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E & A CONSULTING GROUP, INC.

Engineering Answers

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 Environmental Services Dept. Manager

**E&A - P2020.100.001**

Inspector: Alex Brown		Stage
Project Name:	<b>Golden Hills Phase II IA - 38142 - 37869</b>	1
For Week Ending:	<b>4/23/2022</b>	<b>51526</b>
Project Location:	<b>Golden Hills Drive &amp; Old Mormon Bridge Road (Crescent, Iowa)</b>	

Grading:	100%			
Sanitary Sewer:	100%			
Storm Sewer:	100%			
Paving:	100%			
Seeding:	70%			
Utilities:	100%			
Overall Development:	50%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	Time	
					<b>Week 1</b>
Sunday	0.00"				
Monday	0.00"				
Tuesday	0.00"	4/19/2022	Cloudy 52/29	9:50 AM	
Wednesday	0.01"				
Thursday	0.07"				
Friday	0.11"				
Saturday	0.00"				

**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 began in spring 2021; Entire site graded by fall 2021 (3/17/22).

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 began in spring 2021; Entire site graded by fall 2021 (3/17/22).

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

Existing vegetation (3/17/22). Slope along SW corner of the site seeded / matted in fall 2021 (3/17/22). Area west of Lot 33 and Lot 61 seeded / matted (3/29/22). North side of Silver Lane and east side of Copper Mountain Drive seeded / matted (3/29/22). South side of Silver Lane and west side of Copper Mountain Drive seeded / matted (4/5/22). Rear of Lots 58 - 60 partially seeded / matted (4/5/22). Disturbed area behind Lots 38 - 40 seeded / matted (4/5/22). Lots 34-40 and 59-61 sodded (4/12/22).

**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?**

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.**

No

**Create Corrective Action?**

No, see Findings Section

**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:**

1.) Site was active for home building during the last inspection.

**Findings / Corrective Actions (Date):**

**Findings / Corrective Actions (Date):**

1.) Some maintenance is required in the BMP section.

2.) E&A began inspecting the site on 3/17/22 after being contracted for SWPPP services by Neal Drickey.

3.) All disturbed areas, located north of active lots, that are not scheduled for imminent work should be temporarily stabilized. Neal Drickey was informed to complete by 3/24/22. Not done as of last inspection. Neal Drickey seeded/matted the ROW on the east side of Copper Mountain Drive prior to the 3/29/22 inspection. Neal Drickey seeded/matted the ROW on the west side of Copper Mountain Drive prior to the 4/5/22 inspection. E&A inspector will continue to monitor.

**Neal Drickey was reminded on 4/21/22**

**4.) The slope in the rear of lots 55 - 58 should be stabilized. Neal Drickey was informed to complete by 4/26/22.**

Unique Name	Type	Location	Projected Install Date	Status	Maintenance
CE 01	Construction Entrance	X3		Removed	
<b>Current Condition:</b>	Removed - Neal Drickey paved the entrance prior to the 3/17/22 inspection.				
CE 02	Construction Entrance	D6		Removed	
<b>Current Condition:</b>	Removed - Neal Drickey paved the entrance prior to the 3/17/22 inspection.				
CE A	Construction Entrance	BB7	4/1/2021	Active	Yes
<b>Current Condition:</b>	<p>Poor Condition - 5% effective - Neal Drickey installed the entrance prior to the 3/17/22 inspection.</p> <p>A 6" layer of 2" diameter rock should be added to the entrance, or the entrance should be stabilized and closed off to prevent anyone from accessing the site from this location.</p> <p>Neal Drickey was informed to complete by 3/24/22. Not done as of last inspection. <b>Neal Drickey was reminded on 4/21/22</b></p>				
DS 1 - 6	Diversion	See SWPPP	4/1/2021	Pending	Yes
<b>Current Condition:</b>	<p>Pending - Due to progress of lot-level construction, installation DS 1, DS 2, and DS 3 is not recommended as of 3/24/22. Existing perimeter silt fence is adequately containing sediment around CE 1, so installation of DS 5 and DS 6 is not recommended as of 3/24/22. E&amp;A inspector will continue to monitor.</p> <p>Diversion 4 should be installed.</p> <p>Neal Drickey was informed to complete by 3/31/22. Not done as of last inspection.</p>				
DS A - O	Diversion	See SWPPP	4/1/2021	Active	Yes
<b>Current Condition:</b>	<p>Good Condition - Neal Drickey installed DS B and DS I - M prior to the 3/17/22 inspection. DS A is not indicated on the SWPPP map, so installation will not be recommended. Installation of DS C, DC E - H and DS O is not recommended as of 3/17/22 due to progress of lot-level construction and existing grade of the site. E&amp;A inspector will continue to monitor.</p> <p>1.) Diversions B, I, J, K, L, and M should be re-defined to funnel runoff into the sediment traps. 2.) Diversions D and N should be installed.</p> <p>1.) Neal Drickey was informed to complete by 3/31/22. Not done as of last inspection. 2.) Neal Drickey was informed to complete by 3/31/22. Not done as of last inspection.</p>				
ECM 1	Erosion Control Matting	SW Corner	4/1/2021	Active	No
<b>Current Condition:</b>	Good Condition - Neal Drickey installed the erosion control matting along the slope prior to the 3/17/22 inspection. Neal Drickey extended the matting north and east to cover lots 38-40 and 35-40 prior to the 4/5/22 inspection.				
ECM 2	Erosion Control Matting	East Side of Copper Mountain Drive	3/29/2022	Active	No
<b>Current Condition:</b>	Good Condition - Neal Drickey installed the erosion control matting along the ROW of Copper Mountain Drive and Silver Lane prior to the 3/29/22 inspection.				
ECM 3	Erosion Control Matting	West Side of Copper Mountain Drive	4/5/2022	Active	No
<b>Current Condition:</b>	Good Condition - Neal Drickey installed the erosion control matting along the ROW of Copper Mountain Drive and Silver Lane prior to the 4/5/22 inspection.				
ECM 3	Erosion Control Matting	Western Perimeter	4/5/2022	Active	No
<b>Current Condition:</b>	Good Condition - Neal Drickey installed the erosion control matting along several sections of SF 3 prior to the 4/5/22 inspection.				
FT 01	Fuel Tank	On Site	3/17/2022	Active	No
<b>Current Condition:</b>	Good Condition - Neal Drickey installed a fuel tank north of SB A prior to the 3/17/22 inspection. Neal Drickey built a berm around the fuel tank prior to the 4/5/22 inspection.				
IP 1 - 10	Inlet Protection	On Site	3/24/2022	Pending	Yes
<b>Current Condition:</b>	<p>Pending -</p> <p>Inlet protection should be installed on the ten grate inlets on Silver Lane.</p> <p>Neal Drickey was informed to complete by 3/24/22. Not done as of last inspection. <b>Neal Drickey was reminded on 4/21/22</b></p>				
Lot 33	Individual Lot	Lot 33		Removed	
<b>Current Condition:</b>	Removed - Neal Drickey sodded the lot prior to the 4/5/22 inspection.				
Lot 34	Individual Lot	Lot 34		Removed	
<b>Current Condition:</b>	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
Lot 35	Individual Lot	Lot 35		Removed	

<b>Current Condition:</b>	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
Lot 36	Individual Lot	Lot 36		Removed	
<b>Current Condition:</b>	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
Lot 37	Individual Lot	Lot 37		Removed	
<b>Current Condition:</b>	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
Lot 38	Individual Lot	Lot 38		Removed	
<b>Current Condition:</b>	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
Lot 39	Individual Lot	Lot 39		Removed	
<b>Current Condition:</b>	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
Lot 40	Individual Lot	Lot 40		Removed	
<b>Current Condition:</b>	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
Lot 54	Individual Lot	Lot 54	3/17/2022	Active	No
<b>Current Condition:</b>	Good Condition - Neal Drickey began building on the lot prior to the 3/17/22 inspection. Neal Drickey installed SF I as a perimeter control along the northeast perimeter of the lot prior to the 4/5/22 inspection.				
Lot 55	Individual Lot	Lot 55	3/17/2022	Active	Yes
<b>Current Condition:</b>	Fair Condition - Neal Drickey began building on the lot prior to the 3/17/22 inspection. Neal Drickey installed silt fence on the northeast corner of the lot prior to the 4/5/22 inspection.  Wattles should be installed along the front of the lot.  Neal Drickey was informed to complete by 3/24/22. Not done as of last inspection. <b>Neal Drickey was reminded on 4/21/22</b>				
Lot 56	Individual Lot	Lot 56	3/17/2022	Pending	Yes
<b>Current Condition:</b>	Pending - Neal Drickey began building on the lot prior to the 3/17/22 inspection.  Wattles should be installed along the front of the lot.  Neal Drickey was informed to complete by 3/24/22. Not done as of last inspection. <b>Neal Drickey was reminded on 4/21/22</b>				
Lot 57	Individual Lot	Lot 57	3/17/2022	Pending	Yes
<b>Current Condition:</b>	Pending - Neal Drickey began building on the lot prior to the 3/17/22 inspection.  Wattles should be installed along the front of the lot.  Neal Drickey was informed to complete by 3/24/22. Not done as of last inspection. <b>Neal Drickey was reminded on 4/21/22</b>				
Lot 58	Individual Lot	Lot 58	3/17/2022	Pending	Yes
<b>Current Condition:</b>	Pending - Neal Drickey began building on the lot prior to the 3/17/22 inspection.  Wattles should be installed along the front of the lot.  Neal Drickey was informed to complete by 3/24/22. Not done as of last inspection. <b>Neal Drickey was reminded on 4/21/22</b>				
Lot 59	Individual Lot	Lot 59		Removed	
<b>Current Condition:</b>	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
Lot 60	Individual Lot	Lot 60		Removed	
<b>Current Condition:</b>	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
Lot 61	Individual Lot	Lot 61		Removed	
<b>Current Condition:</b>	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
MS 01	Material Storage	On Site	4/1/2021	Active	No
<b>Current Condition:</b>	Good Condition - Neal Drickey added a designated material storage area prior to the 3/17/22 inspection.				
SB 1	Sediment Basin	N of CE 1	4/1/2021	Active	Yes
<b>Current Condition:</b>	Poor Condition - Neal Drickey installed the sediment basin prior to the 3/17/22 inspection. <b>The E&amp;A inspector painted the cleanout mark on the riser during the 4/19/22 inspection.</b>  The basin should be installed per the SWPPP plan, including a berm around all sides, anti-vortex device, emergency spillway, and properly elevated dewatering holes.  Neal Drickey was informed to complete by 3/24/22. Not done as of last inspection. <b>Neal Drickey was reminded on 4/21/22</b>				
SF 1 - 3	Silt Fence	See SWPPP	4/1/2021	Active	Yes
<b>Current Condition:</b>	Fair Condition - Neal Drickey installed SF 3 prior to the 4/20/21 inspection. Due to stabilization of Lot 33, installation of SF 2 is no longer recommended as of 4/5/22. Neal Drickey cleaned out, repaired, and extended SF 3 prior to the 4/5/22 inspection. Due to stabilization of Lot 61, installation of SF 1 is no longer recommended as of 4/12/22.  SF 3 should be cleaned out where full in the rear of Lot 58.  <b>Neal Drickey was informed to complete by 4/26/22.</b>				
SF A - Q	Silt Fence	See SWPPP	4/1/2021	Active	No
<b>Current Condition:</b>	Good Condition - Neal Drickey installed SF A-D and SF L, M, O, P prior to the 3/17/22 inspection. Neal Drickey removed SF C and D during lot-level fine grading prior to the 3/29/22 inspection. Reinstallation will not be recommended. Due to seeding / matting behind lot 61, reinstallation of SF N is no longer recommended as of the 3/29/22 inspection. E&A inspector will continue to monitor. Neal Drickey removed SF B and installed SF I prior to the 4/5/22 inspection. SF I is adequately containing sediment, so installation of SF H is no longer recommended as of 4/5/22. E&A inspector will continue to monitor. <b>Due to sodding of upgradient lots, installation of SF E is no longer recommended as of 4/19/22. E&amp;A inspector will continue to monitor.</b>				
ST A - K	Sediment Trap	See SWPPP	4/1/2021	Active	No
<b>Current Condition:</b>	Good Condition - Neal Drickey installed ST B and SD D - J prior to the 3/17/22 inspection. Due to progress of lot-level construction and storage capacity of ST D, installation of ST K is not recommended as of 3/24/22. E&A inspector will continue to monitor. Neal Drickey installed ST A and ST C prior to the 3/29/22 inspection.				

STR	Streets	On Site	4/1/2021	Active	Yes
<b>Current Condition:</b>	Fair Condition - Trackout was observed on Copper Mountain Drive during the 3/17/22 inspection. Neal Drickey cleaned the streets prior to the 4/5/22 inspection. More effort is needed to clean streets around active lots. Streets around active lots should be cleaned daily or as needed. Neal Drickey was informed to complete by 3/18/22. Not done as of last inspection. <b>Neal Drickey was reminded on 4/21/22</b>				
SWPPP Sign	SWPPP Sign	On Site	3/31/2022	Pending	Yes
<b>Current Condition:</b>	Pending - The SWPPP sign should be installed. The E&A inspector will order the sign by 3/24/22 and install after the sign arrives.				
W 1	Straw Wattles	East Side of Copper Mountain Drive	3/29/2022	Active	No
<b>Current Condition:</b>	Good Condition - Neal Drickey installed the wattles along the ROW of Copper Mountain Drive and Silver Lane prior to the 3/29/22 inspection.				
W A - H	Straw Wattles	See SWPPP	4/5/2022	Active	No
<b>Current Condition:</b>	Good Condition - Neal Drickey installed erosion control matting in place of W A, installed W B, and installed silt fence in place of W C prior to the 4/5/22 inspection. Due to progress of lot-level construction, installation of W D - H is not recommended. E&A inspector will continue to monitor.				
WO 1	Concrete Washout	On site	3/24/2022	Active	No
<b>Current Condition:</b>	Good Condition - Neal Drickey cleaned up the concrete waste and installed a designated concrete washout east of SB 1 prior to the 4/5/22 inspection.				
WS 01	Waste Storage Area	On site	4/1/2021	Pending	No
<b>Current Condition:</b>	Pending - Dumpsters were in place on individual lots during the 3/17/22 inspection. General site waste storage will be recommended as necessary. E&A inspector will continue to monitor.				
WT A - H	Wattles	See SWPPP		Removed	
<b>Current Condition:</b>	Removed - Maintenance for wattles will be assigned to individual lots as 3/17/22.				
<b>Certification Statement</b>	"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: 