From:	Mittag, Mark
To:	McIlheran, Adam S - DNR
Cc:	Gross, Stu; Rich Klein (Richard.Klein@stantec.com); Talarczyk, Dan
Subject:	RE: [EXT] Western Milwaukee PH2B monitoring well management
Date:	Thursday, October 12, 2023 9:57:46 AM

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Hi Adam: Thanks for attending yesterday and drawing attention to some of the near-term and long-term well issues. I've copied Dan Talarczyk/MMSD Construction Manager and the Stantec team on the responses below. Thanks – Mark

---

From: McIlheran, Adam S - DNR <Adam.McIlheran@wisconsin.gov>
Sent: Thursday, October 12, 2023 9:17 AM
To: Mittag, Mark <MMittag@mmsd.com>
Cc: Gross, Stu <stu.gross@stantec.com>
Subject: [EXT] Western Milwaukee PH2B monitoring well management

Mark,

Thank you for inviting me to the PH2B meeting yesterday, it was good to get an idea of the overall plan and schedule of the project. I had a couple items I wanted to confirm with you since it has been a while since the remedial plan was approved and now we are closer to field work it appears.

- As I recall the RAP called for all the monitoring wells of the sites north of the river (Ashland Chemical , Fmr Badger Alloy, Fmr City Warehouse & Eco-Tech) to be found and abandoned according to NR 141 code prior to any work being done which would destroy or lose the wells in the construction process. This is especially important for the deep bedrock wells so they don't act as a contaminant conduit. It also should be clear that if any wells aren't found at this time but during construction, that they be properly abandoned when found and their location recorded so there are no wells unaccounted for after remediation. It would likely be best to submit the abandonment forms and a list of wells abandoned once that task is complete prior to the large soil movements onsite. Code states forms should be submitted within 60 days of the work being completed. Since this overall project will take years I didn't want that to be forgotten.

A: Yes, well abandonment is required by the contractor. I will emphasize this with the MMSD Construction Manager as an early project item, if not the first project item to minimize potential damage during clearing and grubbing. It is the contractor's responsibility to complete the well abandonment to WDNR standards and required documentation. The Stantec team can be a resource to the MMSD Construction Manager to support WDNR environmental requirements when needed.

- My understanding from the meeting was that the soil movement/grading/capping will be

completed in about two years (Milestone 1?). Is this a correct estimate and the new monitoring well network would be installed closely after that? I wasn't quit sure since they also said 7 years for the project.

A: During the construction 2 year timeframe (Milestone 1), besides the construction documentation for contaminated soil, Stantec will also develop a scope of work for follow up next steps such as that there will need to be a new groundwater well monitoring plan. I envision that MMSD will develop a plan for groundwater wells to discuss with WDNR after construction completion (after year 2/Milestone 1). The additional 5.5 years of the "construction" contract is for vegetation establishment and initial maintenance. I anticipate the well installation will be done under a separate construction contract during the vegetation maintenance period (exact timing TBD).

- If you could send me an copy of the meeting agenda for future reference I would appreciate it.

A: MMSD's construction manager plans and leads these construction phase meetings. I agree it would be helpful to send out an agenda ahead of time. I will pass along this feedback.

Thanks,

Adam

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Adam McIlheran
Hydrogeologist – Remediation & Redevelopment Program
Wisconsin Department of Natural Resources
Southeast Region, Milwaukee Service Center
1027 West St. Paul Avenue
Milwaukee, WI 53233
Phone: (414) 207-2179
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dnr.wi.gov

Lesko, Robin A - DNR

From: McIlheran, Adam S - DNR
Sent: Wednesday, October 18, 2023 1:43 PM
To: Lesko, Robin A - DNR
Subject: FW: W20028C01 Western Milwaukee Phase 2B Levee and Floodwall Pre-construction Meeting Materials
Attachments: Initial Schedule Phase 2B Levee CPM.pdf; W20028C01 Pre-Con Meeting Agenda.docx; 20231012 _BRRTS_Tracking_form.pdf

Rob,

Please attach the below email and attachments to the AC 43 of 10/12/23 for the sites listed in the copy of the 20231012 tracking form that is attached.

Thanks,

Adam

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Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Adam McIlheran
Phone: (414) 207-2179
Adam.McIlheran@wisconsin.gov

From: Talarczyk, Dan <dtalarczyk@mmsd.com>
Sent: Wednesday, October 18, 2023 11:23 AM
To: Brulla, Eli <EBrulla@mmsd.com>; Weiss, Allyson <AWeiss@mmsd.com>; Mittag, Mark <MMittag@mmsd.com>; SWMBE <SWMBE@mmsd.com>; Wright, Jennifer <JWright@mmsd.com>; Reimer, Philip <PReimer@mmsd.com>; Klein, Richard <Richard.Klein@stantec.com>; ConfRoom - OJ Noer B (seats 20) <ConfRoomOJNoerB@mmsd.com>; ConfRoom - OJ Noer A (seats 22) <ConfRoomOJNoerA@mmsd.com>; Olson, Dylan <DOlson@mmsd.com>; Hase, Michelle M - DNR <Michelle.Hase@wisconsin.gov>; Soderling, Michelle R - DNR <michelle.soderling@wisconsin.gov>; McIlheran, Adam S - DNR <Adam.McIlheran@wisconsin.gov>; daniel.sabatka@cpkcr.com; andy.inserra@cpkcr.com; brian.osborne@cpkcr.com; kyle.spree@cpkcr.com; greda.lynn@cpkcr.com; Gross, Stu <stu.gross@stantec.com>; 'Sieracki, Matt' <Matt.Sieracki@stantec.com>; bob.welsch@stantec.com; yong.wu@stantec.com; richard.mcdaniel@stantec.com; dlocher@mcts.org; Neidhardt, Millie <ENeidhardt@mmsd.com>; Williams, Robert <RWilliams@mmsd.com>; Schmitt, Kathryn <KSchmitt@mmsd.com>; Santiago, Ricardo <RSantiago@mmsd.com>; 'Pietryga, Joshua <joshua.pietryga@veolia.com> (joshua.pietryga@veolia.com)' <joshua.pietryga@veolia.com>; Seleen, Robert <rselee@milwaukee.gov>; 'Sprangers, Kurt' <kspran@milwaukee.gov>; Thur, Timothy <tthur@milwaukee.gov>; rbertr@milwauke.gov; krogne@milwaukee.gov; rmeyer@milwaukee.gov; brian.rothgery@milwaukee.gov; jiwen@milwaukee.gov; thomas.a.moore@milwaukee.gov; William Wehrley <wwehrley@wauwatosa.net>; Maggie Anderson <manderson@wauwatosa.net>; dsimpson@wauwatosa.net; Michael Marlin - Milwaukee County (Michael.Marlin@milwaukeecountywi.gov) <Michael.Marlin@milwaukeecountywi.gov>; pete.kowalski@we-energies.com; patrick.fritz@we-energies.com; Schecher, Steve T <Steve.Schecher@we-energies.com>; Justin Kolster (justin@superexcavators.com) <justin@superexcavators.com>; Adam Schultz <adam@superexcavators.com>; viktor.petrov@veolia.com; Choo Teoh <choo.teoh@veolia.com>; Armond Sensabaugh <ASensabaugh@mcts.org>; Austin Laska <ALaska@Lundaconstruction.com>; Tim Poehnelt <tpoehnelt@nugencompanies.com>; Steve Garlock <steveg@superexcavators.com>; Mark Schmitt <marks@superexcavators.com>; Daryl R. Matter <daryl@superexcavators.com>; Kozelek, Denis <dkozel@milwaukee.gov>; Ben Mehring <benm@starkcorp.us>; Tyler

Emerson <temerson@orinrt.com>; Daniel Kowalski <DKowalski@Lundaconstruction.com>; Luke Multhauf <luke@superexcavators.com>; Morgan, Kate <KMorgan@mmsd.com>; Adam Hall <Adam.Hall@mp-systemsinc.com>; Zack Bell <zack.bell@mp-systemsinc.com>
Subject: W20028C01 Western Milwaukee Phase 2B Levee and Floodwall Pre-construction Meeting Materials

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All,

Please find attached the agenda and preliminary schedule from last week's preconstruction meeting. Also, please refer to the following link for a recording of the meeting:

https://mmsd.files.com/f/919e71411c218713

Dan Talarczyk, PE, PLS, CFM, ENV SP

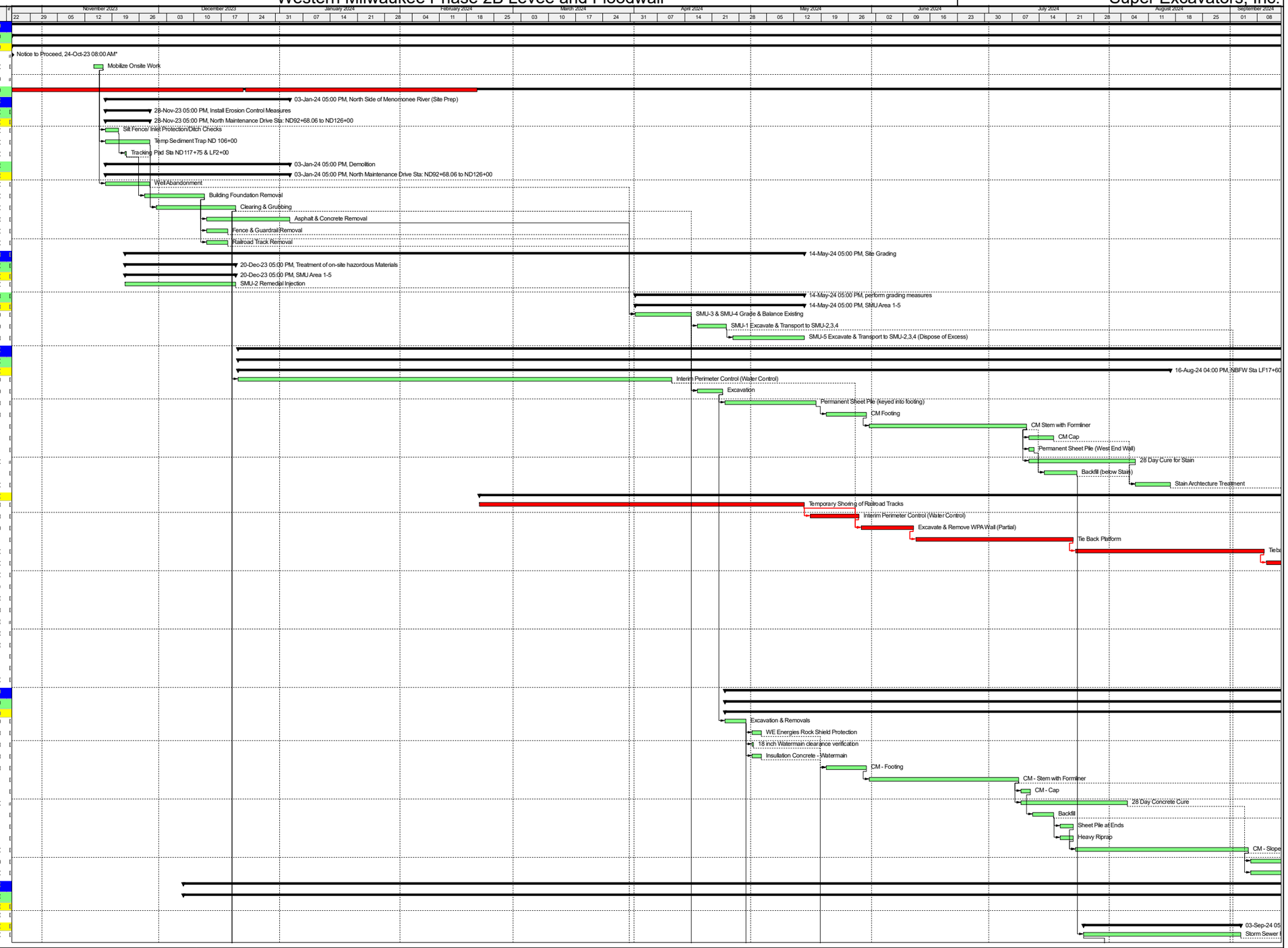
Senior Project Manager, Survey Services | MMSD

A: 260 W Seeboth Street | Milwaukee, WI 53204
P: 414.225.2104
M: 414.315.7959
E: dtalarczyk@mmsd.com

www.mmsd.com

MMSD Contract No. W20028C01 — Western Milwaukee Phase 2B Levee and Floodwall — Super Excavators, Inc.

Activity ID	Activity Name	Original Duration	Total Float	Start	Finish
Entire Project		305.00	0.00	02-Oct-23 0	16-Oct-25 08:00
Milestones		292.00	-0.13	24-Oct-23 0	16-Oct-25 08:00
Entire Project		292.00	-0.13	24-Oct-23 0	16-Oct-25 08:00
A1000	Notice to Proceed	0.00	-1.00	24-Oct-23 0	
A2040	Mobilize Onsite Work	2.00	18.00	14-Nov-23 0	16-Nov-23 05:0
A2050	Interim Completion, No Seed or Plantings	0.00	0.00		16-Oct-25 08:00
Submittals		305.00	0.00	02-Oct-23 0	15-Oct-25 05:00
North Side of Menomonee River (Site Prep)		18.00	86.88	17-Nov-23 0	03-Jan-24 05:0
Install Erosion Control Measures		5.00	24.88	17-Nov-23 0	28-Nov-23 05:0
North Maintenance Drive Sta: ND92+68.06 to ND126+00		5.00	24.88	17-Nov-23 0	28-Nov-23 05:0
A1010	Silt Fence/ Inlet Protection/Ditch Checks	2.00	26.88	17-Nov-23 0	20-Nov-23 05:0
A1900	Temp Sediment Trap ND 106+00	5.00	24.88	17-Nov-23 0	28-Nov-23 05:0
A1020	Tracking Pad Sta ND117+75 & LF2+00	1.00	26.88	22-Nov-23 0	22-Nov-23 05:0
Demolition		18.00	86.88	17-Nov-23 0	03-Jan-24 05:0
North Maintenance Drive Sta: ND92+68.06 to ND126+00		18.00	86.88	17-Nov-23 0	03-Jan-24 05:0
A1060	Well Abandonment	5.00	99.88	17-Nov-23 0	28-Nov-23 05:0
A1050	Building Foundation Removal	10.00	134.88	27-Nov-23 0	12-Dec-23 05:0
A1030	Clearing & Grubbing	12.00	73.88	30-Nov-23 0	20-Dec-23 05:0
A1910	Asphalt & Concrete Removal	7.00	134.88	13-Dec-23 0	03-Jan-24 05:0
A1040	Fence & Guardrail Removal	3.00	138.88	13-Dec-23 0	18-Dec-23 05:0
A1930	Railroad Track Removal	3.00	138.88	13-Dec-23 0	18-Dec-23 05:0
Site Grading		40.00	237.00	22-Nov-23 0	14-May-24 05:0
Treatment of on-site hazordous Materials		15.00	87.88	22-Nov-23 0	20-Dec-23 05:0
SMU Area 1-5		15.00	87.88	22-Nov-23 0	20-Dec-23 05:0
A2070	SMU-2 Remedial Injection	15.00	87.88	22-Nov-23 0	20-Dec-23 05:0
perform grading measures		24.00	237.00	01-Apr-24 0	14-May-24 05:0
SMU Area 1-5		24.00	237.00	01-Apr-24 0	14-May-24 05:0
A2080	SMU-3 & SMU-4 Grade & Balance Existing	8.00	86.88	01-Apr-24 0	15-Apr-24 05:00
A2090	SMU-1 Excavate & Transport to SMU-2,3,4	6.00	221.00	17-Apr-24 0	24-Apr-24 05:00
A2100	SMU-5 Excavate & Transport to SMU-2,3,4 (Dispose	10.00	237.00	26-Apr-24 0	14-May-24 05:0
North Bank Floodwall (LF17+60 to LF29+14)		229.88	32.13	21-Dec-23 0	21-Aug-25 04:0
Install floodwall		229.88	32.13	21-Dec-23 0	21-Aug-25 04:0
NBFW Sta LF17+60 to LF20+88		78.88	162.00	21-Dec-23 0	16-Aug-24 04:0
A1890	Interim Perimeter Control (Water Control)	7.00	24.88	21-Dec-23 0	10-Apr-24 05:00
A1260	Excavation	5.00	191.88	17-Apr-24 0	23-Apr-24 05:00
A1270	Permanent Sheet Pile (keyed into footing)	13.00	199.88	24-Apr-24 0	17-May-24 05:0
A1280	CM Footing	8.00	199.88	20-May-24 0	30-May-24 05:0
A1290	CM Stem with Forminer	23.00	199.88	31-May-24 0	10-Jul-24 05:00
A1300	CM Cap	4.00	221.88	11-Jul-24 08	17-Jul-24 05:00
A1360	Permanent Sheet Pile (West End Wall)	2.00	199.88	11-Jul-24 08	12-Jul-24 05:00
A1940	28 Day Cure for Stain	28.00	386.00	11-Jul-24 08	07-Aug-24 04:0
A1310	Backfill (below Stain)	5.00	151.88	15-Jul-24 08	23-Jul-24 05:00
A1320	Stain Architecture Treatment	6.00	127.00	07-Aug-24 0	16-Aug-24 04:0
NBFW Sta LF20+88 to 29+14		228.88	32.13	21-Feb-24 0	21-Aug-25 04:0
A1330	Temporary Shoring of Railroad Tracks	46.00	-0.13	21-Feb-24 0	14-May-24 05:0
A3680	Interim Perimeter Control (Water Control)	7.00	-0.13	16-May-24 0	28-May-24 05:0
A1390	Excavate & Remove WPA Wall (Partial)	9.00	-0.13	29-May-24 0	11-Jun-24 05:00
A1340	Tie Back Platform	22.00	-0.13	12-Jun-24 0	22-Jul-24 05:00
A1350	Tiebacks	30.00	-0.13	23-Jul-24 08	09-Sep-24 05:0
A1410	Excavate & Remove WPA Wall (Remaining)	9.00	-0.13	10-Sep-24 0	25-Sep-24 05:0
A1370	Prepare & Grout Seal Rock Base	32.00	-0.13	27-Sep-24 0	25-Nov-24 05:0
A1380	Rock Anchors	9.00	22.88	27-Sep-24 0	11-Oct-24 05:00
A1420	CM Footing	23.00	-0.13	26-Nov-24 0	17-Jan-25 05:0
A1430	CM Stems with Forminer	69.00	-0.13	20-Jan-25 0	23-May-25 05:0
A3580	28 Day Cure for Stain	28.00	52.00	24-May-25 0	20-Jun-25 04:0
A1440	CM Cap	12.00	33.88	27-May-25 0	13-Jun-25 05:0
A1450	Backfill (Below Stain)	12.00	26.88	27-May-25 0	13-Jun-25 05:0
A1400	Remove Temp Shoring of Railroad Tracks	22.00	26.88	16-Jun-25 0	23-Jul-25 05:00
A3570	Stain Architecture Treatment	12.00	29.00	20-Jun-25 0	14-Jul-25 04:00
A3710	Remove Interim Perimeter Control (Water Control)	3.00	32.13	15-Aug-25 0	21-Aug-25 04:0
Hybrid Levee Floodwall		92.00	155.88	24-Apr-24 0	02-Oct-24 05:00
Install floodwall		92.00	155.88	24-Apr-24 0	02-Oct-24 05:00
Hybrid Levee Wall Sta 09+44 ot 11+55.46		92.00	155.88	24-Apr-24 0	02-Oct-24 05:00
A1510	Excavation & Removals	3.00	191.88	24-Apr-24 0	29-Apr-24 05:00
A1530	WE Energies Rock Shield Protection	3.00	198.88	01-May-24 0	03-May-24 05:0
A1540	18 inch Watermain clearance verification	1.00	200.88	01-May-24 0	01-May-24 05:0
A1550	Insullation Concrete - Watermain	3.00	198.88	01-May-24 0	03-May-24 05:0
A1460	CM - Footing	8.00	191.88	20-May-24 0	30-May-24 05:0
A1470	CM - Stem with Forminer	21.00	191.88	31-May-24 0	08-Jul-24 05:00
A1480	CM - Cap	3.00	191.88	09-Jul-24 08	11-Jul-24 05:00
A3660	28 Day Concrete Cure	28.00	409.00	09-Jul-24 08	05-Aug-24 04:0
A1560	Backfill	3.00	191.88	12-Jul-24 08	17-Jul-24 05:00
A1490	Sheet Pile at Ends	2.00	191.88	19-Jul-24 08	22-Jul-24 05:00
A3800	Heavy Riprap	2.00	143.88	19-Jul-24 08	22-Jul-24 05:00
A1500	CM - Slope Paving W/ Stamping	28.00	143.88	23-Jul-24 08	05-Sep-24 05:0
A3670	Stain WPA Wall	15.00	120.88	06-Sep-24 0	02-Oct-24 05:00
A3810	Concrete Pavement	6.00	143.88	06-Sep-24 0	16-Sep-24 05:0
Utilities North Side of Menomonee River		201.00	66.00	07-Dec-23 0	18-Jun-25 05:0
Install water main, storm sewers, sanitary, and communicati		201.00	66.00	07-Dec-23 0	18-Jun-25 05:0
Q-Line, Sta ND110+87.27 to ND117+60		15.00	42.88	27-May-25 0	18-Jun-25 05:0
A1070	Storm Sewer Q-Line	15.00	42.88	27-May-25 0	18-Jun-25 05:0
R-Line, Sta ND101+00 to ND110+55		25.00	151.88	25-Jul-24 08	03-Sep-24 05:0
A1080	Storm Sewer R-LIne	25.00	151.88	25-Jul-24 08	03-Sep-24 05:0

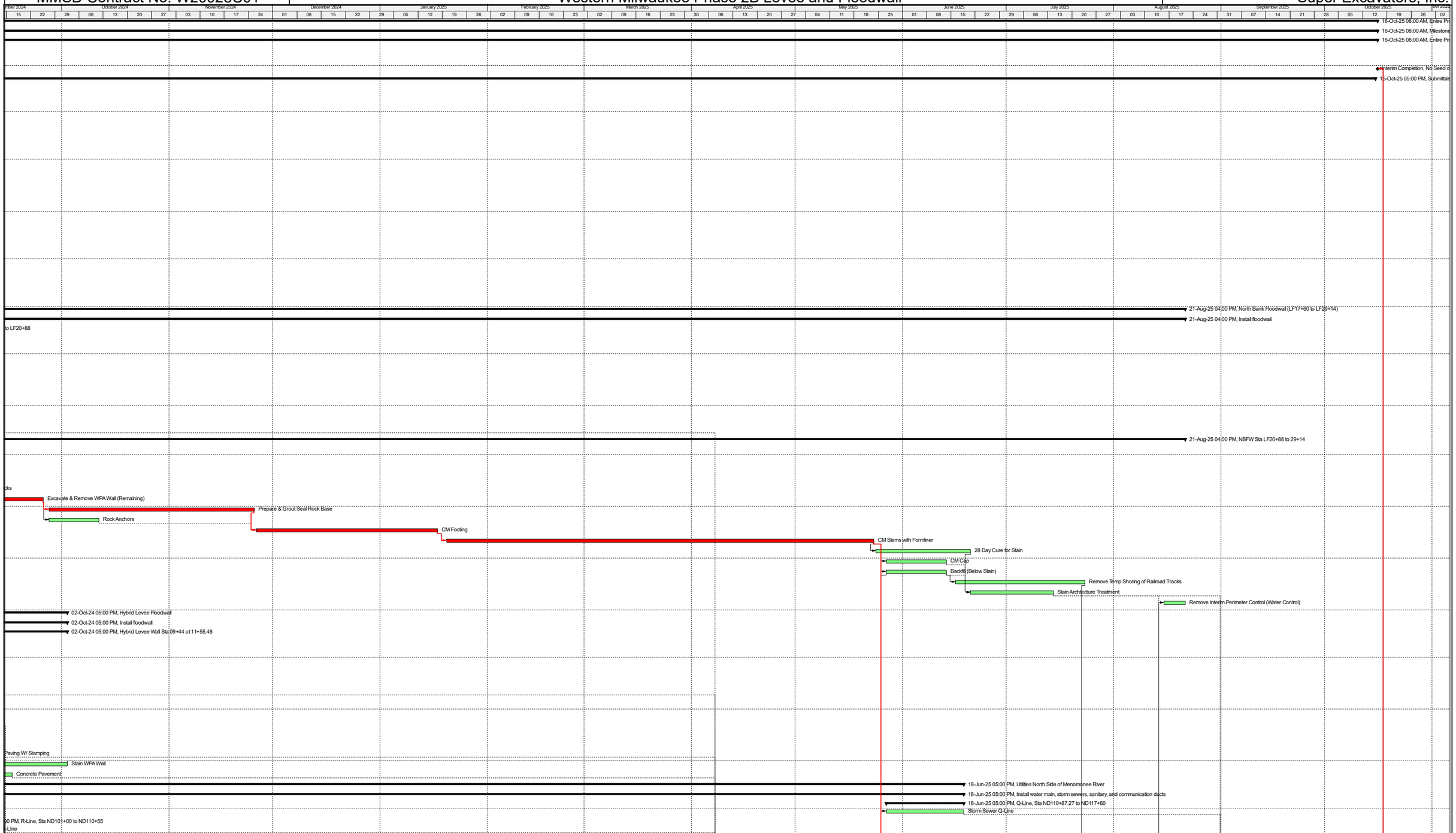


Remaining Level of Effort | Actual Work | Critical Remaining Work
Actual Level of Effort | Remaining Work | ◆ Milestone

CPM: Nugen Companies, LLC

TASK filter: All Activities
PM

10-Oct-2312:12



Remaining Level of Effort | Actual Work | Critical Remaining Work
Actual Level of Effort | Remaining Work | ◆ Milestone

TASK filter: All Activities
PM

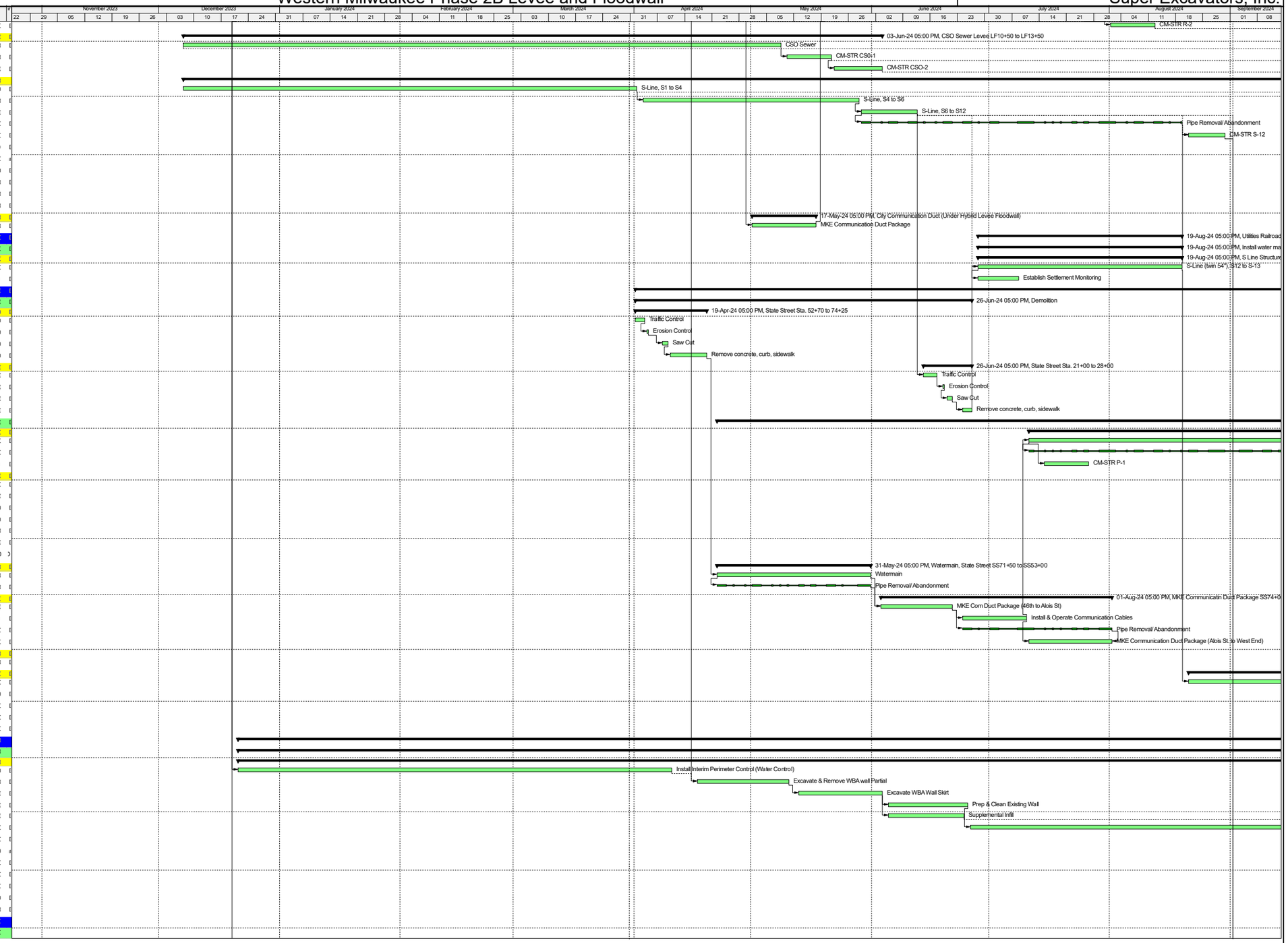
10-Oct-2312:12

MMSD Contract No. W20028C01

Western Milwaukee Phase 2B Levee and Floodwall

Super Excavators, Inc.

Activity ID	Activity Name	Original Duration	Total Float	Start	Finish
A1130	CM-STR R-2	7.00	164.88	01-Aug-24 0	12-Aug-24 05:0(
CSO Sewer Levee LF10+50 to LF13+50		44.00	204.88	07-Dec-23 0	03-Jun-24 05:0(
A1100	CSO Sewer	30.00	158.88	07-Dec-23 0	08-May-24 05:0(
A1140	CM-STR CS0-1	7.00	204.88	10-May-24 0	21-May-24 05:0(
A1150	CM-STR CSO-2	7.00	204.88	22-May-24 0	03-Jun-24 05:0(
S-Line, STR S-1 to Str 12		178.88	88.13	07-Dec-23 0	12-May-25 04:0(
A3120	S-Line, S1 to S4	10.00	37.88	07-Dec-23 0	01-Apr-24 05:00
A3110	S-Line, S4 to S6	30.00	37.88	03-Apr-24 0(	28-May-24 05:0(
A1090	S-Line, S6 to S12	10.00	37.88	29-May-24 0	12-Jun-24 05:0(
A2830	Pipe Removal/ Abandonment	48.00	148.00	29-May-24 0	19-Aug-24 05:0(
A1160	CM-STR S-12	8.00	148.00	21-Aug-24 0	30-Aug-24 05:0(
A1240	CM-STR S-1 & Architectural Surface Treatment	14.00	58.88	17-Sep-24 0	11-Oct-24 05:00
A3590	28 Day Concrete Cure STR S-1	28.00	319.00	12-Oct-24 0(	08-Nov-24 04:0(
A2150	42" High Handrail	3.00	145.00	14-Oct-24 0(	16-Oct-24 05:00
A3600	Stain Structure S-1	5.00	88.13	08-Nov-24 0	01-May-25 04:0(
A2160	CSO Gate	3.00	90.13	01-May-25 0	07-May-25 04:0(
A2450	S Line Gate	5.00	88.13	01-May-25 0	12-May-25 04:0(
City Communication Duct (Under Hybrid Levee Floodwall)		10.00	191.88	01-May-24 0	17-May-24 05:0(
A1860	MKE Communication Duct Package	10.00	191.88	01-May-24 0	17-May-24 05:0(
Utilities Railroad Undercrossing		30.00	182.00	28-Jun-24 0(	19-Aug-24 05:0(
Install water main, storm sewers, sanitary, and communicati		30.00	182.00	28-Jun-24 0(	19-Aug-24 05:0(
S Line Structure 12 to 16		30.00	182.00	28-Jun-24 0(	19-Aug-24 05:0(
A1250	S-Line (twin 54"), S12 to S-13	30.00	37.88	28-Jun-24 0(	19-Aug-24 05:0(
A3130	Establish Settlement Monitoring	5.00	207.00	28-Jun-24 0(	08-Jul-24 05:00
Utilities State Street		189.00	72.00	01-Apr-24 0(	13-Jun-25 05:0(
Demolition		49.00	37.88	01-Apr-24 0(	26-Jun-24 05:0(
State Street Sta. 52+70 to 74+25		11.00	50.88	01-Apr-24 0(	19-Apr-24 05:00
A2390	Traffic Control	2.00	50.88	01-Apr-24 0(	03-Apr-24 05:00
A2420	Erosion Control	1.00	50.88	04-Apr-24 0(	04-Apr-24 05:00
A2170	Saw Cut	2.00	50.88	08-Apr-24 0(	09-Apr-24 05:00
A2380	Remove concrete, curb, sidewalk	6.00	50.88	10-Apr-24 0(	19-Apr-24 05:00
State Street Sta. 21+00 to 28+00		8.00	37.88	14-Jun-24 0(	26-Jun-24 05:0(
A2430	Traffic Control	2.00	37.88	14-Jun-24 0(	17-Jun-24 05:0(
A2440	Erosion Control	1.00	37.88	19-Jun-24 0(	19-Jun-24 05:0(
A2400	Saw Cut	2.00	37.88	20-Jun-24 0(	21-Jun-24 05:0(
A2410	Remove concrete, curb, sidewalk	3.00	37.88	24-Jun-24 0(	26-Jun-24 05:0(
Install water main, storm sewers, sanitary, and communicati		178.00	72.00	22-Apr-24 0(	13-Jun-25 05:0(
P-Line, State Street SS71+50 to SS53+00		90.00	115.00	11-Jul-24 08	23-Dec-24 05:0(
A1110	Storm Sewer P-Line	90.00	50.88	11-Jul-24 08	23-Dec-24 05:0(
A2840	Pipe Removal/ Abandonement	90.00	50.88	11-Jul-24 08	23-Dec-24 05:0(
A1590	CM-STR P-1	7.00	196.00	15-Jul-24 08	26-Jul-24 05:00
T-Line, State Street SS21+50 to SS27+50		70.00	37.88	29-Oct-24 0(	13-Jun-25 05:0(
A1120	Storm Sewer T-Line	23.00	37.88	29-Oct-24 0(	13-Dec-24 05:0(
A2120	Pipe Removal/ Abandonement	70.00	37.88	29-Oct-24 0(	13-Jun-25 05:0(
A1190	CM/ STR T-1	10.00	37.88	16-Dec-24 0	07-Apr-25 05:00
A1200	CM/ STR T-2	10.00	37.88	09-Apr-25 0(	28-Apr-25 05:00
A1210	CM/ STR T-3	10.00	37.88	29-Apr-25 0(	14-May-25 05:0(
A1220	CM/ STR T-4	10.00	37.88	15-May-25 0	02-Jun-25 05:0(
A1230	CM/STR T-6	7.00	37.88	03-Jun-25 08:00 AM	13-Jun-25 05:00 PM
Watermain, State Street SS71+50 to SS53+00		23.00	50.88	22-Apr-24 0(	31-May-24 05:0(
A1810	Watermain	23.00	50.88	22-Apr-24 0(	31-May-24 05:0(
A2850	Pipe Removal/ Abandonment	23.00	50.88	22-Apr-24 0(	31-May-24 05:0(
MKE Communicatin Duct Package SS74+00 to SS53+00		35.00	192.00	03-Jun-24 0(	01-Aug-24 05:0(
A1880	MKE Com Duct Package (46th to Alois St)	12.00	50.88	03-Jun-24 0(	21-Jun-24 05:0(
A2060	Install & Operate Communication Cables	10.00	50.88	24-Jun-24 0(	10-Jul-24 05:00
A2860	Pipe Removal/ Abandonment	23.00	192.00	24-Jun-24 0(	01-Aug-24 05:0(
A1850	MKE Communication Duct Package (Alois St. to We	13.00	192.00	11-Jul-24 08	01-Aug-24 05:0(
Sanitary Sewer Sta SS71+50 to SS60+50		28.00	50.88	24-Dec-24 0	16-May-25 05:0(
A1870	Sanitary Sewer	28.00	50.88	24-Dec-24 0	16-May-25 05:0(
S Line Structure 12 to 16		57.00	90.88	21-Aug-24 0	02-Dec-24 05:0(
A1520	S-Line, S13 to S13.5	20.00	37.88	21-Aug-24 0	20-Sep-24 05:0(
A1570	S-Line, S13 to S16.3	20.00	37.88	23-Sep-24 0	28-Oct-24 05:00
A1170	CM-STR S-13	9.00	90.88	29-Oct-24 0(	14-Nov-24 05:0(
A2820	Pipe Removal/ Abandonment	17.00	90.88	29-Oct-24 0(	02-Dec-24 05:0(
A1180	CM-STR S-13.2	8.00	90.88	15-Nov-24 0	02-Dec-24 05:0(
North Bank Improvement-West		173.88	88.13	21-Dec-23 0	15-May-25 04:0(
Install floodwall		173.88	88.13	21-Dec-23 0	15-May-25 04:0(
North Bank West Sta NB60+00 to NB70+25		173.88	88.13	21-Dec-23 0	15-May-25 04:0(
A3640	Install Interim Perimeter Control (Water Control)	7.00	88.88	21-Dec-23 0	10-Apr-24 05:00
A3610	Excavate & Remove WBA wall Partial	14.00	86.88	17-Apr-24 0(	10-May-24 05:0(
A1620	Excavate WBA Wall Skirt	14.00	87.88	13-May-24 0	03-Jun-24 05:0(
A1580	Prep & Clean Existing Wall	13.00	87.88	05-Jun-24 0(	25-Jun-24 05:0(
A1740	Supplemental Infill	12.00	136.88	05-Jun-24 0(	24-Jun-24 05:0(
A1600	WPA Wall Skirt	48.00	87.88	26-Jun-24 0(	16-Sep-24 05:0(
A1630	WPA Wall Cap	33.00	87.88	17-Sep-24 0	15-Nov-24 05:0(
A3620	28 Day Concrete Cure	28.00	336.00	17-Sep-24 0	14-Oct-24 04:00
A3630	Stain WPA Wall	15.00	97.13	14-Oct-24 0(	11-Nov-24 04:0(
A1610	WPA Wall Connection/ Transition Steps	7.00	151.88	18-Nov-24 0	02-Dec-24 05:0(
A1640	Structure R-1 Outfall Area	5.00	153.88	18-Nov-24 0	26-Nov-24 05:0(
A1650	Quarry Stone Blocks	71.00	87.88	18-Nov-24 0	07-Apr-25 05:00
A3650	Remove Interim Perimeter Control (Water Control)	3.00	88.13	12-May-25 0	15-May-25 04:0(
North Bank Improvement-East		58.00	23.00	27-May-25 0	29-Aug-25 05:0(
Install floodwall		58.00	23.00	27-May-25 0	29-Aug-25 05:0(



Remaining Level of Effort | Actual Work | Critical Remaining Work
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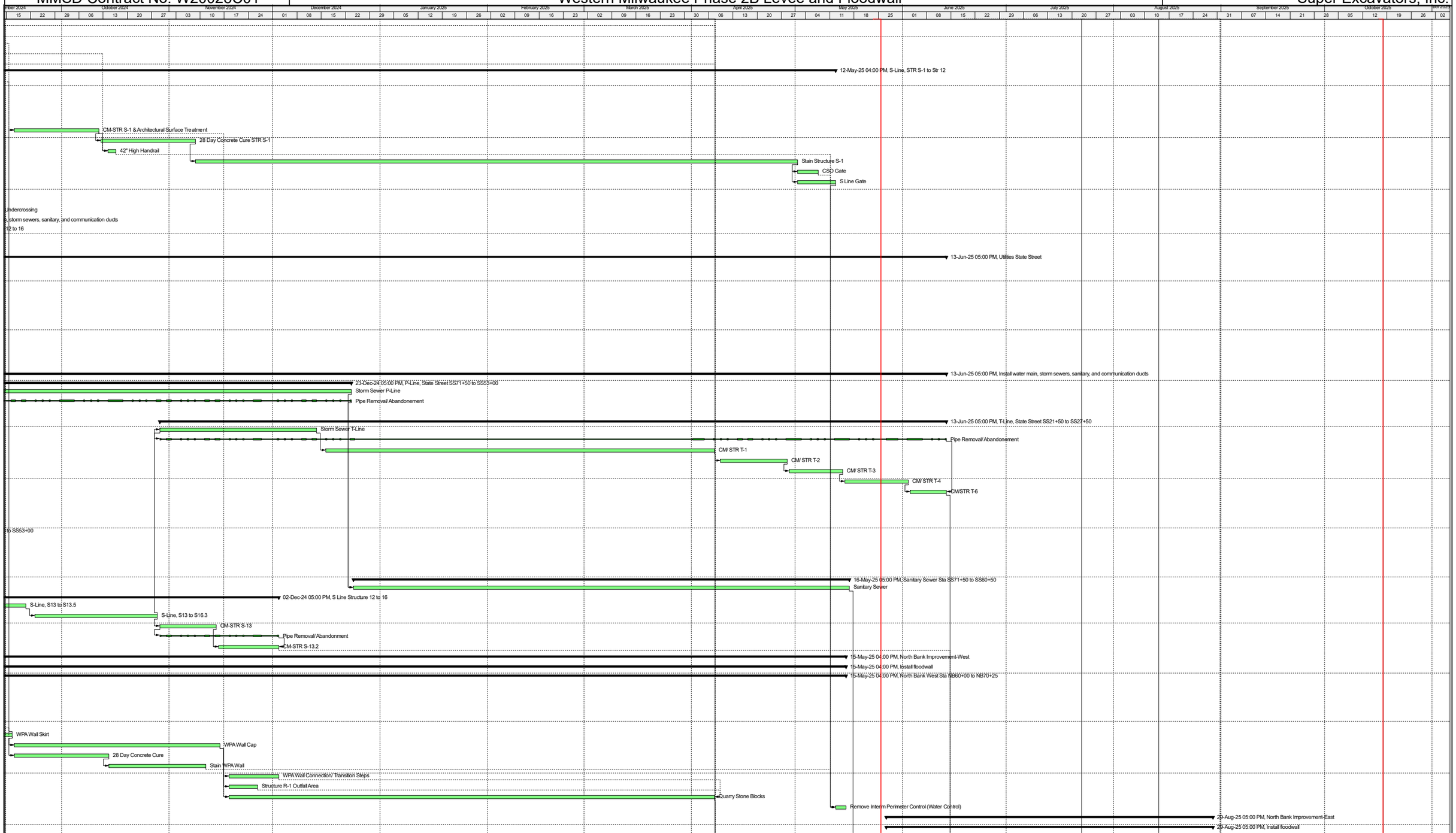

Remaining Level of Effort | Actual Work | Critical Remaining Work
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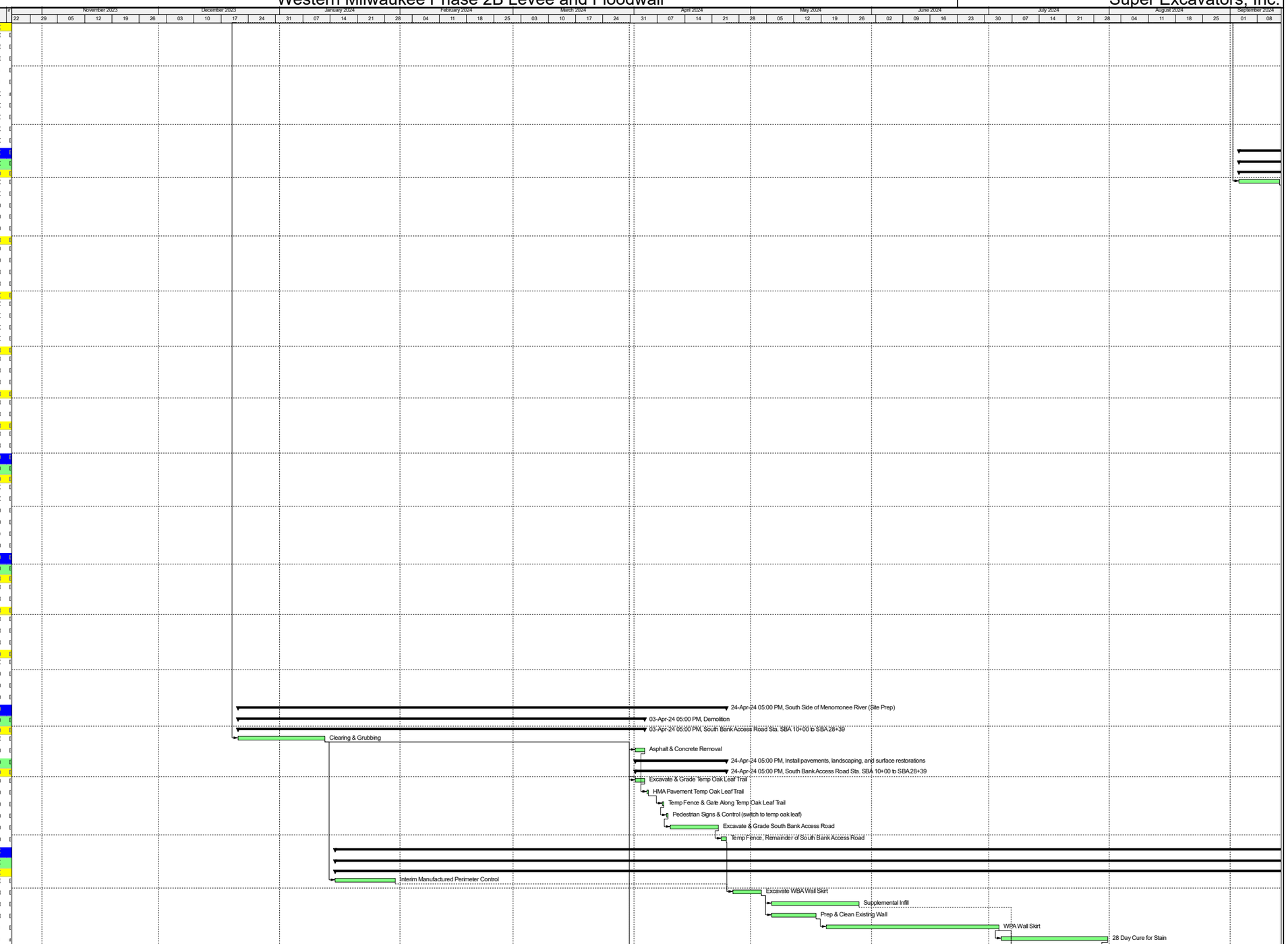
Activity ID	Activity Name	Original Duration	Total Float	Start	Finish
	North Bank East Sta NB76+50 to NB78+75	58.00	23.00	27-May-25 0	29-Aug-25 05:0
A1670	Excavate WBA Wall Skirt	5.00	-0.13	27-May-25 0	02-Jun-25 05:0
A1660	Supplemental Infill	4.00	16.88	03-Jun-25 0	06-Jun-25 05:0
A1680	Prep & Clean Existing Wall	5.00	-0.13	03-Jun-25 0	09-Jun-25 05:0
A1690	WPA Wall Skirt	16.00	-0.13	11-Jun-25 0	09-Jul-25 05:00
A1700	WPA Wall Cap	11.00	-0.13	10-Jul-25 08	28-Jul-25 05:00
A3690	28 Day Cure for Stain	28.00	55.00	10-Jul-25 08	06-Aug-25 04:0
A1710	WPA Wall Connection/ Transition Steps	7.00	-0.13	29-Jul-25 08	07-Aug-25 05:0
A1720	Structure Q-1 Outfall Area	4.00	2.88	29-Jul-25 08	01-Aug-25 05:0
A3700	Stain Archtecture Treatment	6.00	32.13	06-Aug-25 0	15-Aug-25 04:0
A1730	Quarry Stone Blocks	14.00	-0.13	08-Aug-25 0	29-Aug-25 05:0
	Levee	165.00	9.00	03-Sep-24 0	30-Sep-25 05:0
	perform grading measures	165.00	9.00	03-Sep-24 0	30-Sep-25 05:0
	Levee Sta LF0+59 to LF9+00	25.00	149.00	03-Sep-24 0	15-Oct-24 05:00
A2130	Levee Raise (Embankment & non-embankment)	8.00	148.00	03-Sep-24 0	13-Sep-24 05:0
A2110	Lower Zone Material	3.00	149.00	16-Sep-24 0	19-Sep-24 05:0
A3860	Install Cable Barrier at WPA Existing Wall	8.00	149.00	20-Sep-24 0	03-Oct-24 05:00
A2140	Topsoil	2.00	149.00	04-Oct-24 08	07-Oct-24 05:00
A3820	Restoration & Plantings	4.00	149.00	09-Oct-24 08	15-Oct-24 05:00
	Levee Sta LF9+00 to LF20+75	17.00	92.00	09-Apr-25 08	09-May-25 05:0
A2190	Levee Raise (Embankment & non-embankment)	8.00	87.88	09-Apr-25 08	23-Apr-25 05:00
A2200	Lower Zone Material	3.00	87.88	25-Apr-25 08	29-Apr-25 05:00
A2210	Topsoil	2.00	92.00	30-Apr-25 08	01-May-25 05:0
A3830	Restoration & Plantings	4.00	92.00	02-May-25 0	09-May-25 05:0
	Levee Sta LF20+75 to ND125+95	17.00	9.00	02-Sep-25 0	30-Sep-25 05:0
A2230	Levee Raise (Embankment & non-embankment)	8.00	-0.13	02-Sep-25 0	15-Sep-25 05:0
A2240	Lower Zone Material	3.00	-0.13	16-Sep-25 0	18-Sep-25 05:0
A2250	Topsoil	2.00	9.00	19-Sep-25 0	22-Sep-25 05:0
A3840	Restoration & Plantings	4.00	9.00	24-Sep-25 0	30-Sep-25 05:0
	Levee Maint. Dr. Sta. LF3+00 to LF9+56	5.00	93.00	30-Apr-25 08	07-May-25 05:0
A2660	Base Aggregate	2.00	93.00	30-Apr-25 08	01-May-25 05:0
A2670	0.75" Crushed Aggregate Surface	1.00	93.00	02-May-25 0	02-May-25 05:0
A3850	Install Swing Gate LF2+50	2.00	93.00	05-May-25 0	07-May-25 05:0
	West Levee Maint Dr. & Ramp Sta. WD200+00 to WD203+84	3.00	95.00	30-Apr-25 08	02-May-25 05:0
A2610	Base Aggregate	2.00	95.00	30-Apr-25 08	01-May-25 05:0
A2630	0.75" Crushed Aggregate Surface	1.00	95.00	02-May-25 0	02-May-25 05:0
	East Levee Maint Dr. & Ramp Sta.ED300+00 to 304+00	3.00	95.00	30-Apr-25 08	02-May-25 05:0
A2640	Base Aggregate	2.00	95.00	30-Apr-25 08	01-May-25 05:0
A2650	0.75" Crushed Aggregate Surface	1.00	95.00	02-May-25 0	02-May-25 05:0
	Swale	18.00	148.00	16-Sep-24 0	16-Oct-24 05:00
	Install pavements, landscaping, and surface restorations	18.00	148.00	16-Sep-24 0	16-Oct-24 05:00
	Swale Sta. 30+00 to 39+47.61	18.00	148.00	16-Sep-24 0	16-Oct-24 05:00
A2460	Excavate Subgrade	3.00	148.00	16-Sep-24 0	19-Sep-24 05:0
A2500	Crushed Agg Base Course	1.00	148.00	20-Sep-24 0	20-Sep-24 05:0
A2510	Concrete Pavement	7.00	148.00	23-Sep-24 0	03-Oct-24 05:00
A2470	Lower Zone Material	2.00	148.00	04-Oct-24 08	07-Oct-24 05:00
A2480	Topsoil	2.00	148.00	09-Oct-24 08	11-Oct-24 05:00
A2490	Restoration	3.00	148.00	14-Oct-24 08	16-Oct-24 05:00
	North Maintenance Drive	98.00	-0.13	30-Apr-25 08	15-Oct-25 05:00
	Install pavements, landscaping, and surface restorations	98.00	-0.13	30-Apr-25 08	15-Oct-25 05:00
	59th Street Pump Station	3.00	94.88	30-Apr-25 08	02-May-25 05:0
A2520	Base Aggregate	2.00	94.88	30-Apr-25 08	01-May-25 05:0
A2530	HMA Pavement	1.00	94.88	02-May-25 0	02-May-25 05:0
	N. Maint Drive Sta. ND92+68 to ND107+00	10.00	87.88	30-Apr-25 08	15-May-25 05:0
A2540	Base Aggregate	2.00	87.88	30-Apr-25 08	01-May-25 05:0
A2560	Concrete Drive	7.00	87.88	02-May-25 0	14-May-25 05:0
A2550	0.75" Crushed Aggregate Surface	1.00	87.88	15-May-25 0	15-May-25 05:0
	N. Maint Drive Sta. ND107+00 to ND125+94.58	15.00	-0.13	19-Sep-25 0	15-Oct-25 05:00
A2580	Base Aggregate	3.00	-0.13	19-Sep-25 0	24-Sep-25 05:0
A2590	Concrete Drive	7.00	-0.13	26-Sep-25 0	08-Oct-25 05:00
A2600	0.75" Crushed Aggregate Surface	2.00	2.88	09-Oct-25 08	10-Oct-25 05:00
A3870	Install Swing Gates	5.00	-0.13	09-Oct-25 08	15-Oct-25 05:00
	South Side of Menomonee River (Site Prep)	15.00	133.00	21-Dec-23 0	24-Apr-24 05:00
	Demolition	52.00	134.00	21-Dec-23 0	03-Apr-24 05:00
	South Bank Access Road Sta. SBA 10+00 to SBA 28+39	52.00	134.00	21-Dec-23 0	03-Apr-24 05:00
A1950	Clearing & Grubbing	8.00	176.00	21-Dec-23 0	12-Jan-24 05:0
A1960	Asphalt & Concrete Removal	2.00	134.00	01-Apr-24 08	03-Apr-24 05:00
	Install pavements, landscaping, and surface restorations	14.00	133.00	01-Apr-24 08	24-Apr-24 05:00
	South Bank Access Road Sta. SBA 10+00 to SBA 28+39	14.00	133.00	01-Apr-24 08	24-Apr-24 05:00
A1980	Excavate & Grade Temp Oak Leaf Trail	2.00	133.00	01-Apr-24 08	03-Apr-24 05:00
A1990	HMA Pavement Temp Oak Leaf Trail	1.00	133.00	04-Apr-24 08	04-Apr-24 05:00
A2010	Temp Fence & Gate Along Temp Oak Leaf Trail	1.00	133.00	08-Apr-24 08	08-Apr-24 05:00
A2000	Pedestrian Signs & Control (switch to temp oak leaf)	1.00	133.00	09-Apr-24 08	09-Apr-24 05:00
A2020	Excavate & Grade South Bank Access Road	7.00	133.00	10-Apr-24 08	22-Apr-24 05:00
A2030	Temp Fence , Remainder of South Bank Access Roa	2.00	133.00	23-Apr-24 08	24-Apr-24 05:00
	South Bank Improvement	129.00	131.88	15-Jan-24 0	15-Nov-24 05:0
	Install floodwall	129.00	131.88	15-Jan-24 0	15-Nov-24 05:0
	South Bank Sta SB400+50 to SB404+55	129.00	131.88	15-Jan-24 0	15-Nov-24 05:0
A1920	Interim Manufactured Perimeter Control	10.00	213.88	15-Jan-24 0	30-Jan-24 05:0
A1750	Excavate WBA Wall Skirt	5.00	167.88	26-Apr-24 08	03-May-24 05:0
A1760	Supplemental Infill	13.00	189.88	06-May-24 0	28-May-24 05:0
A1770	Prep & Clean Existing Wall	7.00	167.88	06-May-24 0	17-May-24 05:0
A1780	WPA Wall Skirt	28.00	167.88	20-May-24 0	03-Jul-24 05:00
A3720	28 Day Cure for Stain	28.00	426.00	04-Jul-24 08	31-Jul-24 04:00



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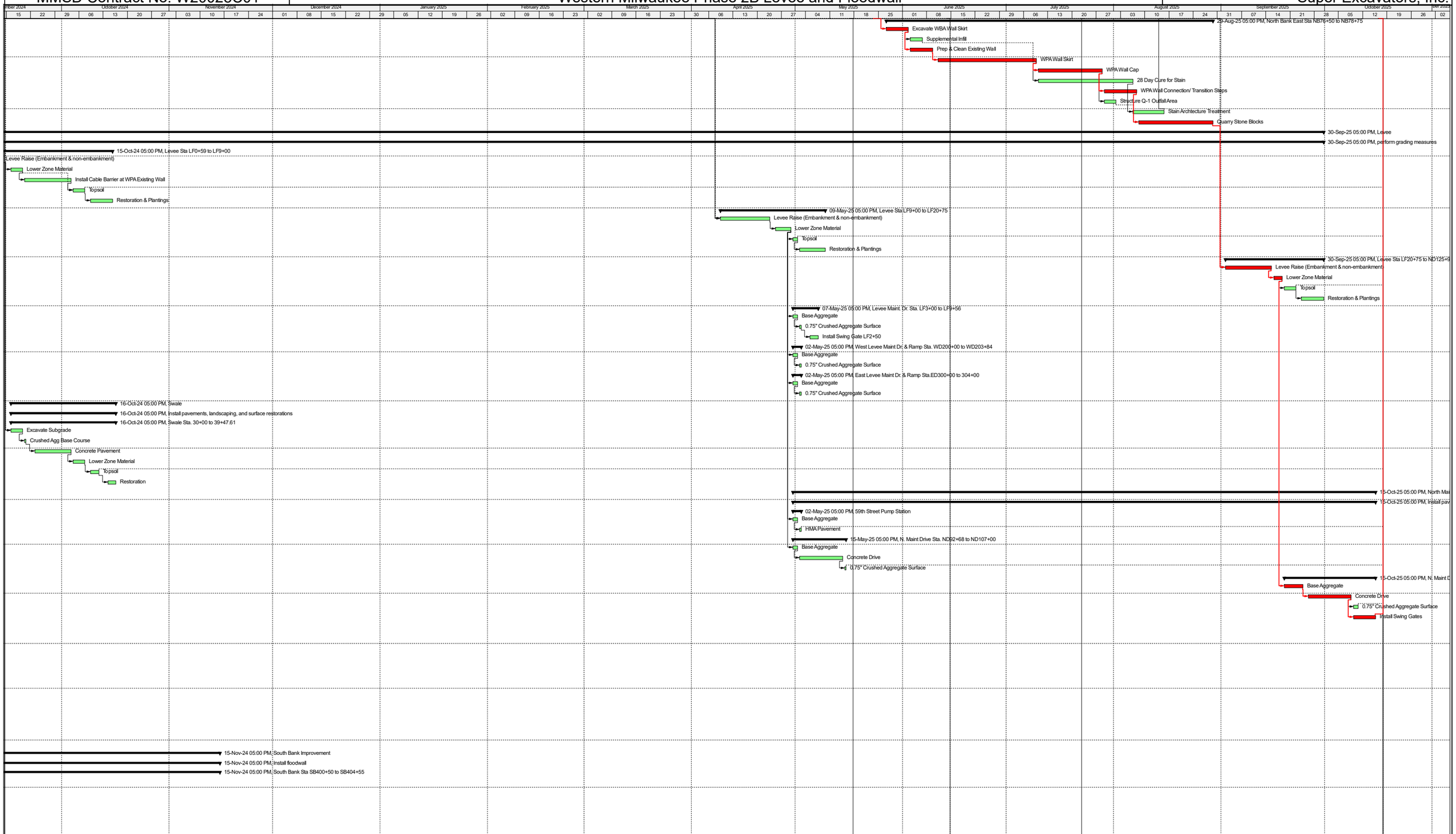

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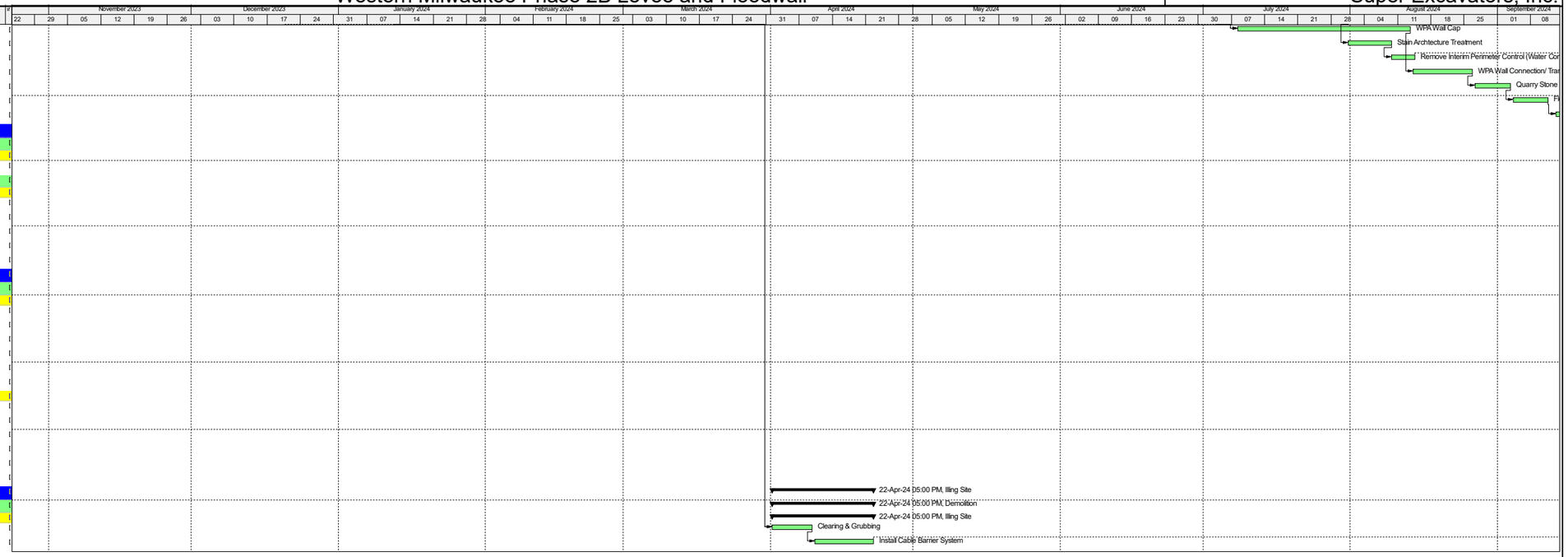
Activity ID	Activity Name	Original Duration	Total Float	Start	Finish
A1790	WPA Wall Cap	23.00	167.88	08-Jul-24 08	13-Aug-24 05:0
A3730	Stain Architecture Treatment	6.00	149.00	31-Jul-24 04	09-Aug-24 04:0
A3740	Remove Interim Perimeter Control (Water Control)	3.00	184.00	09-Aug-24 0	14-Aug-24 04:0
A1800	WPA Wall Connection/ Transition Steps	7.00	167.88	14-Aug-24 0	26-Aug-24 05:0
A1820	Quarry Stone Blocks Row 1	5.00	167.88	27-Aug-24 0	03-Sep-24 05:0
A1830	Floodplain Bench	6.00	167.88	04-Sep-24 0	11-Sep-24 05:0
A1840	Quarry Stone Blocks Remaining Rows	35.00	167.88	13-Sep-24 0	15-Nov-24 05:0
South Bank Access Road		12.00	119.88	18-Nov-24 0	12-Dec-24 05:0
Demolition		5.00	169.88	22-Nov-24 0	02-Dec-24 05:0
South Bank Access Road Sta. SBA 10+00 to SBA 28+39		5.00	169.88	22-Nov-24 0	02-Dec-24 05:0
A1970	Remove Truss Bridge	5.00	169.88	22-Nov-24 0	02-Dec-24 05:0
Install pavements, landscaping, and surface restorations		12.00	119.88	18-Nov-24 0	12-Dec-24 05:0
South Bank Access Road Sta. SBA 10+00 to SBA 28+39		12.00	119.88	18-Nov-24 0	12-Dec-24 05:0
A3750	Excavate & Grade Final Path	2.00	119.88	18-Nov-24 0	20-Nov-24 05:0
A3770	Crushed Granite SB Access Road	2.00	119.88	22-Nov-24 0	25-Nov-24 05:0
A3760	HMA Pavement Oak Leaf Trail	1.00	123.88	26-Nov-24 0	26-Nov-24 05:0
A3790	Seating Areas	5.00	119.88	26-Nov-24 0	06-Dec-24 05:0
A3780	Topsoil, Seed, Mulch	3.00	119.88	09-Dec-24 0	12-Dec-24 05:0
State Street Post Utilities		60.00	26.88	19-May-25 0	28-Aug-25 05:0
Install pavements, landscaping, and surface restorations		60.00	26.88	19-May-25 0	28-Aug-25 05:0
State Street Sta. 52+70 to 74+25		60.00	26.88	19-May-25 0	28-Aug-25 05:0
A2260	Base Aggregate & Grade	6.00	50.88	19-May-25 0	29-May-25 05:0
A2280	Curb & Gutter	7.00	50.88	30-May-25 0	09-Jun-25 05:0
A2270	Concrete Pavement	14.00	26.88	24-Jul-25 08	13-Aug-25 05:0
A2290	Concrete Sidewalk & Driveways	7.00	28.88	15-Aug-25 0	26-Aug-25 05:0
A2300	Plowable Median	7.00	26.88	15-Aug-25 0	26-Aug-25 05:0
A2370	Pavement Marking & Signs	2.00	26.88	27-Aug-25 0	28-Aug-25 05:0
State Street Sta. 21+00 to 28+00		34.00	37.88	16-Jun-25 0	11-Aug-25 05:0
A2320	Base Aggregate & Grade	6.00	37.88	16-Jun-25 0	23-Jun-25 05:0
A2330	Curb & Gutter	7.00	37.88	25-Jun-25 0	07-Jul-25 05:00
A2340	Concrete Pavement	14.00	37.88	09-Jul-25 08	30-Jul-25 05:00
A2310	HMA Overlay	5.00	38.88	31-Jul-25 08	07-Aug-25 05:0
A2350	Concrete Sidewalk & Driveways	7.00	37.88	31-Jul-25 08	11-Aug-25 05:0
A2360	Pavement Marking & Signs	1.00	38.88	08-Aug-25 0	08-Aug-25 05:0
Illing Site		12.00	248.88	01-Apr-24 0	22-Apr-24 05:00
Demolition		12.00	248.88	01-Apr-24 0	22-Apr-24 05:00
Illing Site		12.00	248.88	01-Apr-24 0	22-Apr-24 05:00
A2870	Clearing & Grubbing	5.00	248.88	01-Apr-24 0	09-Apr-24 05:00
A3880	Install Cable Barrier System	7.00	248.88	10-Apr-24 0	22-Apr-24 05:00



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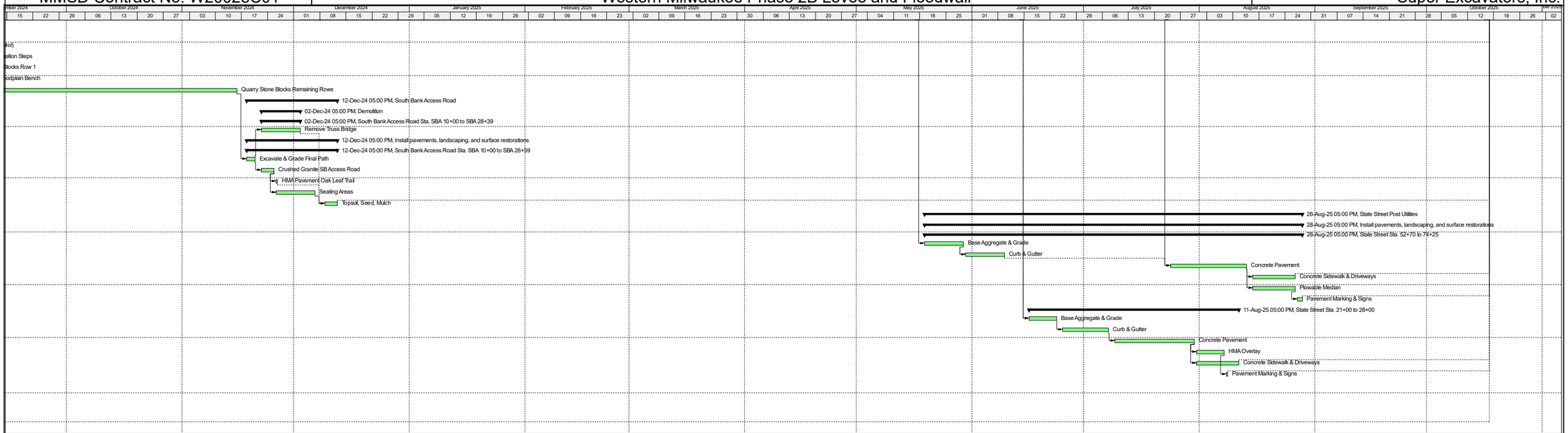

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MMSD CONTRACT: W20028C01
Western Milwaukee Phase 2B Levee and Floodwall

PRE-CONSTRUCTION MEETING AGENDA
Hybrid Teams Meeting & OJ Noer A & B
9:00 PM, October 11, 2023

1. **Attendance Sign-in and Introductions**

2. **Project Scope**

   The project contemplated consists primarily of:

   - Demolition and abandonment of existing pavements, foundations, retaining walls and public utilities;
   - Soil remediation by excavation and off-site land filling of approximately 20,000 tons of contaminated soils;
   - Quarry stone streambank reconstruction along approximately 1,500 feet of the north bank and south bank of the Menomonee River;
   - Excavation, grading and on-site management of low-level contaminated soil along approximately 7 acres of the north bank floodplain of the Menomonee River, and construction of approximately 1,700 feet of earthen levees;
   - Construction of a 200 linear foot hybrid levee floodwall and 1,150 linear foot concrete floodwall;
   - Construction of approximately 6,600 feet of 12-inch to 72-inch diameter storm sewer and 350 feet of 120" x 60" Combined Sewer Overflow, including maholes, inlets, cast-in-place structures, and lateral reconnections, seven flap gates ranging from 24-inch to 60-inch, and including two undercrossings of the Canadian Pacific Railway tracks;
   - Construction of approximately 1,850 linear feet of 16-inch water main, including building services up to the right-of-way line, located on West State Street;
   - Construction of approximately 2,000 linear feet of concrete encased conduit for City of Milwaukee communication service located in West State Street;
   - Concrete pavement, asphalt, turf, and native vegetation restoration of all disturbed areas.

3. **Work By Others**

   - We Energies will relocate overhead power lines, utility poles, and pedestals necessary to accommodate the proposed construction;
   - We Energies will provide a pipeline rock shield for the 20-inch diameter gas main located beneath the Hawley Road overpass;
   - We Energies will abandon the existing 2-inch gas service line located beneath the Hawley Road overpass;
   - The City of Milwaukee will replace the street lighting enclosure south of W. State Street and north of the Canadian Pacific Railroad prior to start of this Contract. Following installation of the conduit and steel carrier by the Contractor, the City of Milwaukee will install new street lighting starting at the manholes under the Hawley Road Bridge directly north of the Menomonee River and tie into the existing line at the Canadian Pacific rightof-way;

- The Canadian Pacific Railway Company will repair damage to tracks, ballast, or other facilities caused by Contractor operations. All costs associated with repairs shall be paid for at the Contractor's expense in accordance with SPECIAL ATTACHMENT NO. 12D;
- The City of Wauwatosa Water Department and the Milwaukee Water Works will operate water valves as necessary to accommodate the proposed water main alterations;
- The City of Milwaukee will be performing lead service line replacements on private property in conjunction with the Contractor's lead service line replacements on public Right of Way. The City will be picking up where the Contractor leaves off at the right of way line, replacing the remaining lead service lines to the building faces.

4. Project Communication

- All communication with MMSD will be routed through the MMSD Construction Manager.

5. Safety

- Safety Requirements can be found in Section 01016;
- Contractor to identity designated safety representative;
- Monthly safety report;
- Contractor to submit site specific safety plan for MMSD review prior to any onsite work;
- Notice of work to all adjoining property owners at least 30 days prior to excavation work;
- All contractors, subcontractors, manufacturer representatives and startup personnel must complete safety training a minimum of three (3) days before working on site - Training is online at the following website: http://training.mmsd.com/safety-training;
- Contractor to provide pre-construction photos and video;
- Contractor to provide pre-construction and periodic survey data (vertical and horizontal) to monitor potential movement of structures and/or improvements.

6. S/W/MBE & Local Workforce Program Requirements

- Small Business Enterprise & Veteran Business Enterprise Goal – 5% of contract
- Women Business Enterprise Goal –2% of contract
- Minority Business Enterprise Goal – 13% of contract
- 10% of the total labor hours to be performed by apprentices.
- Local workforce requirement for this project is 45% Sanitary Sewer Service Area and 20% Target Area
    i. Local Work Force information to be uploaded by prime and subcontractors weekly.
    ii. SWMBE information is to be updated monthly

7. E-builder Construction Management Software

- E-builder is MMSD's construction management software;

- Submittals, substantial and final completion, RFI's, invoices, potential change orders (PCO's) change orders (CO's) and survey requests will be managed in e-Builder;
- Access to e-Builder can be gained by requesting a username and password through the MMSD CM. Accordingly, provide a list of authorized users to the MMSD CM;
- Please ask any e-Builder questions to the MMSD CM prior to submission.

8. Contractor's Preconstruction Requirements

- Overall Schedule shall be submitted to the Engineer within 14 days of the NTP. Schedule requirements detailed in 01311;
- Contractor is to provide copies of all subcontractor agreements to the MMSD CM;
- Preconstruction Survey of project sites shall be completed before starting any work. Preconstruction survey will be made jointly by Contractor and Engineer. Video/photos of survey to be uploaded to eBuilder.

9. Construction Submittals

- As mentioned above, submittal items will only be sent electronically through MMSD's e-Builder construction management software;
- Submittals shall only be sent in by the prime Contractor;
- Contractor shall review all submittals from suppliers and subcontractors. Incomplete or unchecked submittals are not acceptable. Contractor shall stamp drawings indicating that they have reviewed each submittal;
- Contractor shall call out any deviations from the Plans and Specifications on each submittal;
- Designer has 30 days to review each submittal; 15 days for resubmittals;
- Technical submittals required by the specifications include, but are not limited to, the following:
    i. 01011—Survey requests
    ii. 01014—Cities of Milwaukee and Wauwatosa erosion control plans and subsequent permits
    iii. 01015—Notification of any finds
    iv. 01300—Copies of submittals to other governmental agencies; record drawings; Certifications of Compliance; Material Management Plan; Dewatering and Flow Diversion Plan; Sequence of Work Plan; Spill Response Plan; WDNR Notice of Intent and WPDES General Permit; Milwaukee County Right of Entry Permit; Local Permits; Communication and Response Plan
    v. 01500-- Submittal or approval for temporary offices, sanitary facilities, temporary construction roads, storage buildings, storage yards, temporary water service, and signing; CAMERA MONITORING AND DOCUMENTATION
    vi. 01570—Traffic control plan
    vii. 02015—Erosion control material submittals and certifications; Submittals associated with partial payment of Move In and Site Preparation

viii. 02110—Demolition schedule and means and methods; waste materials certification of proper disposal; stump treatment means and methods; recycled materials quantities

ix. 02201—Remedial in-situ chemical oxidation documentation; disposal areas and haul routes; exempt soil disposal approval; soil technicians qualifications; levee fill borrow source documentation; weekly compaction test results

x. 02213—Preliminary and final temporary shoring submittals; monitoring and settlement mitigation; scheduling

xi. 02221—Shoring and earth retention; detailed plan for section of S-line

xii. 02225—Trenchless contractor qualifications; trenchless workplan to CP Railway 30 days in advance; temporary shoring design 60 days in advance; track monitoring plan 60 days in advance; notifications; insurance; daily monitoring reports

xiii. 02228—Anticipated production rates of material; stone tests; suppliers and certifications; samples or quarry visit; weekly survey results; daily weight tickets

xiv. 02320—Manufacturers specifications for pile driving equipment; shop drawings; material certifications; sheet piling driving operations records

xv. 02530—Flow diversion and water control plan

xvi. 02553—Certified load tests for manhole steps; Certificates of Compliance; precast unit details; submittal for floodwall plaque

xvii. 02616—Certificates of conformance to material specifications; geosynthetic pavers; geosynthetic paver installer qualifications; crushed granite surface; delineators

xviii. 02832—Certificates of suppliers; imported topsoil; compost; mulch; certificates of inspection; maintenance plan; Milorganite quantity; post-construction maintenance logs

xix. 02834—Materials certification

xx. 03200—Bar bending list; placing drawings; steel mill test reports

xxi. 03370—Sample panel; plan, elevation and details; material samples

xxii. 05520—Shop drawings; catalog data and design for prefabricated items; handrail load and deflection test data; material samples; maintenance instructions; installation data; certifications

xxiii. 15005—Concrete pipe manufacturer's QC procedures; Certificates of compliance; work plan and temporary relocation of 6-inch watermain alteration; work plans for temporary utility relocations; preconstruction inspection report and video prior to work on State Street; CCTV inspection videos

xxiv. 15090—Certificates of Compliance

10. Traffic Control

- Traffic control requirements detailed in 01570;
- Along State Street at least one lane of traffic in each direction shall be maintained;
- Milwaukee County Transit System bus routes 31 and 60 impacted;

- Access to be maintained for all side streets and private properties along State Street for duration of contract;
- Contractor to install District-provided signage.

11. Permits

- WDNR Chapter 30 Permit (SPECIAL ATTACHMENT NO. 12.A);
- WDNR General Wetland Fill Permit (SPECIAL ATTACHEMENT NO. 12.B);
- US Army Corps of Engineers Section 404 Permit (SPECIAL ATTACHMENT NO. 12.C);
- Canadian Pacific Railway Utility Permit (SPECIAL ATTACHMENT NO. 12.D);
- Canadian Pacific Railway Construction and Maintenance Agreement (SPECIAL ATTACHEMNT NO. 12.E);
- Street Occupancy Permit to be obtained from the City of Wauwatosa and City of Milwaukee by the Contractor;
- Right of Entry Permit to be obtained from Milwaukee County by the Contractor;
- Erosion Control Permits from the City of Wauwatosa and City of Milwaukee to be obtained by the Contractor;
- WNDR Notice of Intent to be obtained by the Contractor. Application for the Notice of Intent includes compliance with WPDES Permit No. WI-S067831-5;
- Refer to Section 02213 for Contractor submittal process to obtain Canadian Pacific approval for construction of temporary shoring;
- Other permits as may be specified or required by law which are required or obtained by the Contractor.

12. Special Insurance Requirements

- Railroad protective insurance is required due to the proximity of the Canadian Pacific Railway right-of-way. See SPECIAL ATTACHMENT NO. 12.D.

13. Special Construction Conditions

- Access to the site and for the contractor and other owners is outlined on Dwg. No. 151-G-11;
- Winter working restrictions for W. State Street in the City of Milwaukee is specified in Section 15005 (December 1 thru March 30);
- All soil, except for soils within W. State Street, is considered contaminated;
- The site has been divided into five soil management units and shall be managed according to the soil management requirements as described in Section 02201 and on Dwg. No. 151-CG-2;
- Sewer construction of the S Line storm sewer beneath Hawley Road Bridge is in the vicinity of two existing City of Milwaukee water mains (42-inch and 16-inch diameter) and a Hawley Road Bridge pier shown on Dwg. No. 151-ST21. The water main pipe was installed in the 1920's and may be very brittle so extreme care should be taken while excavating in the vicinity of each pipe;
- Utility construction in State Street will require careful attention to construct the proposed sewers, watermain and communications duct packages adjacent to existing utilities and infrastructure;

- The MMSD will be invoiced directly for utility relocations and Canadian Pacific Railway review fees.

14. Contract Administration

- Notice to Proceed Date: October 25, 2023;
- Project Duration: 2,738 days (7.5 years);
- Project Completion Date: April 24, 2031;
- Milestone 1 Duration: 730 days (2 years);
- Milestone 1 Completion Date: October 24, 2025;
- Milestone 2 Duration: 913 days (2.5 years);
- Milestone 2 Completion Date: April 25, 2026;
- Liquidated Damages: $800 per day—applicable to milestones as well as contract completion.

15. Progress Meetings

- Contractor's Narrative Report per 01311
- Contractors Safety Audit Report per 01016
- Updated Project Schedule per 01311
- Date, time and location TBD

16. Coordination With Others

- The Contractor will need to coordinate with several utility companies as well as the City of Milwaukee and City of Wauwatosa both prior to beginning construction and during the duration of the project. Summary of work by other and coordination is detailed in Section 01010;
- The Contractor must coordinate with Milwaukee County Parks prior to any tree removal on the south bank of the Menomonee River and prior to Oak Leaf Trail modifications;
- The Contractor must coordinate with CP Railway for all work within the railway corridor, including review and approval of temporary shoring design submittals, support of the signalized gate crossing bungalow at N. 50th Place, and jacked pipe crossing;
- Relocation of the existing City of Milwaukee Communications Duct Bank in W. State Street and under the Hawley Road bridge, including sequencing work and maintaining connections to the existing City of Milwaukee Police Station located on N. Alois Street and the City of Milwaukee Maintenance facility located at 5230 W. State Street is outlined in Section 15090.

17. Comments/Questions