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E & A CONSULTING GROUP, INC.

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:	3/25/2023	
Project Location:	12101 S 72nd St, Papillion, Sarpy County, NE	68046

Grading:	75%			
Sanitary Sewer:	100%			
Storm Sewer:	95%			
Paving:	75%			
Seeding:	50%			
Utilities:	75%			
Overall Development:	43%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	Time	
					Week 1
Sunday:	0.00"				
Monday:	0.00"				
Tuesday:	0.00"				
Wednesday:	0.01"				
Thursday:	0.00"	3/23/2023	Cloudy 42/32	12:35 PM	
Friday:	0.00"				
Saturday:	0.00"				

Complaints: None.

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). Lot 3 Replat 1 and Lot 4 Replat 1 scraping (11/2/22). Riprap installation and regrading at S 70th Street stub (11/2/22). Swale and ROW along Ponderosa connection finish graded (11/4/22). Swale and ROW along Ponderosa grading ceased (12/1/22).

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). Lot 3 Replat 1 and Lot 4 Replat 1 scraping (11/2/22). Riprap installation and regrading at S 70th Street stub (11/2/22). Swale and ROW along Ponderosa connection finish graded (11/4/22). Swale and ROW along Ponderosa grading ceased (12/1/22).

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). Lot 1, 2, 3 - seeded (11/10/22). Seeding and matting swale and ROW along Ponderosa and Schram/72nd medians and ROWs (12/8/22).

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?

Yes, see Findings 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. 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) Disturbed and inactive areas of the site should be seeded. Gene Graves was informed to complete between April 15th and May 15th in the seeding window. Not done as of the last inspection. Gene Graves was reminded on 3/24/23.					
3) Erosion should be repaired and stabilized in the northeast corner of the site. Gene Graves was informed to complete between April 15th and May 15th in the seeding window. Not done as of the last inspection. Gene Graves was reminded on 3/24/23.					
4) 72nd Street slope should be re-graded and seeded and matted. SID to complete between April 1st and May 15th. Not done as of the last inspection. Plans sent to contractors on 3/24/23.					
5) Erosion control matting in the Ponderosa swale should be resecured. SID to complete between April 1st and May 15th in the growing season. Plans sent to contractors on 3/24/23.					
6) Trash and debris needs to be cleaned up along the south side of the site. Gene Graves was informed to complete by 3/30/23.					
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		Removed	
Current Condition:	Removed - The stockpiles were removed prior to the 10/20/20 inspection, the diversion is no longer needed.				
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		Removed	
Current Condition:	Removed - The remaining portions of Schram have been installed as of the 3/23/23 inspection. Recommendations for swale regrading are included in the Findings section of this report.				
D 7	Diversion	Stub to SB A	3/23/2023	Active	No
Current Condition:	Good Condition - Paving contractor installed a diversion from the stub road to SB A prior to the 3/23/23 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. Portions of the slope were re-seeded and matted by Commercial Seeding prior to the 12/8/22 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	12/8/2022	Active	No
Current Condition:	Good Condition - Commercial Seeding installed the seed/mat prior to the 12/8/22 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. Additional finish grading along 72nd Street to be completed in the Spring of 2023, seeding/matting to follow.				
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		Removed	
Current Condition:	Removed - RPL removed the fuel tank prior to the 11/4/22 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		Removed	
Current Condition:	Removed - Kersten removed the fuel tank prior to the 11/4/22 inspection.				
MS 1	Material Storage	On Site		Removed	
Current Condition:	Removed - Civil overlot development is mostly complete, material storage will be addressed on a lot by lot basis as of the 11/4/22 inspection.				
PB X	Portable Bathroom	On Site		Removed	
Current Condition:	Removed - RPL removed the remaining portable toilet from the site prior to the 11/4/22 inspection.				
SB A	Sediment Basin	X24	5/11/2022	Active	Yes
Current Condition:	<p>Fair Condition - 49% - 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>1) The basin should be installed (baffle). 2) The basin should be cleaned out and the slopes seeded/matting. 3) Erosion into the basin should be repaired and stabilized.</p> <p>1) DEJ was informed to complete by 9/7/21. Not done as of the last inspection. 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. SID will complete during basin cleanout as of 3/23/23. 2) The SID is working to identify funding to complete the basin cleanout as of 3/10/23. Not done as of the last inspection. 3) The SID is working to identify funding to complete the basin cleanout as of 3/10/23. Not done as of the last inspection.</p>				
SB B	Sediment Basin	O24	5/18/2022	Active	Yes
Current Condition:	<p>Fair Condition - 49% 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>1) The basin should be installed (baffle). 2) The basin should be cleaned out and the slopes seeded/matting.</p> <p>1) DEJ was informed to complete by 9/7/21. Not done as of the last inspection. 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. SID will complete during basin cleanout as of 3/23/23. 2) The SID is working to identify funding to complete the basin cleanout as of 3/10/23. Not done as of the last inspection.</p>				
SB C	Sediment Basin	H24	5/18/2022	Active	Yes
Current Condition:	<p>Fair Condition - 49% 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>1) The basin should be installed (baffle). 2) The basin should be cleaned out and the slopes seeded/matting.</p> <p>1) DEJ was informed to complete by 9/7/21. Not done as of the last inspection. 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. SID will complete during basin cleanout as of 3/23/23. 2) The SID is working to identify funding to complete the basin cleanout as of 3/10/23. Not done as of the last inspection.</p>				
SB D	Sediment Basin	H22	5/18/2022	Active	Yes

Current Condition:	Fair Condition - 49% 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>1) Due to ground disturbance in the area baffle should be installed.</p> <p>2) The basin should be cleaned out, the correct basin depth should be established, and the slopes seeded/matted.</p> <p>1) DEJ/Gene Graves were informed to complete by 11/2/21. Not done as of the last inspection. 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. SID will complete during basin cleanout as of 3/23/23.</p> <p>2) The SID is working to identify funding to complete the basin cleanout as of 3/10/23. Not done as of the last 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:	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. Sudbeck installed silt fence along the north side of Schram prior to the 9/12/22 inspection. Sudbeck repaired and extended the silt fence along 72nd Street prior to the 9/19/22 inspection. Minor damage to the silt fence at the SB D outfall was observed during the 12/1/22 inspection, grading and stabilization of the 72nd Street ROW will begin in the Spring of 2023. Commercial Seeding repaired/reinstalled the silt fence north of Schram prior to the 12/8/22 inspection.				
	<p>1) The silt fence needs to be cleaned out/repared along 72nd Street.</p> <p>2) The silt fence needs to be cleaned out/repared at the SB D outfall.</p> <p>1) Gene Graves was informed to complete by 3/15/23. Not done as of the last inspection. SID to complete during swale regrading as 3/23/23.</p> <p>2) Gene Graves was informed to complete by 3/15/23. Not done as of the last inspection. SID to complete during swale regrading as 3/23/23.</p>				
SF 2	Silt fence	Northeastern Perimeter	5/25/2021	Active	Yes
Current Condition:	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. Sudbeck reinforced the silt fence with additional posts in the northeast corner of the site.				
	<p>1) The silt fence needs to be repaired in the northeast corner.</p> <p>2) The silt fence can be removed where damaged in upgradient areas.</p> <p>1) Gene Graves was informed to complete by 3/15/23. Not done as of the last inspection. Gene Graves was reminded on 3/24/23.</p> <p>2) Gene Graves was informed to complete by 3/15/23. Not done as of the last inspection. Gene Graves was reminded on 3/24/23.</p>				
SF 3	Silt fence	Southeast Corner	5/25/2021	Active	Yes
Current Condition:	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. Sudbeck maintained the silt fence prior to the 6/30/22 inspection.				
	<p>1) The silt fence needs to be patched at the basin outfall.</p> <p>2) The silt fence can be removed where damaged in upgradient areas.</p> <p>1) Gene Graves was informed to complete by 3/15/23. Not done as of the last inspection. Gene Graves was reminded on 3/24/23.</p> <p>2) Gene Graves was informed to complete by 3/15/23. Not done as of the last inspection. Gene Graves was reminded on 3/24/23.</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. Some of the silt fence was temporarily removed for water installation prior to the 9/27/22 inspection, plans for stabilization are being prepared, reinstallation of the silt fence will not be recommended at this time. The damaged portions of silt fence were removed prior to the 11/4/22 inspection, seeding and matting of the area will occur in mid Nov. 2022. Commercial Seeding reinstalled the silt fence checks in the swale prior to the 12/8/22 inspection and installed perimeter silt fence in the area prior to the 12/8/22 inspection.</p> <p>1) The silt fence needs to be repaired/reinforced in the swale and backfilled where undermined. 2) The silt fence can be removed where damaged in upgradient areas. 3) The silt fence needs to be maintained in multiple locations. 4) Silt fence checks/J-hooks should be installed along the silt fence south and southeast of SB C. 5) Additional silt fence needs to be installed to protect the Ponderosa drainage. 6) The silt fence needs to be cleaned out south of Ponderosa.</p> <p>1) SID will complete with seeding/matting work along 72nd as of 3/10/23. Not done as of the last inspection. Plans sent to contractor on 3/24/23. 2) Gene Graves was informed to complete by 3/15/23. Not done as of the last inspection. Gene Graves was reminded on 3/24/23. 3) Gene Graves was informed to complete by 3/15/23. Not done as of the last inspection. Gene Graves was reminded on 3/24/23. 4) Gene Graves was informed to complete by 3/15/23. Not done as of the last inspection. Gene Graves was reminded on 3/24/23. 5) Gene Graves was informed to complete by 3/15/23. Not done as of the last inspection. SID to complete as of the 3/23/23 inspection. Plans sent to contractor on 3/24/23. 6) Gene Graves was informed to complete by 3/15/23. Not done as of the last inspection. Gene Graves was reminded on 3/24/23.</p>				
SF 5	Silt fence	NW corner of Lot 3 Replat 1	11/4/2022	Active	Yes
Current Condition:	<p>Fair Condition - Sudbeck installed the silt fence prior to the 11/4/22 inspection.</p> <p>The silt fence needs to be repaired and reinforced with additional t-posts.</p> <p>Gene Graves was informed to complete by 3/15/23. Not done as of the last inspection. Gene Graves was reminded on 3/24/23.</p>				
SF 6	Silt fence	NE S 70th and Flint	11/10/2022	Active	No
Current Condition:	<p>Good Condition - Sudbeck installed the silt fence prior to the 11/10/22 inspection. Gene Graves maintained the silt fence prior to the 3/23/23 inspection.</p>				
SF 7	Silt fence	NE S 70th and Stony	11/10/2022	Active	No
Current Condition:	<p>Good Condition - Sudbeck installed the silt fence prior to the 11/10/22 inspection. Gene Graves maintained the silt fence prior to the 3/23/23 inspection.</p>				
SF 8	Silt fence	NW of SB C	12/8/2022	Active	No
Current Condition:	<p>Good Condition - Commercial Seeding installed the silt fence prior to the 12/8/22 inspection.</p>				
SF 9	Silt fence	SW Corner of 72nd and Schram	12/8/2022	Active	Yes
Current Condition:	<p>Fair Condition - Commercial Seeding installed the silt fence prior to the 12/8/22 inspection.</p> <p>The silt fence needs to be repaired.</p> <p>SID will complete with seeding/matting work along 72nd as of 3/10/23. Not done as of the last inspection. Plans sent to contractor on 3/24/23.</p>				
STR	Streets	S 72nd Street	5/18/2021	Active	Yes
Current Condition:	<p>Fair Condition -</p> <p>Interior streets need to be cleaned.</p> <p>Gene Graves was informed to complete by 3/9/23. Not done as of the last inspection. Gene Graves was reminded on 3/24/23.</p>				
SW 1	Straw Wattles	72nd ROW	7/8/2022	Active	No
Current Condition:	<p>Fair Condition - Kersten installed wattles along the 72nd St. ROW prior to the 7/8/22 inspection. Some of the wattles were misplaced prior to the 12/1/22 inspection, grading and stabilization of the 72nd Street ROW will begin in the Spring of 2023. Significant damage to the wattles was observed during the 3/8/23 inspection, wattles will be removed during re-grading of the slope in the Spring of 2023.</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		Removed
Current Condition:	Removed - Sudbeck cleaned up the remaining concrete waste on site prior to the 11/4/22 inspection.			
WS 1	Waste Storage	On Site		Removed
Current Condition:	Removed - Waste storage of concrete, construction materials, portable toilets are covered under separate BMPs in the BMP section.			
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:
				