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E & A CONSULTING GROUP, INC.

Engineering Answers

Zachary A. Jilek, CPESC, CISEC
 Environmental Services Dept. Manager

E&A - P2017.483.001
Bill SID as of 10/27/20 P2017.483.000

Inspector: Bryce Wright		Stage
Project Name:	Windsor East SAR-20191014-5177-GP1 CSW-201904190	1
For Week Ending:	1/22/2022	68136
Project Location:	180th & Giles Road (NE), Sarpy County, NE	

Grading:	90%			
Sanitary Sewer:	90%			
Storm Sewer:	90%			
Paving:	95%			
Seeding:	15%			
Utilities:	85%			
Overall Development:	35%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	Time	
					Week 1
Sunday:	0.00"				
Monday:	0.00"				
Tuesday:	0.00"	1/18/2022	Sunny 47	11:35 AM	
Wednesday:	0.00"				
Thursday:	0.00"				
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 in the eastern portion of the site (4/27/20). Grading began over all portions of the site (7/13/20). Grading on site has ceased due to winter conditions (2/9/21). Paving began all portions of site (4/15/21). Paving completed (6/2/21). Grading and excavation on large western slope (6/24/21). Utility installation began (9/14/21). Home excavation began (12/28/21).

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 in the eastern portion of the site (4/27/20). Grading began over all portions of the site (7/13/20). Grading on site has ceased due to winter conditions (2/9/21). Paving began all portions of site (4/15/21). Paving completed (6/2/21). Grading and excavation on large western slope (6/24/21). Utility installation began (9/14/21). Home excavation began (12/28/21).

What temporary or permanent stabilization measures listed in this section are being implemented?

Existing vegetation (4/27/20). EM 1, 2, 3, and 4 installed (9/22/20). Western portion of GN 9 seeded/matted along Giles Road (9/22/20).

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 BMP 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 BMP and Findings section.

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																																																																																																																							
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Findings / Corrective Actions (Date): 1) Some maintenance is recommended in the BMP section of this report. 2) Areas of the site that will be inactive for 14 days or more need to be stabilized. JC Excavation/Gene Graves were informed to complete by 3/18/21. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 3/16/21, 5/20/21, 6/10/21, 7/9/21, 8/19/21, 9/16/21, 9/27/21 (Per CIR#15091), 10/20/21, 12/2/21 - Nebraska Hydroseeding was met on site on 7/22/21 to plan for seeding of entire site. Western portion of the site is ready for seeding. Rest of site still needs approval to start from Caleb B. of E&A. Nebraska Hydroseeding completed mowing on site on 7/28/21. 3) SF-1 for SAR-20200507-5452-GP2 (Giles Road/180th Street Improvements) was installed along the east side of EM 3 prior to the 8/2/21 inspection. The SF will not be included in this report and is part of the road improvement project. The SF has been marked on the SWPPP map to indicate its location within the temporary road project. This is also consistent with the silt fence wraps installed at ~K12 and the fuel tank at AA12.																																																																																																																							
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EM 2	Erosion Control Matting	See SWPPP Map	9/22/2020	Pending	Yes
Current Condition:	<p>Pending - JC Excavation installed the matting prior to the 9/22/20 inspection. The matting was removed prior to the 10/7/20 inspection.</p> <p>The seeding/matting needs to be reinstalled with the diversion.</p> <p>JC Excavation was informed to complete by 10/13/20. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 1/13/21, 3/5/21, 3/16/21, 4/23/21, 5/20/21, 6/10/21, 7/9/21, 8/19/21, 9/16/21, 9/27/21 (Per CIR#15091), 10/20/21, 12/2/21</p>				
EM 3	Erosion Control Matting	See SWPPP Map	9/22/2020	Active	Yes
Current Condition:	<p>Fair Condition - JC Excavation installed the matting prior to the 9/22/20 inspection. Kersten Construction removed a strip to install storm prior to the inspection on 6/15/21. Hawkins installed silt fence at the base of the hill where matting was removed prior to the inspection on 7/27/21 (see findings section).</p> <p>Matting should be reinstalled where removed from storm installation.</p> <p>MBC was informed to complete by 7/14/21. Not done as of the last inspection. Hawkins Construction installed storm and will be contacted when info is found on their project. Mitch C. of E&A contacted Hawkins and informed them of the maintenance on 7/22/21. As of the 8/2/21 inspection, maintenance will be completed as part of SAR-20200507-5452-GP2.</p>				
EM 4	Erosion Control Matting	See SWPPP Map	9/22/2020	Active	No
Current Condition:	Good Condition - JC Excavation installed the matting prior to the 9/22/20 inspection.				
EM 5	Erosion Control Matting	See SWPPP Map		Removed	
Current Condition:	Removed - The erosion control matting does not appear to be necessary as of the 8/2/21 inspection.				
FT 1	Fuel Tank	On Site		Removed	
Current Condition:	Removed - JC Removed the fuel tank from the site prior to the 10/28/20 inspection.				
FT 2	Fuel Tank	On Site		Removed	
Current Condition:	Removed - Roloff removed the fuel tank from the site prior to the 11/4/20 inspection.				
FT 3	Fuel Tank	Adjacent to CE 1		Removed	
Current Condition:	Removed - Swain construction removed the fuel tank prior to the inspection on 6/29/21.				
FT 4	Fuel Tank	western section of site		Removed	
Current Condition:	Removed - Swain construction removed the fuel tank prior to the inspection on 6/29/21.				
Lot 68 - 69	Individual Lot	Lot 68 - 69	12/21/2021	Active	No
Current Condition:	Active - Legacy Homes began excavation on the lot prior to the inspection on 12/21/21. A dirt pile was observed in the ROW but due to the lot being actively excavated no recommendations will be made at this time. The E&A inspector will continue to monitor for dirt pile removal and BMP installation.				
Lot 70 - 71	Individual Lot	Lot 70 - 71	12/28/2021	Active	No
Current Condition:	Active - Legacy Homes began excavation on the lot prior to the inspection on 12/28/21. A dirt pile was observed in the ROW but due to the lot being actively excavated no recommendations will be made at this time. The E&A inspector will continue to monitor for dirt pile removal and BMP installation.				
Lot 72 - 73	Individual Lot	Lot 72 - 73	12/28/2021	Active	No
Current Condition:	Active - Legacy Homes began excavation on the lot prior to the inspection on 12/28/21. A dirt pile was observed in the ROW but due to the lot being actively excavated no recommendations will be made at this time. The E&A inspector will continue to monitor for dirt pile removal and BMP installation.				
Lot 74 - 75	Individual Lot	Lot 74 - 75	12/28/2021	Active	No
Current Condition:	Active - Legacy Homes began excavation on the lot prior to the inspection on 12/28/21. A dirt pile was observed in the ROW but due to the lot being actively excavated no recommendations will be made at this time. The E&A inspector will continue to monitor for dirt pile removal and BMP installation.				
Lot 76 - 77	Individual Lot	Lot 76 - 77	1/4/2022	Active	No
Current Condition:	Active - Legacy Homes began excavation on the lot prior to the inspection on 1/4/22. A dirt pile was observed in the ROW but due to the lot being actively excavated no recommendations will be made at this time. The E&A inspector will continue to monitor for dirt pile removal and BMP installation.				
MS 1	Material Storage	On Site		Removed	
Current Condition:	Removed - Primary civil development is complete as of the 8/2/21 inspection. Material storage on site is attributed to SAR20200507-5452-GP2 and is not included in this report.				
PB X	Portable Bathroom	On Site		Removed	
Current Condition:	Removed - Portable toilets were not brought on site under Windsor East. Both portable toilets are under the Giles Road and 180th street project as of 6/15/21.				
SB A	Sediment Basin	O4	10/20/2020	Active	No
Current Condition:	Good Condition - 45% Filled - The basin was partly dug out prior to the 6/10/20 inspection. The basin was fully dug out and the baffle installed by JC Excavation prior to the 9/22/20 inspection. JC Excavation finished installed the riser prior to the 10/20/20 inspection. The E&A inspector painted the cleanout mark on the riser during the 11/4/20 inspection. Minor erosion was observed at the basin outfall during the 3/31/21 inspection. Damage to the baffle was observed on 6/2/21. No recommendations at this time, the inspector will continue to monitor.				
SF 1	Silt fence	S6-X7	5/6/2020	Active	Yes

Current Condition:	Fair Condition - JC Excavation installed the silt fence prior to the 5/6/20 inspection. The SB A berm is built up adjacent to the drainage ditch as of the 6/19/20 inspection, extending the silt fence is no longer recommended. JC Excavation partially cleaned out, trenched in, and repaired the silt fence prior to the 7/6/20 inspection, further maintenance is recommended. JC Excavation cleaned out and repaired the silt fence at V7 prior to the 7/13/20 inspection. The silt fence was partially removed at T6 for utility work prior to the 9/22/20 inspection, the inspector will recommend reinstallation when work in the area is complete. JC Excavation patched some of the silt fence prior to the 10/9/20 inspection.				
	<p>1.) The silt fence should be extended around the disturbance behind the basin until the area is stabilized.</p> <p>2.) Silt fence needs to be reinstalled where removed for infrastructure work.</p> <p>1.) JC Excavation was informed to complete by 8/25/20. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 9/11/20, 10/9/20, 1/13/21, 3/5/21, 3/16/21, 4/23/21, 5/20/21, 6/10/21, 7/9/21, 8/19/21, 9/16/21, 10/20/21, 12/2/21</p> <p>2.) JC Excavation/Gene Graves were informed to complete by 3/11/21. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 3/16/21, 4/23/21, 5/20/21, 6/10/21, 7/9/21, 8/19/21, 9/16/21, 10/20/21, 12/2/21</p>				
SF 2	Silt fence	D13-D7-J4	5/6/2020	Active	Yes
Current Condition:	Fair Condition - JC Excavation installed the silt fence prior to the 5/6/20 inspection. Hawkins Construction removed a section of the silt fence north of EM 4 prior to the inspection on 8/9/21. Due to vegetation in the area reinstallation will not be recommended at this time. E&A inspector will continue to monitor.				
	<p>1.) The silt fence is undermined in multiple locations and needs to be backfilled and trenched in.</p> <p>2.) The silt fence is down in multiple locations and needs repaired/retied.</p> <p>3.) The silt fence is full west of SB A and needs to be cleaned out.</p> <p>4.) The silt fence in the northwest corner of the site needs to be repaired/cleaned out and fugitive sediment needs to be cleaned up.</p> <p>5.) The silt fence on the west side of the run should be repaired/cleaned out and fugitive sediment needs to be cleaned up.</p> <p>1.) JC Excavation was informed to complete by 5/13/20. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 5/19/20, 5/28/20, 8/6/20, 8/19/20, 9/11/20, 10/9/20, 1/13/21, 3/5/21, 3/16/21, 4/23/21, 5/20/21, 6/10/21, 7/9/21, 8/19/21, 9/16/21, 10/20/21, 12/2/21</p> <p>2.) JC Excavation was informed to complete by 8/10/20. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 8/12/20, 8/19/20, 9/11/20, 10/9/20, 1/13/21, 3/5/21, 3/16/21, 4/23/21, 5/20/21, 6/10/21, 7/9/21, 8/19/21, 9/16/21, 10/20/21, 12/2/21</p> <p>3.) JC Excavation was informed to complete by 8/10/20. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 8/12/20, 8/19/20, 9/11/20, 10/9/20, 1/13/21, 3/5/21, 3/16/21, 4/23/21, 5/20/21, 6/10/21, 7/9/21, 8/19/21, 9/16/21, 10/20/21, 12/2/21</p> <p>4.) JC Excavation/Gene Graves were informed to complete by 3/22/21. Not done as of the last inspection. JC Excavation/Gene Graves was reminded on 4/23/21, 5/20/21, 6/10/21, 7/9/21, 8/19/21, 9/16/21, 10/20/21, 12/2/21</p> <p>5.) JC Excavation/Gene Graves were informed to complete by 8/24/21. Not done as of the last inspection. JC Excavation/Gene Graves was reminded on 9/16/21, 10/20/21, 12/2/21</p>				
SF 3	Silt fence	CC9-X7	5/6/2020	Active	Yes
Current Condition:	Fair Condition - JC Excavation installed the silt fence prior to the 5/6/20 inspection. The silt fence was partially cleaned out prior to the 3/31/21 inspection. The remaining accumulated sediment along the silt fence needs to be removed to allow water to filter through the silt fence. The maintenance recommendation will remain until proper maintenance is completed. Minor damage was observed to the south end of the silt fence run during the 4/15/21 inspection, no maintenance is required at this time, the inspector will monitor.				
	<p>1.) The silt fence needs to be cleaned out where full.</p> <p>2.) Erosion outside of the silt fence should be repaired where silt fence is full.</p> <p>3.) The silt fence should be repaired on the east side of the run.</p> <p>1.) JC was informed to complete by 9/16/20. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 10/9/20, 1/13/21, 3/5/21, 3/16/21, 4/23/21, 5/20/21, 6/10/21, 7/9/21, 8/19/21, 9/16/21, 10/20/21, 12/2/21</p> <p>2.) JC was informed to complete by 8/24/21. Not done as of the last inspection. JC Excavation/Gene Graves was reminded on 9/16/21, 10/20/21, 12/2/21</p> <p>3.) JC was informed to complete by 10/26/21. Not done as of the last inspection. JC Excavation/Gene Graves was reminded on 10/20/21, 12/2/21</p>				
STR	Streets	Giles Road	4/27/2020	Active	Yes
Current Condition:	Fair Condition - No sign of track out				
	Per CIR #15091 all interior streets should be cleaned.				
	JC Excavation/Gene Graves was informed to complete by 10/4/21. Not done as of the last inspection. JC Excavation/Gene Graves was reminded on 10/20/21, 12/2/21				
SWPPP Sign	Misc./Other	Giles Road	7/13/2020	Pending	No
Current Condition:	Good Condition - E&A inspector installed the SWPPP sign at Q13 during the 7/13/20 inspection. The E&A inspector reinstalled the SWPPP sign at Q13 during the 10/28/20 inspection. SWPPP sign was removed by unknown source prior to the inspection on 6/15/21. E&A inspector reinstalled the SWPPP sign on 8/20/21.				
WO 1	Concrete Washout	On Site		Removed	
Current Condition:	Removed - Swain Construction removed the washout prior to the inspection on 5/25/21.				
WO 2	Concrete Washout	On Site		Removed	
Current Condition:	Removed - Swain Construction removed the washout prior to the inspection on 6/8/21.				
WS 1	Waste Storage	On Site		Removed	
Current Condition:	Removed - Primary civil development is complete as of the 8/2/21 inspection, the inspector will monitor waste storage on a lot by lot basis.				

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: <i>Bryce M Wright</i>	Reviewed By: <i>[Signature]</i>