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**E & A CONSULTING GROUP, INC.**

*Engineering Answers*

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

Inspector: Aaron Tulley	E&A - P2018.109.002	Stage
	<b>Gallery 23 East</b>	
Project Name:	CSW-201702253 (Mass Grading) CSW-210802622 (Intersection Improv-Pending) CSW-201802623 (Water Main Improvements) CSW-201802624 (East Lift Station)	2
For Week Ending:	<b>4/13/2019</b>	
Project Location:	County Road U and Lincoln Highway- Fremont, NE (Dodge County)	<b>68025</b>

	Gallery 23 East	Water Main Project	Lift Station & Force Main	Intersection Impr.
Grading:	85%	97%	99%	0%
Sanitary Sewer:	85%	N/A	99%	0%
Storm Sewer:	0%	N/A	N/A	0%
Paving:	0%	N/A	N/A	0%
Seeding:	1%	N/A	99%	0%
Utilities:	70%	N/A	N/A	0%
Overall Development:	22%	94%	99%	0%

RAIN FALL AMOUNTS	Amount in inches	Date inspected	Weather Conditions	
				<b>Week 1</b>
Sunday:	0.36"	03/24/19	Rain 49/45	
Monday	0.00"			
Tuesday	0.00"			
Wednesday	0.00"			
Thursday	0.00"			
Friday	0.19"			
Saturday	0.00"			
				<b>Week 2</b>
Sunday:	0.00"			
Monday	0.04"			
Tuesday	0.01"			
Wednesday	0.16"			
Thursday	0.12"			
Friday	0.00"	4/5/2019	Rain 73/47	
Saturday	0.01"			
				<b>Week 3</b>
Sunday:	0.00"			
Monday	0.00"			
Tuesday	0.00"			
Wednesday	0.07"			
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 has begun on Gallery 23 East project in Phases I, II, and III (8/2017). Major cessation of grading has occurred on Gallery 23 East project and minor grading will occur on Gallery 23 East (8/30/2018). Grading for water installation on NW perimeter and along Rd 25 (10/23/18). Grading has temporarily ceased (1/10/19). **Grading in the NE corner of site for sanitary installation (4/5/19).**

Lift Station and Sanitary Force Main grading/excavation began (7/23/2018). Minor grading to be completed at a later date.

Water improvements grading/excavation has begun (10/9/18). Grading has temporarily ceased (1/10/19). Grading occurred in between Hwy 30 and Menards to still water main between last inspection (2/7/19) and current inspection (2/20/19), but grading had ceased at time of inspection. **Grading along Hwy 275 (4/5/19)**

Highway 30 intersection improvements have not begun as of last inspection.

**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 has begun on Gallery 23 East project in Phases I, II, and III (8/2017). Major cessation of grading has occurred on Gallery 23 East project and minor grading will occur on Gallery 23 East (8/30/2018). Grading for water installation on NW perimeter and along Rd 25 (10/23/18). Grading has temporarily ceased (1/10/19). **Grading in the NE corner of site for sanitary installation (4/5/19).**

Lift Station and Sanitary Force Main grading/excavation began (7/23/2018). Minor grading to be completed at a later date.

Water improvements grading/excavation has begun (10/9/18). Grading has temporarily ceased (1/10/19). Grading occurred in between Hwy 30 and Menards to still water main between last inspection (2/7/19) and current inspection (2/20/19), but grading had ceased at time of inspection. **Grading along Hwy 275 (4/5/19)**

Highway 30 intersection improvements have not begun as of last inspection.

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

Existing vegetation (8/30/2018). Seeding and matting in ditch for sanitary lift main (9/19/18). Seeding around banks of E side of lake (11/6/18).

**Summary Questions:**

**Are approved entrances and adjacent streets being maintained adequately?**

No - See BMP Section

**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

**Checklist Questions:**

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

No - See Findings Section

**Is dust associated with the construction activity adequately controlled on the site?**

Yes

**Comments:**

**Comments:**

The site was **active** during the last inspection for the Gallery 23 East project.

Lift Station and Sanitary Force Main projects are nearing completion. Work is occurring on the southeast intersection of County Road U and the project. County Road U Blvd and East 16th Street ditches will be stabilized in the coming weeks as of 8/30/2018. E&A will continue to monitor. Street ditches were seeded and matted prior to inspection on 9/19/18.

Water Improvements project has begun as of last inspection. Dirt piles from water main improvement project are being moved over to Gallery 23 East project in low areas. Dirt will be spread at a later date (2/7/19). Water project was **active** during last inspection.

Highway 30 intersection improvements project **not active as of the last inspection.**

Work for overhead electric occurring during inspection on 1/10/19 by Fremont Public Works around perimeter of Gallery 23 East.

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


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

1. See BMP section for required maintenance.
2. Diesel fuel tanks need to be bermed on site as of 8/30/2018. Pruss Excavation will be informed to complete by 9/6/2018. Not done as of last inspection. Thompson Construction was informed to complete by 10/16/18. Not done as of last inspection. **Thompson Construction was reminded on 3/27/19.**
3. One portable toilet on the site needs to be staked down. Thompson Construction will be informed to complete when conditions allow as of 12/19/18. Not done as of the last inspection. **Thompson Construction removed the portable toilet from the site prior to inspection on 3/24/19.**
4. The fuel tank on site has a leak. E&A inspector notified Jim Hammit with E&A to monitor and inform Thompson to repair tank. Not done as of the last inspection. **No signs of leakage as of the last inspection. E&A will monitor.**

Unique Name	Type	Location	Projected Install Date	Status	Maintenance
<b>Gallery 23 East</b>					
CE 1	Construction Entrance	County Road Blvd U	8/30/2018	Active	Yes
<b>Current Condition:</b>	<p><b>Fair Condition - 40% effective.</b> Pruss is off site as of 10/8/18. Thompson Construction added rock to the entrance prior to inspection on 11/6/18. <b>Portions of the entrance washed out prior to inspection on 3/24/19.</b></p> <p><b>The entrance should be rebuilt and rock should be added to prevent trackout</b></p> <p><b>E&amp;A inspector informed Jim Hammit to inform Thompson Construction to complete by 3/31/19. Not done as of the last inspection.</b></p>				

CE 2	Construction Entrance	County Road 25/Highway 30	8/30/2018	Active	Yes
<b>Current Condition:</b>	<b>Fair Condition - 50% effective - Rock entrance was installed off Highway 30 prior to 8/30/2018.</b> <b>More rock is needed at the entrance to prevent trackout</b> <b>E&amp;A inspector informed Jim Hammit to inform Thompson Construction to complete by 3/31/19. Not done as of the last inspection.</b>				
CP #1	Culvert protection	Central portion of site	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Culvert protection will be installed at a later date.				
CP #2	Culvert protection	Southeast corner	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Culvert protection will be installed at a later date.				
CW	Concrete Washout	Gallery 23 East	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Washouts will be installed once paving begins.				
DW #1	Ditch Wattle Checks	Middle Central	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Ditch wattle checks will be installed when grading has ended.				
DW #2	Ditch Wattle Checks	Southwest corner	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Ditch wattle checks will be installed when grading has ended.				
DW #3	Ditch Wattle Checks	Southeast corner	8/30/2018	Active	No
<b>Current Condition:</b>	Good Condition - Wattles checks were installed on the southeast side prior to 8/30/2018.				
DD #1	Diversion Ditch	NW Corner of Lake	11/6/2018	Active	No
<b>Current Condition:</b>	Good Condition - After further evaluation, as of 1/10/19 inspection, wattles/checks will no longer be recommended.				
DD #2	Diversion Ditch	W side of Lake		Active	
<b>Current Condition:</b>	Removed - Thompson Construction removed the diversion ditch prior to inspection on 9/19/18.				
DD #3	Diversion Ditch	SW corner of lake		Active	
<b>Current Condition:</b>	Removed - Thompson Construction removed the diversion ditch prior to inspection on 9/19/18.				
DD #4	Diversion Ditch	S Side of lake		Active	
<b>Current Condition:</b>	Removed - Thompson Construction removed the diversion ditch prior to inspection on 9/19/18.				
DD #5	Diversion Ditch	E side of lake		Active	
<b>Current Condition:</b>	Removed - Thompson Construction removed the diversion ditch prior to inspection on 9/19/18.				
DD #6	Diversion Ditch	NE corner of lake	8/30/2018	Active	No
<b>Current Condition:</b>	Good Condition - After further evaluation, as of 1/10/19 inspection, wattles/checks will no longer be recommended.				
DD #7	Diversion Ditch	N side of lake	9/25/2018	Active	No
<b>Current Condition:</b>	Good Condition - Due to grade of the lot and an access road being installed, silt fence or straw bale checks will not be recommended at this time. E&A will monitor.				
EB #2	Erosion Blanket	Northeast corner	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Erosion control matting and seeding will be installed when grading has ended.				
EB #3	Erosion Blanket	Around Lake (Outlot B)	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Erosion control matting and seeding will be installed when grading has ended.				
SB #1	Sediment Basin	Central portion of site	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Basin will be installed once grading has commenced at a later date.				
SB #2	Sediment Basin	Southeast corner	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Basin will be installed once grading has commenced at a later date.				
SF #1	Silt Fence	Southeast corner	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Silt Fence will be installed at a later date.				
SF #2	Silt Fence	Northeast corner	8/30/2018	Pending	No
<b>Current Condition:</b>	Pending - Silt Fence will be installed at a later date.				
STR	Street cleaning	Off-Site	In Place	Active	Yes
<b>Current Condition:</b>	<b>Fair Condition -</b> <b>The streets near CE 1 need to be cleaned</b> <b>E&amp;A inspector informed Jim Hammit to inform Thompson Construction to complete by 3/25/19. Not done as of the last inspection.</b>				
SWPPP Sign-SI	Signs	2 Entrances	10/9/2018	Pending	Yes

<b>Current Condition:</b>	Pending - Inspector installed 1 of 2 SWPPP signs during inspection on 10/9/18. Other SWPPP sign will be installed at the County Rd U Blvd entrance at a later date.				
	The SWPPP sign blew off the t-post prior to inspection on 2/7/19 and needs reinstalled				
	Inspector will reinstall during next inspection when conditions allow. Not done as of the last inspection.				
<b>Sanitary Lift Station and Force Main</b>					
CE 1	Construction Entrance	County Road Blvd U		Removed	
<b>Current Condition:</b>	Removed - See CE1 for Gallery 23 project as of 8/30/2018.				
CW	Concrete Washout	County Road Blvd U		Removed	
<b>Current Condition:</b>	Removed - See CW for Gallery 23 project as of 8/30/2018. No concrete is being poured for the sanitary lift project.				
DC #1	Ditch Wattle Checks	Sheet C-603	9/13/2018	Active	Yes
<b>Current Condition:</b>	Fair Condition - Ditch wattle checks were installed by Carstensen Contracting prior to inspection on 9/19/18				
	Ditch wattle checks on the east side of CE 1 need to be repositioned/repared				
	E&A inspector informed Jim Hammit to inform Thompson Construction to complete by 3/31/19. Not done as of the last inspection.				
DC #2	Ditch Wattle Checks	Sheet C-604	9/13/2018	Active	Yes
<b>Current Condition:</b>	Fair Condition - Ditch wattle checks were installed by Carstensen Contracting prior to inspection on 9/19/18				
	Ditch wattle checks need to be repositioned/repared				
	E&A inspector informed Jim Hammit to inform Thompson Construction to complete by 3/31/19. Not done as of the last inspection.				
DC #3	Ditch Wattle Checks	Sheet C-605	9/13/2018	Active	No
<b>Current Condition:</b>	Good Condition - Ditch wattle checks were installed by Carstensen Contracting prior to inspection on 9/19/18				
DC #4	Ditch Wattle Checks	Sheet C-606	9/13/2018	Active	No
<b>Current Condition:</b>	Good Condition - Ditch wattle checks were installed by Carstensen Contracting prior to inspection on 9/19/18				
EB #1	Erosion Blanket	Along ditch between Rd 25 and lift station	9/13/2018	Active	No
<b>Current Condition:</b>	Good Condition - Erosion control blanket was installed by Carstensen Contracting prior to inspection on 9/19/18. The blanket is underwater as of inspection on 3/24/19. E&A will monitor once water subsides.				
EB #2	Erosion Blanket	Along ditch W of 25 E of Hwy 275	9/13/2018	Active	Yes
<b>Current Condition:</b>	Fair Condition - Erosion control blanket was installed by Carstensen Contracting prior to inspection on 9/19/18				
	The blanket has been washed away in multiple locations along the run and should be repaired/reinstalled				
	E&A inspector informed Jim Hammit to inform Thompson Construction to complete by 3/31/19. Not done as of the last inspection.				
EB #3	Erosion Blanket	E of Roundabout	9/25/2018	Active	No
<b>Current Condition:</b>	Good Condition - Erosion control blanket was installed by Carstensen Contracting prior to inspection on 9/25/18				
STR	Street cleaning	Off-Site	In Place	Active	No
<b>Current Condition:</b>	Good Condition - No signs of trackout.				
SWPPP Sign-SI	Signs	2 Entrances		Removed	
<b>Current Condition:</b>	Removed - See SWPPP signs under Gallery 23 East project				
<b>Water Main Extension</b>					
CW	Concrete Washout	County Road Blvd U	10/4/2018	Pending	No
<b>Current Condition:</b>	Pending - Washouts will be installed when concrete work occurs.				
SF #1	Silt Fence	Area #1		Removed	
<b>Current Condition:</b>	Removed - There is no silt fence in this area, see IP 1 and IP 2 for BMPs in Area #1				
IP 1	Inlet Protection	N side of 24th St (Enlarged Area #1)	10/23/2018	Active	Yes

<b>Current Condition:</b>	Fair Condition - H.R. Bookstrom Construction installed inlet protection prior to inspection on 10/23/18. The inlet protection was damaged prior to inspection on 3/13/19 and needs repaired H.R. Bookstrom was informed to complete by 3/20/19 as conditions allow. <b>Not done as of the last inspection.</b>				
IP 2	Inlet Protection	S side of 24th St (Enlarged Area #1)	10/23/2018	Active	Yes
<b>Current Condition:</b>	Fair Condition - H.R. Bookstrom Construction installed inlet protection prior to inspection on 10/23/18. The inlet protection was damaged prior to inspection on 3/13/19 and needs repaired/replaced H.R. Bookstrom was informed to complete by 3/20/19 as conditions allow. <b>Not done as of the last inspection.</b>				
SF #2	Silt Fence	Area #2	10/4/2018	Pending	Yes
<b>Current Condition:</b>	Pending - Silt fence will be installed when grading reaches area. 2 straw wattles should be installed across the roadside ditch on the E side of Area #2 H.R. Bookstrom was informed to complete by 11/20/18. Not done as of last inspection. H.R. Bookstrom was reminded on 12/19/18.				
SF #3	Silt Fence	Area #3	10/4/2018	Pending	No
<b>Current Condition:</b>	Pending - Silt fence will be installed when grading reaches area.				
SF #4	Silt Fence	Area #4	10/4/2018	Pending	Yes
<b>Current Condition:</b>	Pending - Silt fence will be installed when grading reaches area. Silt fence should be installed on the S perimeter of Area #4 H.R. Bookstrom was informed to complete by 11/20/18. Not done as of last inspection. H.R. Bookstrom was reminded on 12/19/18.				
SF #5	Silt Fence	Area #5	10/4/2018	Pending	Yes
<b>Current Condition:</b>	Pending - Silt fence will be installed when grading reaches area. Silt fence should be installed on the S perimeter of Area #5 H.R. Bookstrom was informed to complete by 11/20/18. Not done as of last inspection. H.R. Bookstrom was reminded on 12/19/18.				
SF #6	Silt Fence	Area #6	10/4/2018	Pending	No
<b>Current Condition:</b>	Pending - Silt fence will be installed when grading reaches area.				
STR	Street cleaning	Off-Site	In Place	Active	Yes
<b>Current Condition:</b>	Fair Condition - Streets showed signs of improvement, however, some street cleaning is still necessary. H.R. Bookstrom Construction cleaned the streets at 24th St prior to inspection on 1/10/19. <b>The streets need to be cleaned along 24th St</b> <b>H.R. Bookstrom was informed to complete by 3/25/19. Not done as of the last inspection.</b>				
SWPPP Sign-SI	Signs	2 Entrances		Removed	
<b>Current Condition:</b>	Removed - See SWPPP signs under Gallery 23 East project				
Inspector Signature:			Reviewed By: 