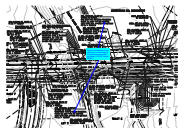
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Page Index: 5
Date: 1/30/2023 5:00:16 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Type 3D end is used on one-way traffic per sheet 19 of CDOT std dtl M-606-1



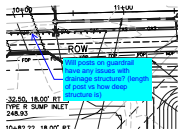
Subject: Callout
Page Index: 5
Date: 1/30/2023 5:01:57 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Appears to be old contours being shown. Please remove



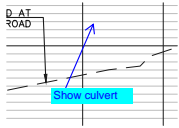
Subject: Callout
Page Index: 5
Date: 1/30/2023 5:12:52 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Type K end sections to be used only on driveways & low speed service roads per sheet 12 CDOT std dtl M-606-1



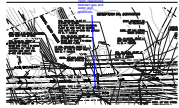
Subject: Callout
Page Index: 5
Date: 1/31/2023 12:08:26 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Will posts on guardrail have any issues with drainage structure? (length of post vs how deep structure is)



Subject: Callout
Page Index: 5
Date: 1/31/2023 12:31:40 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

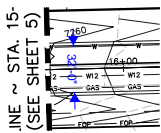
Show culvert



Subject: Callout
Page Index: 5
Date: 1/31/2023 3:29:51 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

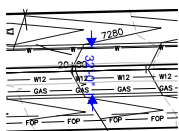
Verify clearances between gas and water and guardrails

6 (12)



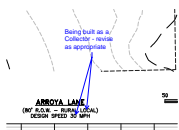
Subject: Length Measurement
Page Index: 6
Date: 1/30/2023 12:04:40 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

32'-0"



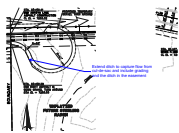
Subject: Length Measurement
Page Index: 6
Date: 1/30/2023 12:05:10 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

32'-0"



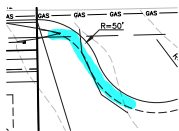
Subject: Callout
Page Index: 6
Date: 1/30/2023 12:05:48 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Being built as a Collector - revise as appropriate

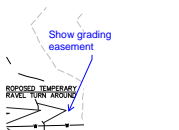


Subject: Callout
Page Index: 6
Date: 1/30/2023 12:09:16 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Extend ditch to capture flow from cul-de-sac and include grading and the ditch in the easement



Subject:
Page Index: 6
Date: 1/30/2023 12:06:38 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1



Subject: Callout
Page Index: 6
Date: 1/30/2023 12:08:46 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Show grading easement

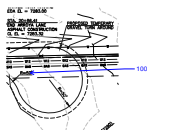


Subject: Rectangle
Page Index: 6
Date: 1/30/2023 12:08:34 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1



Subject: Callout
Page Index: 6
Date: 1/30/2023 12:11:51 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

asphalt to meet standards



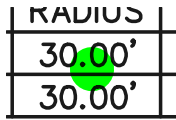
Subject: Callout
Page Index: 6
Date: 1/30/2023 12:13:33 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

100

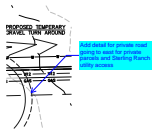


Subject: Callout
Page Index: 6
Date: 1/30/2023 12:14:20 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Label R=60'



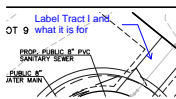
Subject: Highlight
Page Index: 6
Date: 1/30/2023 12:26:06 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1



Subject: Callout
Page Index: 6
Date: 1/31/2023 9:52:50 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

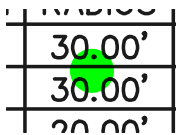
Add detail for private road going to east for private parcels and Sterling Ranch utility access

7 (6)

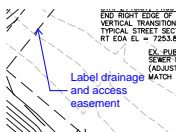


Subject: Callout
Page Index: 7
Date: 1/27/2023 11:46:56 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Label Tract I and what it is for

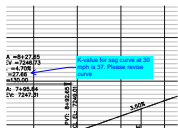


Subject: Highlight
Page Index: 7
Date: 1/30/2023 12:26:51 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1



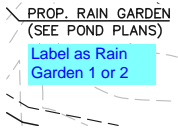
Subject: Callout
Page Index: 7
Date: 1/30/2023 12:27:39 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Label drainage and access easement



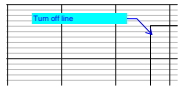
Subject: Callout
Page Index: 7
Date: 1/30/2023 5:15:15 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

K-value for sag curve at 30 mph is 37. Please revise curve



Subject: Text Box
Page Index: 7
Date: 1/30/2023 5:15:41 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

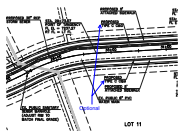
Label as Rain Garden 1 or 2



Subject: Callout
Page Index: 7
Date: 1/31/2023 9:54:56 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

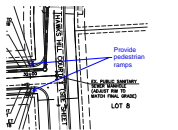
Turn off line

8 (5)



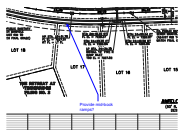
Subject: Callout
Page Index: 8
Date: 1/27/2023 11:48:44 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Optional



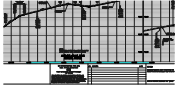
Subject: Callout
Page Index: 8
Date: 1/27/2023 11:50:37 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Provide pedestrian ramps

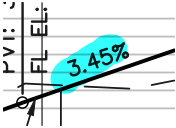


Subject: Callout
Page Index: 8
Date: 1/27/2023 11:52:52 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Provide mid-bock ramps?

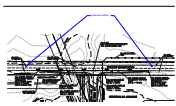


Subject:
 Page Index: 8
 Date: 1/27/2023 11:56:15 AM
 Author: dsdrice
 Color: ■
 Layer:
 Space:
 Page Label: [1] Layout1



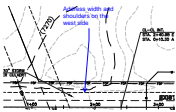
Subject:
 Page Index: 8
 Date: 1/27/2023 11:57:23 AM
 Author: dsdrice
 Color: ■
 Layer:
 Space:
 Page Label: [1] Layout1

9 (2)



Subject: Callout
 Page Index: 9
 Date: 1/30/2023 1:03:47 PM
 Author: dsdrice
 Color: ■
 Layer:
 Space:
 Page Label: [1] Layout1

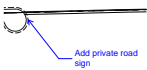
Label lane widths



Subject: Callout
 Page Index: 9
 Date: 1/30/2023 1:04:57 PM
 Author: dsdrice
 Color: ■
 Layer:
 Space:
 Page Label: [1] Layout1

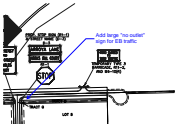
Address width and shoulders on the west side

10 (5)



Subject: Callout
 Page Index: 10
 Date: 1/27/2023 12:36:36 PM
 Author: dsdrice
 Color: ■
 Layer:
 Space:
 Page Label: [1] layout

Add private road sign



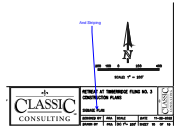
Subject: Callout
 Page Index: 10
 Date: 1/27/2023 12:37:51 PM
 Author: dsdrice
 Color: ■
 Layer:
 Space:
 Page Label: [1] layout

Add large "no outlet" sign for EB traffic



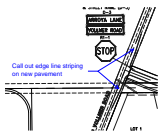
Subject: Callout
Page Index: 10
Date: 1/30/2023 12:24:16 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] layout

Show speed limit signs (35 on Arroya)



Subject: Callout
Page Index: 10
Date: 1/30/2023 12:57:34 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] layout

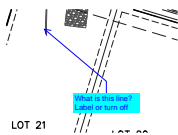
And Striping



Subject: Callout
Page Index: 10
Date: 1/30/2023 1:01:40 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] layout

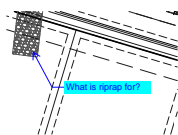
Call out edge line striping on new pavement

12 (8)



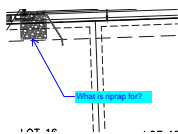
Subject: Callout
Page Index: 12
Date: 1/31/2023 8:56:56 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

What is this line? Label or turn off



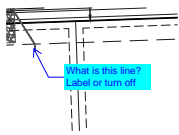
Subject: Callout
Page Index: 12
Date: 1/31/2023 8:56:47 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

What is riprap for?



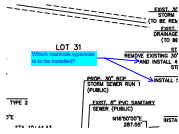
Subject: Callout
Page Index: 12
Date: 1/31/2023 8:56:54 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

What is riprap for?



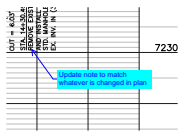
Subject: Callout
Page Index: 12
Date: 1/31/2023 8:57:09 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

What is this line? Label or turn off



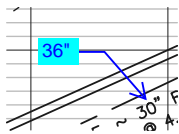
Subject: Callout
Page Index: 12
Date: 1/31/2023 8:58:17 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Which manhole type/size is to be installed?



Subject: Callout
Page Index: 12
Date: 1/31/2023 9:01:26 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Update note to match whatever is changed in plan



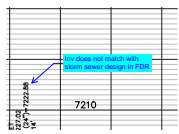
Subject: Callout
Page Index: 12
Date: 1/31/2023 9:04:07 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

36"

**BEND
 PE 2
 HOLE**

Subject: Highlight
Page Index: 12
Date: 1/31/2023 2:40:44 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

13 (6)



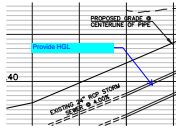
Subject: Callout
Page Index: 13
Date: 1/31/2023 9:07:25 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Inv does not match with storm sewer design in FDR



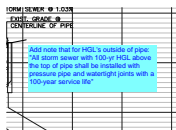
Subject: Text Box
Page Index: 13
Date: 1/31/2023 9:14:38 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

FDR needs to include design/analysis calculations for this system



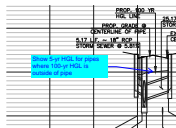
Subject: Callout
Page Index: 13
Date: 1/31/2023 9:28:39 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Provide HGL



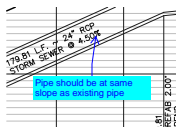
Subject: Text Box
Page Index: 13
Date: 1/31/2023 9:32:07 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Add note that for HGL's outside of pipe: "All storm sewer with 100-yr HGL above the top of pipe shall be installed with pressure pipe and watertight joints with a 100-year service life"



Subject: Callout
Page Index: 13
Date: 1/31/2023 9:32:38 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

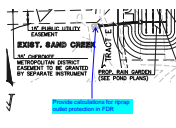
Show 5-yr HGL for pipes where 100-yr HGL is outside of pipe



Subject: Callout
Page Index: 13
Date: 1/31/2023 9:56:41 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

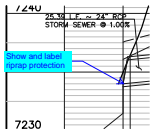
Pipe should be at same slope as existing pipe

14 (10)



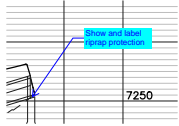
Subject: Callout
Page Index: 14
Date: 1/31/2023 9:23:37 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Provide calculations for riprap outlet protection in FDR



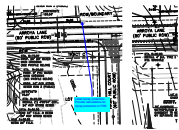
Subject: Callout
Page Index: 14
Date: 1/31/2023 9:26:37 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Show and label riprap protection



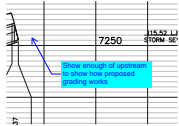
Subject: Callout
Page Index: 14
Date: 1/31/2023 9:35:28 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Show and label riprap protection



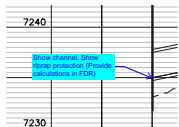
Subject: Callout
Page Index: 14
Date: 1/31/2023 10:14:13 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Label riprap protection. Provide calculations for riprap protection in FDR



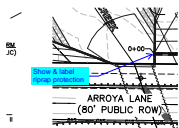
Subject: Callout
Page Index: 14
Date: 1/31/2023 10:13:46 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Show enough of upstream to show how proposed grading works



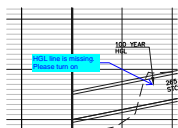
Subject: Callout
Page Index: 14
Date: 1/31/2023 11:08:39 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Show channel. Show riprap protection (Provide calculations in FDR)



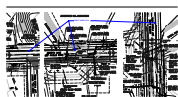
Subject: Callout
Page Index: 14
Date: 1/31/2023 11:21:27 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Show & label riprap protection



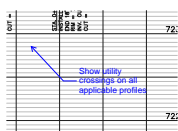
Subject: Callout
Page Index: 14
Date: 1/31/2023 11:20:07 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

HGL line is missing. Please turn on



Subject: Callout
Page Index: 14
Date: 1/31/2023 3:31:42 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

label water line



Subject: Callout
Page Index: 14
Date: 1/31/2023 3:33:37 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Show utility crossings on all applicable profiles

15 (18)



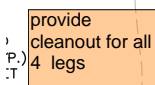
Subject: Engineer
Page Index: 15
Date: 1/30/2023 10:49:24 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

show all proposed work in black



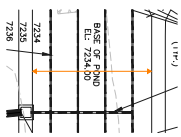
Subject: Engineer
Page Index: 15
Date: 1/26/2023 8:04:32 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

show existing and proposed riprap and how it will tie in

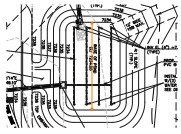


Subject: Engineer
Page Index: 15
Date: 1/30/2023 10:48:49 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

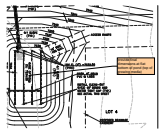
provide cleanout for all 4 legs



Subject: Arrow
Page Index: 15
Date: 1/30/2023 10:50:09 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

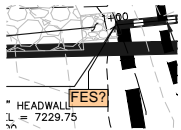


Subject: Arrow
Page Index: 15
Date: 1/30/2023 10:50:19 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN



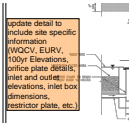
Subject: Engineer
Page Index: 15
Date: 1/30/2023 11:09:29 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

provide final dimensions at flat bottom of pond (top of growing media)



Subject: Engineer
Page Index: 15
Date: 1/30/2023 10:52:01 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

FES?



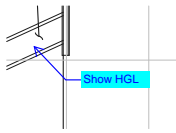
Subject: Engineer
Page Index: 15
Date: 1/31/2023 12:28:23 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

update detail to include site specific information (WQCV, EURV, 100yr Elevations, orifice plate details, inlet and outlet elevations, inlet box dimensions, restrictor plate, etc.)



Subject: Engineer
Page Index: 15
Date: 1/30/2023 10:58:22 AM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

include spillway and access road details.



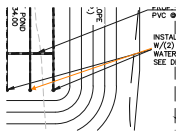
Subject: Callout
Page Index: 15
Date: 1/31/2023 11:28:53 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

Show HGL

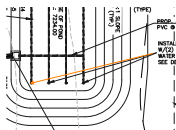
Include calculations for sizing of riprap in FDR

Subject: Text Box
Page Index: 15
Date: 1/31/2023 11:29:20 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

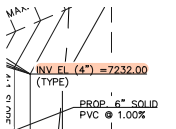
Include calculations for sizing of riprap in FDR



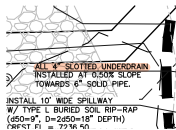
Subject: Arrow
Page Index: 15
Date: 1/31/2023 12:38:18 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN



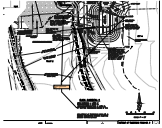
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Page Index: 15
Date: 1/31/2023 12:38:25 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN



Subject: Engineer
Page Index: 15
Date: 1/31/2023 12:41:00 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN



Subject: Engineer
Page Index: 15
Date: 1/31/2023 12:41:08 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN



Subject: Engineer
Page Index: 15
Date: 1/31/2023 12:41:30 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

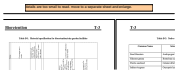
confirm underdrain size

RAIN_GARDEN-1

WQCV REQUIRED = 1,830 CF
 WQCV PROVIDED = 2,309 CF
 UNDERDRAIN ORIFICE DIA. = 2
 6" SLOTTED UNDERDRAIN SPAC

SEE RETREAT AT TIMBERIDGE FI
 GRADING AND EROSION CONTROL
 DESIGN CONSTRUCTION DETAILS

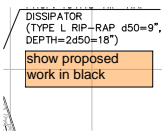
Subject: Engineer
Page Index: 15
Date: 1/31/2023 12:41:54 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN



Subject: Engineer
Page Index: 15
Date: 1/31/2023 12:48:29 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

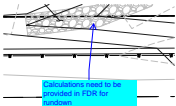
details are too small to read. move to a separate sheet and enlarge.

16 (11)



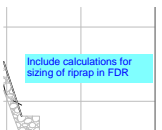
Subject: Engineer
Page Index: 16
Date: 1/31/2023 12:37:39 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

show proposed work in black



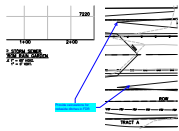
Subject: Callout
Page Index: 16
Date: 1/31/2023 9:20:58 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

Calculations need to be provided in FDR for rundown



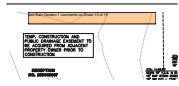
Subject: Text Box
Page Index: 16
Date: 1/31/2023 11:32:02 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

Include calculations for sizing of riprap in FDR



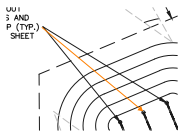
Subject: Callout
Page Index: 16
Date: 1/31/2023 11:34:39 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

Provide calculations for roadside ditches in FDR

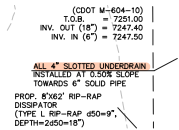


Subject: Engineer
Page Index: 16
Date: 1/31/2023 12:37:25 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

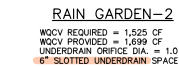
see Rain Garden-1 comments on Sheet 15 of 19



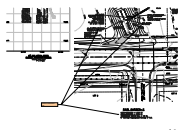
Subject: Arrow
Page Index: 16
Date: 1/31/2023 12:38:05 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN



Subject: Engineer
Page Index: 16
Date: 1/31/2023 12:39:51 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

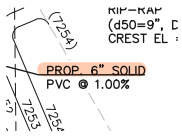


Subject: Engineer
Page Index: 16
Date: 1/31/2023 12:39:54 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

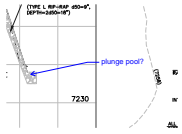


Subject: Engineer
Page Index: 16
Date: 1/31/2023 12:40:23 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

confirm underdrain size



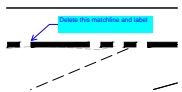
Subject: Engineer
Page Index: 16
Date: 1/31/2023 12:40:35 PM
Author: dotprete
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN



Subject: Callout
Page Index: 16
Date: 1/31/2023 3:19:38 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] RAIN GARDEN

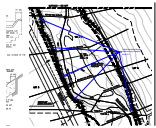
plunge pool?

17 (4)



Subject: Callout
Page Index: 17
Date: 1/31/2023 11:40:48 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] CHANNEL 1

Delete this matchline and label



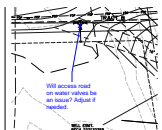
Subject: Callout
Page Index: 17
Date: 1/31/2023 3:11:50 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] CHANNEL 1

Label existing slopes, address any steeper than 3:1



Subject: Callout
Page Index: 17
Date: 1/31/2023 3:14:28 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] CHANNEL 1

Show stabilized access road to the north side



Subject: Callout
Page Index: 17
Date: 1/31/2023 3:17:21 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] CHANNEL 1

Will access road on water valves be an issue?
 Adjust if needed.

18 (1)

r conduits 18" to 48" in diameter (Part 1 of

Did not see where this is being used. Please delete

Flood Control District
Criteria Manual Volume 2
Septemb

Subject: Text Box
Page Index: 18
Date: 1/31/2023 11:43:18 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout2

Did not see where this is being used. Please delete

19 (1)

Provide guardrail details also

Subject: Text Box
Page Index: 19
Date: 1/31/2023 3:26:51 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] Layout2

Provide guardrail details also