**A picture containing text, tableware, plate, dishware

Description automatically generated**

**ANNUAL INSPECTION REPORT for NEORSD GREEN INFRASTRUCTURE GRANT**

BIORETENTION AREA & POROUS PAVEMENT

|  |  |
| --- | --- |
| **Applicant Person of Contact:**  ADD CONTACT INFO HERE | **NEORSD Person of Contact**  Christopher S. Hartman, CPESC, CESSWI, CPSWQ  Stormwater Technical Specialist  3900 Euclid Ave  Cleveland, Ohio 44115  216-881-6600 ext. 6656  [hartmanc@neorsd.org](mailto:hartmanc@neorsd.org) |

|  |  |  |  |
| --- | --- | --- | --- |
| **Site Project Name and Location:**  ${A1\_DEFAULT} | | | |
| **Inspected by:**  Christopher S. Hartman - Stormwater Technical Specialist  Jessica S. Cotton, GISP, GIP – Grant Programs Administrator | | | |
| **Parcel Number:**  Test | **Weather Conditions:**  ${C1\_DEFAULT} | | **Rain in Last 48 Hours**  ${RAIN48HOURS} |
| **Date and Time:**  ${DATETIME} | **Last Inspection Date:**  ${Q1\_DEFAULT} | | **Concerns?**  **Yes** |
| **Summary:**  This annual inspection report provides a summary of any needed maintenance actions for the above referenced green infrastructure project, which was funded by an NEORSD grant. Your organization is responsible for the long-term operation and maintenance of this project. | | **Site Location Map:**  ${geometry}  This information is for display purposes only. The Northeast Ohio Regional Sewer District (NEORSD) makes no warranties, expressed or implied, with respect to the accuracy of and the use of this data for any specific purpose. This data was created to serve as base information for use in Geographic Information Systems (GIS) for a variety of planning and analysis purposes. NEORSD expressly disclaims any liability that may result from the use of this map. | |

${#BIORETENTION}

**BIORETENTION:** This bioretention is # ${BIOCOUNT} and is located ${BIOLOC} within project area.

| 1. **Pretreatment Practice** | |
| --- | --- |
| Has sediment accumulated? | **${BIOPRESEDIMENT | selected:"yes"} Yes ${BIOPRESEDIMENT |selected:"no"} No ${BIOPRESEDIMENT | selected:"na"} NA** |
| Has trash and debris accumulated? | **${BIOPRETRASH | selected:"yes"} Yes ${BIOPRETRASH | selected:"no"} No ${BIOPRETRASH | selected:"na"} NA** |
| Are there any actions needed? | **${BIOTRASHACTION | selected:"yes"} Yes ${BIOTRASHACTION | selected:"no"} No ${BIOTRASHACTION | selected:"na"} NA** |
| Comments:  **${BIOPRECOMMENT}** | |

| 1. **Signage** | |
| --- | --- |
| Is the permanent educational signage in good condition? | **${BIODSIGNC | selected:"yes"} Yes ${BIODSIGNC |selected:"no"} No ${BIODSIGNC | selected:"na"} NA** |
| Are there any actions needed? | **${BIOSIGNACTION | selected:"yes"} Yes ${BIOSIGNACTION | selected:"no"} No ${BIOSIGNACTION | selected:"na"} NA** |
| Comments:  **${BIOSIGNCOMMENT}** | |

| 1. **Inlet** | |
| --- | --- |
| Has sediment accumulated and/or is it blocking the inlets? | **${BIOPRESEDIMENT | selected:"yes"} Yes ${BIOPRESEDIMENT |selected:"no"} No ${BIOPRESEDIMENT | selected:"na"} NA** |
| Are the inlets in good structural condition? | **${BIOINLETSPOOR | selected:"yes"} Yes ${BIOINLETSPOOR |selected:"no"} No ${BIOINLETSPOOR | selected:"na"} NA** |
| Is the stormwater runoff bypassing the inlets? | **${BIOINLETSTORM | selected:"yes"} Yes ${BIOINLETSTORM |selected:"no"} No ${BIOINLETSTORM | selected:"na"} NA** |
| Are there any actions needed? | **${BIOINLETSACTION | selected:"yes"} Yes ${BIOINLETSACTION | selected:"no"} No ${BIOINLETSACTION | selected:"na"} NA** |
| Comments:  **${BIOPRECOMMENT}** | |

| 1. **Vegetation** | |
| --- | --- |
| Is the vegetation wilting, discolored, or dying due to disease or stress? | **${BIOVEGWILTING | selected:"yes"} Yes ${BIOVEGWILTING |selected:"no"} No ${BIOVEGWILTING | selected:"na"} NA** |
| Does the desirable vegetation need to be controlled, thinned, mowed, or manually removed? | **${BIOVEGCONTROL | selected:"yes"} Yes ${BIOVEGCONTROL |selected:"no"} No ${BIOVEGCONTROL | selected:"na"} NA** |
| Do non-desirable weeds need to be controlled? | **${BIOVEGNON | selected:"yes"} Yes ${BIOVEGNON |selected:"no"} No ${BIOVEGNON | selected:"na"} NA** |
| Are there any actions needed? | **${BIOVEGACTION | selected:"yes"} Yes ${BIOVEGACTION | selected:"no"} No ${BIOVEGACTION | selected:"na"} NA** |
| Comments:  **${BIOPRECOMMENT}** | |

| 1. **Infiltration Bed** | |
| --- | --- |
| Has trash and debris accumulated? | **${BIOBEDTRASH | selected:"yes"} Yes ${BIOBEDTRASH |selected:"no"} No ${BIOBEDTRASH | selected:"na"} NA** |
| Do accumulated sediments need to be dredged (insufficient ponding capacity)? | **${BIOBEDSEDIMENT | selected:"yes"} Yes ${BIOBEDSEDIMENT |selected:"no"} No ${BIOBEDSEDIMENT | selected:"na"} NA** |
| Is there standing water present after 24 hours? | **${BIOBEDWATER | selected:"yes"} Yes ${BIOBEDWATER |selected:"no"} No ${BIOBEDWATER | selected:"na"} NA** |
| Is there evidence of erosion caused by concentrated flow? | **${BIOBEDEROSION | selected:"yes"} Yes ${BIOBEDEROSION |selected:"no"} No ${BIOBEDEROSION | selected:"na"} NA** |
| Is the mulch layer in need of attention (e.g., depleted, compacted)? | **${BIOBEDMULCH | selected:"yes"} Yes ${BIOBEDMULCH |selected:"no"} No ${BIOBEDMULCH | selected:"na"} NA** |
| Are there any sinkholes or animal burrows present? | **${BIOBEDHOLES | selected:"yes"} Yes ${BIOBEDHOLES |selected:"no"} No ${BIOBEDHOLES | selected:"na"} NA** |
| Does the soil media need to be tested (adjusted or replaced as necessary)? | **${BIOBEDTEST | selected:"yes"} Yes ${BIOBEDTEST |selected:"no"} No ${BIOBEDTEST | selected:"na"} NA** |
| Are there any actions needed? | **${BIOBEDACTION | selected:"yes"} Yes ${BIOBEDACTION | selected:"no"} No ${BIOBEDACTION | selected:"na"} NA** |
| Comments:  **${BIOPRECOMMENT}** | |

| 1. **Side Slopes and Embankment** | |
| --- | --- |
| Is there evidence of erosion or instability? | **${BIOSIDEEROSION | selected:"yes"} Yes ${BIOSIDEEROSION |selected:"no"} No ${BIOSIDEEROSION | selected:"na"} NA** |
| Are there any sinkholes or animal burrows present? | **${BIOSIDESINKHOLES | selected:"yes"} Yes ${BIOSIDESINKHOLES |selected:"no"} No ${BIOSIDESINKHOLES | selected:"na"} NA** |
| Are there any actions needed? | **${BIOSIDEACTION | selected:"yes"} Yes ${BIOSIDEACTION | selected:"no"} No ${BIOSIDEACTION | selected:"na"} NA** |
| Comments:  **${BIOPRECOMMENT}** | |

| 1. **Outlets and Overflow Structure (i.e., catch basin)** | |
| --- | --- |
| Are the outlet or overflow structures in good structural condition? | **${BIOOUTOVERPOOR | selected:"yes"} Yes ${BIOOUTOVERPOOR |selected:"no"} No ${BIOOUTOVERPOOR | selected:"na"} NA** |
| Is sediment, trash, or debris blocking the overflow structure? | **${BIOOUTOVERSED | selected:"yes"} Yes ${BIOOUTOVERSED |selected:"no"} No ${BIOOUTOVERSED | selected:"na"} NA** |
| Is erosion occurring around the outlet structure? | **${BIOOUTOVERERO | selected:"yes"} Yes ${BIOOUTOVERERO |selected:"no"} No ${BIOOUTOVERERO | selected:"na"} NA** |
| Are the underdrains in good condition? | **${BIOOUTOVERHT | selected:"yes"} Yes ${BIOOUTOVERHT |selected:"no"} No ${BIOOUTOVERHT | selected:"na"} NA** |
| Are there any actions needed? | **${BIOOUTOVERACTION | selected:"yes"} Yes ${BIOOUTOVERACTION | selected:"no"} No ${BIOOUTOVERACTION | selected:"na"} NA** |
| Comments:  **${BIOPRECOMMENT}** | |

| **NOTE: Wet Weather** |
| --- |
| To gain a true sense of how well your green infrastructure stormwater practice is functioning, NEORSD always recommends the owner of these practices observe them during multiple rain events. |

**Below are photos relevant to the comments made in this report.**

This bioretention is # ${BIOCOUNT} and is located ${BIOLOC} within project area.

|  |
| --- |
| ${IMAGE1 | size:460:0}  ${PHOTOCOUNT1}  ${/} |

${#POROUSPAVEMENT}

**PERMEABLE PAVEMENT: Permeable Pavement #** ${PPCOUNT} and it is the ${PPLOC} location within project area

| 1. **Pretreatment Practice** | |
| --- | --- |
| Has sediment accumulated? | **${PPSED | selected:"yes"} Yes ${PPSED |selected:"no"} No ${PPSED | selected:"na"} NA** |
| Has trash and debris accumulated? | **${PPTRASH | selected:"yes"} Yes ${PPTRASH | selected:"no"} No ${PPTRASH | selected:"na"} NA** |
| Are there any actions needed? | **${PPACTION | selected:"yes"} Yes ${PPACTION | selected:"no"} No ${PPACTION | selected:"na"} NA** |
| Comments:  **${PPCOMMENT}** | |

| 1. **Signage** | |
| --- | --- |
| Is the permanent educational signage in good condition? | **${PPSIGNC | selected:"yes"} Yes ${PPSIGNC |selected:"no"} No ${PPSIGNC | selected:"na"} NA** |
| Are there any actions needed? | **${PPSIGNACTION | selected:"yes"} Yes ${PPSIGNACTION | selected:"no"} No ${PPSIGNACTION | selected:"na"} NA** |
| Comments:  **${PPSIGNCOMMENT }** | |

| 1. **PAVEMENT PERIMETER** | |
| --- | --- |
| Is the transition area where non-permeable pavement abuts permeable pavement unstable/deteriorating? | **${PPTRANS | selected:"yes"} Yes ${PPTRANS |selected:"no"} No ${PPTRANS | selected:"na"} NA** |
| Are the inlets in good structural condition? | **${PPEDGE | selected:"yes"} Yes ${PPEDGE |selected:"no"} No ${PPEDGE | selected:"na"} NA** |
| Are there any actions needed? | **${PPTRANSAREAACTION | selected:"yes"} Yes ${PPTRANSAREAACTION | selected:"no"} No ${PPTRANSAREAACTION | selected:"na"} NA** |
| Comments: **${PPTRANSAREACOMMENT}** | |

| 1. **PERMEABLE PAVEMENT SURFACE AND JOINTS** | |
| --- | --- |
| Has sediment accumulated on pavement surface, and/or within pavement joints (for pavers only)? | **${PPSJSED | selected:"yes"} Yes ${PPSJSED |selected:"no"} No ${PPSJSED | selected:"na"} NA** |
| Has trash and debris accumulated on pavement surface? | **${PPSJTRASH | selected:"yes"} Yes ${PPSJTRASH |selected:"no"} No ${PPSJTRASH | selected:"na"} NA** |
| Has the pavement deteriorated (e.g., cracked, settled, or raveled, etc.)? | **${PPSJDET | selected:"yes"} Yes ${PPSJDET |selected:"no"} No ${PPSJDET | selected:"na"} NA** |
| Are there any actions needed? | **${PPSJFILL | selected:"yes"} Yes ${PPSJFILL |selected:"no"} No ${PPSJFILL | selected:"na"} NA** |
| Comments: **${PPSJCOMMENT}** | |

| 1. **OUTLETS AND OVERFLOW STRUCTURE (I.E., CATCH BASIN)** | |
| --- | --- |
| Is the overflow structure in good structural condition? | **${OOGOOD | selected:"yes"} Yes ${OOGOOD |selected:"no"} No ${OOGOOD | selected:"na"} NA** |
| Is erosion occurring around the outlet? | **${OOEROSION | selected:"yes"} Yes ${OOEROSION|selected:"no"} No ${OOEROSION | selected:"na"} NA** |
| Are the underdrains in good structural condition? | **${OOUNDER | selected:"yes"} Yes ${OOUNDER |selected:"no"} No ${OOUNDER | selected:"na"} NA** |
| Are there any actions needed? | **${OOACTION | selected:"yes"} Yes ${OOACTION | selected:"no"} No ${OOACTION | selected:"na"} NA** |
| Comments:  **${OOCOMMENT}** | |

| **NOTE: Wet Weather** |
| --- |
| To gain a true sense of how well your green infrastructure stormwater practice is functioning, NEORSD always recommends the owner of these practices observe them during multiple rain events. |

**Below are photos relevant to the comments made in this report.**

**This permeable pavement is #** ${PPCOUNT} and is located ${PPLOC} within the project area.

${IMAGE2 | size:460:0}

${PHOTOCOUNT2}

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${/}