

NAME: BROXBORNE PUMP STATION GRINDER YEAR: 2014
 CONTRACTOR: ALLISON CONTRACTING, LLC COST: \$54,427
 SUMMARY: INSTALLATION OF SEWAGE GRINDER FOR DEBRIS & SOLIDS, TO IMPROVE FLOW, PREVENT BLOCKAGES, AND REDUCE OPERATIONS AND MAINTENANCE COSTS.



NAME: CITY PARK PERMEABLE PAVERS & BIORETENTION YEAR: 2013
 CONTRACTOR: PLATFORM CEMENT, INC. COST: \$214,177 (OEPA SWIF GRANT)
 SUMMARY: PERMEABLE PAVERS & BIORETENTION THROUGH GRANT FROM OEPA SWIF



NAME: SEARS/OLLIES BASIN IMPROVEMENTS YEAR: 2015
 CONTRACTOR: KEY POINT PARTNERS / NESHKIN COST: PROPERTY OWNER
 SUMMARY: INSTALLED TRASH RACK WITH PIPE HEADER & RISERS SURROUNDED WITH FILTER AGGREGATE AT OUTLET TO PREVENT BLOCKAGE FROM DEBRIS. REMOVED HALF OF CONCRETE CHANNEL IN BASIN TO PROMOTE INFILTRATION.



NAME: DOVER EQUALIZATION BASIN & CHAPEL HILL RELIEF SEWER YEAR: 2013
 CONTRACTOR: TRAX CONSTRUCTION COST: \$2.5M
 SUMMARY: CONSTRUCTION OF 635,000 GALLON UNDERGROUND EQUALIZATION BASIN AND 1,120 FEET OF 24-INCH SANITARY RELIEF SEWER ALONG CHAPEL HILL DR. TO PROVIDE ADDITIONAL STORAGE AND CONVEYANCE CAPACITY DURING HEAVY RAIN EVENTS.



NAME: PINE DRAINAGE BASIN IMPROVEMENTS YEAR: 2016-2017
 CONTRACTOR: MARK HAYNES CONSTRUCTION (APPARENT LOW) COST: \$226,355 (BID)
 SUMMARY: EXPANSION OF EXISTING POND STORAGE VOLUME. INSTALLATION OF INFILTRATION TRENCH. MODIFY OUTLET STRUCTURE TO CONTROL OUTFLOW. APPROXIMATELY 1 MILLION GALLONS OF STORAGE ADDED.



NAME: LEBERN PS-CLAGUE PS-DOVER PS-WALTER RELIEF YEAR: 2012-2013
 CONTRACTOR: KOKOSING & FABRIZI COST: \$8M
 SUMMARY: LEBERN PUMP STATION IMPROVEMENTS, ADDITION OF 1.25 MILLION GALLON UNDERGROUND EQUALIZATION BASIN & PUMP STATION AT CLAGUE PARK, & CONSTRUCTION OF 1,800 FEET OF SANITARY RELIEF SEWER ALONG WALTER ROAD.



NAME: BRADLEY PUMP STATION IMPROVEMENTS YEAR: 2017
 CONTRACTOR: NORTH BAY CONSTRUCTION, INC. COST: \$696,551 (BID)
 SUMMARY: REPLACE EXISTING PUMPS, MOTORS, AND CONTROLS, AND ADDITION OF SEWAGE GRINDER. IMPROVEMENTS ARE DUE TO AGE AND WILL IMPROVE PERFORMANCE, EFFICIENCY, & RELIABILITY.



NAME: CITY HALL PERMEABLE PAVERS & BIORETENTION YEAR: 2011-2012
 CONTRACTOR: KENT'S EXCAVATING COST: \$238,000 (OEPA SWIF GRANT)
 SUMMARY: PERMEABLE PAVERS & BIORETENTION SWALE



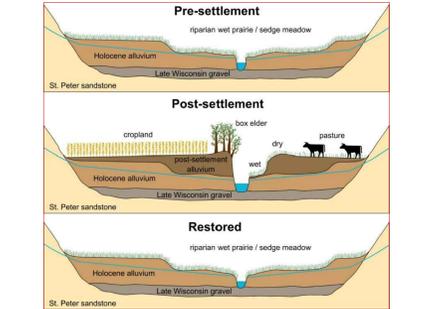
NAME: ONGOING DITCH INSPECTION, MAINTENANCE, & MONITORING YEAR: ANNUAL
 CONTRACTOR: CITY SERVICE & ENGINEERING DEPARTMENTS COST: CITY BUDGET
 SUMMARY: ANNUAL MAINTENANCE BY SERVICE DEPARTMENT. INSPECTIONS BY ENGINEERING DEPARTMENT IN 2015-16. PROACTIVE MONITORING & ABATEMENT OF DRAINAGE VIOLATIONS, LIKE DUMPING OF GRASS CLIPPINGS AND OTHER YARD DEBRIS.



NAME: POLICY & ENFORCEMENT YEAR: 2011-2016
 CONTRACTOR: VARIOUS COST: PROPERTY OWNER
 SUMMARY: BACKWATER VALVE POLICY PREPARED IN 2011. OVER 77 PERMITS ISSUED BETWEEN 2011-16 (NOT INCLUDING 2013). WORKING W/COUNTY TO ADDRESS I&I FROM TWIN OAKS-27202 COOK RD. UPDATED STORMWATER CODES 927 & 928.



NAME: ROOT DITCH RESTORATION YEAR: 2016-2017
 CONTRACTOR: NOCS / HAMMOND / SITETECH COST: PROPERTY OWNER
 SUMMARY: RESTORE FLOOD PLAIN TO PROVIDE STORAGE DURING EXTREME STORMS. OVER 550,000 CUBIC FEET OR 4.1 MILLION GALLONS OF STORAGE PROPOSED.



NAME: CULVERT REPLACEMENTS-BURNS & WINDSOR YEAR: 2012 & 2015
 CONTRACTOR: DAN-RAY CONST. & CG COLE CONST. COST: \$124,087 & \$337,318
 SUMMARY: CULVERT REPLACEMENTS



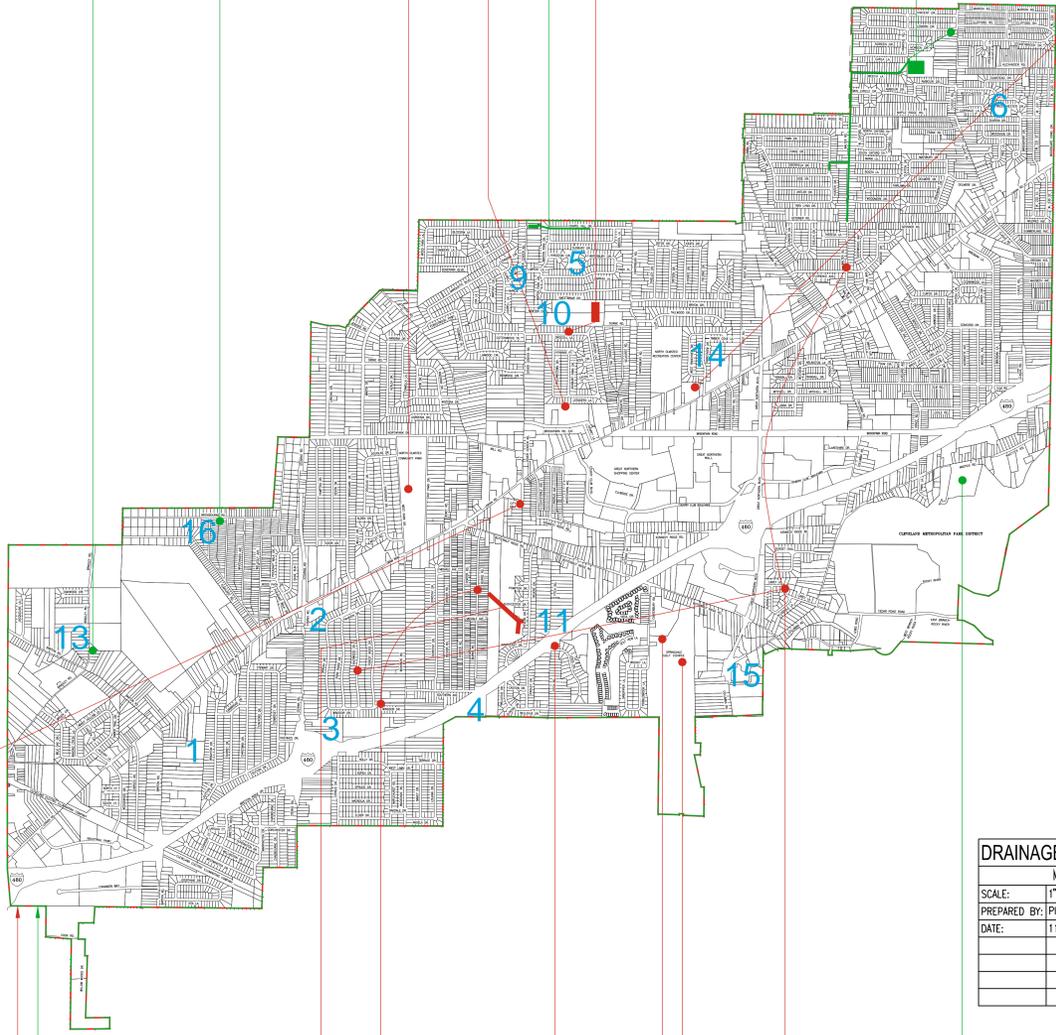
NAME: FITCH CULVERT CLEANING YEAR: 2014
 CONTRACTOR: CITY SERVICE DEPARTMENT COST: CITY BUDGET
 SUMMARY: DREDGING/REMOVAL OF SEDIMENT FROM ROOT DITCH BETWEEN HIGH SCHOOL AND FITCH CULVERT SOUTH OF I-480.



NAME: SPRINGVALE PARKING LOT BIORETENTION YEAR: 2013
 CONTRACTOR: LANDCO CONSTRUCTION INC. COST: \$34,442 (OEPA SWIF GRANT)
 SUMMARY: BIORETENTION SWALE THROUGH OEPA SWIF GRANT



NAME: SPRINGVALE POND MODIFICATIONS & DREDGING YEAR: 2015
 CONTRACTOR: MARK HAYNES CONSTRUCTION, INC. COST: \$48,000
 SUMMARY: DREDGE A PORTION OF SPRINGVALE POND. INSTALL A SECONDARY OUTLET CONTROL STRUCTURE TO PROVIDE ADDITIONAL WATER LEVEL CONTROL AND OVERFLOW DISCHARGE CAPACITY DURING EXTREME STORMS.



FUTURE CONSIDERATIONS (IN NO PARTICULAR ORDER)		
ID	DESCRIPTION	\$ RANGE
1	STORAGE - CHESTNUT SCHOOL CHANNEL RESTORATION	50-300k
2	STORAGE - ROOT DITCH MAIN @ LORAIN-STEARNIS PLAZA	50-300k
3	STORAGE - ROOT DITCH WEST LATERAL @ SPRUCE SCHOOL	50-300k
4	STORAGE - ROOT DITCH WEST LATERAL SOUTH OF I-480	50-400k
5	STORAGE - SANDY RIDGE HOA CHANNEL RESTORATION	50-300k
6	STORAGE - BRIDGEPORT VILLAGE/SHARON DR RETROFIT	20-200k
7	STORAGE - PRIVATE SYSTEM INSPECTION & MAINTENANCE	N/A
8	STORAGE - SANITARY SOUTH INTERCEPTOR	TBD
9	CONVEYANCE - DREDGE EHLE LATERAL, DOVER TO BLOSSOM	10-100k
10	CONVEYANCE - DREDGE EHLE LATERAL, DRISCOL TO DOVER	10-100k
11	CONVEYANCE - FITCH & I-480 RELIEF CULVERT	TBD
12	CONVEYANCE - ROADSIDE DITCHES, ASSESS & IMPROVE	TBD
13	CONVEYANCE - BRADLEY CULVERT (W/COUNTY 2018-20)	700-900k
14	CONVEYANCE - RANCHVIEW AVE. STREET INLETS	10-50k
15	CONVEYANCE - STABILIZE CULVERT OUTLET EAST OF SR252	TBD
16	CONVEYANCE - BROXBORNE PS DISCHARGE DIVERSION	5-50k
17	CONVEYANCE - I&I DETECTION & ELIMINATION	N/A
18	CONVEYANCE - SANITARY SEWER LINING	TBD
19	PUBLIC INFO & EDUCATION - WEB & NEWSLETTERS	N/A
20	PUBLIC INFO & EDUCATION - SOAKAGE TRENCH POLICY	N/A

DRAINAGE PROJECTS 2012-2016
 MAYOR KEVIN KENNEDY
 SCALE: 1"=±1,500'
 PREPARED BY: PIETRO DIFRANCO, CITY ENGINEER
 DATE: 11/03/16



NAME: STORM SEWER INTERCONNECTS YEAR: 2015
 CONTRACTOR: BROADWAY EXCAVATING COST: \$27,050
 SUMMARY: CONNECTED ADJACENT, SEPARATE DRAINAGE SYSTEMS TO PROVIDE RELIEF DURING EXTREME STORMS BY EQUALIZING FLOW (NEAR 24990 CAREY LN, 6000 SHERWOOD DR, & 3682 WALTER RD).

