From:	Taraszki, Michael D
To:	Handley, Bianca
Cc:	vahe.dabbaghian@ladwp.com; Nicole.Alkov@Waterboards.ca.gov; Diep, Chi P.@Waterboards; Murdock, Kevin/LAC; Humphreys, Christina@Waterboards; Heitmann, Michael; Radke, Laura@DTSC; Nyahay, Colin; HamannNazaroff, Daniela; Bowles, Steven/PHX; Eric Mills; Rodriguez, Michelle
Subject:	RE: NHOU: February 2022 monthly progress report
Date:	Friday, March 11, 2022 9:56:12 AM
Attachments:	image001.png R35216 NHOU_2022 Mar_RA_Monthly Prog Report.pdf

Bianca,

The updated construction project schedule is now included with the February 2022 progress report – attached.

Thank you,

Michael Taraszki, PG, CHG, PMP
Pronounced Tah-RASS-kee; he/him/his
Wood Consulting – Resilient Environments
Principal Hydogeologist, Senior Project Manager
180 Grand Avenue, Suite 1100, Oakland, California 94612
T (510) 663-3996 M (510) 368-4549
michael.taraszki@woodplc.com www.woodplc.com

From: Taraszki, Michael D
Sent: Thursday, March 10, 2022 8:55 PM
To: 'Handley, Bianca' <Handley.Bianca@epa.gov>
Cc: 'Dabbaghian, Vahe' <Vahe.Dabbaghian@ladwp.com>; 'Nicole.Alkov@Waterboards.ca.gov' <Nicole.Alkov@Waterboards.ca.gov>; 'Diep, Chi P.@Waterboards' <Chi.Diep@waterboards.ca.gov>; 'Murdock, Kevin/LAC' <Kevin.Murdock@jacobs.com>; Humphreys, Christina@Waterboards <christina.humphreys@waterboards.ca.gov>; Heitmann, Michael <Michael.Heitmann@Honeywell.com>; Radke, Laura@DTSC <laura.radke@dtsc.ca.gov>; Nyahay, Colin <colin.nyahay@woodplc.com>; HamannNazaroff, Daniela <d.hamannnazaroff@woodplc.com>; 'Bowles, Steven/PHX' <Steven.Bowles@jacobs.com>; Eric Mills (emills@carollo.com) <emills@carollo.com>; Rodriguez, Michelle <michelle.rodriguez@woodplc.com>
Subject: NHOU: February 2022 monthly progress report

Bianca,

The February 2022 progress report for NHOU is attached for your review and approval (the updated construction schedule is forthcoming).

Please let me know if you have any questions regarding this matter.

Thank you,

Michael Taraszki, PG, CHG, PMP
Pronounced Tah-RASS-kee; he/him/his
Wood Consulting – Resilient Environments
Principal Hydogeologist, Senior Project Manager
180 Grand Avenue, Suite 1100, Oakland, California 94612
T (510) 663-3996 M (510) 368-4549
michael.taraszki@woodplc.com www.woodplc.com

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wood.

Wood Environment & Infrastructure Solutions, Inc.
180 Grand Avenue, Suite 1100
Oakland, California 94612-3066
USA

T: (510) 663-4100
F: (510) 663-4141

www.woodplc.com

March 10, 2022

Project 8620200310

Ms. Bianca Handley
U.S. Environmental Protection Agency
75 Hawthorne Street
San Francisco, California 94105

Subject: February 2022 Monthly Progress Report (electronic submittal)
North Hollywood Operable Unit
Second Interim Remedy
Groundwater Remediation Design

Dear Ms. Handley:

On behalf of Honeywell International Inc., attached is the February 2022 monthly progress report for North Hollywood Operable Unit (NHOU) Second Interim Remedy (2IR) treatment activities, pursuant to the October 2017 Unilateral Administrative Order for Remedial Action (U.S. EPA Region IX CERCLA Docket No. 2017-06; UAO) that became effective on February 1, 2018, and the First Amendment to the UAO (CERCLA Docket No. 2019-12) dated July 8, 2019.

Please contact me at (510) 663-4100 if you have questions regarding this submittal.

Sincerely,
Wood Environment & Infrastructure Solutions, Inc.

Michael Taraszki, PG CA 6457, CHG CA 586, PMP
Project Principal

MT/MR
https://woodplc.sharepoint.com/teams/hon-nhou/shared documents/general/03.0 doc & data control/monthly progress reports/2022/2022.03.10/r35216 nhou_2022 mar_ra_monthly prog report.docx

Attachment: February 2022 Monthly Progress Report

cc: Mike Heitmann (Honeywell)
Vahe Dabbaghian (LADWP)
Rochelle Dungca (LADWP)
Nicole Alkov and Christina Humphreys (RWQCB-LA)
Laura Radke (DTSC)
Chi Diep (SWRCB DDW)
Kevin Murdock (Jacobs)
Eric Mills (Carollo)

'Wood' is a trading name for John Wood Group PLC and its subsidiaries

FEBRUARY 2022 NHOU Monthly Progress Report

ACTIVITIES COMPLETED FOR THE REPORT PERIOD

- Wood oversaw continued installation of the cable tray system and rough-in of onsite electrical, installation of LPGAC and WBA vessel manifolds, installation of the backwash holding tank, and construction at well sites; Wood continued to provide LADWP with contractor submittals for review;
- LADWP provided p-drawings regarding power drops at all five extraction wells;
- On February 4, 2022, Honeywell/Wood submitted the Preliminary (30%) Phase 3 Design to LADWP for their review.
- LADWP provided comments on the Phase 1B 60% Programming Design, as discussed on February 17, 2022;
- On February 17, 2022, LADWP hosted a User Review meeting with Carollo to discuss the Pre-Final (90%) Phase 2B Design; and,
- On February 25, 2022, EPA performed a site visit at Lankershim Yard.

ANTICIPATED ACTIVITIES FOR THE NEXT SIX WEEKS

- Honeywell/Wood actions:
  - Wood will continue to install Phase 1B Groundwater Treatment System cable tray supports, electrical equipment, and will oversee construction of the backwash tank supply tank on Lankershim Yard, and will continue to provide contractor submittals for LADWP review;
  - Wood will continue with construction activities at the extraction well sites, as well as obtain permits necessary to operate the treatment system and discharge treated water to the LA County storm drain;
  - Wood will participate in a User Review Meeting with LADWP to discuss the Phase 3 30% Design;
  - Wood will continue to coordinate with LADWP regarding DDW's review of the draft Commissioning Plan;
  - Wood will submit a Sitewide Groundwater Monitoring Plan to EPA for review/approval; and,
  - Honeywell/Wood will continue to support LADWP with the DDW 97-005 permit process.

FEBRUARY 2021 NHOU Monthly Progress Report (continued)

ANTICIPATED ACTIVITIES FOR THE NEXT SIX WEEKS (CONTINUED)

- LADWP actions (anticipated):
  - Coordinate with Wood regarding construction activities associated with the Phase 1B Groundwater Treatment System (including review of contractor submittals and issued-for-construction drawings);
  - Review the revised draft Phase 1B Commissioning Plan and provide it to DDW;
  - Provide comments on the Phase 2B Pre-Final (90%) Design to Carollo;
  - Review the Phase 3 Preliminary (30%) Design and host a User Review Meeting with Wood, followed by comments provided to Wood; and,
  - Continue development and submittal of DDW 97-005 process documents.
- U.S. EPA actions (anticipated):
  - Perform periodic site inspections of the Phase 1B Groundwater Treatment System construction, as needed; and,
  - Review the Phase 2B Pre-Final (90%) Design.
- Honeywell/Carollo actions:
  - Carollo to submit Phase 2B Pre-Final (90%) Design to EPA. Submittal will include response to EPA's and DTSC's comments on the Phase 2B 60% Design.

ANTICIPATED ACTIVITIES FOR THE NEXT SIX MONTHS

- Honeywell/Wood actions:
  - Wood will complete installation of equipment/components of the NHOU Phase 1B Groundwater Treatment System and will initiate the commissioning process;
  - Wood will provide contractor submittals for the Phase 1B Groundwater Treatment System to LADWP for review;
  - Wood will prepare the Phase 3 Intermediate (60%) Design for EPA/LADWP review, pending LADWP's review of the Preliminary (30%) Design; and
  - Honeywell/Wood will continue to support LADWP with the DDW 97-005 process.
- LADWP actions (anticipated):
  - Review submittals and issued-for-construction drawings associated with the Phase 1B Groundwater Treatment System;
  - Participate in Phase 1B Groundwater Treatment System construction and commissioning meetings;
  - Review the Phase 2B Pre-Final (90%) Design;

FEBRUARY 2021 NHOU Monthly Progress Report (continued)

ANTICIPATED ACTIVITIES FOR THE NEXT SIX MONTHS (CONTINUED)

- Review the Phase 3 Intermediate (60%) Design and host a User Review Meeting;
- Review the Phase 2B Final (100%) Design; and,
- Continue development and submittal of documents associated with the DDW 97-005 process, including meeting(s) with DDW.

- Honeywell/Carollo actions:
  - Carollo to submit Phase 2B Final (100%) Design to LADWP and EPA; and,
  - Carollo will participate in LADWP's User Review Meeting for the 100% design; and,
  - Carollo will obtain required permits necessary for construction anticipated to begin in Q3 of 2022.
- U.S. EPA actions (anticipated):
  - Perform periodic site inspections of the Phase 1B Groundwater Treatment System, and participate in associated construction meetings, as required;
  - Review and approve the Sitewide Groundwater Monitoring Plan;
  - Review and approve the Phase 2B Pre-Final (90%) and Final (100%) Designs; and,
  - Review and approve the Phase 3 Intermediate (60%) Design.

SCHEDULE UPDATE

- An updated Phase 1B Groundwater Treatment System construction schedule is attached.

ISSUES AND CORRECTIVE ACTIONS

- None.

UNRESOLVED ISSUES/POTENTIAL IMPACTS TO SCHEDULE/WORK PLAN (FOR EPA APPROVAL)

- Material supply-chain issues are delaying delivery of critical equipment to the Site, resulting in ongoing delays to the construction schedule (over four months from the baseline schedule);
- The LADBS building permit process (for Phase 1B wells construction) has been much slower than ordinarily anticipated due to impacts on LADBS staffing/resources resulting from COVID-19 restrictions (possible force majeure: schedule currently pushed out by over three months from the baseline schedule); and,
- LADWP plans to block off Hinds Avenue for construction from March 2022 through December 2022, which will push out the start of LADWP water main relocation and subsequent Phase 2B construction on Hinds Avenue to 2023.

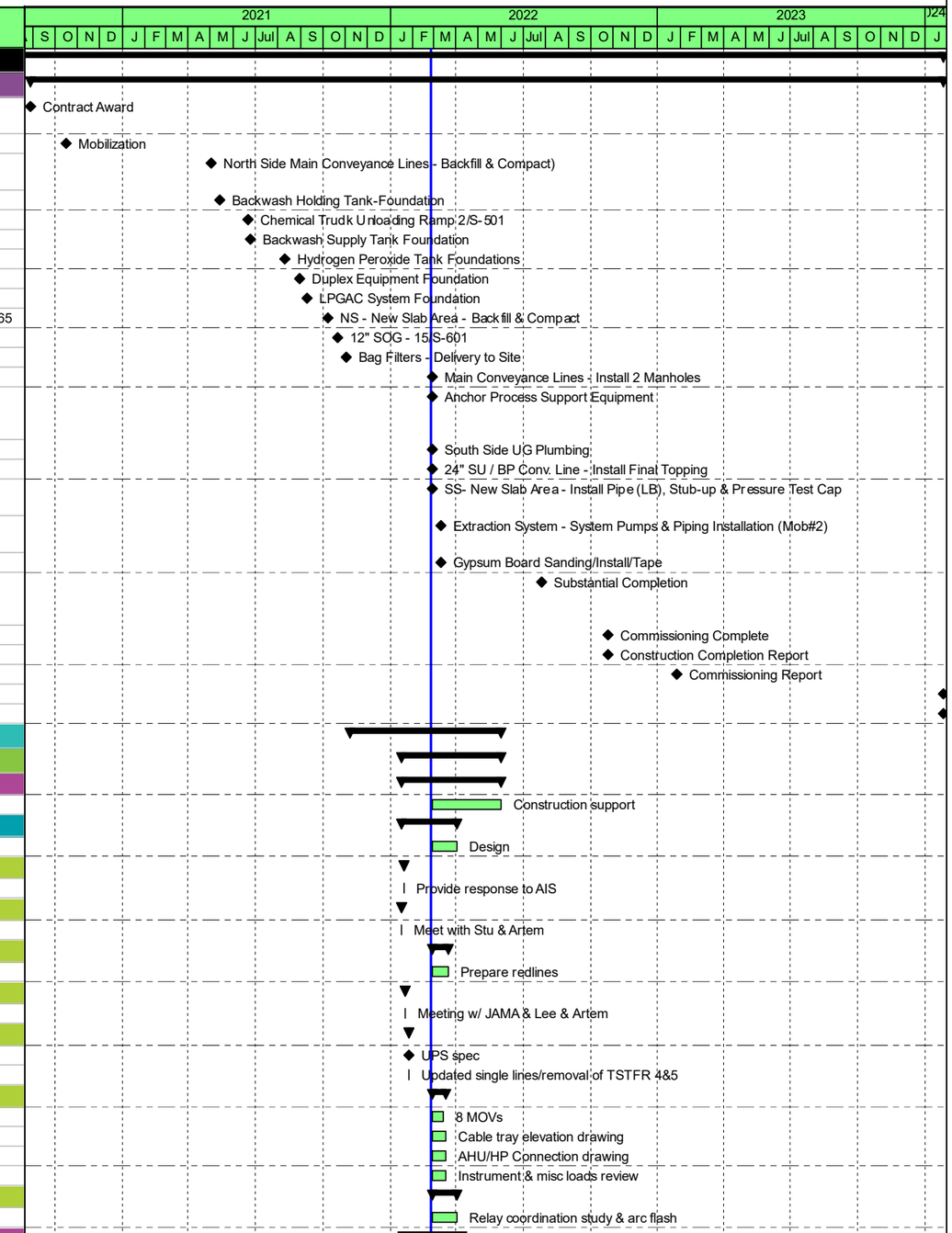
DESIGN CHANGES OF NOTE

- No substantial design changes this month.

HON North Hollywood Operable Unit

Data Date: 26-Feb-22
Print: 11-Mar-22

#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
1	**HON North Hollywood Operable Unit**		1230	485		29-Mar-19 A	25-Jan-24			
2	**Milestones**		863	485		28-Aug-20 A	25-Jan-24			
3	M1	Contract Award	0	0	100%		28-Aug-20 A	☐	PMOB-0005	WTEQ-145A, EIA-1030, CO-0024
4	M2	Mobilization	0	0	100%	16-Oct-20 A		☐	MOB-0005	MOB-0010
5	M3	North Side Main Conveyance Lines - Backfill & Compact)	0	0	100%		02-May-21 A	☐	WTUG-N0015	CN-0020
6	M4	Backwash Holding Tank-Foundation	0	0	100%		13-May-21 A	☐	WTFD-N0070	WTEQ-0005
7	M14	Chemical Trudk Unloading Ramp 2/S-501	0	0	100%		21-Jun-21 A	☐	WTFD-N0030	M8
8	M6	Backwash Supply Tank Foundation	0	0	100%		25-Jun-21 A	☐	WTFD-S0025	WTEQ-0075
9	M15	Hydrogen Peroxide Tank Foundations	0	0	100%		10-Aug-21 A	☐	WTFD-N0040	M8
10	M19	Duplex Equipment Foundation	0	0	100%		30-Aug-21 A	☐	WTFD-N0035	CN-0020
11	M24	LPGAC System Foundation	0	0	100%		10-Sep-21 A	☐		M8
12	M13	NS - New Slab Area - Backfill & Compact	0	0	100%		08-Oct-21 A	☐	WTUG-N0015	WTUG-N0055, WTUG-N0065
13	M17	12" SOG - 15/S-601	0	0	100%		22-Oct-21 A	☐	WTFD-N0060	M8
14	M21	Bag Filters - Delivery to Site	0	0	100%		02-Nov-21 A	☐	WTEQ-135A	CN-0020
15	M22	Main Conveyance Lines - Install 2 Manholes	0	0	0%		28-Feb-22	☐	WTS-0015	WTS-0050
16	M7	Anchor Process Support Equipment	0	0	0%		28-Feb-22	☐	WTFD-N125, A1505, WTFD-N0070, WTFD-N0075, WTFD-N0065	M8
17	M5	South Side UG Plumbing	0	0	0%		28-Feb-22	☐	WTUG-S0010	M8
18	M20	24" SU / BP Conv. Line - Install Final Topping	0	0	0%		28-Feb-22	☐	WTS-0040	CN-0020
19	M23	SS- New Slab Area - Install Pipe (LB), Stub-up & Pressure Test Cap	0	0	0%		28-Feb-22	☐	WTUG-S0010	M8, M8
20	M18	Extraction System - System Pumps & Piping Installation (Mob#2)	0	0	0%		10-Mar-22	☐	GW-EQ0010	M8
21	M25	Gypsum Board Sanding/Install/Tape	0	0	0%		11-Mar-22	☐	WH-0340	
22	M8	Substantial Completion	0	0	0%		26-Jul-22	☑	M23, M23, WTAG-0045, M17, M5, M15, M14, M18, M24, M7, CN-0020, WTEQ-0055,	M12, EPA-1015
23	M9	Commissioning Complete	0	0	0%		24-Oct-22	☑	EIA-9000, EIA-9015	EIA-9010
24	M12	Construction Completion Report	0	0	0%		24-Oct-22	☐	CO-0025, M8	M16
25	M10	Commissioning Report	0	0	0%		27-Jan-23	☐	EIA-9030	CO-0015
26	M16	Project Complete	0	0	0%		25-Jan-24	☑	CO-0006, M11, CO-0015, M12	
27	M11	Operations & Maintenance Complete	0	0	0%		25-Jan-24	☑	CO-0010, EIA-9020, EIA-9045	M16
28	**Electrical Design**		125	66		08-Nov-21 A	01-Jun-22			
29	**Electrical design**		86	66		17-Jan-22 A	01-Jun-22			
30	**Lankershim Yard**		86	66		17-Jan-22 A	01-Jun-22			
31	A4800	Construction support	66	66	0%	28-Feb-22	01-Jun-22	☐		
32	**Design**		45	25		17-Jan-22 A	01-Apr-22			
33	A4610	Design	25	25	0%	28-Feb-22	01-Apr-22	☐		
34	**AIS RFI-127**		1	0		20-Jan-22 A	20-Jan-22 A			
35	A4630	Provide response to AIS	1	0	100%	20-Jan-22 A	20-Jan-22 A	☐		
36	**AIS RFI-126, Cable Schedule**		1	0		17-Jan-22 A	17-Jan-22 A			
37	A4650	Meet with Stu & Artem	1	0	100%	17-Jan-22 A	17-Jan-22 A	☐		
38	**Short Circuit (E-704, E-704-1, E-705)**		16	16		28-Feb-22	21-Mar-22			
39	A4670	Prepare redlines	16	16	0%	28-Feb-22	21-Mar-22	☐		
40	**Cable Tray Elevation Drawing (AIS RFI ??)**		1	0		21-Jan-22 A	21-Jan-22 A			
41	A4690	Meeting w/ JAMA & Lee & Artem	1	0	100%	21-Jan-22 A	21-Jan-22 A	☐		
42	**DCB-029B**		4	0		26-Jan-22 A	26-Jan-22 A			
43	A4710	UPS spec	0	0	100%		26-Jan-22 A	☐		
44	A4720	Updated single lines/removal of TSTFR 4&5	4	0	100%	26-Jan-22 A	26-Jan-22 A	☐		
45	**DCB-029C**		14	14		28-Feb-22	17-Mar-22			
46	A4770	8 MOVs	11	11	0%	28-Feb-22	14-Mar-22	☐		
47	A4740	Cable tray elevation drawing	14	14	0%	28-Feb-22	17-Mar-22	☐		
48	A4750	AHU/HP Connection drawing	14	14	0%	28-Feb-22	17-Mar-22	☐		
49	A4760	Instrument & misc loads review	14	14	0%	28-Feb-22	17-Mar-22	☐		
50	**DCB-033**		25	25		28-Feb-22	01-Apr-22			
51	A4790	Relay coordination study & arc flash	25	25	0%	28-Feb-22*	01-Apr-22	☐		
52	**Well Sites**		30	30		18-Jan-22 A	08-Apr-22			



Remaining LOE | Remaining Work | Milestone
Actual Work | Critical Remaining | Summary

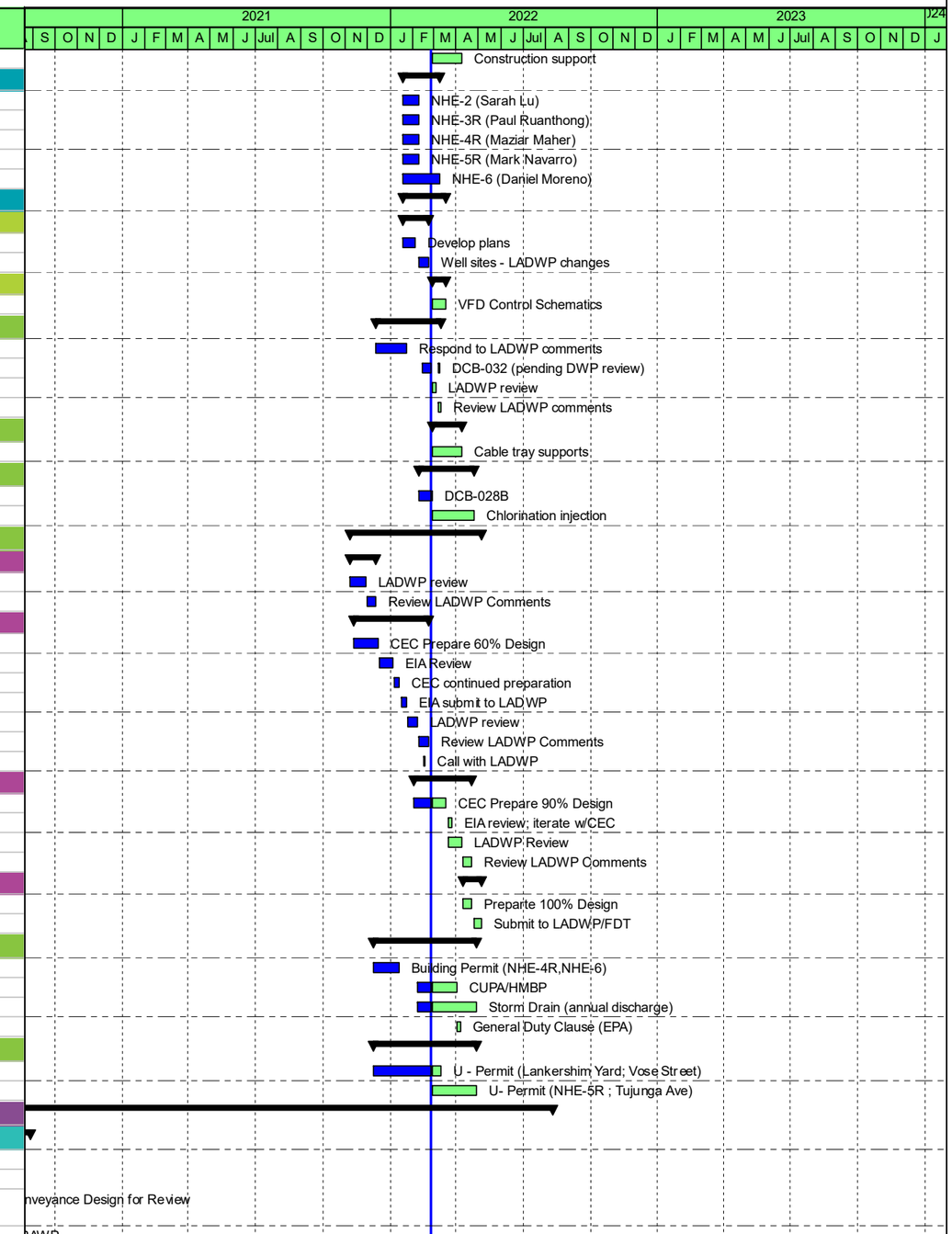
Project ID: 6519200010
TASK filter: All Activities

wood.

HON North Hollywood Operable Unit

Data Date: 26-Feb-22
Print: 11-Mar-22

#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
53	A4940	Construction support	30	30	0%	28-Feb-22	08-Apr-22	☐		
54	**LADWP p-drawings/Service Commitment Letters**		10	0		18-Jan-22 A	09-Mar-22 A			
55	A4830	NHE-2 (Sarah Lu)	10	0	100%	18-Jan-22 A	09-Feb-22 A	☐		
56	A4840	NHE-3R (Paul Ruanthong)	10	0	100%	18-Jan-22 A	09-Feb-22 A	☐		
57	A4850	NHE-4R (Maziar Maher)	6	0	100%	18-Jan-22 A	09-Feb-22 A	☐		
58	A4860	NHE-5R (Mark Navarro)	4	0	100%	18-Jan-22 A	09-Feb-22 A	☐		
59	A4870	NHE-6 (Daniel Moreno)	7	0	100%	18-Jan-22 A	09-Mar-22 A	☐		
60	**Design**		15	15		18-Jan-22 A	18-Mar-22			
61	**DCB-019B (update/re-release MEC, ELE, &STR)**		14	0		18-Jan-22 A	23-Feb-22 A			
62	A4910	Develop plans	10	0	100%	18-Jan-22 A	04-Feb-22 A	☐		
63	A4900	Well sites - LADWP changes	14	0	100%	10-Feb-22 A	23-Feb-22 A	☐		
64	**DCB-019C**		15	15		28-Feb-22	18-Mar-22			
65	A4930	VFD Control Schematics	15	15	0%	28-Feb-22	18-Mar-22	☐		
66	**Security design**		38	10		13-Dec-21 A	11-Mar-22			
67	A4960	Respond to LADWP comments	27	0	100%	13-Dec-21 A	24-Jan-22 A	☐		A4970
68	A4990	DCB-032 (pending DWP review)	1	3	0%	14-Feb-22 A	09-Mar-22	☐	A4980	
69	A4970	LADWP review	5	5	0%	28-Feb-22	04-Mar-22	☐	A4960	A4980
70	A4980	Review LADWP comments	5	5	0%	07-Mar-22	11-Mar-22*	☐	A4970	A4990
71	**Structural (w/JAMA)**		30	30		28-Feb-22	08-Apr-22			
72	A5010	Cable tray supports	30	30	0%	28-Feb-22	08-Apr-22	☐		
73	**Process**		41	40		10-Feb-22 A	25-Apr-22			
74	A5040	DCB-028B	1	0	100%	10-Feb-22 A	28-Feb-22	☐		A5045
75	A5045	Chlorination injection	40	40	0%	28-Feb-22	25-Apr-22	☐	A5040	A1530A
76	**PLC/HMI Programming Design**		105	48		08-Nov-21 A	05-May-22			
77	**30% Design**		26	0		08-Nov-21 A	13-Dec-21 A			
78	A5050	LADWP review	16	0	100%	08-Nov-21 A	29-Nov-21 A	☐		A5070, A5055
79	A5070	Review LADWP Comments	10	0	100%	30-Nov-21 A	13-Dec-21 A	☐	A5050	
80	**60% Design**		71	0		12-Nov-21 A	22-Feb-22 A			
81	A5055	CEC Prepare 60% Design	25	0	100%	12-Nov-21 A	16-Dec-21 A	☐	A5050	A5075
82	A5075	EIA Review	10	0	100%	17-Dec-21 A	05-Jan-22 A	☐	A5055	A5080
83	A5080	CEC continued preparation	7	0	100%	06-Jan-22 A	14-Jan-22 A	☐	A5075	A5085
84	A5085	EIA submit to LADWP	6	0	100%	17-Jan-22 A	24-Jan-22 A	☐	A5080	A5090
85	A5090	LADWP review	11	0	100%	25-Jan-22 A	08-Feb-22 A	☐	A5085	A5095, A5060
86	A5100	Review LADWP Comments	10	0	100%	09-Feb-22 A	22-Feb-22 A	☐	A5095	
87	A5095	Call with LADWP	2	0	100%	16-Feb-22 A	17-Feb-22 A	☐	A5090	A5100
88	**90% Design**		90	39		03-Feb-22 A	22-Apr-22			
89	A5060	CEC Prepare 90% Design	32	15	0%	03-Feb-22 A	18-Mar-22	☐	A5090	A5105
90	A5105	EIA review; iterate w/CEC	5	5	0%	21-Mar-22	25-Mar-22	☐	A5060	A5110
91	A5110	LADWP Review	15	15	0%	21-Mar-22	08-Apr-22	☐	A5105	A5115, A5065
92	A5115	Review LADWP Comments	9	9	0%	11-Apr-22	22-Apr-22	☐	A5110	
93	**100% Design**		18	18		11-Apr-22	05-May-22			
94	A5065	Preparte 100% Design	9	9	0%	11-Apr-22	22-Apr-22	☐	A5110	A5120
95	A5120	Submit to LADWP/FDT	9	9	0%	25-Apr-22	05-May-22	☐	A5065	A1530A
96	**Permitting Wood**		79	44		10-Dec-21 A	29-Apr-22			
97	A5124	Building Permit (NHE-4R,NHE-6)	40	0	100%	10-Dec-21 A	13-Jan-22 A	☐		
98	A5125	CUPA/HMBP	40	25	0%	07-Feb-22 A	01-Apr-22	☐		
99	A5130	Storm Drain (annual discharge)	60	44	0%	07-Feb-22 A	29-Apr-22	☐		
100	A5135	General Duty Clause (EPA)	5	5	0%	01-Apr-22*	07-Apr-22	☐		
101	**Permiting LADWP**		44	44		10-Dec-21 A	29-Apr-22			
102	A5140	U - Permit (Lankershim Yard; Vose Street)	44	10	0%	10-Dec-21 A	11-Mar-22	☐		
103	A5145	U- Permit (NHE-5R ; Tujunga Ave)	44	44	0%	28-Feb-22	29-Apr-22	☐		
104	**Regulatory Submittals & Approvals (Wood)**		821	116		29-Mar-19 A	11-Aug-22			
105	**Pre-Construction Regulatory Submittals & Approvals (EI**		366	0		29-Mar-19 A	28-Aug-20 A			
106	EIA-1000	Submit 90% Design & RAWP	0	0	100%	29-Mar-19 A		☐	CAR-1010	LADWP-1000
107	LADWP-1000	EPA & LADWP Review	90	0	100%	29-Mar-19 A	02-Aug-19 A	☐	EIA-1000	CAR-1000
108	CAR-1000	Submit Final RAWP & Storm Drain Conveyance Design for Review	44	0	100%	02-Aug-19 A	03-Oct-19 A	☐	LADWP-1000	EPA-1000
109	EPA-1000	EPA Review & Comment Final RAWP	37	0	100%	03-Oct-19 A	25-Nov-19 A	☐	CAR-1010, CAR-1000	CAR-1005



Remaining LOE | Remaining Work | Milestone
Actual Work | Critical Remaining | Summary

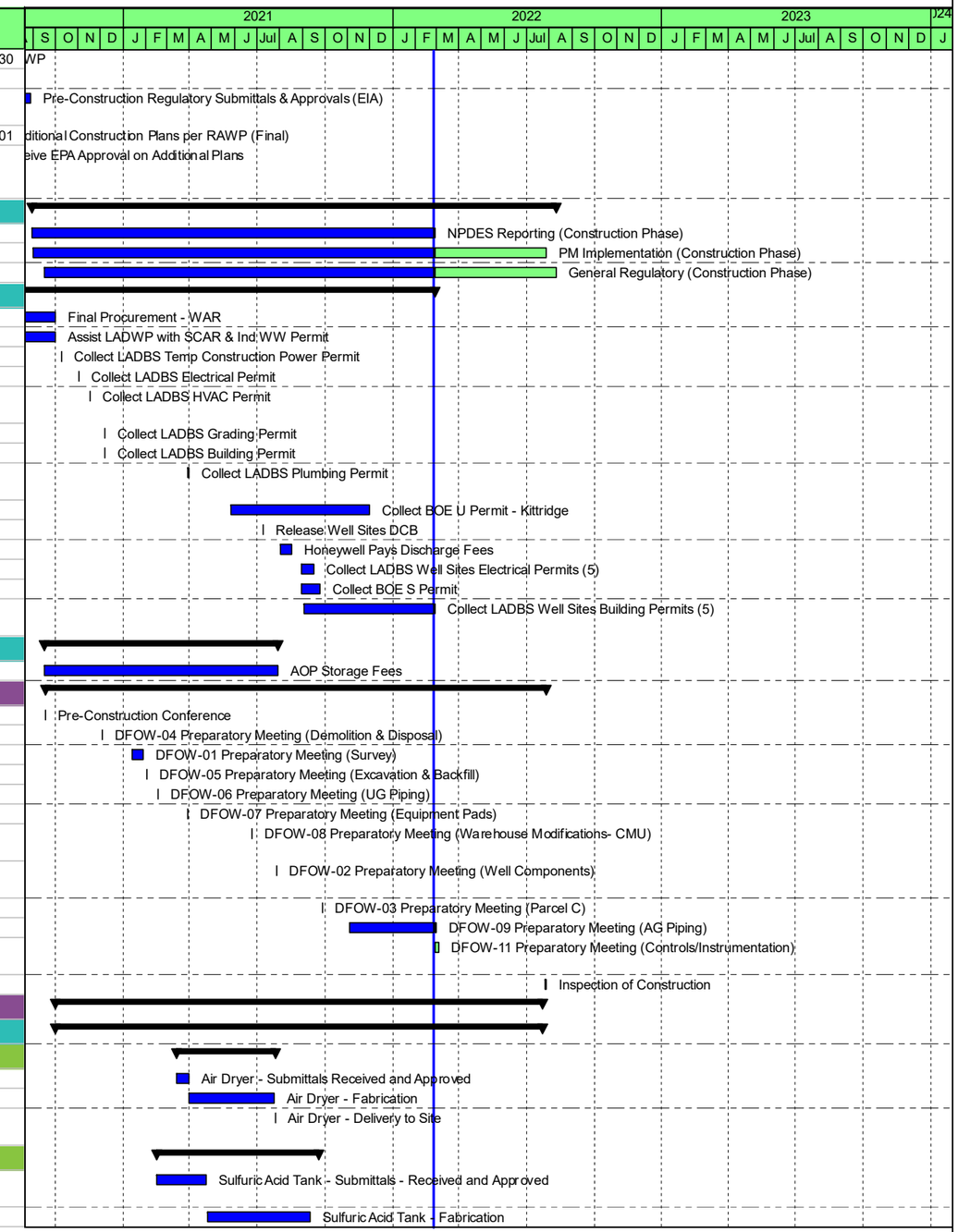
Project ID: 6519200010
TASK filter: All Activities

wood.

HON North Hollywood Operable Unit

Data Date: 26-Feb-22
Print: 11-Mar-22

#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
110	CAR-1005	Revise and Submit Final RAWP	20	0	100%	22-Nov-19 A	23-Dec-19 A	☐	EPA-1000, EPA-1005	EIA-1020, EIA-1025, EIA-1030
111	EPA-1005	EPA Comments Received	0	0	100%		25-Nov-19 A	☐		CAR-1005
112	EIA-1030	Pre-Construction Regulatory Submittals & Approvals (EIA)	125	0	100%	04-Mar-20 A	28-Aug-20 A	☐	CAR-1005, M1	EIA-1005
113	CAR-1010	Submit Additional Construction Plans per RAWP (Fin	0	0	100%	15-May-20 A		☐		EIA-1000, EPA-1000, EPA-101
114	EPA-1010	Receive EPA Approval on Additional Plans	0	0	100%	01-Jul-20 A		☐	CAR-1010	MOB-0005, CAR-1025, CAR-1030, CAR-1040, CAR-1015, CAR-1020,
115	**Construction Regulatory Submittals & Approvals (EIA)**		454	116		31-Aug-20 A	11-Aug-22			
116	EIA1015	NPDES Reporting (Construction Phase)	347	0	80%	31-Aug-20 A	28-Feb-22	☐		EIA-9000
117	EIA1010	PM Implementation (Construction Phase)	443	105	80%	31-Aug-20 A	27-Jul-22	☐	CN-0020	CO-0010
118	EIA1005	General Regulatory (Construction Phase)	443	116	80%	16-Sep-20 A	11-Aug-22	☐	CN-0020	CO-0006, EIA-1035
119	**Permitting & Procurement (Priority)**		463	0		04-Mar-20 A	28-Feb-22			
120	EIA-1025	Final Procurement - WAR	149	0	100%	04-Mar-20 A	02-Oct-20 A	☐	CAR-1005	MOB-0005
121	EIA-1020	Assist LADWP with SCAR & Ind WW Permit	149	0	100%	04-Mar-20 A	02-Oct-20 A	☐	CAR-1005	CAR-1015, CAR-1020
122	CAR-1025	Collect LADBS Temp Construction Power Permit	1	0	100%	09-Oct-20 A	09-Oct-20 A	☐	EPA-1010	MOB-0005, CAR-1030
123	CAR-1030	Collect LADBS Electrical Permit	1	0	100%	02-Nov-20 A	02-Nov-20 A	☐	EPA-1010, CAR-1025	WTUG-N0020, CAR-1040
124	CAR-1040	Collect LADBS HVAC Permit	1	0	100%	17-Nov-20 A	17-Nov-20 A	☐	EPA-1010, CAR-1030	WH-0170, WH-0285, WH-0195, WH-0185
125	CAR-1020	Collect LADBS Grading Permit	1	0	100%	08-Dec-20 A	08-Dec-20 A	☐	EPA-1010, EIA-1020	CAR-1035
126	CAR-1015	Collect LADBS Building Permit	1	0	100%	08-Dec-20 A	08-Dec-20 A	☐	EPA-1010, EIA-1020	CAR-1035
127	CAR-1035	Collect LADBS Plumbing Permit	1	0	100%	30-Mar-21 A	30-Mar-21 A	☐	CAR-1020, CAR-1015	CAR-1055A, WTS-0005, WTUG-N0011
128	CAR-1050A	Collect BOE U Permit - Kittridge	131	0	100%	27-May-21 A	01-Dec-21 A	☐		
129	CAR-1055A5	Release Well Sites DCB	1	0	100%	09-Jul-21 A	09-Jul-21 A	☐		CAR-1060A, CAR-1055A
130	CAR-1045A5	Honeywell Pays Discharge Fees	12	0	100%	02-Aug-21 A	17-Aug-21 A	☐		CAR-1045A
131	CAR-1060A	Collect LADBS Well Sites Electrical Permits (5)	14	0	100%	30-Aug-21 A	17-Sep-21 A	☐	CAR-1055A5	WTS-0050
132	CAR-1045A	Collect BOE S Permit	19	0	100%	30-Aug-21 A	24-Sep-21 A	☐	CAR-1045A5	WTS-0050
133	CAR-1055A	Collect LADBS Well Sites Building Permits (5)	83	0	0%	02-Sep-21 A	28-Feb-22	☐	CAR-1055A5, CAR-1035	WTS-0050, GW-DM0010, GW-EQ20
134	**AOP Storage Fees**		220	0		16-Sep-20 A	29-Jul-21 A			
135	EIA-1035	AOP Storage Fees	220	0	100%	16-Sep-20 A	29-Jul-21 A	☐	EIA1005	
136	**Prepatory Meetings**		470	105		18-Sep-20 A	27-Jul-22			
137	EIA-1005	Pre-Construction Conference	1	0	100%	18-Sep-20 A	18-Sep-20 A	☐	EPA-1010, EIA-1030	MOB-0005
138	DEMO-0013	DFOW-04 Preparatory Meeting (Demolition & Dispo	1	0	100%	04-Dec-20 A	04-Dec-20 A	☐	MOB-0005	DEMO-0020
139	MOB-0008	DFOW-01 Preparatory Meeting (Survey)	13	0	100%	13-Jan-21 A	29-Jan-21 A	☐	MOB-0010	MOB-0020
140	WTUG-N0085	DFOW-05 Preparatory Meeting (Excavation & Backf	1	0	100%	02-Feb-21 A	02-Feb-21 A	☐	MOB-0005	WTUG-N0005
141	WTUG-N0095	DFOW-06 Preparatory Meeting (UG Piping)	1	0	100%	17-Feb-21 A	17-Feb-21 A	☐	MOB-0005	WTUG-N0010
142	WTFD-N105	DFOW-07 Preparatory Meeting (Equipment Pads)	1	0	100%	29-Mar-21 A	29-Mar-21 A	☐	WTFD-N104	
143	WH-0002	DFOW-08 Preparatory Meeting (Warehouse Modifications- CMU)	1	0	100%	25-Jun-21 A	25-Jun-21 A	☐	WTS-0034, MOB-0005	WH-460A
144	GW-DM0020	DFOW-02 Preparatory Meeting (Well Components)	1	0	100%	28-Jul-21 A	28-Jul-21 A	☐	MOB-0005	GW-EX0005, GW-SW0025, GW-EQ0010
145	WTS-0034	DFOW-03 Preparatory Meeting (Parcel C)	1	0	100%	27-Sep-21 A	27-Sep-21 A	☐	MOB-0005	WH-0002
146	WTEQ-0008	DFOW-09 Preparatory Meeting (AG Piping)	41	1	0%	03-Nov-21 A	28-Feb-22	☐		M8, CN-0020
147	WTAG-0045	DFOW-11 Preparatory Meeting (Controls/Instrumentation)	5	5	0%	28-Feb-22	04-Mar-22	☐	WH-470A	M8
148	EPA-1015	Inspection of Construction	1	1	0%	27-Jul-22	27-Jul-22	☑	CN-0020, M8	EIA-9000, AIS-9000
149	**Procurement**		458	102		01-Oct-20 A	22-Jul-22			
150	**Equipment Deliveries**		458	102		01-Oct-20 A	22-Jul-22			
151	**ProtectoSeal**		94	0		15-Mar-21 A	27-Jul-21 A			
152	WTEQ-0095	Air Dryer - Submittals Received and Approved	13	0	100%	15-Mar-21 A	31-Mar-21 A	☐		WTEQ-125A, M8, CN-0020
153	WTEQ-125A	Air Dryer - Fabrication	80	0	100%	01-Apr-21 A	25-Jul-21 A	☐	WTEQ-0095	WTEQ-130A
154	WTEQ-130A	Air Dryer - Delivery to Site	2	0	100%	26-Jul-21 A	27-Jul-21 A	☐	WTFD-N0060, WTFD-N125A, WTEQ-125A	WTAG-0005
155	**Modern Custom Fabrication**		155	0		16-Feb-21 A	23-Sep-21 A			
156	WTEQ-0110	Sulfuric Acid Tank - Submittals - Received and Approved	48	0	100%	16-Feb-21 A	23-Apr-21 A	☐	MOB-0005	WTEQ-0080
157	WTEQ-0080	Sulfuric Acid Tank - Fabrication	98	0	100%	26-Apr-21 A	10-Sep-21 A	☐	WTEQ-0110	WTEQ-0055



Remaining LOE | Remaining Work | Milestone
Actual Work | Critical Remaining | Summary

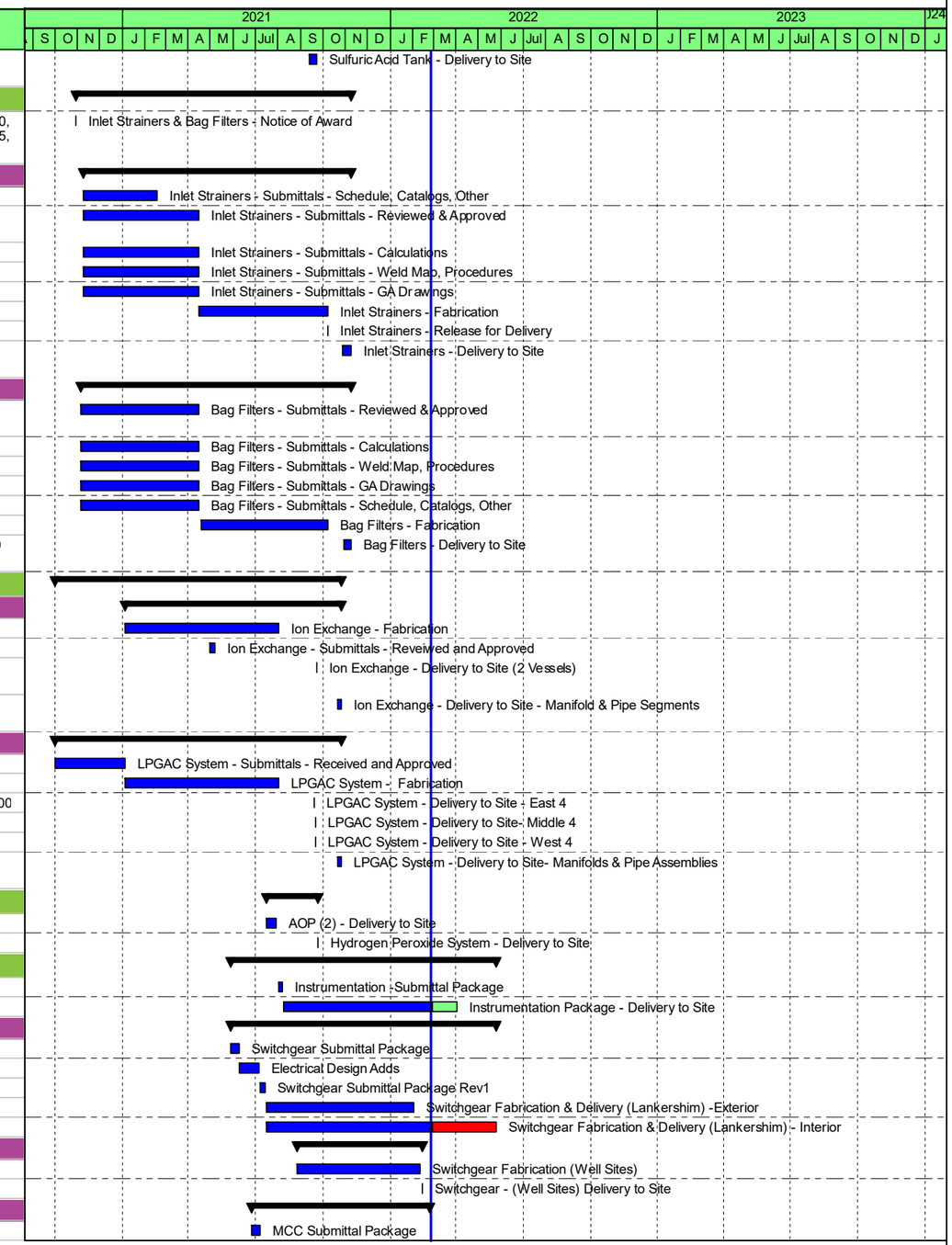
Project ID: 6519200010
TASK filter: All Activities

wood.

HON North Hollywood Operable Unit

Data Date: 26-Feb-22
Print: 11-Mar-22

#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
158	WTEQ-0055	Sulfuric Acid Tank - Delivery to Site	9	0	100%	13-Sep-21 A	23-Sep-21 A	☐	WTFD-N0060, WTFD-S0025, WTEQ-0080, WTFD-N125A	WTEQ-0060, M8, CN-0020
159	**Rosedale**		260	0		29-Oct-20 A	08-Nov-21 A			
160	RP-1000	Inlet Strainers & Bag Filters - Notice of Award	1	0	100%	29-Oct-20 A	29-Oct-20 A	☐	PMOB-0005, PMOB-0010	RP-1010, RP-1015, RP-1020, RP-1005, RP-1030, RP-1035, RP-1040, RP-1045
161	**Inlet Strainers**		253	0		09-Nov-20 A	08-Nov-21 A			
162	RP-1005	Inlet Strainers - Submittals - Schedule, Catalogs, Oth	68	0	100%	09-Nov-20 A	17-Feb-21 A	☐	RP-1000	RP-1025
163	RP-1025	Inlet Strainers - Submittals - Reviewed & Approved	108	0	100%	09-Nov-20 A	15-Apr-21 A	☐	RP-1005, RP-1010, RP-1015, RP-1020	RP-0085A
164	RP-1020	Inlet Strainers - Submittals - Calculations	108	0	100%	09-Nov-20 A	15-Apr-21 A	☐	RP-1000	RP-1025
165	RP-1015	Inlet Strainers - Submittals - Weld Map, Procedures	108	0	100%	09-Nov-20 A	15-Apr-21 A	☐	RP-1000	RP-1025
166	RP-1010	Inlet Strainers - Submittals - GA Drawings	108	0	100%	09-Nov-20 A	15-Apr-21 A	☐	RP-1000	RP-1025
167	RP-0085A	Inlet Strainers - Fabrication	123	0	100%	16-Apr-21 A	08-Oct-21 A	☐	RP-1025	WTEQ-0060
168	WTEQ-0085	Inlet Strainers - Release for Delivery	0	0	100%	08-Oct-21 A	08-Oct-21 A	☐		
169	WTEQ-0060	Inlet Strainers - Delivery to Site	7	0	100%	29-Oct-21 A	08-Nov-21 A	☐	WTEQ-0055, WTFD-N0035, RP-0085A	WTEQ-135A, WTAG-0005, WTAG-90, CN-0020
170	**Bag Filters**		254	0		06-Nov-20 A	08-Nov-21 A			
171	RP-1050	Bag Filters - Submittals - Reviewed & Approved	109	0	100%	06-Nov-20 A	15-Apr-21 A	☐	RP-1030, RP-1035, RP-1040, RP-1045	WTEQ-140A, WTEQ-140A, WTEQ-110
172	RP-1045	Bag Filters - Submittals - Calculations	109	0	100%	06-Nov-20 A	15-Apr-21 A	☐	RP-1000	RP-1050
173	RP-1040	Bag Filters - Submittals - Weld Map, Procedures	109	0	100%	06-Nov-20 A	15-Apr-21 A	☐	RP-1000	RP-1050
174	RP-1035	Bag Filters - Submittals - GA Drawings	109	0	100%	06-Nov-20 A	15-Apr-21 A	☐	RP-1000	RP-1050
175	RP-1030	Bag Filters - Submittals - Schedule, Catalogs, Other	109	0	100%	06-Nov-20 A	15-Apr-21 A	☐	RP-1000	RP-1050
176	WTEQ-110	Bag Filters - Fabrication	122	0	100%	19-Apr-21 A	08-Oct-21 A	☐	RP-1050	WTEQ-135A
177	WTEQ-135A	Bag Filters - Delivery to Site	7	0	100%	29-Oct-21 A	08-Nov-21 A	☐	WTEQ-0060, WTFD-N0035, WTEQ-110	M21, WTAG-0005, CN-0020
178	**Calgon Carbon**		271	0		01-Oct-20 A	26-Oct-21 A			
179	**Ion Exchange**		208	0		05-Jan-21 A	26-Oct-21 A			
180	WTEQ-0090	Ion Exchange - Fabrication	148	0	100%	05-Jan-21 A	02-Aug-21 A	☐	PMOB-0005, PMOB-0010	WTEQ-0065
181	WTEQ-140A	Ion Exchange - Submittals - Reveiwed and Approved	5	0	100%	30-Apr-21 A	06-May-21 A	☐	RP-1050, RP-1050	WTEQ-0065
182	WTEQ-0065	Ion Exchange - Delivery to Site (2 Vessels)	0	0	100%	23-Sep-21 A	23-Sep-21 A	☐	WTFD-N0040, WTEQ-140A, WTEQ-0090	WTAG-110
183	WTEQ-135	Ion Exchange - Delivery to Site - Manifold & Pipe Segments	4	0	100%	21-Oct-21 A	26-Oct-21 A	☐		
184	**LPGAC System**		271	0		01-Oct-20 A	26-Oct-21 A			
185	WTEQ-145A	LPGAC System - Submittals - Received and Approve	63	0	100%	01-Oct-20 A	04-Jan-21 A	☐	M1	WTEQ-120
186	WTEQ-115	LPGAC System - Fabrication	148	0	100%	05-Jan-21 A	02-Aug-21 A	☐	PMOB-0005, PMOB-0010	WTEQ-120
187	WTEQ-120	LPGAC System - Delivery to Site - East 4	0	0	100%	20-Sep-21 A	20-Sep-21 A	☐	WTEQ-145A, WTEQ-115	WTAG-115, WTAG-30, CN-00
188	WTEQ-125	LPGAC System - Delivery to Site- Middle 4	0	0	100%	21-Sep-21 A	21-Sep-21 A	☐		
189	WTEQ-130	LPGAC System - Delivery to Site - West 4	0	0	100%	22-Sep-21 A	22-Sep-21 A	☐		
190	WTEQ-140	LPGAC System - Delivery to Site- Manifolds & Pipe Assemblies	4	0	100%	21-Oct-21 A	26-Oct-21 A	☐		WTAG-30
191	**Trojan**		49	0		16-Jul-21 A	24-Sep-21 A			
192	WTEQ-0070	AOP (2) - Delivery to Site	11	0	100%	16-Jul-21 A	30-Jul-21 A	☐	WTFD-N0085	WTEQ-180A, WTEQ-150A
193	WTEQ-150A	Hydrogen Peroxide System - Delivery to Site	0	0	100%	24-Sep-21 A	24-Sep-21 A	☐	WTEQ-0070	WTAG-0005, CN-0020
194	**AIS**		186	62		28-May-21 A	25-May-22			
195	A4000	Instrumentation -Submittal Package	5	0	100%	02-Aug-21 A	06-Aug-21 A	☐		A1535A
196	A1535A	Instrumentation Package - Delivery to Site	123	25	84%	09-Aug-21 A	01-Apr-22	☐	A4000	WTAG-135A
197	**Switchgear (Lankershim)**		169	62		28-May-21 A	25-May-22			
198	A2000	Switchgear Submittal Package	8	0	100%	28-May-21 A	09-Jun-21 A	☐		A4005
199	A4005	Electrical Design Adds	20	0	100%	10-Jun-21 A	07-Jul-21 A	☐	A2000	A2000.1, A2030, A3020
200	A2000.1	Switchgear Submittal Package Rev1	6	0	100%	08-Jul-21 A	15-Jul-21 A	☐	A4005	A2010
201	A2010	Switchgear Fabrication & Delivery (Lankershim) -Ext	135	0	100%	16-Jul-21 A	03-Feb-22 A	☐	A2000.1	WTAG-0030, WTAG-0031
202	A4580	Switchgear Fabrication & Delivery (Lankershim) - Int	135	62	72%	16-Jul-21 A	25-May-22	☑		WTAG-0031
203	**Switchgear (Well Sites)**		117	0		27-Aug-21 A	14-Feb-22 A			
204	A4120	Switchgear Fabrication (Well Sites)	116	0	100%	27-Aug-21 A	11-Feb-22 A	☐		A4110
205	A4110	Switchgear - (Well Sites) Delivery to Site	0	0	100%	14-Feb-22 A	14-Feb-22 A	☐	A4120	WTAG-0030
206	**MCC**		161	0		27-Jun-21 A	24-Feb-22 A			
207	A2030	MCC Submittal Package	9	0	100%	27-Jun-21 A	08-Jul-21 A	☐	A4005	A2040



Remaining LOE | Remaining Work | Milestone
Actual Work | Critical Remaining | Summary

Project ID: 6519200010
TASK filter: All Activities

wood.

HON North Hollywood Operable Unit

Data Date: 26-Feb-22
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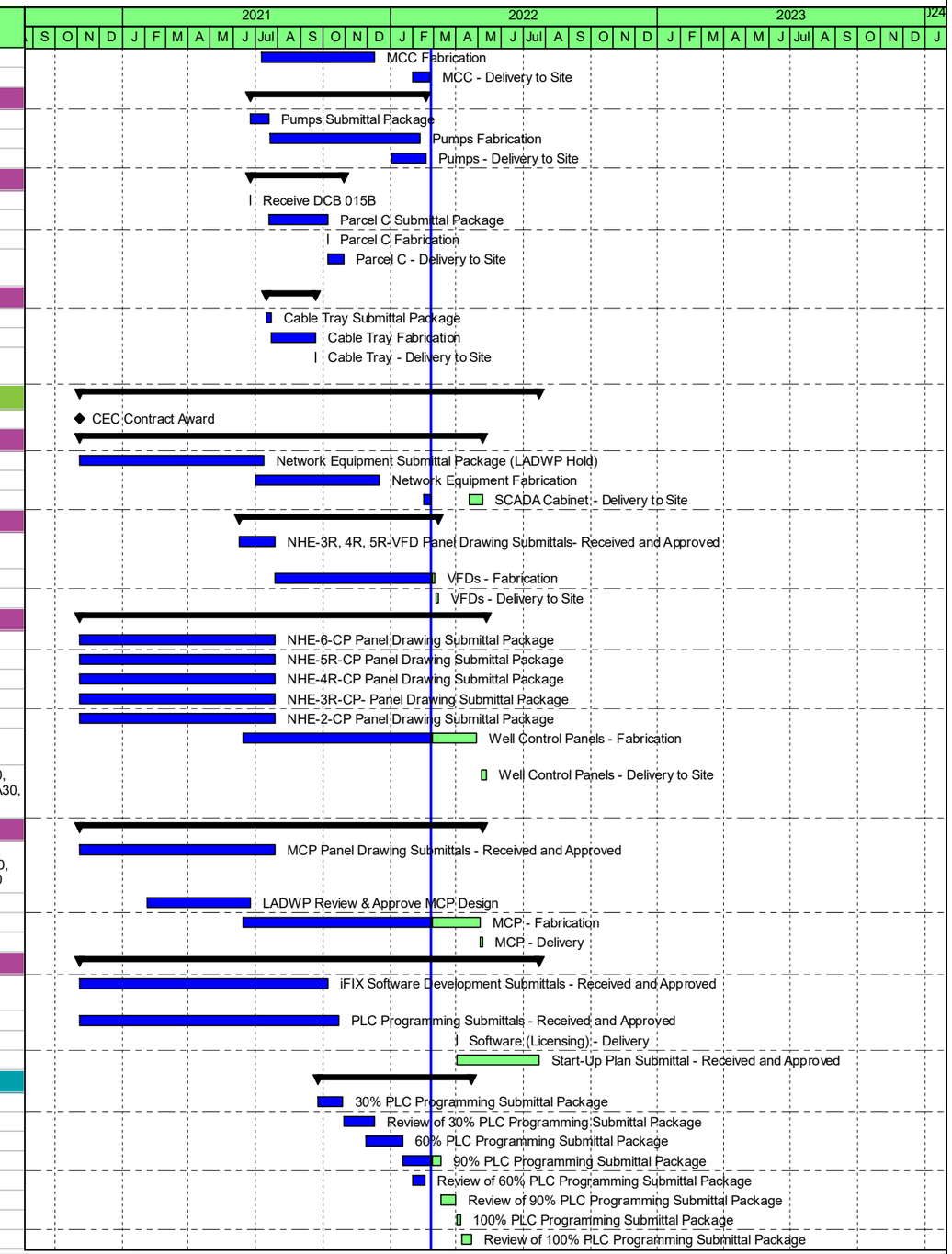
#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
208	A2040	MCC Fabrication	108	0	100%	09-Jul-21 A	10-Dec-21 A	☐	A2030	A2050
209	A2050	MCC - Delivery to Site	10	0	100%	31-Jan-22 A	24-Feb-22 A	☐	A2040	WH-0185
210	**Pumps**		167	0		25-Jun-21 A	18-Feb-22 A			
211	A2060	Pumps Submittal Package	18	0	100%	25-Jun-21 A	20-Jul-21 A	☐		A2070
212	A2070	Pumps Fabrication	144	0	100%	21-Jul-21 A	11-Feb-22 A	☐	A2060	A2080
213	A2080	Pumps - Delivery to Site	5	0	100%	03-Jan-22 A	18-Feb-22 A	☐	WTFD-S0050, A2070	WTAG-0010
214	**Parcel C**		91	0		24-Jun-21 A	29-Oct-21 A			
215	A4010	Receive DCB 015B	1	0	100%	24-Jun-21 A	24-Jun-21 A	☐		A3000
216	CN-20	Parcel C Submittal Package	57	0	100%	20-Jul-21 A	08-Oct-21 A	☐		A3000
217	A3000	Parcel C Fabrication	0	0	100%	08-Oct-21 A	08-Oct-21 A	☐	A4010, CN-20	A3010
218	A3010	Parcel C - Delivery to Site	16	0	100%	08-Oct-21 A	29-Oct-21 A	☐	A3000	WTS-90A, WTS-70A, WTS-0035
219	**Cable Tray**		48	0		16-Jul-21 A	22-Sep-21 A			
220	A3020	Cable Tray Submittal Package	5	0	100%	16-Jul-21 A	22-Jul-21 A	☐	A4005	A3030
221	A3030	Cable Tray Fabrication	42	0	100%	23-Jul-21 A	21-Sep-21 A	☐	A3020	A3040
222	A3040	Cable Tray - Delivery to Site	1	0	100%	22-Sep-21 A	22-Sep-21 A	☐	A3030	WH-470A, WTAG-125A, WTAG-130A
223	**CEC**		434	102		03-Nov-20 A	22-Jul-22			
224	A1010	CEC Contract Award	0	0	100%		03-Nov-20 A	☐	PMOB-0010	A1135
225	**Network Equipment**		376	15		04-Nov-20 A	06-May-22			
226	A1135	Network Equipment Submittal Package (LADWP Hc	173	0	100%	04-Nov-20 A	13-Jul-21 A	☐	A1010, A1000	A1520A, A1470
227	A1520A	Network Equipment Fabrication	119	0	100%	01-Jul-21 A	17-Dec-21 A	☐	A1135	WTEQ-0105
228	WTEQ-0105	SCADA Cabinet - Delivery to Site	15	15	60%	16-Feb-22 A	06-May-22	☐	A1520A, A1470	WTAG-0055
229	**VFD**		190	6		09-Jun-21 A	07-Mar-22			
230	A1090	NHE-3R, 4R, 5R-VFD Panel Drawing Submittals-Received and Approved	36	0	100%	09-Jun-21 A	28-Jul-21 A	☐	A1000	A1440, A1440
231	A1440	VFDs - Fabrication	126	4	95%	28-Jul-21 A	03-Mar-22	☐	A1090, A1000, A1090	A1525A, WTAG-0050
232	A1525A	VFDs - Delivery to Site	2	2	0%	04-Mar-22	07-Mar-22	☐	A1440	
233	**Well Control Panel**		385	53		04-Nov-20 A	12-May-22			
234	A1075	NHE-6-CP Panel Drawing Submittal Package	184	0	100%	04-Nov-20 A	28-Jul-21 A	☐	A1000	A1060
235	A1060	NHE-5R-CP Panel Drawing Submittal Package	184	0	100%	04-Nov-20 A	28-Jul-21 A	☐	A1075	A1045
236	A1045	NHE-4R-CP Panel Drawing Submittal Package	184	0	100%	04-Nov-20 A	28-Jul-21 A	☐	A1060	A1470
237	A1030	NHE-3R-CP- Panel Drawing Submittal Package	184	0	100%	04-Nov-20 A	28-Jul-21 A	☐	A1000	A1470
238	A1015	NHE-2-CP Panel Drawing Submittal Package	184	0	100%	04-Nov-20 A	28-Jul-21 A	☐	A1000	A1510A, A1470
239	A1470	Well Control Panels - Fabrication	200	44	85%	15-Jun-21 A	29-Apr-22	☐	A1045, A1000, A1015, A1030, A1135	A1530A, WTAG-0050, WTEQ-0105
240	A1530A	Well Control Panels - Delivery to Site	5	5	0%	06-May-22	12-May-22	☐	A1470, A4100, A5120, A5045	GW-SW25A, GW-SW25A10, GW-SW25A20, GW-SW25A30, GW-SW25A40
241	**Main Control Panel**		381	49		04-Nov-20 A	06-May-22			
242	A1000	MCP Panel Drawing Submittals - Received and Approved	184	0	100%	04-Nov-20 A	28-Jul-21 A	☐	PMOB-0010	A1440, A1005, WTEQ-0100, A1015, A1030, A1075, A1090, A1135, A1150, A1185, A1470
243	A1005	LADWP Review & Approve MCP Design	100	0	100%	03-Feb-21 A	24-Jun-21 A	☐	A1000	WTEQ-0100
244	WTEQ-0100	MCP - Fabrication	145	46	85%	15-Jun-21 A	03-May-22	☐	A1005, A1000	WTEQ-165A
245	WTEQ-165A	MCP - Delivery	3	3	0%	04-May-22	06-May-22	☐	WTEQ-0100, A4100	WTAG-0070
246	**Programming**		434	102		04-Nov-20 A	22-Jul-22			
247	A1185	iFIX Software Development Submittals - Received and Approved	234	0	100%	04-Nov-20 A	08-Oct-21 A	☐	A1000	A1450
248	A1150	PLC Programming Submittals - Received and Appro	245	0	100%	04-Nov-20 A	22-Oct-21 A	☐	A1000	A1450, A1230
249	A1450	Software (Licensing) - Delivery	1	1	0%	01-Apr-22	01-Apr-22	☐	A4055, A1185, A1150	WTAG-0055
250	A1230	Start-Up Plan Submittal - Received and Approved	78	78	0%	01-Apr-22	22-Jul-22	☐	A4055, A1150	
251	**PLC**		147	39		24-Sep-21 A	22-Apr-22			
252	A4025	30% PLC Programming Submittal Package	24	0	100%	24-Sep-21 A	28-Oct-21 A	☐		A4030, A4060
253	A4030	Review of 30% PLC Programming Submittal Packag	28	0	100%	29-Oct-21 A	10-Dec-21 A	☐	A4025	A4040
254	A4040	60% PLC Programming Submittal Package	24	0	100%	29-Nov-21 A	19-Jan-22 A	☐	A4030	A4050, A4075, A4045
255	A4050	90% PLC Programming Submittal Package	12	9	0%	19-Jan-22 A	10-Mar-22	☐	A4040	A4055, A4090
256	A4045	Review of 60% PLC Programming Submittal Packag	15	0	100%	31-Jan-22 A	17-Feb-22 A	☐	A4040	
257	A4055	Review of 90% PLC Programming Submittal Packag	15	15	0%	11-Mar-22	31-Mar-22	☐	A4050	A1450, A1230, A4070
258	A4070	100% PLC Programming Submittal Package	5	5	0%	01-Apr-22	07-Apr-22	☐	A4055	A4085, A4115
259	A4085	Review of 100% PLC Programming Submittal Packa	10	10	0%	08-Apr-22	22-Apr-22	☐	A4070	



Remaining LOE | Remaining Work | ◆ Milestone
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HON North Hollywood Operable Unit

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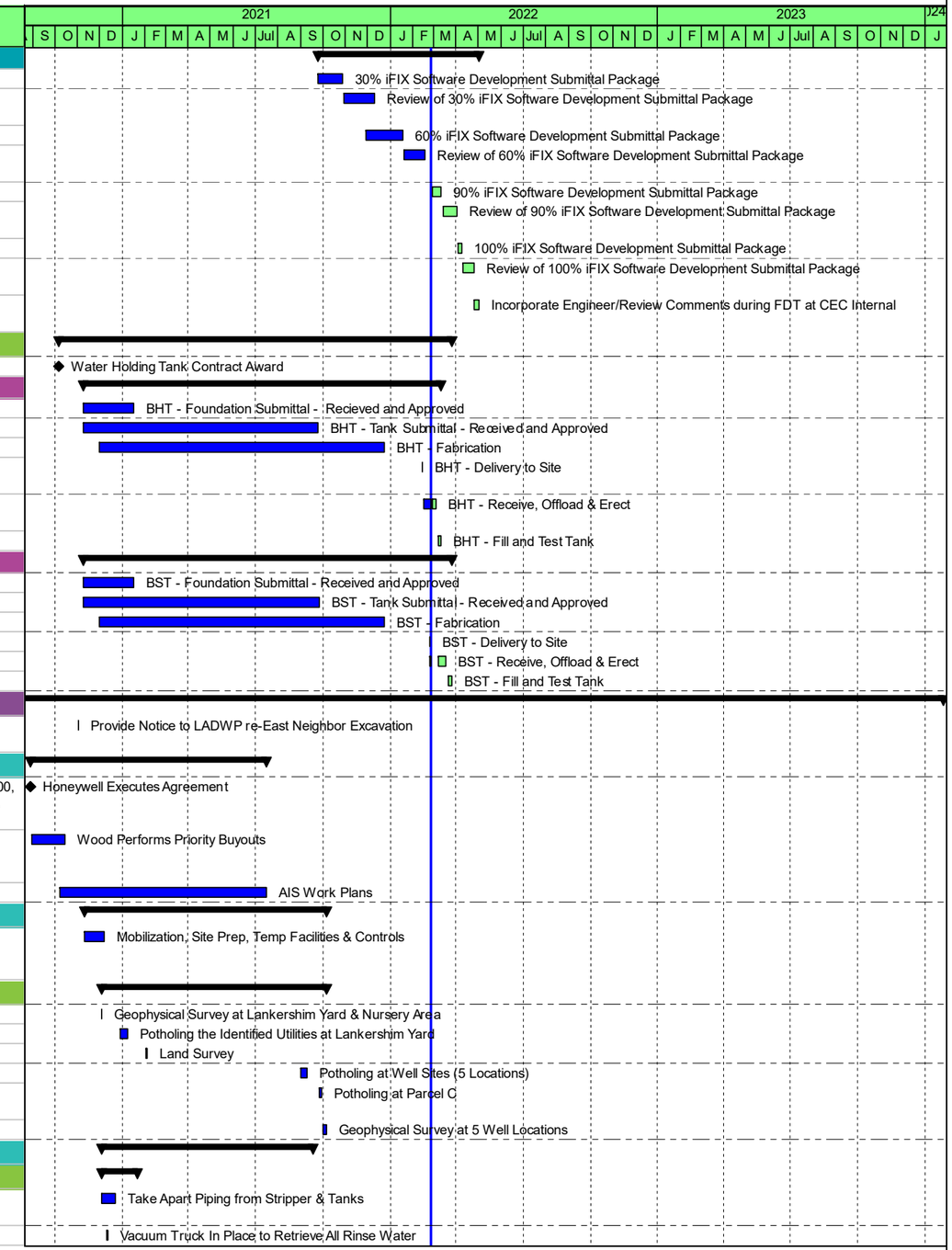
#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
260	**IFix**		153	45		24-Sep-21 A	02-May-22			
261	A4060	30% iFIX Software Development Submittal Package	24	0	100%	24-Sep-21 A	28-Oct-21 A	☐	A4025	A4065
262	A4065	Review of 30% iFIX Software Development Submittal Package	29	0	100%	29-Oct-21 A	10-Dec-21 A	☐	A4060	A4075
263	A4075	60% iFIX Software Development Submittal Package	24	0	100%	29-Nov-21 A	19-Jan-22 A	☐	A4065, A4040	A4080
264	A4080	Review of 60% iFIX Software Development Submittal Package	15	0	100%	20-Jan-22 A	17-Feb-22 A	☐	A4075	A4090
265	A4090	90% iFIX Software Development Submittal Package	10	10	0%	28-Feb-22	11-Mar-22	☐	A4080, A4050	A4095
266	A4095	Review of 90% iFIX Software Development Submittal Package	15	15	0%	14-Mar-22	01-Apr-22	☐	A4090	A4100, A4105
267	A4105	100% iFIX Software Development Submittal Packag	5	5	0%	04-Apr-22	08-Apr-22	☐	A4095	A4115
268	A4115	Review of 100% iFIX Software Development Submittal Package	10	10	0%	11-Apr-22	25-Apr-22	☐	A4105, A4070	A4100
269	A4100	Incorporate Engineer/Review Comments during FDT at CEC Internal	5	5	0%	26-Apr-22	02-May-22	☐	A4095, A4115	WTEQ-165A, A1530A
270	**UIG**		372	20		07-Oct-20 A	25-Mar-22			
271	A1490	Water Holding Tank Contract Award	0	0	100%	07-Oct-20 A		☐	PMOB-0005	A1475, A1480
272	**Backwash Holding Tank (North)**		339	10		09-Nov-20 A	11-Mar-22			
273	A1500	BHT - Foundation Submittal - Recieved and Approv	45	0	100%	09-Nov-20 A	15-Jan-21 A	☐		WTFD-N0070
274	A1510A	BHT - Tank Submittal - Received and Approved	222	0	100%	09-Nov-20 A	24-Sep-21 A	☐	A1015	A1515A, A1495
275	A1495	BHT - Fabrication	271	0	100%	30-Nov-20 A	23-Dec-21 A	☐	PMOB-0005, A1510A	A1505
276	A1505	BHT - Delivery to Site	1	0	100%	15-Feb-22 A	15-Feb-22 A	☐	WTFD-S0025, WTFD-N0070, A1495	WTEQ-0005, M7, CN-0020, A1485
277	WTEQ-0005	BHT - Receive, Offload & Erect	15	5	0%	15-Feb-22 A	04-Mar-22	☐	WTFD-N125, WTFD-N0075, WTFD-N0070, A1505, M4	WTAG-220A, WTEQ-160A, WTEQ-0075
278	WTEQ-160A	BHT - Fill and Test Tank	5	5	0%	07-Mar-22	11-Mar-22	☐	WTEQ-0005	CN-0020
279	**Backwash Supply Tank (South)**		349	15		09-Nov-20 A	25-Mar-22			
280	A1475	BST - Foundation Submittal - Received and Approve	45	0	100%	09-Nov-20 A	15-Jan-21 A	☐	A1490	WTFD-S0025, A1515A
281	A1515A	BST - Tank Submittal - Received and Approved	223	0	100%	09-Nov-20 A	27-Sep-21 A	☐	A1510A, A1475	A1480
282	A1480	BST - Fabrication	271	0	100%	30-Nov-20 A	23-Dec-21 A	☐	A1515A, A1490	A1485
283	A1485	BST - Delivery to Site	0	0	100%	24-Feb-22 A	24-Feb-22 A	☐	WTFD-S55, A1480, A1505	CN-0020
284	WTEQ-0075	BST - Receive, Offload & Erect	10	10	0%	25-Feb-22 A	18-Mar-22	☐	WTFD-S0025, WTEQ-0005, M	WTEQ-155A
285	WTEQ-155A	BST - Fill and Test Tank	5	5	0%	21-Mar-22	25-Mar-22	☐	WTEQ-0075	CN-0020
286	**Phase 1B Treatment System Construction**		905	485		01-Jul-20 A	25-Jan-24			
287	CN-0010	Provide Notice to LADWP re-East Neighbor Excavation	1	0	100%	02-Nov-20 A	02-Nov-20 A	☐	MOB-0005	WTUG-S0005
288	**Pre Mobilization**		221	0		28-Aug-20 A	16-Jul-21 A			
289	PMOB-0005	Honeywell Executes Agreement	0	0	100%		28-Aug-20 A	☐	EPA-1010	A1495, PMOB-0010, RP-1000, WTEQ-0090, EIA-9035, M1, WTEQ-115, A1490
290	PMOB-0010	Wood Performs Priority Buyouts	32	0	100%	31-Aug-20 A	14-Oct-20 A	☐	PMOB-0005	A1000, PMOB-0015, WTEQ-115, WTEQ-0090, RP-1000, A1010
291	PMOB-0015	AIS Work Plans	195	0	100%	07-Oct-20 A	16-Jul-21 A	☐	PMOB-0010	
292	**Mobilization**		230	0		10-Nov-20 A	07-Oct-21 A			
293	MOB-0005	Mobilization, Site Prep, Temp Facilities & Controls	19	0	100%	10-Nov-20 A	08-Dec-20 A	☐	DEMO-0075, DEMO-0005, EPA-1010, EIA-1005, CAR-1025, EIA-1025	WTS-0034, MOB-0010, WTEQ-0110, M2, CN-0010, CN-0005, WH-0002,
294	**Utility Investigation/Locate/Protection & Positive Identi**		215	0		03-Dec-20 A	07-Oct-21 A			
295	MOB-0010	Geophysical Survey at Lankershim Yard & Nursery A	1	0	100%	03-Dec-20 A	03-Dec-20 A	☐	M2, MOB-0005	MOB-0015, MOB-0008
296	MOB-0015	Potholing the Identified Utilities at Lankershim Yard	8	0	100%	28-Dec-20 A	07-Jan-21 A	☐	MOB-0010	MOB-0020
297	MOB-0020	Land Survey	2	0	100%	03-Feb-21 A	04-Feb-21 A	☐	MOB-0015, MOB-0008	
298	MOB-0035	Potholing at Well Sites (5 Locations)	7	0	100%	01-Sep-21 A	10-Sep-21 A	☐	MOB-0025	GW-SW0025, GW-EQ0010
299	MOB-0030	Potholing at Parcel C	4	0	100%	26-Sep-21 A	30-Sep-21 A	☐		MOB-0025, WTS-0035, WTS-0040
300	MOB-0025	Geophysical Survey at 5 Well Locations	5	0	100%	01-Oct-21 A	07-Oct-21 A	☐	MOB-0030	MOB-0035
301	**Lankershim Yard Selective Demolition**		199	0		04-Dec-20 A	17-Sep-21 A			
302	**Exterior Selective Demolition**		31	0		04-Dec-20 A	20-Jan-21 A			
303	DEMO-0025	Take Apart Piping from Stripper & Tanks	13	0	100%	04-Dec-20 A	22-Dec-20 A	☐	DEMO-0020, DEMO-0015, DEMO-0010, DEMO-0005	DEMO-0030, DEMO-0040
304	DEMO-0020	Vacuum Truck In Place to Retrieve All Rinse Water	1	0	100%	11-Dec-20 A	11-Dec-20 A	☐	DEMO-0015, DEMO-0013	DEMO-0025, DEMO-0035



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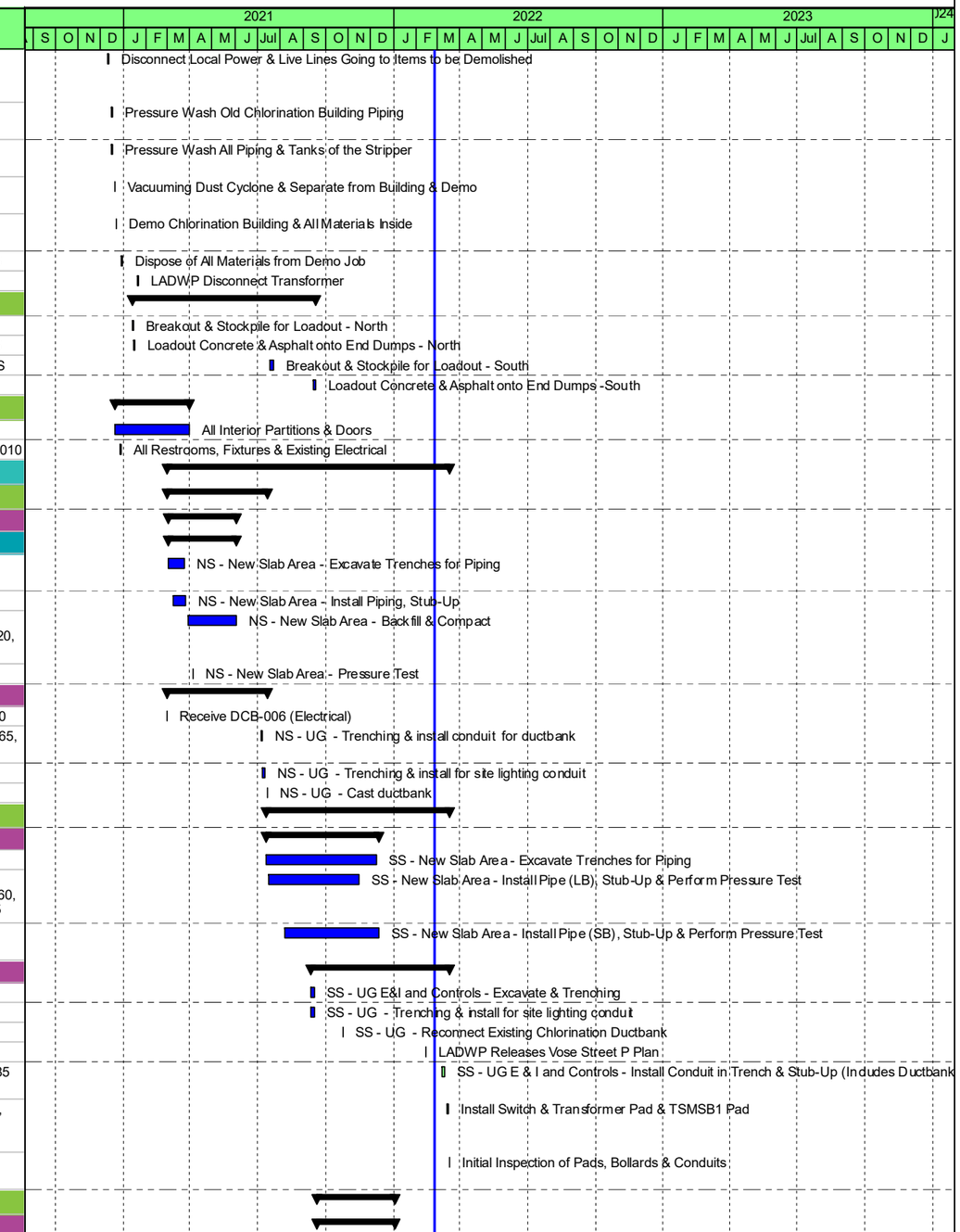
305	DEMO-0005	Disconnect Local Power & Live Lines Going to Items to be Demolished	1	0	100%	11-Dec-20 A	11-Dec-20 A	☐		MOB-0005, DEMO-0010, DEMO-0025, DEMO-0035, WTUG-S0115
306	DEMO-0015	Pressure Wash Old Chlorination Building Piping	2	0	100%	16-Dec-20 A	17-Dec-20 A	☐	DEMO-0010	DEMO-0020, DEMO-0025, DEMO-0035
307	DEMO-0010	Pressure Wash All Piping & Tanks of the Stripper	2	0	100%	16-Dec-20 A	17-Dec-20 A	☐	DEMO-0005	DEMO-0015, DEMO-0025, DEMO-0035
308	DEMO-0035	Vacuuming Dust Cyclone & Separate from Building & Demo	12	0	100%	20-Dec-20 A	20-Dec-20 A	☐	DEMO-0005, DEMO-0010, DEMO-0015, DEMO-0020	DEMO-0055
309	DEMO-0030	Demo Chlorination Building & All Materials Inside	1	0	100%	23-Dec-20 A	23-Dec-20 A	☐	DEMO-0025	DEMO-0070, DEMO-0040, WTUG-N0005
310	DEMO-0040	Dispose of All Materials from Demo Job	3	0	100%	29-Dec-20 A	31-Dec-20 A	☐	DEMO-0025, DEMO-0030	DEMO-0045, WTUG-N0005
311	DEMO-0075	LADWP Disconnect Transformer	1	0	100%	20-Jan-21 A	20-Jan-21 A	☐		MOB-0005, DEMO-0045
312	**Surface & Subsurface Selective Demolition**		174	0		13-Jan-21 A	17-Sep-21 A			
313	DEMO-0045	Breakout & Stockpile for Loadout - North	3	0	100%	13-Jan-21 A	15-Jan-21 A	☐	DEMO-0040, DEMO-0075	DEMO-0050
314	DEMO-0050	Loadout Concrete & Asphalt onto End Dumps - Nortl	1	0	100%	15-Jan-21 A	17-Jan-21 A	☐	DEMO-0045	DEMO-0070, WTUG-N0005
315	DEMO-0045S	Breakout & Stockpile for Loadout - South	5	0	100%	18-Jul-21 A	23-Jul-21 A	☐	WTUG-N0040	DEMO-0050S, DEMO-0050S
316	DEMO-0050S	Loadout Concrete & Asphalt onto End Dumps -South	2	0	100%	15-Sep-21 A	17-Sep-21 A	☐	DEMO-0045S, DEMO-0045S	DEMO-0070S
317	**Warehouse Interior Selective Demolition**		70	0		21-Dec-20 A	01-Apr-21 A			
318	DEMO-0055	All Interior Partitions & Doors	71	0	100%	21-Dec-20 A	01-Apr-21 A	☐	DEMO-0035	DEMO-0060
319	DEMO-0060	All Restrooms, Fixtures & Existing Electrical	2	0	100%	28-Dec-20 A	29-Dec-20 A	☐	DEMO-0055	WH-0185, WH-460A, WH-0010
320	**Water Treatment UG MEP**		269	9		01-Mar-21 A	18-Mar-22			
321	**North Side**		95	0		01-Mar-21 A	14-Jul-21 A			
322	**UG Plumbing & Mechanical**		64	0		03-Mar-21 A	02-Jun-21 A			
323	**New Slab Area**		64	0		03-Mar-21 A	02-Jun-21 A			
324	WTUG-N0005	NS - New Slab Area - Excavate Trenches for Piping	16	0	100%	03-Mar-21 A	24-Mar-21 A	☐	DEMO-0040, WTUG-N0085, DEMO-0030, DEMO-0050	WTUG-N0010
325	WTUG-N0010	NS - New Slab Area - Install Piping, Stub-Up	13	0	100%	10-Mar-21 A	26-Mar-21 A	☐	WTUG-N0005, WTUG-N0095	WTUG-N0011
326	WTUG-N0015	NS - New Slab Area - Backfill & Compact	46	0	100%	29-Mar-21 A	02-Jun-21 A	☐		M3, M13, WTUG-N0065, WTUG-N0035, WTFD-N0020, WTUG-N0055
327	WTUG-N0011	NS - New Slab Area - Pressure Test	2	0	100%	05-Apr-21 A	06-Apr-21 A	☐	WTUG-N0010, CAR-1035	
328	**UG Electrical**		95	0		01-Mar-21 A	14-Jul-21 A			
329	WTUG-N0019	Receive DCB-006 (Electrical)	1	0	100%	01-Mar-21 A	01-Mar-21 A	☐		WTUG-N95A, WTUG-N0020
330	WTUG-N0020	NS - UG - Trenching & install conduit for ductbank	3	0	100%	06-Jul-21 A	08-Jul-21 A	☐	CAR-1030, WTUG-N0019	WTUG-N100A, WTUG-N0065, WTUG-N0065
331	WTUG-N95A	NS - UG - Trenching & install for site lighting conduit	3	0	100%	08-Jul-21 A	12-Jul-21 A	☐	WTUG-N0019	
332	WTUG-N100A	NS - UG - Cast ductbank	1	0	100%	14-Jul-21 A	14-Jul-21 A	☐	WTUG-N0020	
333	**South Side**		175	9		13-Jul-21 A	18-Mar-22			
334	**UG Plumbing & Mechanical**		106	0		13-Jul-21 A	13-Dec-21 A			
335	WTUG-S0005	SS - New Slab Area - Excavate Trenches for Piping	104	0	100%	13-Jul-21 A	08-Dec-21 A	☐	WTFD-N0020, CN-0010	WTUG-S0010
336	WTUG-S0010	SS - New Slab Area - Install Pipe (LB), Stub-Up & Perform Pressure Test	86	0	100%	16-Jul-21 A	15-Nov-21 A	☐	WTUG-S0005	WTFD-S65, M23, M5, WTUG-N105A, WTUG-S0060, WTUG-S0020, WTUG-S115
337	WTUG-S115	SS - New Slab Area - Install Pipe (SB), Stub-Up & Perform Pressure Test	87	0	100%	08-Aug-21 A	13-Dec-21 A	☐	WTUG-S0010	WTFD-S85
338	**UG Electrical**		132	9		12-Sep-21 A	18-Mar-22			
339	WTUG-S0020	SS - UG E&I and Controls - Excavate & Trenching	5	0	100%	12-Sep-21 A	17-Sep-21 A	☐	WTUG-N105A, WTUG-S0010	WTUG-S0025
340	WTUG-N105A	SS - UG - Trenching & install for site lighting conduit	5	0	100%	12-Sep-21 A	17-Sep-21 A	☐	WTUG-S0010	WTUG-S0020
341	WTUG-N105A1	SS - UG - Reconnect Existing Chlorination Ductbank	1	0	100%	25-Oct-21 A	25-Oct-21 A	☐		
342	WTUG-S120	LADWP Releases Vose Street P Plan	1	0	100%	15-Feb-22 A	15-Feb-22 A	☐		WTUG-S0025
343	WTUG-S0025	SS - UG E & I and Controls - Install Conduit in Trench & Stub-Up (Includes Ductbank & Switch to PL	4	4	0%	08-Mar-22*	11-Mar-22	☐	WTUG-S0020, WTUG-S120	WTUG-S0080, WTUG-S0085
344	WTUG-S0085	Install Switch & Transformer Pad & TSMSB1 Pad	3	3	0%	14-Mar-22*	16-Mar-22	☐	WTUG-S0025	WTAG-120A, WTFD-S0005, WTAG-0030, WTAG-0070, WTAG-0065
345	WTAG-0065	Initial Inspection of Pads, Bollards & Conduits	1	1	0%	18-Mar-22	18-Mar-22	☐	WTFD-S0025, WTFD-S0005, WTUG-S0085	WTAG-0030
346	**Other**		98	0		20-Sep-21 A	03-Jan-22 A			
347	**Main Conveyance Lines**		98	0		20-Sep-21 A	03-Jan-22 A			



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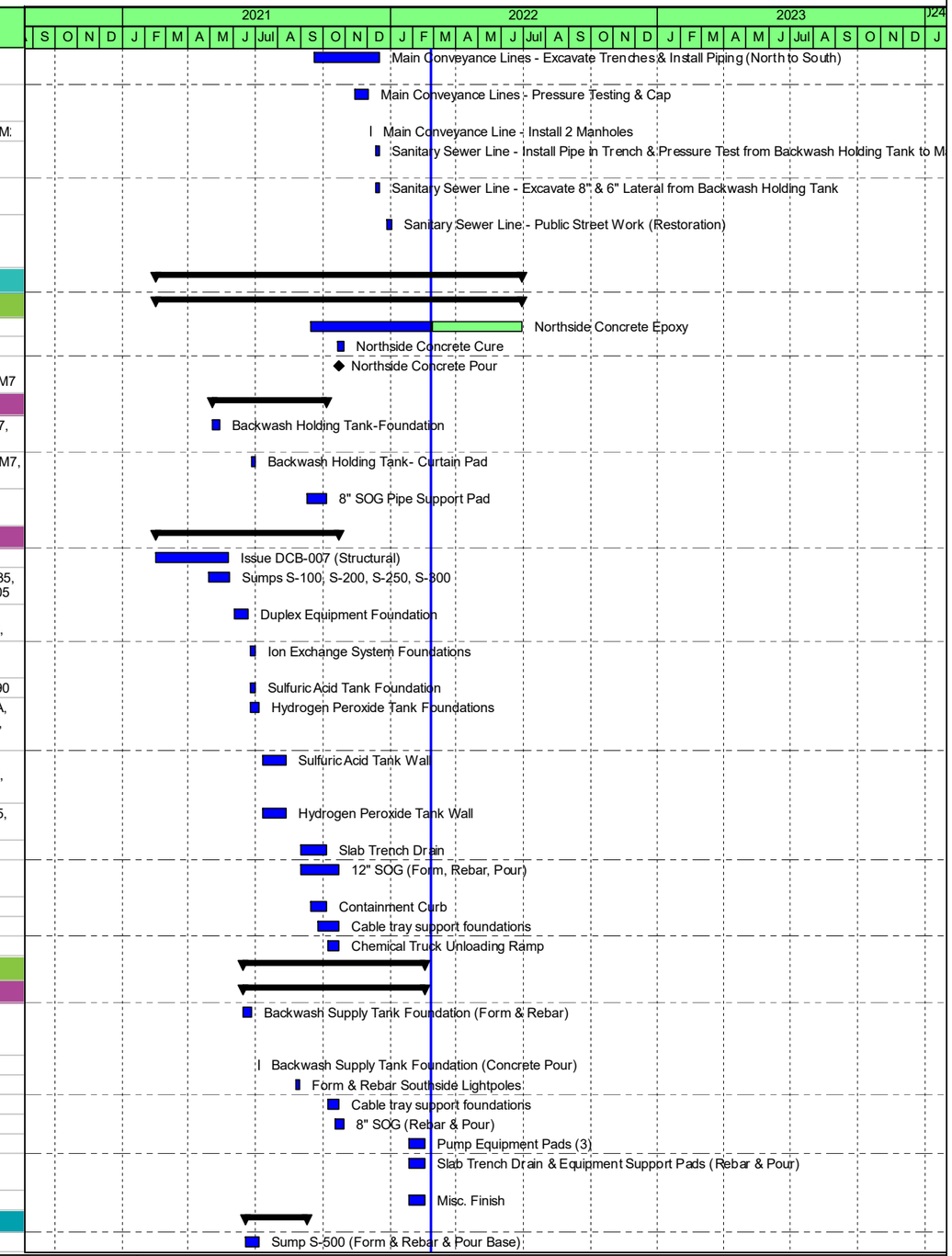
348	WTUG-N0035	Main Conveyance Lines - Excavate Trenches & Install Piping (North to South)	63	0	100%	20-Sep-21 A	17-Dec-21 A		WTUG-N0015	WTS-0015
349	WTUG-N0040	Main Conveyance Lines - Pressure Testing & Cap	13	0	100%	14-Nov-21 A	03-Dec-21 A		WTS-0015	DEMO-0045S, WTS-0005, WTS-0050, WTUG-N0060
350	WTS-0015	Main Conveyance Line - Install 2 Manholes	0	0	100%	06-Dec-21 A	06-Dec-21 A		WTUG-N0035	WTUG-N0040, WTS-0050, M:
351	WTS-0010	Sanitary Sewer Line - Install Pipe in Trench & Pressure Test from Backwash Holding Tank to Main	5	0	100%	13-Dec-21 A	17-Dec-21 A		WTS-0005	WTS-0050
352	WTS-0005	Sanitary Sewer Line - Excavate 8" & 6" Lateral from Backwash Holding Tank	5	0	100%	13-Dec-21 A	17-Dec-21 A		WTUG-N0040, WTFD-S0025, CAR-1035	WTS-0020, WTS-0010
353	WTS-0050	Sanitary Sewer Line - Public Street Work (Restoration)	3	0	100%	27-Dec-21 A	03-Jan-22 A		CAR-1060A, CAR-1045A, M22, WTS-0010, WTS-0015, WTUG-N0040, CAR-1055A	WTS-0020, WTS-0060
354	**Foundations**		250	87		16-Feb-21 A	30-Jun-22			
355	**North Side**		249	87		16-Feb-21 A	30-Jun-22			
356	WTFD-N135	Northside Concrete Epoxy	102	87	40%	14-Sep-21 A	30-Jun-22			
357	WTFD-N130	Northside Concrete Cure	5	0	100%	22-Oct-21 A	29-Oct-21 A		WTFD-N125	
358	WTFD-N125	Northside Concrete Pour	0	0	100%		22-Oct-21 A		WTFD-N0030, WTFD-N125A, WTFD-N130A, WTFD-N0045	WTFD-N130, CN-0020, WTEQ-0005, WTAG-220A, M7
359	**Northwest Side**		112	0		03-May-21 A	07-Oct-21 A			
360	WTFD-N0070	Backwash Holding Tank-Foundation	9	0	100%	03-May-21 A	13-May-21 A		A1500	A1505, WTEQ-0005, M4, M7, CN-0020
361	WTFD-N0075	Backwash Holding Tank- Curtain Pad	5	0	100%	27-Jun-21 A	02-Jul-21 A		WTFD-S55	WTFD-N115, WTEQ-0005, M7, CN-0020
362	WTFD-N0055	8" SOG Pipe Support Pad	21	0	100%	09-Sep-21 A	07-Oct-21 A		WTFD-N130A, WTFD-N0045, WTFD-N125A	WTAG-220A
363	**Northeast Side**		176	0		16-Feb-21 A	22-Oct-21 A			
364	WTFD-N104	Issue DCB-007 (Structural)	71	0	100%	16-Feb-21 A	26-May-21 A			WTFD-N105
365	WTFD-N0020	Sumps S-100, S-200, S-250, S-300	22	0	100%	28-Apr-21 A	27-May-21 A		WTUG-N0015	WTUG-N0060, WTFD-N0035, WTFD-N0010, WTUG-S0005
366	WTFD-N0035	Duplex Equipment Foundation	13	0	100%	03-Jun-21 A	21-Jun-21 A		WTFD-N0020	M19, WTEQ-135A, WTEQ-0060, WTFD-N0040,
367	WTFD-N0040	Ion Exchange System Foundations	7	0	100%	24-Jun-21 A	02-Jul-21 A		WTFD-N0035	WTEQ-0065, M15, WTAG-0005, CN-0020
368	WTFD-N0025	Sulfuric Acid Tank Foundation	7	0	100%	24-Jun-21 A	02-Jul-21 A		WTFD-N0035	WTFD-N0045, WTFD-N0090
369	WTFD-N0045	Hydrogen Peroxide Tank Foundations	10	0	100%	24-Jun-21 A	07-Jul-21 A		WTFD-N0025	WTFD-N125, WTFD-N130A, WTFD-N0055, WTAG-0005, CN-0020
370	WTFD-N125A	Sulfuric Acid Tank Wall	23	0	100%	12-Jul-21 A	11-Aug-21 A		WTFD-N130A	WTFD-N125, WTEQ-130A, WTEQ-0055, WTFD-N0060, WTFD-N0055
371	WTFD-N130A	Hydrogen Peroxide Tank Wall	23	0	100%	12-Jul-21 A	11-Aug-21 A		WTFD-N0045	WTFD-N125A, WTFD-N125, WTFD-S75, WTFD-N0055
372	WTFD-N110	Slab Trench Drain	25	0	100%	02-Sep-21 A	07-Oct-21 A		WTFD-N0060	WTFD-N0030, CN-0020
373	WTFD-N0060	12" SOG (Form, Rebar, Pour)	36	0	100%	02-Sep-21 A	22-Oct-21 A		WTFD-N125A	M17, WTEQ-130A, WTEQ-0055, WTFD-N110,
374	WTFD-N115	Containment Curb	17	0	100%	14-Sep-21 A	07-Oct-21 A		WTFD-N0075	CN-0020
375	WTFD-N145	Cable tray support foundations	21	0	100%	24-Sep-21 A	22-Oct-21 A			WTFD-N150
376	WTFD-N0030	Chemical Truck Unloading Ramp	11	0	100%	08-Oct-21 A	22-Oct-21 A		WTFD-N110	WTFD-N125, M14
377	**South Side**		168	0		14-Jun-21 A	18-Feb-22 A			
378	**Concrete Work**		168	0		14-Jun-21 A	18-Feb-22 A			
379	WTFD-S0025	Backwash Supply Tank Foundation (Form & Rebar)	10	0	100%	14-Jun-21 A	25-Jun-21 A		A1475	WTFD-S60, WTFD-S55, A1505, WTAG-0065, WTEQ-0075, WTEQ-0055,
380	WTFD-S55	Backwash Supply Tank Foundation (Concrete Pour)	1	0	100%	07-Jul-21 A	07-Jul-21 A		WTFD-S0025	A1485, WTFD-N0075
381	WTFD-S135	Form & Rebar Southside Lightpoles	3	0	100%	25-Aug-21 A	30-Aug-21 A			
382	WTFD-N150	Cable tray support foundations	11	0	100%	08-Oct-21 A	22-Oct-21 A		WTFD-N145	
383	WTFD-S75	8" SOG (Rebar & Pour)	10	0	100%	18-Oct-21 A	29-Oct-21 A		WTFD-S70, WTFD-N130A	WTFD-S80, WH-480A
384	WTFD-S0050	Pump Equipment Pads (3)	5	0	100%	26-Jan-22 A	18-Feb-22 A		WTFD-S0045	A2080, WTFD-S0055
385	WTFD-S0045	Slab Trench Drain & Equipment Support Pads (Rebar & Pour)	17	0	100%	26-Jan-22 A	18-Feb-22 A		WTFD-S65	WTFD-S0050
386	WTFD-S80	Misc. Finish	5	0	100%	26-Jan-22 A	18-Feb-22 A		WTFD-S75	CN-0020
387	**Sump**		60	0		18-Jun-21 A	10-Sep-21 A			
388	WTFD-S60	Sump S-500 (Form & Rebar & Pour Base)	13	0	100%	18-Jun-21 A	06-Jul-21 A		WTFD-S0025	WTFD-S65, WTFD-S0020



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HON North Hollywood Operable Unit

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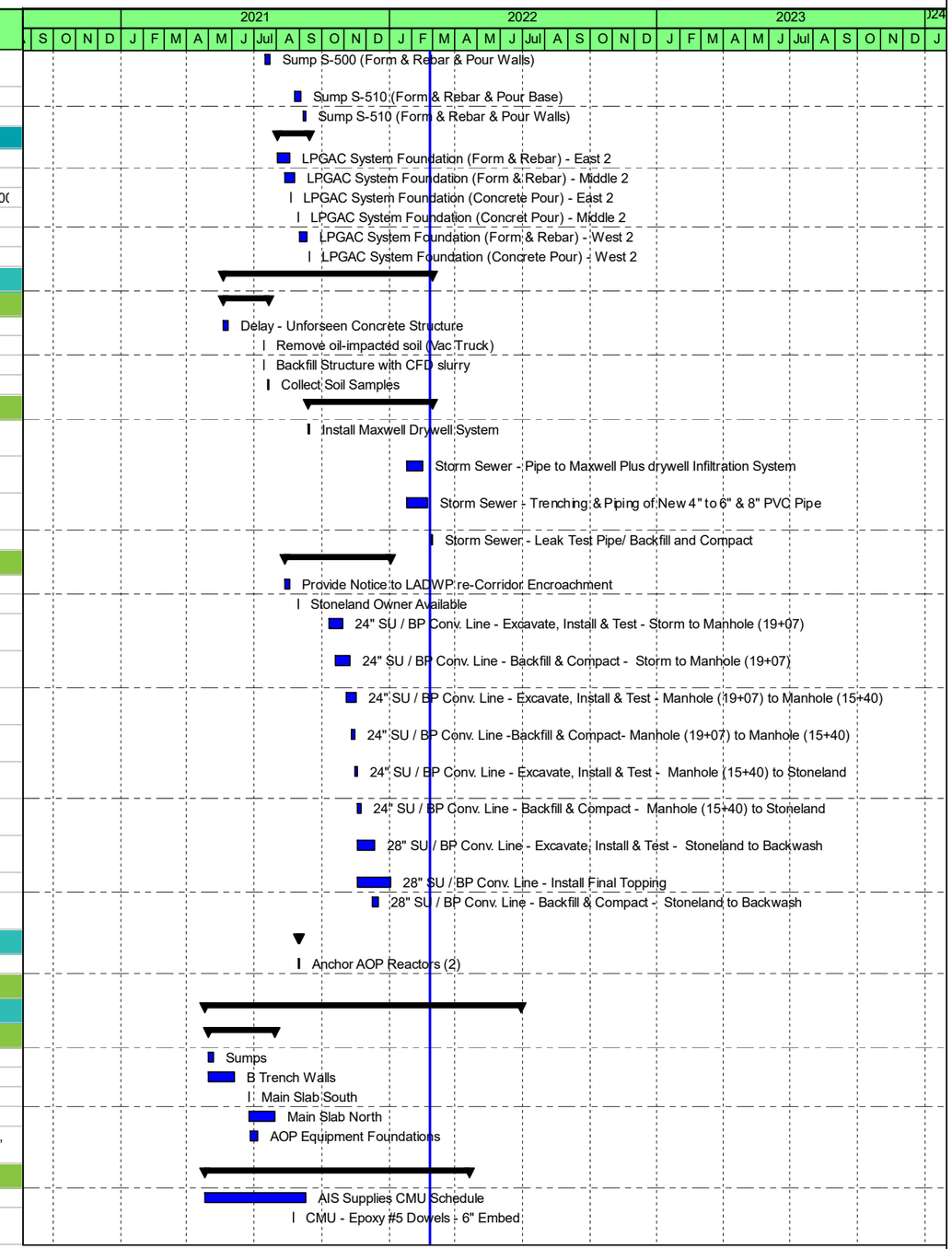
Print: 11-Mar-22

#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
389	WTFD-S0020	Sump S-500 (Form & Rebar & Pour Walls)	6	0	100%	16-Jul-21 A	23-Jul-21 A	☐	WTFD-S60	WTFD-S110, WTFD-S0010, WTFD-S0055
390	WTFD-S110	Sump S-510 (Form & Rebar & Pour Base)	8	0	100%	25-Aug-21 A	03-Sep-21 A	☐	WTFD-S0020	
391	WTFD-S85	Sump S-510 (Form & Rebar & Pour Walls)	4	0	100%	06-Sep-21 A	10-Sep-21 A	☐	WTUG-S115	
392	**LPGAC**		31	0		02-Aug-21 A	14-Sep-21 A			
393	WTFD-S65	LPGAC System Foundation (Form & Rebar) - East 2	14	0	100%	02-Aug-21 A	19-Aug-21 A	☐	WTUG-S0010, WTFD-S60	WTFD-S0045
394	WTFD-S115	LPGAC System Foundation (Form & Rebar) - Middle	9	0	100%	13-Aug-21 A	25-Aug-21 A	☐		
395	WTFD-S70	LPGAC System Foundation (Concrete Pour) - East 2	1	0	100%	20-Aug-21 A	20-Aug-21 A	☐		WTFD-S75, WTAG-30, CN-0(
396	WTFD-S125	LPGAC System Foundation (Concret Pour) - Middle	1	0	100%	30-Aug-21 A	30-Aug-21 A	☐		
397	WTFD-S120	LPGAC System Foundation (Form & Rebar) - West	7	0	100%	01-Sep-21 A	10-Sep-21 A	☐		
398	WTFD-S130	LPGAC System Foundation (Concrete Pour) - West	1	0	100%	14-Sep-21 A	14-Sep-21 A	☐		
399	**Sewers & Conveyance Lines**		199	2		20-May-21 A	01-Mar-22			
400	**Unknown Structure Closure**		43	0		20-May-21 A	20-Jul-21 A			
401	A3060	Delay - Unforseen Concrete Structure	7	0	100%	20-May-21 A	28-May-21 A	☐		
402	A3045	Remove oil-impacted soil (Vac Truck)	1	0	100%	15-Jul-21 A	15-Jul-21 A	☐		A3050
403	A3050	Backfill Structure with CFD slurry	1	0	100%	15-Jul-21 A	15-Jul-21 A	☐	A3045	A3055
404	A3055	Collect Soil Samples	1	0	100%	20-Jul-21 A	20-Jul-21 A	☐	A3050	WTS-0055
405	**Storm Sewer**		119	2		13-Sep-21 A	01-Mar-22			
406	WTS-0055	Install Maxwell Drywell System	3	0	100%	13-Sep-21 A	15-Sep-21 A	☐	A3055	WTS-0025, CN-0020, WTS-0065
407	WTS-0025	Storm Sewer - Pipe to Maxwell Plus drywell Infiltration System	3	0	100%	25-Jan-22 A	16-Feb-22 A	☐	WTS-0055	WTS-0030, SITE-0015
408	WTS-0020	Storm Sewer - Trenching & Piping of New 4" to 6" & 8" PVC Pipe	2	0	100%	25-Jan-22 A	23-Feb-22 A	☐	WTS-0005, WTS-0050	CN-0020
409	WTS-0030	Storm Sewer - Leak Test Pipe/ Backfill and Compact	2	2	0%	28-Feb-22*	01-Mar-22	☐	WTS-0025	CN-0020, WTS-0065
410	**Parcel C**		101	0		12-Aug-21 A	04-Jan-22 A			
411	CN-0005	Provide Notice to LADWP re-Corridor Encroachment	6	0	100%	12-Aug-21 A	19-Aug-21 A	☐	MOB-0005	WTS-0035
412	WTS-0033	Stoneland Owner Available	1	0	100%	30-Aug-21 A	30-Aug-21 A	☐		WTS-70A
413	WTS-0040	24" SU / BP Conv. Line - Excavate, Install & Test - Storm to Manhole (19+07)	15	0	100%	11-Oct-21 A	29-Oct-21 A	☐	MOB-0030	M20, WTS-90A, WTS-80A
414	WTS-80A	24" SU / BP Conv. Line - Backfill & Compact - Storm to Manhole (19+07)	15	0	100%	20-Oct-21 A	09-Nov-21 A	☐	WTS-0040	WTS-100A, WTS-90A
415	WTS-90A	24" SU / BP Conv. Line - Excavate, Install & Test - Manhole (19+07) to Manhole (15+40)	11	0	100%	03-Nov-21 A	17-Nov-21 A	☐	A3010, WTS-0040, WTS-80A	WTS-100A
416	WTS-100A	24" SU / BP Conv. Line -Backfill & Compact- Manhole (19+07) to Manhole (15+40)	3	0	100%	11-Nov-21 A	15-Nov-21 A	☐	WTS-90A, WTS-80A	WTS-85A, WTS-0035
417	WTS-70A	24" SU / BP Conv. Line - Excavate, Install & Test - Manhole (15+40) to Stoneland	5	0	100%	15-Nov-21 A	19-Nov-21 A	☐	WTS-0033, A3010, WTS-0035	WTS-75A
418	WTS-75A	24" SU / BP Conv. Line - Backfill & Compact - Manhole (15+40) to Stoneland	4	0	100%	18-Nov-21 A	23-Nov-21 A	☐	WTS-70A	
419	WTS-0035	28" SU / BP Conv. Line - Excavate, Install & Test - Stoneland to Backwash	16	0	100%	18-Nov-21 A	13-Dec-21 A	☐	A3010, MOB-0030, CN-0005, WTS-100A	WTS-70A, WTS-0045
420	WTS-85A	28" SU / BP Conv. Line - Install Final Topping	31	0	100%	19-Nov-21 A	04-Jan-22 A	☐	WTS-100A	CN-0020
421	WTS-0045	28" SU / BP Conv. Line - Backfill & Compact - Stoneland to Backwash	7	0	100%	09-Dec-21 A	17-Dec-21 A	☐	WTS-0035	EIA-9000, CN-0020, WTS-0070
422	**Water Treatment Equipment**		2	0		30-Aug-21 A	31-Aug-21 A			
423	WTEQ-180A	Anchor AOP Reactors (2)	2	0	100%	30-Aug-21 A	31-Aug-21 A	☐	WTEQ-0070, WTFD-N0085	WTAG-25, CN-0020
424	**Water Holding Tanks**		0	0						
425	**Warehouse Modifications**		342	87		26-Apr-21 A	30-Jun-22			
426	**Foundations**		64	0		30-Apr-21 A	29-Jul-21 A			
427	WTFD-N0110A	Sumps	5	0	100%	30-Apr-21 A	06-May-21 A	☐		WTFD-N110A
428	WTFD-N110A	B Trench Walls	25	0	100%	30-Apr-21 A	04-Jun-21 A	☐	WTFD-N0110A	WTFD-N0085
429	WTFD-N120A	Main Slab South	2	0	100%	24-Jun-21 A	25-Jun-21 A	☐		WH-460A
430	WTFD-N115A	Main Slab North	26	0	100%	24-Jun-21 A	29-Jul-21 A	☐	WTFD-N0085	WTAG-25, CN-0020
431	WTFD-N0085	AOP Equipment Foundations	8	0	100%	27-Jun-21 A	07-Jul-21 A	☐	WTFD-N110A	WTEQ-180A, WTFD-N115A, WTEQ-0070, WTFD-N0090
432	**CMU**		252	3		26-Apr-21 A	20-Apr-22			
433	WH-435	AIS Supplies CMU Schedule	98	0	100%	26-Apr-21 A	10-Sep-21 A	☐		WH-440, WH-0010
434	WH-0010	CMU - Epoxy #5 Dowels - 6" Embed	1	0	100%	24-Aug-21 A	24-Aug-21 A	☐	WH-440, WH-435, WH-460A, DEMO-0060	WH-0045



Remaining LOE | Remaining Work | Milestone
Actual Work | Critical Remaining | Summary

Project ID: 6519200010
TASK filter: All Activities

wood.

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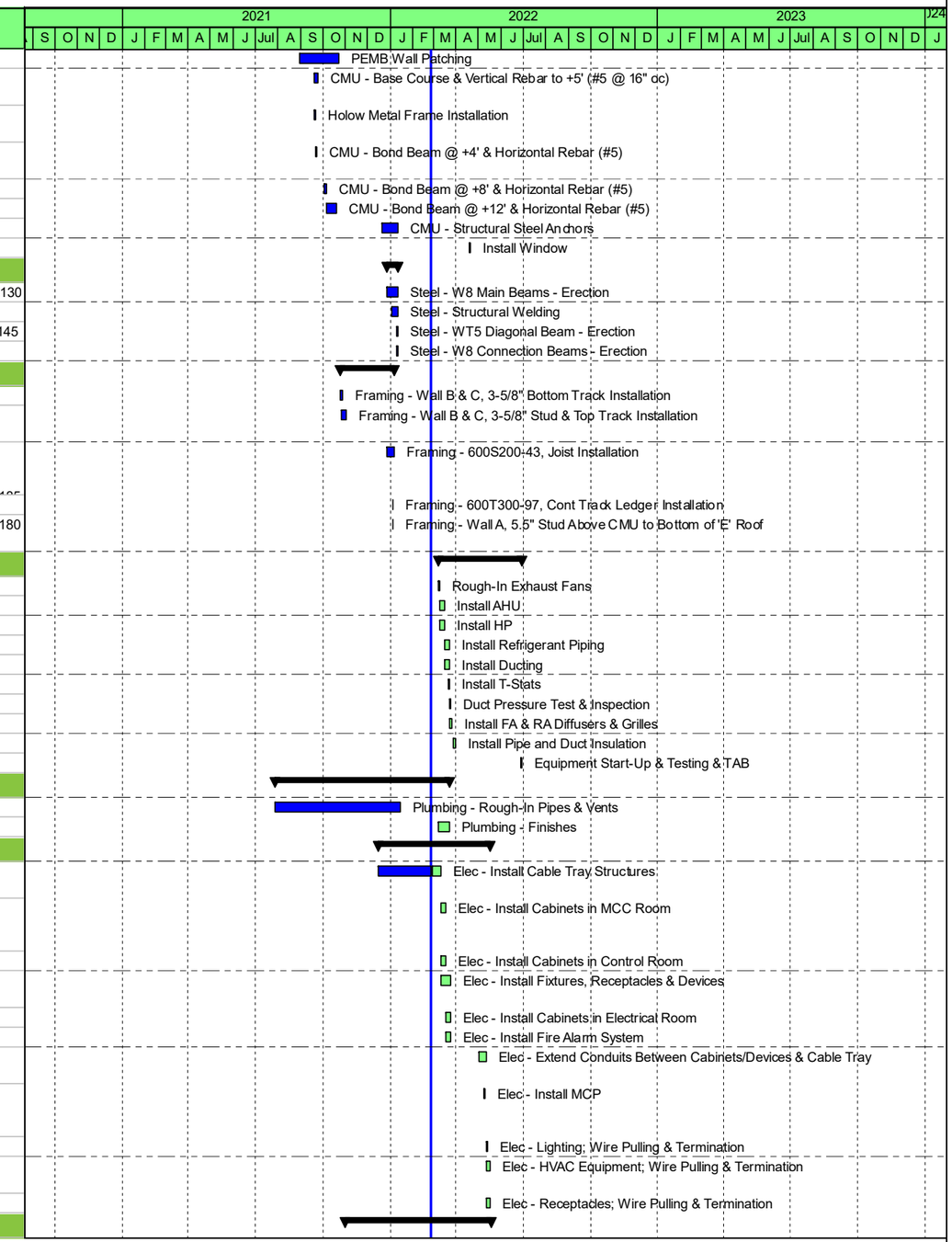
#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
435	WH-440	PEMB Wall Patching	39	0	100%	30-Aug-21 A	22-Oct-21 A	☐	WH-435	WH-0010
436	WH-0015	CMU - Base Course & Vertical Rebar to +5' (#5 @ 16" oc)	5	0	100%	19-Sep-21 A	24-Sep-21 A	☐	WH-460A	WH-0045, WH-0045
437	WH-460A	Holow Metal Frame Installation	3	0	100%	20-Sep-21 A	22-Sep-21 A	☐	WTFD-N120A, WH-0002, DEMO-0060	WH-0015, WH-0010
438	WH-0045	CMU - Bond Beam @ +4' & Horizontal Rebar (#5)	2	0	100%	22-Sep-21 A	23-Sep-21 A	☐	WH-0015, WH-0015, WH-0010	WH-0285, WH-0285, WH-0060, WH-0085
439	WH-0060	CMU - Bond Beam @ +8' & Horizontal Rebar (#5)	3	0	100%	04-Oct-21 A	06-Oct-21 A	☐	WH-0045	WH-0085, WH-0285
440	WH-0085	CMU - Bond Beam @ +12' & Horizontal Rebar (#5)	11	0	100%	06-Oct-21 A	20-Oct-21 A	☐	WH-0060, WH-0045	WH-0090
441	WH-0090	CMU - Structural Steel Anchors	18	0	100%	21-Dec-21 A	11-Jan-22 A	☐	WH-0085	WH-0120, WH-0130
442	WH-0385	Install Window	3	3	0%	18-Apr-22*	20-Apr-22	☐	WH-0290	WH-0400
443	**Steel**		22	0		27-Dec-21 A	12-Jan-22 A			
444	WH-0120	Steel - W8 Main Beams - Erection	19	0	100%	27-Dec-21 A	12-Jan-22 A	☐	WH-0090	WH-465A, WH-0125, WH-0130
445	WH-465A	Steel - Structural Welding	8	0	100%	04-Jan-22 A	12-Jan-22 A	☐	WH-0120	WH-0145
446	WH-0130	Steel - WT5 Diagonal Beam - Erection	2	0	100%	10-Jan-22 A	12-Jan-22 A	☐	WH-0090, WH-0120, WH-0125	WH-470A, CN-0020, WH-0145
447	WH-0125	Steel - W8 Connection Beams - Erection	2	0	100%	10-Jan-22 A	12-Jan-22 A	☐	WH-0120	WH-0130
448	**Framing & Wall Openings**		66	0		25-Oct-21 A	06-Jan-22 A			
449	WH-0145	Framing - Wall B & C, 3-5/8" Bottom Track Installatic	4	0	100%	25-Oct-21 A	28-Oct-21 A	☐	WH-465A, WH-0130	WH-0290
450	WH-0150	Framing - Wall B & C, 3-5/8" Stud & Top Track Installation	5	0	100%	26-Oct-21 A	01-Nov-21 A	☐	WH-0290	WH-0310, WH-0180
451	WH-0290	Framing - 600S200-43, Joist Installation	24	0	100%	27-Dec-21 A	06-Jan-22 A	☐	WH-0145	WH-0210, WH-0385, WH-0155, WH-0150, WH-0310, WH-0285,
452	WH-0180	Framing - 600T300-97, Cont Track Ledger Installatic	1	0	100%	05-Jan-22 A	05-Jan-22 A	☐	WH-0150, WH-0155, WH-0155	WH-0235
453	WH-0155	Framing - Wall A, 5.5" Stud Above CMU to Bottom of 'E' Roof	1	0	100%	05-Jan-22 A	05-Jan-22 A	☐	WH-0290	WH-0310, WH-0180, WH-0180
454	**Mechanical**		82	82		07-Mar-22	30-Jun-22			
455	WH-0195	Rough-In Exhaust Fans	3	3	0%	07-Mar-22*	09-Mar-22	☐	WH-0290, CAR-1040	WH-0200
456	WH-0210	Install AHU	5	5	0%	09-Mar-22	15-Mar-22	☐	WH-0290, WH-0200	WH-0235, WH-0230
457	WH-0200	Install HP	5	5	0%	09-Mar-22	15-Mar-22	☐	WH-0195	WH-0235, WH-0210
458	WH-0235	Install Refrigerant Piping	5	5	0%	16-Mar-22	22-Mar-22	☐	WH-0210, WH-0200, WH-0180	WH-0240, WH-0245
459	WH-0230	Install Ducting	5	5	0%	16-Mar-22	22-Mar-22	☐	WH-0210	WH-0245
460	WH-0240	Install T-Stats	2	2	0%	21-Mar-22	22-Mar-22	☐	WH-0235	WH-0365, WH-0250
461	WH-0245	Duct Pressure Test & Inspection	2	2	0%	23-Mar-22	24-Mar-22	☐	WH-0230, WH-0235	WH-0250
462	WH-0250	Install FA & RA Diffusers & Grilles	3	3	0%	23-Mar-22	25-Mar-22	☐	WH-0245, WH-0240	WH-0260
463	WH-0260	Install Pipe and Duct Insulation	3	3	0%	28-Mar-22	30-Mar-22	☐	WH-0250	WH-0415, WH-0265
464	WH-0265	Equipment Start-Up & Testing & TAB	3	3	0%	28-Jun-22	30-Jun-22	☐	WTAG-0085, WH-0260	CN-0020
465	**Plumbing**		166	12		28-Jul-21 A	22-Mar-22			
466	WH-0170	Plumbing - Rough-In Pipes & Vents	130	0	100%	28-Jul-21 A	14-Jan-22 A	☐	CAR-1040, WH-0290	WH-0185, WH-0285
467	WH-480A	Plumbing - Finishes	12	12	0%	07-Mar-22*	22-Mar-22	☐	WTFD-S75	
468	**Electrical**		107	56		16-Dec-21 A	17-May-22			
469	WH-470A	Elec - Install Cable Tray Structures	31	9	0%	16-Dec-21 A	10-Mar-22	☐	A3040, WH-0130	WTAG-225A, WTAG-0045, WH-0185, WTAG-0020
470	WH-0185	Elec - Install Cabinets in MCC Room	5	5	0%	11-Mar-22	17-Mar-22	☐	A2050, WH-0290, WH-0170, DEMO-0060, WH-470A, CAR-1040	WH-0430, WTAG-225A, WH-490A, WH-0320
471	WH-490A	Elec - Install Cabinets in Control Room	5	5	0%	11-Mar-22	17-Mar-22	☐	WH-0185	WTAG-225A, WH-485A
472	WH-0430	Elec - Install Fixtures, Receptacles & Devices	10	10	0%	11-Mar-22	24-Mar-22	☐	WH-0185	WH-475A, WTAG-225A, WH-0435
473	WH-485A	Elec - Install Cabinets in Electrical Room	5	5	0%	18-Mar-22	24-Mar-22	☐	WH-490A	WTAG-225A, WH-0320
474	WH-475A	Elec - Install Fire Alarm System	5	5	0%	18-Mar-22	24-Mar-22	☐	WH-0430	WTAG-225A
475	WH-0320	Elec - Extend Conduits Between Cabinets/Devices & Cable Tray	8	8	0%	02-May-22	11-May-22	☐	WTAG-0070, WH-485A, WH-0185	WH-0370, WH-0365, WTAG-225A, WH-0435
476	WTAG-0070	Elec - Install MCP	2	2	0%	09-May-22	10-May-22	☐	WTEQ-165A, WTUG-S0085	WH-0370, WH-0365, WTAG-225A, WH-0320, WTAG-0055, CN-0020
477	WH-0435	Elec - Lighting; Wire Pulling & Termination	2	2	0%	12-May-22	13-May-22	☐	WH-0320, WH-0430	WTAG-225A, CN-0020
478	WH-0365	Elec - HVAC Equipment; Wire Pulling & Termination	3	3	0%	12-May-22	16-May-22	☐	WTAG-0070, WH-0240, WH-0320	WH-0285, WTAG-160A, WTAG-225A
479	WH-0370	Elec - Receptacles; Wire Pulling & Termination	4	4	0%	12-May-22	17-May-22	☐	WTAG-0070, WH-0320	WTAG-225A
480	**Misc**		209	57		01-Nov-21 A	18-May-22			



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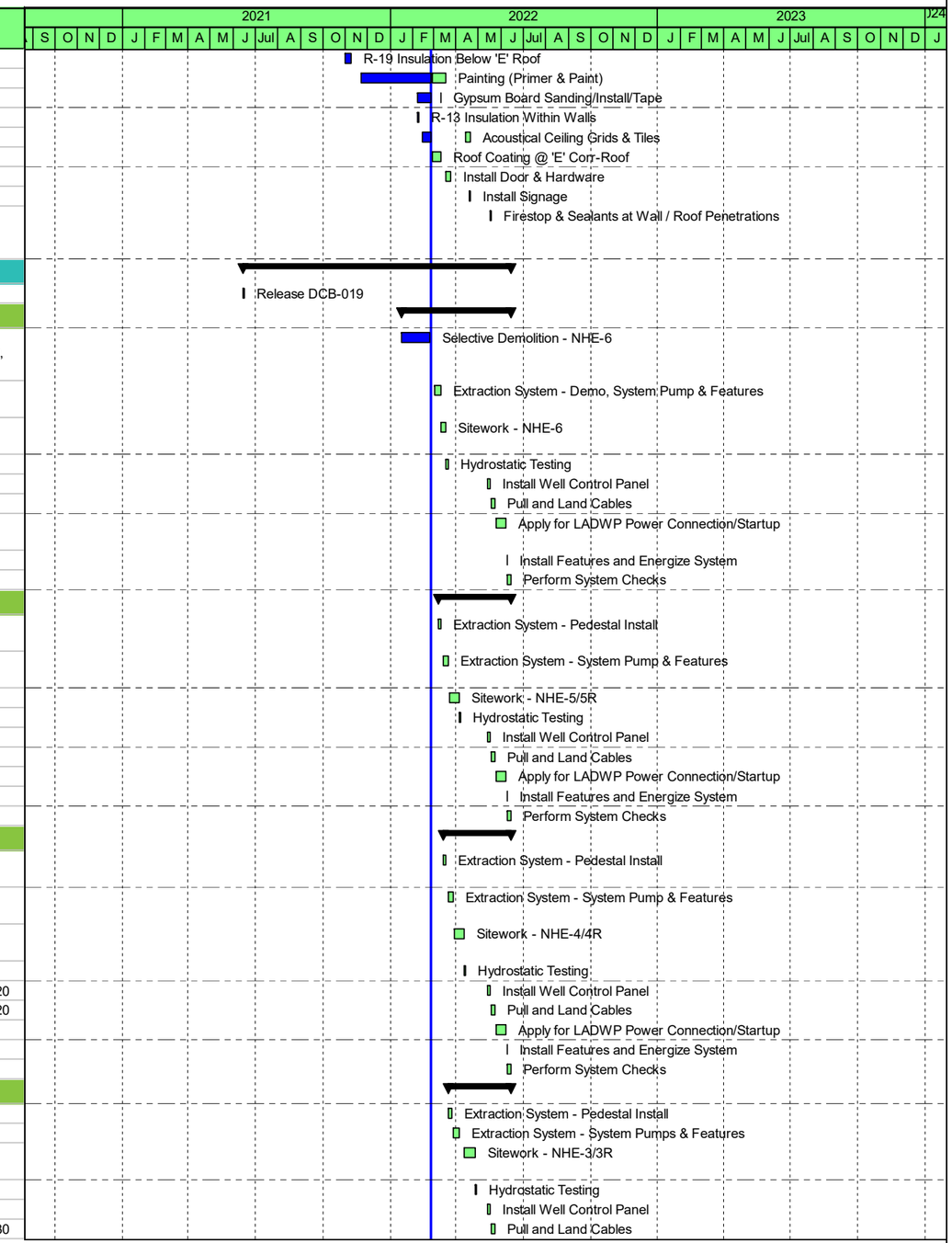
481	WH-0315	R-19 Insulation Below 'E' Roof	7	0	100%	01-Nov-21 A	09-Nov-21 A	☐	WH-0310	WH-0340, WH-0425
482	WH-0350	Painting (Primer & Paint)	98	14	70%	22-Nov-21 A	17-Mar-22	☐		WH-0380, CN-0020
483	WH-0340	Gypsum Board Sanding/Install/Tape	0	0	0%	07-Feb-22 A	11-Mar-22	☐	WH-0425, WH-0315	WH-0415, M25
484	WH-0310	R-13 Insulation Within Walls	3	0	100%	07-Feb-22 A	09-Feb-22 A	☐	WH-0150, WH-0155, WH-0290	WH-0315
485	WH-0415	Acoustical Ceiling Grids & Tiles	5	5	0%	14-Feb-22 A	20-Apr-22	☐	WH-0260, WH-0340, WH-0400	
486	WH-0425	Roof Coating @ 'E' Corr-Roof	9	9	0%	28-Feb-22*	10-Mar-22	☐	WH-0315	WH-0340
487	WH-0380	Install Door & Hardware	5	5	0%	18-Mar-22	24-Mar-22	☐	WH-0350	CN-0020
488	WH-0400	Install Signage	3	3	0%	18-Apr-22	20-Apr-22	☐	WH-0385	WH-0415
489	WH-0285	Firestop & Sealants at Wall / Roof Penetrations	2	2	0%	17-May-22	18-May-22	☐	WH-0365, WH-0290, WH-0045, WH-0045, WH-0060, CAR-1040,	
490	**Groundwater Extraction System**		256	73		15-Jun-21 A	15-Jun-22			
491	GW-DM20A	Release DCB-019	1	0	100%	15-Jun-21 A	15-Jun-21 A	☐		GW-DM0010
492	**NHE - 6**		101	73		17-Jan-22 A	15-Jun-22			
493	GW-DM0010	Selective Demolition - NHE-6	3	0	100%	17-Jan-22 A	24-Feb-22 A	☐	GW-DM20A, CAR-1055A	GW-EQ10A, GW-DM50, GW-EX0005, GW-EQ10A10, GW-EQ20, GW-SW0025,
494	GW-EQ0010	Extraction System - Demo, System Pump & Features	6	6	0%	03-Mar-22*	10-Mar-22	☐	MOB-0035, GW-DM0010, GW-DM0020	M18, GW-HT0005, GW-SW0025, GW-EQ70
495	GW-SW0025	Sitework - NHE-6	5	5	0%	11-Mar-22	17-Mar-22	☐	MOB-0035, GW-DM0010, GW-DM0020, GW-EQ0010	GW-HT0005, GW-EX0005, GW-SW25A
496	GW-HT0005	Hydrostatic Testing	2	2	0%	18-Mar-22	21-Mar-22	☐	GW-SW0025, GW-EQ0010	CN-0020
497	GW-SW25A	Install Well Control Panel	3	3	0%	13-May-22	17-May-22	☐	A1530A, GW-SW0025	GW-EQ10A, GW-EQ15A
498	GW-EQ15A	Pull and Land Cables	5	5	0%	18-May-22	24-May-22	☐	GW-SW25A	GW-EQ10A
499	GW-EQ10A	Apply for LADWP Power Connection/Startup	10	10	0%	25-May-22	08-Jun-22	☐	GW-SW25A, GW-DM0010, GW-EQ15A	WTAG-175A, GW-EQ20A
500	GW-EQ20A	Install Features and Energize System	0	0	0%	09-Jun-22	09-Jun-22	☐	GW-EQ10A	CN-0020, GW-EQ20A5
501	GW-EQ20A5	Perform System Checks	5	5	0%	09-Jun-22	15-Jun-22	☐	GW-EQ20A	
502	**NHE - 5/5R**		71	71		07-Mar-22	15-Jun-22			
503	GW-EQ20	Extraction System - Pedestal Install	5	5	0%	07-Mar-22*	11-Mar-22	☐	GW-DM0010, CAR-1055A	GW-SW25, GW-EQ10, GW-EQ40
504	GW-EQ10	Extraction System - System Pump & Features	6	6	0%	14-Mar-22	21-Mar-22	☐	GW-EQ20	GW-EQ15A10, GW-HT5, GW-SW25
505	GW-SW25	Sitework - NHE-5/5R	10	10	0%	22-Mar-22	04-Apr-22	☐	GW-EQ20, GW-EQ10	GW-HT5, GW-SW25A10
506	GW-HT5	Hydrostatic Testing	2	2	0%	05-Apr-22	06-Apr-22	☐	GW-SW25, GW-EQ10	
507	GW-SW25A10	Install Well Control Panel	3	3	0%	13-May-22	17-May-22	☐	A1530A, GW-SW25	GW-EQ15A10
508	GW-EQ15A10	Pull and Land Cables	5	5	0%	18-May-22	24-May-22	☐	GW-EQ10, GW-SW25A10	GW-EQ10A10
509	GW-EQ10A10	Apply for LADWP Power Connection/Startup	10	10	0%	25-May-22	08-Jun-22	☐	GW-DM0010, GW-EQ15A10	GW-EQ20A10
510	GW-EQ20A10	Install Features and Energize System	0	0	0%	09-Jun-22	09-Jun-22	☐	GW-EQ10A10	GW-EQ20A15
511	GW-EQ20A15	Perform System Checks	5	5	0%	09-Jun-22	15-Jun-22	☐	GW-EQ20A10	
512	**NHE - 4/4R**		66	66		14-Mar-22	15-Jun-22			
513	GW-EQ40	Extraction System - Pedestal Install	5	5	0%	14-Mar-22	18-Mar-22	☐	GW-EQ20	GW-SW35, GW-EQ30, GW-EQ60
514	GW-EQ30	Extraction System - System Pump & Features	6	6	0%	21-Mar-22	28-Mar-22	☐	GW-EQ40	GW-EQ15A20, GW-HT15, GW-SW35
515	GW-SW35	Sitework - NHE-4/4R	10	10	0%	29-Mar-22	11-Apr-22	☐	GW-EQ40, GW-EQ30	GW-HT15, GW-SW25A20, GW-SW45
516	GW-HT15	Hydrostatic Testing	2	2	0%	12-Apr-22	13-Apr-22	☐	GW-SW35, GW-EQ30	
517	GW-SW25A20	Install Well Control Panel	3	3	0%	13-May-22	17-May-22	☐	GW-SW35, A1530A	GW-EQ10A20, GW-EQ15A20
518	GW-EQ15A20	Pull and Land Cables	5	5	0%	18-May-22	24-May-22	☐	GW-EQ30, GW-SW25A20	GW-EQ20A20, GW-EQ10A20
519	GW-EQ10A20	Apply for LADWP Power Connection/Startup	10	10	0%	25-May-22	08-Jun-22	☐	GW-SW25A20, GW-EQ15A20	
520	GW-EQ20A20	Install Features and Energize System	0	0	0%	09-Jun-22	09-Jun-22	☐	GW-EQ15A20	GW-EQ20A25
521	GW-EQ20A25	Perform System Checks	5	5	0%	09-Jun-22	15-Jun-22	☐	GW-EQ20A20	
522	**NHE - 3/3R**		61	61		21-Mar-22	15-Jun-22			
523	GW-EQ60	Extraction System - Pedestal Install	5	5	0%	21-Mar-22	25-Mar-22	☐	GW-EQ40	GW-EQ50
524	GW-EQ50	Extraction System - System Pumps & Features	6	6	0%	28-Mar-22	04-Apr-22	☐	GW-EQ60	GW-HT25, GW-SW45
525	GW-SW45	Sitework - NHE-3/3R	10	10	0%	12-Apr-22	26-Apr-22	☐	GW-EQ50, GW-SW35	GW-HT25, GW-SW25A30, GW-SW55
526	GW-HT25	Hydrostatic Testing	2	2	0%	27-Apr-22	28-Apr-22	☐	GW-SW45, GW-EQ50	
527	GW-SW25A30	Install Well Control Panel	3	3	0%	13-May-22	17-May-22	☐	GW-SW45, A1530A	GW-EQ15A30
528	GW-EQ15A30	Pull and Land Cables	5	5	0%	18-May-22	24-May-22	☐	GW-SW25A30	GW-EQ20A30, GW-EQ10A30



Remaining LOE | Remaining Work | Milestone
Actual Work | Critical Remaining | Summary

Project ID: 6519200010
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wood.

HON North Hollywood Operable Unit

Data Date: 26-Feb-22
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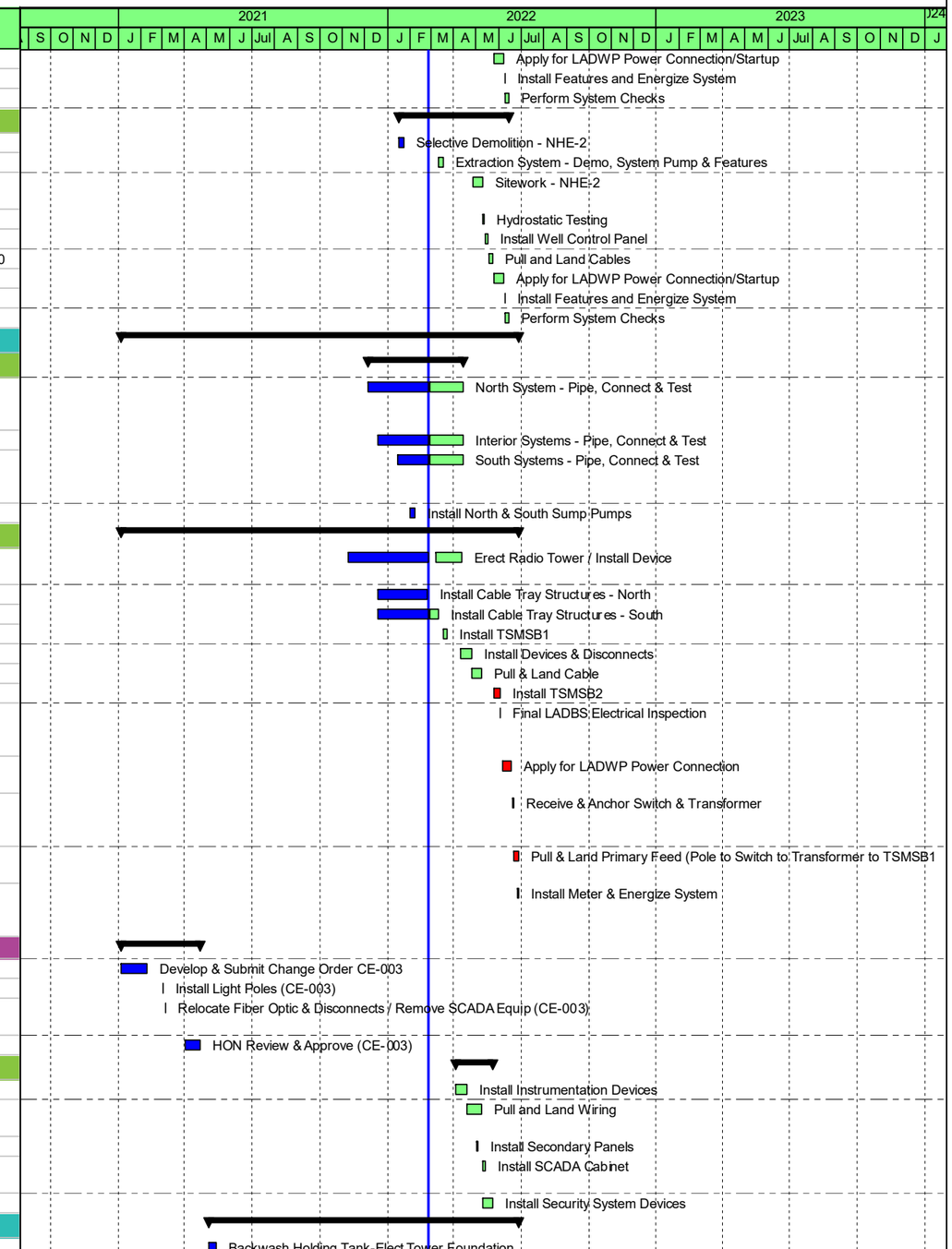
#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
529	GW-EQ10A30	Apply for LADWP Power Connection/Startup	10	10	0%	25-May-22	08-Jun-22	☐	GW-EQ15A30	
530	GW-EQ20A30	Install Features and Energize System	0	0	0%	09-Jun-22	09-Jun-22	☐	GW-EQ15A30	GW-EQ20A35
531	GW-EQ20A35	Perform System Checks	5	5	0%	09-Jun-22	15-Jun-22	☐	GW-EQ20A30	
532	**NHE - 2**		98	67		17-Jan-22 A	15-Jun-22			
533	GW-DM50	Selective Demolition - NHE-2	3	0	100%	17-Jan-22 A	24-Jan-22 A	☐	GW-DM0010	GW-SW55, GW-EQ70
534	GW-EQ70	Extraction System - Demo, System Pump & Features	6	6	0%	11-Mar-22	18-Mar-22	☐	GW-DM50, GW-EQ0010	GW-HT35, GW-SW55
535	GW-SW55	Sitework - NHE-2	10	10	0%	27-Apr-22	10-May-22	☐	GW-DM50, GW-EQ70, GW-SW45	GW-HT35, GW-SW25A40
536	GW-HT35	Hydrostatic Testing	2	2	0%	11-May-22	12-May-22	☐	GW-SW55, GW-EQ70	
537	GW-SW25A40	Install Well Control Panel	3	3	0%	13-May-22	17-May-22	☐	GW-SW55, A1530A	GW-EQ15A40
538	GW-EQ15A40	Pull and Land Cables	5	5	0%	18-May-22	24-May-22	☐	GW-SW25A40	GW-EQ20A40, GW-EQ10A40
539	GW-EQ10A40	Apply for LADWP Power Connection/Startup	10	10	0%	25-May-22	08-Jun-22	☐	GW-EQ15A40	
540	GW-EQ20A40	Install Features and Energize System	0	0	0%	09-Jun-22	09-Jun-22	☐	GW-EQ15A40	GW-EQ20A45
541	GW-EQ20A45	Perform System Checks	5	5	0%	09-Jun-22	15-Jun-22	☐	GW-EQ20A40	
542	**Water Treatment AG MEP**		378	84		04-Jan-21 A	27-Jun-22			
543	**Plumbing & Mechanical Work**		93	34		06-Dec-21 A	14-Apr-22			
544	WTAG-0005	North System - Pipe, Connect & Test	47	34	40%	06-Dec-21 A	14-Apr-22	☐	WTEQ-130A, WTFD-N0040, WTEQ-0060, WTEQ-135A, WTFD-N0045, WTEQ-150A	SITE-0010, WTAG-0030, WTAG-95, WTFD-N135A
545	WTAG-25	Interior Systems - Pipe, Connect & Test	31	34	20%	20-Dec-21 A	14-Apr-22*	☐	WTEQ-180A, WTFD-N115A	WTAG-30
546	WTAG-30	South Systems - Pipe, Connect & Test	65	34	20%	14-Jan-22 A	14-Apr-22	☐	WTAG-25, WTFD-S70, WTEQ-120, WTEQ-140	WTAG-200A, WTAG-0060A, WTFD-S0010, WTAG-130A, WTAG-100, CN-0020,
547	WTAG-0010	Install North & South Sump Pumps	6	0	100%	31-Jan-22 A	07-Feb-22 A	☐	A2080	WTAG-175A
548	**Electrical Work**		378	84		04-Jan-21 A	27-Jun-22			
549	WTAG-220A	Erect Radio Tower / Install Device	53	27	0%	08-Nov-21 A	12-Apr-22	☐	WTFD-N125, WTFD-N0065, WTFD-N0055, WTEQ-0005	
550	WTAG-125A	Install Cable Tray Structures - North	12	0	100%	20-Dec-21 A	25-Feb-22 A	☐	A3040	WTAG-0020
551	WTAG-130A	Install Cable Tray Structures - South	38	9	0%	20-Dec-21 A	10-Mar-22	☐	WTAG-30, A3040	WTAG-0040, WTAG-0020
552	WTAG-120A	Install TSMSB1	5	5	0%	17-Mar-22	23-Mar-22	☐	WTUG-S0085	WTAG-170A, WTAG-225A
553	WTAG-0060A	Install Devices & Disconnects	10	10	0%	11-Apr-22*	25-Apr-22	☐	WTAG-30	WTAG-0040, WTAG-225A
554	WTAG-0040	Pull & Land Cable	10	10	0%	26-Apr-22	09-May-22	☐	WTAG-0060A, WTAG-130A	WTAG-225A
555	WTAG-0031	Install TSMSB2	5	5	0%	26-May-22	02-Jun-22	☑	A4580, A2010	WTAG-0035, WTAG-225A
556	WTAG-225A	Final LADBS Electrical Inspection	1	1	0%	03-Jun-22	03-Jun-22	☑	WTAG-0070, WTAG-0060A, WTAG-0040, WH-490A, WH-485A, WH-475A,	CN-0020, WTAG-0080
557	WTAG-0080	Apply for LADWP Power Connection	10	10	0%	06-Jun-22	17-Jun-22	☑	WTAG-225A	CN-0020, WTAG-0035, WTAG-0030
558	WTAG-0030	Receive & Anchor Switch & Transformer	2	2	0%	20-Jun-22	21-Jun-22	☑	WTAG-0065, WTAG-0005, WTUG-S0085, A4110, WTAG-0080, A2010	WTAG-0035
559	WTAG-0035	Pull & Land Primary Feed (Pole to Switch to Transformer to TSMSB1	4	4	0%	22-Jun-22	27-Jun-22	☑	WTAG-0030, WTAG-0031, WTAG-0080	WTAG-0085
560	WTAG-0085	Install Meter & Energize System	1	1	0%	27-Jun-22	27-Jun-22	☑	WTAG-0035	WH-0265, WTAG-205A, WTAG-190A, WTAG-185A, WTAG-180A, WTAG-175A,
561	**CE-003**		77	0		04-Jan-21 A	22-Apr-21 A			
562	WTUG-S0115	Develop & Submit Change Order CE-003	27	0	100%	04-Jan-21 A	09-Feb-21 A	☐	DEMO-0005	WTUG-S0100
563	WTUG-S0105	Install Light Poles (CE-003)	1	0	100%	03-Mar-21 A	03-Mar-21 A	☐	WTUG-S0100	WTUG-S0110
564	WTUG-S0110	Relocate Fiber Optic & Disconnects / Remove SCADA Equip (CE-003)	5	0	100%	06-Mar-21 A	06-Mar-21 A	☐	WTUG-S0105	
565	WTUG-S0100	HON Review & Approve (CE-003)	15	0	100%	01-Apr-21 A	22-Apr-21 A	☐	MOB-0005, WTUG-S0115	WTUG-S0105
566	**Instrumentation Work**		36	36		04-Apr-22	24-May-22			
567	WTAG-135A	Install Instrumentation Devices	10	10	0%	04-Apr-22	18-Apr-22	☐	A1535A	WTAG-185A, WTAG-0020
568	WTAG-0020	Pull and Land Wiring	15	15	0%	19-Apr-22	09-May-22	☐	WTAG-135A, WTAG-130A, WTAG-125A, WH-470A	WTAG-165A, WTAG-150A, WTAG-145A, CN-0020
569	WTAG-0050	Install Secondary Panels	3	3	0%	02-May-22	04-May-22	☐	A1470, A1440	
570	WTAG-0055	Install SCADA Cabinet	3	3	0%	11-May-22	13-May-22	☐	WTAG-0070, WTEQ-0105, A1450	WTAG-155A, CN-0020, AIS-9000, WTAG-0090
571	WTAG-0090	Install Security System Devices	10	10	0%	11-May-22	24-May-22	☐	WTAG-0055	WTAG-140A, CN-0020
572	**Site Features & Topping**		294	71		03-May-21 A	27-Jun-22			
573	WTFD-N0065	Backwash Holding Tank-Elect Tower Foundation	9	0	100%	03-May-21 A	13-May-21 A	☐		WTAG-220A, M7, CN-0020



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HON North Hollywood Operable Unit

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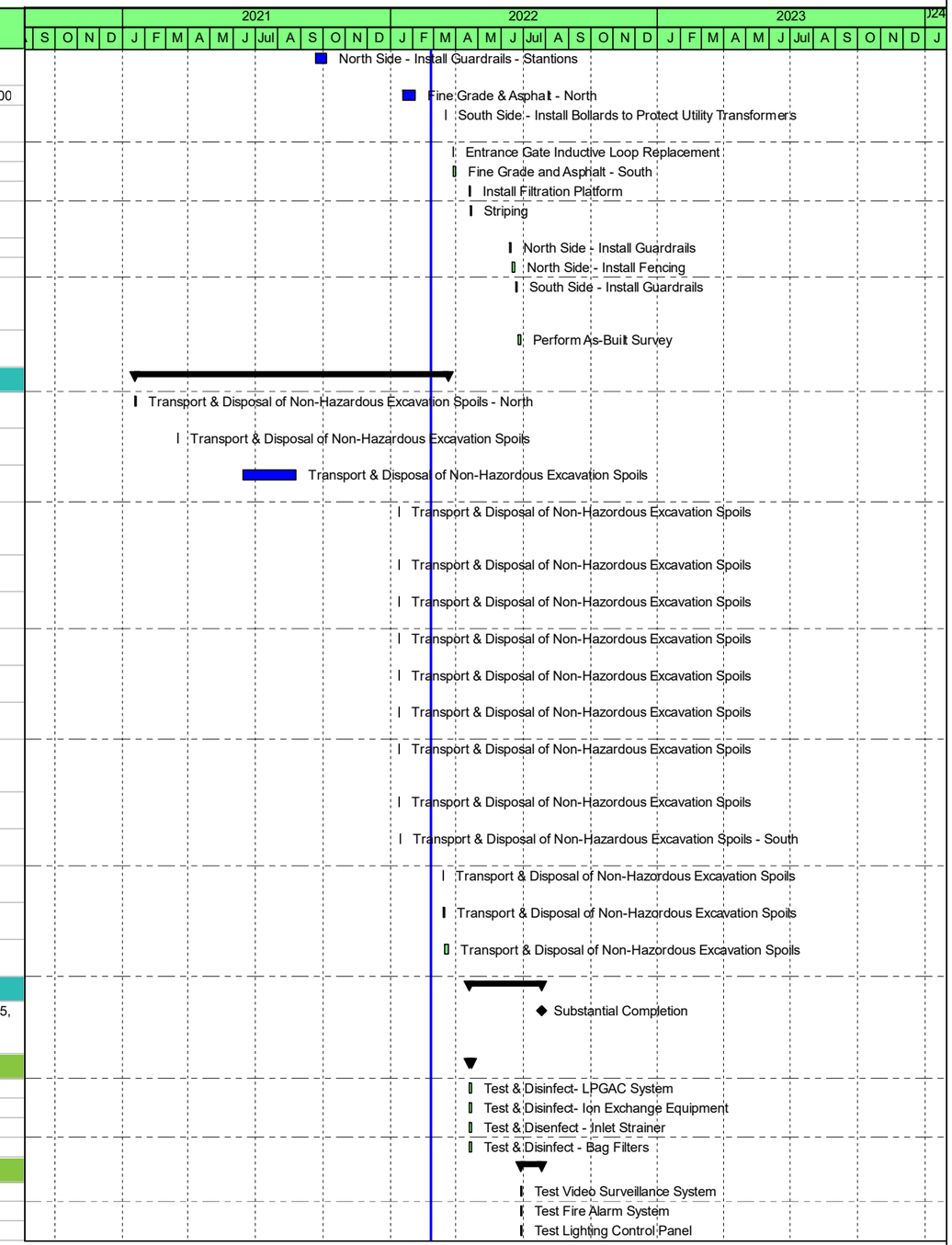
#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
574	WTFD-N0010	North Side - Install Guardrails - Stantions	12	0	100%	22-Sep-21 A	07-Oct-21 A	☐	WTFD-N0020	WTFD-N135A, SITE-0010, WTFD-N0015
575	SITE-0010	Fine Grade & Asphalt - North	4	0	100%	19-Jan-22 A	03-Feb-22 A	☐	WTFD-N0010, WTAG-0005	SITE-25A, SITE-20A, SITE-00
576	WTFD-S0005	South Side - Install Bollards to Protect Utility Transformers	1	1	0%	17-Mar-22	17-Mar-22	☐	WTUG-S0085	WTAG-0065
577	SITE-0015	Entrance Gate Inductive Loop Replacement	1	1	0%	28-Mar-22*	28-Mar-22	☐	SITE-0010, WTS-0025	SITE-0020, WTFD-S0010
578	SITE-25A	Fine Grade and Asphalt - South	4	4	0%	28-Mar-22*	31-Mar-22	☐	SITE-0010	SITE-20A
579	WTFD-N135A	Install Filtration Platform	3	3	0%	18-Apr-22	20-Apr-22	☐	WTFD-N0010, WTAG-0005	SITE-0020, SITE-20A
580	SITE-20A	Striping	2	2	0%	21-Apr-22	22-Apr-22	☐	SITE-25A, SITE-0010, WTFD-N135A	WTFD-S0010
581	WTFD-N140	North Side - Install Guardrails	3	3	0%	13-Jun-22*	15-Jun-22	☐		WTFD-N0015
582	WTFD-N0015	North Side - Install Fencing	3	3	0%	16-Jun-22*	20-Jun-22	☐	WTFD-N0010, WTFD-N140	SITE-0020, WTFD-S0010
583	WTFD-S0010	South Side - Install Guardrails	3	3	0%	21-Jun-22*	23-Jun-22	☐	WTAG-30, SITE-20A, WTFD-S0020, WTFD-N0015, SITE-0015	SITE-0020, CN-0020
584	SITE-0020	Perform As-Built Survey	2	2	0%	24-Jun-22	27-Jun-22	☐	WTFD-S0010, SITE-0015, WTFD-N135A, WTFD-N0015	CN-0020
585	**Transport & Disposal of Non-Hazardous Spoils**		317	6		18-Jan-21 A	21-Mar-22			
586	DEMO-0070	Transport & Disposal of Non-Hazardous Excavation Spoils - North	3	0	100%	18-Jan-21 A	20-Jan-21 A	☐	DEMO-0050, DEMO-0030	WTUG-N0055
587	WTUG-N0055	Transport & Disposal of Non-Hazardous Excavation Spoils	1	0	100%	18-Mar-21 A	18-Mar-21 A	☐	M13, WTUG-N0015, DEMO-0070	WTUG-N0060
588	WTFD-N0090	Transport & Disposal of Non-Hazordous Excavation Spoils	54	0	100%	14-Jun-21 A	26-Aug-21 A	☐	WTFD-N0085, WTFD-N0025	WTFD-S0055
589	GW-EX0005	Transport & Disposal of Non-Hazordous Excavation Spoils	45	0	100%	14-Jan-22 A	14-Jan-22 A	☐	GW-SW0025, WTS-0065, GW-DM0010, GW-DM0020, MOB-0005	CN-0020
590	WTFD-S0055	Transport & Disposal of Non-Hazordous Excavation Spoils	26	0	100%	14-Jan-22 A	14-Jan-22 A	☐	WTFD-S0050, WTFD-N0090, WTFD-S0020, WTUG-S0080	WTS-0060
591	WTUG-S0080	Transport & Disposal of Non-Hazordous Excavation Spoils	1	0	100%	14-Jan-22 A	14-Jan-22 A	☐	WTUG-S0025, WTUG-S0070	WTFD-S0055
592	WTUG-S0070	Transport & Disposal of Non-Hazordous Excavation Spoils	1	0	100%	14-Jan-22 A	14-Jan-22 A	☐	WTUG-S0065	WTUG-S0080
593	WTUG-S0065	Transport & Disposal of Non-Hazordous Excavation Spoils	1	0	100%	14-Jan-22 A	14-Jan-22 A	☐	WTUG-S0060	WTUG-S0070
594	WTUG-S0060	Transport & Disposal of Non-Hazordous Excavation Spoils	1	0	100%	14-Jan-22 A	14-Jan-22 A	☐	WTUG-S0010, WTUG-N0065	WTUG-S0065
595	WTUG-N0065	Transport & Disposal of Non-Hazardous Excavation Spoils	1	0	100%	14-Jan-22 A	14-Jan-22 A	☐	M13, WTUG-N0020, WTUG-N0015, WTUG-N0060, WTUG-N0020	WTUG-S0060
596	WTUG-N0060	Transport & Disposal of Non-Hazordous Excavation Spoils	1	0	100%	14-Jan-22 A	14-Jan-22 A	☐	DEMO-0070S, WTFD-N0020, WTUG-N0040, WTUG-N0055	WTUG-N0065
597	DEMO-0070S	Transport & Disposal of Non-Hazardous Excavation Spoils - South	1	0	100%	14-Jan-22 A	14-Jan-22 A	☐	DEMO-0050S	WTUG-N0060
598	WTS-0060	Transport & Disposal of Non-Hazordous Excavation Spoils	1	1	0%	14-Mar-22	14-Mar-22	☐	WTS-0050, WTFD-S0055	WTS-0065
599	WTS-0065	Transport & Disposal of Non-Hazordous Excavation Spoils	1	1	0%	15-Mar-22	15-Mar-22	☐	WTS-0055, WTS-0030, WTS-0060	WTS-0070, GW-EX0005
600	WTS-0070	Transport & Disposal of Non-Hazordous Excavation Spoils	4	4	0%	16-Mar-22	21-Mar-22	☐	WTS-0065, WTS-0045	CN-0020
601	**Pre-Commissioning**		70	70		18-Apr-22	26-Jul-22			
602	CN-0020	Substantial Completion	0	0	0%		26-Jul-22	☑	M20, WTFD-N125, M21, M3, M19, GW-EQ20A, WTFD-S80, WTFD-N115, WTFD-N110,	EIA1010, EIA1005, EPA-1015, CO-0005, M8
603	**Pre-Clean & Disinfect**		5	5		18-Apr-22	22-Apr-22			
604	WTAG-100	Test & Disinfect- LPGAC System	5	5	0%	18-Apr-22	22-Apr-22	☐	WTAG-30	CN-0020, WTAG-115
605	WTAG-95	Test & Disinfect- Ion Exchange Equipment	5	5	0%	18-Apr-22	22-Apr-22	☐	WTAG-30, WTAG-0005	CN-0020, WTAG-110
606	WTAG-90	Test & Disenfect - Inlet Strainer	5	5	0%	18-Apr-22	22-Apr-22	☐	WTAG-30, WTEQ-0060	CN-0020
607	WTAG-200A	Test & Disinfect - Bag Filters	5	5	0%	18-Apr-22	22-Apr-22	☐	WTAG-30	CN-0020
608	**Test**		20	20		28-Jun-22	26-Jul-22			
609	WTAG-140A	Test Video Surveillance System	2	2	0%	28-Jun-22	29-Jun-22	☐	WTAG-0090, WTAG-0085	CN-0020
610	WTAG-145A	Test Fire Alarm System	2	2	0%	28-Jun-22	29-Jun-22	☐	WTAG-0085, WTAG-0020	CN-0020
611	WTAG-150A	Test Lighting Control Panel	2	2	0%	28-Jun-22	29-Jun-22	☐	WTAG-0085, WTAG-0020	CN-0020



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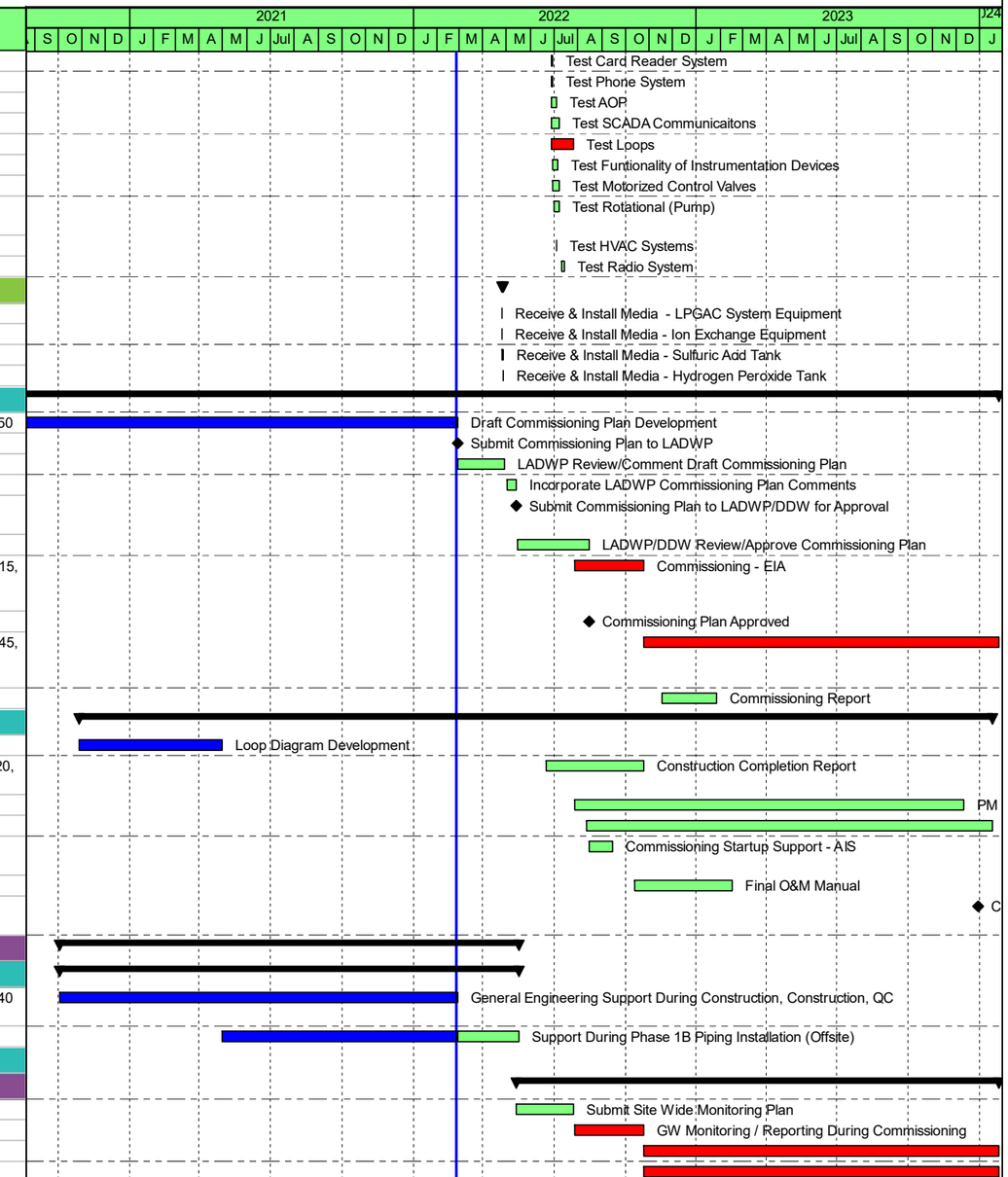
612	WTAG-190A	Test Card Reader System	2	2	0%	28-Jun-22	29-Jun-22	☐	WTAG-0085	CN-0020
613	WTAG-195A	Test Phone System	2	2	0%	28-Jun-22	29-Jun-22	☐	WTAG-165A	CN-0020
614	WTAG-205A	Test AOP	5	5	0%	28-Jun-22	05-Jul-22	☐	WTAG-0085	CN-0020
615	WTAG-155A	Test SCADA Communicaitons	8	8	0%	28-Jun-22	08-Jul-22	☐	WTAG-0085, WTAG-0055	WTAG-180A, CN-0020
616	WTAG-165A	Test Loops	20	20	0%	28-Jun-22	26-Jul-22	☑	WTAG-0085, WTAG-0020	CN-0020, WTAG-195A
617	WTAG-185A	Test Funtionality of Instrumentation Devices	5	5	0%	29-Jun-22	06-Jul-22	☐	WTAG-135A, WTAG-0085	CN-0020
618	WTAG-170A	Test Motorized Control Valves	5	5	0%	30-Jun-22	07-Jul-22	☐	WTAG-120A, WTAG-0085	CN-0020
619	WTAG-175A	Test Rotational (Pump)	5	5	0%	01-Jul-22	08-Jul-22	☐	WTAG-0010, WTAG-0085, GW-EQ10A	CN-0020
620	WTAG-160A	Test HVAC Systems	1	1	0%	05-Jul-22	05-Jul-22	☐	WTAG-0085, WH-0365	CN-0020
621	WTAG-180A	Test Radio System	5	5	0%	11-Jul-22	15-Jul-22	☐	WTAG-155A, WTAG-0085	CN-0020
622	**Install Media**		3	3		25-Apr-22	27-Apr-22			
623	WTAG-115	Receive & Install Media - LPGAC System Equipmen	1	1	0%	25-Apr-22	25-Apr-22	☐	WTEQ-120, WTAG-100	WTAG-210A, CN-0020
624	WTAG-110	Receive & Install Media - Ion Exchange Equipment	1	1	0%	25-Apr-22	25-Apr-22	☐	WTEQ-0065, WTAG-95	CN-0020
625	WTAG-210A	Receive & Install Media - Sulfuric Add Tank	1	1	0%	26-Apr-22	26-Apr-22	☐	WTAG-115	WTAG-215A, CN-0020
626	WTAG-215A	Receive & Install Media - Hydrogen Peroxide Tank	1	1	0%	27-Apr-22	27-Apr-22	☐	WTAG-210A	CN-0020
627	**Post Construction Commissioning**		905	485		01-Jul-20 A	25-Jan-24			
628	EIA-9025	Draft Commissioning Plan Development	380	0	99%	01-Jul-20 A	28-Feb-22	☐	EPA-1010	EIA-9030, CO-0025, EIA-9050
629	EIA-9050	Submit Commissioning Plan to LADWP	0	0	0%		28-Feb-22	☐	EIA-9025	EIA-9055
630	EIA-9055	LADWP Review/Comment Draft Commissioning Plai	44	44	0%	28-Feb-22	29-Apr-22	☐	EIA-9050	EIA-9060
631	EIA-9060	Incorporate LADWP Commissioning Plan Comments	10	10	0%	02-May-22	13-May-22	☐	EIA-9055	EIA-9065
632	EIA-9065	Submit Commissioning Plan to LADWP/DDW for Approval	0	0	0%		13-May-22	☐	EIA-9060	EIA-9070
633	EIA-9070	LADWP/DDW Review/Approve Commissioning Plan	64	64	0%	16-May-22	15-Aug-22	☐	EIA-9065	EIA-9075
634	EIA-9000	Commissioning - EIA	62	62	0%	28-Jul-22	24-Oct-22	☑	WTS-0045, EPA-1015, EIA1015	EIA-9010, EIA-9015, EIA-9015, EIA-9030, CO-0025, M9, AIS-9000
635	EIA-9075	Commissioning Plan Approved	0	0	0%		15-Aug-22	☐	EIA-9070	AIS-9000
636	EIA-9010	Post Commissioning O&M	318	318	0%	25-Oct-22	25-Jan-24	☑	EIA-9035, CO-0020, EIA-9000, EIA-9015, EIA-9030, AIS-9000, M9	EIA-9020, EIA-9020, EIA-9045, EIA-9045
637	EIA-9030	Commissioning Report	49	49	0%	18-Nov-22	27-Jan-23	☐	EIA-9000, EIA-9025	EIA-9010, CO-0015, M10
638	**Post Construction Regulatory Submittals & Approvals (N**		817	399		27-Oct-20 A	17-Jan-24			
639	CO-0024	Loop Diagram Development	128	0	100%	27-Oct-20 A	30-Apr-21 A	☐	M1	CO-0025
640	CO-0025	Construction Completion Report	87	87	0%	22-Jun-22	24-Oct-22	☐	EIA-9035, EIA-9025, EIA-9000, CO-0024	CO-0010, CO-0020, CO-0020, CO-0015, M12
641	CO-0010	PM Implementation (Post Construction)	349	349	0%	28-Jul-22	11-Dec-23	☐	EIA1010, CO-0025	M11
642	CO-0006	General Regulatory (Post Construction)	363	363	0%	12-Aug-22	17-Jan-24	☐	EIA1005	EIA-9045, M16
643	AIS-9000	Commissioning Startup Support - AIS	21	21	0%	16-Aug-22	14-Sep-22	☐	WTAG-0055, EPA-1015, EIA-9000, EIA-9075	EIA-9010
644	CO-0020	Final O&M Manual	87	87	0%	14-Oct-22	15-Feb-23	☐	CO-0025, CO-0025	EIA-9010
645	CO-0015	Certificate of Substantial Completion from EPA	0	0	0%		29-Dec-23	☐	CO-0005, EIA-9030, CO-0025, M10	M16
646	**Engineering Support**		371	56		02-Oct-20 A	17-May-22			
647	**Engineering Support During Construction**		371	56		02-Oct-20 A	17-May-22			
648	EIA-9035	General Engineering Support During Construction, Construction, QC	315	0	96%	02-Oct-20 A	28-Feb-22	☐	PMOB-0005	CO-0025, EIA-9010, EIA-9040
649	EIA-9040	Support During Phase 1B Piping Installation (Offsite)	227	56	80%	30-Apr-21 A	17-May-22	☐	EIA-9035	EIA-9015
650	**Engineering Support During Post-Construction**		0	0						
651	**Groundwater Monitoring**		432	432		13-May-22	25-Jan-24			
652	CO-0005	Submit Site Wide Monitoring Plan	51	51	0%	13-May-22	26-Jul-22	☐	CN-0020	CO-0015
653	EIA-9015	GW Monitoring / Reporting During Commissioning	62	62	0%	28-Jul-22	24-Oct-22	☑	EIA-9000, EIA-9000, EIA-9040	EIA-9010, M9
654	EIA-9045	O&M NPDES Support	318	318	0%	25-Oct-22	25-Jan-24	☑	CO-0006, EIA-9010, EIA-9010	M11
655	EIA-9020	GW Monitoring / Reporting During O&M	318	318	0%	25-Oct-22	25-Jan-24	☑	EIA-9010, EIA-9010	M11



Remaining LOE | Remaining Work | Milestone
Actual Work | Critical Remaining | Summary

Project ID: 6519200010
TASK filter: All Activities

wood.