

E & A Consulting Group, Inc.
 10909 Mill Valley Road, Suite 100
 Omaha, NE 68154
 tel 402.895.4700
 fax 402.895.3599
 www.eacg.com



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:	8/13/2022	68136
Project Location:	180th & Giles Road (NE), Sarpy County, NE	

Grading:	90%			
Sanitary Sewer:	90%			
Storm Sewer:	90%			
Paving:	95%			
Seeding:	50%			
Utilities:	85%			
Overall Development:	35%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	Time	
					Week 1
Sunday:	0.15"				
Monday:	0.07"				
Tuesday:	0.00"				
Wednesday:	0.00"	8/10/2022	Partly Cloudy 76	9:25 AM	
Thursday:	0.03"				
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). Entire site was drill seeded (4/6/22).

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?

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.

Yes

Create Corrective Action?

N/A

Are waste materials (concrete, construction material, hazardous, etc.) being managed properly?

No

Create Corrective Action?

No, See BMP section

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:					
Site was active for home construction during the most recent inspection.					
Findings / Corrective Actions (Date):					
Findings / Corrective Actions (Date):					
1) Some maintenance is recommended in the BMP section of this report.					
2) 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.					
Unique Name	Type	Location	Projected Install Date	Status	Maintenance
CE 1	Construction Entrance	Giles Road (Q14)		Removed	
Current Condition:	Removed - Hawkins Construction paved the entrance prior to the inspection on 9/8/21.				
CE 2	Construction Entrance	Giles Road (BB14)		Removed	
Current Condition:	Removed - Hawkins Construction paved the entrance prior to the inspection on 9/8/21.				
D 1	Diversion	E of SB A		Removed	
Current Condition:	Removed - Due to home construction starting diversion is no longer necessary as of 5/3/22.				
D 2	Diversion	SE of SB A		Removed	
Current Condition:	Removed - Due to home construction starting diversion is no longer necessary as of 5/3/22.				
D 3	Diversion	S of SB A		Removed	
Current Condition:	Removed - Due to home construction starting diversion is no longer necessary as of 5/3/22.				
D 4	Diversion	W of SB A	9/22/2020	Active	Yes
Current Condition:	Fair Condition - JC Excavation installed the eastern section of the diversion prior to the 9/22/20 inspection. The western section of the diversion does not appear necessary as of the 9/22/20 inspection, the inspector will continue to monitor. The diversion was partially removed as part of SAR-20200507-5452-GP2 for the 180th St. improvements. The diversion should be redefined when work allows in applicable areas. The inspector will make specific recommendations when the roadway work is complete. Hawkins will be informed to complete when the roadwork is complete as of the 8/2/21 inspection. Not done as of the last inspection.				
D 5	Diversion	East side of site		Removed	
Current Condition:	Removed - Due to the completion of primary civil development as of the 8/2/21 inspection, the diversion will not be installed.				
ET 1	Erosion Control Terrace	See SWPPP Map		Removed	
Current Condition:	Removed - Due to the completion of primary civil development as of the 8/2/21 inspection, the terrace will not be installed.				
EM 1	Erosion Control Matting	See SWPPP Map		Removed	
Current Condition:	Removed - Due to home construction and the entire site being seeded the erosion control matting is no longer necessary.				
EM 2	Erosion Control Matting	See SWPPP Map		Removed	
Current Condition:	Removed - Due to home construction and the entire site being seeded the erosion control matting is no longer necessary.				
EM 3	Erosion Control Matting	See SWPPP Map	9/22/2020	Active	Yes
Current Condition:	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). Matting should be reinstalled where removed from storm installation. 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.				
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 8	Individual Lot	Lot 8	4/26/2022	Active	No
Current Condition:	Good Condition - Legacy Homes began excavation on the lot prior to the inspection on 4/26/22. SF 1 is already installed behind the lot. All maintenance is under SF 1 BMP. Legacy Homes removed the dirt pile and concrete waste from the ROW prior to the inspection on 5/26/22.				

Lot 80 - 81	Individual Lot	Lot 80 - 81	2/1/2022	Active	No
Current Condition:	Good Condition- Legacy Homes began excavation on the lot prior to the inspection on 2/1/22. Legacy Homes removed the dirt piles from the ROW prior to the inspection on 2/22/22. Legacy Homes installed silt fence along the northwest corner of the lot prior to the inspection on 3/7/22. Legacy Homes removed the silt fence for utility installation prior to the inspection on 4/14/22. Legacy Homes reinstalled silt fence at the front of the lot prior to the inspection on 8/10/22.				
Lot 82 - 83	Individual Lot	Lot 82 - 83	2/1/2022	Active	No
Current Condition:	Good Condition - Legacy Homes began excavation on the lot prior to the inspection on 2/1/22. Legacy Homes removed the dirt piles from the ROW prior to the inspection on 2/22/22. Legacy Homes installed silt fence along the street prior to the inspection on 3/7/22. Legacy Homes repaired the silt fence at the front of the lot prior to the inspection on 4/26/22.				
Lot 84 - 85	Individual Lot	Lot 84 - 85	2/8/2022	Active	Yes
Current Condition:	Fair Condition - Legacy Homes began excavation on the lot prior to the inspection on 2/8/22. Legacy Homes removed the dirt pile from the ROW prior to the inspection on 3/7/22. Legacy Homes installed silt fence along the northern edge of the lot prior to the inspection on 3/29/22. Silt fence should be repaired along the street. Legacy Homes was informed to complete by 6/13/22. Not done as of the last inspection. Legacy Homes was reminded on 7/17/22, 7/27/22				
Lot 86 - 87	Individual Lot	Lot 86 - 87	2/8/2022	Active	No
Current Condition:	Good Condition - Legacy Homes began excavation on the lot prior to the inspection on 2/8/22. Legacy Homes removed the dirt pile from the ROW prior to the inspection on 3/7/22. Legacy Homes installed silt fence in the northeast corner of the lot prior to the inspection on 3/29/22.				
Lot 88 - 89	Individual Lot	Lot 88 - 89	2/15/2022	Active	No
Current Condition:	Good Condition - Legacy Homes began excavation on the lot prior to the inspection on 2/15/22. Legacy Homes removed the dirt pile from the ROW and installed silt fence along the northeast corner of the lot prior to the inspection on 3/29/22.				
Lot 90 - 91	Individual Lot	Lot 90 - 91	2/15/2022	Active	No
Current Condition:	Good Condition - Legacy Homes began excavation on the lot prior to the inspection on 2/15/22. Legacy Homes removed the dirt pile from the ROW and installed silt fence along the northeast corner of the lot prior to the inspection on 3/29/22.				
Lot 92 - 93	Individual Lot	Lot 92 - 93	3/1/2022	Active	No
Current Condition:	Active - Legacy Homes began excavation on the lot prior to the inspection on 3/1/22. 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.				
Lot 118 - 119	Individual Lot	Lot 118 - 119	7/18/2022	Active	No
Current Condition:	Active - Legacy Homes began excavation on the lot prior to the inspection on 7/18/22. Due to vegetative buffer along the back of the lots no BMPs will be recommended at this time. Legacy Homes removed the dirt pile from the ROW prior to the inspection on 8/10/22.				
Lot 148	Individual Lot	Lot 148	5/18/2022	Active	No
Current Condition:	Active - Legacy Homes began excavation on the lot prior to the inspection on 5/18/22. Legacy Homes removed the dirt piles from the ROW prior to the inspection on 7/18/22. Due to the vegetative buffer along the back of the lot no BMPs will be recommended at this time.				
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	2/22/2022	Active	No
Current Condition:	Good Condition - Legacy homes installed a portable toilet on site prior to the inspection on 2/22/22. Legacy Homes secured the portable toilet prior to the inspection on 3/7/22. Legacy Homes secured a second portable toilet on site prior to the inspection on 4/6/22. Legacy Homes stood up and secured the portable toilet prior to the 7/13/22 inspection.				
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:	<p>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. All silt fence maintenance is being sent to Legacy Homes as of 2/1/22.</p> <p>1.) The silt fence should be extended around the disturbance behind the basin until the area is stabilized. 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, Legacy Homes was reminded on 2/3/22, 2/24/22, 3/17/22, 3/31/22, 4/7/22, 4/21/22, 5/4/22, 5/19/22, 6/7/22, 7/7/22, 7/27/22 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, Legacy Homes was reminded on 2/3/22, 2/24/22, 3/17/22, 3/31/22, 4/7/22, 4/21/22, 5/4/22, 5/19/22, 6/7/22, 7/7/22, 7/27/22</p>				
SF 2	Silt fence	D13-D7-J4	5/6/2020	Active	No
Current Condition:	<p>Good 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. All silt fence maintenance is being sent to Legacy Homes as of 2/1/22. Gene Graves reinstalled the silt fence prior to the inspection on 4/6/22.</p>				
SF 3	Silt fence	CC9-X7	5/6/2020	Active	Yes
Current Condition:	<p>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> <p>1.) The silt fence needs to be cleaned out where full. 2.) Erosion outside of the silt fence should be repaired where silt fence is full. 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, 2/10/22, 3/31/22 Legacy Homes was reminded on 5/4/22, 5/19/22, 6/7/22, 7/7/22, 7/27/22 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, 2/10/22, 3/31/22 Legacy Homes was reminded on 5/4/22, 5/19/22, 6/7/22, 7/7/22, 7/27/22 3.) JC was informed to complete by 10/26/21. Not done as of the last inspection. JC Excavation/Gene Graves was reminded on 12/2/21, 2/10/22, 3/31/22 Legacy Homes was reminded on 5/4/22, 5/19/22, 6/7/22, 7/7/22, 7/27/22</p>				
SF 4	Silt fence	Interior Streets	3/21/2022	Active	Yes
Current Condition:	<p>Fair Condition - Legacy Homes installed silt fence along interior streets prior to the inspection on 3/23/22. One section of silt fence needed to be trenched in as of the inspection on 3/23/22. Remaining silt fence was trenched in prior to the inspection on 3/29/22. Gene Graves extended the silt fence along Robin Drive prior to the inspection on 4/14/22. Legacy Homes repaired all damaged areas of silt fence prior to the inspection on 4/26/22.</p> <p>Silt fence along Robin Drive should be backfilled where undermined.</p> <p>Legacy Homes was informed to complete by 6/13/22. Not done as of the last inspection. Legacy Homes was reminded on 7/7/22, 7/27/22</p>				
STR	Streets	Giles Road	4/27/2020	Active	Yes
Current Condition:	<p>Fair Condition - No sign of track out. Street cleaning will be sent to Legacy Homes as of 2/1/22. Legacy Homes partially cleaned the streets prior to the inspection on 3/15/22. Street cleaning is still necessary. Legacy Homes cleaned all interior streets prior to the inspection on 3/23/22. Minor sediment was observed in the ROW during the inspection on 3/23/22. Great Plains was in the process of cleaning the streets during the inspection on 5/3/22.</p> <p>All streets in front of active lots should be cleaned daily or as often as needed.</p> <p>Legacy Homes was informed to complete by 5/4/22. Not done as of the last inspection. Legacy Homes was reminded on 5/19/22, 6/7/22, 6/16/22, 7/7/22, 7/27/22</p>				
SWPPP Sign	Misc./Other	Giles Road	7/13/2020	Pending	No
Current Condition:	<p>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.</p>				
WO 1	Concrete Washout	On Site	3/21/22.	Active	Yes
Current Condition:	<p>Fair Condition - Legacy Homes installed a concrete washout on site prior to the inspection on 4/26/22.</p> <p>1.) Concrete washout should be cleaned out. 2.) Concrete waste should be removed from the site and a washout should be installed on site.</p> <p>1.) Legacy Homes was informed to complete by 8/2/22. Not done as of last inspection. 2.) Legacy Homes was informed to complete by 3/22/22. Not done as of the last inspection. Legacy Homes was reminded to complete on 4/7/22, 4/21/22, 5/4/22, 5/19/22, 6/7/22, 7/7/22, 7/27/22</p>				
WO 2	Concrete Washout	On Site		Removed	
Current Condition:	<p>Removed - Swain Construction removed the washout prior to the inspection on 6/8/21.</p>				

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