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Engineering Answers

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 Environmental Services Dept. Manager

E&A - P2018.228.001
Bill SID as of 2/17/22 P2018.228.000

Inspector: Jason Brackett		Stage
Project Name:	Seventy Two Place PAP-20200624-5346-GP1 CSW-202004796	1
For Week Ending:	9/10/2022	
Project Location:	12101 S 72nd St, Papillion, Sarpy County, NE	68046

Grading:	75%			
Sanitary Sewer:	100%			
Storm Sewer:	95%			
Paving:	75%			
Seeding:	50%			
Utilities:	35%			
Overall Development:	42%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	Time	
					Week 1
Sunday:	0.00"				
Monday:	0.00"				
Tuesday:	0.00"				
Wednesday:	0.00"	9/7/2022	Sunny 86/64	3:05 PM	
Thursday:	0.00"				
Friday:	0.00"				
Saturday:	0.68"				

Complaints:

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 (6/15/21). Excavation for sanitary installation (9/28/21). Grading ceased due to winter conditions (1/5/22). Excavation for utility connections along 72nd (2/8/22). Grading for roadways (6/9/22).

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 (6/15/21). Excavation for sanitary installation (9/28/21). Grading ceased due to winter conditions (1/5/22). Excavation for utility connections along 72nd (2/8/22). Grading for roadways (6/9/22).

What temporary or permanent stabilization measures listed in this section are being implemented?
 Existing vegetation (6/15/21). Disking/seeding east side of site (7/8/22).

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.
 No
 Create Corrective Action?
 No, see Findings section.

Are waste materials (concrete, construction material, hazardous, etc.) being managed properly?
 No
 Create Corrective Action?
 No, see BMPs section.

Are construction entrances and adjacent streets being maintained adequately?
 Yes
 Create Corrective Action?

N/A					
Is dust associated with the construction activity adequately controlled on the site?					
Yes					
Create Corrective Action?					
N/A					
Comments:					
Comments:					
The site was active during the most recent inspection.					
Lot 5 and 6 Replat 1 have been removed from this SWPPP and are covered by PAP-20220310-6351-GP1.					
Findings / Corrective Actions (Date):					
Findings / Corrective Actions (Date):					
1) Some maintenance is required in the BMP section of this report.					
2) Inactive areas of the site need to be stabilized. This is a secondary recommendation to the EM called out in the BMP section below. Gene Graves/DEJ were informed to complete by 5/10/22. Not done as of the last inspection. Gene Graves/DEJ were reminded on 5/27/22, 6/10/22. DEJ began seeding during the 7/8/22 inspection. All inactive areas of the site have been seeded as of the 8/29/22 inspection. Remaining areas to be stabilized include interior ROWs, Ponderosa Culvert, and 72nd Street ROW. Stabilization of these areas will begin once ground disturbing activities are complete.					
Unique Name	Type	Location	Projected Install Date	Status	Maintenance
CE 1	Construction Entrance	Schram Road		Removed	
Current Condition:	Removed - The entrance will no longer be used as of the 8/29/22 inspection due to the completion of the Schram Road connection.				
D 1	Diversion	E of SB C	11/12/2021	Active	No
Current Condition:	Good Condition - DEJ installed the diversion prior to the 11/12/21 inspection. Sudbeck was in the process of cleaning out the diversion during the 6/30/22 inspection. Sudbeck maintained the diversion prior to the 7/8/22 inspection. The diversion was removed at the S 70th stub prior to the 8/29/22 inspection, the inspector will monitor the need for reinstallation.				
D 2	Diversion	S of SB D		Removed	
Current Condition:	Removed - The area where the diversions are located are now covered by PAP-20220310-6351-GP1.				
D 3	Diversion	N of SB D	5/26/2022	Active	Yes
Current Condition:	Fair Condition - DEJ partially installed the diversion prior to the 5/26/22 inspection. Due to paving along Schram, the diversion is no longer recommended for extension to the toe of the Schram slope as of the 6/30/22 inspection. The diversion needs to be cleaned out and redefined. DEJ/Gene Graves were informed to complete by 6/1/22. Not done as of the last inspection. DEJ/Gene Graves were reminded on 6/10/22. Recommendations have temporarily ceased as of the 7/28/22 inspection due to active grading in the area. Stockpiles have been placed in the area of the diversions as of the 8/29/22 inspection, the inspector has inquired who is responsible for the stockpiles.				
D 4	Diversion	E and SB B	7/8/2022	Active	No
Current Condition:	Good Condition - Sudbeck installed the diversion prior to the 7/8/22 inspection.				
D 5	Diversion	Northwest Perimeter		Removed	
Current Condition:	Removed - The diversion is not needed due to existing contours as of the 5/3/22 inspection.				
D 6	Diversion	Western Perimeter	1/18/2022	Active	No
Current Condition:	Good Condition - A portion of the diversion appears to have been installed in the northwest corner of the site prior to the 1/18/22 inspection. As of the 5/3/22 inspection, D 6 will represent the swale and dirt berm at the western edge of future Schram Road. DEJ/Gene Graves redirected the gap in the diversion along the swale adjacent to 72nd Street prior to the 5/31/22 inspection.				
ET 1	Erosion Control Terrace	N of SB D		Removed	
Current Condition:	Removed - Due to active paving in the area, the terrace will no longer be installed as of the 7/15/22 inspection.				
ET 2	Erosion Control Terrace	N of SB E		Removed	
Current Condition:	Removed - Due to active paving in the area, the terrace will no longer be installed as of the 7/15/22 inspection.				
ET 3	Erosion Control Terrace	N of SB B		Removed	
Current Condition:	Removed - Due to active paving in the area, the terrace will no longer be installed as of the 7/15/22 inspection.				
ET 4	Erosion Control Terrace	East Central		Removed	
Current Condition:	Removed - Due to active paving in the area, the terrace will no longer be installed as of the 7/15/22 inspection.				
EM 1	Erosion Control Matting	Northwest Side	7/15/2022	Active	No
Current Condition:	Good Condition - Commercial Seeding installed the matting prior to the 7/15/22 inspection.				
EM 2	Erosion Control Matting	North-Central	7/15/2022	Active	No
Current Condition:	Good Condition - Commercial Seeding installed the matting prior to the 7/15/22 inspection.				
EM 3	Erosion Control Matting	Northeast Side	7/15/2022	Active	No
Current Condition:	Good Condition - Commercial Seeding installed the matting prior to the 7/15/22 inspection.				
EM 4	Erosion Control Matting	Southwest Corner	5/31/2021	Pending	No
Current Condition:	Pending - The erosion control matting will be installed within the seeding window when the associated area reaches final grade. Stabilization will be recommended following completion of the culvert work in the area as of the 5/3/22 inspection.				
EM 5	Erosion Control Matting	West Side	5/31/2021	Pending	No
Current Condition:	Pending - The erosion control matting will be installed within the seeding window when the associated area reaches final grade. A water main extension project in the area will begin soon as of the 5/3/22 inspection, therefore, recommendations for matting in the area will be temporarily halted until work is complete. Seeding of the slope is still recommended as of the 5/3/22 inspection. Water main installation is active on site as of the 8/29/22 inspection, water contractor will be seeding and matting the area when installation is complete.				
FT 1	Fuel Tank	SW Corner		Removed	
Current Condition:	Removed - DEJ removed the fuel tank prior to the 7/15/22 inspection.				

FT 2	Fuel Tank	Material Storage Area		Removed	
Current Condition:	Removed - TAB removed the fuel tank prior to the 4/7/22 inspection.				
FT 3	Fuel Tank	Material Storage Area	12/21/2021	Active	No
Current Condition:	Good Condition - RPL installed a double walled fuel tank on site prior to the 12/21/21 inspection.				
FT 4	Fuel Tank	Material Storage Area		Removed	
Current Condition:	Removed - The fuel tank was removed prior to the 5/18/22 inspection.				
FT 5	Fuel Tank	Material Storage Area		Removed	
Current Condition:	Removed - The fuel tank was removed prior to the 7/8/22 inspection.				
FT 6	Fuel Tank	On Site	8/29/2022	Active	No
Current Condition:	Good Condition - Kersten installed a double walled fuel tank on site prior to the 8/29/22 inspection.				
MS 1	Material Storage	On Site	9/14/2021	Active	No
Current Condition:	Good Condition - Material storage is primarily located along the west side of the site as of the 9/14/21 inspection. DEJ cleaned up the stained soils prior to the 9/28/21 inspection. Material storage for paving is primarily located along the southeast side of the site as of the 6/9/22 inspection.				
PB X	Portable Bathroom	On Site	5/31/2022	Active	No
Current Condition:	Good Condition - RPL reinstalled a portable toilet on site prior to the 5/31/22 inspection. Kersten installed an additional portable toilet on site prior to the 8/29/22 inspection.				
SB A	Sediment Basin	X24	5/11/2022	Active	Yes
Current Condition:	<p>Fair Condition - 41% - The basin was partially dug out prior to the 12/1/21 inspection. The basin outfall pipe and rip rap appears to have been installed prior to the 4/13/22 inspection. The riser was installed prior to the 5/11/22 inspection. The basin was reshaped prior to the 5/26/22 inspection. The E&A inspector painted the cleanout mark on 5/23/22.</p> <p>The basin should be installed (baffle).</p> <p>DEJ was informed to complete by 9/7/21. Not done as of the last inspection. DEJ/Gene Graves were reminded on 10/15/21, 10/21/21, 10/29/21, 12/2/21, 2/11/22, 3/24/22, 5/5/22, 5/27/22, 6/10/22.</p>				
SB B	Sediment Basin	O24	5/18/2022	Active	Yes
Current Condition:	<p>Fair Condition - 32% Filled - The basin had been partially dug out prior to the 9/14/21 inspection by DEJ, the inspector will continue to monitor. The basin outfall pipe and rip rap appears to have been installed prior to the 4/13/22 inspection. The riser was in the process of being installed during the 4/21/22 inspection. Dewatering holes appear to have been installed in the riser prior to the 5/18/22 inspection. The E&A inspector painted the cleanout mark on 5/23/22.</p> <p>The basin should be installed (baffle).</p> <p>DEJ was informed to complete by 9/7/21. Not done as of the last inspection. DEJ/Gene Graves were reminded on 10/15/21, 10/21/21, 10/29/21, 12/2/21, 2/11/22, 3/24/22, 5/5/22, 5/27/22, 6/10/22.</p>				
SB C	Sediment Basin	H24	5/18/2022	Active	Yes
Current Condition:	<p>Fair Condition - 32% Filled - The basin was dug out prior to the 11/12/21 inspection. The basin outfall pipe and rip rap appears to have been installed prior to the 4/13/22 inspection. The riser was in the process of being installed during the 4/21/22 inspection. Dewatering holes appear to have been installed in the riser prior to the 5/18/22 inspection. The E&A inspector painted the cleanout mark on 5/23/22.</p> <p>The basin should be installed (baffle).</p> <p>DEJ was informed to complete by 9/7/21. Not done as of the last inspection. DEJ/Gene Graves were reminded on 10/15/21, 10/21/21, 10/29/21, 12/2/21, 2/11/22, 3/24/22, 5/5/22, 5/27/22, 6/10/22.</p>				
SB D	Sediment Basin	H22	5/18/2022	Active	Yes
Current Condition:	<p>Fair Condition - 46% Filled - The basin was in the process of being dug out during the 11/4/21 inspection. The basin outfall pipe and rip rap appears to have been installed prior to the 4/13/22 inspection. The riser was in the process of being installed during the 4/21/22 inspection. The old area inlet was removed prior to the 4/21/22 inspection. Dewatering holes appear to have been installed in the riser prior to the 5/18/22 inspection.</p> <p>Due to ground disturbance in the area, the basin should be installed (baffle, cleanout mark, correct contours/depth).</p> <p>DEJ/Gene Graves were informed to complete by 11/2/21. Not done as of the last inspection. DEJ/Gene Graves were reminded on 12/2/21, 2/11/22, 3/24/22, 5/5/22, 5/27/22, 6/10/22. *Survey to check basin installation elevations as of 6/9/22. Basin elevations incorrect per E&A survey prior to the 7/28/22 inspection.</p>				
SB E	Sediment Basin	D19	5/3/2022	Active	No
Current Condition:	Good Condition - 7% Filled - The basin was partially dug out prior to the 12/1/21 inspection. DEJ installed the riser prior to the 5/3/22 inspection. The E&A inspector painted the cleanout mark on 5/23/22.				
SF 1	Silt fence	Northern/Western Perimeter	5/18/2021	Active	Yes

Current Condition:	<p>Fair Condition - The developer installed the silt fence prior to the 5/18/21 inspection. A diversion berm appears to have been intentionally built in the northern section of the run prior to the 1/18/22 inspection, extending the silt fence is still recommended. Sudbeck installed wattles as an extension of the silt fence to the north prior to the 2/2/22 inspection. Sudbeck began silt fence maintenance prior to the 4/1/22 inspection. Sudbeck extended the silt fence to the south along the north side of the entrance prior to the 4/7/22 inspection. TAB repaired/reinstalled the silt fence along 72nd Street prior to the 4/7/22 inspection. Gene Graves repaired the silt fence along the north side of the construction entrance prior to the 5/26/22 inspection. The silt fence was removed in multiple locations, including southwest of SB D, for water installation prior to the 6/24/22 inspection, the inspector will monitor for removal. The water contractor repaired the eroded areas southwest of SB D prior to the 6/24/22 inspection. The water contractor removed the silt fence where damaged adjacent to the construction entrance and NW of SB D prior to the 6/30/22 inspection, BMPs will be installed after testing. Sudbeck installed silt fence around the flared end section of SB D prior to the 7/8/22 inspection.</p> <p>1.) Additional silt fence should be installed adjacent to the wattles in the north section of the run. 2.) Silt fence should be installed at the north side of Schram. 3.) The silt fence should be repaired/extended in areas where the 72nd Street slope discharges to the west.</p> <p>1.) Gene Graves was informed to complete by 5/10/22. Not done as of the last inspection. Gene Graves was reminded on 5/19/22, 6/10/22, 8/31/22. 2.) Gene Graves was informed to complete by 9/5/22. Not done as of the last inspection. 3.) Gene Graves was informed to complete by 9/5/22. Not done as of the last inspection.</p>				
SF 2	Silt fence	Northeastern Perimeter	5/25/2021	Active	Yes
Current Condition:	<p>Fair Condition - The developer installed the silt fence prior to the 5/25/21 inspection. Sudbeck maintained the silt fence prior to the 6/30/22 inspection.</p> <p>The silt fence needs to be reinforced in one location in the northeast corner of the site.</p> <p>Gene Graves was informed to complete by 9/5/22. Not done as of the last inspection.</p>				
SF 3	Silt fence	Southeast Corner	5/25/2021	Active	No
Current Condition:	<p>Good Condition - The developer installed the silt fence prior to the 5/25/21 inspection. The silt fence was partially removed for installation of the SB A outfall pipe prior to the 4/7/22 inspection. Sudbeck maintained the silt fence prior to the 6/30/22 inspection.</p>				
SF 4	Silt fence	Southwest Perimeter	5/18/2021	Active	Yes
Current Condition:	<p>Fair Condition - The developer installed the silt fence prior to the 5/18/21 inspection. Gene Graves installed silt fence around the Ponderosa Drive connection prior to the 10/13/21 inspection. Excavation spoils from sanitary excavation in the area of Ponderosa Drive damaged a small portion of the silt fence prior to the 1/18/22 inspection, the inspector will recommend repair when work is complete. Sanitary excavation around Ponderosa Drive appears to be complete as of the 2/2/22 inspection, maintenance in the area is now included below. Sudbeck began silt fence maintenance prior to the 4/1/22 inspection. Sudbeck complete the majority of the maintenance and reinstallation of the silt fence prior to the 4/7/22 inspection. Sudbeck installed high porosity silt fence checks in the flow line of the swale prior to the 4/7/22 inspection. The silt fence was partially removed at the future Ponderosa entrance along 72nd Street for storm sewer work prior to the 5/18/22 inspection, due to imminent paving, reinstallation will not be recommended. Sudbeck maintained the silt fence around the culvert/Ponderosa Drive prior to the 6/24/22 inspection. Sudbeck maintained the silt fence prior to the 6/30/22 inspection.</p> <p>The silt fence around the Ponderosa culvert needs to be maintained or the area needs to be stabilized.</p> <p>Gene Graves was informed to complete by 9/5/22. Plans are in process for RPL to seed/mat the slopes as of 9/1/22, silt fence maintenance is on hold.</p>				
STR	Streets	S 72nd Street	5/18/2021	Active	No
Current Condition:	<p>Good Condition - The streets were cleaned prior to the 5/31/22 inspection. Minor silt was observed in the curb line along 72nd Street during the 6/9/22 inspection, the inspector will monitor.</p>				
SW 1	Straw Wattles	72nd ROW	7/8/2022	Active	No
Current Condition:	<p>Good Condition - Kersten installed wattles along the 72nd St. ROW prior to the 7/8/22 inspection.</p>				
SWPPP Sign	Misc/Other	S 72nd and Schram	5/18/2021	Active	No
Current Condition:	<p>Good Condition - The E&A inspector installed the SWPPP sign in the southwest corner of the property during the 5/18/21 inspection.</p>				
WO 1	Concrete Washout	On Site	6/9/2022	Active	Yes
Current Condition:	<p>Fair Condition - Kersten installed a washout pit prior to the 6/9/22 inspection. Paving appears to be complete as of the 8/29/22 inspection.</p> <p>Concrete waste piles should be cleaned up.</p> <p>The E&A construction observer was informed on 6/10/22. Not done as of the last inspection.</p>				
WS 1	Waste Storage	On Site		Removed	
Current Condition:	<p>Removed - Waste storage of concrete, construction materials, portable toilets are covered under separate BMPs in the BMP section.</p>				
Certification Statement:	<p>"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."</p>				

Inspector Signature: *[Handwritten Signature]*

Reviewed By: *[Handwritten Signature]*