BME ASSOCIATES
ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS

CONSTRUCTION STORMWATER OBSERVATION REPORT

Project Name and Location:
Crowne Pointe
Town of Penfield

Owner:
Redstone Builders
Steve Philippone

Contractor:
Herb Boyce

Date: 10/31/23
Time: 10:00 am
Permit No. (if any): NYR10K848

Weather Conditions: Cloudy, 38°
Soil Conditions: Wet
Receiving Waters:
Wetland(s) ☑ Storm Sewer(s) ☑
Stream(s) ☐ Other(s) ☐

Project #: 2501
Drawing #:
NOI, Certifications, etc. Provided: 06/13/16 (date)
On-Site: In Mailbox (date)
Observations by: D Ide

Stages of Construction: *(check all that apply)*

- ☐ Clearing & Grubbing
- ☐ Rough Grading/Earthwork
- ☐ Utility Installation
- ☐ Final Grading
- ☑ Building/Lot Construction
- ☐ Temporary Stabilization
- ☐ Final Stabilization
- ☐ Topsoil Screening
- ☐ No Construction Activity

Email Distribution:
DATE: 10/31

- ☑ OWNER
- ☑ CONTRACTOR
- ☑ MUNICIPALITY
- ☐ _____

Inspection Frequency: ☐ Semiweekly ☑ Weekly ☐ Monthly ☐ Other _____

Yes	No	N/A		CHECKLIST:	COMMENTS:
☐	☑	☐	1.	Is there evidence of turbidity in the receiving waters, or causing a substantial visible contrast to natural conditions?	Discharge is clear
☐	☑	☐	2.	Is there evidence of sedimentation in the receiving waters?	Receiving waters are clear
☑	☐	☐	3.	Adjoining properties and downstream waterways protected from erosion and sediment due to stormwater runoff from the construction site?	
☑	☐	☐	4.	Have all erosion control measures been installed/constructed per Grading & Erosion Control Plan?	Where needed
☐	☑	☐	5.	Are erosion control measures in need of repair, replacement or enhancement?	
☐	☐	☑	6.	Are perimeter erosion control measures functioning?	
☑	☐	☐	7.	Have the stabilized construction entrances been installed & maintained?	
☑	☐	☐	8.	Have public roadways and site access roads been kept free of mud and debris?	
☑	☐	☐	9.	Are check dams in good condition?	
☐	☐	☑	10.	Has accumulated sediment been removed from check dam(s)?	
☐	☑	☐	11.	Do all operational storm inlets have adequate inlet protection?	Add inlet protection
☐	☐	☑	12.	Have sediment basins and traps been constructed according to approved plans?	
☑	☐	☐	13.	Are finished cut and fill slopes adequately stabilized?	
☑	☐	☐	14.	Are areas where soil disturbance has ceased been temporary/permanently stabilized within 7 days (≥5 acres) or 14 days (<5 acres) of last disturbance?	
☑	☐	☐	15.	Is the site adequately stabilized at this time?	
☑	☐	☐	16.	Are soil stockpiles in appropriate locations and covered, mulched or vegetated?	
☐	☑	☐	17	Is dust control needed?	
☑	☐	☐	18.	Is construction site litter and debris appropriately managed?	
☑	☐	☐	19.	Have all permanent stormwater management facilities been installed/constructed?	
☑	☐	☐	20.	Has construction sequence been followed?	
☐	☑	☐	21.	Are additional temporary erosion control measures needed?	
☐	☐	☑	22.	Have temporary measures that are no longer needed been removed?	
☐	☑	☐	23.	Have all deficiencies from previous reports been addressed?	

☑ See attached sketch *(if necessary)* ☐ SWPPP Modification *(See attached)* ☑ See Corrective Actions

Notes: The SWPPP Book has been posted on the gate across from lot 402.

Section 4: Construction continues on lot 403. Add inlet protection to DI's near disturbed areas. Install cwo prior to next pour.

BME ASSOCIATES

SWT# 040T-022323-32
☐ P.E. ☐ R.L.A. ☐ CPESC ☑ SWT

10/31/23
Date

This record is intended to provide compliance with the provisions of Part IV.C.4. of the NYS DEC SPDES General Permit for Stormwater Discharges from Construction Activities.

POND 3

LT. STONE RIP RAP 9"DX6"WX10'L SEE DETAIL

EXISTING SECTION 3A CROWNE POINTE SUB.

EXISTING SECTION 3B CROWNE POINTE SUB.

SECTION 4

PROPOSED STORM EVENTS PONDING ELEVATIONS
100 YR STM. EL. 493.12
10 YR STM. EL. 491.96
1 YR STM. EL. 490.24
STATIC WATER EL. 488.8

6' WIDE EMERGENCY SPILLWAY ELEV. 493.20 LINE WITH LT. STONE RIP RAP MIN. 18" THICK TOP OF POND 494.5

1 ON 4 POND SIDE SLOPE

MICRO POOL 6200 CF SILTATION PROVIDED

FOREBAY 9700 CF SILTATION PROVIDED

CONSTRUCTION DITCH, TYPE A, 4' BOTTOM WIDTH, 1.5' MIN. DEPTH, 1 ON 2 SIDE SLOPE. SEE NYSDEC SPEC. CLEAN SILT AT 50% CAPACITY

TEMPORARY SEDIMENT SILTATION BASINS AT CONTOUR ELEV. 488.8, 4.8 FT DEEP WITH 1 ON 2 SIDE SLOPE. (3.7 AC DIST. AT 3600 CF PER AC. = 13,200 CF REQ.) SILTATION BASIN TOTAL PROVIDED 15,900 CF.) PROVIDE 2 GRADE STAKES EACH AT ELEV. 486.5.0 AND INDICATE SILT REMOVAL LEVEL BY CONTRACTOR
TOTAL SEDIMENT SILTATION PROVIDED (BASIN AND DITCH) 20,520 CF

NOTE:
THE PROPOSED POND IS TO BE USED AS A SEDIMENT SILTATION BASIN DURING CONSTRUCTION. ONCE THE SITE DISTRUBANCE HAS BEEN COMPLETELY STABILIZED THE POND MUST BE CLEANED OF SILT AND THE PROPOSED POND GRADE ELEVATIONS MUST BE VERIFIED.

NYSDEC WETLAND PN-12 HAS BEEN DELINEATED TO BE ACCURATE BY NYSDEC 4-19-2021

NYSDEC WETLAND PN-12 100' BUFFER

LT. STONE RIP RAP TEMPORARY

CONSTRUCTION DITCH, TYPE A, 4' BOTTOM WIDTH, 1.5' MIN. DEPTH, 1 ON 2 SIDE SLOPE. SEE NYSDEC SPEC. CLEAN SILT AT 50% CAPACITY

CLEARING LIMITS

SLOPE 0.5%-3.0%

EXISTING DITCH TO BE FILLED

TEMPORARY SEDIMENT SILTATION CONSTRUCTION DITCH 1152' X 4' WIDE X 1.5' DEEP = 6912 CF PROVIDED.

LT. STONE RIP RAP 9"DX6"WX10'L SEE DETAIL

TEMPORARY SEDIMENT TRAP 10'X40'X2.0'

PROVIDE INLET WITH DROP INLET PROTECTION SEE DETAIL BELOW, TYP.

CHECK DAM TYP.

CLEARING LIMITS

TALL CASTLE LANE

USE SILT SOCK INLET PROTECTION ALL LOCATIONS, SEE SWPPP STORM DRAIN INLET PROTECTION TYPE IV DETAIL

Staging area

CONSTRUCTION DITCH, TYPE A, 4' BOTTOM WIDTH, 1.5' MIN. DEPTH, 1 ON 2 SIDE SLOPE. SEE NYSDEC SPEC. CLEAN SILT AT 50% CAPACITY

SLOPE 0.5%-3.0%

SECTION 4



Add inlet protection to DI's near disturbed areas 5-23-23

GRADING NOTES

1. SHOULD FARM TILES BE ENCOUNTERED DURING EARTH MOVING OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE TOWN INSPECTOR AND PROJECT ENGINEER FOR DETERMINATION OF TILES DISPOSITION (REMOVAL, PLUG, OR CONNECT TO THE STORM SEWER SYSTEM).

2. CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL DEVICES AS DIRECTED BY THE TOWN AND PROJECT ENGINEER.

3. SEE STORM WATER POLLUTION PREVENTION PLAN FOR OVERALL SUBDIVISION GRADING.

4. SEE DETAILS AND NOTES FOR GRADING AND EROSION CONTROL NOTES.

L BE PERIMETER

8. STABILIZATION MEASURES (TEMPORARY OR PERMANENT SEEDING MULCHING, GEOTEXTILE, ETC.) MUST BE INITIATED WITHIN 14 DAYS (5 ACRES OR LESS DISTURBANCE), WITHIN 7 DAYS (MORE THAN 5 ACRES DISTURBANCE)

9. FOR ADDITIONAL EROSION CONTROL MEASURES SEE SWPPP.

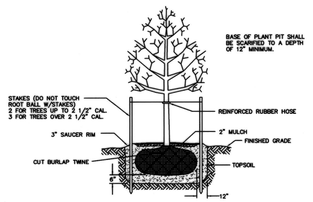
10. GREEN INFRASTRUCTURE PRACTICES FOR SOIL RESTORATION

PRESERVATION OF UNDISTURBED AREAS:
CONSERVATION EASEMENT
ROOF TOP AREA DISCONNECTION
SOIL RESTORATION REQUIREMENTS:
A. AREAS OF TOPSOIL STRIPPED WITH NO CHANGE IN GRADE
*AERATE SUBSOIL AND APPLY 6 INCHES OF TOPSOIL
B. AREAS OF CUT AND FILL
*APPLY 3 INCHES OF COMPOST OVER SUBSOIL.
*TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12" USING A TRACTOR MOUNTED DISC.
*ROCH PICK UNTIL UPLIFTED ROCK MATERIALS OF 4" AND LARGER ARE CLEANED OFF THE SITE.
*APPLY TOPSOIL TO A DEPTH OF 6" MIN.
*VEGETATE AS REQUIRED BY APPROVED PLAN.

11. PROVIDE ORANGE CONSTRUCTION SAFETY FENCE AROUND POND AND SILT SINK SEDIMENT TRAP LOCATIONS DURING CONSTRUCTION (RECOMMENDED)

12. REMOVE EROSION CONTROL ITEMS ONCE THE FINAL STABILIZATION IS COMPLETE.

CERTIFICATION OF COMPLIANCE WITH SPDES GENERAL PERMIT # GP-0-20-001



TYPICAL TREE PLANTING DETAIL
N.T.S.

LEGEND:

- BOUNDARY LINE
- CENTERLINE OF ROAD
- EXIST. R.O.W. LINE
- EXIST. PROPERTY LINE
- EXIST. PAVEMENT
- PROP. R.O.W.
- PROP. LOT LINE
- SETBACK LINE
- EXIST. BUILDING LINE
- EXIST. EASEMENT LINE
- PROP. EASEMENT LINE
- 641 EXIST. CONTOUR LINE
- 641 PROP. CONTOUR LINE
- + 641.5 PROP. SPOT ELEVATION
- PROP. CONSTRUCTION DITCH
- CHECK DAM
- F.I. SILT FENCE PROTECTION
- STREET TREE
- C.B. INLET PROTECTION

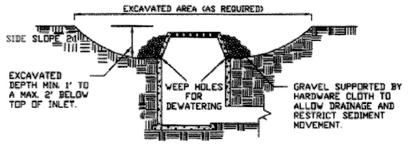
GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

SYMBOL





CONSTRUCTION SPECIFICATIONS

1. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
2. GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
3. WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
4. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES, FILL EXCAVATION WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.

MAXIMUM DRAINAGE AREA 1 ACRE

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

EXCAVATED DROP INLET PROTECTION

STREET/LOT TREE LIST

THE FOLLOWING LIST HAS THREE (3) DIFFERENT SPECIES OF TREES. THE INTENT IS TO PROVIDE A VARIETY OF TREES THROUGHOUT THE DEVELOPMENT. THE TREES FOR THE LOTS SHOULD BE ALTERNATED AS NOT TO HAVE THE SAME TREE SPECIES AS THE NEIGHBORING LOT.

THE FOLLOWING SELECTED LIST OF TREE SPECIES HAS VARYING TYPES TO CHOOSE FROM, ANY ALTERNATE SPECIES/TYPES NEED TO BE APPROVED BY THE TOWN PRIOR TO SELECTION AND PLANTING.

SPECIES	TYPE (COMMON NAME)	QTY.	SIZE	SPACING
OAK	RED OAK	4	2 1/2" CAL.	AS SHOWN
LINDEN	GREEN SPIRE	4	2 1/2" CAL.	AS SHOWN
MAPLE	SUGAR MAPLE	6	2 1/2" CAL.	AS SHOWN

NOTES:
1. ALL TREES SHALL HAVE A 2 (TWO) YEAR GUARANTEE.
2. GRASSED AREAS TO BE INSTALLED AND FERTILIZED TO ENSURE GROWTH.
3. ALL STREET TREES ARE TO BE PLANTED A MINIMUM OF FIVE (5) FT. OUTSIDE OF ANY SANITARY SEWER OF STORM SEWER EASEMENT..

APPROVED BY: _____ PLANNING BOARD CHAIRPERSON DATE: 7-16-21

APPROVED BY: _____ PLANNING & ENGINEERING DATE: 7/16/21

APPROVED BY: _____ DIRECTOR OF PUBLIC WORKS DATE: 7/13/21

APPROVED BY: _____ LANDSCAPE CONSULTANT DATE: 7-12-21

NO.	REVISION	APP.	DATE
1	TOWN PRC REVIEW COMMENTS	NES	4/20/19
2	MCWA REVIEW COMMENTS	NES	6/10/19
3	MCDOH REVIEW COMMENTS	NES	6/10/19
4	TOWN PRC REVIEW COMMENTS	NES	9/16/19
5	NYSDEC WETLAND APPROVED DELINEATION 4-19-21	WFB	5/20/21
6	TOWN REVIEW COMMENTS	NES	7/2/21

Legend

- Actively Worked Soils
- Temporary Stabilization
- Soils Requiring Stabilization
- Stabilized Soils
- Hydroseeded
- Paved or Stoned
- Stockpiles
- Silt Fence