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Engineering Answers

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 Environmental Services Dept. Manager

E&A- P2020.056.003

Inspector: Alex Brown		Stage
Project Name:	5Ds Transportation Trucking Terminal IA - 39263 - 38898	1
For Week Ending:	12/18/2021	51501
Project Location:	Southwest of S 29th Street and 21st Avenue in Council Bluffs, IA (Pottawattamie County)	

Grading:	98%			
Sanitary Sewer:	90%			
Storm Sewer:	90%			
Paving:	75%			
Seeding:	0%			
Utilities:	35%			
Overall Development:	40%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	Time	
					Week 1
Sunday	0.00"				
Monday	0.00"				
Tuesday	0.00"	12/14/2021	Mostly Cloudy 57/35	11:05 AM	
Wednesday	0.31"				
Thursday	0.00"				
Friday	0.00"				
Saturday	0.00"				

Complaints:	None
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Construction Sequencing:
 Which portion(s) (i.e. drainage basins) of the site have had a temporary or permanent cessation of grading, earthwork, or ground disturbance in the last 14 days?
 Rough grading began on site (6/29/21). Began shaping PCSMP basin (7/20/21). Sanitary installation began on site (8/24/21). Paving on southern part of the site (9/21/21). Storm sewer installation began on site (9/28/21). **Grading and sidewalk installation (12/14/21).**

Which portion(s) (i.e. drainage basins) of the site do not have grading, earthwork, or ground disturbance scheduled in the next 14 days?
 Rough grading began on site (6/29/21). Began shaping PCSMP basin (7/20/21). Sanitary installation began on site (8/24/21). Paving on southern part of the site (9/21/21). Storm sewer installation began on site (9/28/21). **Grading and sidewalk installation (12/14/21).**

What temporary or permanent stabilization measures listed in this section are being implemented?
 Existing vegetation (6/29/21).

Checklist Questions:

Are receiving waters adjacent to the project free of any significant signs of erosion or sediment that would be associated with the construction activity?
 Yes
 Create Corrective Action?
 N/A

Have disturbed areas been seeded or otherwise stabilized as required? List inactive portions of the project and if stabilization measure are adequate or needed to prevent erosion.
 Yes
 Create Corrective Action?
 N/A

Are waste materials (concrete, construction material, hazardous, etc.) being managed properly?
 Yes
 Create Corrective Action?
 N/A

Are construction entrances and adjacent streets being maintained adequately?
 No
 Create Corrective Action?
 No, see BMP section

Is dust associated with the construction activity adequately controlled on the site?
 Yes
 Create Corrective Action?

N/A

Comments:

Comments:


- 1.) Site was active for building construction and paving during the last inspection.
- 2.) Rich Engdahl began shaping the PCSMP basin on the western portion of the site during the inspection on 7/20/21.

Findings / Corrective Actions (Date):

Findings / Corrective Actions (Date):

- 1.) Some maintenance is required in the BMP section.

Unique Name	Type	Location	Projected Install Date	Status	Maintenance
CE 01	Construction Entrance	J3	7/13/2021	Active	Yes
Current Condition:	Fair Condition - 60% Effective - Rich Engdahl installed the construction entrance on site prior to the inspection on 7/13/21. Rich Engdahl added additional rock to the construction entrance prior to the inspection on 10/05/21. Rich Engdahl removed the construction entrance prior to the inspection on 10/26/21. Rich Engdahl reinstalled the entrance prior to the inspection on 11/16/21. Rich Engdahl began prepping the entrance for paving prior to the inspection on 12/14/21. E&A inspector will continue to monitor. Rock should be added to the construction entrance, or the entrance should be closed off. Rich Engdahl was informed to complete by 11/30/21. Not done as of last inspection.				
CE 02	Construction Entrance	Z7		Removed	
Current Condition:	Removed - Rich Engdahl paved the construction entrance prior to the inspection on 12/14/21.				
CW 01	Concrete Washout	On Site	8/10/2021	Active	No
Current Condition:	Good Condition - Rich Engdahl installed two temporary concrete washouts on site prior to the inspection on 8/10/21. Rich Engdahl cleaned up the concrete waste from around the site and installed a third concrete washout on site prior to the inspection on 9/14/21. Rich Engdahl installed a concrete washout west of the former CE 01 prior to the inspection on 10/26/21. Rich Engdahl removed the full concrete washout and cleaned up the concrete waste prior to the inspection on 11/16/21.				
D 01	Diversion Check	Z6 to Z8		Removed	
Current Condition:	Removed - The diversion check was regraded prior to the inspection on 8/10/21.				
IP 01	Inlet Protection	F13	8/29/2021	Pending	No
Current Condition:	Pending - The inlet filter will be installed once the inlet is installed and the inlet is at or below grade.				
IP 02	Inlet Protection	F3	6/29/2021	Active	No
Current Condition:	Active - This is an existing inlet located off of 21st Avenue. Due to the location of the inlet no BMP recommendation is needed at this time. E&A inspector will continue to monitor.				
IP 03	Inlet Protection	F2	6/29/2021	Active	No
Current Condition:	Active - This is an existing inlet located off of 21st Avenue. Due to the location of the inlet no BMP recommendation is needed at this time. E&A inspector will continue to monitor.				
IP 04	Inlet Protection	M4	8/29/2021	Pending	No
Current Condition:	Pending - Rich Engdahl installed the inlet prior to the inspection on 10/26/21. Due to the area being paved, inlet protection is not recommended at this time. E&A inspector will continue to monitor.				
IP 05	Inlet Protection	P3	6/29/2021	Active	No
Current Condition:	Active - This is an existing inlet located off of 21st Avenue. Due to the location of the inlet no BMP recommendation is needed at this time. E&A inspector will continue to monitor.				
IP 06	Inlet Protection	P2	6/29/2021	Active	No
Current Condition:	Active - This is an existing inlet located off of 21st Avenue. Due to the location of the inlet no BMP recommendation is needed at this time. E&A inspector will continue to monitor.				
IP 07	Inlet Protection	Q4	10/5/2021	Pending	No
Current Condition:	Pending - Rich Engdahl installed the inlet prior to the inspection on 10/05/21. Due to the area being paved, inlet protection is not recommended at this time. E&A inspector will continue to monitor.				
IP 08	Inlet Protection	U4	10/5/2021	Active	No
Current Condition:	Good Condition - Rich Engdahl installed the inlet and inlet protection prior to the inspection on 10/05/21.				
IP 09	Inlet Protection	X3	6/29/2021	Active	No
Current Condition:	Active - This is an existing inlet located off of 21st Avenue. Due to the location of the inlet no BMP recommendation is needed at this time. E&A inspector will continue to monitor.				
IP 10	Inlet Protection	X2	6/29/2021	Active	No
Current Condition:	Active - This is an existing inlet located off of 21st Avenue. Due to the location of the inlet no BMP recommendation is needed at this time. E&A inspector will continue to monitor.				
IP 11	Inlet Protection	Y6	10/5/2021	Active	No
Current Condition:	Good Condition - Rich Engdahl installed the inlet and inlet protection prior to the inspection on 10/05/21.				
IP 12	Inlet Protection	Y7	10/5/2021	Pending	No
Current Condition:	Pending - Rich Engdahl installed the inlet and inlet protection prior to the inspection on 10/05/21. Rich Engdahl removed the inlet protection prior to the inspection on 11/23/21. Due to the area being paved, reinstallation is not recommended at this time. E&A inspector will continue to monitor.				
IP 13	Inlet Protection	Y8	10/5/2021	Pending	No
Current Condition:	Pending - Rich Engdahl installed the inlet and inlet protection prior to the inspection on 10/05/21. Rich Engdahl removed the inlet protection prior to the inspection on 11/23/21. Due to the area being paved, reinstallation is not recommended at this time. E&A inspector will continue to monitor.				
IP 14	Inlet Protection	Y11	10/5/2021	Active	No
Current Condition:	Good Condition - Rich Engdahl installed the inlet and inlet protection prior to the inspection on 10/05/21.				
PB 01	Portable toilet	On Site	7/6/2021	Active	Yes

Current Condition:	Fair Condition - Rich Engdahl installed/secured a portable toilet adjacent to CE 01 prior to the inspection on 7/6/21. Rich Engdahl relocated the portable toilet just south of CE 2 prior to the inspection on 11/23/21. The portable toilet should be relocated 50 feet from any inlet and secured. Rich Engdahl was informed to complete by 11/30/21. Not done as of last inspection.				
SF 01 - SF 06	Silt Fence	G3 to B15		Removed	
Current Condition:	Removed - The city inspector pre-approved removal of SF 3-6 on 9/23/21. SF 3 and 4 were removed prior to the inspection on 10/05/21. Rich Engdahl removed the remaining section of SF 6 prior to the inspection on 11/30/21. As of 11/30/21, the City has approved silt fence removal in this area for sprinkler installation. Rich Engdahl removed all silt fence prior to the inspection on 12/14/21.				
SF 07 - SF 12	Silt Fence	B16 to P12	6/29/2021	Active	No
Current Condition:	Good Condition - Rich Engdahl installed SF 07 to SF 12 prior to the inspection on 6/29/21. Rich Engdahl was observed actively working in the area where SF 12 was damaged during the 9/14/21 inspection. E&A inspector will continue to monitor. Rich Engdahl reinstalled/repared SF 11 where damaged by utility work prior to the inspection on 9/14/21. Minor damage was observed to SF 7 south of the PCSMP basin prior to the inspection on 10/05/21. E&A inspector will monitor and make recommendations as necessary. Rich Engdahl informed the E&A inspector that equipment and space constraints prevent SF 12 from being repaired. Due to these constraints and completion of paving in the area, the recommendation has been modified, but the same reminder dates apply. As of 11/30/21, the City has approved silt fence removal in this area. Rich Engdahl removed a majority of SF 7 - 12 prior to the inspection on 12/7/21. E&A inspector will continue to monitor for removal and clean up of silt fence remnants.				
SF 13 - SF 17	Silt Fence	S12 to Z5	6/29/2021	Active	No
Current Condition:	Good Condition - Rich Engdahl installed SF 13 to SF 17 prior to the inspection on 6/29/21. Rich Engdahl informed the E&A inspector that equipment and space constraints prevent SF 13 / SF 14 from being repaired. Due to these constraints and completion of paving in the area, the recommendation has been modified, but the same reminder dates apply. A small section of SF 16 south of CE 2 was removed during sewer installation prior to the inspection on 11/8/21. Due to active work in the area, reinstallation is not recommended at this time. E&A inspector will continue to monitor. As of 11/30/21, the City has approved silt fence removal in this area. Rich Engdahl removed SF 13 and SF 14 prior to the inspection on 12/7/21.				
SF 18 - SF 22	Silt Fence	Z3 to K3	6/29/2021	Active	No
Current Condition:	Good Condition - Rich Engdahl installed SF 18 to SF 22 prior to the inspection on 6/29/21. Rich Engdahl reinstalled/repared the silt fence where damaged by utility work prior to the inspection on 9/14/21. Rich Engdahl removed a small portion of SF 18 prior to the inspection on 10/19/21. Rich Engdahl reinstalled the removed portion of SF 18 prior to the inspection on 11/16/21. As of 11/30/21, the City has approved silt fence removal in this area for sprinkler installation. Rich Engdahl removed silt fence posts from SF 18 - 22 prior to the inspection on 12/14/21. E&A inspector will continue to monitor for removal and clean up of silt fence fragments.				
STR	Streets	On Site	6/29/2021	Active	No
Current Condition:	Good Condition - Rich Engdahl cleaned up the trackout on 21st Ave. prior to the inspection on 9/7/21. Rich Engdahl cleaned up trackout around CE 1 prior to the inspection on 10/12/21. Rick Engdahl cleaned up trackout around CE 02 prior to the inspection on 11/2/21. Minor sedimentation was observed around CE 1 during the 12/14/21 inspection. Due to active work on the entrance, street cleaning is not recommended at this time. E&A inspector will continue to monitor.				
SWPPP Sign 01	SWPPP Signs	Adjacent to CE 1	8/3/2021	Active	No
Current Condition:	Good Condition - The E&A inspector installed the SWPPP sign adjacent to CE 01 during the inspection on 8/3/21.				
Certification Statement	"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fines and imprisonment for knowing violations."				
Inspector Signature:				Reviewed By: 