

**WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
WV/NPDES CONSTRUCTION STORMWATER PERMIT**

<b>FACILITY NAME:</b>	Northport Avenue Extension			<b>REG. #</b>	<b>EXPIRE DATE:</b>
<b>PERMITTEE</b>	RANSON, CITY OF			WVR110191	9/2/2020
<b>ADDRESS/PHONE:</b>	Attn: ANDREW P. BLAKE, CITY MGR 312 SO MILDRED ST RANSON, WV 25438 3047251010				
<b>LOCATION:</b>	39 22 12.95 N77 52 32.83 W			<b>Entry Date/Time:</b>	2/6/2020 @ 1103
<b>COUNTY:</b>	Jefferson			<b>Exit Date/Time:</b>	2/6/2020 @ 1224
<b>Site Representative /Phone</b>				<b>PHOTOS</b> <input checked="" type="checkbox"/>	
<b>CO-PERMITTEE:</b>				<b>ADDRESS:</b>	
<b>SITE OPERATOR:</b>				<b>ADDRESS:</b>	
<b>PERMITTED ACREAGE</b>	24.4	<b>WEATHER:</b>	Rain	<b>LAST INSPECTION:</b>	N/A
<b>RECEIVING STREAM(S)</b>	Rockymarsh				<b>NOV:</b> <b>W20-19-012-TDH</b>
<b>Regular Mail</b> <input type="checkbox"/> <b>Certified Mail</b> <input checked="" type="checkbox"/>		<b>Tracking #</b> 70192970000166130895			
<b>OVERALL FACILITY RATING:</b>	<b>Unsatisfactory</b>		<b>COMPLIANCE OUTCOME</b>	<b>Not Immediately Corrected</b>	

**PERMIT / SITE EVALUATION**

<b>S-Satisfactory</b>	<b>U-Unsatisfactory</b>	<b>N/A-Not Applicable</b>	<b>N/O-Not Observed</b>	<b>N/D Not Determined</b>	<b>M-Marginal</b>	<b>Y-Yes</b>	<b>N-No</b>
1. PERIMETER CONTROLS	<b>U</b>	9. HOUSEKEEPING/SOLID WASTE	<b>S</b>	17. CONCRETE WASHOUT			<b>N/A</b>
2. DIVERSIONS/DITCH CHECKS	<b>U</b>	10. RECORDS, REPORTS & PLANS ON SITE	<b>U</b>	18. PUBLIC NOTICE SIGN			<b>S</b>
3. SEDIMENT TRAPS/BASINS	<b>U</b>	11. STABLE CONSTRUCTION ENTRANCE	<b>U</b>	19. SEDIMENT LADEN WATER LEAVING SITE			<b>U</b>
4. OUTLET MARKERS	<b>U</b>	12. MUD ON ROADWAY/DUST	<b>S</b>	20. CONDITIONS NOT ALLOWABLE			<b>S</b>
5. WASTE/BORROW SITES	<b>U</b>	13. APPROPRIATE BMP'S IMPLEMENTED	<b>U</b>	21. SWPPP/ GPP/PERMIT COMPLIANCE			<b>U</b>
6. OPERATIONS & MAINTENANCE	<b>U</b>	14. FILL SLOPE PROTECTION	<b>U</b>	22. ORDER COMPLIANCE			
7. WATER BARS	<b>N/O</b>	15. DEVICES INSTALLED IN TIMELY MANNER	<b>U</b>	23. OTHER:			
8. STABILIZATION PRACTICES	<b>U</b>	16 DROP INLET PROTECTION	<b>S</b>	24. OTHER:			

**COMMENTS DEFICIENCIES AND RECOMMENDATIONS**

**Comments:**

While conducting a site visit on Ran 5 Project I noticed sediment laden water coming off this site and on to that site.

**Deficiencies:**

- (1 and 13) Perimeter controls are not properly installed, there are many areas that the toe of the silt fence was not toed in correctly and many panels of silt fence were not conjoined correctly as indicated in the plan details on sheet 19.
- (1, 15, 19, and 21) SWPPP needs to be modified to include perimeter controls below sediment basin where sediment laden water is leaving the site without going through an appropriate device. The Emergency Overflow and Collection Ditch #1 and Rip Rap Apron #2 are not installed as indicated in the SWPPP.
- (2, 13 and 15) Diversion ditches are not installed according to SWPPP. Plan sheets indicated that rock check dams along with erosion controls matting (ECM) will be used in the diversion ditch. Neither rock check dams nor ECM was installed.

4. (3, 4, and 15) Sediment basin is not being operated correctly and is allowing sediment laden water to leave the site without going through an appropriate erosion control device. Sediment basin should be set up to 50% wet/dry capacity. At time of inspection it is set up for stormwater retention with the orifices at bottom grade of basin. This is not allowing any settling time for sediment.
5. (6) Where soil is being pushed up against silt fence, there is no holding capacity to allow proper filtration before controls are overtopped. Rock aprons are showing wear around a few drop inlets. Some sections of silt fence are down, and need maintained throughout site.
6. (13, and 14) Improperly tracked in constructed slopes are aiding to the development of erosion rills forming on the fill slopes that are found through the project site.
7. (10) E&S site inspections and SWPPP and GPP could not be located on site at time of inspection.
8. (11) There are multiple construction entrances along the LOD where there are no rock construction entrances. The perimeter controls are just laid in place over the construction entrances.



INSPECTOR: Travis D. Hays

Telephone: (304) 389-7642

Modified: 10-15-2017 JHH

STATE OF WEST VIRGINIA  
Department of Environmental Protection  
Environmental Enforcement  
NOTICE OF VIOLATION

Violation No W20-19-012-TDH

To the Operator or Agent of:

Facility Name: Northport Avenue Extension Permit No. WVR110191

Permittee or Individual: RANSON, CITY OF

Located at or near: 39 22 12.95 N, 77 52 32.83 W in Jefferson County

Representative: ANDREW P. BLAKE, CITY MGR Date: 2/6/2020 Time: 1103

Address / phone number: 312 SO MILDRED ST, RANSON, WV 25438 / 3047251010

Whereas, an inspection of the above named operation by the undersigned, duly authorized agent of the Secretary, at which the following described condition or practice exists, in violation of Chapter 22, Article 11, Section(s) 1 et. Seq. of the Code of West Virginia and/or Section(s)      of the Rules and Regulations and/or Section(s) B, C, D, and G of the Permit referenced above promulgated thereunder in that you: **Have violated the following terms and conditions of WV/NPDES General Water Pollution Control Permit No. WV0115924, Registration No. WVR110191:**

1. **Section B- City of Ranson failed to comply with the General Permit and approved Storm Water Pollution Prevention Plan (SWPPP). Several erosion control devices are not in place as detailed by the SWPPP. The Emergency Overflow, Collection Ditch #1 and Rip Rap Apron #2 are not installed as indicated in the SWPPP. Diversion ditches are not installed according to SWPPP. Plan sheets indicated that rock check dams along with ECM will be used in the diversion ditch. Neither rock check dams nor ECM was installed.**
2. **Section C.15.- City of Ranson failed to post an outlet marker at all permitted outlets from the construction site. No outlet signage was posted at the outfall of the sediment basin.**
3. **Section D.1.- City of Ranson failed to operate and maintain all erosion control devices. Where soil is being pushed up against silt fence, there is no holding complicity to allow proper filtration before controls are overtopped. Rock aprons are showing wear around a few drop inlets. Some sections of silt fence are down, and need maintained throughout site.**
4. **Section G.4.a: City of Ranson failed to retain a copy of the SWPPP and GPP on site. SWPPP and GPP could not be located on site at time of inspection. These documents are to be housed on site until completion of the project.**
5. **Section G.4.c: City of Ranson failed to modify your SWPPP when there was a change in design, construction, scope of operation, or maintenance, which has a significant effect on the potential for the discharge of pollutants to the waters of the State, or the SWPPP proves to be ineffective in achieving the general objectives of controlling pollutants in storm water discharges. SWPPP needs to be modified to include perimeter controls below sediment basin where sediment laden water is leaving the site without going through an appropriate device.**
6. **Section G.4.e.2.- City of Ranson failed to properly implement controls. Perimeter controls are not properly installed, there are many areas where the toe of the silt fence was not toed in correctly and many panels of silt fence was not conjoined correctly as indicated in the plan details on sheet 19.**

7. Section G.4.e.2.A.i.- City of Ranson failed to provide interim stabilization on areas where construction activities have temporarily ceased for more than 14 days. Soil stockpile and other constructed slopes are not temporary stabilize that have set idle for more than 14 days.
8. Section G.4.e.2.A.ii.b.: City of Ranson failed to properly operate sediment basin. Sediment basin is not being operated correctly and is allowing sediment laden water to leave the site without going through an appropriate erosion control device. Sediment basin should be set up to 50% percent wet/dry compacity. At time of inspection it is set up for stormwater retention with the orifices at bottom grade of basin. This is not allowing any settling time for sediment.
9. Section G.4.e.2.A.ii.c.: City of Ranson failed to provide inlet protection for sediment control structure. No inlet protection was provided in Sediment Basin.
10. Section G.4.e.2.A.ii.f.- City of Ranson failed to protect fill slopes. Improperly tracked in constructed slopes are aiding to the development of erosion rills that are forming on fill slopes throughout the project site.
11. Section G.4.e.2.A.ii.j: City of Ranson failed to prevent sediment-laden water from leaving the site without going through an appropriate device. Sediment laden water can leave the site at multiple location via by-passes in perimeter controls where silt fence was not toed in correctly, conjoined correctly or laid over construction entrances that were not rocked along the LOD of the permitted site. Below the sediment basin, sediment laden water is able to leave the LOD and create sediment deposit on the Ran 5 Project where no perimeter controls were installed along the LOD.
12. Section G.4.e.2.C.v.- City of Ranson failed to maintain records that document inspections of erosion control devices and maintenance activities. E&S inspection could not be located on site at time of inspection. These documents are to be housed on site until completion of project.
13. Section G.4.e.1.E.: City of Ranson failed to provide an adequate stone access entrance/exit to reduce the tracking of sediment onto the public or private roads. There are multiple construction entrances along the LOD where there are no rock construction entrances. The perimeter controls are just laid in place over the construction entrances.

The following corrective measures were discussed with you at the time of this inspection: N/A

Take measures to correct the aforementioned violations.

1. Provide proper inlet protection.
2. Document and maintain onsite all inspections of erosion control devices and maintenance activities.
3. Operate and maintain all erosion control devices to achieve compliance with the permit.
4. Install necessary erosion control devices and modify the SWPPP to prevent sediment- laden water from leaving the site.
5. Display an outlet marker on the stream bank in accordance with Title 47, Series 11, Section 9 of the WV Legislative Rules (Special Rules).
6. Install necessary erosion control devices as indicated on the approved SWPPP.
7. Properly operate sediment basin.
8. Install necessary erosion control devices to prevent the release of sediment-laden water from the site.
9. Seed and mulch all areas where construction activities have ceased for more than 14 days.
10. Provide adequate stone at the entrance/exit of the access road.
11. Obtain and maintain a copy of the SWPPP and GPP on site

Within **20** days provide a written response to the inspector named below, at the address indicated, detailing the actions taken to abate this violation.

Received by:

**Sent Certified Mail--**  
70192970000166130895

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Signature

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Title



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Travis D. Hays

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Duly Authorized Agent / Inspector

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**(304) 389-  
7642**

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Telephone

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**Travis.D.Hays@wv.gov**

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E-mail

**Send Response to the Inspector at the address indicated below:**

WV Department of Environmental Protection

Environmental Enforcement / WW

2031 Pleasant Valley Rd., Suite #1, Fairmont, WV 26554



Perimeter controls are not properly installed, there are many areas where the toe of the silt fence was not toed in correctly and many panels of silt fence were not conjoined correctly as indicated in the plan details on sheet 19.

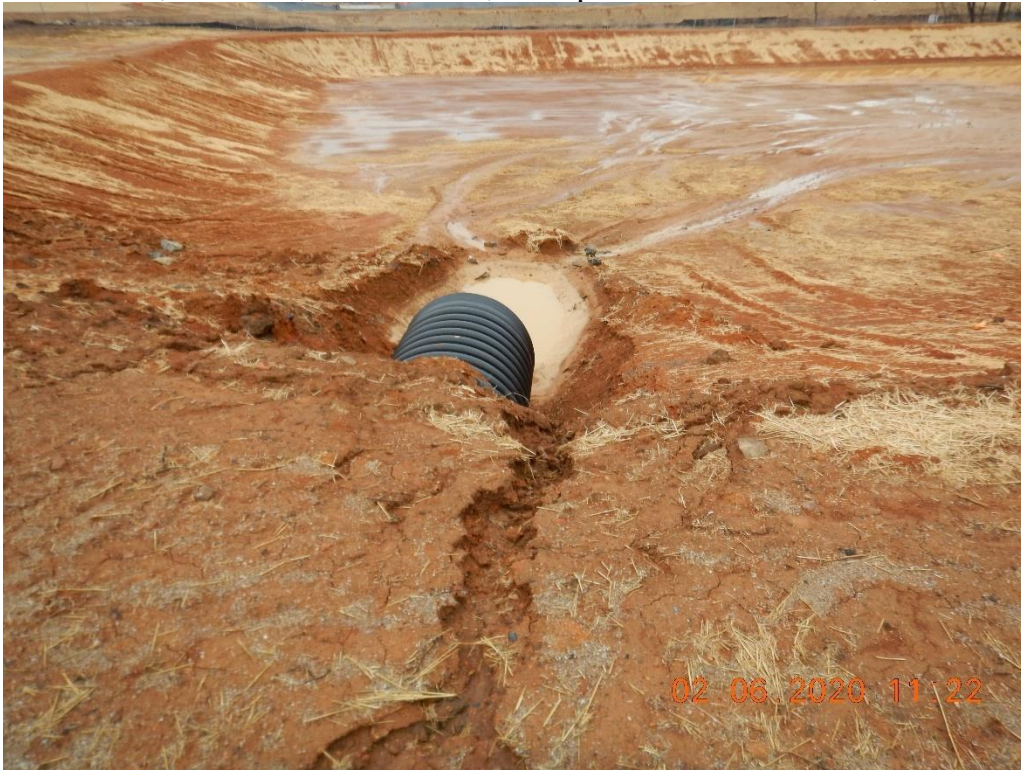


Where soil is being pushed up against silt fence, there is no holding capacity to allow proper filtration before being overtopped.



Maintenance on Drop Inlet protection where rock apron has been eroded away.





Unprotected Inlet into sediment basin.



Unprotected inlets into sediment basin from erosion rills.



Sediment basin is not being operated correctly and is allowing sediment laden water to leave the site without going through an appropriate erosion control device. Sediment basin should be set up to 50% percent wet/dry compacity. At time of inspection it is set up for stormwater retention with the orifices at bottom grade of basin.



Sediment laden water leaving Sediment Basin through orifice in riser.



Sediment deposit outside the LOD below Sediment Basin. No perimeter controls installed at this location.



Sediment deposit outside the LOD below Sediment Basin. No perimeter controls installed at this location.



No perimeter controls installed along LOD along collection ditch #1.



Outfall of sediment basin with not signage posited. Rip rap apron is stained with sediment from improperly operated basin.



Sediment laden water coming out of sediment basin outfall.



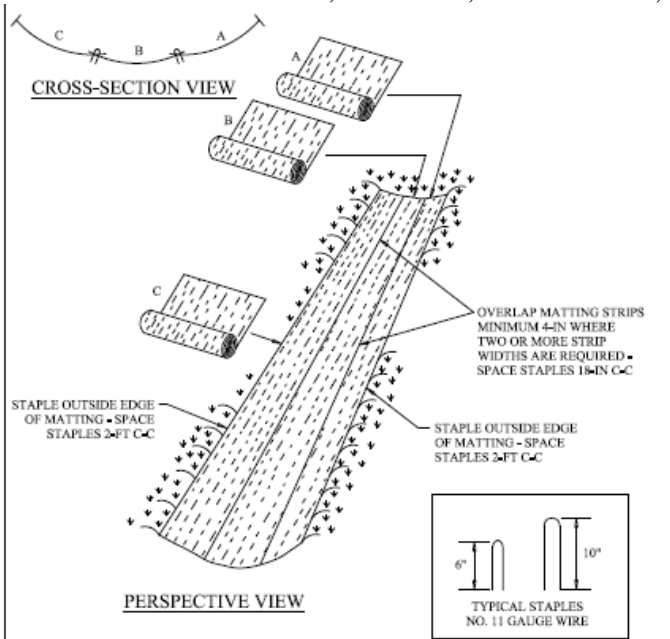
Diversion channel #1 from sediment basin outlet not installed.



Diversion channel #1 and rip rap apron #2 not installed at time of inspection.



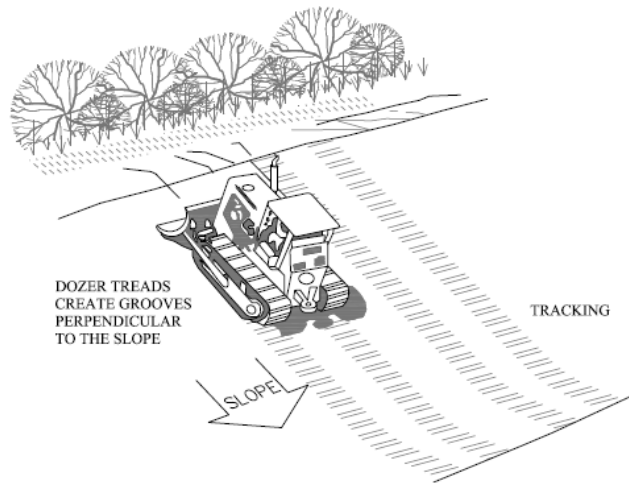
Soil stockpiles are not temporary stabilized with erosion rills.



**EROSION CONTROL MATTING DETAIL**  
NOT TO SCALE

**CONSTRUCTION NOTES:**

1. EROSION CONTROL PRODUCTS FOR MATTING SHALL BE NORTH AMERICAN GREEN SC150BN OR APPROVED EQUAL. SEED AND MULCH DITCH LINE PRIOR TO PLACEMENT OF EROSION CONTROL FABRIC.
2. KEY-IN THE MATTING BY PLACING THE TOP ENDS OF THE MATTING IN A NARROW TRENCH, 6-IN DEPTH. BACKFILL THE TRENCH AND TAMP FIRMLY TO CONFORM TO THE CHANNEL CROSS-SECTION. SECURE WITH A ROW OF STAPLES ABOUT 4-IN DOWN SLOPE FROM THE TRENCH. SPACE THE STAPLES 6-IN CENTER TO CENTER (C-C).
3. STAPLE THE 4-IN OVERLAP IN THE CHANNEL CENTER USING A STAPLE SPACING OF 18-IN C-C.
4. BEFORE STAPLING THE OUTER EDGES OF THE MATTING, MAKE SURE THE MATTING IS SMOOTH AND IN FIRM CONTACT WITH THE SOIL.
5. STAPLES SHALL BE SPACED 24-IN C-C WITH 4 ROWS FOR EACH STRIP - 2 OUTER ROWS and 2 ALTERNATING ROWS DOWN THE CENTER.
6. WHERE ONE ROLL OF MATTING ENDS AND ANOTHER BEGINS, THE END OF THE TOP STRIP SHALL OVERLAP THE UPPER END OF THE LOWER STRIP BY 4-IN MINIMUM, USING SHIPLAP FASHION. REINFORCE THE OVERLAP WITH A DOUBLE ROW OF STAPLES SPACED 6-IN C-C IN A STAGGERED PATTERN ON EITHER SIDE.
7. THE DISCHARGE END OF THE MATTING LINER SHALL BE SIMILARLY SECURED WITH 2 DOUBLE ROWS OF STAPLES SPACED 6-IN C-C IN A STAGGERED PATTERN ON EITHER SIDE.
8. IF FLOW WILL ENTER FROM THE EDGE OF THE MATTING THEN THE AREA EFFECTED BY THE FLOW MUST BE KEYED-IN.

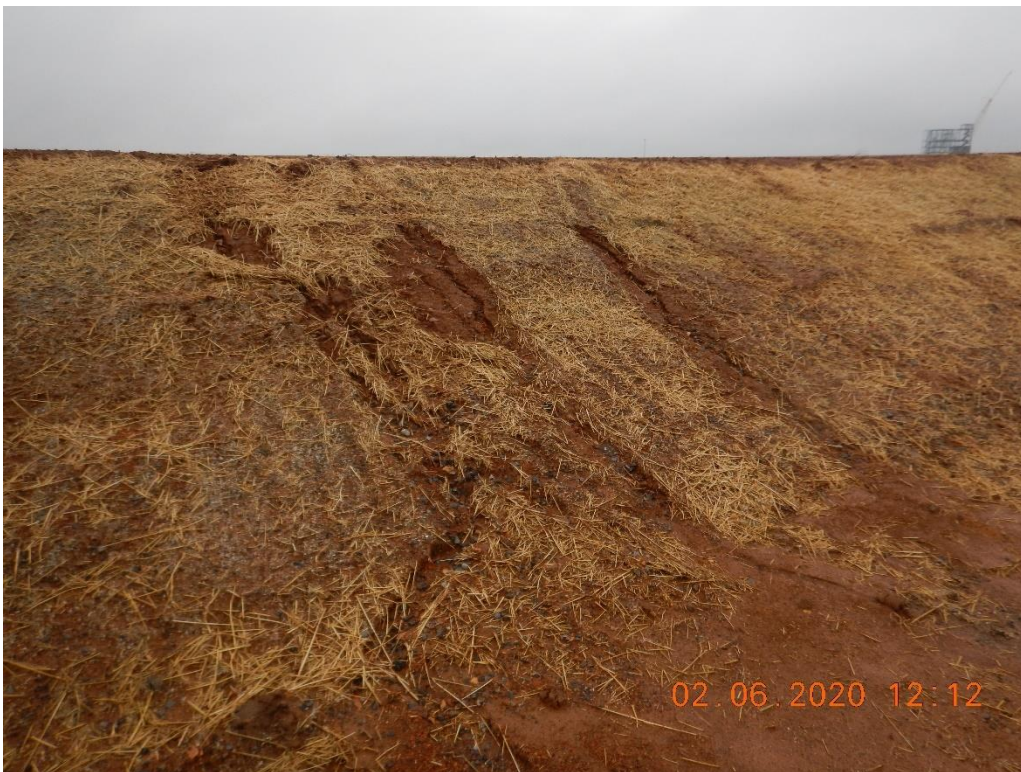


**TRACKING A CONSTRUCTED SLOPE**  
NOT TO SCALE





Diversion channel not installed per plan sheet details with ECM and rock check dams.



Improperly tracked in constructed slopes are aiding in the development of erosion rills to form on fill slopes that are found throughout the project site.



Multiple construction entrances along LOD of project that are not rocked.



By-pass under silt fence that allows sediment laden water to leave the site.



No fill slope protection on constructed slopes with erosion rills.



Diversion along Northport Ave. does not have rock check dams as indicated on plan sheet 9.