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E & A CONSULTING GROUP, INC.

Engineering Answers

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

E&A - P2020.100.002

Inspector: Rhett DeLay		Stage
Project Name:	Golden Hills Phase II IA - 38142 - 37869	1
For Week Ending:	9/3/2022	51526
Project Location:	Golden Hills Drive & Old Mormon Bridge Road (Crescent, Iowa)	

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	
					Week 1
Sunday	0.00"				
Monday	0.01"				
Tuesday	0.00"	8/30/2022	Clear 82/58	8:45:00 AM	
Wednesday	0.00"				
Thursday	0.00"				
Friday	0.00"				
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). Grading in the northeast quarter of the site (5/17/22).

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). Grading in the northeast quarter of the site (5/17/22).

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). Rear of Lots 55 - 57 seeded / matted (7/26/22).

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 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, 5/24/22, 6/24/22, 7/20/22. Grading and dirt work are taking place in this area as of the 7/26/22 inspection and stabilization is no longer recommended. E&A inspector will continue to monitor. 4.) The erosion rills should be repaired by CE 1, behind lots 54 - 57, and along the disturbed slope behind lot 35. The disturbed areas should be stabilized. Neal Drickey was informed to complete by 7/26/22. Neal Drickey repaired the erosion rills behind lots 55-57 and seeded/matted the slope prior to the 7/26/22 inspection. The erosion rills by CE and behind lot 35 have not been stabilized as of last inspection. Neal Drickey was reminded on 8/3/22

Unique Name	Type	Location	Projected Install Date	Status	Maintenance
CE 01	Construction Entrance	X3		Removed	
Current Condition:	Removed - Neal Drickey paved the entrance prior to the 3/17/22 inspection.				
CE 02	Construction Entrance	D6		Removed	
Current Condition:	Removed - Neal Drickey paved the entrance prior to the 3/17/22 inspection.				
CE A	Construction Entrance	BB7	4/1/2021	Active	Yes
Current Condition:	Poor Condition - 5% effective - Neal Drickey installed the entrance prior to the 3/17/22 inspection. 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. Neal Drickey was informed to complete by 3/24/22. Not done as of last inspection. Neal Drickey was reminded on 4/21/22, 5/24/22, 6/24/22, 7/20/22, 8/3/22, 8/16/22				
DS 1 - 6	Diversion	See SWPPP	4/1/2021	Active	Yes
Current Condition:	Fair Condition - 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&A inspector will continue to monitor. Southern 1/3 of DS 4 near ST E was installed prior to inspection on 8/23/22. Diversion 4 should be installed. Neal Drickey was informed to complete by 3/31/22. Not done as of last inspection. Neal Drickey was reminded on 5/24/22, 6/24/22, 7/20/22				
DS A - O	Diversion	See SWPPP	4/1/2021	Active	Yes
Current Condition:	Fair 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&A inspector will continue to monitor. Neal Drickey removed DS B, I, J, K, L and M prior to the 8/9/22 inspection. Due to grading and lot-level construction in the area, reinstallation will not be recommended. Diversion D and N should be installed. Neal Drickey was informed to complete by 3/31/22. Not done as of last inspection. Neal Drickey was reminded on 5/24/22, 6/24/22, 7/20/22				
ECM 1	Erosion Control Matting	SW Corner	4/1/2021	Active	No
Current Condition:	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
Current Condition:	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. Some of the matting was removed for utility work prior to the 4/26/22 inspection. E&A inspector will continue to monitor.				
ECM 3	Erosion Control Matting	West Side of Copper Mountain Drive	4/5/2022	Active	No
Current Condition:	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
Current Condition:	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
Current Condition:	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

Current Condition:	Pending - Inlet protection should be installed on the ten grate inlets on Silver Lane. Neal Drickey was informed to complete by 3/24/22. Not done as of last inspection. Neal Drickey was reminded on 4/21/22, 5/24/22, 6/24/22, 7/20/22, 8/3/22, 8/16/22				
Lot 33	Individual Lot	Lot 33		Removed	
Current Condition:	Removed - Neal Drickey sodded the lot prior to the 4/5/22 inspection.				
Lot 34	Individual Lot	Lot 34		Removed	
Current Condition:	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
Lot 35	Individual Lot	Lot 35		Removed	
Current Condition:	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
Lot 36	Individual Lot	Lot 36		Removed	
Current Condition:	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
Lot 37	Individual Lot	Lot 37		Removed	
Current Condition:	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
Lot 38	Individual Lot	Lot 38		Removed	
Current Condition:	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
Lot 39	Individual Lot	Lot 39		Removed	
Current Condition:	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
Lot 40	Individual Lot	Lot 40		Removed	
Current Condition:	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
Lot 41	Individual Lot	Lot 41	8/2/2022	Active	Yes
Current Condition:	Active - Neal Drickey began excavating the lot prior to the 8/2/22 inspection. Sanitary sewer began installation in front of lot prior to the 8/23/22 inspection. E&A will continue to monitor for recommendations after work is complete. 1.) Concrete waste should be cleaned up from the lot. 2.) Erosion rills on the southeast of the lot should be repaired 1.) Neal Drickey was informed to complete by 8/9/22. Not done as of last inspection. Neal Drickey was reminded on 8/16/22 2.) Neal Drickey was informed to complete by 8/30/22. Not done as of last inspection.				
Lot 42	Individual Lot	Lot 42	8/2/2022	Active	Yes
Current Condition:	Active - Neal Drickey began excavating the lot prior to the 8/2/22 inspection. Sanitary sewer began installation in front of lot prior to the 8/23/22 inspection. E&A will continue to monitor for recommendations after work is complete. Concrete waste should be cleaned up from the lot. Neal Drickey was informed to complete by 8/9/22. Not done as of last inspection. Neal Drickey was reminded on 8/16/22				
Lot 43	Individual Lot	Lot 43	8/2/2022	Active	Yes
Current Condition:	Active - Neal Drickey began excavating the lot prior to the 8/2/22 inspection. Sanitary sewer began installation in front of lot prior to the 8/23/22 inspection. E&A will continue to monitor for recommendations after work is complete. Concrete waste should be cleaned up from the lot. Neal Drickey was informed to complete by 8/9/22. Not done as of last inspection. Neal Drickey was reminded on 8/16/22				
Lot 54	Individual Lot	Lot 54	3/17/2022	Active	No
Current Condition:	Good Condition - Neal Drickey began building on the lot prior to the 3/17/22 inspection. Neal Drickey installed SF 1 as a perimeter control along the northeast perimeter of the lot prior to the 4/5/22 inspection. Neal Drickey installed wattles along the south side of the driveway prior to the 4/26/22 inspection.				
Lot 55	Individual Lot	Lot 55	3/17/2022	Active	Yes
Current Condition:	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. Neal Drickey installed wattles along the south side of the driveway prior to the 4/26/22 inspection. Existing wattles are adequately containing sediment as of the 5/24/22 inspection, so additional wattles are no longer recommended. E&A inspector will continue to monitor. Wattles on the upgradient side of the driveway should be cleaned out. Neal Drickey was informed to complete by 7/12/22. Not done as of last inspection. Neal Drickey was reminded on 7/14/22, 8/3/22, 8/16/22				
Lot 56	Individual Lot	Lot 56	3/17/2022	Active	Yes
Current Condition:	Fair Condition - Neal Drickey began building on the lot prior to the 3/17/22 inspection. Neal Drickey installed wattles along the south side of the driveway prior to the 4/26/22 inspection. Existing wattles are adequately containing sediment as of the 5/24/22 inspection, so additional wattles are no longer recommended. E&A inspector will continue to monitor. Wattles on the upgradient side of the driveway should be cleaned out. Neal Drickey was informed to complete by 7/12/22. Not done as of last inspection. Neal Drickey was reminded on 7/14/22, 8/3/22, 8/16/22				
Lot 57	Individual Lot	Lot 57	3/17/2022	Active	Yes
Current Condition:	Fair Condition - Neal Drickey began building on the lot prior to the 3/17/22 inspection. Neal Drickey installed wattles along the south side of the driveway prior to the 4/26/22 inspection. Existing wattles are adequately containing sediment as of the 5/24/22 inspection, so additional wattles are no longer recommended. E&A inspector will continue to monitor. Wattles on the upgradient side of the driveway should be cleaned out. Neal Drickey was informed to complete by 7/12/22. Not done as of last inspection. Neal Drickey was reminded on 7/14/22, 8/3/22, 8/16/22				

Lot 58	Individual Lot	Lot 58		Removed	
Current Condition:	Removed - Neal Drickey sodded the lot prior to the 5/17/22 inspection.				
Lot 59	Individual Lot	Lot 59		Removed	
Current Condition:	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
Lot 60	Individual Lot	Lot 60		Removed	
Current Condition:	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
Lot 61	Individual Lot	Lot 61		Removed	
Current Condition:	Removed - Neal Drickey sodded the lot prior to the 4/12/22 inspection.				
MS 01	Material Storage	On Site	4/1/2021	Active	No
Current Condition:	Good Condition - Neal Drickey added a designated material storage area prior to the 3/17/22 inspection.				
PB X	Portable Bathroom	On Site	7/12/2022	Active	Yes
Current Condition:	Fair Condition - Neal Drickey placed a portable toilet on Lot 49 prior to the 7/12/22 inspection. The portable toilet should be secured. Neal Drickey was informed to complete by 7/19/22. Not done as of last inspection. Neal Drickey was reminded on 8/3/22, 8/16/22				
SB 1	Sediment Basin	N of CE 1	4/1/2021	Active	Yes
Current Condition:	Poor Condition - 10% filled - Neal Drickey installed the sediment basin prior to the 3/17/22 inspection. The E&A inspector painted the cleanout mark on the riser during the 4/19/22 inspection. 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. Neal Drickey was reminded on 4/21/22, 5/24/22, 6/24/22, 7/20/22, 8/3/22, 8/16/22				
SF 1 - 3	Silt Fence	See SWPPP	4/1/2021	Active	Yes
Current Condition:	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. 1.) SF 3 should be cleaned out where full in the rear of Lot 58, or the area around the silt fence should be stabilized. 2.) SF 3 should be cleaned out where full in additional locations north of Lots 54 - 57, or the area around the silt fence should be stabilized. 1.) Neal Drickey was informed to complete by 4/26/22. Not done as of last inspection. Neal Drickey was reminded on 5/24/22, 6/24/22, 7/20/22, 8/3/22, 8/16/22 2.) Neal Drickey was informed to complete by 5/31/22. Not done as of last inspection. Neal Drickey was reminded on 6/24/22, 7/20/22, 8/3/22, 8/16/22				
SF A - Q	Silt Fence	See SWPPP	4/1/2021	Active	Yes
Current Condition:	Fair 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. Due to sodding of upgradient lots, installation of SF E is no longer recommended as of 4/19/22. E&A inspector will continue to monitor. Minor damage was observed to SF L during the 5/3/22 inspection. E&A inspector will continue to monitor. Neal Drickey removed SF L, M, and O prior to the 8/2/22 inspection. Vegetation has covered 70% of exposed dirt near SF L, M, O prior to the inspection on 8/23/22. E&A inspector will continue to monitor. Silt fence should be installed around the ground disturbance in the northeast quadrant of the site. Neal Drickey was informed to complete by 7/26/22. Not done as of last inspection. Neal Drickey was reminded on 8/3/22, 8/16/22				
ST A - K	Sediment Trap	See SWPPP	4/1/2021	Active	No
Current Condition:	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. Neal Drickey reinstalled ST G, H, I, and J prior to the 5/17/22 inspection. Neal Drickey cleaned out ST C prior to the 8/2/22 inspection. Neal Drickey cleaned out ST A and removed ST B, ST G, H, I, and J prior to the 8/9/22 inspection. Due to grading and lot-level construction in the area, reinstallation will not be recommended.				
STR	Streets	On Site	4/1/2021	Active	No
Current Condition:	Good 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. Neal Drickey cleaned the streets prior to the 5/17/22 inspection. No major signs of trackout were observed during the most recent inspection. Neal Drickey cleaned the streets prior to the 8/23/22 inspection. No major signs of trackout were observed during the most recent inspection.				
SWPPP Sign	SWPPP Sign	On Site	3/31/2022	Active	No
Current Condition:	Good Condition - The E&A inspector installed the sign north of the Silver Lane entrance during the 4/26/22 inspection.				
W 1	Straw Wattles	East Side of Copper Mountain Drive	3/29/2022	Active	No
Current Condition:	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
Current Condition:	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

Current Condition:	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
Current Condition:	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	
Current Condition:	Removed - Maintenance for wattles will be assigned to individual lots as 3/17/22.				
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:	
				