

E & A Consulting Group, Inc.
 10909 Mill Valley Road, Suite 100
 Omaha, NE 68154
 tell 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- P2017.411.001


Inspector: Patrick Sechser		Stage
Project Name:	The Villas at Piney Creek OMA-20160711-03678 CSW-201600546	Winter
For Week Ending:	3/9/2019	
Project Location:	202nd Street and Blondo Parkway, Omaha, NE (Douglas County)	68022

Grading:	80%			
Sanitary Sewer:	50%			
Storm Sewer:	50%			
Paving:	50%			
Seeding:	82%			
Utilities:	50%			
Overall Development:	27%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	
				Week 1
Sunday:	0.09"			
Monday	0.08"			
Tuesday	0.01"			
Wednesday	0.00"			
Thursday	0.00"			
Friday	0.00"			
Saturday	0.06"			
				Week 2
Sunday:	0.08"			
Monday	0.00"	02/18/19	21/11 Snow	
Tuesday	0.01"			
Wednesday	0.12"			
Thursday	0.02"			
Friday	0.06"			
Saturday	0.20"			
				Week 3
Sunday:	0.03"			
Monday	0.00"			
Tuesday	0.00"			
Wednesday	0.00"			
Thursday	0.00"			
Friday	0.00"			
Saturday	0.01"			
				Week 4
Sunday:	0.01"			
Monday	0.00"			
Tuesday	0.00"			
Wednesday	0.00"			
Thursday	0.00"			
Friday	0.00"			
Saturday	0.54"	03/09/19	35/25 Rain	
				Week 5
Sunday:	N/A	N/A		
Monday	N/A	N/A		
Tuesday	N/A	N/A		
Wednesday	N/A	N/A		
Thursday	N/A	N/A		
Friday	N/A	N/A		
Saturday	N/A	N/A		

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?																																																																																															
Grading activities began in the Summer/Fall of 2016 by Ruff Grading. Major grading activities have ceased in the Summer of 2017 on site.																																																																																															
Minor grading to be completed at a later time in drainage areas A1-A0.2 due to lot level construction (10/2/2017). Drainage basins A0.3, A2, A0.4 and B1 were inactive (10/2/2017).																																																																																															
Which portion(s) (i.e. drainage basins) of the site do not have grading, earthwork, or ground disturbance scheduled in the next 14 days?																																																																																															
Grading activities began in the Summer/Fall of 2016 by Ruff Grading. Major grading activities have ceased in the Summer of 2017 on site.																																																																																															
Minor grading to be completed at a later time in drainage areas A1-A0.2 due to lot level construction (10/2/2017). Drainage basins A0.3, A2, A0.4 and B1 were inactive (10/2/2017).																																																																																															
What temporary or permanent stabilization measures listed in this section are being implemented?																																																																																															
Existing Vegetation (2016); Both sides of project were seeded and erosion control blanket installed (2017); Right-of Ways were seeded on west side of project (10/2/2017); NW slope was re-matted and seeded due to erosion (10/19/2017).																																																																																															
SUMMARY QUESTIONS:																																																																																															
Are approved entrances and adjacent streets being maintained adequately?																																																																																															
Yes																																																																																															
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																																																																																															
CHECKLIST QUESTIONS:																																																																																															
Are waste materials (concrete, construction material, hazardous, etc.) being managed properly?																																																																																															
No. See findings section																																																																																															
Is dust associated with the construction activity adequately controlled on the site?																																																																																															
Yes																																																																																															
Comments:																																																																																															
Comments:																																																																																															
East side of the site remains idle. Home construction is continuing on the west side of the project.																																																																																															
Site was covered with 4-5" of snow during the last inspection and not all BMPs could be verified due to snow covered conditions.																																																																																															
Findings / Corrective Actions (Date):																																																																																															
Findings / Corrective Actions (Date):																																																																																															
1.) Some maintenance is required in the BMP section.																																																																																															
2.) CIR # 8612 was received and reviewed on 11/20/2018. CIR was forwarded to Developer Terri Krasne for additional compliance on 11/20/2018, including sod installation of lots and removal of dirt piles from ROW.																																																																																															
- NOTE: Due to spot dumping of concrete, E&A will recommend either a washout pit or that the concrete residue gets removed as soon as its deposited. E&A will contact Terri Krasne and update the report accordingly.																																																																																															
3.) CIR #9070 was received and forwarded to Developer Terri Krasne on 2/15/2019 for continued compliance. CIR #9194 was received and forwarded to Developer Terri Krasne on 3/12/2019 for continued compliance.																																																																																															
<table border="1"> <thead> <tr> <th>Unique Name</th> <th>Type</th> <th>Location</th> <th>Projected Install Date</th> <th>Status</th> <th>Maintenance</th> </tr> </thead> <tbody> <tr> <td>CD1-14</td> <td>Wattles</td> <td>Site</td> <td>9/7/2016</td> <td>Active</td> <td>No</td> </tr> <tr> <td>Current Condition:</td> <td colspan="5">Good Condition-CD 14 is in place currently. E&A will verify other wattles and necessity as work progresses. CD 1-10 are presently not needed based on lot level construction.</td> </tr> <tr> <td>CE-1</td> <td>Entrance</td> <td>Blondo Parkway</td> <td></td> <td>Removed</td> <td></td> </tr> <tr> <td>Current Condition:</td> <td colspan="5">Removed- Entrance was removed and paved prior to 10/2/2017 inspection.</td> </tr> <tr> <td>CE-2</td> <td>Entrance</td> <td>Blondo Parkway-East</td> <td>9/7/2016</td> <td>Active</td> <td>No</td> </tr> <tr> <td>Current Condition:</td> <td colspan="5">Good Condition-70% functioning- Entrance was installed prior to 10/2/2017 inspection by Ruff Grading. Entrance remains inactive as of 3/16/2018.</td> </tr> <tr> <td>CW-1</td> <td>Concrete washout</td> <td>West side of project</td> <td></td> <td>Removed</td> <td></td> </tr> <tr> <td>Current Condition:</td> <td colspan="5">Removed- Washout pit was removed prior to 10/2/2017.</td> </tr> <tr> <td>CW-2</td> <td>Concrete washout</td> <td>East side of project</td> <td>5/1/2018</td> <td>Pending</td> <td>No</td> </tr> <tr> <td>Current Condition:</td> <td colspan="5">Pending- Washout will be installed in the eastern phase prior to road paving operations.</td> </tr> <tr> <td>Diversion Ditches 1-24</td> <td>Diversion Ditches</td> <td>Site</td> <td>9/7/2016</td> <td>Active</td> <td>No</td> </tr> <tr> <td>Current Condition:</td> <td colspan="5">Good Condition- Diversion Ditches have been installed prior to the inspection on 10/2/2017 by Ruff Grading. E&A will continue to verify ditches once vegetation is mowed back. DD1, part of DD2, DD13-DD24 were noted during the first inspection by E&A. E&A will continue to monitor. Other diversion ditches were removed for lot level construction. DD 1 has been removed for construction as of 9/13/2018.</td> </tr> <tr> <td>Inlet Filters</td> <td>Inlet Filters</td> <td>202nd Street, 202nd Avenue</td> <td>10/25/2017</td> <td>Active</td> <td>No</td> </tr> <tr> <td>Current Condition:</td> <td colspan="5">Good Condition- Inlet filters were cleaned out by Commercial Seeding prior to 5/30/2018. Commercial Seeding cleaned out a few inlet filters and reset them prior to 10/17/2018.</td> </tr> </tbody> </table>						Unique Name	Type	Location	Projected Install Date	Status	Maintenance	CD1-14	Wattles	Site	9/7/2016	Active	No	Current Condition:	Good Condition-CD 14 is in place currently. E&A will verify other wattles and necessity as work progresses. CD 1-10 are presently not needed based on lot level construction.					CE-1	Entrance	Blondo Parkway		Removed		Current Condition:	Removed- Entrance was removed and paved prior to 10/2/2017 inspection.					CE-2	Entrance	Blondo Parkway-East	9/7/2016	Active	No	Current Condition:	Good Condition-70% functioning- Entrance was installed prior to 10/2/2017 inspection by Ruff Grading. Entrance remains inactive as of 3/16/2018.					CW-1	Concrete washout	West side of project		Removed		Current Condition:	Removed- Washout pit was removed prior to 10/2/2017.					CW-2	Concrete washout	East side of project	5/1/2018	Pending	No	Current Condition:	Pending- Washout will be installed in the eastern phase prior to road paving operations.					Diversion Ditches 1-24	Diversion Ditches	Site	9/7/2016	Active	No	Current Condition:	Good Condition- Diversion Ditches have been installed prior to the inspection on 10/2/2017 by Ruff Grading. E&A will continue to verify ditches once vegetation is mowed back. DD1, part of DD2, DD13-DD24 were noted during the first inspection by E&A. E&A will continue to monitor. Other diversion ditches were removed for lot level construction. DD 1 has been removed for construction as of 9/13/2018.					Inlet Filters	Inlet Filters	202nd Street, 202nd Avenue	10/25/2017	Active	No	Current Condition:	Good Condition- Inlet filters were cleaned out by Commercial Seeding prior to 5/30/2018. Commercial Seeding cleaned out a few inlet filters and reset them prior to 10/17/2018.				
Unique Name	Type	Location	Projected Install Date	Status	Maintenance																																																																																										
CD1-14	Wattles	Site	9/7/2016	Active	No																																																																																										
Current Condition:	Good Condition-CD 14 is in place currently. E&A will verify other wattles and necessity as work progresses. CD 1-10 are presently not needed based on lot level construction.																																																																																														
CE-1	Entrance	Blondo Parkway		Removed																																																																																											
Current Condition:	Removed- Entrance was removed and paved prior to 10/2/2017 inspection.																																																																																														
CE-2	Entrance	Blondo Parkway-East	9/7/2016	Active	No																																																																																										
Current Condition:	Good Condition-70% functioning- Entrance was installed prior to 10/2/2017 inspection by Ruff Grading. Entrance remains inactive as of 3/16/2018.																																																																																														
CW-1	Concrete washout	West side of project		Removed																																																																																											
Current Condition:	Removed- Washout pit was removed prior to 10/2/2017.																																																																																														
CW-2	Concrete washout	East side of project	5/1/2018	Pending	No																																																																																										
Current Condition:	Pending- Washout will be installed in the eastern phase prior to road paving operations.																																																																																														
Diversion Ditches 1-24	Diversion Ditches	Site	9/7/2016	Active	No																																																																																										
Current Condition:	Good Condition- Diversion Ditches have been installed prior to the inspection on 10/2/2017 by Ruff Grading. E&A will continue to verify ditches once vegetation is mowed back. DD1, part of DD2, DD13-DD24 were noted during the first inspection by E&A. E&A will continue to monitor. Other diversion ditches were removed for lot level construction. DD 1 has been removed for construction as of 9/13/2018.																																																																																														
Inlet Filters	Inlet Filters	202nd Street, 202nd Avenue	10/25/2017	Active	No																																																																																										
Current Condition:	Good Condition- Inlet filters were cleaned out by Commercial Seeding prior to 5/30/2018. Commercial Seeding cleaned out a few inlet filters and reset them prior to 10/17/2018.																																																																																														

Lot 7	Silt Fence	North 202nd Avenue	8/1/2018	Active	No
Current Condition:	Active- Lot was excavated by Terri Krasne prior to 8/1/2018. Lot is presently flat. E&A will continue to monitor need for silt fence installation on the front.				
Lot 8	Silt Fence	North 202nd Avenue	8/15/2018	Active	No
Current Condition:	Active- Lot was excavated by Terri Krasne prior to 8/15/2018. Lot is presently flat. E&A will continue to monitor need for silt fence installation on the front. Dirt was removed from the ROW prior to 9/13/2018.				
Lot 9	Silt Fence	North 202nd Avenue	9/13/2018	Active	No
Current Condition:	Active- Lot was excavated by Terri Krasne prior to 9/13/2018. Lot is presently flat. E&A will continue to monitor need for silt fence installation on the front.				
Lot 11, Replat 1	Silt Fence	202nd Street	12/18/2018	Active	No
Current Condition:	Active - Lot is mostly flat. Dirt was removed from the ROW by Terri Krasne prior to 1/22/2019. E&A will monitor need for BMPs.				
Lot 12, Replat 1	Silt Fence	North 202nd Avenue	11/1/2018	Active	No
Current Condition:	Active- Lot is mostly flat. E&A will monitor need for BMPs. Dirt was removed from the ROW by Terri Krasne prior to 11/26/2018.				
Lot 28	Silt Fence	202nd Street	12/18/2018	Active	No
Current Condition:	Active - Lot is mostly flat. Dirt was removed from the ROW by Terri Krasne prior to 1/22/2019. E&A will monitor need for BMPs.				
Lot 29	Silt Fence	202nd Street	11/1/2018	Active	No
Current Condition:	Active - Lot is mostly flat. Dirt was removed from the ROW by Terri Krasne prior to 1/22/2019. E&A will monitor need for BMPs.				
Lot 30	Silt Fence	202nd Street		Removed	
Current Condition:	Removed- Terri Krasne sodded the lot prior to 7/19/2018 and cleaned the curb line.				
Lot 31	Silt Fence	202nd Street		Removed	
Current Condition:	Removed- Lot was sodded by Terri Krasne prior to 11/20/2018.				
Lot 32	Silt Fence	North 202nd Street	9/13/2018	Active	No
Current Condition:	Active- Lot was excavated by Terri Krasne prior to 9/13/2018. Lot is presently flat. E&A will continue to monitor need for silt fence installation on the front. Washout debris and the curb line was cleaned up prior to 10/17/2018.				
Lot 33	Silt Fence	202nd Avenue		Removed	
Current Condition:	Removed- Terri Krasne sodded the lot prior to 7/19/2018.				
Lot 34	Individual Lot	202nd Avenue	6/2/2018	Active	No
Current Condition:	Active- Lot was excavated by Terri Krasne prior to 6/2/2018. Due to the lot being mostly flat, E&A will monitor need for BMPs as of 6/2/2018. E&A will continue to monitor.				
Lot 35	Silt Fence	North 202nd Avenue	11/1/2018	Active	No
Current Condition:	Active- Lot is mostly flat. E&A will monitor need for BMPs. Dirt was removed from the ROW by Terri Krasne prior to 11/26/2018.				
Lot 36	Silt Fence	North 202nd Avenue	11/1/2018	Active	No
Current Condition:	Active- Lot is mostly flat. E&A will monitor need for BMPs. Dirt was removed from the ROW by Terri Krasne prior to 11/26/2018.				
Lot 43	Silt Fence	Miami Circle		Removed	
Current Condition:	Removed-Terri Krasne sodded the lot prior to 5/22/2018.				
Lot 44	Silt Fence	Miami Circle		Removed	
Current Condition:	Removed-Terri Krasne sodded the lot prior to 5/22/2018.				
Lot 45	Silt Fence	Miami Circle		Removed	
Current Condition:	Removed-Terri Krasne sodded the lot prior to 5/22/2018.				
Lot 46	Silt Fence	Miami Circle		Removed	
Current Condition:	Removed- Lot was sodded by Terri Krasne prior to 11/20/2018.				
Lot 47	Silt Fence	Miami Circle		Removed	
Current Condition:	Removed- Lot was sodded by Terri Krasne prior to 11/26/2018.				
Lot 48	Silt Fence	Miami Circle		Removed	
Current Condition:	Removed- Lot was sodded by Terri Krasne prior to 11/26/2018.				
Lot 49	Silt Fence	Miami Circle		Removed	
Current Condition:	Removed- Lot was sodded by Terri Krasne prior to 11/26/2018.				
RR-1-2	Stream Outlet Rip Rap	Drainage way	9/7/2016	Active	No
Current Condition:	Good Condition- Rip rap 1 was installed prior to 10/2/2017 inspection. E&A will continue to monitor. RR 2 is pending once outfall is installed from outfall #3.				
RW-1-8	Rock Weirs	Site	9/7/2016	Active	No
Current Condition:	Good Condition- Rock Weir 1 was installed prior to 10/2/2017 inspection. E&A will continue to monitor. RW 2-5 have been removed prior to the inspection on 10/2/2017. RW 6-8 will be verified during the next inspections				
ECB-1-15	Erosion Control Blanket	Site	9/7/2016	Active	No
Current Condition:	Good Condition- Erosion Control Blanket has been installed on the site prior to 10/2/2017 by Developer Steve Champoux.				
Silt Fence 1-4	Silt Fence	West side of project	9/7/2016	Active	No

Current Condition:	Good Condition- Silt Fence #1 was removed on the west side & repaired along Blondo Parkway; SF #2 was reinstalled by SB 1; SF #2 and #3 was reinstalled to the east of lot 39; Silt fence was entrenched to the north of 202nd Avenue on lot 8, Replat 1; Silt fence #4 by RR1 was repaired due to undercutting SF prior to 10/19/2017 by the Developer Steve Champoux. E&A inspector retied the silt fence to the posts during the inspection on 3/2/2018. SF #2 from the SWPPP sign to the main drainage way was removed due to the establishment of vegetation and silt fence checks #4 were repaired and extended by Commercial Seeding prior to 4/12/2018. Silt fence was repaired and reinstalled by the sidewalk to capture runoff on 202nd Avenue prior to 5/30/2018 by Commercial Seeding, and silt fence from the west SWPPP sign to the west along Blondo Parkway was removed due to the establishment of vegetation prior to 6/2/2018. Silt fence along 202nd Avenue was repaired prior to 8/8/2018 by Commercial Seeding. Silt fence was removed behind lots 46-48 prior to 11/7/2018 for installation of sod by Terri Krasne.				
Silt Fence 5-10	Silt Fence	East side of project	9/7/2016	Active	Yes
Current Condition:	Fair Condition - E&A Inspector retied the silt fence to the posts along Blondo Parkway during the inspection on 7/26/2018. Silt fence along Blondo Parkway needs to be retied to the posts in multiple areas due to the snow. Developer Terri Krasne will be informed to complete by 12/10/2018 pending weather conditions once snow melts. Not done as of the last inspection. Terri Krasne was reminded on 1/16/2019.				
Sediment Basin 1	Sediment Basin	West side-entrance	9/7/2016	Active	No
Current Condition:	Good Condition- 41% full- Basin and Anti-vortex device was installed prior to 10/2/2017 inspection by Developer Steve Champoux. SRR 4-6 are in place on the slopes. Riser is beginning to become undermined. E&A will continue to monitor as of 3/15/2018.				
Sediment Basin 2	Sediment Basin	East side-Central	9/7/2016	Active	No
Current Condition:	Good Condition- 33% full- Basin and Anti-vortex device was installed prior to 10/2/2017 inspection by Developer Steve Champoux. SRR 7 & 8 are in place on the slopes. Riser was backfilled, and repaired where it was undermined prior to 5/11/2018.				
Sediment Basin 3	Sediment Basin	East side	9/7/2016	Active	No
Current Condition:	Active-SRR 10 & 11 are in place on the slopes, although SRR 12 is missing. Basin has been dug prior to 10/2/2017. Sediment Basin still needs to be installed per plan, including riser, anti-vortex device, outfall and rip rap per plan. Developer Terri Krasne was reminded to complete once grading begins in area. Basin is functioning as a sediment trap as of 7/27/2018 and area is heavily vegetated. BMP will be monitored and added as needing maintenance once work begins area.				
Sediment Trap 1	Sediment Trap	SW corner	9/7/2016	Active	No
Current Condition:	Good Condition-20% full- Trap was installed prior to 10/2/2017 inspection by Developer Steve Champoux. SRR 1 & 2 are in place on the slopes.				
Sediment Traps 2-8	Sediment Trap	Site	9/7/2016	Active	No
Current Condition:	Good Condition- Sediment Traps 2-5 have been removed for development on the west side. ST 6-8 have been installed prior by Steve Champoux prior to the inspection on 10/2/2017. E&A will monitor area due to extensive vegetation.				
SRR-1-12	Slope Outlet Rip Rap	Site	9/7/2016	Active	No
Current Condition:	Good Condition- Rip rap 1,2, 4-8, 10-11 were installed prior to 10/2/2017 inspection. Rip rap 3, 9 and 12 are currently missing or need to be verified. SRR 12 needs to be installed per City's prior request. Developer Terri Krasne was reminded to complete rip rap once grading begins in area. Basin is functioning as a sediment trap as of 7/27/2018 and area is heavily vegetated. BMP will be monitored and added as needing maintenance once work begins area.				
STR	Streets	Site	9/7/2016	Active	No
Current Condition:	Good Condition-Streets have been cleaned around the project. Minor street cleaning is needed off North 202nd Avenue, but there are no signs of track out as of 9/5/2018.				
SWPPP Sign	Misc./Other	Blondo Parkway	10/9/2017	Active	No
Current Condition:	Good Condition- 2 SWPPP signs were installed by the entrances prior to 10/19/2017 by E&A.				
Inspector Signature:				Reviewed By:	