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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: Ethan Anderson | | Stage |
| Project Name: | Golden Hills Phase II IA - 38142 - 37869 | 1 |
| For Week Ending: | 12/21/2024 | 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: | 70% | | | |

| RAIN FALL AMOUNTS | Amount in tenths | Date inspected | Weather Conditions | Time | Storm Event Times |
|-------------------|------------------|----------------|--------------------|----------|-------------------|
| | | | | | Week 1 |
| Sunday | 0.00" | | | | |
| Monday | 0.00" | | | | |
| Tuesday | 0.00" | 12/17/2024 | Cloudy 39/25 | 12:20 PM | |
| Wednesday | 0.00" | | | | |
| Thursday | 0.00" | | | | |
| Friday | 0.00" | | | | |
| Saturday | 0.00" | | | | |

| | |
|--------------------|-------|
| Complaints: | None. |
|--------------------|-------|

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). Excavation of hillside on northeast portion of site (11/8/22). Minor ground disturbance for mailbox installation (11/28/22). Sidewalk installation active along lots 41, 42, and 43 (1/10/23). Tree removal and grubbing on northeast corner of site (1/24/23) Grading on the northeast corner of the site (5/11/23).

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). Excavation of hillside on northeast portion of site (11/8/22). Minor ground disturbance for mailbox installation (11/28/22). Sidewalk installation active along lots 41, 42, and 43 (1/10/23). Tree removal and grubbing on northeast corner of site (1/24/23) Grading on the northeast corner of the site (5/11/23).

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). Rear of lot 42 seeded / matted (11/8/22). ST K removed and area seeded (5/18/23). Rear of Lots 51 - 53 seeded / matted (2/27/24).

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:
 1.) Site was inactive during the most recent inspection.

Findings / Corrective Actions (Date):
 Findings / Corrective Actions (Date):
 1.) Some maintenance is required in the BMP section.

| 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: | <p>Poor Condition - 5% effective - Neal Drickey installed the entrance prior to the 3/17/22 inspection. CE A is no longer effective; a negligible amount of rock remains present (2/14/23). CE A continues to experience use despite its ineffectiveness (2/28/23). CE A was compacted without the addition of rock to the entrance prior to the 3/21/23 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. Neal Drickey was reminded on 4/21/22, 5/24/22, 6/24/22, 7/20/22, 8/3/22, 8/16/22, 11/9/22, 11/30/22, 2/03/23, 4/19/23, 5/19/23, 6/16/23, 7/13/23, 7/28/23, 9/28/23, 10/13/23, 11/3/23, 11/29/23, 1/3/24, 2/7/24, 3/13/24, 4/17/24, 5/23/24, 7/3/24, 8/14/24, 9/25/24, 11/6/24, 12/17/24</p> | | | | |
| DS 1 - 6 | Diversion | See SWPPP | | Removed | |
| Current Condition: | Removed - Due to progress of lot-level construction diversions 1-6 will no longer be recommended as of the 11/01/2022 inspection. | | | | |
| DS A - O | Diversion | See SWPPP | | Removed | |
| Current Condition: | Removed - Neal Drickey removed the diversion to excavate lot 47 prior to the inspection on 12/10/24. | | | | |
| 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. | | | | |
| ECM 4 | Erosion Control Matting | West of Golden Hills Dr | 2/27/2024 | Active | No |
| Current Condition: | Good Condition - Neal Drickey installed the erosion control matting behind lots 51, 52 and 53 prior to the inspection on 2/27/24. | | | | |
| 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. Neal Drickey moved the fuel tank to along Copper Mountain Dr. and installed a berm around the fuel tank prior to the inspection on 12/5/23. | | | | |
| IP 1 - 10 | Inlet Protection | On Site | 3/24/2022 | Pending | Yes |
| Current Condition: | <p>Pending - Neal Drickey sodded multiple lots along Silver Lane prior to the inspection on 11/21/23 and inlet protection is no longer needed on the adjacent inlets.</p> <p>Inlet protection should be installed on the grate inlets on Silver Lane.</p> <p>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, 11/9/22, 11/30/22, 2/03/23, 4/19/23, 5/19/23, 6/16/23, 7/13/23, 7/28/23, 9/28/23, 10/13/23, 11/3/23, 11/29/23, 1/3/24, 2/7/24, 3/13/24, 4/17/24, 5/23/24, 7/3/24, 8/14/24, 9/25/24, 11/6/24, 12/17/24</p> | | | | |
| Lot 41 | Individual Lot | Lot 41 | | Removed | |
| Current Condition: | Removed- Neal Drickey sodded the lot prior to the inspection on 5/25/23. | | | | |
| Lot 42 | Individual Lot | Lot 42 | | Removed | |
| Current Condition: | Removed- Neal Drickey sodded the lot prior to the inspection on 5/25/23. | | | | |
| Lot 43 | Individual Lot | Lot 43 | | Removed | |
| Current Condition: | Removed- Neal Drickey sodded the lot prior to the inspection on 5/25/23. | | | | |
| Lot 44 | Individual Lot | Lot 44 | | Removed | |
| Current Condition: | Removed- Neal Drickey sodded the lot prior to the inspection on 6/11/24. | | | | |
| Lot 45 | Individual Lot | Lot 45 | | Removed | |
| Current Condition: | Removed- Neal Drickey sodded the lot prior to the inspection on 6/11/24. | | | | |
| Lot 46 | Individual Lot | Lot 46 | 10/22/2024 | Pending | Yes |

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|----------|---------------------------|--|------------|---------|-----|--|
| | Current Condition: | Pending - Neal Drickey began excavating the lot prior to the inspection on 10/22/24. Dirt piles were observed in the ROW during the inspection on 10/22/24. E&A inspector will monitor for dirt removal. Silt fence or wattles should be installed on the lot. Neal Drickey was informed to complete by 11/12/24. Not done as of last inspection. Neal Drickey was reminded on 12/17/24 | | | | |
| Lot 47 | Individual Lot | Lot 47 | 12/10/2024 | Pending | Yes | |
| | Current Condition: | Pending - Neal Drickey began excavating the lot prior to the inspection on 12/10/24. Dirt piles were observed in the ROW during the inspection on 12/10/24. E&A inspector will monitor for dirt removal. Silt fence or wattles should be installed on the lot. Neal Drickey was informed to complete by 12/24/24. | | | | |
| Lot 48 | Individual Lot | Lot 48 | 12/10/2024 | Pending | Yes | |
| | Current Condition: | Pending - Neal Drickey began excavating the lot prior to the inspection on 12/10/24. Dirt piles were observed in the ROW during the inspection on 12/10/24. E&A inspector will monitor for dirt removal. Silt fence or wattles should be installed on the lot. Neal Drickey was informed to complete by 12/24/24. | | | | |
| Lot 49 | Individual Lot | Lot 49 | 12/17/2024 | Pending | Yes | |
| | Current Condition: | Pending - Neal Drickey began excavating the lot prior to the inspection on 12/17/24. Dirt piles were observed in the ROW during the inspection on 12/17/24. E&A inspector will monitor for dirt removal. Silt fence or wattles should be installed on the lot. Neal Drickey was informed to complete by 12/24/24. | | | | |
| Lot 50 | Individual Lot | Lot 50 | 12/17/2024 | Pending | Yes | |
| | Current Condition: | Pending - Neal Drickey began excavating the lot prior to the inspection on 12/17/24. Dirt piles were observed in the ROW during the inspection on 12/17/24. E&A inspector will monitor for dirt removal. Silt fence or wattles should be installed on the lot. Neal Drickey was informed to complete by 12/24/24. | | | | |
| Lot 51 | Individual Lot | Lot 51 | | Removed | | |
| | Current Condition: | Removed- Neal Drickey sodded the lot prior to the inspection on 11/21/23. | | | | |
| Lot 52 | Individual Lot | Lot 52 | | Removed | | |
| | Current Condition: | Removed- Neal Drickey sodded the lot prior to the inspection on 11/21/23. | | | | |
| Lot 53 | Individual Lot | Lot 53 | | Removed | | |
| | Current Condition: | Removed- Neal Drickey sodded the lot prior to the inspection on 11/21/23. | | | | |
| 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. Lots 44 and 45 are being used as construction material staging areas. No BMPs are being recommended for these lots since there is no active grading. | | | | |
| 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 or removed. 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, 11/9/22, 11/30/22, 2/03/23, 4/19/23, 5/19/23, 6/16/23, 7/13/23, 7/28/23, 9/28/23, 10/13/23, 11/3/23, 11/29/23, 1/3/24, 2/7/24, 3/13/24, 4/17/24, 5/23/24, 7/3/24, 8/14/24, 9/25/24, 11/6/24, 12/17/24 | | | | |
| SB 1 | Sediment Basin | N of CE 1 | 4/1/2021 | Active | Yes | |
| | Current Condition: | Fair Condition - 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. Neal Drickey was in the process of digging out the basin prior to the inspection on 12/10/24. The basin riser, outfall pipe, and rip rap should be removed and the area compacted and stabilized. Neal Drickey was informed to complete by 12/24/24. | | | | |
| 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. Neal Drickey removed a northern section of the silt fence prior to the inspection on 2/20/24. Silt fence can be removed. Neal Drickey was informed to complete by 4/23/24. Not done as of last inspection. Neal Drickey was reminded on 5/23/24, 7/3/24, 8/14/24, 9/25/24, 11/6/24, 12/17/24 | | | | |
| SC 1 | Silt Fence | Rear of lots 51-53 | 2/20/2024 | Active | No | |
| | Current Condition: | Good Condition - Neal Drickey was installing silt checks during the inspection on 2/20/24. Neal Drickey repaired the silt fence prior to the inspection on 4/30/24. Neal Drickey repaired the silt checks prior to the inspection on 5/28/24. Neal Drickey removed the silt fence and installed wattles in its place prior to the inspection on 6/11/24. | | | | |
| 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. Ground disturbance is minimal in the northeast quadrant of the site. E&A inspector will continue to monitor. Silt fence can be removed. Neal Drickey was informed to complete by 4/23/24. Not done as of last inspection. Neal Drickey was reminded on 5/23/24, 7/3/24, 8/14/24, 9/25/24, 11/6/24, 12/17/24 | | | | |
| ST A - K | Sediment Trap | See SWPPP | | Removed | |
| Current Condition: | Removed - Neal Drickey Removed sediment trap D prior to the inspection on 6/15/23. All Sediment traps have been removed. | | | | |
| 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. Neal Drickey cleaned the streets prior to the 2/21/23 inspection. Neal Drickey cleaned the streets prior to the inspection on 6/8/23. Neal Drickey scraped the streets prior to the inspection on 1/16/24. Neal Drickey cleaned the street prior to the inspection on 8/6/24. | | | | |
| 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. E&A inspector updated the SWPPP sign with the correct permit information during the 1/3/2023 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 | | Removed | |
| Current Condition: | Removed- Neal Drickey removed the remaining wattles prior to the inspection on 8/17/23. | | | | |
| 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. Some minor concrete waste was observed on site near active lots 41-43 during the 3/28/23 inspection. There appeared to be no hole in the concrete washout during the inspection on 10/12/23. Neal Drickey cleaned out the concrete washout prior to the inspection on 12/12/23. | | | | |
| WS 01 | Waste Storage Area | On site | 4/1/2021 | Active | No |
| Current Condition: | Good Condition - Dumpsters were in place on individual lots during the 3/17/22 inspection. Dumpsters were in place on individual lots prior to the 9/26/22 inspection. Neal Drickey cleaned up construction waste and debris prior to the inspection on 12/10/24. | | | | |
| 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: |  |