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E & A CONSULTING GROUP, INC.
Engineering Answers

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

E&A - P2020.091.000

Inspector: Joe Manning		Stage
Project Name:	Majestic Pointe East OMA-20201015-5644-GP1 / CSW-202005078	1
For Week Ending:	5/6/2023	68007
Project Location:	168th Street and State Street - Omaha, NE (Douglas County)	

Grading:	99%			
Sanitary Sewer:	100%			
Storm Sewer:	95%			
Paving:	98%			
Seeding:	35%			
Utilities:	60%			
Overall Development:	55%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	Time	
					Week 1
Sunday:	0.00"				
Monday:	0.00"				
Tuesday:	0.00"				
Wednesday:	0.00"	5/3/2023	Sunny 72	3:40 PM	
Thursday:	0.00"				
Friday:	0.05"				
Saturday:	0.05"				

Complaints:	None
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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?

Ground disturbance associated with tree clearing at the 171st Street and Reynolds Street Crossings (4/2/2021). Ground disturbance associated with tree clearing along State Street (4/13/2021). Mass grading began in DEV A, DEV NT3, and the south portion of DEV NT2 (7/07/2021). Mass grading throughout the entire site. Mass grading for Reynolds Street and N 170th Street crossings (10/06/2021). Disking in the north half of the site (12/02/2021). Surcharge removal in the north portion of the site. Storm sewer installation (12/08/2021). Disking along the southwest portion of the site. Grading for N 170th Street crossing (12/16/2021). Grading at Reynolds Street crossing (12/29/2021). Construction of box culvert at N 170th Street crossing (12/29/2021). Excavation for Reynolds Street culvert. Backfilling for N 170th Street box culvert (2/16/2022). Grading for the N 170th Street box culvert (3/02/2022). Grading near Reynolds Street and 168th Street (7/19/2022). A grade stabilization structure was installed in the creek west of SB A (8/2/2022).

Which portion(s) (i.e. drainage basins) of the site do not have grading, earthwork, or ground disturbance scheduled in the next 14 days?

Ground disturbance associated with tree clearing at the 171st Street and Reynolds Street Crossings (4/2/2021). Ground disturbance associated with tree clearing along State Street (4/13/2021). Mass grading began in DEV A, DEV NT3, and the south portion of DEV NT2 (7/07/2021). Mass grading throughout the entire site. Mass grading for Reynolds Street and N 170th Street crossings (10/06/2021). Disking in the north half of the site (12/02/2021). Surcharge removal in the north portion of the site. Storm sewer installation (12/08/2021). Disking along the southwest portion of the site. Grading for N 170th Street crossing (12/16/2021). Grading at Reynolds Street crossing (12/29/2021). Construction of box culvert at N 170th Street crossing (12/29/2021). Excavation for Reynolds Street culvert. Backfilling for N 170th Street box culvert (2/16/2022). Grading for the N 170th Street box culvert (3/02/2022). Grading near Reynolds Street and 168th Street (7/19/2022). A grade stabilization structure was installed in the creek west of SB A (8/2/2022).

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

Existing vegetation (4/2/2021). Seeding and matting along the north side of the site, the western slopes along SB A, and the northeastern slopes (12/08/2021). Seeding along the N 170th Street crossing (9/28/2022). Matting along the N 170th Street crossing (10/05/2022).

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.

Yes


Create Corrective Action?

N/A

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

No					
Create Corrective Action?					
No - See Findings 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:					
Comments: Site was active for utility installation during the current inspection.					
Findings / Corrective Actions (Date):					
Findings / Corrective Actions (Date): 1.) Some maintenance is required in the BMP section. 2.) CIR #18899 was received, reviewed, and sent to Graves Development on 4/13/23. The City inspection was in response to a complaint regarding sediment in the streets and entering stormwater drains, as well as no visible erosion control measures. The City is requesting voluntary compliance for outstanding maintenance. The City's findings partially correspond with the E&A report. -CIR #18899 stated that inlet protection was required throughout the site. All storm inlets currently drain to the sediment basins on site, so curb inlet protection is not required at this time. However, to prevent excess sediment from entering the storm inlets, the streets throughout the development should be cleaned daily and as needed, and SF 10 should be installed (See BMP Section). -Inactive portions of the site should be stabilized. Graves Development was informed to complete by 4/18/23. Not done as of the last inspection. -Concrete waste should be removed from the site and concrete washout should be installed as needed. Graves Development was informed to complete by 4/18/23. Not done as of the last inspection. Graves Development was reminded on 4/28/23. -CIR #18899 stated that SF 1, 2, and 3 were in need of maintenance. Walvoord Excavating backfilled and repaired SF 1 prior to the inspection on 10/05/22. Sudbeck cleaned out and repaired SF 2 prior to the 3/22/22 inspection. Walvoord Excavating cleaned out SF 3 prior to the inspection on 10/05/22. -CIR #18899 stated that SB 2 needed to be installed. Graves Development installed the basin fully prior to the inspection on 12/08/21. CIR #18899 stated that D1 needed to be repaired. Walvoord Excavating redefined the diversion into the basin prior to the inspection on 10/18/22.					
Unique Name	Type	Location	Projected Install Date	Status	Maintenance
CE 1	Construction Entrance	V11		Removed	
Current Condition:	Removed - JC Excavation graded out the site access at this location as of the inspection on 10/13/21.				
CE 2	Construction Entrance	S2	2/23/2021	Pending	No
Current Condition:	Pending - 77% effective - Legacy Homes installed a construction entrance prior to 2/23/21. Gene Graves and Legacy Homes blocked the construction entrance prior to the inspection on 6/08/21. JC Excavation blocked the construction entrance prior to the inspection on 10/13/21. E&A inspector will monitor and make recommendations if the entrances is used at a later date.				
CE 3	Construction Entrance	T27		Removed	No
Current Condition:	Removed - TAB Construction removed the construction entrance prior to the inspection on 6/10/22.				
CE 4	Construction Entrance	I4		Removed	
Current Condition:	Removed - The construction entrance was paved prior to the inspection on 9/21/22.				
CIP 1	Inlet Protection	S29	2/16/2022	Active	No
Current Condition:	Good Condition - Graves Development installed curb inlet protection in the existing inlet on the north side of Potter Street prior to the inspection on 2/16/22. Graves Development cleaned out the curb inlet protection prior to the inspection on 7/26/22.				
CIP 2	Inlet Protection	South end of North 169 Street	8/2/2022	Active	Yes
Current Condition:	Fair Condition - Graves Development installed curb inlet protection prior to the inspection on 8/2/22. Some dirt was observed in front of the inlet protection during the inspection on 10/05/22. Per CIR #18899, the inlet protection should be cleaned out and repositioned. Graves Development was informed to complete by 4/18/23 (CIR #18899). Not done as of the last inspection. Graves Development was reminded on 4/28/23				
D 1	Diversion	O3 - U2	11/16/2021	Active	No
Current Condition:	Good Condition - JC Excavation and Gene Graves installed the diversion prior to the inspection on 11/16/21. Location of diversion was misidentified. As of 11/23/21, diversion is located at O3 to U2. The diversion was partially removed by disking prior to the inspection on 12/02/21. Walvoord Excavating redefined the diversion into the basin prior to the inspection on 10/18/22.				
D 2+A2575	Diversion	J18 - S27		Removed	
Current Condition:	Removed - Valley Corp partially removed the diversion during sanitary installation prior to the inspection on 12/02/21. Due to paving, reinstallation will not be recommended as of 7/5/22.				
D 3	Diversion	J15 - N6		Removed	
Current Condition:	Removed - The diversion was partially graded out due to disking on site prior to the inspection 12/02/21. Due to paving, reinstallation will not be recommended as of 7/5/22.				
EM 1	Erosion Control Matting	E11 - S25	9/1/2021	Pending	No
Current Condition:	Pending - The matting will be installed after grading is completed in the area and weather conditions allow.				
EM 2	Erosion Control Matting	E6 - F12	12/8/2021	Active	No
Current Condition:	Good Condition- Gene Graves installed the erosion control matting prior to the inspection on 12/08/21.				
EM 3	Erosion Control Matting	M6 - Z6	9/1/2021	Pending	No
Current Condition:	Pending - The matting will be installed after grading is completed in the area and weather conditions allow.				
EM 4	Erosion Control Matting	Z5 - Z24	12/8/2021	Active	No
Current Condition:	Good Condition- Gene Graves installed the erosion control matting prior to the inspection on 12/08/21.				
EM 5	Erosion Control Matting	V1 - V7	12/8/2021	Active	No

Current Condition:	Good Condition- Gene Graves installed the erosion control matting prior to the inspection on 12/08/21.				
ET 1	Erosion Control Terrace	V8 - O21	9/21/2021	Active	No
Current Condition:	Good Condition - JC Excavation installed the erosion control terrace prior to the inspection on 9/21/21.				
ET 2	Erosion Control Terrace	S2 - K14	9/21/2021	Active	No
Current Condition:	Good Condition - JC Excavation installed the majority of the erosion control terrace prior to the inspection on 9/21/21.				
FT 1	Fuel Tank	On-site		Removed	
Current Condition:	Removed - JC Excavation and Gene Graves removed the fuel tanker and cleaned up the spills prior to the inspection on 12/16/21.				
FT 2	Fuel Tank	On-site		Removed	
Current Condition:	Removed - Valley Corp removed the fuel tank prior to the inspection on 11/23/21.				
FT 3	Fuel Tank	On-site		Removed	
Current Condition:	Removed - Tab Construction removed a double-walled fuel tank on site prior to the inspection on 7/19/22.				
FT 4	Fuel Tank	On-site		Removed	
Current Condition:	Removed - Tab Construction removed the fuel tank prior to the inspection on 12/29/21.				
MS 01	Material Storage	On Site	3/2/2022	Active	No
Current Condition:	Good Condition - Material storage is active in the south portion of the site as of the inspection on 3/02/22.				
PB 01	Portable Bathroom	On Site		Removed	
Current Condition:	Removed - JC Excavation removed the portable toilet prior to the inspection on 11/23/21.				
PB 02	Portable Bathroom	On Site		Removed	
Current Condition:	Removed - Tab Construction removed the portable toilet prior to the inspection on 1/12/22.				
PB X	Portable Bathroom	On Site	12/29/2021	Active	No
Current Condition:	Good Condition - Tab Construction secured a portable toilet on site prior to the inspection on 12/29/21. Valley Corp secured a portable toilet on site prior to the inspection on 3/16/22. Tab Construction removed a portable toilet from the site prior to the inspection on 3/29/22. Valley Corp stood up and resecured the portable toilet prior to the inspection on 4/22/22. Valley Corp removed a toilet prior to the inspection on 8/16/22. MUD secured a portable toilet on site prior to the inspection on 11/21/22. MUD removed the portable toilet and an unknown contractor secured a portable toilet on site prior to the inspection on 4/26/23.				
SB A	Sediment Basin	E9	7/14/2021	Active	No
Current Condition:	Good Condition - 9% full - JC Excavation began shaping the basin prior to the inspection on 10/06/21. E&A inspector will continue to monitor. JC Excavation repaired the erosion along the berm of the basin prior to the inspection on 11/03/21. JC Excavation was in the process of installing the riser during the inspection on 11/23/21. JC Excavation installed the outfall pipe prior to the inspection on 12/02/21. The E&A inspector painted the cleanout mark during the inspection on 12/08/21. Gene Graves installed an inlet pipe into the basin prior to the inspection on 12/08/21. The recommendation of including the emergency spillway will no longer be recommended as of 9/6/2022 due to the site's advanced development.				
SB B	Sediment Basin	O3	9/28/2021	Active	No
Current Condition:	Good Condition - 20% full - JC Excavation shaped the basin prior to the inspection on 10/25/21. JC Excavation repaired the erosion along the berm of the basin prior to the inspection on 11/03/21. JC Excavation was in the process of installing the riser during the inspection on 11/23/21. JC Excavation installed the outfall pipe prior to the inspection on 12/02/21. The E&A inspector painted the cleanout mark during the inspection on 12/08/21. JC Excavation and Gene Graves partially built up the low spot in the berm near the riser prior to the inspection on 12/16/21. JC Excavation fully built up the berm prior to the inspection on 12/21/21. Gene Graves was in the process of reinstalling the riser during the inspection on 6/21/22. E&A inspector will monitor for completion. Gene Graves reinstalled the riser prior to the inspection on 6/28/22. The E&A inspector painted the cleanout mark during the inspection on 6/28/22. The recommendation of including the emergency spillway will no longer be recommended as of 9/6/2022 due to the site's advanced development. Hausman began basin cleanout prior to the inspection on 9/12/22.				
SF 1	Silt Fence	W27 - I20	4/27/2021	Active	Yes
Current Condition:	Fair Condition - JC Excavation installed the silt fence prior to the inspection on 4/27/21. JC Excavation and Gene Graves partially cleaned out the silt fence prior to the inspection on 10/13/21. JC Excavation and Gene Graves installed silt fence along the south side of the Reynolds Street crossing prior to the inspection on 10/25/21. Sudbeck Companies was in the process of repairing the silt fence during the inspection on 3/16/22. E&A inspector will monitor for completion. Sudbeck cleaned out and repaired the silt fence prior to the 3/22/22 inspection. Sudbeck reinstalled the silt fence where removed near the center of the run prior to the inspection on 3/29/22. Graves Development reinstalled the silt fence along and over the south side of Reynolds Street Culvert prior to the inspection on 7/26/22. Graves Development backfilled the silt fence and installed a J-hook north of the crossing on the eastern portion of the silt fence prior to the inspection on 8/30/22. Walvoord Excavating backfilled and repaired the silt fence on the north side of the Reynolds Street crossing prior to the inspection on 10/05/22. Minor spoils were observed in the silt fence along the south side of the Reynolds Street crossing during the inspection on 10/26/22. The silt fence should be cleaned out south of the Reynolds Street crossing. Graves Development was informed to complete by 11/28/22. Not done as of the last inspection. Graves Development was reminded on 12/30/22, 4/13/23 (CIR #18899), 4/28/23				
SF 2	Silt Fence	I17 - K7	4/27/2021	Active	Yes
Current Condition:	Fair Condition - JC Excavation installed the silt fence prior to the inspection on 4/27/21. JC Excavation and Gene Graves installed silt fence along the south side of the N 170th Street crossing and the north side of the Reynolds Street crossing prior to the inspection on 10/25/21. Tab Construction graded the N 170th Street culvert and removed the silt fence around the culvert in the process prior to the inspection on 3/02/22. Sudbeck cleaned out and repaired the silt fence prior to the 3/22/22 inspection. Sudbeck repaired the silt fence north of the SB A outfall and reinstalled the silt fence where removed near the center of the run prior to the inspection on 3/29/22. Silt fence around the outfall was removed during tree clearing observed during the inspection on 7/19/22. E&A inspector will monitor to recommend reinstallation. Graves Development reinstalled the silt fence along and over the north side of Reynolds Street Culvert and the N 170th Street Culvert prior to the inspection on 7/26/22. The area of ground disturbance was stabilized by Dustin Wallis prior to the inspection on 9/21/22. A portion of the silt fence was removed along the north side of the Reynolds Street crossing prior to the inspection on 10/26/22. The silt fence should be reinstalled north of the Reynolds Street crossing. Graves Development was informed to complete by 11/28/22. Not done as of the last inspection. Graves Development was reminded on 12/30/22, 4/13/23 (CIR #18899), 4/28/23				
SF 3	Silt Fence	M6 - R2	4/27/2021	Active	No

Current Condition:	Good Condition - Legacy Homes installed the silt fence prior to E&A's first inspection on 2/23/21. JC Excavation was in the process of repairing/reinstalling the silt fence during the inspection on 4/21/21. Silt fence was formerly identified as SF 5. JC Excavation and Gene Graves installed silt fence along the north side of the N 170th Street crossing prior to the inspection on 10/25/21. JC Excavation and Gene Graves reinstalled/extended the silt fence south from the SB B outfall to the N 170th Street crossing prior to the inspection on 12/08/21. Tab Construction graded the N 170th Street culvert and removed the silt fence around the culvert in the process prior to the inspection on 3/02/22. Sudbeck cleaned out and trenched in the silt fence prior to the 3/22/22 inspection. Sudbeck reinstalled the silt fence where removed northwest of SB B, reinstalled silt fence along the north side of the site, and installed two checks along the north side of the site prior to the inspection on 3/29/22. Graves Development reinstalled the silt fence along and over the north side of the N 170th Street Culvert prior to the inspection on 7/26/22. Graves Development installed silt fence above and below the outfall prior to the inspection on 8/30/22. Graves Development was repairing the silt fence south of the crossing during the inspection on 9/28/22. Walvoord Excavating cleaned out the silt fence south of the N 170th crossing and removed the portion where the crossing was seeded/matted prior to the inspection on 10/05/22.				
SF 4	Silt Fence	M6 - R2		Removed	
Current Condition:	Removed - JC Excavation removed the northern half of the silt fence fabric prior to the inspection on 10/06/21. JC Excavation removed the remainder of the silt fence fabric prior to the inspection on 11/11/21.				
SF 5	Silt Fence	M6 - N3		Removed	
Current Condition:	Removed - Silt fence identified as SF 3 as of 4/27/21.				
SF 6	Silt Fence	H19		Removed	
Current Condition:	Removed - JC Excavation removed the silt fence on both sides of the creek prior to the inspection on 10/06/21.				
SF 7	Silt Fence	K6		Removed	
Current Condition:	Removed - JC Excavation removed the silt fence on both sides of the creek prior to the inspection on 10/06/21.				
SF 8	Silt Fence	R2		Removed	
Current Condition:	Removed - JC Excavation removed the silt fence prior to the inspection on 10/06/21.				
SF 9	Silt Fence	W15	6/28/2022	Active	No
Current Condition:	Good Condition - Graves Development installed a silt fence check prior to the inspection on 6/28/22.				
SF 10	Silt Fence	Along Streets	1/4/2023	Pending	Yes
Current Condition:	<p>Pending -</p> <p>Silt fence should be installed along the downslope curblines throughout the site as weather conditions allow.</p> <p>Graves Development was informed to complete by 1/04/23. Not done as of the last inspection. Graves Development was reminded on 4/13/23 (CIR #18899), 4/28/23</p>				
STR	Streets	On Site	4/2/2021	Active	Yes
Current Condition:	<p>Fair Condition - State Street was cleaned prior to the inspection on 6/01/21. Minor trackout was observed on N 170th Street during the inspection on 1/05/22. Graves Development cleaned Potter Street south of the site prior to the inspection on 6/28/22. Graves Development cleaned 171th Street prior to the inspection on 8/23/22. The street was cleaned prior to the inspection on 9/12/22. Graves Development partially cleaned the streets prior to the inspection on 2/01/23.</p> <p>Internal streets should be cleaned.</p> <p>Graves Development was informed to complete by 11/22/22. Not done as of the last inspection. Graves Development was reminded on 12/30/22, 4/13/23 (CIR #18899), 4/28/23</p>				
SWPPP Sign	SWPPP Signs	Adjacent to CE 3	4/21/2021	Active	No
Current Condition:	Good Condition - E&A inspector installed the SWPPP sign during the inspection on 4/21/21. E&A inspector moved the SWPPP sign to CE 3 during the inspection on 12/02/21. The SWPPP sign was damaged prior to the inspection on 9/28/22. E&A inspector reinstalled the SWPPP sign during the inspection on 11/15/22.				
WO 01	Concrete Washout	On Site		Removed	
Current Condition:	Removed - Tab Construction removed all concrete waste from the site prior to the inspection on 3/02/22.				
WO 02	Concrete Washout	On Site		Removed	
Current Condition:	Removed - Tab Construction removed the concrete washout prior to the inspection on 8/16/22.				
WO 03	Concrete Washout	Southeast of SB B		Removed	
Current Condition:	Removed - Tab Construction removed the concrete washout prior to the inspection on 8/30/22.				
WO 04	Concrete Washout	West of SB B		Removed	
Current Condition:	Removed - Tab Construction removed the concrete washout prior to the inspection on 8/9/22.				
WS 01	Waste Storage Area	On Site		Removed	
Current Condition:	Removed - The waste storage container was removed from the site prior to the inspection on 7/26/22.				
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: 