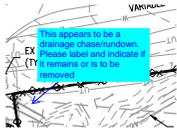


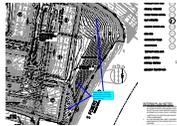
# V1Grading and Erosion Control Plan.pdf Markup Summary

## Callout (7)



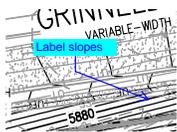
**Subject:** Callout  
**Page Label:** [3] 3 GESC - INITIAL  
**Author:** CDurham  
**Date:** 6/21/2023 4:54:06 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

This appears to be a drainage chase/runaway. Please label and indicate if it remains or is to be removed



**Subject:** Callout  
**Page Label:** [5] 5 GESC - INTERIM  
**Author:** CDurham  
**Date:** 6/21/2023 4:56:08 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Label slopes - Anything steeper than a 3:1 slope will need to have erosion control blanket



**Subject:** Callout  
**Page Label:** [5] 5 GESC - INTERIM  
**Author:** CDurham  
**Date:** 6/21/2023 4:56:42 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Label slopes



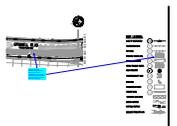
**Subject:** Callout  
**Page Label:** [5] 5 GESC - INTERIM  
**Author:** CDurham  
**Date:** 6/21/2023 4:57:17 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Include slopes at centerline of roads



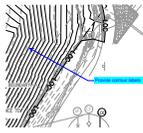
**Subject:** Callout  
**Page Label:** [5] 5 GESC - INTERIM  
**Author:** CDurham  
**Date:** 6/21/2023 4:57:38 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Label slopes



**Subject:** Callout  
**Page Label:** [6] 6 GESC - INTERIM  
**Author:** CDurham  
**Date:** 6/21/2023 5:12:22 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Per legend, this is stabilized staging area? I believe this is new pavement for the widening of Grinnell. Please revise legend or hatching on the plan to be different.



**Subject:** Callout  
**Page Label:** [7] 7 GESC - FINAL  
**Author:** CDurham  
**Date:** 6/21/2023 5:14:21 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

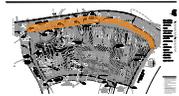
Provide contour labels

Line (1)



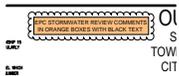
**Subject:** Line  
**Page Label:** [9] 9 GESC - DETAILS  
**Author:** Mikayla Hartford  
**Date:** 6/20/2023 11:40:57 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Polygon (1)



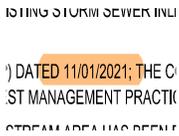
**Subject:** Polygon  
**Page Label:** [5] 5 GESC - INTERIM  
**Author:** Mikayla Hartford  
**Date:** 6/20/2023 10:53:09 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Stamp - Stormwater Comment Legend (1)



**Subject:** Stamp - Stormwater Comment Legend  
**Page Label:** [1] 1 GESC - COVER  
**Author:** Mikayla Hartford  
**Date:** 6/20/2023 10:41:16 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

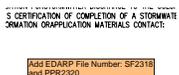
SW - Highlight (1)



**Subject:** SW - Highlight  
**Page Label:** [2] 2 GESC - NOTES  
**Author:** Mikayla Hartford  
**Date:** 6/20/2023 9:09:09 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

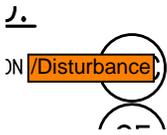
WMP) DATED

SW - Textbox (10)



**Subject:** SW - Textbox  
**Page Label:** [1] 1 GESC - COVER  
**Author:** Mikayla Hartford  
**Date:** 6/20/2023 7:15:36 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Add EDARP File Number: SF2318 and PPR2320



**Subject:** SW - Textbox  
**Page Label:** [3] 3 GESC - INITIAL  
**Author:** Mikayla Hartford  
**Date:** 6/19/2023 5:09:00 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

/Disturbance



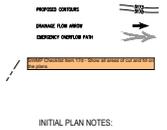
**Subject:** SW - Textbox  
**Page Label:** [7] 7 GESC - FINAL  
**Author:** Mikayla Hartford  
**Date:** 6/19/2023 5:15:19 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Show areas of seeding/mulching on the final phase plans.



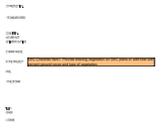
**Subject:** SW - Textbox  
**Page Label:** [2] 2 GESC - NOTES  
**Author:** Mikayla Hartford  
**Date:** 6/20/2023 9:32:10 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

SWMP Checklist Item 17f: Add a note that states no asphalt/concrete batch plants will be utilized.



**Subject:** SW - Textbox  
**Page Label:** [3] 3 GESC - INITIAL  
**Author:** Mikayla Hartford  
**Date:** 6/20/2023 9:47:08 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

SWMP Checklist Item 17d - Show all areas of cut and fill on the plans.



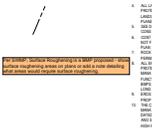
**Subject:** SW - Textbox  
**Page Label:** [2] 2 GESC - NOTES  
**Author:** Mikayla Hartford  
**Date:** 6/20/2023 10:45:41 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

GEC Checklist Item i: Provide existing vegetation on GEC plans or add note with percent ground cover and type of vegetation.



**Subject:** SW - Textbox  
**Page Label:** [4] 4 GESC - INITIAL  
**Author:** Mikayla Hartford  
**Date:** 6/20/2023 11:33:42 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Provide BMPs for construction work along Grinnell Blvd.



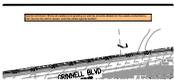
**Subject:** SW - Textbox  
**Page Label:** [5] 5 GESC - INTERIM  
**Author:** Mikayla Hartford  
**Date:** 6/20/2023 11:37:06 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Per SWMP, Surface Roughening is a BMP proposed - show surface roughening areas on plans or add a note detailing what areas would require surface roughening.



**Subject:** SW - Textbox  
**Page Label:** [13] 13 GESC - DETAILS  
**Author:** Mikayla Hartford  
**Date:** 6/20/2023 11:46:28 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

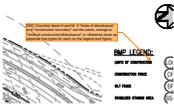
Provide standard detail for stockpile protection.



**Subject:** SW - Textbox  
**Page Label:** [7] 7 GESC - FINAL  
**Author:** Mikayla Hartford  
**Date:** 6/21/2023 3:55:46 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Typical comment: Show all swales and grading as well as provide details for the swale underdrains, their tie-into the storm sewer, and the swale typical section

SW - Textbox with Arrow (10)



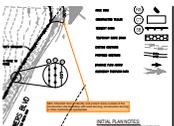
**Subject:** SW - Textbox with Arrow  
**Page Label:** [3] 3 GESC - INITIAL  
**Author:** Mikayla Hartford  
**Date:** 6/19/2023 5:10:32 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

GEC Checklist Items H and M. If "limits of disturbance" and "construction boundary" are the same, change to "limits of construction/disturbance" or otherwise show as separate line types for each on the legend and figure.



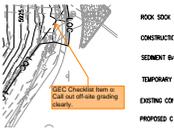
**Subject:** SW - Textbox with Arrow  
**Page Label:** [2] 2 GESC - NOTES  
**Author:** Mikayla Hartford  
**Date:** 6/20/2023 9:13:17 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Update the SWMP date



**Subject:** SW - Textbox with Arrow  
**Page Label:** [3] 3 GESC - INITIAL  
**Author:** Mikayla Hartford  
**Date:** 6/20/2023 10:51:05 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

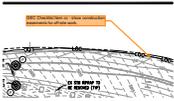
GEC Checklist Item n: Identify and protect areas outside of the construction site boundary with exist fencing, construction fencing or other methods as appropriate



ROCK SOCK  
CONSTRUCTIVE  
SEGMENT B  
TEMPORARY  
EXISTING CO  
PROPOSED C

**Subject:** SW - Textbox with Arrow  
**Page Label:** [5] 5 GESC - INTERIM  
**Author:** Mikayla Hartford  
**Date:** 6/20/2023 10:52:09 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

GEC Checklist Item o: Call out off-site grading clearly.



**Subject:** SW - Textbox with Arrow  
**Page Label:** [3] 3 GESC - INITIAL  
**Author:** Mikayla Hartford  
**Date:** 6/20/2023 11:09:18 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

GEC Checklist Item cc - show construction easements for off-site work.



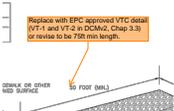
**Subject:** SW - Textbox with Arrow  
**Page Label:** [3] 3 GESC - INITIAL  
**Author:** Mikayla Hartford  
**Date:** 6/20/2023 4:53:38 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Provide details for how "ditch" is to be removed. The drainageway has sever erosion approximately 10-20 feet and is not an existing ditch but an eroded channel. Incorporate information from the geotech report showing clearly how the erosion will be fixed and stabilized.



**Subject:** SW - Textbox with Arrow  
**Page Label:** [4] 4 GESC - INITIAL  
**Author:** Mikayla Hartford  
**Date:** 6/20/2023 11:33:18 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

GEC Checklist Item n: Identify and protect areas outside of the construction site boundary with exist fencing, construction fencing or other methods as appropriate



**Subject:** SW - Textbox with Arrow  
**Page Label:** [9] 9 GESC - DETAILS  
**Author:** Mikayla Hartford  
**Date:** 6/20/2023 11:41:18 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Replace with EPC approved VTC detail (VT-1 and VT-2 in DCMv2, Chap 3.3) or revise to be 75ft min length.



**Subject:** SW - Textbox with Arrow  
**Page Label:** [7] 7 GESC - FINAL  
**Author:** Mikayla Hartford  
**Date:** 6/21/2023 3:55:23 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

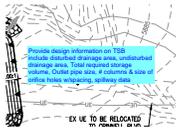
Drainage Report shows a swale here and the swale calcs call for an underdrain - provide grading contours, a typical section, and show the underdrain and how it ties into the storm sewer.



**Subject:** SW - Textbox with Arrow  
**Page Label:** [7] 7 GESC - FINAL  
**Author:** Mikayla Hartford  
**Date:** 6/21/2023 3:55:19 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

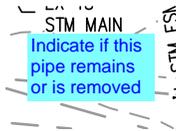
Drainage Report shows a swale here and the swale calcs call for an underdrain - provide grading contours and a typical section.

Text Box (3)



**Subject:** Text Box  
**Page Label:** [3] 3 GESC - INITIAL  
**Author:** CDurham  
**Date:** 6/21/2023 4:52:15 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Provide design information on TSB include disturbed drainage area, undisturbed drainage area, Total required storage volume, Outlet pipe size, # columns & size of orifice holes, spillway data



**Subject:** Text Box  
**Page Label:** [3] 3 GESC - INITIAL  
**Author:** CDurham  
**Date:** 6/21/2023 4:53:08 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Indicate if this pipe remains or is removed



**Subject:** Text Box  
**Page Label:** [5] 5 GESC - INTERIM  
**Author:** CDurham  
**Date:** 6/21/2023 4:58:52 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Provide drainage arrows