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April 11, 2022

Project 8620200310

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

Subject: March 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 March 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/2022/2022.04.10/r35216 nhou_2022 apr_ra_monthly prog report.docx

Attachment: March 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

MARCH 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 the backwash supply tank, and construction at well sites; Wood continued to provide LADWP with contractor submittals for review;
- On March 30, 2022, Honeywell/Wood participated in LADWP's User Review meeting regarding the Preliminary (30%) Phase 3 Design.
- Wood reviewed LADWP comments on the Phase 1B 60% Programming Design and has proceeded with preparing the 90% Programming Design; and,
- On March 4, 2022, LADWP provided comments on the Pre-Final (90%) Phase 2B Design to Carollo.
- On March 31, 2022, Carollo submitted Phase 2B Pre-Final (90%) Design to EPA. Submittal included responses to EPA's and DTSC's comments on the Phase 2B 60% Design.

ANTICIPATED ACTIVITIES FOR THE NEXT SIX WEEKS

- Honeywell/Wood actions:
  - Wood will continue to install Phase 1B Groundwater Treatment System cable tray supports, and electrical equipment and instrumentation, 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 continue to coordinate with LADWP regarding DDW's review of the draft Commissioning Plan and will prepare a draft Operating Monitoring and Maintenance Plan (OMMP);
  - Wood will submit a draft Phase 1B Sitewide Groundwater Monitoring Plan to EPA for review/approval; and,
  - Honeywell/Wood will continue to support LADWP with the DDW 97-005 permit process.
- 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 3 Preliminary (30%) Design to Honeywell/Wood; and,

  Continue development and submittal of DDW 97-005 process documents.

MARCH 2021 NHOU Monthly Progress Report (continued)

ANTICIPATED ACTIVITIES FOR THE NEXT SIX WEEKS (CONTINUED)

- U.S. EPA actions (anticipated):
  - Perform periodic site inspections of the Phase 1B Groundwater Treatment System construction, as needed;
  - Review the Phase 2B Pre-Final (90%) Design; and,
  - Review and approve the draft Phase 1B Sitewide Groundwater Monitoring Plan.

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 draft Phase 1B OMMP;
  - Review the Phase 3 Intermediate (60%) Design and host a User Review Meeting;
  - Review the Phase 2B Prefinal and Final (100%) Design; and,
  - Continue development and submittal of documents associated with the DDW 97-005 process, including meeting(s) with DDW.

MARCH 2021 NHOU Monthly Progress Report (continued)

ANTICIPATED ACTIVITIES FOR THE NEXT SIX MONTHS (CONTINUED)

- 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 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-Mar-22
Print: 04-Apr-22

#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
1	**HON North Hollywood Operable Unit**		1229	464		29-Mar-19 A	24-Jan-24			
2	**Milestones**		862	464		28-Aug-20 A	24-Jan-24			
3	M1	Contract Award	0	0	100%		28-Aug-20 A		PMOB-0005	CO-0024, WTEQ-145A, MOB-0005
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-N0065, WTUG-N0055
13	M7	Anchor Process Support Equipment	0	0	100%		22-Oct-21 A		WTFD-N0065, WTFD-N0075, WTFD-N0070, A1505, WTFD-N125	M8
14	M17	12" SOG - 15/S-601	0	0	100%		22-Oct-21 A		WTFD-N0060	M8
15	M21	Bag Filters - Delivery to Site	0	0	100%		02-Nov-21 A		WTEQ-135A	CN-0020
16	M5	South Side UG Plumbing	0	0	100%		15-Nov-21 A		WTUG-S0010	M8
17	M22	Main Conveyance Lines - Install 2 Manholes	0	0	100%		06-Dec-21 A		WTS-0015	
18	M25	Gypsum Board Sanding/Install/Tape	0	0	100%		10-Mar-22 A		WH-0340	
19	M20	24" SU / BP Conv. Line - Install Final Topping	0	0	0%		28-Mar-22		WTS-0040	CN-0020
20	M23	SS- New Slab Area - Install Pipe (LB), Stub-up & Pressure Test Cap	0	0	0%		28-Mar-22		WTUG-S0010	M8, M8
21	M18	Extraction System - System Pumps & Piping Installation (Mob#2)	0	0	0%		25-Apr-22		GW-EQ0010	M8
22	M8	Substantial Completion	0	0	0%		18-Aug-22		WTEQ-0008, WTEQ-0095, WTEQ-0055, CN-0020, M7, M24, M18, M14, M15, M5, M17,	M12, AIS-9000, M9, CO-0025, M10, CO-0015, M11
23	M12	Construction Completion Report	0	0	0%		11-Nov-22		M8, CO-0025	M16
24	M9	Commissioning Complete	0	0	0%		27-Dec-22		WTS-0045, M8, CN-0020, PMOB-0005	M11, M10
25	M10	Commissioning Report	0	0	0%		21-Mar-23		CAR-1010, WTS-0045, M8, CN-0020, M9	CO-0015
26	M11	Operations & Maintenance Complete	0	0	0%		04-Jan-24		CO-0010, CO-0006, M9, AIS-9000, CO-0020, WTS-0045, M8, CN-0020,	M16
27	M16	Project Complete	0	0	0%		24-Jan-24	☑	M12, CO-0015, M11, CO-0006	
28	Electrical Design		125	46		08-Sep-21 A	01-Jun-22			
29	**Electrical design**		86	46		17-Jan-22 A	01-Jun-22			
30	Lankershim Yard		86	46		17-Jan-22 A	01-Jun-22			
31	A4800	Construction support	46	46	0%	28-Mar-22	01-Jun-22			
32	**Design**		65	24		17-Jan-22 A	29-Apr-22			
33	A4610	Design	5	5	0%	28-Mar-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**		6	0		17-Jan-22 A	31-Jan-22 A			
37	A4650	Meet with Stu & Artem	1	0	100%	17-Jan-22 A	17-Jan-22 A			
38	A5150	Updating Cabling Schedule- MOV (Storm Drain) rev5	6	0	100%	17-Jan-22 A	31-Jan-22 A			
39	**Short Circuit (E-704, E-704-1, E-705)**		16	16		28-Mar-22	19-Apr-22			
40	A4670	Prepare redlines	16	16	0%	28-Mar-22	19-Apr-22			
41	**Cable Tray Elevation Drawing (AIS RFI ??)**		1	0		21-Jan-22 A	21-Jan-22 A			
42	A4690	Meeting w/ JAMA & Lee & Artem	1	0	100%	21-Jan-22 A	21-Jan-22 A			
43	**DCB-029B**		4	0		26-Jan-22 A	26-Jan-22 A			
44	A4710	UPS spec	0	0	100%		26-Jan-22 A			
45	A4720	Updated single lines/removal of TSTFR 4&5	4	0	100%	26-Jan-22 A	26-Jan-22 A			

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

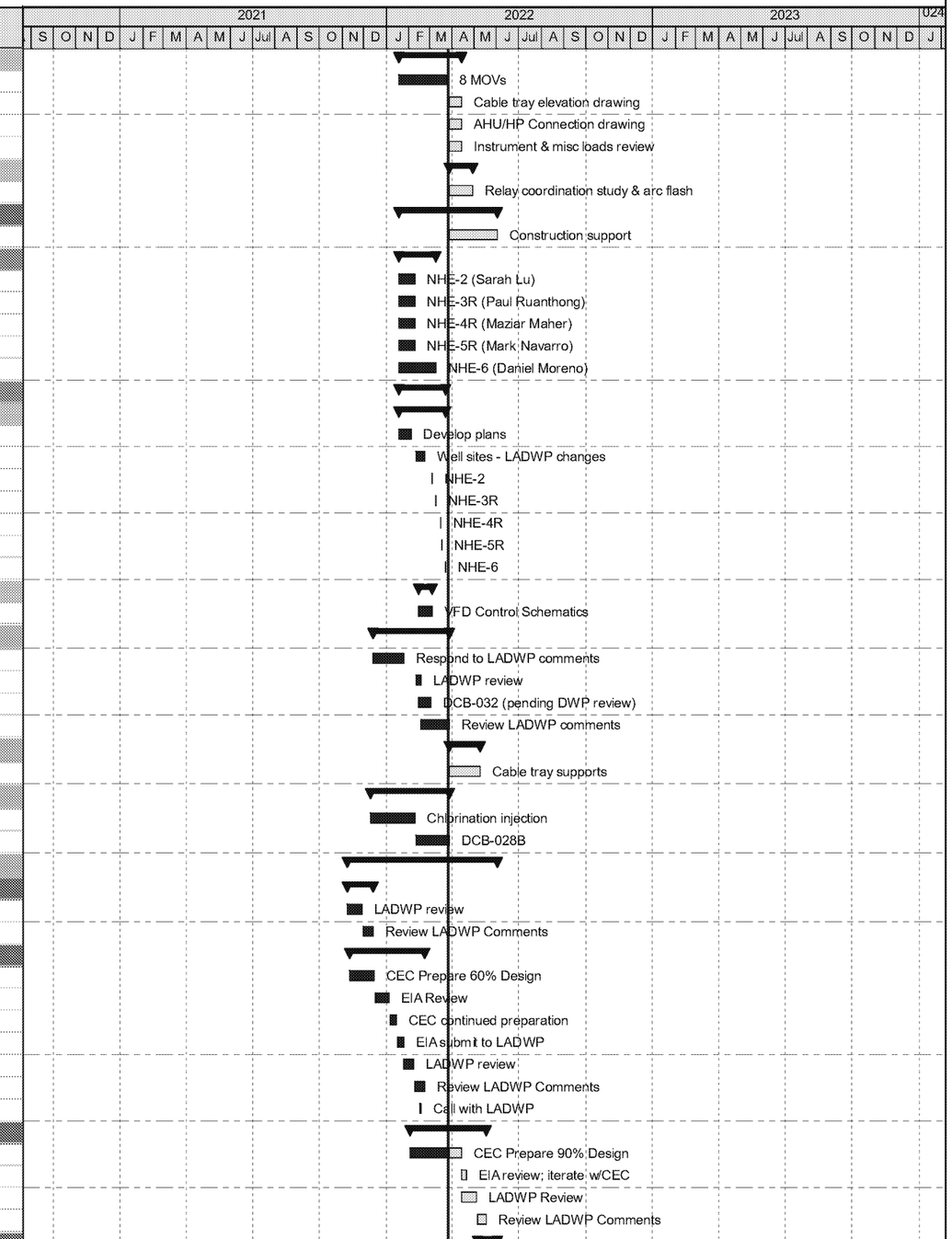
Project ID: 6519200010
TASK filter: All Activities

wood.

HON North Hollywood Operable Unit

Data Date: 26-Mar-22
Print: 04-Apr-22

#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
46	DCB-029C		14	14		18-Jan-22 A	14-Apr-22			
47	A4770	8 MOVs	11	0	100%	18-Jan-22 A	25-Mar-22 A			
48	A4740	Cable tray elevation drawing	14	14	0%	28-Mar-22	14-Apr-22			
49	A4750	AHU/HP Connection drawing	14	14	0%	28-Mar-22	14-Apr-22			
50	A4760	Instrument & misc loads review	14	14	0%	28-Mar-22	14-Apr-22			
51	DCB-033		25	24		28-Mar-22 A	29-Apr-22			
52	A4790	Relay coordination study & arc flash	25	24	0%	28-Mar-22 A	29-Apr-22			
53	Well Sites		59	46		18-Jan-22 A	01-Jun-22			
54	A4940	Construction support	46	46	0%	28-Mar-22	01-Jun-22			
55	LADWP p-drawings/Service Commitment Letters		10	0		18-Jan-22 A	09-Mar-22 A			
56	A4830	NHE-2 (Sarah Lu)	10	0	100%	18-Jan-22 A	09-Feb-22 A			
57	A4840	NHE-3R (Paul Ruanthong)	10	0	100%	18-Jan-22 A	09-Feb-22 A			
58	A4850	NHE-4R (Maziar Maher)	6	0	100%	18-Jan-22 A	09-Feb-22 A			
59	A4860	NHE-5R (Mark Navarro)	4	0	100%	18-Jan-22 A	09-Feb-22 A			
60	A4870	NHE-6 (Daniel Moreno)	7	0	100%	18-Jan-22 A	09-Mar-22 A			
61	Design		35	0		18-Jan-22 A	23-Mar-22 A			
62	DCB-019B (update/re-release MEC, ELE, &STR)		14	0		18-Jan-22 A	23-Mar-22 A			
63	A4910	Develop plans	10	0	100%	18-Jan-22 A	04-Feb-22 A			
64	A4900	Well sites - LADWP changes	14	0	100%	10-Feb-22 A	23-Feb-22 A			
65	A5155	NHE-2	1	0	100%	04-Mar-22 A	04-Mar-22 A			
66	A5160	NHE-3R	1	0	100%	10-Mar-22 A	10-Mar-22 A			
67	A5165	NHE-4R	1	0	100%	16-Mar-22 A	16-Mar-22 A			
68	A5170	NHE-5R	1	0	100%	18-Mar-22 A	18-Mar-22 A			
69	A5175	NHE-6	1	0	100%	23-Mar-22 A	23-Mar-22 A			
70	DCB-019C		15	0		14-Feb-22 A	04-Mar-22 A			
71	A4930	VFD Control Schematics	15	0	100%	14-Feb-22 A	04-Mar-22 A			
72	Security design		38	0		13-Dec-21 A	29-Mar-22 A			
73	A4960	Respond to LADWP comments	27	0	100%	13-Dec-21 A	24-Jan-22 A			A4970
74	A4970	LADWP review	5	0	100%	10-Feb-22 A	17-Feb-22 A		A4960	A4980
75	A4990	DCB-032 (pending DWP review)	1	0	100%	14-Feb-22 A	03-Mar-22 A			
76	A4980	Review LADWP comments	5	0	100%	18-Feb-22 A	29-Mar-22 A		A4970	
77	Structural (w/JAMA)		30	30		28-Mar-22	09-May-22			
78	A5015	Cable tray supports	30	30	0%	28-Mar-22	09-May-22			
79	Process		40	0		10-Dec-21 A	28-Mar-22			
80	A5045	Chlorination injection	40	0	100%	10-Dec-21 A	09-Feb-22 A		A5040	
81	A5040	DCB-028B	1	0	100%	10-Feb-22 A	28-Mar-22			A5045
82	PLC/HMI Programming Design		105	46		08-Nov-21 A	01-Jun-22			
83	30% Design		25	0		08-Nov-21 A	13-Dec-21 A			
84	A5050	LADWP review	16	0	100%	08-Nov-21 A	29-Nov-21 A			A5070, A5055
85	A5070	Review LADWP Comments	10	0	100%	30-Nov-21 A	13-Dec-21 A		A5050	
86	60% Design		71	0		12-Nov-21 A	22-Feb-22 A			
87	A5055	CEC Prepare 60% Design	25	0	100%	12-Nov-21 A	16-Dec-21 A		A5050	A5075
88	A5075	EIA Review	10	0	100%	17-Dec-21 A	05-Jan-22 A		A5055	A5080
89	A5080	CEC continued preparation	7	0	100%	06-Jan-22 A	14-Jan-22 A		A5075	A5085
90	A5085	EIA submit to LADWP	6	0	100%	17-Jan-22 A	24-Jan-22 A		A5080	A5090
91	A5090	LADWP review	11	0	100%	25-Jan-22 A	08-Feb-22 A		A5085	A5095, A5060
92	A5100	Review LADWP Comments	10	0	100%	09-Feb-22 A	22-Feb-22 A		A5095	
93	A5095	Call with LADWP	2	0	100%	16-Feb-22 A	17-Feb-22 A		A5090	A5100
94	90% Design		72	35		03-Feb-22 A	17-May-22			
95	A5060	CEC Prepare 90% Design	32	13	0%	03-Feb-22 A	13-Apr-22		A5090	A5105
96	A5105	EIA review; iterate w/CEC	4	4	0%	14-Apr-22	20-Apr-22		A5060	A5110
97	A5110	LADWP Review	14	14	0%	14-Apr-22	04-May-22		A5105	A5115, A5065
98	A5115	Review LADWP Comments	9	9	0%	05-May-22	17-May-22		A5110	
99	100% Design		19	19		05-May-22	01-Jun-22			



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

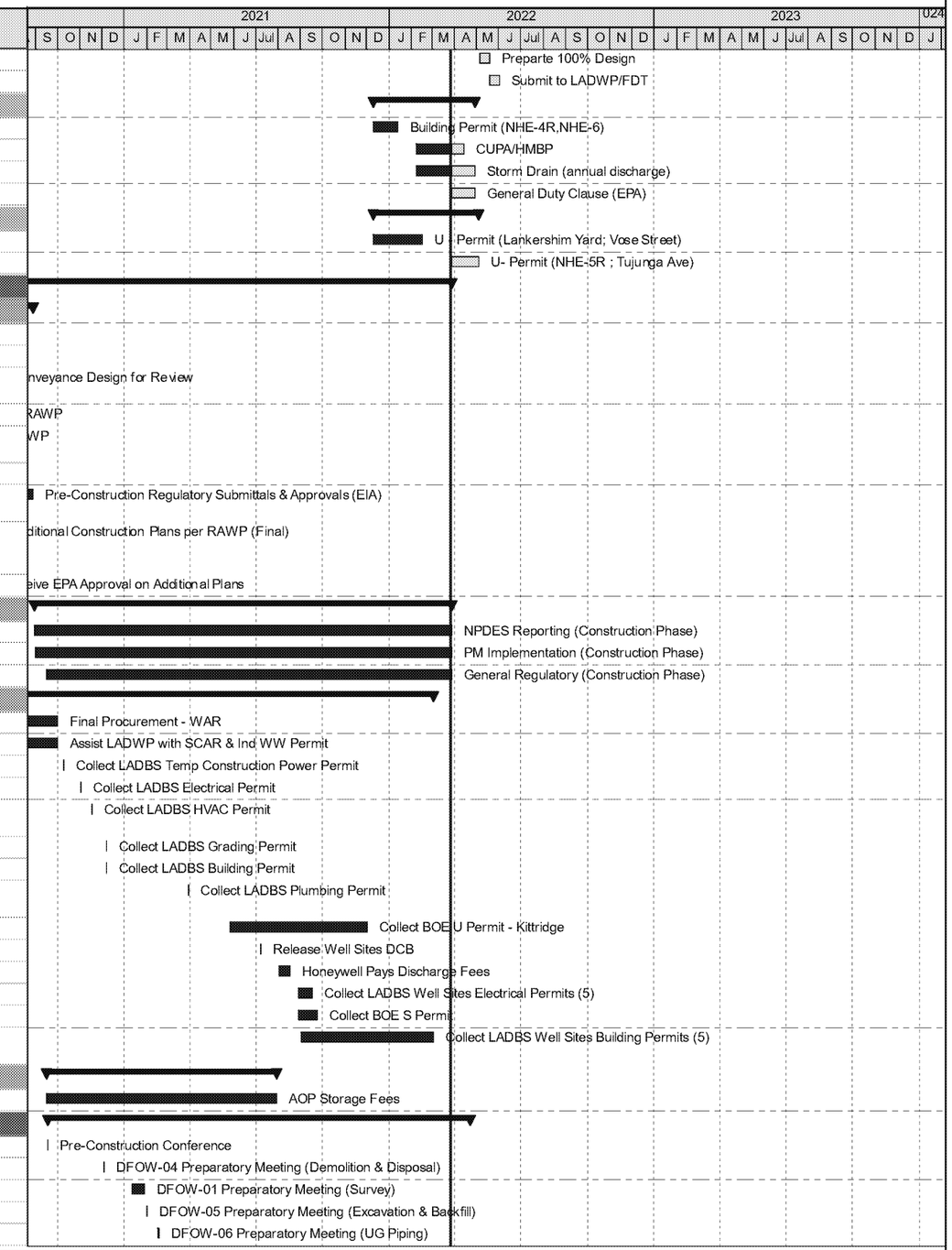
Project ID: 6519200010
TASK filter: All Activities

wood.

HON North Hollywood Operable Unit

Data Date: 26-Mar-22
Print: 04-Apr-22

#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
100	A5065	Preparte 100% Design	10	10	0%	05-May-22	18-May-22	☐	A5110	A5120
101	A5120	Submit to LADWP/FDT	9	9	0%	19-May-22	01-Jun-22	☐	A5065	
102	**Permitting Wood**		79	24		10-Dec-21 A	29-Apr-22			
103	A5124	Building Permit (NHE-4R,NHE-6)	40	0	100%	10-Dec-21 A	13-Jan-22 A	☐		
104	A5125	CUPA/HMBP	40	14	0%	07-Feb-22 A	14-Apr-22	☐		
105	A5130	Storm Drain (annual discharge)	60	24	0%	07-Feb-22 A	29-Apr-22	☐		
106	A5135	General Duty Clause (EPA)	24	24	0%	28-Mar-22	29-Apr-22	☐		
107	**Permiting LADWP**		47	27		10-Dec-21 A	04-May-22			
108	A5140	U - Permit (Lankershim Yard; Vose Street)	44	0	100%	10-Dec-21 A	15-Feb-22 A	☐		
109	A5145	U- Permit (NHE-5R ; Tujunga Ave)	27	27	0%	28-Mar-22	04-May-22	☐		
110	**Regulatory Submittals & Approvals (Wood)**		321	0		29-Mar-19 A	28-Mar-22			
111	**Pre-Construction Regulatory Submittals & Approvals (EI**		157	0		29-Mar-19 A	28-Aug-20 A			
112	EIA-1000	Submit 90% Design & RAWP	0	0	100%	29-Mar-19 A		☐		
113	LADWP-1000	EPA & LADWP Review	90	0	100%	29-Mar-19 A	02-Aug-19 A	☐	CAR-1010	CAR-1000
114	CAR-1000	Submit Final RAWP & Storm Drain Conveyance Design for Review	44	0	100%	02-Aug-19 A	03-Oct-19 A	☐	LADWP-1000	CAR-1005
115	EPA-1000	EPA Review & Comment Final RAWP	37	0	100%	03-Oct-19 A	25-Nov-19 A	☐		
116	CAR-1005	Revise and Submit Final RAWP	20	0	100%	22-Nov-19 A	23-Dec-19 A	☐	CAR-1000, CAR-1010	MOB-0005, CAR-1020, CAR-1015
117	EPA-1005	EPA Comments Received	0	0	100%		25-Nov-19 A	☐		
118	EIA-1030	Pre-Construction Regulatory Submittals & Approvals (EIA)	125	0	100%	04-Mar-20 A	28-Aug-20 A	☐		
119	CAR-1010	Submit Additional Construction Plans per RAWP (Final)	0	0	100%	15-May-20 A		☐		LADWP-1000, CAR-1005, PMOB-0005, CAR-1020, CAR-1015, CAR-1040,
120	EPA-1010	Receive EPA Approval on Additional Plans	0	0	100%	01-Jul-20 A		☐		
121	**Construction Regulatory Submittals & Approvals (EIA)**		534	0		31-Aug-20 A	28-Mar-22			
122	EIA1015	NPDES Reporting (Construction Phase)	347	0	80%	31-Aug-20 A	28-Mar-22	☐		
123	EIA1010	PM Implementation (Construction Phase)	443	0	80%	31-Aug-20 A	28-Mar-22	☐		
124	EIA1005	General Regulatory (Construction Phase)	443	0	80%	16-Sep-20 A	28-Mar-22	☐		
125	**Permitting & Procurement (Priority)**		463	0		04-Mar-20 A	03-Mar-22 A			
126	EIA-1025	Final Procurement - WAR	149	0	100%	04-Mar-20 A	02-Oct-20 A	☐		
127	EIA-1020	Assist LADWP with SCAR & Ind WW Permit	149	0	100%	04-Mar-20 A	02-Oct-20 A	☐		
128	CAR-1025	Collect LADBS Temp Construction Power Permit	1	0	100%	09-Oct-20 A	09-Oct-20 A	☐	CAR-1010	CAR-1030, MOB-0005
129	CAR-1030	Collect LADBS Electrical Permit	1	0	100%	02-Nov-20 A	02-Nov-20 A	☐	CAR-1025, CAR-1010	CAR-1040, WTUG-N0020
130	CAR-1040	Collect LADBS HVAC Permit	1	0	100%	17-Nov-20 A	17-Nov-20 A	☐	CAR-1030, CAR-1010	WH-0185, WH-0195, WH-0285, WH-0170
131	CAR-1020	Collect LADBS Grading Permit	1	0	100%	08-Dec-20 A	08-Dec-20 A	☐	CAR-1010, CAR-1005	CAR-1035
132	CAR-1015	Collect LADBS Building Permit	1	0	100%	08-Dec-20 A	08-Dec-20 A	☐	CAR-1010, CAR-1005	CAR-1035
133	CAR-1035	Collect LADBS Plumbing Permit	1	0	100%	30-Mar-21 A	30-Mar-21 A	☐	CAR-1015, CAR-1020	WTUG-N0011, WTS-0005, CAR-1055A
134	CAR-1050A	Collect BOE U Permit - Kittridge	131	0	100%	27-May-21 A	01-Dec-21 A	☐		
135	CAR-1055A5	Release Well Sites DCB	1	0	100%	09-Jul-21 A	09-Jul-21 A	☐		CAR-1055A, CAR-1060A
136	CAR-1045A5	Honeywell Pays Discharge Fees	12	0	100%	02-Aug-21 A	17-Aug-21 A	☐		CAR-1045A
137	CAR-1060A	Collect LADBS Well Sites Electrical Permits (5)	14	0	100%	30-Aug-21 A	17-Sep-21 A	☐	CAR-1055A5	WTS-0050
138	CAR-1045A	Collect BOE S Permit	19	0	100%	30-Aug-21 A	24-Sep-21 A	☐	CAR-1045A5	WTS-0050
139	CAR-1055A	Collect LADBS Well Sites Building Permits (5)	83	0	100%	02-Sep-21 A	03-Mar-22 A	☐	CAR-1035, CAR-1055A5	GW-EQ20, GW-DM0010, WTS-0050
140	**AOP Storage Fees**		223	0		16-Sep-20 A	29-Jul-21 A			
141	EIA-1035	AOP Storage Fees	220	0	100%	16-Sep-20 A	29-Jul-21 A	☐		
142	**Prepatory Meetings**		404	19		18-Sep-20 A	22-Apr-22			
143	EIA-1005	Pre-Construction Conference	1	0	100%	18-Sep-20 A	18-Sep-20 A	☐		
144	DEMO-0013	DFOW-04 Preparatory Meeting (Demolition & Dispo	1	0	100%	04-Dec-20 A	04-Dec-20 A	☐	MOB-0005	DEMO-0020
145	MOB-0008	DFOW-01 Preparatory Meeting (Survey)	13	0	100%	13-Jan-21 A	29-Jan-21 A	☐	MOB-0010	MOB-0020
146	WTUG-N0085	DFOW-05 Preparatory Meeting (Excavation & Backf	1	0	100%	02-Feb-21 A	02-Feb-21 A	☐	MOB-0005	WTUG-N0005
147	WTUG-N0095	DFOW-06 Preparatory Meeting (UG Piping)	1	0	100%	17-Feb-21 A	17-Feb-21 A	☐	MOB-0005	WTUG-N0010



Remaining LOE | Remaining Work | Milestone
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wood.

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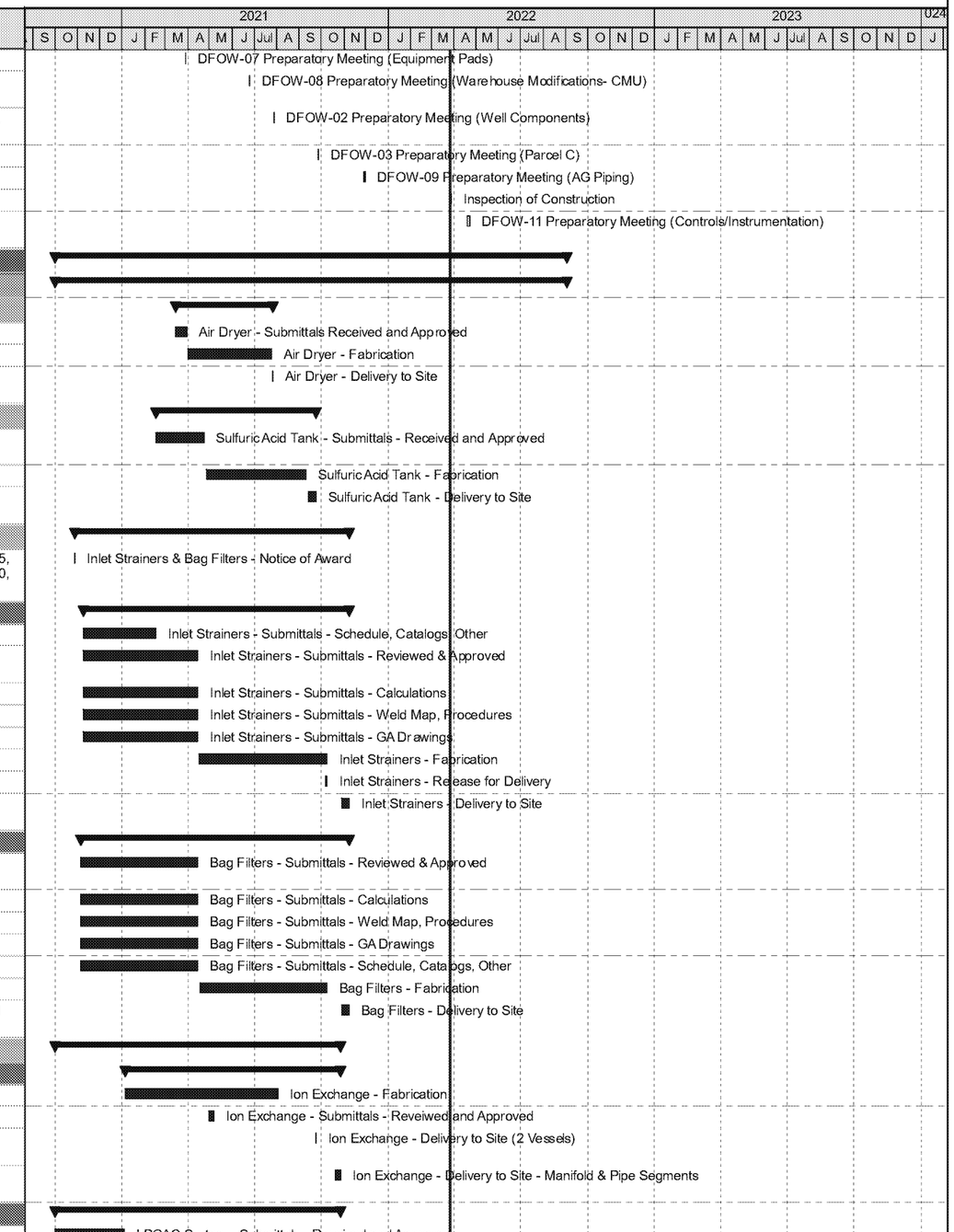
#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
148	WTFD-N105	DFOW-07 Preparatory Meeting (Equipment Pads)	1	0	100%	29-Mar-21 A	29-Mar-21 A		WTFD-N104	
149	WH-0002	DFOW-08 Preparatory Meeting (Warehouse Modifications- CMU)	1	0	100%	25-Jun-21 A	25-Jun-21 A		MOB-0005, WTS-0034	WH-460A
150	GW-DM0020	DFOW-02 Preparatory Meeting (Well Components)	1	0	100%	28-Jul-21 A	28-Jul-21 A		MOB-0005	GW-EQ0010, GW-SW0025, GW-EX0005
151	WTS-0034	DFOW-03 Preparatory Meeting (Parcel C)	1	0	100%	27-Sep-21 A	27-Sep-21 A		MOB-0005	WH-0002
152	WTEQ-0008	DFOW-09 Preparatory Meeting (AG Piping)	41	0	100%	29-Nov-21 A	29-Nov-21 A			CN-0020, M8
153	EPA-1015	Inspection of Construction	1	1	0%	28-Mar-22	28-Mar-22			
154	WTAG-0045	DFOW-11 Preparatory Meeting (Controls/Instrumentation)	5	5	0%	18-Apr-22*	22-Apr-22		WH-470A	M8
155	**Procurement**		486	112		01-Oct-20 A	02-Sep-22			
156	**Equipment Deliveries**		486	112		01-Oct-20 A	02-Sep-22			
157	**ProtectoSeal**		95	0		15-Mar-21 A	27-Jul-21 A			
158	WTEQ-0095	Air Dryer - Submittals Received and Approved	13	0	100%	15-Mar-21 A	31-Mar-21 A			CN-0020, M8, WTEQ-125A
159	WTEQ-125A	Air Dryer - Fabrication	80	0	100%	01-Apr-21 A	25-Jul-21 A		WTEQ-0095	WTEQ-130A
160	WTEQ-130A	Air Dryer - Delivery to Site	2	0	100%	26-Jul-21 A	27-Jul-21 A		WTEQ-125A, WTFD-N125A, WTFD-N0060	WTAG-0005
161	**Modern Custom Fabrication**		155	0		16-Feb-21 A	23-Sep-21 A			
162	WTEQ-0110	Sulfuric Acid Tank - Submittals - Received and Approved	48	0	100%	16-Feb-21 A	23-Apr-21 A		MOB-0005	WTEQ-0080
163	WTEQ-0080	Sulfuric Acid Tank - Fabrication	98	0	100%	26-Apr-21 A	10-Sep-21 A		WTEQ-0110	WTEQ-0055
164	WTEQ-0055	Sulfuric Acid Tank - Delivery to Site	9	0	100%	13-Sep-21 A	23-Sep-21 A		WTFD-N125A, WTEQ-0080, WTFD-S0025, WTFD-N0060	CN-0020, M8, WTEQ-0060
165	**Rosedale**		260	0		29-Oct-20 A	08-Nov-21 A			
166	RP-1000	Inlet Strainers & Bag Filters - Notice of Award	1	0	100%	29-Oct-20 A	29-Oct-20 A		PMOB-0010, PMOB-0005	RP-1045, RP-1040, RP-1035, RP-1030, RP-1005, RP-1020, RP-1015, RP-1010
167	**Inlet Strainers**		253	0		09-Nov-20 A	08-Nov-21 A			
168	RP-1005	Inlet Strainers - Submittals - Schedule, Catalogs, Oth	68	0	100%	09-Nov-20 A	17-Feb-21 A		RP-1000	RP-1025
169	RP-1025	Inlet Strainers - Submittals - Reviewed & Approved	108	0	100%	09-Nov-20 A	15-Apr-21 A		RP-1020, RP-1015, RP-1010, RP-1005	RP-0085A
170	RP-1020	Inlet Strainers - Submittals - Calculations	108	0	100%	09-Nov-20 A	15-Apr-21 A		RP-1000	RP-1025
171	RP-1015	Inlet Strainers - Submittals - Weld Map, Procedures	108	0	100%	09-Nov-20 A	15-Apr-21 A		RP-1000	RP-1025
172	RP-1010	Inlet Strainers - Submittals - GA Drawings	108	0	100%	09-Nov-20 A	15-Apr-21 A		RP-1000	RP-1025
173	RP-0085A	Inlet Strainers - Fabrication	123	0	100%	16-Apr-21 A	08-Oct-21 A		RP-1025	WTEQ-0060
174	WTEQ-0085	Inlet Strainers - Release for Delivery	0	0	100%	08-Oct-21 A	08-Oct-21 A			
175	WTEQ-0060	Inlet Strainers - Delivery to Site	7	0	100%	29-Oct-21 A	08-Nov-21 A		RP-0085A, WTFD-N0035, WTEQ-0055	CN-0020, WTAG-90, WTAG-0005, WTEQ-135A
176	**Bag Filters**		254	0		09-Nov-20 A	08-Nov-21 A			
177	RP-1050	Bag Filters - Submittals - Reviewed & Approved	109	0	100%	06-Nov-20 A	15-Apr-21 A		RP-1045, RP-1040, RP-1035, RP-1030	WTEQ-110, WTEQ-140A, WTEQ-140A
178	RP-1045	Bag Filters - Submittals - Calculations	109	0	100%	06-Nov-20 A	15-Apr-21 A		RP-1000	RP-1050
179	RP-1040	Bag Filters - Submittals - Weld Map, Procedures	109	0	100%	06-Nov-20 A	15-Apr-21 A		RP-1000	RP-1050
180	RP-1035	Bag Filters - Submittals - GA Drawings	109	0	100%	06-Nov-20 A	15-Apr-21 A		RP-1000	RP-1050
181	RP-1030	Bag Filters - Submittals - Schedule, Catalogs, Other	109	0	100%	06-Nov-20 A	15-Apr-21 A		RP-1000	RP-1050
182	WTEQ-110	Bag Filters - Fabrication	122	0	100%	19-Apr-21 A	08-Oct-21 A		RP-1050	WTEQ-135A
183	WTEQ-135A	Bag Filters - Delivery to Site	7	0	100%	29-Oct-21 A	08-Nov-21 A		WTEQ-110, WTFD-N0035, WTEQ-0060	CN-0020, WTAG-0005, M21
184	**Calgon Carbon**		271	0		01-Oct-20 A	26-Oct-21 A			
185	**Ion Exchange**		208	0		05-Jan-21 A	26-Oct-21 A			
186	WTEQ-0090	Ion Exchange - Fabrication	148	0	100%	05-Jan-21 A	02-Aug-21 A		PMOB-0010, PMOB-0005	WTEQ-0065
187	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
188	WTEQ-0065	Ion Exchange - Delivery to Site (2 Vessels)	0	0	100%	23-Sep-21 A	23-Sep-21 A		WTEQ-0090, WTEQ-140A, WTFD-N0040	WTAG-110
189	WTEQ-135	Ion Exchange - Delivery to Site - Manifold & Pipe Segments	4	0	100%	21-Oct-21 A	26-Oct-21 A			
190	**LPGAC System**		271	0		01-Oct-20 A	26-Oct-21 A			
191	WTEQ-145A	LPGAC System - Submittals - Received and Approve	63	0	100%	01-Oct-20 A	04-Jan-21 A		M1	WTEQ-120



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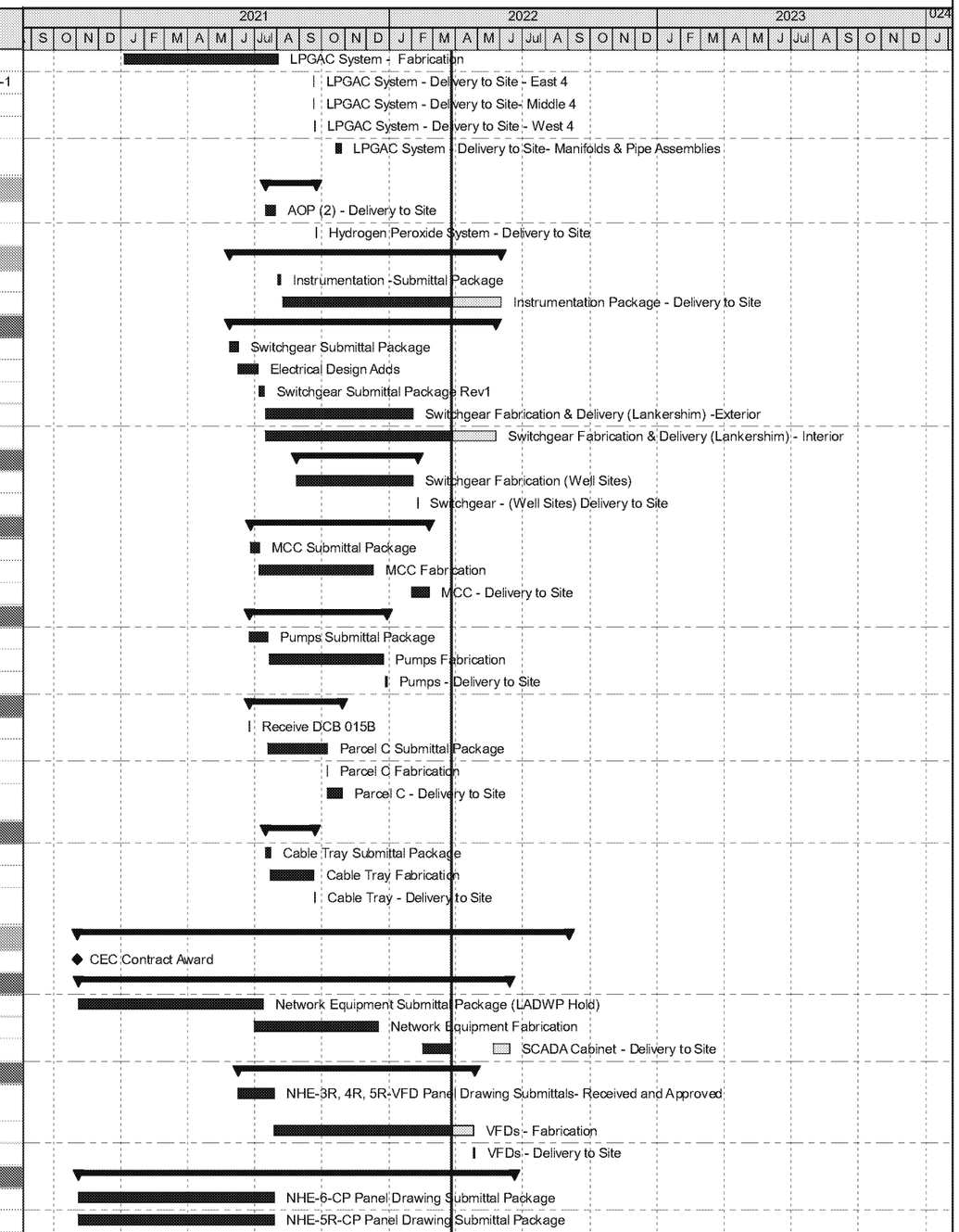
192	WTEQ-115	LPGAC System - Fabrication	148	0	100%	05-Jan-21 A	02-Aug-21 A		PMOB-0010, PMOB-0005	WTEQ-120
193	WTEQ-120	LPGAC System - Delivery to Site - East 4	0	0	100%	20-Sep-21 A	20-Sep-21 A		WTEQ-115, WTEQ-145A	CN-0020, WTAG-30, WTAG-1
194	WTEQ-125	LPGAC System - Delivery to Site- Middle 4	0	0	100%	21-Sep-21 A	21-Sep-21 A			
195	WTEQ-130	LPGAC System - Delivery to Site - West 4	0	0	100%	22-Sep-21 A	22-Sep-21 A			
196	WTEQ-140	LPGAC System - Delivery to Site- Manifolds & Pipe Assemblies	4	0	100%	21-Oct-21 A	26-Oct-21 A			WTAG-30
197	**Trojan**		49	0		16-Jul-21 A	24-Sep-21 A			
198	WTEQ-0070	AOP (2) - Delivery to Site	11	0	100%	16-Jul-21 A	30-Jul-21 A		WTFD-N0085	WTEQ-150A, WTEQ-180A
199	WTEQ-150A	Hydrogen Peroxide System - Delivery to Site	0	0	100%	24-Sep-21 A	24-Sep-21 A		WTEQ-0070	CN-0020, WTAG-0005
200	**AIS**		186	46		28-May-21 A	01-Jun-22			
201	A4000	Instrumentation -Submittal Package	5	0	100%	02-Aug-21 A	06-Aug-21 A			A1535A
202	A1535A	Instrumentation Package - Delivery to Site	123	46	84%	09-Aug-21 A	01-Jun-22		A4000	WTAG-135A
203	**Switchgear (Lankershim)**		169	42		28-May-21 A	22-May-22			
204	A2000	Switchgear Submittal Package	8	0	100%	28-May-21 A	09-Jun-21 A			A4005
205	A4005	Electrical Design Adds	20	0	100%	10-Jun-21 A	07-Jul-21 A		A2000	A3020, A2030, A2000.1
206	A2000.1	Switchgear Submittal Package Rev1	6	0	100%	08-Jul-21 A	15-Jul-21 A		A4005	A2010
207	A2010	Switchgear Fabrication & Delivery (Lankershim) -Ext	135	0	100%	16-Jul-21 A	03-Feb-22 A		A2000.1	WTAG-0031, WTAG-0030
208	A4580	Switchgear Fabrication & Delivery (Lankershim) - Int	135	42	72%	16-Jul-21 A	25-May-22			WTAG-0031
209	**Switchgear (Well Sites)**		117	0		27-Aug-21 A	08-Feb-22 A			
210	A4120	Switchgear Fabrication (Well Sites)	116	0	100%	27-Aug-21 A	02-Feb-22 A			A4110
211	A4110	Switchgear - (Well Sites) Delivery to Site	0	0	100%	08-Feb-22 A	08-Feb-22 A		A4120	WTAG-0030
212	**MCC**		161	0		27-Jun-21 A	24-Feb-22 A			
213	A2030	MCC Submittal Package	9	0	100%	27-Jun-21 A	08-Jul-21 A		A4005	A2040
214	A2040	MCC Fabrication	108	0	100%	09-Jul-21 A	10-Dec-21 A		A2030	A2050
215	A2050	MCC - Delivery to Site	10	0	100%	31-Jan-22 A	24-Feb-22 A		A2040	WH-0185
216	**Transfer Pumps**		167	0		25-Jun-21 A	23-Dec-21 A			
217	A2060	Pumps Submittal Package	18	0	100%	25-Jun-21 A	20-Jul-21 A			A2070
218	A2070	Pumps Fabrication	144	0	100%	21-Jul-21 A	23-Dec-21 A		A2060	A2080
219	A2080	Pumps - Delivery to Site	5	0	100%	28-Dec-21 A	28-Dec-21 A		A2070, WTFD-S0050	WTAG-0010
220	**Parcel C**		91	0		24-Jun-21 A	29-Oct-21 A			
221	A4010	Receive DCB 015B	1	0	100%	24-Jun-21 A	24-Jun-21 A			A3000
222	CN-20	Parcel C Submittal Package	57	0	100%	20-Jul-21 A	08-Oct-21 A			A3000
223	A3000	Parcel C Fabrication	0	0	100%	08-Oct-21 A	08-Oct-21 A		CN-20, A4010	A3010
224	A3010	Parcel C - Delivery to Site	16	0	100%	08-Oct-21 A	29-Oct-21 A		A3000	WTS-0035, WTS-70A, WTS-90A
225	**Cable Tray**		48	0		16-Jul-21 A	22-Sep-21 A			
226	A3020	Cable Tray Submittal Package	5	0	100%	16-Jul-21 A	22-Jul-21 A		A4005	A3030
227	A3030	Cable Tray Fabrication	42	0	100%	23-Jul-21 A	21-Sep-21 A		A3020	A3040
228	A3040	Cable Tray - Delivery to Site	1	0	100%	22-Sep-21 A	22-Sep-21 A		A3030	WTAG-130A, WTAG-125A, WH-470A
229	**CEC**		464	112		03-Nov-20 A	02-Sep-22			
230	A1010	CEC Contract Award	0	0	100%		03-Nov-20 A		PMOB-0010	A1135
231	**Network Equipment**		376	15		04-Nov-20 A	13-Jun-22			
232	A1135	Network Equipment Submittal Package (LADWP Ho	173	0	100%	04-Nov-20 A	13-Jul-21 A		A1000, A1010	A1470, A1520A
233	A1520A	Network Equipment Fabrication	119	0	100%	01-Jul-21 A	17-Dec-21 A		A1135	WTEQ-0105
234	WTEQ-0105	SCADA Cabinet - Delivery to Site	15	15	60%	16-Feb-22 A	13-Jun-22		A1470, A1520A	WTAG-0055
235	**VFD**		228	22		09-Jun-21 A	27-Apr-22			
236	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
237	A1440	VFDs - Fabrication	126	20	95%	28-Jul-21 A	25-Apr-22		A1090, A1000, A1090	WTAG-0050, A1525A
238	A1525A	VFDs - Delivery to Site	2	2	0%	26-Apr-22	27-Apr-22		A1440	
239	**Well Control Panel**		411	55		04-Nov-20 A	20-Jun-22			
240	A1075	NHE-6-CP Panel Drawing Submittal Package	184	0	100%	04-Nov-20 A	28-Jul-21 A		A1000	A1060
241	A1060	NHE-5R-CP Panel Drawing Submittal Package	184	0	100%	04-Nov-20 A	28-Jul-21 A		A1075	A1045
242	A1045	NHE-4R-CP Panel Drawing Submittal Package	184	0	100%	04-Nov-20 A	28-Jul-21 A		A1060	A1470



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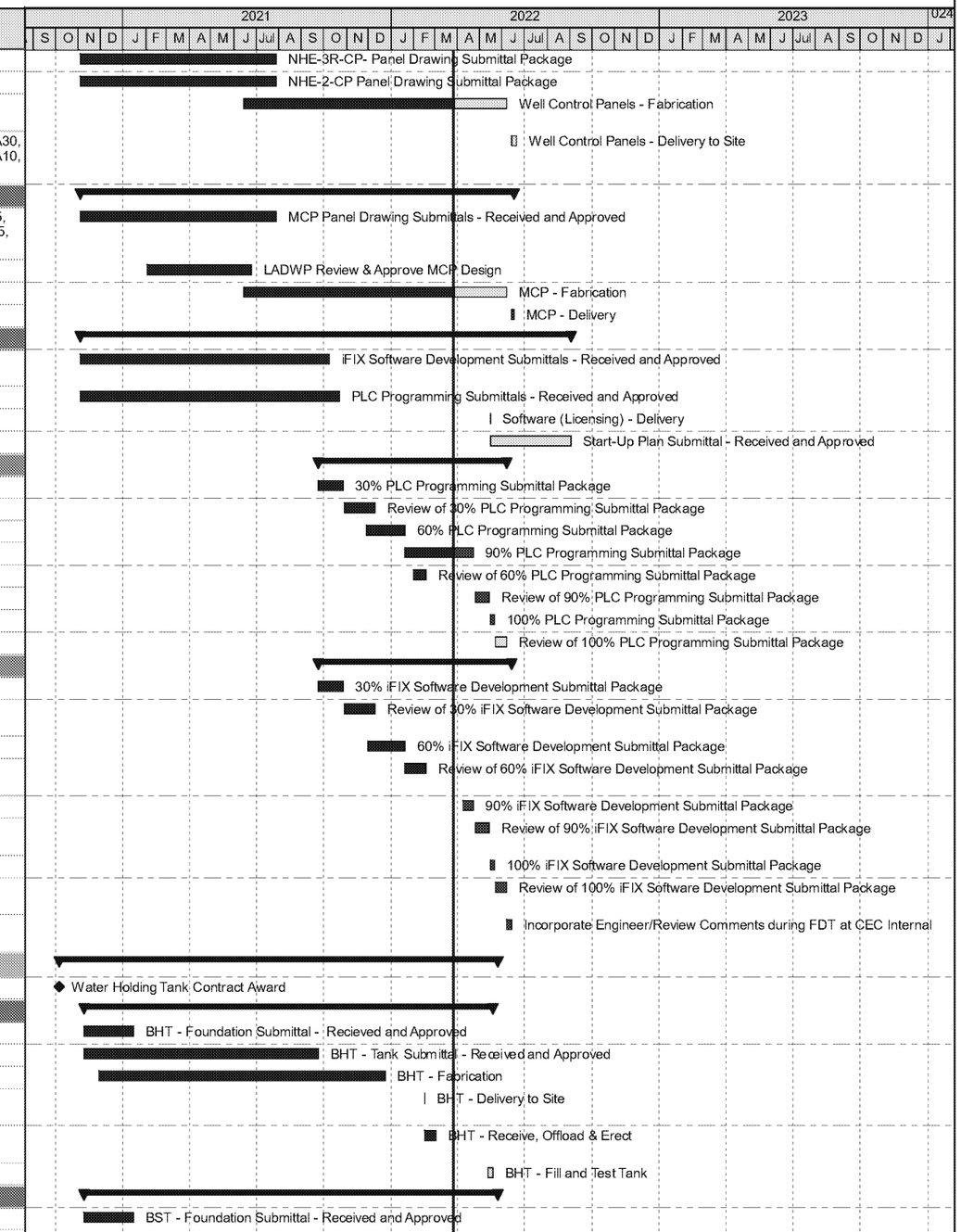
243	A1030	NHE-3R-CP- Panel Drawing Submittal Package	184	0	100%	04-Nov-20 A	28-Jul-21 A	☐	A1000	A1470
244	A1015	NHE-2-CP Panel Drawing Submittal Package	184	0	100%	04-Nov-20 A	28-Jul-21 A	☐	A1000	A1470, A1510A
245	A1470	Well Control Panels - Fabrication	200	49	85%	15-Jun-21 A	06-Jun-22	☐	A1135, A1030, A1015, A1000, A1045	WTEQ-0105, WTAG-0050, A1530A
246	A1530A	Well Control Panels - Delivery to Site	5	5	0%	14-Jun-22	20-Jun-22	☐	A4100, A1470	GW-SW25A40, GW-SW25A30, GW-SW25A20, GW-SW25A10, GW-SW25A
247	**Main Control Panel**		409	57		04-Nov-20 A	16-Jun-22			
248	A1000	MCP Panel Drawing Submittals - Received and Approved	184	0	100%	04-Nov-20 A	28-Jul-21 A	☐	PMOB-0010	A1470, A1185, A1150, A1135, A1090, A1075, A1030, A1015, WTEQ-0100, A1005, A1440
249	A1005	LADWP Review & Approve MCP Design	100	0	100%	03-Feb-21 A	24-Jun-21 A	☐	A1000	WTEQ-0100
250	WTEQ-0100	MCP - Fabrication	145	49	85%	15-Jun-21 A	06-Jun-22	☐	A1000, A1005	WTEQ-165A
251	WTEQ-165A	MCP - Delivery	3	3	0%	14-Jun-22	16-Jun-22	☑	A4100, WTEQ-0100	WTAG-0070
252	**Programming**		454	112		04-Nov-20 A	02-Sep-22			
253	A1185	iFIX Software Development Submittals - Received and Approved	234	0	100%	04-Nov-20 A	08-Oct-21 A	☐	A1000	A1450
254	A1150	PLC Programming Submittals - Received and Appro	245	0	100%	04-Nov-20 A	22-Oct-21 A	☐	A1000	A1230, A1450
255	A1450	Software (Licensing) - Delivery	1	1	0%	16-May-22	16-May-22	☐	A1150, A1185, A4055	WTAG-0055
256	A1230	Start-Up Plan Submittal - Received and Approved	78	78	0%	16-May-22	02-Sep-22	☐	A1150, A4055	
257	**PLC**		177	49		24-Sep-21 A	06-Jun-22			
258	A4025	30% PLC Programming Submittal Package	24	0	100%	24-Sep-21 A	28-Oct-21 A	☐		A4060, A4030
259	A4030	Review of 30% PLC Programming Submittal Packag	28	0	100%	29-Oct-21 A	10-Dec-21 A	☐	A4025	A4040
260	A4040	60% PLC Programming Submittal Package	24	0	100%	29-Nov-21 A	19-Jan-22 A	☐	A4030	A4045, A4075, A4050
261	A4050	90% PLC Programming Submittal Package	12	19	0%	19-Jan-22 A	22-Apr-22	☑	A4040	A4090, A4055
262	A4045	Review of 60% PLC Programming Submittal Packag	15	0	100%	31-Jan-22 A	17-Feb-22 A	☐	A4040	
263	A4055	Review of 90% PLC Programming Submittal Packag	15	15	0%	25-Apr-22	13-May-22	☑	A4050	A4070, A1230, A1450
264	A4070	100% PLC Programming Submittal Package	5	5	0%	16-May-22	20-May-22	☑	A4055	A4115, A4085
265	A4085	Review of 100% PLC Programming Submittal Packa	10	10	0%	23-May-22	06-Jun-22	☐	A4070	
266	**iFix**		182	45		24-Sep-21 A	13-Jun-22			
267	A4060	30% iFIX Software Development Submittal Package	24	0	100%	24-Sep-21 A	28-Oct-21 A	☐	A4025	A4065
268	A4065	Review of 30% iFIX Software Development Submittal Package	29	0	100%	29-Oct-21 A	10-Dec-21 A	☐	A4060	A4075
269	A4075	60% iFIX Software Development Submittal Package	24	0	100%	29-Nov-21 A	19-Jan-22 A	☐	A4040, A4065	A4080
270	A4080	Review of 60% iFIX Software Development Submittal Package	15	0	100%	20-Jan-22 A	17-Feb-22 A	☐	A4075	A4090
271	A4090	90% iFIX Software Development Submittal Package	10	10	0%	08-Apr-22	22-Apr-22	☑	A4050, A4080	A4095
272	A4095	Review of 90% iFIX Software Development Submittal Package	15	15	0%	25-Apr-22	13-May-22	☑	A4090	A4105, A4100
273	A4105	100% iFIX Software Development Submittal Packag	5	5	0%	16-May-22	20-May-22	☑	A4095	A4115
274	A4115	Review of 100% iFIX Software Development Submittal Package	10	10	0%	23-May-22	06-Jun-22	☑	A4070, A4105	A4100
275	A4100	Incorporate Engineer/Review Comments during FDT at CEC Internal	5	5	0%	07-Jun-22	13-Jun-22	☑	A4115, A4095	A1530A, WTEQ-165A
276	**UIG**		414	10		07-Oct-20 A	25-May-22			
277	A1490	Water Holding Tank Contract Award	0	0	100%	07-Oct-20 A		☐	PMOB-0005	A1480, A1475
278	**Backwash Holding Tank (North)**		366	0		09-Nov-20 A	18-May-22			
279	A1500	BHT - Foundation Submittal - Recieved and Approv	45	0	100%	09-Nov-20 A	15-Jan-21 A	☐		WTFD-N0070
280	A1510A	BHT - Tank Submittal - Received and Approved	222	0	100%	09-Nov-20 A	24-Sep-21 A	☐	A1015	A1495, A1515A
281	A1495	BHT - Fabrication	271	0	100%	30-Nov-20 A	23-Dec-21 A	☐	A1510A, PMOB-0005	A1505
282	A1505	BHT - Delivery to Site	1	0	100%	15-Feb-22 A	15-Feb-22 A	☐	A1495, WTFD-N0070, WTFD-S0025	A1485, CN-0020, M7, WTEQ-0005
283	WTEQ-0005	BHT - Receive, Offload & Erect	15	0	100%	15-Feb-22 A	02-Mar-22 A	☐	M4, A1505, WTFD-N0070, WTFD-N0075, WTFD-N125	WTEQ-0075, WTEQ-160A, WTAG-220A
284	WTEQ-160A	BHT - Fill and Test Tank	5	5	0%	12-May-22*	18-May-22	☐	WTEQ-0005, WTS-75	CN-0020, WTEQ-155A
285	**Backwash Supply Tank (South)**		391	0		09-Nov-20 A	25-May-22			
286	A1475	BST - Foundation Submittal - Received and Approve	45	0	100%	09-Nov-20 A	15-Jan-21 A	☐	A1490	A1515A, WTFD-S0025
287	A1515A	BST - Tank Submittal - Received and Approved	223	0	100%	09-Nov-20 A	27-Sep-21 A	☐	A1475, A1510A	A1480



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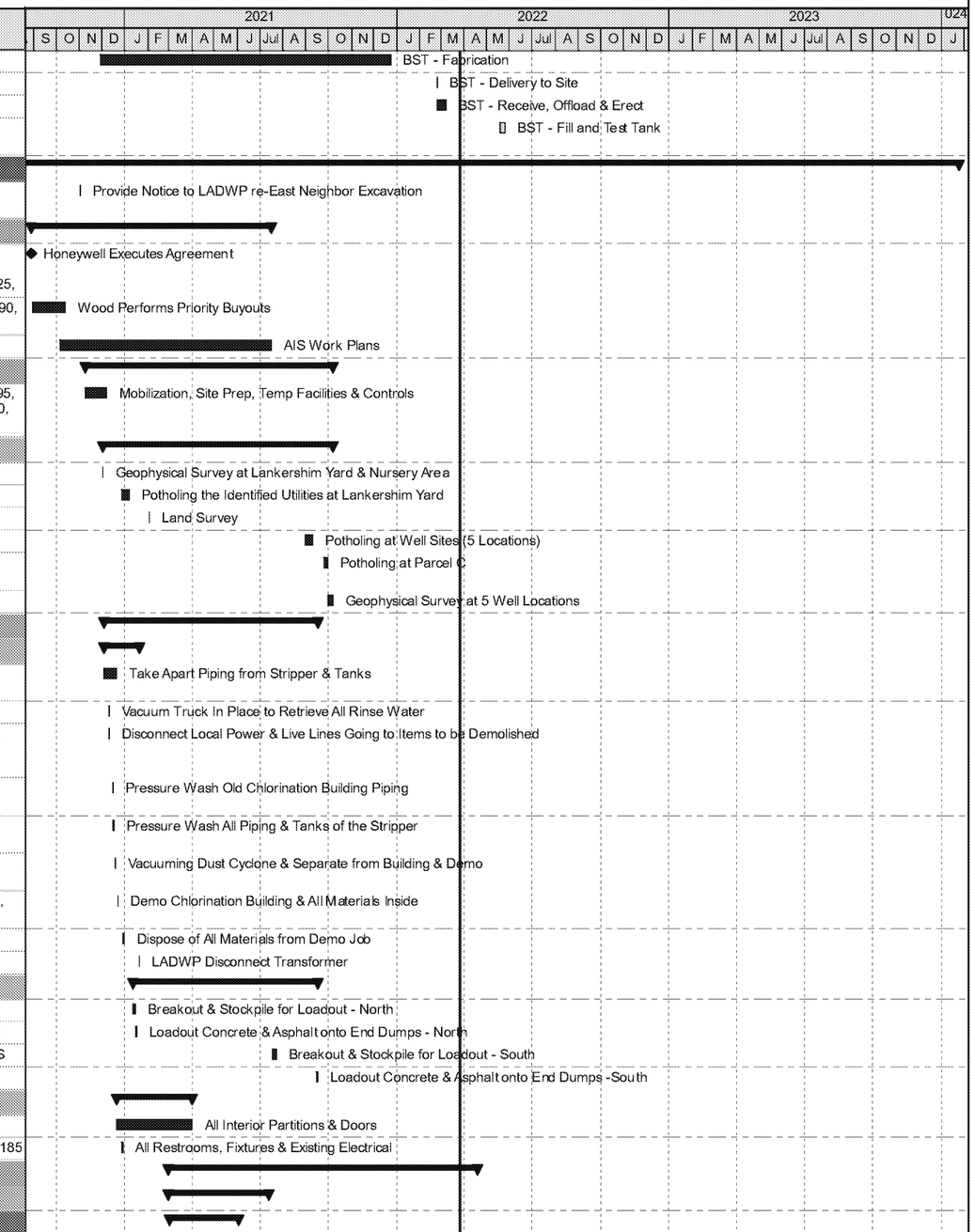
#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
288	A1480	BST - Fabrication	271	0	100%	30-Nov-20 A	23-Dec-21 A		A1490, A1515A	A1485
289	A1485	BST - Delivery to Site	0	0	100%	24-Feb-22 A	24-Feb-22 A		A1505, A1480, WTFD-S55	CN-0020
290	WTEQ-0075	BST - Receive, Offload & Erect	10	0	100%	25-Feb-22 A	07-Mar-22 A		M6, WTEQ-0005, WTFD-S00	WTEQ-155A
291	WTEQ-155A	BST - Fill and Test Tank	5	5	0%	19-May-22	25-May-22		WTEQ-0075, WTEQ-160A, WTS-75	CN-0020
292	**Phase 1B Treatment System Construction**		904	464		01-Jul-20 A	24-Jan-24			
293	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
294	**Pre Mobilization**		321	0		28-Aug-20 A	16-Jul-21 A			
295	PMOB-0005	Honeywell Executes Agreement	0	0	100%		28-Aug-20 A		CAR-1010	A1490, WTEQ-115, M1, WTEQ-0090, RP-1000, PMOB-0010, A1495, CO-0025,
296	PMOB-0010	Wood Performs Priority Buyouts	32	0	100%	31-Aug-20 A	14-Oct-20 A		PMOB-0005	A1010, RP-1000, WTEQ-0090, WTEQ-115, PMOB-0015,
297	PMOB-0015	AIS Work Plans	195	0	100%	07-Oct-20 A	16-Jul-21 A		PMOB-0010	
298	**Mobilization**		230	0		10-Nov-20 A	07-Dec-21 A			
299	MOB-0005	Mobilization, Site Prep, Temp Facilities & Controls	19	0	100%	10-Nov-20 A	08-Dec-20 A		CAR-1025, DEMO-0005, DEMO-0075, CAR-1010, CAR-1005, M1	WTUG-S0100, WTUG-N0095, WTUG-N0085, GW-DM0020, DEMO-0013, WH-0002,
300	**Utility Investigation/Locate/Protection & Positive Identi**		215	0		03-Dec-20 A	07-Oct-21 A			
301	MOB-0010	Geophysical Survey at Lankershim Yard & Nursery A	1	0	100%	03-Dec-20 A	03-Dec-20 A		MOB-0005, M2	MOB-0008, MOB-0015
302	MOB-0015	Potholing the Identified Utilities at Lankershim Yard	8	0	100%	28-Dec-20 A	07-Jan-21 A		MOB-0010	MOB-0020
303	MOB-0020	Land Survey	2	0	100%	03-Feb-21 A	04-Feb-21 A		MOB-0008, MOB-0015	
304	MOB-0035	Potholing at Well Sites (5 Locations)	7	0	100%	01-Sep-21 A	10-Sep-21 A		MOB-0025	GW-EQ0010, GW-SW0025
305	MOB-0030	Potholing at Parcel C	4	0	100%	26-Sep-21 A	30-Sep-21 A			WTS-0040, WTS-0035, MOB-0025
306	MOB-0025	Geophysical Survey at 5 Well Locations	5	0	100%	01-Oct-21 A	07-Oct-21 A		MOB-0030	MOB-0035
307	**Lankershim Yard Selective Demolition**		102	0		04-Dec-20 A	17-Sep-21 A			
308	**Exterior Selective Demolition**		31	0		04-Dec-20 A	20-Jan-21 A			
309	DEMO-0025	Take Apart Piping from Stripper & Tanks	13	0	100%	04-Dec-20 A	22-Dec-20 A		DEMO-0005, DEMO-0010, DEMO-0015, DEMO-0020	DEMO-0040, DEMO-0030
310	DEMO-0020	Vacuum Truck In Place to Retrieve All Rinse Water	1	0	100%	11-Dec-20 A	11-Dec-20 A		DEMO-0013, DEMO-0015	DEMO-0035, DEMO-0025
311	DEMO-0005	Disconnect Local Power & Live Lines Going to Items to be Demolished	1	0	100%	11-Dec-20 A	11-Dec-20 A			WTUG-S0115, DEMO-0035, DEMO-0025, DEMO-0010, MOB-0005
312	DEMO-0015	Pressure Wash Old Chlorination Building Piping	2	0	100%	16-Dec-20 A	17-Dec-20 A		DEMO-0010	DEMO-0035, DEMO-0025, DEMO-0020
313	DEMO-0010	Pressure Wash All Piping & Tanks of the Stripper	2	0	100%	16-Dec-20 A	17-Dec-20 A		DEMO-0005	DEMO-0035, DEMO-0025, DEMO-0015
314	DEMO-0035	Vacuuming Dust Cyclone & Separate from Building & Demo	12	0	100%	20-Dec-20 A	20-Dec-20 A		DEMO-0020, DEMO-0015, DEMO-0010, DEMO-0005	DEMO-0055
315	DEMO-0030	Demo Chlorination Building & All Materials Inside	1	0	100%	23-Dec-20 A	23-Dec-20 A		DEMO-0025	WTUG-N0005, DEMO-0040, DEMO-0070
316	DEMO-0040	Dispose of All Materials from Demo Job	3	0	100%	29-Dec-20 A	31-Dec-20 A		DEMO-0030, DEMO-0025	WTUG-N0005, DEMO-0045
317	DEMO-0075	LADWP Disconnect Transformer	1	0	100%	20-Jan-21 A	20-Jan-21 A			DEMO-0045, MOB-0005
318	**Surface & Subsurface Selective Demolition**		174	0		13-Jan-21 A	17-Sep-21 A			
319	DEMO-0045	Breakout & Stockpile for Loadout - North	3	0	100%	13-Jan-21 A	15-Jan-21 A		DEMO-0075, DEMO-0040	DEMO-0050
320	DEMO-0050	Loadout Concrete & Asphalt onto End Dumps - Nort	1	0	100%	15-Jan-21 A	17-Jan-21 A		DEMO-0045	WTUG-N0005, DEMO-0070
321	DEMO-0045S	Breakout & Stockpile for Loadout - South	5	0	100%	18-Jul-21 A	23-Jul-21 A		WTUG-N0040	DEMO-0050S, DEMO-0050S
322	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
323	**Warehouse Interior Selective Demolition**		71	0		21-Dec-20 A	01-Apr-21 A			
324	DEMO-0055	All Interior Partitions & Doors	71	0	100%	21-Dec-20 A	01-Apr-21 A		DEMO-0035	DEMO-0060
325	DEMO-0060	All Restrooms, Fixtures & Existing Electrical	2	0	100%	28-Dec-20 A	29-Dec-20 A		DEMO-0055	WH-0010, WH-460A, WH-0185
326	**Water Treatment UG MEP**		290	15		01-Mar-21 A	15-Apr-22			
327	**North Side**		96	0		01-Mar-21 A	14-Jul-21 A			
328	**UG Plumbing & Mechanical**		64	0		03-Mar-21 A	02-Jun-21 A			
329	**New Slab Area**		64	0		03-Mar-21 A	02-Jun-21 A			



Remaining LOE | Remaining Work | Milestone
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wood.

HON North Hollywood Operable Unit

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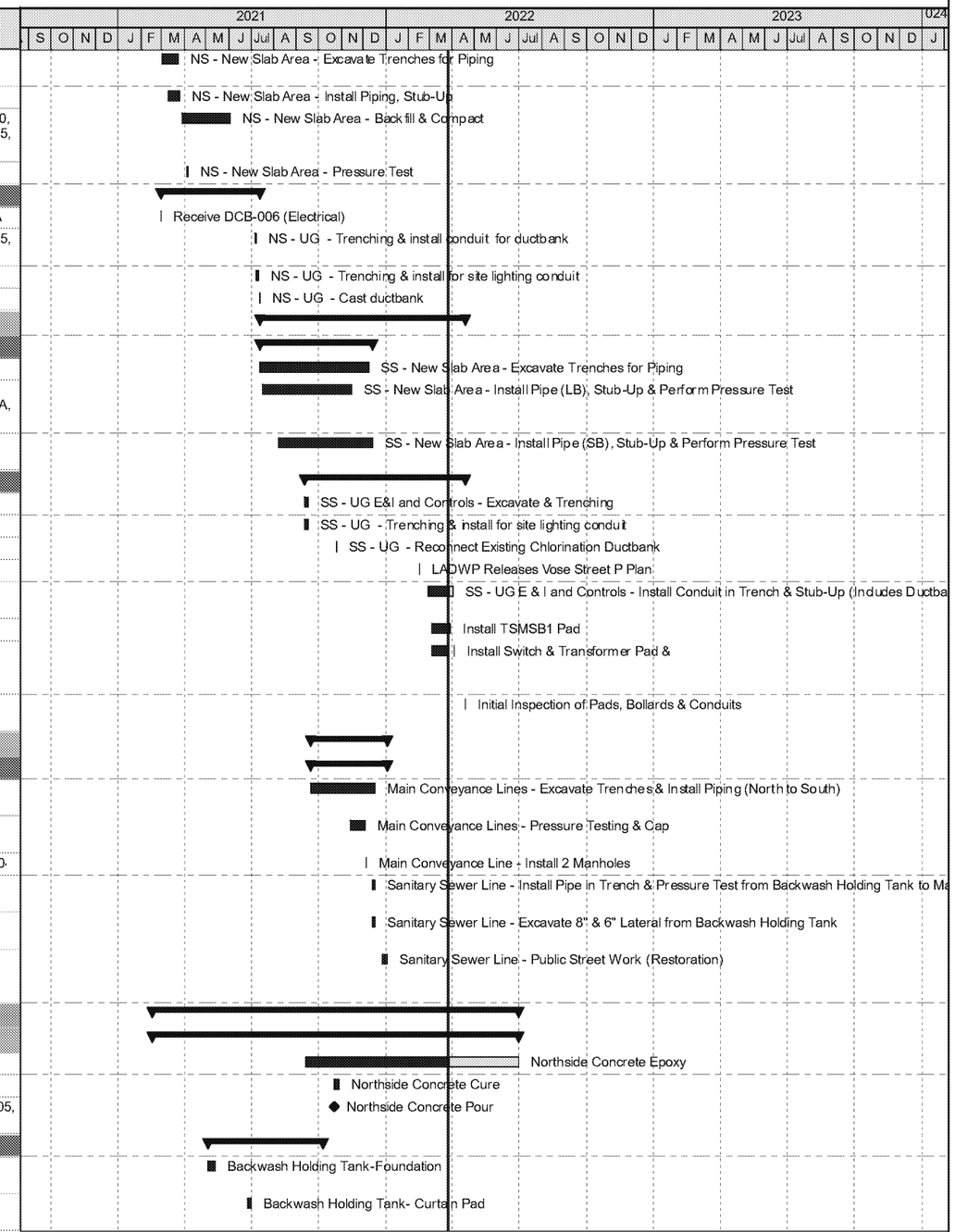
#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
330	WTUG-N0005	NS - New Slab Area - Excavate Trenches for Piping	16	0	100%	03-Mar-21 A	24-Mar-21 A		DEMO-0050, DEMO-0030, WTUG-N0085, DEMO-0040	WTUG-N0010
331	WTUG-N0010	NS - New Slab Area - Install Piping, Stub-Up	13	0	100%	10-Mar-21 A	26-Mar-21 A		WTUG-N0095, WTUG-N0005	WTUG-N0011
332	WTUG-N0015	NS - New Slab Area - Backfill & Compact	46	0	100%	29-Mar-21 A	02-Jun-21 A			WTUG-N0055, WTFD-N0020, WTUG-N0035, WTUG-N0065, M13, M3
333	WTUG-N0011	NS - New Slab Area - Pressure Test	2	0	100%	05-Apr-21 A	06-Apr-21 A		CAR-1035, WTUG-N0010	
334	UG Electrical		96	0		01-Mar-21 A	14-Jul-21 A			
335	WTUG-N0019	Receive DCB-006 (Electrical)	1	0	100%	01-Mar-21 A	01-Mar-21 A			WTUG-N0020, WTUG-N95A
336	WTUG-N0020	NS - UG - Trenching & install conduit for ductbank	3	0	100%	06-Jul-21 A	08-Jul-21 A		WTUG-N0019, CAR-1030	WTUG-N0065, WTUG-N0065, WTUG-N100A
337	WTUG-N95A	NS - UG - Trenching & install for site lighting conduit	3	0	100%	08-Jul-21 A	12-Jul-21 A		WTUG-N0019	
338	WTUG-N100A	NS - UG - Cast ductbank	1	0	100%	14-Jul-21 A	14-Jul-21 A		WTUG-N0020	
339	South Side		196	16		13-Jul-21 A	19-Apr-22			
340	UG Plumbing & Mechanical		108	0		13-Jul-21 A	13-Dec-21 A			
341	WTUG-S0005	SS - New Slab Area - Excavate Trenches for Piping	104	0	100%	13-Jul-21 A	08-Dec-21 A		CN-0010, WTFD-N0020	WTUG-S0010
342	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	WTUG-S115, WTUG-S0020, WTUG-S0060, WTUG-N105A, M5, M23, WTFD-S65
343	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
344	UG Electrical		153	16		12-Sep-21 A	19-Apr-22			
345	WTUG-S0020	SS - UG E&I and Controls - Excavate & Trenching	5	0	100%	12-Sep-21 A	17-Sep-21 A		WTUG-S0010, WTUG-N105A	WTUG-S0025
346	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
347	WTUG-N105A'	SS - UG - Reconnect Existing Chlorination Ductbanl	1	0	100%	25-Oct-21 A	25-Oct-21 A			
348	WTUG-S120	LADWP Releases Vose Street P Plan	1	0	100%	15-Feb-22 A	15-Feb-22 A			WTUG-S0025
349	WTUG-S0025	SS - UG E & I and Controls - Install Conduit in Trench & Stub-Up (Includes Ductbank & Switch to PL	4	5	90%	28-Feb-22 A	01-Apr-22		WTUG-S120, WTUG-S0020	WTUG-S0085
350	WTUG-S125	Install TSMSB1 Pad	3	3	0%	04-Mar-22 A	30-Mar-22			
351	WTUG-S0085	Install Switch & Transformer Pad &	3	0	90%	04-Mar-22 A	04-Apr-22		WTUG-S0025	WTAG-0065, WTAG-0070, WTAG-0030, WTFD-S0005, WTAG-120A
352	WTAG-0065	Initial Inspection of Pads, Bollards & Conduits	1	1	0%	19-Apr-22	19-Apr-22		WTUG-S0085, WTFD-S0005, WTFD-S0025	WTAG-0030
353	Other		98	0		20-Sep-21 A	03-Jan-22 A			
354	Main Conveyance Lines		86	0		20-Sep-21 A	03-Jan-22 A			
355	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
356	WTUG-N0040	Main Conveyance Lines - Pressure Testing & Cap	13	0	100%	14-Nov-21 A	03-Dec-21 A		WTS-0015	WTUG-N0060, WTS-0050, WTS-0005, DEMO-0045S
357	WTS-0015	Main Conveyance Line - Install 2 Manholes	0	0	100%	06-Dec-21 A	06-Dec-21 A		WTUG-N0035	M22, WTS-0050, WTUG-N00
358	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
359	WTS-0005	Sanitary Sewer Line - Excavate 8" & 6" Lateral from Backwash Holding Tank	5	0	100%	13-Dec-21 A	17-Dec-21 A		CAR-1035, WTFD-S0025, WTUG-N0040	WTS-0010, WTS-0020
360	WTS-0050	Sanitary Sewer Line - Public Street Work (Restoration)	3	0	100%	27-Dec-21 A	03-Jan-22 A		CAR-1055A, WTUG-N0040, WTS-0015, WTS-0010, CAR-1045A, CAR-1060A	WTS-0060, WTS-0020
361	Foundations		253	67		16-Feb-21 A	30-Jun-22			
362	North Side		249	67		16-Feb-21 A	30-Jun-22			
363	WTFD-N135	Northside Concrete Epoxy	102	67	40%	14-Sep-21 A	30-Jun-22			
364	WTFD-N130	Northside Concrete Cure	5	0	100%	22-Oct-21 A	29-Oct-21 A		WTFD-N125	
365	WTFD-N125	Northside Concrete Pour	0	0	100%		22-Oct-21 A		WTFD-N0045, WTFD-N130A, WTFD-N125A, WTFD-N0030	M7, WTAG-220A, WTEQ-0005, CN-0020, WTFD-N130
366	Northwest Side		172	0		03-May-21 A	07-Oct-21 A			
367	WTFD-N0070	Backwash Holding Tank-Foundation	9	0	100%	03-May-21 A	13-May-21 A		A1500	CN-0020, M7, M4, WTEQ-0005, A1505
368	WTFD-N0075	Backwash Holding Tank- Curtain Pad	5	0	100%	27-Jun-21 A	02-Jul-21 A		WTFD-S55	CN-0020, M7, WTEQ-0005, WTFD-N115



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HON North Hollywood Operable Unit

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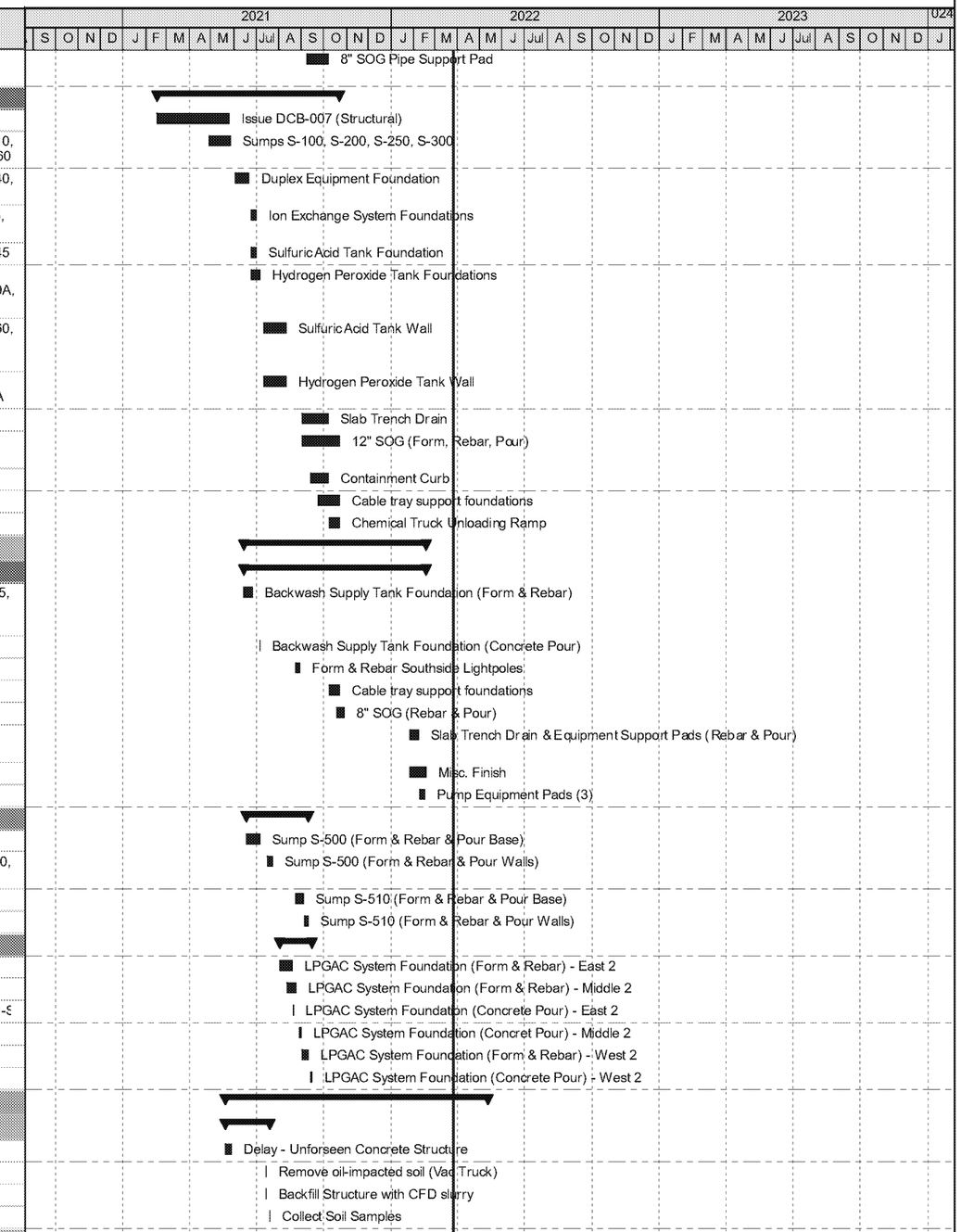
#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
369	WTFD-N0055	8" SOG Pipe Support Pad	21	0	100%	09-Sep-21 A	07-Oct-21 A		WTFD-N125A, WTFD-N0045, WTFD-N130A	WTAG-220A
370	**Northeast Side**		176	0		16-Feb-21 A	22-Oct-21 A			
371	WTFD-N104	Issue DCB-007 (Structural)	71	0	100%	16-Feb-21 A	26-May-21 A			WTFD-N105
372	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-S0005, WTFD-N0010, WTFD-N0035, WTUG-N0060
373	WTFD-N0035	Duplex Equipment Foundation	13	0	100%	03-Jun-21 A	21-Jun-21 A		WTFD-N0020	WTFD-N0025, WTFD-N0040, WTEQ-0060, WTEQ-135A,
374	WTFD-N0040	Ion Exchange System Foundations	7	0	100%	24-Jun-21 A	02-Jul-21 A		WTFD-N0035	CN-0020, WTAG-0005, M15, WTEQ-0065
375	WTFD-N0025	Sulfuric Acid Tank Foundation	7	0	100%	24-Jun-21 A	02-Jul-21 A		WTFD-N0035	WTFD-N0090, WTFD-N0045
376	WTFD-N0045	Hydrogen Peroxide Tank Foundations	10	0	100%	24-Jun-21 A	07-Jul-21 A		WTFD-N0025	CN-0020, WTAG-0005, WTFD-N0055, WTFD-N130A, WTFD-N125
377	WTFD-N125A	Sulfuric Acid Tank Wall	23	0	100%	12-Jul-21 A	11-Aug-21 A		WTFD-N130A	WTFD-N0055, WTFD-N0060, WTEQ-0055, WTEQ-130A, WTFD-N125
378	WTFD-N130A	Hydrogen Peroxide Tank Wall	23	0	100%	12-Jul-21 A	11-Aug-21 A		WTFD-N0045	WTFD-N0055, WTFD-S75, WTFD-N125, WTFD-N125A
379	WTFD-N110	Slab Trench Drain	25	0	100%	02-Sep-21 A	07-Oct-21 A		WTFD-N0060	CN-0020, WTFD-N0030
380	WTFD-N0060	12" SOG (Form, Rebar, Pour)	36	0	100%	02-Sep-21 A	22-Oct-21 A		WTFD-N125A	CN-0020, WTFD-N110, WTEQ-0055, WTEQ-130A,
381	WTFD-N115	Containment Curb	17	0	100%	14-Sep-21 A	07-Oct-21 A		WTFD-N0075	CN-0020
382	WTFD-N145	Cable tray support foundations	21	0	100%	24-Sep-21 A	22-Oct-21 A			WTFD-N150
383	WTFD-N0030	Chemical Truck Unloading Ramp	11	0	100%	08-Oct-21 A	22-Oct-21 A		WTFD-N110	M14, WTFD-N125
384	**South Side**		168	0		14-Jun-21 A	18-Feb-22 A			
385	**Concrete Work**		168	0		14-Jun-21 A	18-Feb-22 A			
386	WTFD-S0025	Backwash Supply Tank Foundation (Form & Rebar)	10	0	100%	14-Jun-21 A	25-Jun-21 A		A1475	M6, WTS-0005, WTEQ-0055, WTEQ-0075, WTAG-0065, A1505, WTFD-S55,
387	WTFD-S55	Backwash Supply Tank Foundation (Concrete Pour)	1	0	100%	07-Jul-21 A	07-Jul-21 A		WTFD-S0025	WTFD-N0075, A1485
388	WTFD-S135	Form & Rebar Southside Lightpoles	3	0	100%	25-Aug-21 A	30-Aug-21 A			
389	WTFD-N150	Cable tray support foundations	11	0	100%	08-Oct-21 A	22-Oct-21 A		WTFD-N145	
390	WTFD-S75	8" SOG (Rebar & Pour)	10	0	100%	18-Oct-21 A	29-Oct-21 A		WTFD-N130A, WTFD-S70	WH-480A, WTFD-S80
391	WTFD-S0045	Slab Trench Drain & Equipment Support Pads (Rebar & Pour)	17	0	100%	26-Jan-22 A	07-Feb-22 A		WTFD-S65	WTFD-S0050
392	WTFD-S80	Misc. Finish	5	0	100%	26-Jan-22 A	18-Feb-22 A		WTFD-S75	CN-0020
393	WTFD-S0050	Pump Equipment Pads (3)	5	0	100%	09-Feb-22 A	16-Feb-22 A		WTFD-S0045	WTFD-S0055, A2080
394	**Sump**		60	0		18-Jun-21 A	10-Sep-21 A			
395	WTFD-S60	Sump S-500 (Form & Rebar & Pour Base)	13	0	100%	18-Jun-21 A	06-Jul-21 A		WTFD-S0025	WTFD-S0020, WTFD-S65
396	WTFD-S0020	Sump S-500 (Form & Rebar & Pour Walls)	6	0	100%	16-Jul-21 A	23-Jul-21 A		WTFD-S60	WTFD-S0055, WTFD-S0010, WTFD-S110
397	WTFD-S110	Sump S-510 (Form & Rebar & Pour Base)	8	0	100%	25-Aug-21 A	03-Sep-21 A		WTFD-S0020	
398	WTFD-S85	Sump S-510 (Form & Rebar & Pour Walls)	4	0	100%	06-Sep-21 A	10-Sep-21 A		WTUG-S115	
399	**LPGAC**		31	0		02-Aug-21 A	14-Sep-21 A			
400	WTFD-S65	LPGAC System Foundation (Form & Rebar) - East 2	14	0	100%	02-Aug-21 A	19-Aug-21 A		WTFD-S60, WTUG-S0010	WTFD-S0045
401	WTFD-S115	LPGAC System Foundation (Form & Rebar) - Middle	9	0	100%	13-Aug-21 A	25-Aug-21 A			
402	WTFD-S70	LPGAC System Foundation (Concrete Pour) - East 2	1	0	100%	20-Aug-21 A	20-Aug-21 A			CN-0020, WTAG-30, WTFD-S
403	WTFD-S125	LPGAC System Foundation (Concret Pour) - Middle	1	0	100%	30-Aug-21 A	30-Aug-21 A			
404	WTFD-S120	LPGAC System Foundation (Form & Rebar) - West	7	0	100%	01-Sep-21 A	10-Sep-21 A			
405	WTFD-S130	LPGAC System Foundation (Concrete Pour) - West	1	0	100%	14-Sep-21 A	14-Sep-21 A			
406	**Sewers & Conveyance Lines**		289	32		25-May-21 A	12-May-22			
407	**Unknown Structure Closure**		43	0		20-May-21 A	20-Jul-21 A			
408	A3060	Delay - Unforseen Concrete Structure	7	0	100%	20-May-21 A	28-May-21 A			
409	A3045	Remove oil-impacted soil (Vac Truck)	1	0	100%	15-Jul-21 A	15-Jul-21 A			A3050
410	A3050	Backfill Structure with CFD slurry	1	0	100%	15-Jul-21 A	15-Jul-21 A		A3045	A3055
411	A3055	Collect Soil Samples	1	0	100%	20-Jul-21 A	20-Jul-21 A		A3050	WTS-0055
412	**Storm Sewer**		169	32		13-Sep-21 A	12-May-22			



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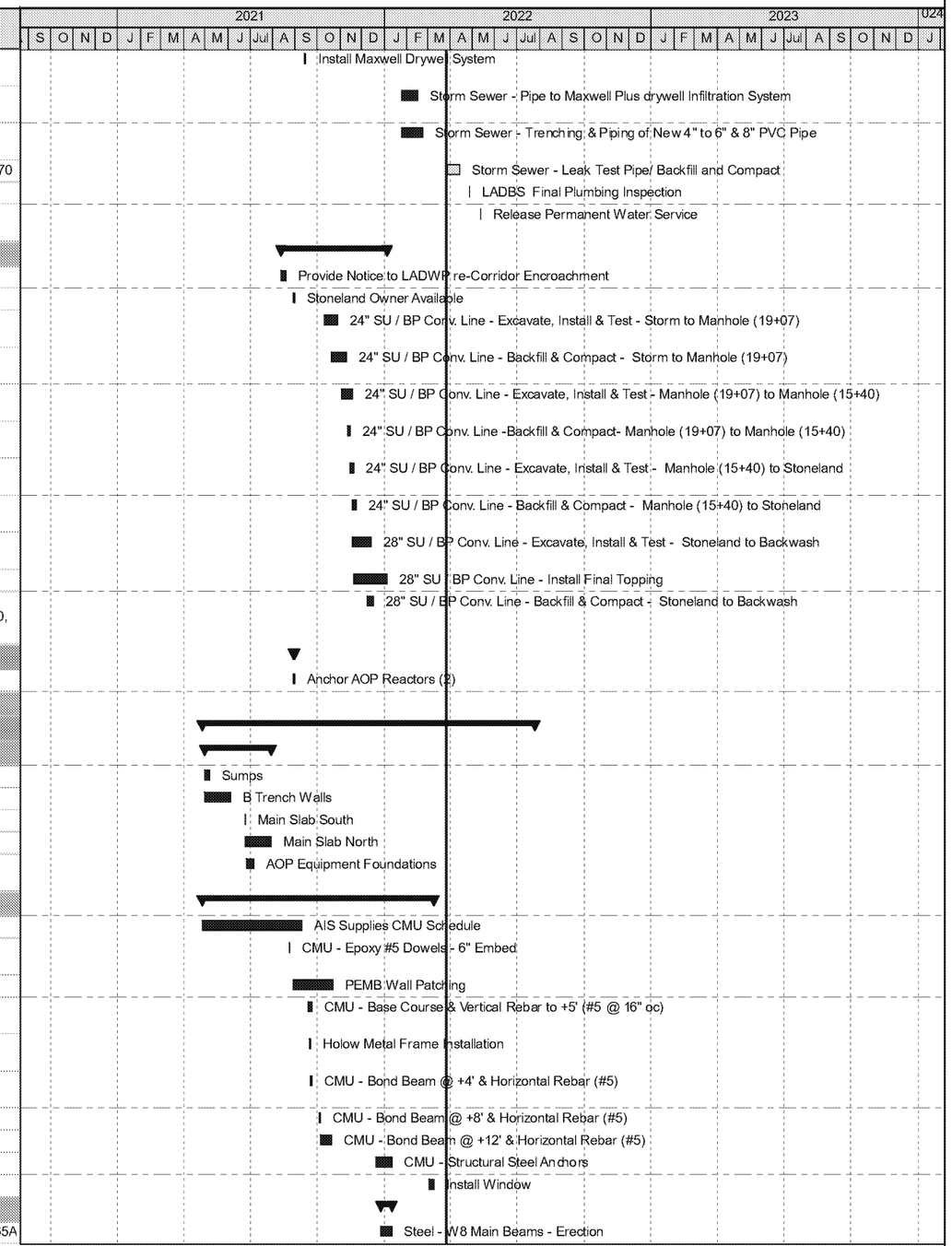
413	WTS-0055	Install Maxwell Drywell System	3	0	100%	13-Sep-21 A	15-Sep-21 A		A3055	WTS-0065, CN-0020, WTS-0025
414	WTS-0025	Storm Sewer - Pipe to Maxwell Plus drywell Infiltration System	3	0	100%	25-Jan-22 A	16-Feb-22 A		WTS-0055	SITE-0015, WTS-0030
415	WTS-0020	Storm Sewer - Trenching & Piping of New 4" to 6" & 8" PVC Pipe	2	0	100%	25-Jan-22 A	23-Feb-22 A		WTS-0050, WTS-0005	CN-0020
416	WTS-0030	Storm Sewer - Leak Test Pipe/ Backfill and Compact	14	14	0%	28-Mar-22	14-Apr-22		WTS-0025	WTS-0065, CN-0020, WTS-70
417	WTS-70	LADBS Final Plumbing Inspection	0	0	0%	28-Apr-22	28-Apr-22		WTS-0030, WH-480A	WTS-75
418	WTS-75	Release Permanent Water Service	0	0	0%	12-May-22	12-May-22		WTS-70	WTAG-100, WTEQ-160A, WTEQ-155A
419	**Parcel C**		101	0		12-Aug-21 A	04-Jan-22 A			
420	CN-0005	Provide Notice to LADWP re-Corridor Encroachment	6	0	100%	12-Aug-21 A	19-Aug-21 A		MOB-0005	WTS-0035
421	WTS-0033	Stoneland Owner Available	1	0	100%	30-Aug-21 A	30-Aug-21 A			WTS-70A
422	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	WTS-80A, WTS-90A, M20
423	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-90A, WTS-100A
424	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		WTS-80A, WTS-0040, A3010	WTS-100A
425	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-80A, WTS-90A	WTS-0035, WTS-85A
426	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-0035, A3010, WTS-0033	WTS-75A
427	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	
428	WTS-0035	28" SU / BP Conv. Line - Excavate, Install & Test - Stoneland to Backwash	16	0	100%	18-Nov-21 A	13-Dec-21 A		WTS-100A, CN-0005, MOB-0030, A3010	WTS-0045, WTS-70A
429	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
430	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	WTS-0070, CN-0020, AIS-9000, M9, CO-0025, M10, CO-0015, M11
431	**Water Treatment Equipment**		2	0		30-Aug-21 A	31-Aug-21 A			
432	WTEQ-180A	Anchor AOP Reactors (2)	2	0	100%	30-Aug-21 A	31-Aug-21 A		WTFD-N0085, WTEQ-0070	CN-0020, WTAG-25
433	**Water Holding Tanks**		0	0						
434	**Warehouse Modifications**		342	84		30-Apr-21 A	29-Jul-22			
435	**Foundations**		64	0		30-Apr-21 A	29-Jul-21 A			
436	WTFD-N0110A	Sumps	5	0	100%	30-Apr-21 A	06-May-21 A			WTFD-N110A
437	WTFD-N110A	B Trench Walls	25	0	100%	30-Apr-21 A	04-Jun-21 A		WTFD-N0110A	WTFD-N0085
438	WTFD-N120A	Main Slab South	2	0	100%	24-Jun-21 A	25-Jun-21 A			WH-460A
439	WTFD-N115A	Main Slab North	26	0	100%	24-Jun-21 A	29-Jul-21 A		WTFD-N0085	CN-0020, WTAG-25
440	WTFD-N0085	AOP Equipment Foundations	8	0	100%	27-Jun-21 A	07-Jul-21 A		WTFD-N110A	WTFD-N0090, WTEQ-0070, WTFD-N115A, WTEQ-180A
441	**CMU**		252	0		26-Apr-21 A	10-Mar-22 A			
442	WH-435	AIS Supplies CMU Schedule	98	0	100%	26-Apr-21 A	10-Sep-21 A			WH-0010, WH-440
443	WH-0010	CMU - Epoxy #5 Dowels - 6" Embed	1	0	100%	24-Aug-21 A	24-Aug-21 A		DEMO-0060, WH-460A, WH-435, WH-440	WH-0045
444	WH-440	PEMB Wall Patching	39	0	100%	30-Aug-21 A	22-Oct-21 A		WH-435	WH-0010
445	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
446	WH-460A	Holow Metal Frame Installation	3	0	100%	20-Sep-21 A	22-Sep-21 A		DEMO-0060, WH-0002, WTFD-N120A	WH-0010, WH-0015
447	WH-0045	CMU - Bond Beam @ +4' & Horizontal Rebar (#5)	2	0	100%	22-Sep-21 A	23-Sep-21 A		WH-0010, WH-0015, WH-0015	WH-0085, WH-0060, WH-0285, WH-0285
448	WH-0060	CMU - Bond Beam @ +8' & Horizontal Rebar (#5)	3	0	100%	04-Oct-21 A	06-Oct-21 A		WH-0045	WH-0285, WH-0085
449	WH-0085	CMU - Bond Beam @ +12' & Horizontal Rebar (#5)	11	0	100%	06-Oct-21 A	20-Oct-21 A		WH-0045, WH-0060	WH-0090
450	WH-0090	CMU - Structural Steel Anchors	18	0	100%	21-Dec-21 A	11-Jan-22 A		WH-0085	WH-0130, WH-0120
451	WH-0385	Install Window	3	0	100%	03-Mar-22 A	10-Mar-22 A		WH-0290	WH-0400
452	**Steel**		22	0		27-Dec-21 A	12-Jan-22 A			
453	WH-0120	Steel - W8 Main Beams - Erection	19	0	100%	27-Dec-21 A	12-Jan-22 A		WH-0090	WH-0130, WH-0125, WH-465A



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

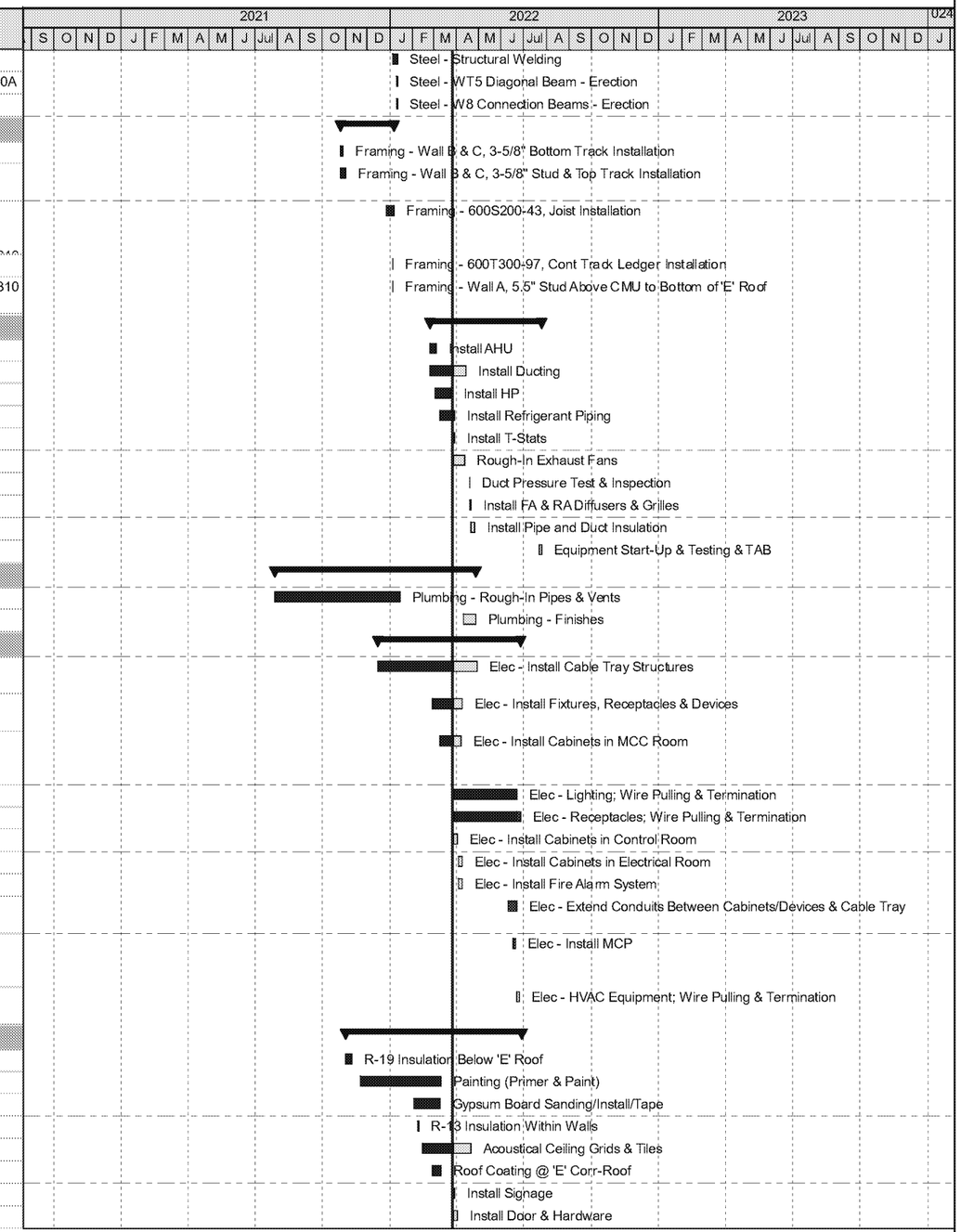
Project ID: 6519200010
TASK filter: All Activities

wood.

HON North Hollywood Operable Unit

Data Date: 26-Mar-22
Print: 04-Apr-22

#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
454	WH-465A	Steel - Structural Welding	8	0	100%	04-Jan-22 A	12-Jan-22 A	☐	WH-0120	WH-0145
455	WH-0130	Steel - WT5 Diagonal Beam - Erection	2	0	100%	10-Jan-22 A	12-Jan-22 A	☐	WH-0125, WH-0120, WH-0090	WH-0145, CN-0020, WH-470A
456	WH-0125	Steel - W8 Connection Beams - Erection	2	0	100%	10-Jan-22 A	12-Jan-22 A	☐	WH-0120	WH-0130
457	**Framing & Wall Openings**		66	0		25-Oct-21 A	06-Jan-22 A			
458	WH-0145	Framing - Wall B & C, 3-5/8" Bottom Track Installatic	4	0	100%	25-Oct-21 A	28-Oct-21 A	☐	WH-0130, WH-465A	WH-0290
459	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-0180, WH-0310
460	WH-0290	Framing - 600S200-43, Joist Installation	24	0	100%	27-Dec-21 A	06-Jan-22 A	☐	WH-0145	WH-0185, WH-0170, WH-0195, WH-0285, WH-0310, WH-0150,
461	WH-0180	Framing - 600T300-97, Cont Track Ledger Installatic	1	0	100%	05-Jan-22 A	05-Jan-22 A	☐	WH-0155, WH-0155, WH-0150	WH-0235
462	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-0180, WH-0180, WH-0310
463	**Mechanical**		104	84		23-Feb-22 A	26-Jul-22			
464	WH-0210	Install AHU	5	0	100%	23-Feb-22 A	04-Mar-22 A	☐	WH-0290	WH-0230, WH-0235
465	WH-0230	Install Ducting	5	14	75%	24-Feb-22 A	14-Apr-22	☐	WH-0210	WH-0245
466	WH-0200	Install HP	5	0	100%	02-Mar-22 A	25-Mar-22 A	☐	WH-0195	WH-0235
467	WH-0235	Install Refrigerant Piping	5	2	95%	09-Mar-22 A	29-Mar-22	☐	WH-0180, WH-0200, WH-0210	WH-0245, WH-0240
468	WH-0240	Install T-Stats	2	2	0%	28-Mar-22	29-Mar-22	☐	WH-0235	WH-0250, WH-0365
469	WH-0195	Rough-In Exhaust Fans	3	12	25%	30-Mar-22 A	12-Apr-22	☐	CAR-1040, WH-0290	WH-0200
470	WH-0245	Duct Pressure Test & Inspection	2	2	0%	18-Apr-22	19-Apr-22	☐	WH-0235, WH-0230	WH-0250
471	WH-0250	Install FA & RA Diffusers & Grilles	3	3	0%	18-Apr-22	20-Apr-22	☐	WH-0240, WH-0245	WH-0260
472	WH-0260	Install Pipe and Duct Insulation	3	3	0%	21-Apr-22	25-Apr-22	☐	WH-0250	WH-0265
473	WH-0265	Equipment Start-Up & Testing & TAB	3	3	0%	22-Jul-22	26-Jul-22	☐	WH-0260, WTAG-0085	CN-0020
474	**Plumbing**		191	12		28-Jul-21 A	27-Apr-22			
475	WH-0170	Plumbing - Rough-In Pipes & Vents	130	0	100%	28-Jul-21 A	14-Jan-22 A	☐	WH-0290, CAR-1040	WH-0285, WH-0185
476	WH-480A	Plumbing - Finishes	12	12	0%	11-Apr-22*	27-Apr-22	☐	WTFD-S75	WTS-70
477	**Electrical**		135	64		16-Dec-21 A	27-Jun-22			
478	WH-470A	Elec - Install Cable Tray Structures	31	23	0%	16-Dec-21 A	28-Apr-22	☐	WH-0130, A3040	WTAG-0020, WH-0185, WTAG-0045, WTAG-225A
479	WH-0430	Elec - Install Fixtures, Receptacles & Devices	10	10	30%	28-Feb-22 A	08-Apr-22	☐	WH-0185	WH-0435, WTAG-225A, WH-475A
480	WH-0185	Elec - Install Cabinets in MCC Room	5	8	50%	09-Mar-22 A	06-Apr-22	☐	CAR-1040, WH-470A, DEMO-0060, WH-0170, WH-0290, A2050	WH-0320, WH-490A, WTAG-225A, WH-0430
481	WH-0435	Elec - Lighting; Wire Pulling & Termination	2	0	75%	28-Mar-22 A	22-Jun-22	☐	WH-0430, WH-0320	CN-0020, WTAG-225A
482	WH-0370	Elec - Receptacles; Wire Pulling & Termination	4	4	40%	28-Mar-22 A	27-Jun-22	☑	WH-0320, WTAG-0070	WTAG-225A
483	WH-490A	Elec - Install Cabinets in Control Room	5	5	0%	28-Mar-22	01-Apr-22	☐	WH-0185	WH-485A, WTAG-225A
484	WH-485A	Elec - Install Cabinets in Electrical Room	5	5	0%	04-Apr-22	08-Apr-22	☐	WH-490A	WH-0320, WTAG-225A
485	WH-475A	Elec - Install Fire Alarm System	5	5	0%	04-Apr-22	08-Apr-22	☐	WH-0430	WTAG-225A
486	WH-0320	Elec - Extend Conduits Between Cabinets/Devices & Cable Tray	8	8	0%	10-Jun-22	21-Jun-22	☑	WH-0185, WH-485A, WTAG-0070	WH-0435, WTAG-225A, WH-0365, WH-0370
487	WTAG-0070	Elec - Install MCP	2	2	0%	17-Jun-22	20-Jun-22	☑	WTUG-S0085, WTEQ-165A	CN-0020, WTAG-0055, WH-0320, WTAG-225A, WH-0365, WH-0370
488	WH-0365	Elec - HVAC Equipment; Wire Pulling & Termination	3	3	0%	22-Jun-22	24-Jun-22	☐	WH-0320, WH-0240, WTAG-0070	WTAG-225A, WTAG-160A, WH-0285
489	**Misc**		209	65		01-Nov-21 A	28-Jun-22			
490	WH-0315	R-19 Insulation Below 'E' Roof	7	0	100%	01-Nov-21 A	09-Nov-21 A	☐	WH-0310	WH-0425, WH-0340
491	WH-0350	Painting (Primer & Paint)	98	0	100%	22-Nov-21 A	10-Mar-22 A	☐		CN-0020, WH-0380
492	WH-0340	Gypsum Board Sanding/Install/Tape	0	0	100%	02-Feb-22 A	10-Mar-22 A	☐	WH-0315	M25, WH-0415
493	WH-0310	R-13 Insulation Within Walls	3	0	100%	07-Feb-22 A	09-Feb-22 A	☐	WH-0290, WH-0155, WH-0150	WH-0315
494	WH-0415	Acoustical Ceiling Grids & Tiles	5	17	75%	14-Feb-22 A	20-Apr-22	☐	WH-0340	
495	WH-0425	Roof Coating @ 'E' Corr-Roof	9	0	100%	28-Feb-22 A	10-Mar-22 A	☐	WH-0315	
496	WH-0400	Install Signage	3	3	0%	28-Mar-22	30-Mar-22	☐	WH-0385	
497	WH-0380	Install Door & Hardware	5	5	0%	28-Mar-22	01-Apr-22	☐	WH-0350	CN-0020



Remaining LOE | Remaining Work | Milestone
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wood.

HON North Hollywood Operable Unit

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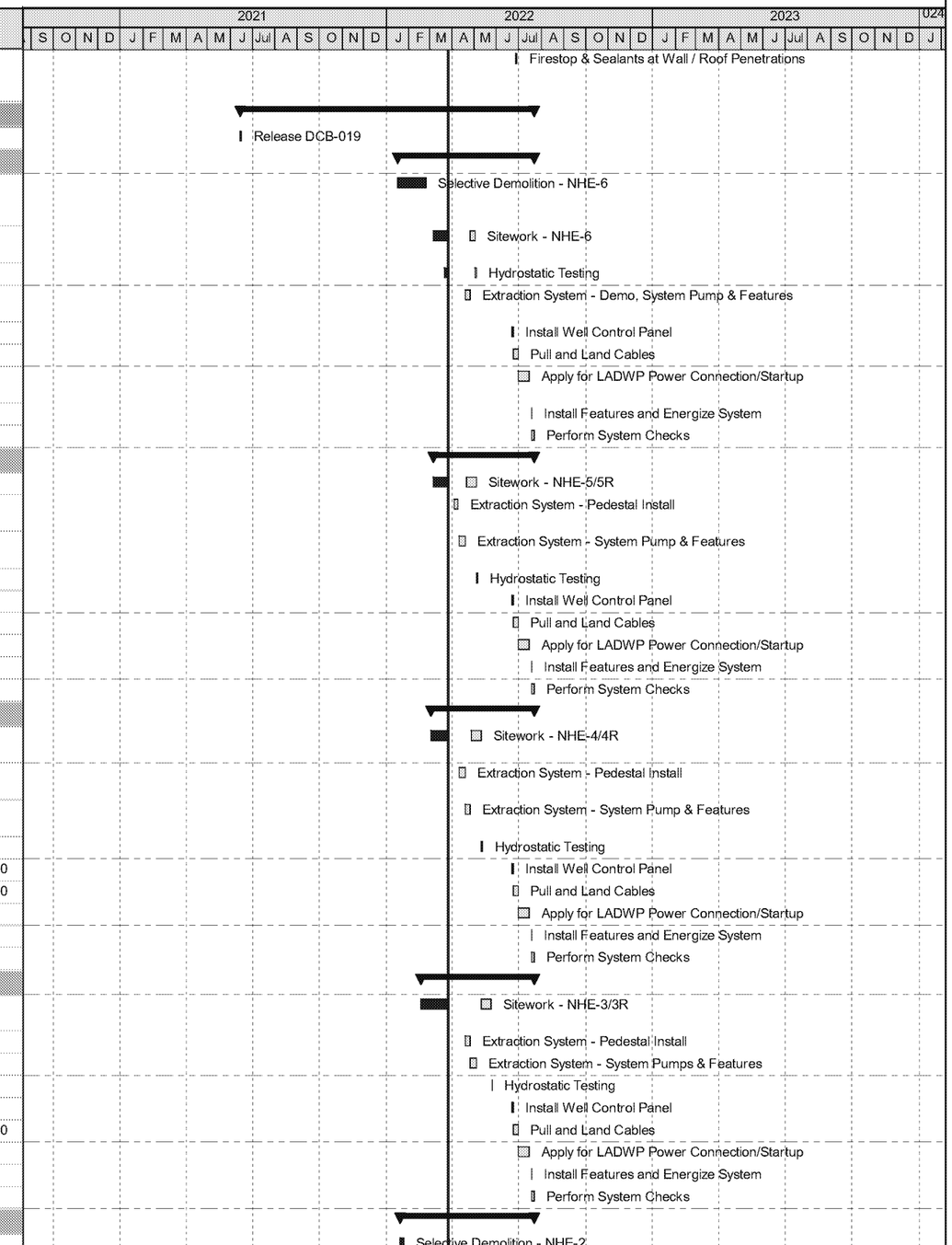
#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
498	WH-0285	Firestop & Sealants at Wall / Roof Penetrations	2	2	0%	27-Jun-22	28-Jun-22		WH-0170, CAR-1040, WH-0060, WH-0045, WH-0045, WH-0290, WH-0365	
499	**Groundwater Extraction System**		232	77		15-Jun-21 A	22-Jul-22			
500	GW-DM20A	Release DCB-019	1	0	100%	15-Jun-21 A	15-Jun-21 A			GW-DM0010
501	**NHE - 6**		127	68		17-Jan-22 A	22-Jul-22			
502	GW-DM0010	Selective Demolition - NHE-6	3	0	100%	17-Jan-22 A	24-Feb-22 A		CAR-1055A, GW-DM20A	GW-EQ0010, GW-SW0025, GW-EQ20, GW-EQ10A10, GW-EX0005, GW-DM50,
503	GW-SW0025	Sitework - NHE-6	5	5	0%	07-Mar-22 A	02-May-22		GW-EQ0010, GW-DM0020, GW-DM0010, MOB-0035	GW-SW25A, GW-HT0005
504	GW-HT0005	Hydrostatic Testing	2	2	0%	21-Mar-22 A	04-May-22		GW-EQ0010, GW-SW0025	CN-0020
505	GW-EQ0010	Extraction System - Demo, System Pump & Features	6	6	0%	18-Apr-22*	25-Apr-22		GW-DM0020, GW-DM0010, MOB-0035	GW-EQ70, GW-SW0025, GW-HT0005, M18
506	GW-SW25A	Install Well Control Panel	3	3	0%	21-Jun-22	23-Jun-22		GW-SW0025, A1530A	GW-EQ15A, GW-EQ10A
507	GW-EQ15A	Pull and Land Cables	5	5	0%	24-Jun-22	30-Jun-22		GW-SW25A	GW-EQ10A
508	GW-EQ10A	Apply for LADWP Power Connection/Startup	10	10	0%	01-Jul-22	15-Jul-22		GW-EQ15A, GW-DM0010, GW-SW25A	GW-EQ20A, WTAG-175A
509	GW-EQ20A	Install Features and Energize System	0	0	0%	18-Jul-22	18-Jul-22		GW-EQ10A	GW-EQ20A5, CN-0020
510	GW-EQ20A5	Perform System Checks	5	5	0%	18-Jul-22	22-Jul-22		GW-EQ20A	
511	**NHE - 5/5R**		77	77		07-Mar-22 A	22-Jul-22			
512	GW-SW25	Sitework - NHE-5/5R	10	10	0%	07-Mar-22 A	03-May-22		GW-EQ10, GW-EQ20	GW-SW25A10, GW-HT5
513	GW-EQ20	Extraction System - Pedestal Install	5	5	0%	04-Apr-22*	08-Apr-22		CAR-1055A, GW-DM0010	GW-EQ40, GW-EQ10, GW-SW25
514	GW-EQ10	Extraction System - System Pump & Features	6	6	0%	11-Apr-22	19-Apr-22		GW-EQ20	GW-SW25, GW-HT5, GW-EQ15A10
515	GW-HT5	Hydrostatic Testing	2	2	0%	04-May-22	05-May-22		GW-EQ10, GW-SW25	
516	GW-SW25A10	Install Well Control Panel	3	3	0%	21-Jun-22	23-Jun-22		GW-SW25, A1530A	GW-EQ15A10
517	GW-EQ15A10	Pull and Land Cables	5	5	0%	24-Jun-22	30-Jun-22		GW-SW25A10, GW-EQ10	GW-EQ10A10
518	GW-EQ10A10	Apply for LADWP Power Connection/Startup	10	10	0%	01-Jul-22	15-Jul-22		GW-EQ15A10, GW-DM0010	GW-EQ20A10
519	GW-EQ20A10	Install Features and Energize System	0	0	0%	18-Jul-22	18-Jul-22		GW-EQ10A10	GW-EQ20A15
520	GW-EQ20A15	Perform System Checks	5	5	0%	18-Jul-22	22-Jul-22		GW-EQ20A10	
521	**NHE - 4/4R**		72	72		03-Mar-22 A	22-Jul-22			
522	GW-SW35	Sitework - NHE-4/4R	10	10	0%	03-Mar-22 A	10-May-22		GW-EQ30, GW-EQ40	GW-SW45, GW-SW25A20, GW-HT15
523	GW-EQ40	Extraction System - Pedestal Install	5	5	0%	11-Apr-22	18-Apr-22		GW-EQ20	GW-EQ60, GW-EQ30, GW-SW35
524	GW-EQ30	Extraction System - System Pump & Features	6	6	0%	19-Apr-22	26-Apr-22		GW-EQ40	GW-SW35, GW-HT15, GW-EQ15A20
525	GW-HT15	Hydrostatic Testing	2	2	0%	11-May-22	12-May-22		GW-EQ30, GW-SW35	
526	GW-SW25A20	Install Well Control Panel	3	3	0%	21-Jun-22	23-Jun-22		A1530A, GW-SW35	GW-EQ15A20, GW-EQ10A20
527	GW-EQ15A20	Pull and Land Cables	5	5	0%	24-Jun-22	30-Jun-22		GW-SW25A20, GW-EQ30	GW-EQ10A20, GW-EQ20A20
528	GW-EQ10A20	Apply for LADWP Power Connection/Startup	10	10	0%	01-Jul-22	15-Jul-22		GW-EQ15A20, GW-SW25A20	
529	GW-EQ20A20	Install Features and Energize System	0	0	0%	18-Jul-22	18-Jul-22		GW-EQ15A20	GW-EQ20A25
530	GW-EQ20A25	Perform System Checks	5	5	0%	18-Jul-22	22-Jul-22		GW-EQ20A20	
531	**NHE - 3/3R**		67	67		17-Feb-22 A	22-Jul-22			
532	GW-SW45	Sitework - NHE-3/3R	10	10	0%	17-Feb-22 A	24-May-22		GW-SW35, GW-EQ50	GW-SW55, GW-SW25A30, GW-HT25
533	GW-EQ60	Extraction System - Pedestal Install	5	5	0%	19-Apr-22	25-Apr-22		GW-EQ40	GW-EQ50
534	GW-EQ50	Extraction System - System Pumps & Features	6	6	0%	26-Apr-22	03-May-22		GW-EQ60	GW-SW45, GW-HT25
535	GW-HT25	Hydrostatic Testing	2	2	0%	25-May-22	26-May-22		GW-EQ50, GW-SW45	
536	GW-SW25A30	Install Well Control Panel	3	3	0%	21-Jun-22	23-Jun-22		A1530A, GW-SW45	GW-EQ15A30
537	GW-EQ15A30	Pull and Land Cables	5	5	0%	24-Jun-22	30-Jun-22		GW-SW25A30	GW-EQ10A30, GW-EQ20A30
538	GW-EQ10A30	Apply for LADWP Power Connection/Startup	10	10	0%	01-Jul-22	15-Jul-22		GW-EQ15A30	
539	GW-EQ20A30	Install Features and Energize System	0	0	0%	18-Jul-22	18-Jul-22		GW-EQ15A30	GW-EQ20A35
540	GW-EQ20A35	Perform System Checks	5	5	0%	18-Jul-22	22-Jul-22		GW-EQ20A30	
541	**NHE - 2**		124	62		20-Jan-22 A	22-Jul-22			
542	GW-DM50	Selective Demolition - NHE-2	3	0	100%	20-Jan-22 A	24-Jan-22 A		GW-DM0010, GW-DM55	GW-EQ70, GW-SW55



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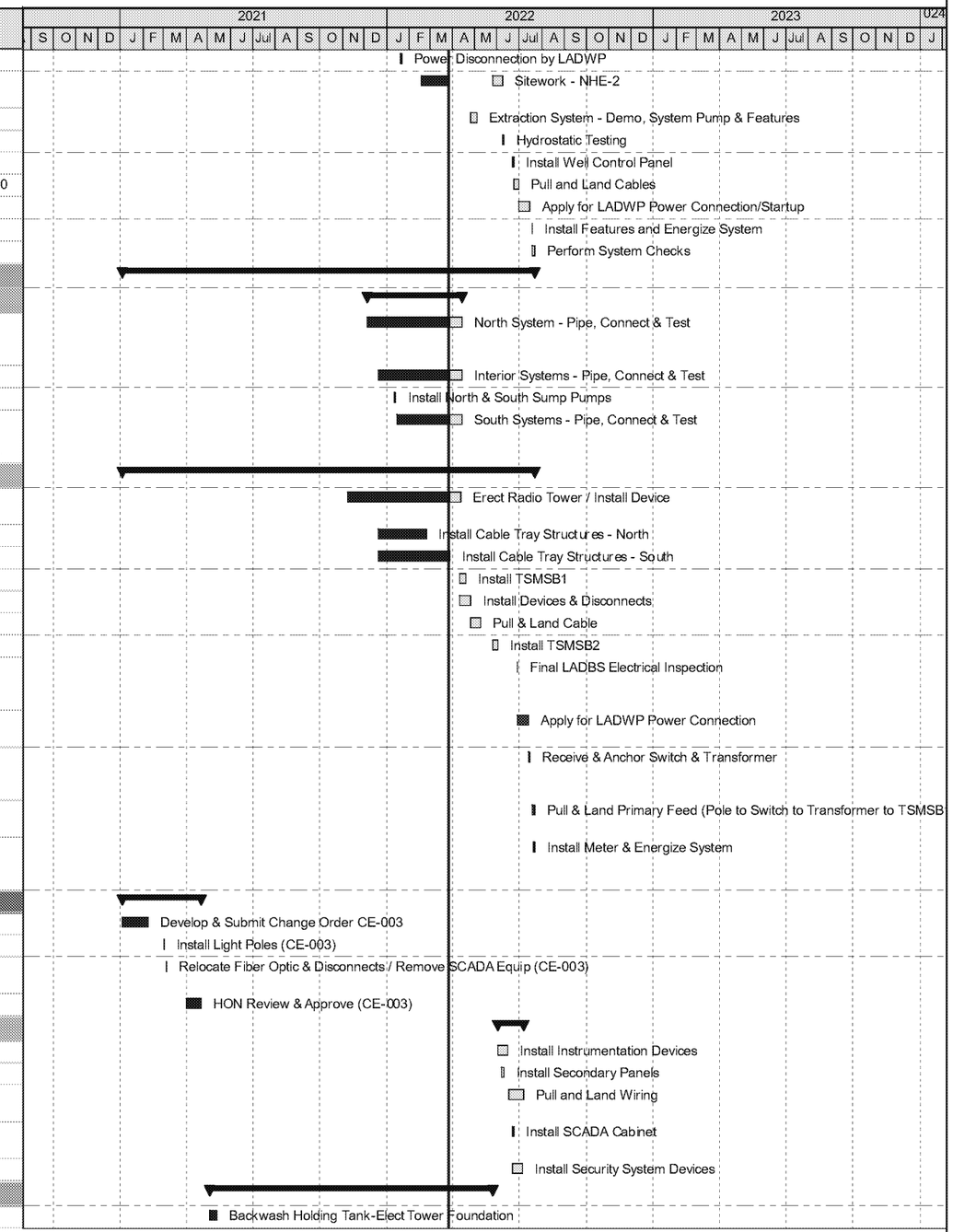
#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
543	GW-DM55	Power Disconnection by LADWP	1	0	100%	20-Jan-22 A	20-Jan-22 A	☐		GW-DM50
544	GW-SW55	Sitework - NHE-2	10	10	0%	17-Feb-22 A	08-Jun-22	☐	GW-SW45, GW-EQ70, GW-DM50	GW-SW25A40, GW-HT35
545	GW-EQ70	Extraction System - Demo, System Pump & Feature:	6	6	0%	26-Apr-22	03-May-22	☐	GW-EQ0010, GW-DM50	GW-SW55, GW-HT35
546	GW-HT35	Hydrostatic Testing	2	2	0%	09-Jun-22	10-Jun-22	☐	GW-EQ70, GW-SW55	
547	GW-SW25A40	Install Well Control Panel	3	3	0%	21-Jun-22	23-Jun-22	☐	A1530A, GW-SW55	GW-EQ15A40
548	GW-EQ15A40	Pull and Land Cables	5	5	0%	24-Jun-22	30-Jun-22	☐	GW-SW25A40	GW-EQ10A40, GW-EQ20A40
549	GW-EQ10A40	Apply for LADWP Power Connection/Startup	10	10	0%	01-Jul-22	15-Jul-22	☐	GW-EQ15A40	
550	GW-EQ20A40	Install Features and Energize System	0	0	0%	18-Jul-22	18-Jul-22	☐	GW-EQ15A40	GW-EQ20A45
551	GW-EQ20A45	Perform System Checks	5	5	0%	18-Jul-22	22-Jul-22	☐	GW-EQ20A40	
552	Water Treatment AC HEP		395	81		04-Jan-21 A	21-Jul-22			
553	**Plumbing & Mechanical Work**		93	14		06-Dec-21 A	14-Apr-22			
554	WTAG-0005	North System - Pipe, Connect & Test	47	14	40%	06-Dec-21 A	14-Apr-22	☐	WTEQ-150A, WTFD-N0045, WTEQ-135A, WTEQ-0060, WTFD-N0040, WTEQ-130A	WTFD-N135A, WTAG-95, WTAG-0030, SITE-0010
555	WTAG-25	Interior Systems - Pipe, Connect & Test	31	14	20%	20-Dec-21 A	14-Apr-22	☐	WTFD-N115A, WTEQ-180A	WTAG-30
556	WTAG-0010	Install North & South Sump Pumps	6	0	100%	11-Jan-22 A	13-Jan-22 A	☐	A2080	WTAG-175A
557	WTAG-30	South Systems - Pipe, Connect & Test	65	14	20%	14-Jan-22 A	14-Apr-22	☐	WTEQ-140, WTEQ-120, WTFD-S70, WTAG-25	WTAG-95, WTAG-90, CN-0020, WTAG-100, WTAG-130A, WTFD-S0010,
558	**Electrical Work**		395	81		04-Jan-21 A	21-Jul-22			
559	WTAG-220A	Erect Radio Tower / Install Device	53	12	0%	08-Nov-21 A	12-Apr-22	☐	WTEQ-0005, WTFD-N0055, WTFD-N0065, WTFD-N125	
560	WTAG-125A	Install Cable Tray Structures - North	12	0	100%	20-Dec-21 A	25-Feb-22 A	☐	A3040	WTAG-0020
561	WTAG-130A	Install Cable Tray Structures - South	38	0	0%	20-Dec-21 A	28-Mar-22	☐	A3040, WTAG-30	WTAG-0020, WTAG-0040
562	WTAG-120A	Install TSMSB1	5	5	0%	11-Apr-22*	18-Apr-22	☐	WTUG-S0085	WTAG-225A, WTAG-170A
563	WTAG-0060A	Install Devices & Disconnects	10	10	0%	11-Apr-22*	25-Apr-22	☐	WTAG-30	WTAG-225A, WTAG-0040
564	WTAG-0040	Pull & Land Cable	10	10	0%	26-Apr-22	09-May-22	☐	WTAG-130A, WTAG-0060A	WTAG-225A
565	WTAG-0031	Install TSMSB2	5	5	0%	26-May-22	02-Jun-22	☐	A2010, A4580	WTAG-225A, WTAG-0035
566	WTAG-225A	Final LADBS Electrical Inspection	1	1	0%	28-Jun-22	28-Jun-22	☑	WTAG-120A, WTAG-0031, WH-470A, WH-0185, WH-0320, WH-0365,	WTAG-0080, CN-0020
567	WTAG-0080	Apply for LADWP Power Connection	10	10	0%	29-Jun-22	13-Jul-22	☑	WTAG-225A	WTAG-0030, WTAG-0035, CN-0020
568	WTAG-0030	Receive & Anchor Switch & Transformer	2	2	0%	14-Jul-22	15-Jul-22	☑	A2010, WTAG-0080, A4110, WTUG-S0085, WTAG-0005, WTAG-0065	WTAG-0035
569	WTAG-0035	Pull & Land Primary Feed (Pole to Switch to Transformer to TSMSB1	4	4	0%	18-Jul-22	21-Jul-22	☑	WTAG-0080, WTAG-0031, WTAG-0030	WTAG-0085
570	WTAG-0085	Install Meter & Energize System	1	1	0%	21-Jul-22	21-Jul-22	☑	WTAG-0035	CN-0020, WTAG-140A, WTAG-145A, WTAG-150A, WTAG-155A, WTAG-160A,
571	CE-003		78	0		04-Jan-21 A	22-Apr-21 A			
572	WTUG-S0115	Develop & Submit Change Order CE-003	27	0	100%	04-Jan-21 A	09-Feb-21 A	☐	DEMO-0005	WTUG-S0100
573	WTUG-S0105	Install Light Poles (CE-003)	1	0	100%	03-Mar-21 A	03-Mar-21 A	☐	WTUG-S0100	WTUG-S0110
574	WTUG-S0110	Relocate Fiber Optic & Disconnects / Remove SCADA Equip (CE-003)	5	0	100%	06-Mar-21 A	06-Mar-21 A	☐	WTUG-S0105	
575	WTUG-S0100	HON Review & Approve (CE-003)	15	0	100%	01-Apr-21 A	22-Apr-21 A	☐	WTUG-S0115, MOB-0005	WTUG-S0105
576	**Instrumentation Work**		25	25		02-Jun-22	07-Jul-22			
577	WTAG-135A	Install Instrumentation Devices	10	10	0%	02-Jun-22	15-Jun-22	☐	A1535A	WTAG-0020, WTAG-185A
578	WTAG-0050	Install Secondary Panels	3	3	0%	07-Jun-22	09-Jun-22	☐	A1440, A1470	
579	WTAG-0020	Pull and Land Wiring	15	15	0%	16-Jun-22	07-Jul-22	☐	WH-470A, WTAG-125A, WTAG-130A, WTAG-135A	CN-0020, WTAG-145A, WTAG-150A, WTAG-165A
580	WTAG-0055	Install SCADA Cabinet	3	3	0%	21-Jun-22	23-Jun-22	☐	A1450, WTEQ-0105, WTAG-0070	WTAG-0090, AIS-9000, CN-0020, WTAG-155A
581	WTAG-0090	Install Security System Devices	10	10	0%	21-Jun-22	05-Jul-22	☐	WTAG-0055	CN-0020, WTAG-140A
582	Site Features & Topping		28	28		03-May-21 A	28-Jun-22			
583	WTFD-N0065	Backwash Holding Tank-Elect Tower Foundation	9	0	100%	03-May-21 A	13-May-21 A	☐		CN-0020, M7, WTAG-220A



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

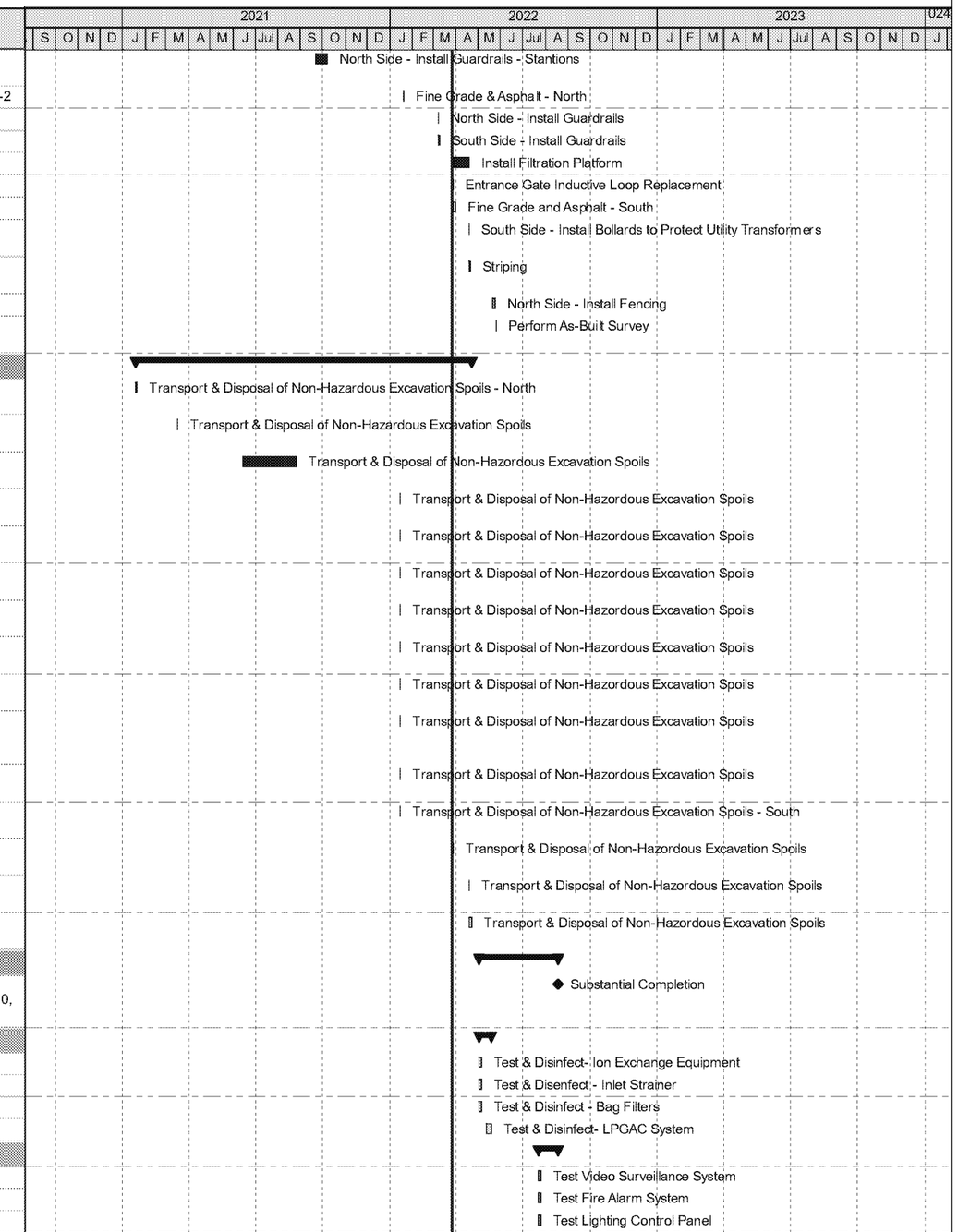
Project ID: 6519200010
TASK filter: All Activities

wood.

HON North Hollywood Operable Unit

Data Date: 26-Mar-22
Print: 04-Apr-22

#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
584	WTFD-N0010	North Side - Install Guardrails - Stantions	12	0	100%	22-Sep-21 A	07-Oct-21 A		WTFD-N0020	WTFD-N0015, SITE-0010, WTFD-N135A
585	SITE-0010	Fine Grade & Asphalt - North	4	0	100%	19-Jan-22 A	19-Jan-22 A		WTAG-0005, WTFD-N0010	SITE-0015, SITE-20A, SITE-2
586	WTFD-N140	North Side - Install Guardrails	3	0	100%	07-Mar-22 A	08-Mar-22 A			WTFD-N0015
587	WTFD-S0010	South Side - Install Guardrails	3	0	100%	08-Mar-22 A	09-Mar-22 A		WTFD-S0020, WTAG-30	CN-0020, SITE-0020
588	WTFD-N135A	Install Filtration Platform	3	1	0%	28-Mar-22 A	19-Apr-22		WTAG-0005, WTFD-N0010	SITE-20A, SITE-0020
589	SITE-0015	Entrance Gate Inductive Loop Replacement	1	1	0%	28-Mar-22*	28-Mar-22		WTS-0025, SITE-0010	SITE-0020
590	SITE-25A	Fine Grade and Asphalt - South	4	4	0%	28-Mar-22*	31-Mar-22		SITE-0010	SITE-20A
591	WTFD-S0005	South Side - Install Bollards to Protect Utility Transformers	1	1	0%	18-Apr-22*	18-Apr-22		WTUG-S0085	WTAG-0065
592	SITE-20A	Striping	2	2	0%	19-Apr-22	21-Apr-22		WTFD-N135A, SITE-0010, SITE-25A	
593	WTFD-N0015	North Side - Install Fencing	3	3	0%	20-May-22*	24-May-22		WTFD-N140, WTFD-N0010	SITE-0020
594	SITE-0020	Perform As-Built Survey	2	2	0%	25-May-22	26-May-22		WTFD-N0015, WTFD-N135A, SITE-0015, WTFD-S0010	CN-0020
595	**Transport & Disposal of Non-Hazardous Spoils**		324	19		18-Jan-21 A	22-Apr-22			
596	DEMO-0070	Transport & Disposal of Non-Hazardous Excavation Spoils - North	3	0	100%	18-Jan-21 A	20-Jan-21 A		DEMO-0030, DEMO-0050	WTUG-N0055
597	WTUG-N0055	Transport & Disposal of Non-Hazardous Excavation Spoils	1	0	100%	18-Mar-21 A	18-Mar-21 A		DEMO-0070, WTUG-N0015, M13	WTUG-N0060
598	WTFD-N0090	Transport & Disposal of Non-Hazardous Excavation Spoils	54	0	100%	14-Jun-21 A	26-Aug-21 A		WTFD-N0025, WTFD-N0085	WTFD-S0055
599	GW-EX0005	Transport & Disposal of Non-Hazardous Excavation Spoils	45	0	100%	14-Jan-22 A	14-Jan-22 A		GW-DM0020, GW-DM0010	CN-0020
600	WTFD-S0055	Transport & Disposal of Non-Hazardous Excavation Spoils	26	0	100%	14-Jan-22 A	14-Jan-22 A		WTUG-S0080, WTFD-S0020, WTFD-N0090, WTFD-S0050	WTS-0060
601	WTUG-S0080	Transport & Disposal of Non-Hazardous Excavation Spoils	1	0	100%	14-Jan-22 A	14-Jan-22 A		WTUG-S0070	WTFD-S0055
602	WTUG-S0070	Transport & Disposal of Non-Hazardous Excavation Spoils	1	0	100%	14-Jan-22 A	14-Jan-22 A		WTUG-S0065	WTUG-S0080
603	WTUG-S0065	Transport & Disposal of Non-Hazardous Excavation Spoils	1	0	100%	14-Jan-22 A	14-Jan-22 A		WTUG-S0060	WTUG-S0070
604	WTUG-S0060	Transport & Disposal of Non-Hazardous Excavation Spoils	1	0	100%	14-Jan-22 A	14-Jan-22 A		WTUG-N0065, WTUG-S0010	WTUG-S0065
605	WTUG-N0065	Transport & Disposal of Non-Hazardous Excavation Spoils	1	0	100%	14-Jan-22 A	14-Jan-22 A		WTUG-N0020, WTUG-N0060, WTUG-N0015, WTUG-N0020, M13	WTUG-S0060
606	WTUG-N0060	Transport & Disposal of Non-Hazardous Excavation Spoils	1	0	100%	14-Jan-22 A	14-Jan-22 A		WTUG-N0055, WTUG-N0040, WTFD-N0020, DEMO-0070S	WTUG-N0065
607	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
608	WTS-0060	Transport & Disposal of Non-Hazardous Excavation Spoils	1	1	0%	28-Mar-22	28-Mar-22		WTFD-S0055, WTS-0050	WTS-0065
609	WTS-0065	Transport & Disposal of Non-Hazardous Excavation Spoils	1	1	0%	18-Apr-22	18-Apr-22		WTS-0060, WTS-0030, WTS-0055	WTS-0070
610	WTS-0070	Transport & Disposal of Non-Hazardous Excavation Spoils	4	4	0%	19-Apr-22	22-Apr-22		WTS-0045, WTS-0065	CN-0020
611	**Pre-Commissioning**		77	77		02-May-22	18-Aug-22			
612	CN-0020	Substantial Completion	0	0	0%		18-Aug-22	☑	WTAG-225A, A1485, WTFD-N0065, WTFD-N0075, WTFD-N0070, A1505,	M8, CO-0010, CO-0006, AIS-9000, M9, CO-0025, M10, CO-0015, M11
613	**Pre-Clean & Disinfect**		13	13		02-May-22	18-May-22			
614	WTAG-95	Test & Disinfect- Ion Exchange Equipment	5	5	0%	02-May-22*	06-May-22		WTAG-0005, WTAG-30	WTAG-110, CN-0020
615	WTAG-90	Test & Disenfect - Inlet Strainer	5	5	0%	02-May-22*	06-May-22		WTEQ-0060, WTAG-30	CN-0020
616	WTAG-200A	Test & Disinfect - Bag Filters	5	5	0%	02-May-22*	06-May-22		WTAG-30	CN-0020
617	WTAG-100	Test & Disinfect- LPGAC System	5	5	0%	12-May-22*	18-May-22		WTAG-30, WTS-75	WTAG-115, CN-0020
618	**Test**		20	20		22-Jul-22	18-Aug-22			
619	WTAG-140A	Test Video Surveillance System	2	2	0%	22-Jul-22	25-Jul-22		WTAG-0085, WTAG-0090	CN-0020
620	WTAG-145A	Test Fire Alarm System	2	2	0%	22-Jul-22	25-Jul-22		WTAG-0020, WTAG-0085	CN-0020
621	WTAG-150A	Test Lighting Control Panel	2	2	0%	22-Jul-22	25-Jul-22		WTAG-0020, WTAG-0085	CN-0020
622	WTAG-190A	Test Card Reader System	2	2	0%	22-Jul-22	25-Jul-22		WTAG-0085	CN-0020



Remaining LOE | Remaining Work | Milestone
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wood.

HON North Hollywood Operable Unit

Data Date: 26-Mar-22
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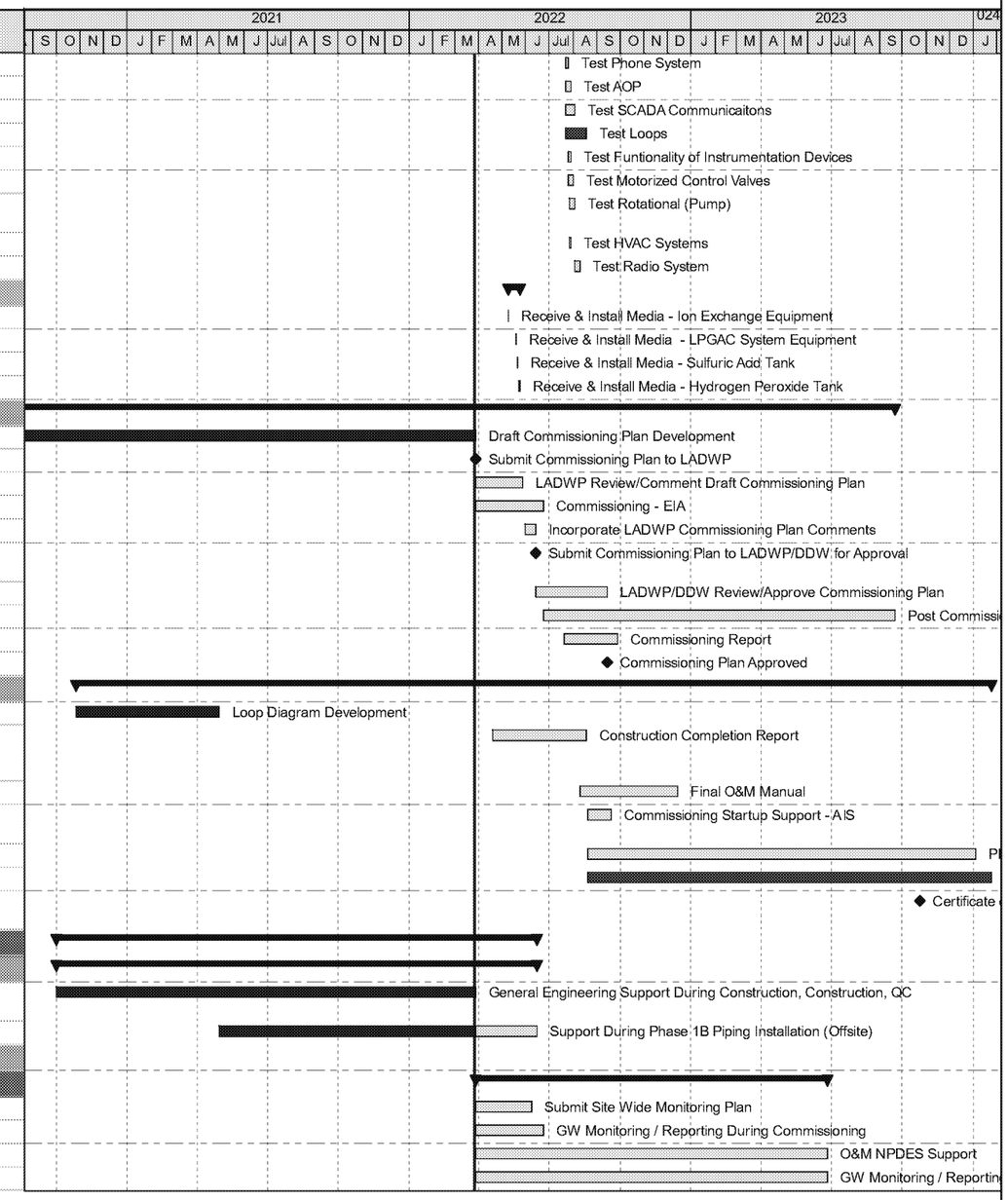
#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
623	WTAG-195A	Test Phone System	2	2	0%	22-Jul-22	25-Jul-22	☐	WTAG-165A	CN-0020
624	WTAG-205A	Test AOP	5	5	0%	22-Jul-22	28-Jul-22	☐	WTAG-0085	CN-0020
625	WTAG-155A	Test SCADA Communicaitons	8	8	0%	22-Jul-22	02-Aug-22	☐	WTAG-0055, WTAG-0085	CN-0020, WTAG-180A
626	WTAG-165A	Test Loops	20	20	0%	22-Jul-22	18-Aug-22	☑	WTAG-0020, WTAG-0085	WTAG-195A, CN-0020
627	WTAG-185A	Test Funtionality of Instrumentation Devices	5	5	0%	25-Jul-22	29-Jul-22	☐	WTAG-0085, WTAG-135A	CN-0020
628	WTAG-170A	Test Motorized Control Valves	5	5	0%	26-Jul-22	01-Aug-22	☐	WTAG-0085, WTAG-120A	CN-0020
629	WTAG-175A	Test Rotational (Pump)	5	5	0%	27-Jul-22	02-Aug-22	☐	GW-EQ10A, WTAG-0085, WTAG-0010	CN-0020
630	WTAG-160A	Test HVAC Systems	1	1	0%	28-Jul-22	28-Jul-22	☐	WH-0365, WTAG-0085	CN-0020
631	WTAG-180A	Test Radio System	5	5	0%	03-Aug-22	09-Aug-22	☐	WTAG-0085, WTAG-155A	CN-0020
632	**Install Media**		11	11		09-May-22	23-May-22			
633	WTAG-110	Receive & Install Media - Ion Exchange Equipment	1	1	0%	09-May-22	09-May-22	☐	WTAG-95, WTEQ-0065	CN-0020
634	WTAG-115	Receive & Install Media - LPGAC System Equipmen	1	1	0%	19-May-22	19-May-22	☐	WTAG-100, WTEQ-120	CN-0020, WTAG-210A
635	WTAG-210A	Receive & Install Media - Sulfuric Acid Tank	1	1	0%	20-May-22	20-May-22	☐	WTAG-115	CN-0020, WTAG-215A
636	WTAG-215A	Receive & Install Media - Hydrogen Peroxide Tank	1	1	0%	23-May-22	23-May-22	☐	WTAG-210A	CN-0020
637	**Post Construction Commissioning-1**		380	380		01-Jul-20 A	22-Sep-23			
638	EIA-9025	Draft Commissioning Plan Development	380	0	99%	01-Jul-20 A	28-Mar-22	☐		EIA-9030, EIA-9050
639	EIA-9050	Submit Commissioning Plan to LADWP	0	0	0%		28-Mar-22	☐	EIA-9025	EIA-9055
640	EIA-9055	LADWP Review/Comment Draft Commissioning Plai	44	44	0%	28-Mar-22	27-May-22	☐	EIA-9050	EIA-9060
641	EIA-9000	Commissioning - EIA	62	62	0%	28-Mar-22	23-Jun-22	☐		EIA-9010, EIA-9030
642	EIA-9060	Incorporate LADWP Commissioning Plan Comments	10	10	0%	31-May-22	13-Jun-22	☐	EIA-9055	EIA-9065
643	EIA-9065	Submit Commissioning Plan to LADWP/DDW for Approval	0	0	0%		13-Jun-22	☐	EIA-9060	EIA-9070
644	EIA-9070	LADWP/DDW Review/Approve Commissioning Plan	64	64	0%	14-Jun-22	13-Sep-22	☐	EIA-9065	EIA-9075
645	EIA-9010	Post Commissioning O&M	318	318	0%	24-Jun-22	22-Sep-23	☐	EIA-9000, EIA-9030	
646	EIA-9030	Commissioning Report	49	49	0%	21-Jul-22	28-Sep-22	☐	EIA-9000, EIA-9025	EIA-9010
647	EIA-9075	Commissioning Plan Approved	0	0	0%		13-Sep-22	☐	EIA-9070	
648	**Post Construction Regulatory Submittals & Approvals 0**		522	480		27-Oct-20 A	24-Jun-24			
649	CO-0024	Loop Diagram Development	128	0	100%	27-Oct-20 A	30-Apr-21 A	☐	M1	CO-0025
650	CO-0025	Construction Completion Report	87	87	0%	18-Apr-22	18-Aug-22	☐	CO-0024, CAR-1010, WTS-0045, M8, CN-0020, PMOB-0005	M12, CO-0015, CO-0020, CO-0020, CO-0010
651	CO-0020	Final O&M Manual	87	87	0%	10-Aug-22	13-Dec-22	☐	CO-0025, CO-0025	M11
652	AIS-9000	Commissioning Startup Support - AIS	21	21	0%	19-Aug-22	19-Sep-22	☐	WTAG-0055, M8, CN-0020, WTS-0045, CAR-1010	M11
653	CO-0010	PM Implementation (Post Construction)	349	349	0%	19-Aug-22	04-Jan-24	☐	CO-0025, CN-0020	M11
654	CO-0006	General Regulatory (Post Construction)	363	363	0%	19-Aug-22	24-Jan-24	☑	CN-0020	M16, M11
655	CO-0015	Certificate of Substantial Completion from EPA	0	0	0%		23-Oct-23	☐	M10, CO-0025, CAR-1010, WTS-0045, M8, CN-0020	M16
656	**Engineering Support**		371	56		02-Oct-20 A	15-Jun-22			
657	**Engineering Support During Construction-1**		371	56		02-Oct-20 A	15-Jun-22			
658	EIA-9035	General Engineering Support During Construction, Construction, QC	315	0	96%	02-Oct-20 A	28-Mar-22	☐		EIA-9040
659	EIA-9040	Support During Phase 1B Piping Installation (Offsite)	227	56	80%	30-Apr-21 A	15-Jun-22	☐	EIA-9035	
660	**Engineering Support During Post-Construction**		0	0						
661	**Groundwater Monitoring-1**		318	318		28-Mar-22	26-Jun-23			
662	CO-25	Submit Site Wide Monitoring Plan	51	51	0%	28-Mar-22	08-Jun-22	☐		
663	EIA-9015	GW Monitoring / Reporting During Commissioning	62	62	0%	28-Mar-22	23-Jun-22	☐		
664	EIA-9045	O&M NPDES Support	318	318	0%	28-Mar-22	26-Jun-23	☐		
665	EIA-9020	GW Monitoring / Reporting During O&M	318	318	0%	28-Mar-22	26-Jun-23	☐		



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