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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:	3/5/2022	68007
Project Location:	168th Street and State Street - Omaha, NE (Douglas County)	

Grading:	99%			
Sanitary Sewer:	55%			
Storm Sewer:	5%			
Paving:	0%			
Seeding:	35%			
Utilities:	0%			
Overall Development:	20%			

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"	3/2/2022	Sunny 75/26	9:55 AM	
Thursday	0.00"				
Friday	0.04"				
Saturday	0.29"				

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 (12/16/21). 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).**

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).**

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).

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:
Comments: Site was active for the Reynolds Street culvert construction during the current inspection.
Findings / Corrective Actions (Date):
Findings / Corrective Actions (Date): 1.) Some maintenance is required in the BMP section. 2.) CIR #15492 was received, reviewed, and sent to JC Excavation, Gene Graves, and Tab Construction on 12/03/21. -Per CIR #15492 dirt spoils in the seeding and matting along N 168th St. should be removed. JC Excavation and Gene Graves were informed to complete by 12/10/21. Not done as of the last inspection. JC Excavation and Gene Graves were reminded on 12/09/21. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22

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	9/21/2021	Active	Yes
Current Condition:	<p>Poor Condition - 45% effective - JC Excavation installed a construction entrance prior to the inspection on 9/21/21. JC Excavation added additional rock prior to the 9/28/21 inspection.</p> <p>1.) 2" rock should be added to the construction entrance. 2.) Per City inspector, a liner should be installed under the construction entrance.</p> <p>1.) JC Excavation and Gene Graves were informed to complete by 9/28/21. Not completed as of 09/28/21 inspection. JC Excavation was reminded on 10/04/21 (CIR #15132), 10/14/21, 11/03/21, 11/17/21 (CIR #15429), 11/24/21, 12/03/21 (CIR #15492), 12/09/21. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22 2.) JC Excavation and Gene Graves were informed to complete by 11/30/21. Not done as of the last inspection. JC Excavation and Gene Graves were reminded on 12/03/21 (CIR #15492), 12/09/21. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22</p>				
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.				
D 1	Diversion	O3 - U2	11/16/2021	Active	Yes
Current Condition:	<p>Fair 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.</p> <p>The diversion should be redefined into the basin.</p> <p>JC Excavation and Gene Graves were informed to complete by 12/15/21. Not done as of the last inspection. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22</p>				
D 2	Diversion	J18 - S27	9/28/2021	Pending	Yes
Current Condition:	<p>Pending - JC Excavation installed the diversion prior to the inspection on 10/25/21. JC Excavation redefined the diversion prior to the inspection on 11/16/21. Location of diversion was misidentified. As of 11/23/21, diversion is located at J18 to S27. Valley Corp partially removed the diversion during sanitary installation prior to the inspection on 12/02/21.</p> <p>The diversion should be reinstalled.</p> <p>Valley Corp was informed to complete by 12/15/21. Not done as of the last inspection. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22</p>				
D 3	Diversion	J15 - N6	10/28/2021	Active	Yes
Current Condition:	<p>Fair Condition - JC Excavation installed the diversion prior to the inspection on 10/28/21. JC Excavation and Gene Graves partially redefined the diversion prior to the inspection on 11/16/21. Location of diversion was misidentified. As of 11/23/21, diversion is located at J15 to N6. The diversion was partially graded out due to disking on site prior to the inspection 12/02/21.</p> <p>The diversion should be redefined where filling in/removed and extended north into SB B and regraded to flow into SB B.</p> <p>JC Excavation and Gene Graves were informed to complete by 11/10/21. Not done as of the last inspection. JC Excavation and Gene Graves were reminded on 11/17/21 (CIR #15429), 11/24/21, 12/03/21 (CIR #15492), 12/09/21. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22</p>				
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	11/23/2021	Active	Yes
Current Condition:	Fair Condition - Tab Construction placed a double-walled fuel tank on site prior to the inspection on 11/23/21. Per CIR #15492, a berm should be built around the fuel tank. Tab Construction was informed to complete by 12/10/21. Not done as of the last inspection. Tab Construction was reminded on 1/27/22				
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 03	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.				
SB A	Sediment Basin	E9	7/14/2021	Active	Yes
Current Condition:	Fair Condition - 5% 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 basin should be installed per the SWPPP (including the emergency spillway). JC Excavation and Gene Graves were informed to complete by 7/14/21. Not done as of the last inspection. JC Excavation and Gene Graves were reminded on 8/06/21, 8/26/21, 9/02/21, 9/23/21, 10/04/21 (CIR #15132), 10/14/21, 11/01/21, 11/03/21, 11/17/21 (CIR #15429), 11/24/21, 12/03/21 (CIR #15492), 12/09/21. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22				
SB B	Sediment Basin	O3	9/28/2021	Active	Yes
Current Condition:	Fair Condition - 5% 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. The basin should be installed per the SWPPP (including the emergency spillway). JC Excavation and Gene Graves were informed to complete by 9/28/21. Not completed as of 09/30/21 inspection. JC Excavation was reminded on 10/04/21 (CIR #15132), 10/14/21, 11/01/21, 11/03/21, 11/17/21 (CIR #15429), 11/24/21, 12/03/21 (CIR #15492), 12/09/21. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22				
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. 1.) The silt fence should be trenched in near the middle and south portion of the run, where damaged during cleanout. 2.) The silt fence should be repaired and cleaned out where sediment is escaping and the silt fence is full in multiple locations. 3.) The silt fence along the south side of the Reynolds Street crossing should be backfilled and extended over the culvert. 1.) JC Excavation and Gene Graves were informed to complete by 5/04/21. Not done as of the last inspection. JC Excavation and Gene Graves were reminded on 5/12/21, 5/20/21, 6/22/21, 6/30/21, 7/09/21, 8/06/21, 8/26/21, 9/02/21, 9/23/21, 10/04/21 (CIR #15132), 10/14/21, 11/03/21, 11/17/21 (CIR #15429), 11/24/21, 12/03/21 (CIR #15492), 12/09/21. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22 2.) JC Excavation and Gene Graves were informed to complete by 7/14/21. Not done as of the last inspection. JC Excavation and Gene Graves were reminded on 8/06/21, 8/26/21, 9/02/21, 9/23/21, 10/04/21 (CIR #15132), 10/14/21, 11/03/21, 11/17/21 (CIR #15429), 11/24/21, 12/03/21 (CIR #15492), 12/09/21. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22 3.) JC Excavation and Gene Graves were informed to complete by 11/10/21. Not done as of the last inspection. JC Excavation and Gene Graves were reminded on 11/17/21 (CIR #15429), 11/24/21, 12/03/21 (CIR #15492), 12/09/21. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22				
SF 2	Silt Fence	I17 - K7	4/27/2021	Active	Yes

<p>Current Condition:</p>	<p>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 N 170th Street crossing and the north side of the Reynolds Street crossing prior to the inspection on 10/25/21. The silt fence along the south side of the N 170th Street crossing was further damaged in the process of box culvert installation prior to the inspection on 1/19/22. 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. E&A inspector will monitor and update recommendations as work allows.</p> <p>1.) The silt fence should be repaired where damaged during cleanout. 2.) The silt fence should be fully cleaned out and repaired where full and blown out in multiple locations. 3.) The silt fence on the southwest side of the N 170th Street crossing should be backfilled and extended over the culvert and repaired where damaged. 4.) The silt fence along the north side of the Reynolds Street crossing should be cleaned out where full, extended over the culvert, and repaired where damaged.</p> <p>1.) JC Excavation and Gene Graves were informed to complete by 8/31/21. Not done as of the last inspection. JC Excavation and Gene Graves was reminded on 9/02/21, 9/23/21, 10/04/21 (CIR #15132), 10/14/21, 11/03/21, 11/17/21 (CIR #15429), 11/24/21, 12/03/21 (CIR #15492), 12/09/21. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22 2.) JC Excavation and Gene Graves were informed to complete by 9/07/21. Not done as of last inspection. JC Excavation and Gene Graves were reminded on 9/23/21, 10/04/21 (CIR #15132), 10/14/21, 11/03/21, 11/17/21 (CIR #15429), 11/24/21, 12/03/21 (CIR #15492), 12/09/21. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22 3.) JC Excavation and Gene Graves were informed to complete by 11/10/21. Not done as of the last inspection. JC Excavation and Gene Graves were reminded on 11/17/21 (CIR #15429), 11/24/21, 12/03/21 (CIR #15492), 12/09/21. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22 4.) JC Excavation and Gene Graves were informed to complete by 11/10/21. Not done as of the last inspection. JC Excavation and Gene Graves were reminded on 11/17/21 (CIR #15429), 11/24/21, 12/03/21 (CIR #15492), 12/09/21. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22</p>				
SF 3	Silt Fence	M6 - R2	4/27/2021	Active	Yes
<p>Current Condition:</p>	<p>Fair 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. JC Excavation repaired, backfilled, and cleaned out the silt fence prior to the inspection on 4/27/21. 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. Spoils were observed in the silt fence south of SB B during the inspection on 12/16/21. The silt fence along the north side of the N 170th Street crossing was further damaged in the process of box culvert installation prior to the inspection on 1/19/22. 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. E&A inspector will monitor and update recommendations as work allows.</p> <p>1.) The silt fence should be trenched in and backfilled along the north side and northwest corner of the site. 2.) J-hooks should be installed along the silt fence on the north side of the site. 3.) The silt fence should be cleaned out northwest of SB B. 4.) The silt fence should be reinstalled east along the north side of the site. 5.) The silt fence on the north side of the N 170th Street crossing should be backfilled and extended over the culvert and repaired where damaged.</p> <p>1.) JC Excavation and Gene Graves were informed to complete by 5/17/21. Not done as of the last inspection. JC Excavation and Gene Graves were reminded on 5/20/21, 6/22/21, 6/30/21, 7/09/21, 8/06/21, 8/26/21, 9/02/21, 9/23/21, 10/04/21 (CIR #15132), 10/14/21, 11/03/21, 11/17/21 (CIR #15429), 11/24/21, 12/09/21. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22 2.) JC Excavation and Gene Graves were informed to complete by 5/25/21. Not done as of the last inspection. JC Excavation and Gene Graves were reminded on 6/22/21, 6/30/21, 7/09/21, 8/06/21, 8/26/21, 9/02/21, 9/23/21, 10/04/21 (CIR #15132), 10/14/21, 11/03/21, 11/17/21 (CIR #15429), 11/24/21, 12/09/21. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22 3.) JC Excavation and Gene Graves were informed to complete by 11/10/21. Not done as of the last inspection. JC Excavation and Gene Graves were reminded on 11/17/21 (CIR #15429), 11/24/21, 12/03/21 (CIR #15492), 12/09/21. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22 4.) JC Excavation and Gene Graves were informed to complete by 11/10/21. Not done as of the last inspection. JC Excavation and Gene Graves were reminded on 11/17/21 (CIR #15429), 11/24/21, 12/03/21 (CIR #15492), 12/09/21. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22 5.) JC Excavation and Gene Graves were informed to complete by 11/10/21. Not done as of the last inspection. JC Excavation and Gene Graves were reminded on 11/17/21 (CIR #15429), 11/24/21, 12/03/21 (CIR #15492), 12/09/21. Gene Graves and Susan Mortensen were reminded on 2/02/22, 2/11/22</p>				
SF 4	Silt Fence	M6 - R2		Removed	
<p>Current Condition:</p>	<p>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.</p>				
SF 5	Silt Fence	M6 - N3		Removed	
<p>Current Condition:</p>	<p>Removed - Silt fence identified as SF 3 as of 4/27/21.</p>				
SF 6	Silt Fence	H19		Removed	
<p>Current Condition:</p>	<p>Removed - JC Excavation removed the silt fence on both sides of the creek prior to the inspection on 10/06/21.</p>				
SF 7	Silt Fence	K6		Removed	
<p>Current Condition:</p>	<p>Removed - JC Excavation removed the silt fence on both sides of the creek prior to the inspection on 10/06/21.</p>				
SF 8	Silt Fence	R2		Removed	
<p>Current Condition:</p>	<p>Removed - JC Excavation removed the silt fence prior to the inspection on 10/06/21.</p>				
STR	Streets	On Site	4/2/2021	Active	Yes
<p>Current Condition:</p>	<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.</p> <p>Potter Street should be cleaned south of the site.</p> <p>Graves Development was informed to complete by 2/02/22. Not done as of the last inspection. Graves Development was reminded on 2/11/22</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.				
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.				
WS 01	Waste Storage Area	On Site	5/1/2021	Pending	No
Current Condition:	Pending - The waste storage area will be installed as necessary.				
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: 