


InterOffice Memo

To: Public Works Committee
Through: Carl Goldsmith, Director of Public Works
From: David A. Dratnol, P.E., Village Engineer 
Date: July 1, 2013
Subject: C.I.P. Stormwater Project Overview

Attached please find the C.I.P. Summary "Projects by Category" and a copy of the Powerpoint slides for the Stormwater Project Overview. We will discuss the stormwater projects at the PWC meeting.

Village of Lombard, Illinois
Capital Improvement Plan
 FY 14 thru FY 23

PROJECTS BY CATEGORY

Category	#	Priority	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Total
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Bikeway and Pedestrian Path Improve

Great Western Trail Lighting	FM 10 07	n/a				26,000	1,423,000						1,449,000
Train Station Underpass	FM 14 04	n/a	200,000										200,000
Liac Bikeway Improvements	FM 17 02	n/a			115,500								115,500
Bikeway and Pedestrian Path Improvements Total			200,000		115,500	26,000	1,423,000						1,764,500

Commuter Parking Facilities

Hammerschmidt Parking Lot - Extension	FM 14 05	n/a	712,000										712,000
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Commuter Parking Facilities Total

			712,000										712,000
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Facility Improvements & Maintenance

North Garfield Site - Maintenance Building	FM 13 02	n/a	550,000										550,000
Parkside Retaining Wall	FM 14 01	n/a	265,000										265,000
Police Department - Surveillance Cameras	FM 14 02	n/a	25,000										25,000
Fuel Island - Replacement	FM 15 01	n/a		250,000									250,000
Replace Range System (Bullet Trap System)	FM 15 02	n/a		163,000									163,000
Roof Replacement - Village Hall	FM 15 03	n/a		360,000									360,000
Security Card Access System	FM 15 04	n/a		50,000									50,000
Central Station HVAC Replacement	FM 16 01	n/a			35,000								35,000
Fire Station #1 Cascade SCBA Compressor	FM 16 02	n/a			40,000								40,000
Village Complex Lighting Improvement	FM 16 03	n/a			30,000								30,000
Fire Station #2 Outdoor Storage Facility	FM 17 01	n/a				30,000							30,000
Civic Center Reservoir - Windows & Doors	FM 18 01	n/a					20,000						20,000
Garage Expansion	FM 18 02	n/a					400,000						400,000
General Facility Maintenance	RM PROG 03	n/a	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000

Category	#	Priority	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Total
GIS Development Project	RM PROG 28	n/a	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Facility Improvements & Maintenance			915,000	898,000	180,000	105,000	495,000	75,000	75,000	75,000	75,000	75,000	2,968,000
Total													

Parking Lot Improvements

Parking Lot at 115 West St. Charles Road	ST 15 01	n/a		69,600									69,600
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69,600

Right of Way Maintenance and Beautification

Right-of-Way Beautification Program	RM PROG 01	n/a	65,000	65,000	65,000	68,250	68,250	68,250	68,250	71,500	71,500	71,500	682,500
Downtown TIF Streetscape Improvements	RM PROG 02	n/a	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
Parkway Ash Removal and Replacement Program	RM PROG 04	n/a	80,900	93,000	108,800	126,400	145,400	164,900	184,100	202,700	218,800	236,100	1,561,100
Right of Way Maintenance and Beautification Total			170,900	183,000	198,800	219,650	238,650	258,150	277,350	299,200	315,300	332,600	2,493,600

Sewer System/Stormwater Control Imp

Sewer Televising & Cleaning	RM PROG 05	n/a	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	300,000
Underground Structure Maintenance	RM PROG 06	n/a	75,000	75,000	75,000	78,800	78,800	78,800	78,800	82,500	82,500	82,500	787,700
Backyard Flooding Prevention Program	RM PROG 07	n/a	20,000	20,000	20,000	21,000	21,000	21,000	21,000	22,000	22,000	22,000	210,000
Lift Station Maintenance	RM PROG 08	n/a	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	750,000
Overhead Sewer Grant Program	RM PROG 09	n/a	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
Sewer Maintenance and Improvements	RM PROG 10	n/a	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
Sanitary Sewer Lining Program	RM PROG 11	n/a	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	750,000
Catch Basin Cleaning Program	RM PROG 12	n/a	75,000	75,000	75,000	78,750	78,750	78,750	78,750	82,500	82,500	82,500	787,500
Sewer Stub Lining Program	RM PROG 13	n/a	50,000	50,000	50,000	52,500	52,500	52,500	52,500	55,000	55,000	55,000	525,000
Large Sewer Flushing Program	RM PROG 14	n/a	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	750,000
Clear Water Disconnect Grant Program	RM PROG 29	n/a	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	750,000
Pump Station - Component Replacement	RM PROG 30	n/a	107,100	116,300	60,000								283,400
Backyard Sewer Lining Program	RM PROG 31	n/a	100,000	100,000									200,000
Sanitary Sewer Upgrade - Prairie (LaLonde - Grace)	SA 12 01	n/a		37,400	256,900								294,300
Finley Road Sewer Lining	SA 15 01	n/a		467,000									467,000
Route 53 Stormwater Pump Station	SS 12 01	n/a	270,100	2,024,400	3,316,500								5,611,000
Lift Station, Rebuild - Fairview	SS 12 02	n/a	160,400	1,410,100									1,570,500
Terrace View Pond - Maintenance &	SS 12 03 2	n/a	10,000	10,000	15,000	5,000	7,500						47,500

Category	#	Priority	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Total
Monitoring													
International Village Sewer Lining	SS 13 02	n/a			416,000								416,000
Vista Pond Expansion - West	SS 14 01	n/a	500,000										500,000
N. Broadway Interim Pump Station & Force Main	SS 15 01	n/a		186,400	1,903,350								2,089,750
Galz Pond Outfall	SS 16 01	n/a			292,500	2,521,000							2,813,500
Route 53 Underground Improvements	WA 11 01	n/a			2,223,500								2,223,500

Sidewalk Improvements

Tip Hazard Replacement Program	RM PR0G 15	n/a	85,000	85,000	85,000	89,250	89,250	89,250	89,250	93,500	93,500	93,500	892,500
Deteriorated Sidewalk Program	RM PR0G 16	n/a	20,000	20,000	20,000	21,000	21,000	21,000	21,000	22,000	22,000	22,000	210,000
Sidewalk Improvements Total			105,000	105,000	105,000	110,250	110,250	110,250	110,250	115,500	115,500	115,500	1,102,500

Street Construction and Maintenance

Surface Treatment	RM PR0G 18	n/a	70,000	70,000	78,400	71,700	70,000	70,000	78,500	70,900	77,100	73,500	730,100
Parkway Restoration	RM PR0G 19	n/a	140,000	140,000	140,000	140,000	140,000	140,000	140,000	140,000	140,000	140,000	1,400,000
General Concrete Street Rehabilitation Program	RM PR0G 20	n/a	820,000	820,000	820,000	861,000	861,000	861,000	861,000	902,000	902,000	902,000	8,610,000
Concrete Utility Patching	RM PR0G 21	n/a	100,000	100,000	100,000	105,000	105,000	105,000	105,000	110,000	110,000	110,000	1,050,000
Asphalt Utility Patching	RM PR0G 22	n/a	125,000	125,000	125,000	131,250	131,250	131,250	131,250	137,500	137,500	137,500	1,312,500
General Local Street Resurfacing Plan	RM PR0G 23	n/a	539,500	1,007,200	680,800	567,400	567,400	567,400	567,400	584,300	584,300	584,300	6,250,000
Local Street Resurfacing Plan with Village Crews	RM PR0G 24	n/a	327,000	327,000	327,000	343,900	343,900	343,900	343,900	354,200	354,200	354,200	3,419,200
Curb Replacement Program	RM PR0G 25	n/a	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
Full-Depth Asphalt Patching Program	RM PR0G 26	n/a	495,300	463,600	436,000	458,500	458,500	458,500	458,500	472,200	472,200	472,200	4,645,500
Crack Sealing	RM PR0G 33	n/a	146,000	142,800	144,500	140,700	146,500	141,500	143,900	141,900	140,000	140,000	1,427,800
Pavement Marking Replacement Program	RM PR0G 34	n/a	50,000	20,000	25,300	21,400	24,900	26,900	21,500	25,200	27,500	21,700	264,400
Madison Street (Grace St to Westmore-Meyers Rd)	ST 13 01	n/a	350,000										350,000
Route 53 (St. Charles to North Avenue)	ST 13 02	n/a		363,000									363,000
Lombard Meadows 1: Chase Lane & Court	ST 13 03	n/a	1,958,900										1,958,900
Circle Avenue	ST 14 02	n/a	136,100	1,559,100									1,695,200
Lombard Meadows 2: Lodge Lane & Liac Way	ST 14 03	n/a	240,500	2,865,200									3,105,700
Grace Street (St. Charles Road to North Avenue)	ST 15 02	n/a		75,400	62,800	1,400,400							1,538,600

Category	#	Priority	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Total
Lombard Meadows 3: Magnolia Circle	ST 15 03	na		140,000	1,666,900								1,806,900
Melody Lane Phase 1	ST 15 04	na		310,200	3,130,200								3,440,400
Route 53 (Roosevelt to St. Charles)	ST 16 01	na			100,000								100,000
Melody Lane Phase 2	ST 16 02	na			382,800	3,863,200							4,246,000
Lombard Meadows 4: Hawthorne Cir & Cherry Lane	ST 16 03	na			264,200	3,146,800							3,411,000
Lombard Meadows 5: Lombard Circle	ST 17 01	na				207,300	2,396,900						2,604,200
Lilac Gardens Phase 1	ST 19 01	na							161,400	2,241,200			2,402,600
SA220 15th Street (Main Street to Highland Avenue)	ST 19 02	na						129,600	1,505,800				1,635,400
Lilac Gardens Phase 2	ST 20 01	na							267,800	2,824,200			3,092,000
SA221 (Charles Lane, Hickory, Vance & Willow St)	ST 20 02	na							546,900	4,733,100			5,330,000
Lilac Gardens Phase 3	ST 21 01	na							253,800	2,560,600			2,814,400
Street Construction and Maintenance Total			5,548,300	8,578,500	8,533,900	11,832,350	8,931,050	7,479,850	7,462,650	10,849,300	5,555,400	2,985,400	77,756,700

Traffic Signal and Street Light Improv														
Street Light Pole Replacement	RM PRG 27	na	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
Traffic Signal & Intersection (Madison & Route 53)	ST 13 04	na	311,600	3,760,100										4,071,700
Railroad Crossing at Elizabeth Street	ST 13 05	na	111,500	455,000										566,500
Traffic Signal Pole Replacement	ST 14 01	na	100,000											100,000
Traffic Signal & Intersection (22nd & Fairfield)	ST 18 01	na				53,600	531,100							584,700
Traffic Signal and Street Light Improvements Total			573,100	4,265,100	50,000	50,000	103,600	581,100	50,000	50,000	50,000	50,000	50,000	5,822,900

Unassigned														
Traffic Analyzer Replacement System	ST 14 04	na	30,000											30,000
Unassigned Total			30,000											30,000

Water System Improvements														
Watermain Maintenance & Improvement	RM PRG 32	na	150,000	157,500	157,500	157,500	157,500	165,000	165,000	165,000	165,000	165,000	165,000	1,605,000
Water Meter Replacement	WA 11 02	na		2,500,000	2,500,000									5,000,000
Roosevelt Road Watermain Replacement Phase I	WA 12 01	na	2,355,000											2,355,000

Category	#	Priority	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Total
Roosevelt Road Watermain Replacement Phase II	WA 12 01 1	na		3,052,500									3,052,500
Civic Center Reservoir Facility - Generator	WA 13 02	na	450,000										450,000
Handing Road - Watermain	WA 14 01	na		77,500	572,500								650,000
SCADA System Software & Computer Replacement	WA 16 01	na			75,000								75,000
Transmission Main (Civic Center to South Booster)	WA 16 02	na			242,900	1,760,600							2,003,500
Well Pump Insurance (Wells 7, 8, 10 & 11)	na	na										750,000	750,000

Water System Improvements Total

GRAND TOTAL

2,955,000	5,787,500	3,547,900	2,246,600	3,472,300	165,000	665,000	165,000	165,000	915,000	20,084,300
13,156,900	25,038,300	19,791,350	20,150,500	15,592,400	9,480,400	9,451,300	12,376,000	7,098,200	5,295,500	137,430,850

Village of Lombard

Stormwater Project Overview

Public Works Committee

July 9, 2013

Terrace View Pond

Construction of a pump station to lower the normal water level by one foot and construction of a storm water relief sewer from Crystal Ave to the pond.

Estimate of Cost: \$1,372,946

Status of Project: Under Construction. Funding: Water/Sewer Cap Reserve

Permit Process or Review Steps: DuPage County



Drainage Area

Terrace View Pond Wetland Maintenance & Monitoring

As part of the DuPage County permit, the Village must inspect and document the establishment of the wetland plantings along the shoreline of the pond for up to 5 years.

Estimate of Cost: \$10,000 per year for 5 years

Status of Project: Under Construction. Funding: Water/sewer Cap Reserve

Permit Process or Review Steps: DuPage County



Rt53 Stormwater Pump Station

The Village will abandon the existing Rt 53 Stormwater pump station and construct a new pump station upstream to ensure proper operation of the station. The new station will increase the capacity to pump stormwater and alleviate flooding upstream.

Estimate of Cost: Design: \$387,317; Construction: \$5,611,000

Status of Project: In design. Construction to start in FY2014. Funding: Water/Sewer Cap Reserve

Permit Process or Review Steps: DuPage County (impact on East Branch)

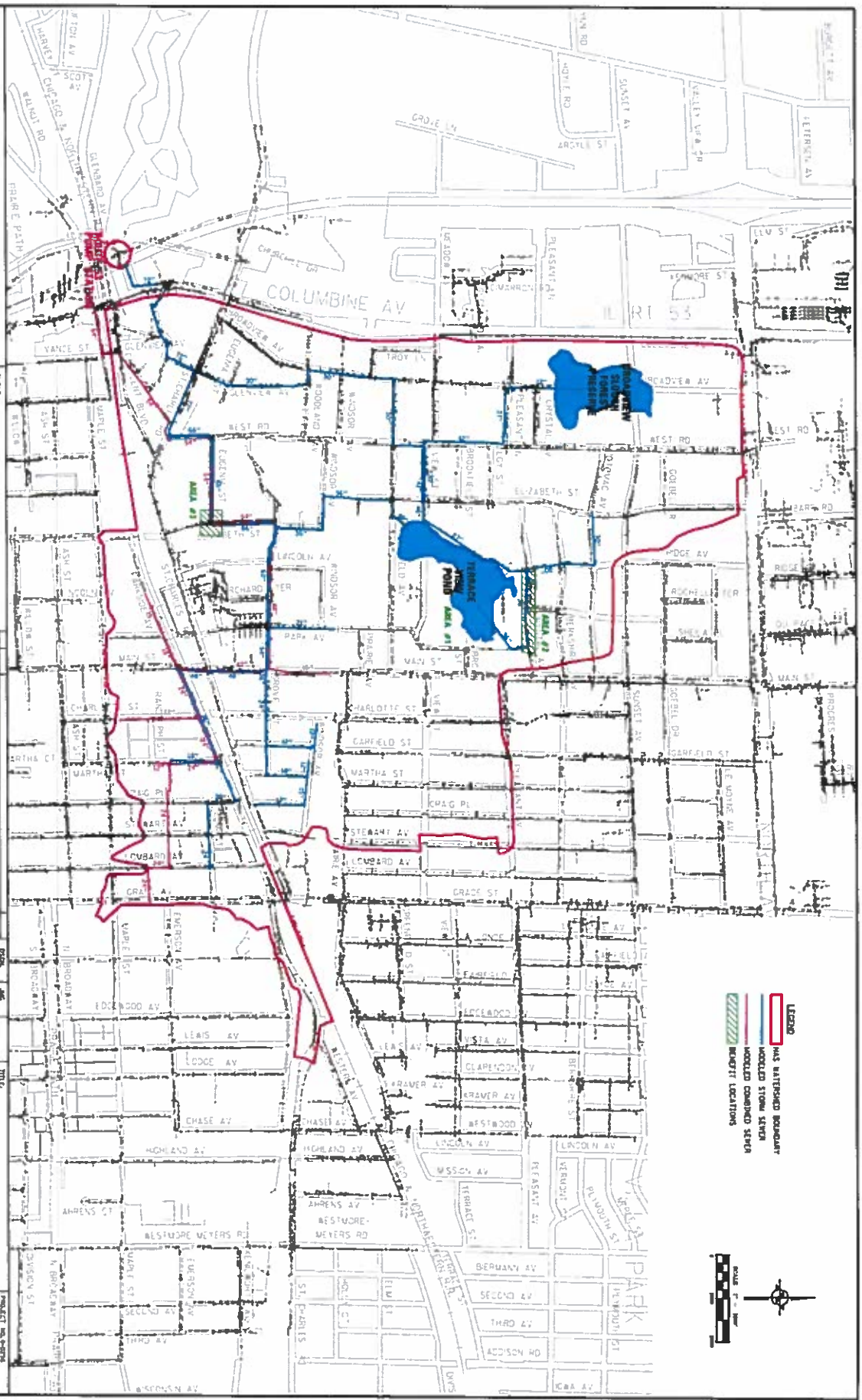
CHRISTOPHER B. BURKE ENGINEERING LTD.
 5915 West Higgins Road, Suite 600
 Roseville, IL 60018
 (630) 271-0500

VILLAGE OF LOMBARD

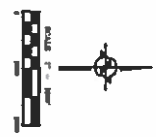
DATE:	NOV 15 2011
SCALE:	AS SHOWN
PROJECT:	EXISTING STORM SEWER SYSTEM AND BENEFIT LOCATIONS

EXISTING STORM SEWER SYSTEM AND BENEFIT LOCATIONS

EXHIBIT 1



- LEGEND**
- VILLAGE BOUNDARY
 - EXISTING STORM SEWER
 - BENEFIT LOCATIONS



Fairview Lift Station Rebuild

Replacement of the existing Fairview Lift Station.

Estimate of Cost: Design: \$160,400; Construction: \$1,410,100

**Status of Project: Design FY2014, Construction FY2015. Funding:
Water/Sewer Cap Reserve**

Permit Process or Review Steps: IEPA



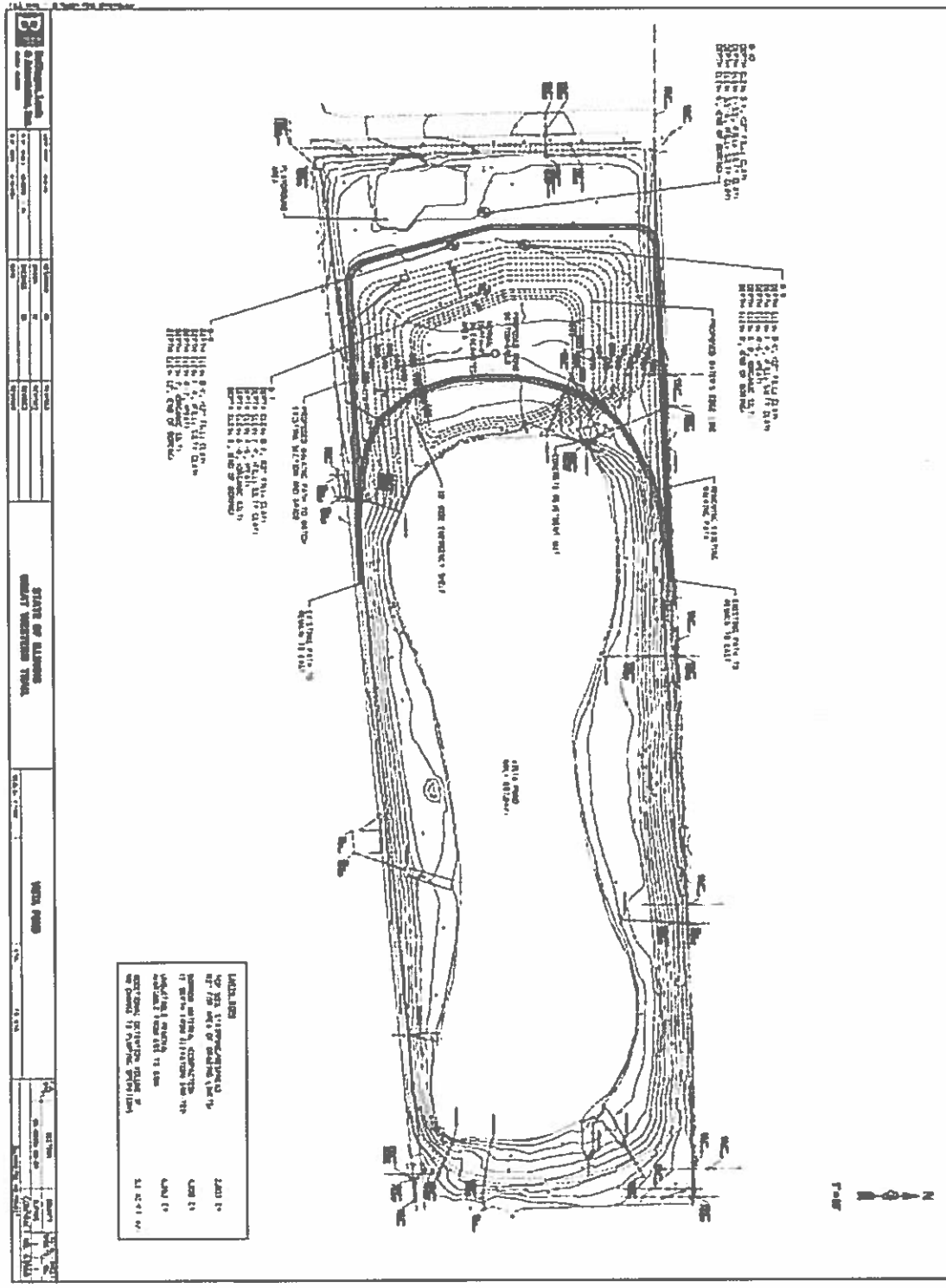
Vista Pond West Expansion

Expansion to the west of the existing Vista Pond. This adds 7.2 acre-feet of flood storage to lower local flood stages and relieve downstream flow into the combined sewer system.

Estimate of Cost: Construction: \$500,000

Status of Project: Proposed Project. Funding: Water/Sewer Cap Reserve

Permit Process or Review Steps: DuPage County



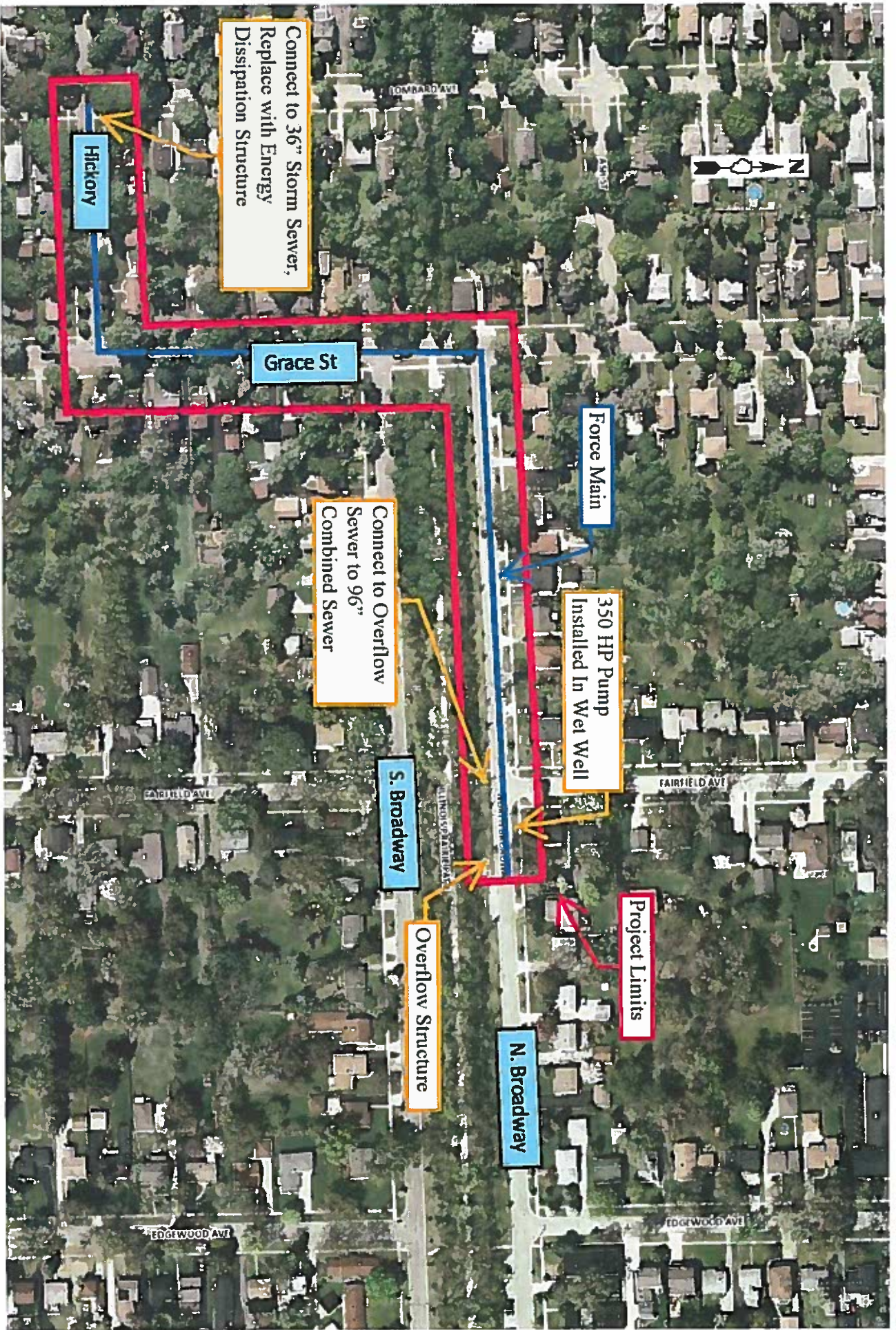
North Broadway Interim Pump Station & Force Main

Interim pump station improvements to
accommodate the Gatz Pond outfall.

Estimate of Cost: Design: \$186,400 Construction: \$1,903,350

Status of Project: Design FY2015 Construction FY2016. Funding: Water/Sewer
Cap Reserve

Permit Process or Review Steps: IEPA



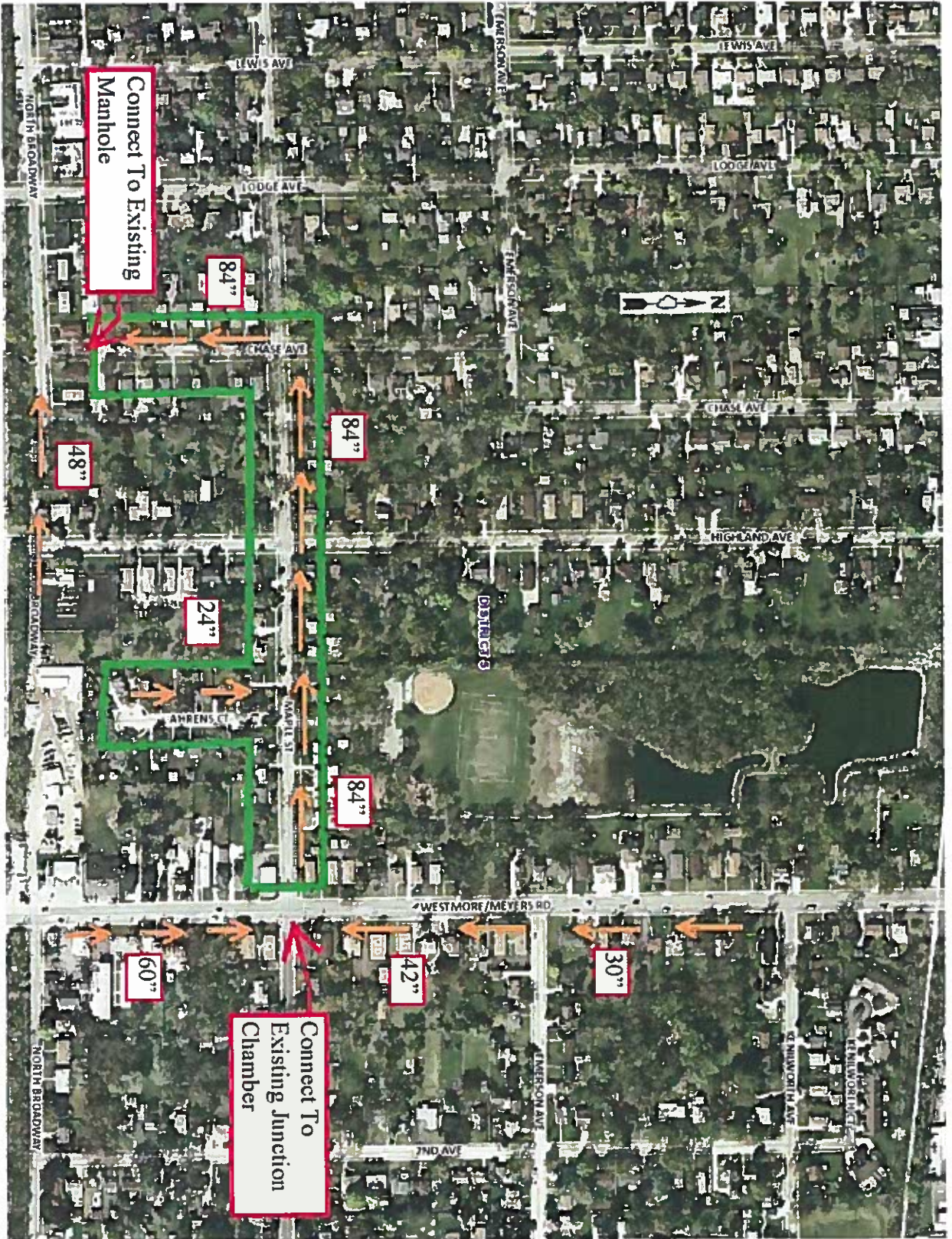
Gatz Pond Outfall

Initial separation of the Gatz Pond outfall from the combined sewer system in Maple Street.

Estimate of Cost: Design: \$292,500 Construction: \$2,521,000

Status of Project: Design: FY2016 Construction FY2017. Funding: Water/Sewer Cap Reserve

Permit Process or Review Steps: Project follows North Broadway Interim Pump Station & Force Main.



Hammerschmidt Pond/Park Renovations

Site modifications at Hammerschmidt School to improve drainage on the school site and increase the storage capacity of the pond.

Estimate of Cost:

Status of Project: Funding to be determined

Permit Process or Review Steps: Project involves School District, Park District and Village