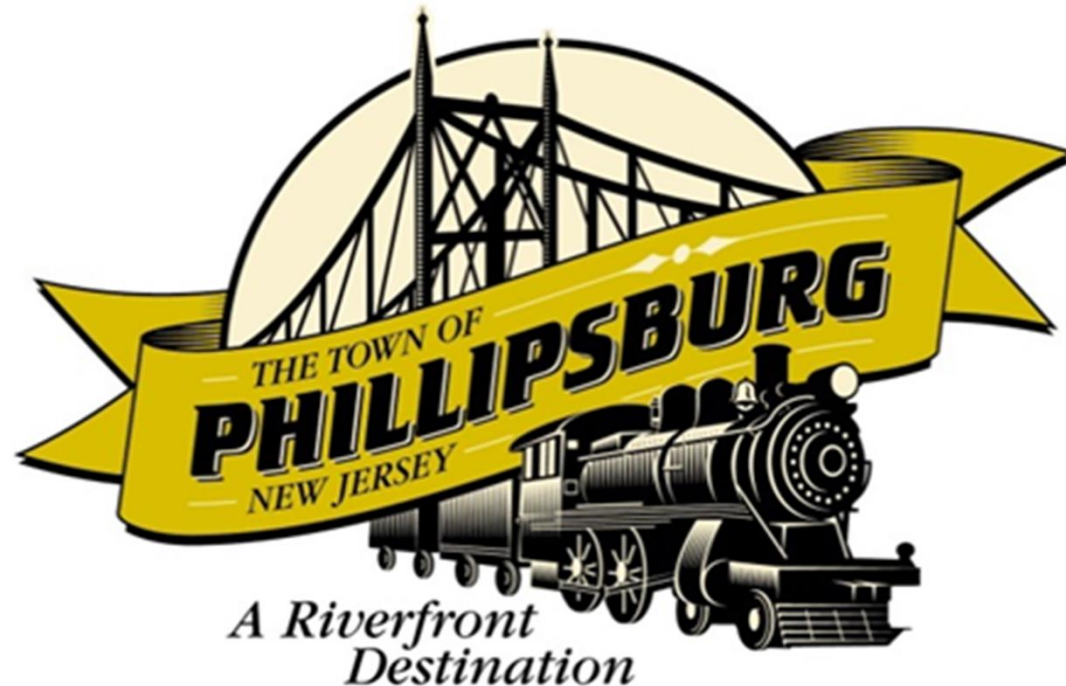


# MUNICIPAL STORMWATER PROGRAM



PREPARED BY



2/27/20  
PB Rev.

# PROGRAM HISTORY

MUNICIPAL STORMWATER PROGRAM HAS BEEN IN PLACE SINCE 2004 BASED REQUIREMENTS ISSUED BY THE FEDERAL ENVIRONMENTAL PROTECTION AGENCY (EPA) THAT ARE OVERSEEN BY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION (NJDEP)

UPDATE IS REQUIRED BY NJDEP UNDER THE NEW JERSEY POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT (NJDES) AS PRESCRIBED UNDER N.J.A.C. 7:14A AND FURTHER PERMITTED UNDER MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PROGRAM

NJDEP LATEST'S MS4 PERMIT WAS ISSUED WITH EFFECTIVE DATE OF JANUARY 1, 2018.

PRIOR PLANS ISSUED BY THE TOWN WERE 2004, 2010 AND 2013

# PROGRAM COMPONENTS

## STORMWATER POLLUTION PREVENTION PROGRAM

PROVIDES A SYSTEM TO ADMINISTRATOR THE STORMWATER CONTROL MEASURES WITHIN THE TOWN BASED NJDEP MS4 REQUIREMENTS.

## MUNICIPAL STORMWATER MANAGEMENT PLAN

MUNICIPAL STORMWATER MANAGEMENT PLAN (MSWMP) DOCUMENTS THE STRATEGY FOR THE TOWN OF PHILLIPSBURG TO ADDRESS STORMWATER-RELATED IMPACTS. THE CREATION OF THIS PLAN IS REQUIRED BY N.J.A.C.7:14A-25 MUNICIPAL STORMWATER REGULATIONS. THIS PLAN CONTAINS ALL OF THE REQUIRED ELEMENTS DESCRIBED IN N.J.A.C.7:8 - STORMWATER MANAGEMENT RULES. THE PLAN ADDRESSES GROUNDWATER RECHARGE, STORMWATER QUANTITY, AND STORMWATER QUALITY IMPACTS BY INCORPORATING STORMWATER DESIGN AND PERFORMANCE STANDARDS FOR NEW MAJOR DEVELOPMENT, AS DEFINED UNDER THE TOWN CODE WHICH IS MORE RESTRICTIVE THAN NJDEP REQUIREMENTS. THESE STANDARDS ARE INTENDED TO MINIMIZE THE ADVERSE IMPACT OF STORMWATER RUNOFF ON WATER QUALITY AND WATER QUANTITY AND THE LOSS OF GROUNDWATER RECHARGE THAT PROVIDES BASE FLOW IN RECEIVING WATER BODIES. THE PLAN DESCRIBES LONG-TERM OPERATION AND MAINTENANCE MEASURES FOR EXISTING AND FUTURE STORMWATER FACILITIES.

## MUNICIPAL STORMWATER MITIGATION PLAN

MITIGATION PLAN IS A TOOL FOR TOWN TO PROVIDE ALTERNATIVE OPTIONS FOR A PRIVATE OR PUBLIC PROJECT TO MEET THE MINIMUM STORMWATER REQUIREMENTS ESTABLISHED BY NJDEP OR FURTHER RESTRICTED BY TOWN CODE. UNDER THE MS-4 PERMIT, THE TOWN IS NOT PERMITTED TO PROVIDE VARIANCES OR RELIEF FOR MAJOR DEVELOPMENTS UNLESS A MITIGATION PLAN IS IN PLACE.

# PREVENTION PROGRAM

## STORMWATER POLLUTION PREVENTION PROGRAM BREAKDOWN:

1. APPROVAL HISTORY
2. TEAM MEMBERS
3. REVISION HISTORY
4. PUBLIC INVOLVEMENT
5. PUBLIC EDUCATION AND PUBLIC OUTREACH
6. POST CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT
7. ORDINANCES/TOWN CODE
8. STREET SWEEPING
9. CATCH BASINS AND STORM DRAIN INLETS
10. STORM DRAIN INLET RETROFITTING
11. MUNICIPAL MAINTENANCE YARDS AND OTHER ANCILLARY OPERATIONS
12. EMPLOYEE TRAINING
13. OUTFALL PIPES
14. STORMWATER FACILITIES MAINTENANCE
15. TOTAL MAXIMUM DAILY LOAD INFORMATION
16. OPTIONAL MEASURES
17. STORM DRAINAGE MANHOLE AND CONVEYANCE NETWORK
18. ANNUAL REPORTS
19. AUDITS AND INSPECTION REPORTS
20. MS-4 PERMITS

# MANAGEMENT PLAN

MUNICIPAL STORMWATER MANAGEMENT PLAN ELEMENTS:

ESTABLISHES STORMWATER RELATED GOALS BASED ON THE MASTER PLAN

- REDUCTION OF FLOOD DAMAGE
- LIMIT SOIL EROSION
- PROMOTE GROUNDWATER RECHARGE EFFORTS WHERE CONDITIONS PERMIT
- PROMOTE HEALTHY STREAMS AND ENVIRONMENTAL SENSITIVE AREAS THAT IMPACTED BY STORMWATER
- ADDRESS RUNOFF FROM NEW AND EXISTING DEVELOPMENTS
- ENSURE STORMWATER SYSTEMS ARE DESIGNED PROPERLY

REVIEW LOCAL CHARACTERISTICS THAT IMPACT STORMWATER

- COMMUNITY LAND USE
- LOCATION OF WATERWAYS
- HYDROLOGIC INFORMATION
- LOCATION OF WETLANDS

STORMWATER TECHNICAL OVERVIEW

REVIEW FACTORS OF STORMWATER DESIGN STANDARDS/GOALS

# MITIGATION PLAN

## OVERVIEW

- The proposed mitigation plan is an optional element under the MS-4 permit.
- Based on NJDEP guidance published in 2006
- Provides tool for the Town to provide alternative means to comply with Stormwater regulations for project subject to the Town's approval as the Town can't provide such relief without the plan.
- Without the plan a developer would need to seek approval of stormwater relief directly from NJDEP.
- Provides alternative projects for quantity, quality and recharge within same watershed and/or Town limits
- Provides framework how the Town or Planning Board to review and approve mitigation applications and requirements of such applications.

# MITIGATION PLAN

## HIGHLIGHTS OF ALTERNATIVE PROJECTS PERMITTED

- Permits projects to construct offsite stormwater control measures that couldn't be accommodated onsite
- Permits projects to improvements to the Towns sanitary and stormwater system as means to meet requirements at no cost to the Town. Improvements might include installing eco-curb pieces, labeling inlets, improving outfalls, repairing cross connections
- Cleanup of waterways
- Restoration of environmental sensitive areas
- Construction of green infrastructure
- Construction of greenway spaces in lieu of traditional groundwater recharge

# SUMMARY OF CHANGES

- STORMWATER CONTROL ORDINANCE WILL REMOVE EXEMPTION FROM SINGLE FAMILY HOMES.
- UPDATE MAJOR DEVELOPMENT AND MINOR DEVELOPMENT DEFINITION
- IMPLEMENT A PERMIT/INSPECTION PROGRAM OF PRIVATE STORMWATER FACILITIES.
- MAINTAIN CENTRAL LOCATION FOR PAPER AND DIGITAL DOCUMENTS RELATED TO PROGRAM.
- IMPLEMENT A MITIGATION PLAN.
- UPDATE ILLICIT/ILLEGAL CONNECTION ORDINANCE TO EXPEDITE REMOVAL OF CONNECTIONS.
- IMPLEMENT ENHANCED INSPECTION PROGRAM
- IMPLEMENT DEVELOPMENT CHECKLIST FOR ZONING/BUILDING PERMIT APPLICATIONS AND DEVELOPMENT APPLICATIONS
- IMPLEMENT PUBLIC EDUCATION OUTREACH
- IMPLEMENT FORMAL MANHOLE AND PIPELINE PROGRAM
- MAINTAIN DIGITAL STORMWATER SYSTEM MAPPING
- DEVELOP ASSET MANAGEMENT PLAN FOR STORMWATER SYSTEM



# NEXT STEPS

- GOVERNING BODY, TOWN DEPARTMENTS AND PUBLIC PROVIDE INPUT AND REVISIONS ARE INCORPORATED AS PERMITTED WITHIN REGULATIONS.
- GOVERNING BODY & PLANNING BOARD ADOPTS THE PROGRAM AND ADOPTS CODE AMENDMENTS
- PROGRAM IS IMPLEMENTED
- DEP AND COUNTY OFFICIALS ARE NOTIFIED OF UPDATED PROGRAM AS REQUIRED
- TRAINING ON UPDATED PROGRAM IS PROVIDED TO ALL DEPARTMENTS
- DEPARTMENTS UPDATE THEIR INTERNAL PROCESS
- PROGRAM RECORDS ARE UPDATED TO INCLUDE DEPARTMENT SOP'S AS NEEDED.

# DEADLINES & FUTURE UPDATES

- NEXT ANNUAL REPORT IS DUE APRIL 2020, THE UPDATED PLAN MUST BE APPROVED PRIOR TO SUBMISSION OF REPORT
- ALL OUTFALLS MUST BE MAPPED IN DIGITAL GIS FORMAT AND INSPECTED PER MS-4 PROGRAM REQUIREMENTS FOR APPROVAL BY NJDEP BY DECEMBER 2020
- HIGHLANDS STORMWATER PROGRAM UPDATES THROUGH HIGHLANDS FUNDING WILL OCCUR DURING 2020, PENDING HIGHLANDS FUNDING APPROVAL.