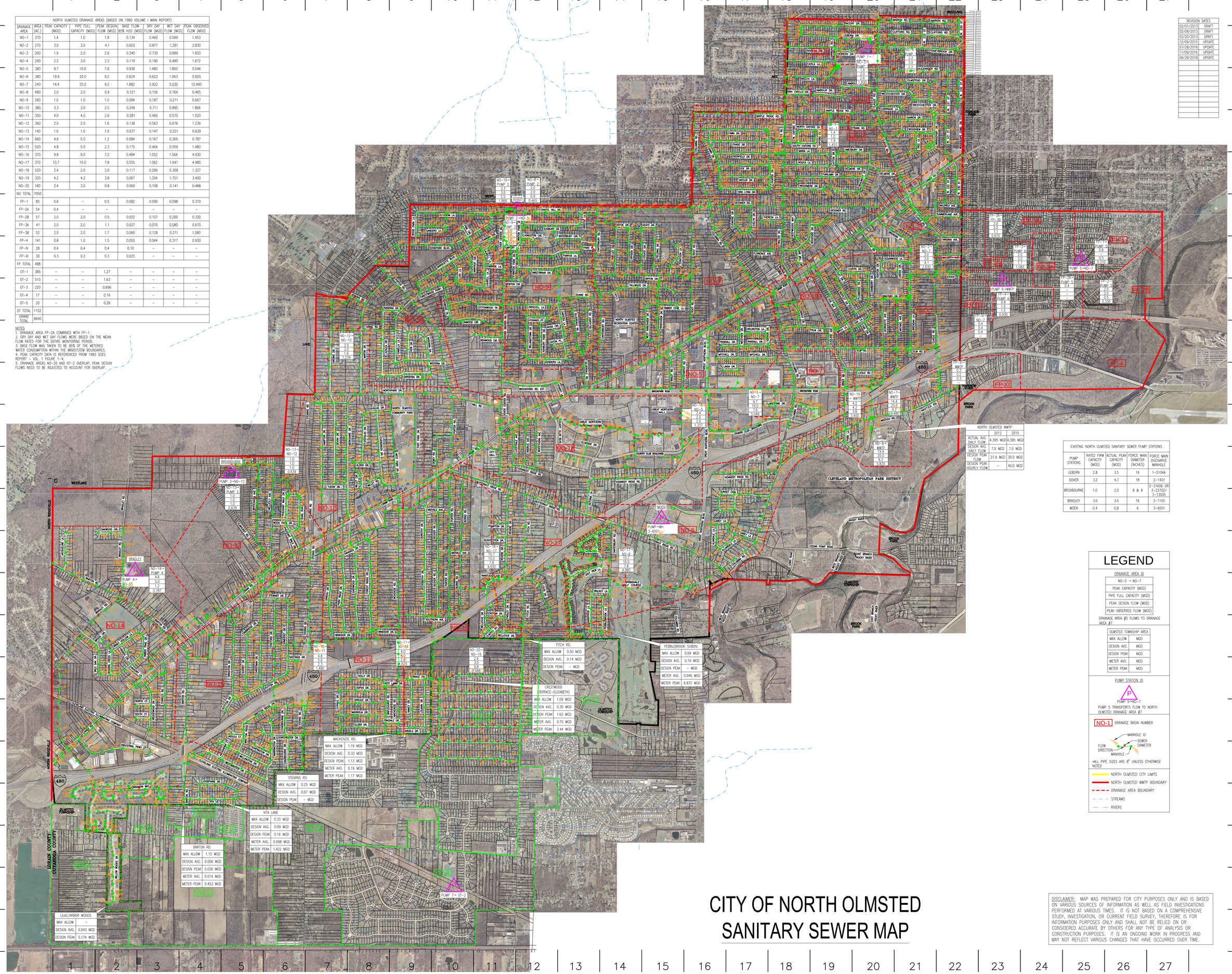
NORTH OLMSTED DRAINAGE AREAS (BASED ON 1980 VOLUME I MAIN REPORT)								
DRAINAGE AREA	AREA (AC.)	PEAK CAPACITY (MGD)	PIPE FULL CAPACITY (MGD)	PEAK DESIGN FLOW (MGD)	BASE FLOW (85% H2O (MGD)	DRY DAY FLOW (MGD)	WET DAY FLOW (MGD)	PEAK OBSERVED FLOW (MGD)
NO-1	370	1.4	1.0	1.9	0.134	0.460	0.569	1.453
NO-2	270	3.0	3.0	4.1	0.603	0.877	1.281	2.830
NO-3	200	1.9	2.0	2.6	0.345	0.730	0.899	1.830
NO-4	290	2.2	3.0	2.2	0.119	0.190	0.490	1.672
NO-5	380	9.7	10.0	7.6	0.938	1.480	1.850	5.046
NO-6	380	19.9	20.0	9.2	0.624	0.623	1.063	5.820
NO-7	240	14.4	25.0	9.2	1.882	2.922	5.030	12.490
NO-8	490	2.0	2.0	0.9	0.121	0.156	0.164	0.465
NO-9	260	1.0	1.0	1.0	0.084	0.187	0.211	0.667
NO-10	380	3.3	3.0	2.5	0.249	0.711	0.895	1.866
NO-11	350	4.0	4.0	2.6	0.281	0.460	0.570	1.520
NO-12	360	2.0	2.0	1.6	0.138	0.563	0.676	1.239
NO-13	140	1.0	1.0	1.0	0.037	0.147	0.221	0.639
NO-14	660	4.6	5.0	1.2	0.084	0.167	0.365	0.787
NO-15	520	4.8	5.0	2.3	0.175	0.464	0.559	1.480
NO-16	370	9.8	9.0	7.2	0.484	1.052	1.564	4.930
NO-17	370	10.7	10.0	7.8	0.555	1.062	1.641	4.980
NO-18	520	2.4	2.0	2.0	0.117	0.284	0.309	1.337
NO-19	320	4.2	4.2	3.8	0.067	1.334	1.751	3.400
NO-20	180	2.4	3.0	0.8	0.060	0.108	0.141	0.488
NO TOTAL	7050							
FP-1	85	0.6	–	0.5	0.082	0.090	0.098	0.310
FP-2A	54	0.4	–	–	–	–	–	–
FP-2B	57	2.0	2.0	0.5	0.022	0.107	0.200	0.330
FP-3A	41	2.0	2.0	1.1	0.027	0.070	0.080	0.670
FP-3B	52	2.0	2.0	1.7	0.060	0.128	0.211	1.080
FP-4	141	0.8	1.0	1.5	0.055	0.044	0.317	0.930
FP-IV	28	0.4	0.4	0.4	0.10	–	–	–
FP-XI	30	0.3	0.2	0.3	0.025	–	–	–
FP TOTAL	488							
OT-1	385	–	–	1.27	–	–	–	–
OT-2	510	–	–	1.63	–	–	–	–
OT-3	220	–	–	0.696	–	–	–	–
OT-4	17	–	–	0.16	–	–	–	–
OT-5	20	–	–	0.26	–	–	–	–
OT TOTAL	1152							
GRAND TOTAL	8690							

NOTES:
1. DRAINAGE AREA FP-2A COMBINED WITH FP-1.
2. DRY DAY AND WET DAY FLOWS WERE BASED ON THE MEAN FLOW RATES FOR THE ENTIRE MONITORING PERIOD.
3. BASE FLOW WAS TAKEN TO BE 85% OF THE METERED WATER CONSUMPTION WITHIN THE MINISYSTEM BOUNDARIES.
4. PEAK CAPACITY DATA IS REFERENCED FROM 1983 SSES REPORT – VOL. 1 FIGURE 1-4.
5. DRAINAGE AREAS NO-20 AND OT-2 OVERLAP. PEAK DESIGN FLOWS NEED TO BE ADJUSTED TO ACCOUNT FOR OVERLAP.

REVISION DATES	
02/01/2013	DRAFT
02/08/2013	DRAFT
02/20/2013	DRAFT
12/09/2015	UPDATE
07/28/2016	UPDATE
11/09/2016	UPDATE
06/29/2018	UPDATE



NORTH OLMSTED WWTP	2012	2015
ACTUAL AVG. DAILY FLOW	4.395 MGD	4.395 MGD
DESIGN AVG. DAILY FLOW	7.0 MGD	7.0 MGD
DESIGN PEAK FLOW	21.6 MGD	30.0 MGD
DESIGN PEAK HOURLY FLOW	–	40.0 MGD

EXISTING NORTH OLMSTED SANITARY SEWER PUMP STATIONS				
PUMP STATIONS	RATED FIRM CAPACITY (MGD)	ACTUAL PEAK CAPACITY (MGD)	FORCE MAIN DIAMETER (INCHES)	FORCE MAIN DISCHARGE MANHOLE
LEBERN	2.8	3.5	16	1–5104A
DOVER	3.2	4.7	18	2–1401
BROXBOURNE	1.0	2.0	8 & 8	2–31606 OR 3–22702/ 3–13505
BRADLEY	3.0	3.5	16	3–1105
MOEN	0.4	0.8	6	3–6501

LEGEND

DRAINAGE AREA ID

NO-5 → NO-7
PEAK CAPACITY (MGD)
PIPE FULL CAPACITY (MGD)
PEAK DESIGN FLOW (MGD)
PEAK OBSERVED FLOW (MGD)

DRAINAGE AREA #5 FLOWS TO DRAINAGE AREA #7.

OLMSTED TOWNSHIP AREA	
MAX ALLOW	MGD
DESIGN AVG.	MGD
DESIGN PEAK	MGD
METER AVG.	MGD
METER PEAK	MGD

PUMP STATION ID

P

PUMP 5–NO–7

PUMP 5 TRANSPORTS FLOW TO NORTH OLMSTED DRAINAGE AREA #7.

NO-1 DRAINAGE BASIN NUMBER

MANHOLE ID
SEWER DIAMETER
FLOW DIRECTION
MANHOLE

*ALL PIPE SIZES ARE 8" UNLESS OTHERWISE NOTED

NORTH OLMSTED CITY LIMITS
NORTH OLMSTED WWTP BOUNDARY
DRAINAGE AREA BOUNDARY
STREAMS
RIVERS

CITY OF NORTH OLMSTED SANITARY SEWER MAP

DISCLAIMER: MAP WAS PREPARED FOR CITY PURPOSES ONLY AND IS BASED ON VARIOUS SOURCES OF INFORMATION AS WELL AS FIELD INVESTIGATIONS PERFORMED AT VARIOUS TIMES. IT IS NOT BASED ON A COMPREHENSIVE STUDY, INVESTIGATION, OR CURRENT FIELD SURVEY, THEREFORE IS FOR INFORMATION PURPOSES ONLY AND SHALL NOT BE RELIED ON OR CONSIDERED ACCURATE BY OTHERS FOR ANY TYPE OF ANALYSIS OR CONSTRUCTION PURPOSES. IT IS AN ONGOING WORK IN PROGRESS AND MAY NOT REFLECT VARIOUS CHANGES THAT HAVE OCCURRED OVER TIME.