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

*Engineering Answers*

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 Environmental Services Dept. Manager

**E&A- P2014.577.001**

Inspector: Matt Vanicek		Stage
Project Name:	<b>Shelby High School NER115160</b>	2
For Week Ending:	<b>6/24/2017</b>	
Project Location:	<b>Walnut St. and Washington St, Shelby, NE (Polk County)</b>	<b>68662</b>

Grading:	100%			
Sanitary Sewer:	100%			
Storm Sewer:	100%			
Paving:	97%			
Seeding:	50%			
Utilities:	100%			
Overall Development:	80%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	
				<b>Week 1</b>
Sunday:	0.00"			
Monday	0.07"			
Tuesday	0.78"			
Wednesday	0.32"	06/14/17	84/64 Tstorm	
Thursday	0.00"			
Friday	0.00"			
Saturday	0.00"			
				<b>Week 2</b>
Sunday:	0.00"			
Monday	0.00"			
Tuesday	0.00"			
Wednesday	0.00"			
Thursday	0.00"			
Friday	0.00"			
Saturday	0.00"			
				<b>Week 3</b>
Sunday:	N/A	N/A		
Monday	N/A	N/A		
Tuesday	N/A	N/A		
Wednesday	N/A	N/A		
Thursday	N/A	N/A		
Friday	N/A	N/A		
Saturday	N/A	N/A		

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?:

Grading is active (6/11/15) Phase 1 was complete prior to the 7/18/15 inspection. The grading of Phase 2 started prior to the 11/3/15 inspection. Grading of Phase 2 has been completed. Minor grading will be completed at a later date(3/7/16)  
 BD Construction completed grading the parking lot (8/1/16)

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 is active (6/11/15) Phase 1 was complete prior to the 7/18/15 inspection. The grading of Phase 2 started prior to the 11/3/15 inspection. Grading of Phase 2 has been completed. Minor grading will be completed at a later date(3/7/16)  
 BD Construction completed grading the parking lot (8/1/16)

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

Existing Vegetation. The area West and East of the football field and track were seeded or sodded(11/3/15). Paving of the school addition has started (4/28/17).

**SUMMARY QUESTIONS:**

Are approved entrances and adjacent streets being maintained adequately?

Yes

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- sediment was deposited in the drainage way next to B3.

**CHECKLIST QUESTIONS:**

Are waste materials (concrete, construction material, hazardous, etc.) being managed properly?  
No, See Findings/Corrective Actions Section.

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

**Comments:**

**Comments:**  
Construction of the school building is active as of the last inspection.


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

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

- 1.) See BMP section for required maintenance.
- 2.) The area disturbed along the west end of the athletic field needs to be seeded and stabilized. BD Construction was informed to complete by 1/30/17. BD Construction was reminded on 3/21/17, 3/30/17, 4/16/17, 5/1/17, 5/24/17. Not done as of the last inspection.
- 3.) The sediment that has deposited in the drainage way next to B3 needs to be cleaned up. BD Construction was informed to complete by 1/30/17. BD Construction was reminded on 3/21/17, 3/30/17, 4/16/17, 5/1/17, 5/24/17. Not done as of the last inspection.
- 4.) The area disturbed by utility work in the drainage way to the south of the site needs to be stabilized. BD Construction was informed to complete by 1/30/17. BD Construction was reminded on 3/21/17, 3/30/17, 4/16/17, 5/1/17, 5/24/17. Not done as of the last inspection.
- 5.) The concrete spoils around the playground and parking lot need to be removed. BD Construction was informed to complete by 4/23/17. BD Construction was reminded on 5/1/17. Not done as of the last inspection.
- 6.) Ditch between athletic field and school needs to be stabilized. Ryan with BD stated it would be rocked. BD was informed to stabilize by 5/29/17. Not done as of the last inspection.
- 7.) Detention pond was completed and the area needs to be stabilized. Also a silt fence needs to be installed at the outlet pipe to prevent more runoff to ditch. BD Construction was informed to complete by 5/29/17. A piece of silt fence fabric was installed across the outlet pipe, but was not entrenched or secured. The pond was not stabilized as of the last inspection. **BD Construction removed the silt fence from the outfall prior to the inspection on 6/14/17.**
- 8.) Silt fence debris is still present front removal of Silt Fence A11. BD Construction was informed to remove silt fence debris and removal all that is left in place. BD Construction was informed to complete by 5/29/17. Not done as of the last inspection.

Unique Name	Type	Location	Projected Install Date	Status	Maintenance
A1	Silt Fence	Southwest of Football Field		Removed	
<b>Current Condition:</b>	Removed - BD Construction removed the silt fence for final stabilization as of the 9/24/15 inspection.				
A2	Silt Fence	South of Football Field		Removed	
<b>Current Condition:</b>	Removed - The silt fence was removed due to paving in the area as of the 9/15/15 inspection.				
A3	Silt Fence	East of Football Field		Removed	
<b>Current Condition:</b>	Removed - BD Construction removed the silt fence for final stabilization as of the 9/24/15 inspection.				
A4	Silt Fence	Northwest of Football Field		Removed	
<b>Current Condition:</b>	Removed - The silt fence is no longer needed due to paving in the area as of the 9/15/15 inspection.				
A5	Silt Fence	West of Football Field		Removed	
<b>Current Condition:</b>	Removed - BD Construction removed the silt fence for final stabilization as of the 9/24/15 inspection.				
A9	Silt Fence	Southeast side of site		Removed	
<b>Current Condition:</b>	Removed - The silt fence was not needed during construction.				
A10	Silt Fence	Southeast side of site		Removed	
<b>Current Condition:</b>	Silt Fence was removed due to flatness of area and inactivity it will not be re-installed at this time.				
A11	Silt Fence	South side of site		Removed	
<b>Current Condition:</b>	Silt Fence was removed due to completion of parking lot. Silt fence will not be re-installed at this time. BD has been requested to install straw wattles in the draining way in place of removed silt fence.				
A12	Silt Fence	Southwest corner of site	1/30/2017	Pending	Yes
<b>Current Condition:</b>	Removed The silt fence needs to be reinstalled or stabilize the area. BD Construction was informed to complete by 1/30/17. BD Construction was reminded on 3/21/17, 3/30/17, 4/16/17, 5/1/17, 5/24/17. Not done as of the last inspection.				
A13	Silt Fence	Southwest corner of site	1/30/2017	Pending	Yes
<b>Current Condition:</b>	Removed The silt fence needs to be reinstalled or stabilize the area. BD Construction was informed to complete by 1/30/17. BD Construction was reminded on 3/21/17, 3/30/17, 4/16/17, 5/1/17, 5/24/17. Not done as of the last inspection.				
A17	Inlet filter	South of existing building		Removed	
<b>Current Condition:</b>	Removed- Area was paved prior to inspection on 5/22/17 by BD Construction.				
A18	Inlet filter	South of existing building		Removed	

<b>Current Condition:</b>	Removed- Area was paved prior to inspection on 5/22/17 by BD Construction.				
A19	Inlet filter	Between building on north side of the site		Removed	
<b>Current Condition:</b>	Pending - Then inlet was removed prior to inspection on 11/14/16.				
A20	Inlet filter	Between building on north side of the site	3/7/2016	Active	No
<b>Current Condition:</b>	<b>Good Condition - BD Construction repaired and paved around the inlet prior to the inspection on 6/14/17. E&amp;A will monitor the need for BMP installation.</b>				
A21	Inlet filter	Between building on north side of the site	3/7/2016	Active	No
<b>Current Condition:</b>	Active - The inlet is above grade so no BMP protection is needed at this time.				
B	Construction Entrance	Southwest of Football Field		Removed	
<b>Current Condition:</b>	Removed - This entrance is now a permanent entrance for school maintenance crews as of the 1/27/16 inspection.				
B 2	Construction Entrance	South side of existing parking lot		Removed	
<b>Current Condition:</b>	<b>Removed - BD Construction removed the entrance for paving purposes prior to the inspection on 6/14/17.</b>				
B 3	Construction Entrance	Southeast side of site		Active	
<b>Current Condition:</b>	Removed - BD Construction paved the construction entrance prior to inspection on 5/1/17.				
C1	Inlet Protection	Southeast of Football Field		Removed	
<b>Current Condition:</b>	Removed - This BMP is being removed from the report due to the inlet be located in a completed area of the project as of the 3/21/16 inspection.				
C2	Inlet Protection	Northeast of Football Field		Removed	
<b>Current Condition:</b>	Removed - This BMP is being removed from the report due to the inlet be located in a completed area of the project as of the 3/21/16 inspection.				
C3	Bale Check	Northwest of Football Field	1/30/2017	Pending	Yes
<b>Current Condition:</b>	<p>Pending -</p> <p>The bale check needs to be reinstated due to continued runoff from the athletic field eroding the adjacent drainage way.</p> <p>BD Construction was informed to complete by 1/30/17. BD Construction was reminded on 3/21/17, 3/30/17, 4/16/17, 5/1/17, 5/24/17. Not done as of the last inspection.</p>				
C4	Bale Check	Northwest of Football Field	5/29/2017	Pending	Yes
<b>Current Condition:</b>	<p>Pending</p> <p>The bale check needs to be reinstated due to continued runoff. Storm sewer has not been installed but we are recommending two bale checks be installed at culverts at entrance B2.</p> <p>BD Construction was informed to complete by 5/29/17. Not done as of the last inspection.</p>				
C5	Bale Check	Northwest of Football Field	5/29/2017	Pending	Yes
<b>Current Condition:</b>	<p>Pending -</p> <p>The bale check needs to be reinstated due to continued runoff.</p> <p>BD Construction was informed to complete by 5/29/17. Not done as of the last inspection.</p>				
C6	Bale Check	Northwest of Football Field	1/30/2017	Pending	Yes
<b>Current Condition:</b>	<p>Pending -</p> <p>The bale check needs to be reinstated due to continued runoff .</p> <p>BD Construction was informed to complete by 5/29/17. Not done as of the last inspection.</p>				
C7	Bale Check	East property line	12/19/2016	Pending	Yes
<b>Current Condition:</b>	<p>Pending</p> <p>The bale check needs to be reinstated in the drainage ditch.</p> <p>BD Construction was informed to complete by 12/19/16. BD construction was reminded on 1/24/17. BD Construction was reminded on 3/21/17, 3/30/17, 4/16/17, 5/1/17, 5/24/17. Not done as of last inspection.</p>				
CW	Concrete	On Site	3/27/2017	Pending	Yes

<b>Current Condition:</b>	Pending The washout needs to be installed. BD Construction was informed to complete by 3/27/17. BD Construction was reminded on 3/30/17, 4/16/17, 5/1/17. Not done as of the last inspection.				
STR	Streets	On site	In Place	Active	No
<b>Current Condition:</b>	Good Condition - No major signs of track off.				
SWPPP Sign	SWPPP Sign	Southwest of Football Field	7/1/2015	Active	No
<b>Current Condition:</b>	Good Condition - The inspector installed the SWPPP sign on 7/1/15.				
Wattle Check 1	Straw Wattle	Southeast Corners of site	6/11/2015	Active	Yes
<b>Current Condition:</b>	Fair Condition Wattle is starting to get full from runoff from ditch from athletic field not being stabilized. Wattle needs cleaned and additional wattle is recommended. BD Construction was informed to complete by 5/29/17. Not done as of the last inspection.				
Wattle Check 2	Straw Wattle	North west corner of site	11/18/2015	Active	Yes
<b>Current Condition:</b>	Fair Condition Additional wattles (3) need to be installed, or a more substantial BMP needs to be installed to prevent more sediment from migrating to drainage way. BD Construction was informed to complete by 1/30/17. BD Construction was reminded on 3/21/17, 3/30/17, 4/16/17, 5/1/17, 5/24/17. Not done as of the last inspection.				
Wattle Check 3	Straw Wattle	West of entrance B3		Removed	
<b>Current Condition:</b>	Removed - BD Construction removed the straw wattle prior to inspection on 5/22/17.				
<b>Inspector Signature:</b>				<b>Reviewed By:</b> 