

PROGRESS REPORT

DUE: January 31 and July 31 of each year until termination of Consent Decree

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RECIPIENTS:

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STATE OF OHIO

Ohio Environmental Protection Agency

Division of Surface Water

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Doc Type: Consent Decree
Doc Subtype: Permit
Program: NPDES
County: Columbus
Secondary ID: 2PF00000

Paragraph 33 of the Lima Consent Decree "CD") states that, on January 31 and July 31 after the Effective Date and continuing on January 31 and July 31 of each year until termination of the CD, Lima shall submit to USEPA and Ohio EPA a progress report regarding the implementation of the requirements of this Decree in the previous calendar half year ("Progress Report").

The Lima Consent Decree (CD) became effective on January 13, 2015 such that this report will commence reporting as of that date. The lettered paragraphs below parallel the format of paragraph 33 of the CD. Initiatives that were underway on the effective date of the CD are reported under Section b of this report.

- a. A statement setting forth the deadlines and other terms that Lima is or was required to meet by this Consent Decree since the date of the last Progress Report, whether and to what extent Lima has met these requirements, and the reasons for any noncompliance:

Lima Progress Report:

- (1) July 1, 2018 --- Lima was required to submit a WWTP Flow Maximization Plan. Lima submitted the plan on June 28, 2018.

- b. A general description of the projects and activities conducted during the reporting period to comply with the requirements of this Decree, and a projection of work to be performed pursuant to this Consent Decree during the next reporting period. Notification to USEPA and Ohio EPA of any anticipated delay shall not, by itself, excuse the delay:

Lima Progress Report: Lima currently has the following contracts underway:

1. **Lima Wastewater Treatment Headworks Project** – Commenced construction on July 1, 2015. Building and tank construction is complete. Activities planned over the next six months include a continuation of the seeding of the nitrification tower and performance testing of the tower for TSS and BOD removal.
2. **CMOM Plan** – Lima submitted a plan revision to USEPA on 7/31/18 that included changes requested by Mr. Todd Brown in an email dated 3/20/18.
3. **Asset Management** – Contract documents were signed and a Notice-to-Proceed for the Phase 1 High Street/Jameson Avenue Sewer Rehabilitation Project was issued on 7/17/18. Commencement of field activities occurred on 9/18/18. Progress to date has included dye-water testing of laterals and installation of the first manhole.

Progress over the next six months is expected to include the following:

- Complete installation of a 10-inch PVC sanitary sewer and manholes on High Street between N. Rosedale and N. Jameson.
 - Begin HDPE lining of the 78-inch and 54-inch segmented block sewers.
4. **Supplemental Environmental Project (SEP)** --- Project is complete. Maintenance of the project area will continue with the possibility of a spring burning.
5. **Simmon's Field CSO EQ Basin** -- Progress to date includes the following:
- Excavation of soil and rock to the base elevation of the tank.
 - Completion of the diversion structure and partial completion of the 96-inch diversion pipe.
 - Partial completion of the pump station wet well.
 - Completion of bridge over the Ottawa River for future force main.
 - Completion of rock anchor installation.
 - Partially completion of base slab.
 - Initial framing of wall structure.

Progress over the next 6 months is expected to include the following:

- Completion of base slab.
- Continued construction of walls and interior support structures.
- Continued construction of pump station wet well.
- Continued construction of 96-inch diversion pipe.
- See attached Gantt chart for more detailed activities.

- c. A summary of all material problems or potential problems encountered during the reporting period, and the actions taken to rectify the problems:

Lima Progress Report:

1. Lima's WWTP none

- d. A summary of all material contacts with USEPA and Ohio EPA during the reporting period, including but not limited to the date deliverables under this Decree were sent to USEPA and Ohio EPA:

Lima Progress Report:

1. July 31, 2018 --- Lima submitted to USEPA and OEPA a revised CMOM Plan and CSOOP that included changes requested in a letter from USEPA on 3/20/18.
2. September 21, 2018 --- Lima submitted to OEPA a CSO Public Notification Plan.

3. October 5, 2018 --- Lima submitted a SSO 5-day Follow-up Report to OEPA concerning the failure of a check valve at the Mumaugh Road Lift Station that occurred on 10/4/18.
4. October 11, 2018 --- Lima submitted a revised CSO Public Notification Plan that addressed changes requested by OEPA in a comment letter dated 9/27/18.
5. October 19, 2018 --- Lima received a letter of approval from OEPA for the CSO Notification Plan

e. A statement of any exceedances of NPDES permit limitations:

Lima Progress Report:

1. July 7, 2018 --- Lima recorded "AD" values for overflow volume at Stations 002 and 003. The sensors were in the process of being replaced and reprogrammed. That work has been completed.
2. August 23, 2018 --- Lima submitted a response letter to OEPA in reference to an exceedance of mercury and ammonia at Station 604, as identified on the Preliminary Compliance Report dated 8/21/18.

f. A summary of all CSO Discharges, SSOs, Bypasses, and other unpermitted discharges occurring within the reporting period including the actual or estimated frequency, duration and volume of each CSO Discharge, SSO, Bypass, and other unpermitted discharge:

Lima Progress Report:

1. Water-in-Basement (WIB) Events --- Lima recorded one WIB occurrence during the reporting period. This event occurred when debris collected in a manhole invert, causing flow to back up into a basement. The City continues to work with homeowners that experience chronic flooding on a case -by-case basis through a WIB Program that raises the lateral to a higher elevation and separates the storm water from the sanitary. Lima completed 3 WIB projects in this reporting period, bringing the total number of home projects completed to 144 since program inception.
2. SSO & CSO Monthly Reporting -- See attached Overflow Totals Report. These numbers are reported monthly to OEPA as part of the monthly Discharge Monitoring Report.

g. A section containing a report on Lima's CMOM Program, as required by Paragraph 19.

CMOM PROGRAM REPORT
Paragraph 19

Summarize the activities performed during the previous six month period to implement the approved CMOM Program including, but not limited to:

a. Describe Sewer System Cleaning, including:

- (1) Provide the total unique miles of sewer cleaned and percentage of system cleaned (with repeat cleaning of the same sewer segment not counted toward the total mileage)

Lima Progress Report:

From 7/1/18 to 12/31/18

56,500 linear feet = 10.7 miles (11% of SSS)

- (2) List hotspot locations and the frequency that those sewer segments were cleaned:

Lima Progress Report:

Lima's "High Maintenance List" (i.e., hot spots) of sanitary sewers was completed on October 12, 2018 (WO#58619). This list includes 39,022 feet (7.39 miles - 7.4% of SSS) of sewers that are susceptible to higher levels of grease and debris buildup. These sewers are cleaned twice per year or more if warranted.

b. Describe and Quantify the total mileage of internal sewer inspections, such as by CCTV:

Lima Progress Report:

July 1, 2018 – Dec 31, 2018

46,063 linear feet of CCTV Inspection = 8.72 miles (9% of SSS)

221 Manholes Inspected

c. Describe the rehabilitation and replacement work within the Sewer System started and completed or identified for future scheduling:

Lima Progress Report:

1. Rehabilitated 4 manholes (Mr. Manhole, repair casting, etc.)
2. Installed 1 new manhole.
3. Repaired 8 sections of sanitary sewer mainline.

- d. Describe operational changes or improvements implemented as part of the approved CMOM:

Lima Progress Report: None noted.

- e. Identify any cross-connections detected or eliminated and dye testing or clear water source elimination measures implemented:

Lima Progress Report: None

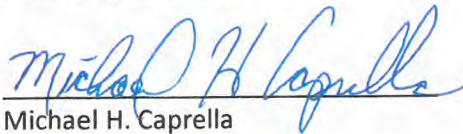
- f. Identify the cause and corrective maintenance response taken to any SSOs that occurred:

Lima Progress Report:

In cases that involve structural failure of sewer system components or mechanical/electrical failure of equipment, a 24-hour emergency response crew is dispatched to address the situation. Lima had 1 SSO in the reporting period that required a 5-Day Follow-up Report to OEPA. A detailed description of the cause and corrective action taken for that SSO can be found in the report.

In rain events where the sewer system is stressed beyond capacity, city personnel manage the pump stations and WWTP via SCADA to maintain maximum treatment capability.

I certify under penalty of law that the information contained in or accompanying this (submission/document) is true, accurate and complete. As to (the/those) identified portion(s) of this (submission/document) for which I cannot personally verify (its/their) truth and accuracy, I certify as the official having supervisory responsibility for the person (s) who, acting under my direct instructions, made the verification, that this is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.



Michael H. Caprella
Director of Utilities
City of Lima, Ohio

cc: David J. Berger, Lima City Mayor
Fred P. Andes, Barnes & Thornburg LLP
Stephen P. Samuels, Frost Brown Todd LLC
File

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consent decree progress report 2018 (2).docx

SSO & CSO Overflow Totals					
July 1 -- December 31, 2018					
Annual Report #	EPA ID #	Location of Overflow		SSO	CSO
301	2PE00000048	MH#19 on Lost Creek Golf Course	Plugged		
302	2PE00000047	MH#14 on Lost Creek Golf Course	SSO	8	
007	2PE00000007	S. Central Ave. & Ottawa River	CSO		9
008	2PE00000008	Timberlake Sewer & Ottawa River	CSO		3
009	2PE00000009	Oxford Ave. & Collett Street	CSO		2
037	2PE00000037	North Shore Dr. & Cole St.	CSO		2
036	2PE00000036	Charles St. & State St. (Plugged w/ concrete)	CSO		0
035	2PE00000035	Lakewood Ave & Charles St.	CSO		3
034	2PE00000034	Judkins Ave at Kunneke Ave	CSO		2
033	2PE00000033	Nixon Ave. at Kunneke Ave.	CSO		3
038	2PE00000038	West & O'Conner Ave	CSO		0
303	2PE00000029	Glenwood Ave. between Lakewood and Wales Ave.	SSO	4	
304	2PE00000028	S. Pears Ave. at Kunneke Ave.	SSO	0	
305	2PE00000027	Lakewood Ave. & Maplewood Drive	SSO	2	
306	2PE00000026	S. Pears Ave. between Wendell Ave & Lakewood Ave.	SSO	1	
307	*****	418 South Pears (MH 0-10)	SSO	0	
308	2PE00000025	S. Pears Ave. between Lowell Ave. & Wendell Ave.	SSO	7	
309	2PE00000023	S. Pears Ave. between W. Spring & W. Elm St	SSO	2	
310	2PE00000024	Between W. Spring & W. Elm, East of Primrose Pl	SSO	6	
311	*****	1861 Wendell	SSO	1	
312	2PE00000030	Wales Ave. at Primrose Place	SSO		
313	2PE00000031	S. Cable Rd. at Lakewood Ave.	SSO	17	
314	2PE00000032	S. Cable Rd. at Wendell Ave.	SSO	2	
315	2PE00000052	2600 Koop Road Lift Station	SSO		
316	2PE00000022	Dale Dr. & Idlewild Dr.	SSO	3	
317	2PE00000020	Dale Dr. between W. Wayne & Oakland Pkwy	SSO	8	
318	2PE00000021	Dale Dr. & West Wayne St.	SSO	3	
319	2PE00000018	University Ave. & Dale Dr.	SSO	4	
320	*****	Columbia @ Allentown, MH #92	SSO	12	
321	2PE00000051	1379 N. Cable Road Lift Station (Check Valve)	SSO	0	
322	2PE00000050	1700 Allentown Road Lift Station (Check Valve)	SSO	0	
323	*****	Rosedale @ Ellison Ave.	SSO	3	
324	*****	Woodlawn @ Ellison Ave.	SSO	2	
325	2PE00000017	Woodlawn Ave. & Feeman Ave.	SSO	3	
014	2PE00000014	Metcalf St. & Tremont Ave.	CSO		4
016	2PE00000016	Metcalf St. & Ashton Ave.	CSO		1
015	2PE00000015	Metcalf St. & Runyan Ave.	CSO		2
012	2PE00000012	McDonel St. & O'Connor Ave.	CSO		1
011	2PE00000011	Burch Ave. & O'Connor Ave.	CSO		0
013	2PE00000013	Metcalf St. & O'Connor Ave.	CSO		0
326	2PE00000010	Northwold St. & O'Connor Ave.	SSO	0	
327	2PE00000049	1330 Melrose Ave.	SSO	0	
328	*****	1327 Northwold	SSO		
329	2PE00000042	Metcalf St. & Lane Ave.	SSO	0	
330	2PE00000044	Metcalf St. & Ford Ave.	SSO	3	
331	*****	Burch & Ford	SSO	0	
332	2PE00000046	2032 Burch Ave.	SSO	0	
333	2PE00000045	Burch Ave. & Lewis Ave.	SSO	0	
334	2PE00000043	Metcalf St. & Lewis Blvd.	SSO	1	
335	2PE00000041	Celia Place & Northern Ave.	SSO	1	
336	2PE00000039	Karen St. & Lewis Blvd. (N)	SSO	13	
337	2PE00000038	Karen St. & Lane Ave	SSO	8	
338	2PE00000056	West St. Lift Station	SSO	0	
Overflow Totals =				114	32
Report Updated on 1-15-19				SSO	CSO
Total # of Reports....23					

[illegible]

[illegible]

Activity ID	Activity Description	Orig Dur	Rem Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	2018	2019	2020
1860	CLOSURE TRAINING WALLS	5	5	28APR20	04MAY20	12MAY20	18MAY20	10			
1860	CLOSURE FLUSHING WALLS	3	3	28APR20	30APR20	14MAY20	18MAY20	12			
1860	CLOSURE TRENCH DRAIN CONCRETE FILL	1	1	28APR20	29APR20	18MAY20	18MAY20	14			
1660	CLOSURE TOP SLABS	15	15	19MAY20	08JUN20	19MAY20	08JUN20	0			
1940	CAULK CLOSURE BASE SLABS	5	5	26MAY20	01JUN20	09JUN20	15JUN20	10			
1670	LEAK TEST	15	15	16JUN20	06JUL20	16JUN20	06JUL20	0			
1700	DAMP-PROOFING	10	10	07JUL20	20JUL20	07JUL20	20JUL20	0			
1860	CAULK CLOSURE TOP SLABS	5	5	07JUL20	13JUL20	16JUL20	22JUL20	7			
1770	PVC FLUSHING PIPING IN BASIN	2	2	07JUL20	08JUL20	02OCT20	06OCT20	63			
1690	CDP BACKFILL	7	7	14JUL20	22JUL20	14JUL20	22JUL20	0			
1760	SET PRECAST STRUCTURES ON TOP SLAB	2	2	14JUL20	15JUL20	21JUL20	22JUL20	5			
1710	EARTHEN BACKFILL	40	40	23JUL20	16SEP20	23JUL20	16SEP20	0			
1690	CSO BASIN ELECTRICAL	5	5	15SEP20	21SEP20	29SEP20	05OCT20	10			
1740	AIR INTAKE HVAC	3	3	17SEP20	21SEP20	01OCT20	06OCT20	10			
1750	FLUSHING GATE HYDRAULIC PIPING	6	6	25SEP20	02OCT20	28SEP20	05OCT20	1			
PUMP STATION & ELECTRICAL BLDG											
1430	MUDMAT	2	0	18OCT18A	22OCT18A	18OCT18A	22OCT18A				
1870	ROCK ANCHORS	4	0	30OCT18A	30OCT18A	30OCT18A	12NOV18A	57			
1880	BASE SLAB @ 790.30	5	0	15NOV18A	30NOV18A	15NOV18A	30NOV18A				
1890	WALLS TO 809.90	10	0	10DEC18A	20DEC18A	10DEC18A	20DEC18A				
1820	WALLS TO 831	10	1	08JAN19A	31JAN19	09JAN19A	10FEB20	267			
1900	BAFFLE WALL	5	5	24JAN19	03FEB20	07FEB20	07FEB20	267			
1910	NORTH WALL FILL TO 790.3	5	5	24JAN19	03FEB20	03FEB20	07FEB20	267			
1830	NORTH WALL FILL TO 831	5	5	01FEB19	07FEB19	11FEB20	17FEB20	267			
1850	60" DIP	1	1	01FEB19	02MAR20	02MAR20	02MAR20	281			
1940	LOWER WETWELL CONCRETE FILLS	10	10	08FEB19	21FEB19	18FEB20	02MAR20	267			
1960	LEAK TEST WETWELL	20	20	01APR19	26APR19	03MAR20	30MAR20	241			
2370	DAMP-PROOF WETWELL TO 831	5	5	29APR19	03MAY19	03MAY20	06APR20	241			
1970	CDP BACKFILL TO 825 AND 60" DIP INVERT	3	3	06MAY19	08MAY19	07APR20	09APR20	241			
1890	VALVE VAULT FOOTERS	3	3	22JAN20	24JAN20	15APR20	14APR20	57			
1890	VALVE VAULT FOUNDATION WALLS	4	4	27JAN20	30JAN20	15APR20	20APR20	57			
2040	BACKFILL FOUNDATION WALLS	2	2	31JAN20	03FEB20	21APR20	22APR20	57			
2070	ELEC BLDG PADS	3	3	31JAN20	10FEB20	01JUN20	03JUN20	86			
2010	SLAB AT 831	5	5	04FEB20	10FEB20	23APR20	29APR20	57			
2080	ELEC BLDG COLUMNS	10	10	05FEB20	18FEB20	04JUN20	17JUN20	86			
2120	ELEC ROUGH-IN SLAB 831	2	2	06FEB20	07FEB20	28APR20	29APR20	58			
2020	VALVE VAULT PIPING	5	5	11FEB20	30APR20	06MAY20	06MAY20	57			
2030	WALLS ABOVE 831	10	10	18FEB20	02MAR20	07MAY20	20MAY20	57			
2060	WETWELL SS PIPING	10	10	03MAR20	16MAR20	21MAY20	03JUN20	57			
2300	DAMP-PROOFING ABOVE 831	5	5	10MAR20	16MAR20	11JUN20	17JUN20	67			
2050	TOP SLAB ON WETWELL & VALVE VAULT	10	10	17MAR20	30MAR20	04JUN20	17JUN20	57			
2130	ELEC ROUGH IN TOP SLAB AT WETWELL/VALVE VAULT	2	2	26MAR20	27MAR20	16JUN20	17JUN20	58			
2090	BACKFILL TO 842	8	8	31MAR20	09APR20	18JUN20	29JUN20	57			
2330	CONNECT 42" FM TO VALVE VAULT	1	1	03APR20	03APR20	29JUN20	29JUN20	61			
2100	GRADE BEAMS AND SUMP	7	7	10APR20	20APR20	30JUN20	08JUL20	57			
2260	DAMP-PROOF GRADE BEAMS	1	1	28APR20	28APR20	16JUL20	16JUL20	57			
2150	BACKFILL TO 845	3	3	29APR20	01MAY20	17JUL20	21JUL20	57			
2110	ELEC BLDG SLAB ON GRADE	5	5	04MAY20	08MAY20	22JUL20	28JUL20	57			
2140	ELEC ROUGH IN - ELEC BLDG SLAB ON GRADE	2	2	06MAY20	09MAY20	27JUL20	28JUL20	58			
2160	CMU	10	10	11MAY20	22MAY20	29JUL20	11AUG20	57			
2230	SET ELECTRICAL GEAR	1	1	25MAY20	25MAY20	12AUG20	12AUG20	57			
2240	SET FLUSHING GATE CONTROL PANEL	1	1	25MAY20	25MAY20	12AUG20	12AUG20	57			
2250	SET PLC PANEL	1	1	25MAY20	25MAY20	12AUG20	12AUG20	57			

Start Date

30APR19

Finish Date

24JAN19

Run Date

14JAN19 14:10

Early Bar

Progress Bar

Critical Activity

Activity ID	Activity Description	Orig Dur	Rem Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	2018	2019	2020
2170	PRECAST PLANK	2	2	26MAY20	27MAY20	13AUG20	14AUG20	57			✓ PRECAST PLANK
2180	CMU PARAPETS	3	3	28MAY20	01JUN20	17AUG20	19AUG20	57			✓ CMU PARAPETS
2270	CAVITY WALL DAMPROOFING	2	2	02JUN20	03JUN20	20AUG20	21AUG20	57			✓ CAVITY WALL DAMPROOFING
2200	2" TOPPING ON PRECAST PLANK	2	2	02JUN20	03JUN20	31AUG20	01SEP20	64			✓ 2" TOPPING ON PRECAST PLANK
2190	SPLIT FACE CMU VENEER	7	7	04JUN20	12JUN20	24AUG20	01SEP20	57			✓ SPLIT FACE CMU VENEER
2210	ROOFING	5	5	15JUN20	19JUN20	02SEP20	08SEP20	57			✓ ROOFING
2220	PAINTING	10	10	22JUN20	03JUL20	18SEP20	01OCT20	64			✓ PAINTING
2340	HVAC	10	10	22JUN20	03JUL20	18SEP20	01OCT20	64			✓ HVAC
2350	ELECTRICAL	30	30	22JUN20	31JUL20	18SEP20	29OCT20	64			✓ ELECTRICAL
2290	DOORS & HARDWARE	2	2	22JUN20	23JUN20	24SEP20	25SEP20	68			✓ DOORS & HARDWARE
2310	CAULKING	3	3	22JUN20	24JUN20	25SEP20	28SEP20	69			✓ CAULKING
2320	DOOR STOOPS	3	3	22JUN20	24JUN20	29SEP20	01OCT20	71			✓ DOOR STOOPS
2360	METALS	3	3	24JUN20	26JUN20	28SEP20	30SEP20	68			✓ METALS
3170	WATER REPELLANT	2	2	25JUN20	26JUN20	30SEP20	01OCT20	69			✓ WATER REPELLANT
2280	DIVISION 10	1	1	29JUN20	29JUN20	01OCT20	01OCT20	68			✓ DIVISION 10
3180	LOWER PUMPS	2	2	06JUL20	07JUL20	02OCT20	05OCT20	64			✓ LOWER PUMPS
DIVERSION STRUCTURE											
1190	OPEN CUT EXCAVATION TO 8'0"	5	0	07AUG18A	13AUG18A	07AUG18A	13AUG18A		✓ OPEN CUT EXCAVATION TO 8'0"		
1210	DEWATERING	5	0	14AUG18A	24SEP18A	14AUG18A	24SEP18A		✓ DEWATERING		
1200	EXCAVATION FOR 96" AND DS	10	0	29AUG18A	11SEP18A	29AUG18A	11SEP18A		✓ EXCAVATION FOR 96" AND DS		
1280	BYPASS PUMPING	71	0	29AUG18A	30NOV18A	29AUG18A	30NOV18A		✓ BYPASS PUMPING		
2000	REMOVE 108" SEWER	2	0	29AUG18A	30AUG18A	29AUG18A	30AUG18A		✓ REMOVE 108" SEWER		
2380	BASE SLAB AT 815	5	0	20SEP18A	26SEP18A	20SEP18A	26SEP18A		✓ BASE SLAB AT 815		
2400	WALLS	10	0	27SEP18A	27SEP18A	27SEP18A	12OCT18A		✓ WALLS		
2410	STUB WALL TO 824	5	0	15OCT18A	19OCT18A	15OCT18A	19OCT18A		✓ STUB WALL TO 824		
2430	BEAM 2-81	5	0	18OCT18A	24OCT18A	18OCT18A	24OCT18A		✓ BEAM 2-81		
2390	LAY 96" SEWER STARTING AT DIVERSION STRUCTURE	10	2	25OCT18A	25JAN19	25OCT18A	24APR19	63	✓ LAY 96" SEWER STARTING AT DIVERSION STRUCTURE		
2420	FILL CONCRETE	2	0	25OCT18A	25OCT18A	25OCT18A	25OCT18A		✓ FILL CONCRETE		
2460	SLIDE GATE	1	0	25OCT18A	25OCT18A	25OCT18A	25OCT18A		✓ SLIDE GATE		
2450	METAL PLATFORM FRAMING	3	0	09NOV18A	14NOV18A	09NOV18A	14NOV18A		✓ METAL PLATFORM FRAMING		
2440	BAR SCREEN	1	0	14NOV18A	15NOV18A	14NOV18A	15NOV18A		✓ BAR SCREEN		
2470	TOP SLAB	5	0	15NOV18A	23NOV18A	15NOV18A	23NOV18A		✓ TOP SLAB		
2480	MOUNT SLIDE GATE FLOORSTAND	1	0	03DEC18A	03DEC18A	03DEC18A	03DEC18A		✓ MOUNT SLIDE GATE FLOORSTAND		
2540	ELECTRICAL	5	0	03DEC18A	07DEC18A	03DEC18A	07DEC18A		✓ ELECTRICAL		
2570	LEAK TEST	10	0	03DEC18A	14DEC18A	03DEC18A	14DEC18A		✓ LEAK TEST		
3190	INITIATE FLOW THRU STRUCTURE	1	0	03DEC18A	03DEC18A	03DEC18A	03DEC18A		✓ INITIATE FLOW THRU STRUCTURE		
2490	MISC. METALS	2	0	17DEC18A	19DEC18A	17DEC18A	19DEC18A		✓ MISC. METALS		
2510	DAMP-PROOFING	3	0	17DEC18A	17DEC18A	17DEC18A	17DEC18A		✓ DAMP-PROOFING		
2530	BACKFILL	10	0	18DEC18A	20DEC18A	18DEC18A	20DEC18A		✓ BACKFILL		
2550	SMALL PIPING	2	0	11JAN19A	11JAN19A	11JAN19A	11JAN19A		✓ SMALL PIPING		
2560	INTERIOR COATING ON UNDERSIDE OF TOP SLAB	2	2	24JAN19	25JAN19	25APR19	26APR19	65	✓ INTERIOR COATING ON UNDERSIDE OF TOP SLAB		
2500	FRP GRATING	2	2	28JAN19	29JAN19	25APR19	26APR19	63	✓ FRP GRATING		
COLLETT UNDERGROUND GATE STRUCTURE											
2940	SLIDE GATE STEMS	2	2	08JUL19*	09JUL19	08FEB19	11FEB19	-106	✓ SLIDE GATE STEMS		
1320	CONCRETE PADS	4	4	08JUL19*	11JUL19	11FEB19	14FEB19	-106	✓ CONCRETE PADS		
2920	PVC CARRIER PIPES	3	3	10JUL19	12JUL19	12FEB19	14FEB19	-106	✓ PVC CARRIER PIPES		
2910	REXA ACTUATORS	5	5	15JUL19	19JUL19	15FEB19	21FEB19	-106	✓ REXA ACTUATORS		
2970	ELECTRICAL	10	10	15JUL19	26JUL19	15FEB19	28FEB19	-106	✓ ELECTRICAL		
2930	HVAC	5	5	22JUL19	26JUL19	22FEB19	28FEB19	-106	✓ HVAC		
2950	START-UP	3	3	29JUL19	31JUL19	01MAR19	05MAR19	-106	✓ START-UP		
2960	LANDSCAPE REPAIR	3	3	01AUG19*	05AUG19	26APR19	30APR19*	-49	✓ LANDSCAPE REPAIR		
2990	SLIDE GATE STEMS	3	3	01AUG19	05AUG19	06MAR19	08MAR19	-106	✓ SLIDE GATE STEMS		

Start Date 30APR18
 Finish Date 30APR21
 Orig Date 24JUN19
 Rem Date 14JAN19 14:10

Early Bar
 Progress Bar
 Critical Activity

LCSS

PETERSON CONSTRUCTION COMPANY

LIMA CSO

Classic Schedule Layout

Sheet 4 of 5

Date

Revision

Checked

Approved

[illegible]

Start Date	Finish Date	Task Name
30APR18	30APR21	Early Bar
30APR21	24JUN19	Progress Bar
24JUN19	14AUG19 14:10	Critical Activity

LCSB

PETERSON CONSTRUCTION COMPANY

LIMA CSO

Classic Schedule Layout

Sheet 5 of 5

Date _____

Revisions

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Approved