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**E & A CONSULTING GROUP, INC.**

*Engineering Answers*

Zachary A. Jilek, CPESC, CISEC  
 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:	<b>Seventy Two Place</b> <b>PAP-20200624-5346-GP1</b> <b>CSW-202004796</b>	1
For Week Ending:	<b>6/18/2022</b>	
Project Location:	12101 S 72nd St, Papillion, Sarpy County, NE	<b>68046</b>

Grading:	75%			
Sanitary Sewer:	90%			
Storm Sewer:	65%			
Paving:	8%			
Seeding:	0%			
Utilities:	0%			
Overall Development:	30%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	Time	
					<b>Week 1</b>
Sunday:	0.00"				
Monday:	0.00"	6/13/2022	Mostly Sunny 100/78	1:40 PM	
Tuesday:	0.00"				
Wednesday:	1.20"	6/15/2022	Cloudy 77/62	2:05 PM	
Thursday:	0.01"				
Friday:	0.09"				
Saturday:	0.00"				

**Complaints:** A complaint was received from Mike Kleffner with the City of Papillion regarding silt getting into the culvert under 72nd Street. Members of the SWPPP team met on site on 6/10/22. SWPPP Maintenance will be addressed ASAP and not later than 14-days to prevent further discharge.

**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).

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

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?  
 No  
 Create Corrective Action?

No, see BMPs section.

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

Create Corrective Action?  
N/A

Comments:  
Comments:  
The site was **inactive** during the most recent inspection.


Findings / Corrective Actions (Date):  
Findings / Corrective Actions (Date):  
1) Some maintenance is required in the BMP section of this report.  
2) Sediment that has washed out beyond the property boundary at the Ponderosa Drive (East and West) culvert needs to be cleaned up and the upgradient area needs to be stabilized. 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, 4/29/22, 5/5/22, 5/19/22, 6/10/22.  
3) Off-site accumulation of sediment along the northeast side of the site should be cleaned up and the area restabilized (unless the area will be farmed). Gene Graves was informed to complete by 2/15/22. Not done as of the last inspection. Gene Graves was reminded on 3/24/22, 4/29/22, 5/5/22, 5/19/22, 6/10/22.  
4) 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.

Unique Name	Type	Location	Projected Install Date	Status	Maintenance
CE 1	Construction Entrance	Schram Road	7/8/2021	Active	Yes
Current Condition:	Fair Condition - 50% Effective - An old farm entrance is in use on site as of the 7/8/21 inspection. DEJ added rock to the entrance prior to the 1/13/22 inspection. Sudbeck reinstalled the entrance prior to the 4/1/22 inspection.  More rock is needed at the entrance.  Gene Graves was informed to complete by 6/16/22. <b>Not done as of the last inspection.</b>				
D 1	Diversion	E of SB C	11/12/2021	Active	Yes
Current Condition:	Fair Condition - DEJ installed the diversion prior to the 11/12/21 inspection.  The diversion should be cleaned out/redefined.  DEJ/Gene Graves were informed to complete by 12/8/21. Not done as of the last inspection. DEJ/Gene Graves were reminded on 2/11/22, 3/24/22, 5/5/22, 5/19/22, 6/10/22.				
D 2	Diversion	S of SB D	5/26/2022	Active	Yes
Current Condition:	Fair Condition - DEJ installed the diversion prior to the 5/26/22 inspection.  Additional diversions should be built in the area with SB D to divert the water along the contours to the basin (while avoiding the stockpiles on site).  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, 6/10/22.				
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.  1.) The diversion should be extended across future Schram Road to the toe of the adjoining slope. 2.) The diversion needs to be cleaned out and redefined.  1.) 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. 2.) 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.				
D 4	Diversion	E and SB B	9/7/2021	Pending	Yes
Current Condition:	Pending -  The diversion should be installed.  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.				
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	5/31/2021	Pending	Yes

Current Condition:	Pending - The terrace should be installed when the area reaches final grade. The terrace should be extended across future Schram Road to the toe of the adjoining slope. As of 6/9/22, the terrace will not be installed on the Vestara Apartments lot. 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.				
ET 2	Erosion Control Terrace	N of SB E	5/31/2021	Pending	Yes
Current Condition:	Pending - The terrace should be installed when the area reaches final grade. The terrace should be extended across future Schram Road to the toe of the adjoining slope. As of 6/9/22, the terrace will not be installed on the Vestara Apartments lot. 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.				
ET 3	Erosion Control Terrace	N of SB B	5/31/2021	Pending	Yes
Current Condition:	Pending - The terrace should be installed. 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.				
ET 4	Erosion Control Terrace	East Central	5/31/2021	Pending	Yes
Current Condition:	Pending - The terrace should be installed. *Due to paving as of the 6/9/22 inspection, the terrace is recommended only on either side of S 67th Avenue. 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.				
EM 1	Erosion Control Matting	Northwest Side	5/31/2021	Pending	Yes
Current Condition:	Pending - The slope should be seeded/matted when at final grade. 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.				
EM 2	Erosion Control Matting	North-Central	5/31/2021	Pending	Yes
Current Condition:	Pending - The slope should be seeded/matted when at final grade. 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.				
EM 3	Erosion Control Matting	Northeast Side	5/31/2021	Pending	Yes
Current Condition:	Pending - The slope should be stabilized ASAP when work allows. Gene Graves/DEJ were informed on 2/11/22. Not done as of the last inspection. Gene Graves/DEJ was reminded on 3/24/22, 5/5/22, 5/27/22, 6/10/22.				
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.				
FT 1	Fuel Tank	SW Corner	5/18/2021	Active	Yes
Current Condition:	Fair Condition - DEJ installed a fuel tank on-site prior to the 5/18/21 inspection. DEJ installed a berm around the tank prior to the 9/7/21 inspection. DEJ removed the pallet prior to the 6/9/22 inspection, soils still need to be cleaned up. 1.) The berm needs to be rebuilt on the south side of the fuel tank. 2.) The stained soils need to be cleaned up and removed. 1.) 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. 2.) 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.				
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	6/9/2022	Active	Yes
Current Condition:	Fair Condition - An unidentified contractor installed a fuel tank on site prior to the 6/9/22 inspection. The fuel tank needs secondary containment. The E&A construction observer was informed on 6/10/22. <b>Not done as of the last inspection.</b>				
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.				
SB A	Sediment Basin	X24	5/11/2022	Active	Yes
Current Condition:	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. The basin should be installed (baffle). 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.				
SB B	Sediment Basin	O24	5/18/2022	Active	Yes
Current Condition:	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. The basin should be installed (baffle). 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.				
SB C	Sediment Basin	H24	5/18/2022	Active	Yes
Current Condition:	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. The basin should be installed (baffle). 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.				
SB D	Sediment Basin	H22	5/18/2022	Active	Yes
Current Condition:	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. Due to ground disturbance in the area, the basin should be installed (baffle, cleanout mark, correct contours/depth). 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.				
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.</p> <p>1.) Silt fence should be installed over the flared end sections at the area inlet outfall west of SB D.  2.) The silt fence should be cleaned out southwest of SB D.  3.) Additional silt fence should be installed adjacent to the wattles in the north section of the run.  4.) The silt fence needs to be repaired adjacent to the construction entrance.  5.) The silt fence needs to be repaired NW of SB D.  6.) Eroded areas southwest of SB D should be repaired and stabilized and the silt fence should be maintained.</p> <p>1.) DEJ/Gene Graves were informed to complete by 12/8/21. Not done as of the last inspection. DEJ/Gene Graves were reminded on 2/11/22, 3/24/22, 4/29/22, 5/5/22, 5/19/22, 6/10/22.  2.) 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.  3.) 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.  4.) Gene Graves was informed to complete by 6/16/22. <b>Not done as of the last inspection.</b>  5.) Gene Graves was informed to complete by 6/16/22. <b>Not done as of the last inspection.</b>  6.) Gene Graves was informed to complete by 6/16/22. <b>Not done as of the last inspection.</b></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.</p> <p>1.) The silt fence is damaged/full at Y12 and needs to be maintained.  2.) The silt fence is damaged in multiple locations and needs to be repaired.</p> <p>1.) DEJ was informed to complete by 7/17/21. Not done as of the last inspection. DEJ/Gene Graves were reminded on 8/27/21, 9/2/21, 10/15/21, 10/21/21, 10/29/21, 12/2/21, 2/11/22, 3/24/22, 4/29/22, 5/5/22, 5/19/22, 6/10/22.  2.) DEJ was informed to complete by 7/17/21. Not done as of the last inspection. DEJ/Gene Graves were reminded on 8/27/21, 9/2/21, 10/15/21, 10/21/21, 10/29/21, 12/2/21, 2/11/22, 3/24/22, 4/29/22, 5/5/22, 5/19/22, 6/10/22.</p>				
SF 3	Silt fence	Southeast Corner	5/25/2021	Active	Yes
Current Condition:	<p>Fair 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.</p> <p>Silt fence needs to be repaired in multiple locations and extended over the SB A outfall pipe.</p> <p>DEJ/Gene Graves were informed to complete by 10/27/21. Not done as of the last inspection. DEJ/Gene Graves were reminded on 10/29/21, 12/2/21, 2/11/22, 3/24/22, 4/29/22, 5/5/22, 5/19/22, 6/10/22.</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.</p> <p>1.) The silt fence needs to be backfilled, cleaned out, and repaired in multiple locations south and east of SB C as well as adjacent to the culvert construction when work allows.  2.) The silt fence should be adjusted and additional silt fence checks installed upgradient of the box culvert once the temporary pipe is removed.  3.) Silt fence should be installed upgradient of the SB C and SB B outfall to prevent inundating the rip rap with silt.  4.) High porosity checks should be cleaned out/repaired.</p> <p>1.) 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, 4/29/22, 5/5/22, 5/19/22, 6/10/22.  2.) Gene Graves was informed on 5/5/22. Not done as of the last inspection. Gene Graves was reminded on 5/19/22, 6/10/22.  3.) 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.  4.) Gene Graves was informed to complete by 5/25/22. Not done as of the last inspection. Gene Graves was reminded on 6/10/22.</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>				
SWPPP Sign	Misc/Other	S 72nd and Schram	5/18/2021	Active	No
Current Condition:	<p>Good Condition - The E&amp;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.</p> <p>1.) A liner should be installed in the pit. 2.) Concrete waste piles should be cleaned up.</p> <p>1.) The E&amp;A construction observer was informed on 6/10/22. <b>Not done as of the last inspection.</b> 2.) The E&amp;A construction observer was informed on 6/10/22. <b>Not done as of the last inspection.</b></p>				
WS 1	Waste Storage	On Site	5/31/2021	Pending	No
Current Condition:	Pending - Waste will be contained on site and in proper containment vessels.				
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:				Reviewed By:	