From:	Taraszki, Michael D
To:	Handley, Bianca
Cc:	vahe.dabbaghian@ladwp.com; Nicole.Alkov@Waterboards.ca.gov; Diep, Chi P.@Waterboards; Murdock, Kevin/LAC; Sonja Donaldson; John Wingate; Humphreys, Christina@Waterboards; Heitmann, Michael; Radke, Laura@DTSC; Nyahay, Colin; HamannNazaroff, Daniela; "Bowles, Steven L (Steven.Bowles@Honeywell.com)"
Subject:	NHOU: December 2021 monthly progress report
Date:	Tuesday, January 11, 2022 8:08:54 AM
Attachments:	image001.png R35216 NHOU_2022 Jan_RA_Monthly Prog Report.pdf

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Bianca,

The December 2021 progress report for NHOU is attached for your review and approval.

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

Thank you,

Michael Taraszki, PG, CHG, PMP
Wood Consulting – Resilient Environments
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.
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Oakland, California 94612-3066
USA

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January 10, 2022

Project 8620200310

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

Subject: December 2021 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 December 2021 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/2022/2022.01.10/r35216 nhou_2022 jan_ra_monthly prog report.docx

Attachment: December 2021 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)
Sonja Donaldson (OTIE)
Kevin Murdock (Jacobs)

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

DECEMBER 2021 NHOU Monthly Progress Report

ACTIVITIES COMPLETED FOR THE REPORT PERIOD

- Wood oversaw installation of the sewer line, installation of the cable tray system, completion of CMU build-out for control room, installation of the 28-inch storm line, and site restoration on Parcel C; Wood continued to coordinate with LADBS to obtain building permits for NHE-4R, and NHE-6 (well sites), prepared a Phase 1B 60% programming design package for LADWP review, and continued to provide Los Angeles Department of Water and Power (LADWP) with contractor submittals for LADWP review;
- On 12/13/2021, Wood received comments from LADWP regarding our draft Phase 1B Commissioning Plan;
- On 12/14/2021, Wood re-submitted (unchanged) encroachment permit applications to LADWP;
- Honeywell/Wood continued with preliminary (30%) design efforts associated with the NHOU Phase 3 system upgrade; and,
- Honeywell/Wood continued to support LADWP's efforts to obtain an amended drinking water permit from the Division of Drinking Water (DDW), pursuant to the DDW's 97-005 Policy Memo.

ANTICIPATED ACTIVITIES FOR THE NEXT SIX WEEKS

- Honeywell/Wood actions:
  - Wood will install the Phase 1B Groundwater Treatment System cable tray supports, electrical equipment, and will oversee the beginning of backwash tank construction on Lankershim Yard, and will continue to provide contractor submittals for LADWP review;
  - Wood will complete supplemental plan checks and obtain building permits at NHE-4R and NHE-6 to proceed with limited demolition and construction at all five 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 coordinate with LADWP to present the draft Commissioning Plan to DDW;
  - Wood will submit a Sitewide Groundwater Monitoring Plan to EPA for review/approval;
  - Carollo will submit a Phase 2B Pre-Final (90%) Design for LADWP and EPA review;
  - Honeywell/Wood will submit Phase 3 Preliminary (30%) Design for LADWP review; and,
  - Honeywell/Wood will continue to support LADWP with the DDW 97-005 permit process.

DECEMBER 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 Phase 2B Pre-Final (90%) Design;
  - Review the Phase 3 Preliminary (30%) Design; and
  - Continue development and submittal of DDW 97-005 process documents.
  - Develop P-Plan drawing for Lankershim Yard
- U.S. EPA actions (anticipated):
  - Perform periodic site inspections of the Phase 1B Groundwater Treatment System construction, as needed.

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 and approval 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 meetings;
  - The LADWP Power Group will sign-off on construction plans associated with the Phase 2B conveyance alignment;
  - Review the Phase 2B Pre-Final (90%) Design; and,
  - Review the Phase 3 Intermediate (60%) Design; and,
  - Continue development and submittal of documents associated with the DDW 97-005 process, including meeting(s) with DDW.

DECEMBER 2021 NHOU Monthly Progress Report (continued)

ANTICIPATED ACTIVITIES FOR THE NEXT SIX MONTHS (CONTINUED)

- 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%) Design; and,
  - Review 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 is planning to block off Hinds Avenue for construction from November 2021 through December 2022, which will push out the start of LADWP water main relocation and subsequent Phase 2B construction on Hinds Avenue to 2023.

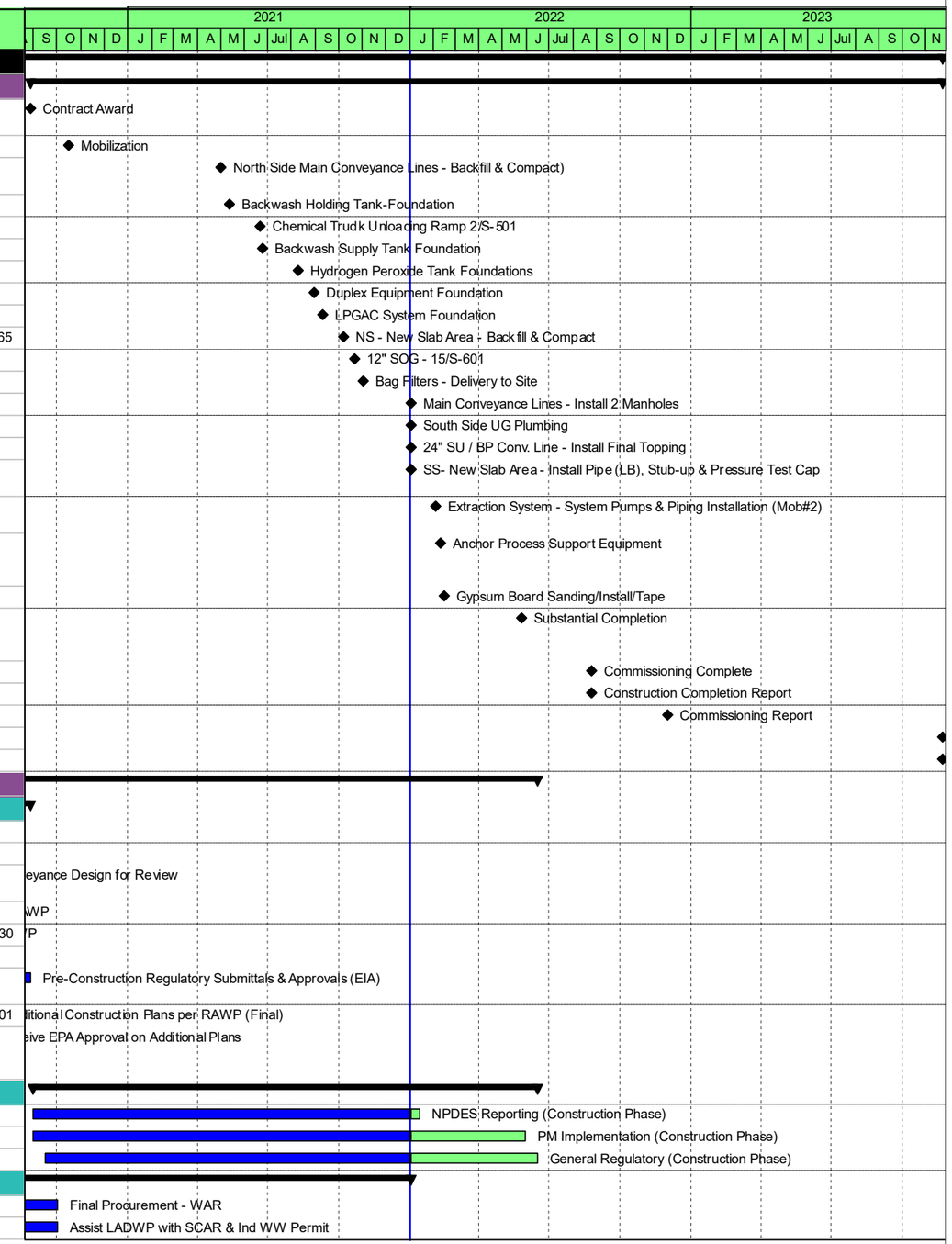
DESIGN CHANGES OF NOTE

- No substantial design changes this month.

HON North Hollywood Operable Unit

Data Date: 01-Jan-22
Print: 29-Dec-21

#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
1	**HON North Hollywood Operable Unit**		1188	483		29-Mar-19 A	22-Nov-23			
2	**Milestones**		821	483		28-Aug-20 A	22-Nov-23			
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%		03-Jan-22	☐	WTS-0015	WTS-0050
16	M5	South Side UG Plumbing	0	0	0%		03-Jan-22	☐	WTUG-S0010	M8
17	M20	24" SU / BP Conv. Line - Install Final Topping	0	0	0%		03-Jan-22	☐	WTS-0040	CN-0020
18	M23	SS- New Slab Area - Install Pipe (LB), Stub-up & Pressure Test Cap	0	0	0%		03-Jan-22	☐	WTUG-S0010	M8, M8
19	M18	Extraction System - System Pumps & Piping Installation (Mob#2)	0	0	0%		03-Feb-22	☐	GW-EQ0010	M8
20	M7	Anchor Process Support Equipment	0	0	0%		09-Feb-22	☐	WTFD-N125, A1505, WTFD-N0070, WTFD-N0075, WTFD-N0065	M8
21	M25	Gypsum Board Sanding/Install/Tape	0	0	0%		15-Feb-22	☐	WH-0340	WH-0350
22	M8	Substantial Completion	0	0	0%		25-May-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-Aug-22	☑	EIA-9000, EIA-9015	EIA-9010
24	M12	Construction Completion Report	0	0	0%		24-Aug-22	☐	CO-0025, M8	M16
25	M10	Commissioning Report	0	0	0%		30-Nov-22	☐	EIA-9030	CO-0015
26	M16	Project Complete	0	0	0%		22-Nov-23	☑	CO-0006, M11, CO-0015, M12	
27	M11	Operations & Maintenance Complete	0	0	0%		22-Nov-23	☑	CO-0010, EIA-9020, EIA-9045	M16
28	**Regulatory Submittals & Approvals (Wood)**		741	116		29-Mar-19 A	15-Jun-22			
29	**Pre-Construction Regulatory Submittals & Approvals (EI**		367	0		29-Mar-19 A	28-Aug-20 A			
30	EIA-1000	Submit 90% Design & RAWP	0	0	100%	29-Mar-19 A		☐	CAR-1010	LADWP-1000
31	LADWP-1000	EPA & LADWP Review	90	0	100%	29-Mar-19 A	02-Aug-19 A	☐	EIA-1000	CAR-1000
32	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
33	EPA-1000	EPA Review & Comment Final RAWP	37	0	100%	03-Oct-19 A	25-Nov-19 A	☐	CAR-1010, CAR-1000	CAR-1005
34	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
35	EPA-1005	EPA Comments Received	0	0	100%		25-Nov-19 A	☐		CAR-1005
36	EIA-1030	Pre-Construction Regulatory Submittals & Approvals (EIA)	125	0	100%	04-Mar-20 A	28-Aug-20 A	☐	CAR-1005, M1	EIA-1005
37	CAR-1010	Submit Additional Construction Plans per RAWP (Fin	0	0	100%	15-May-20 A		☐		EIA-1000, EPA-1000, EPA-101
38	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,
39	**Construction Regulatory Submittals & Approvals (EIA)**		374	116		31-Aug-20 A	15-Jun-22			
40	EIA1015	NPDES Reporting (Construction Phase)	347	9	26.68%	31-Aug-20 A	13-Jan-22	☐		EIA-9000
41	EIA1010	PM Implementation (Construction Phase)	374	105	26.68%	31-Aug-20 A	31-May-22	☐	CN-0020	CO-0010
42	EIA1005	General Regulatory (Construction Phase)	363	116	26.68%	16-Sep-20 A	15-Jun-22	☐	CN-0020	CO-0006, EIA-1035
43	**Permitting & Procurement (Priority)**		416	0		04-Mar-20 A	03-Jan-22			
44	EIA-1025	Final Procurement - WAR	149	0	100%	04-Mar-20 A	02-Oct-20 A	☐	CAR-1005	MOB-0005
45	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



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

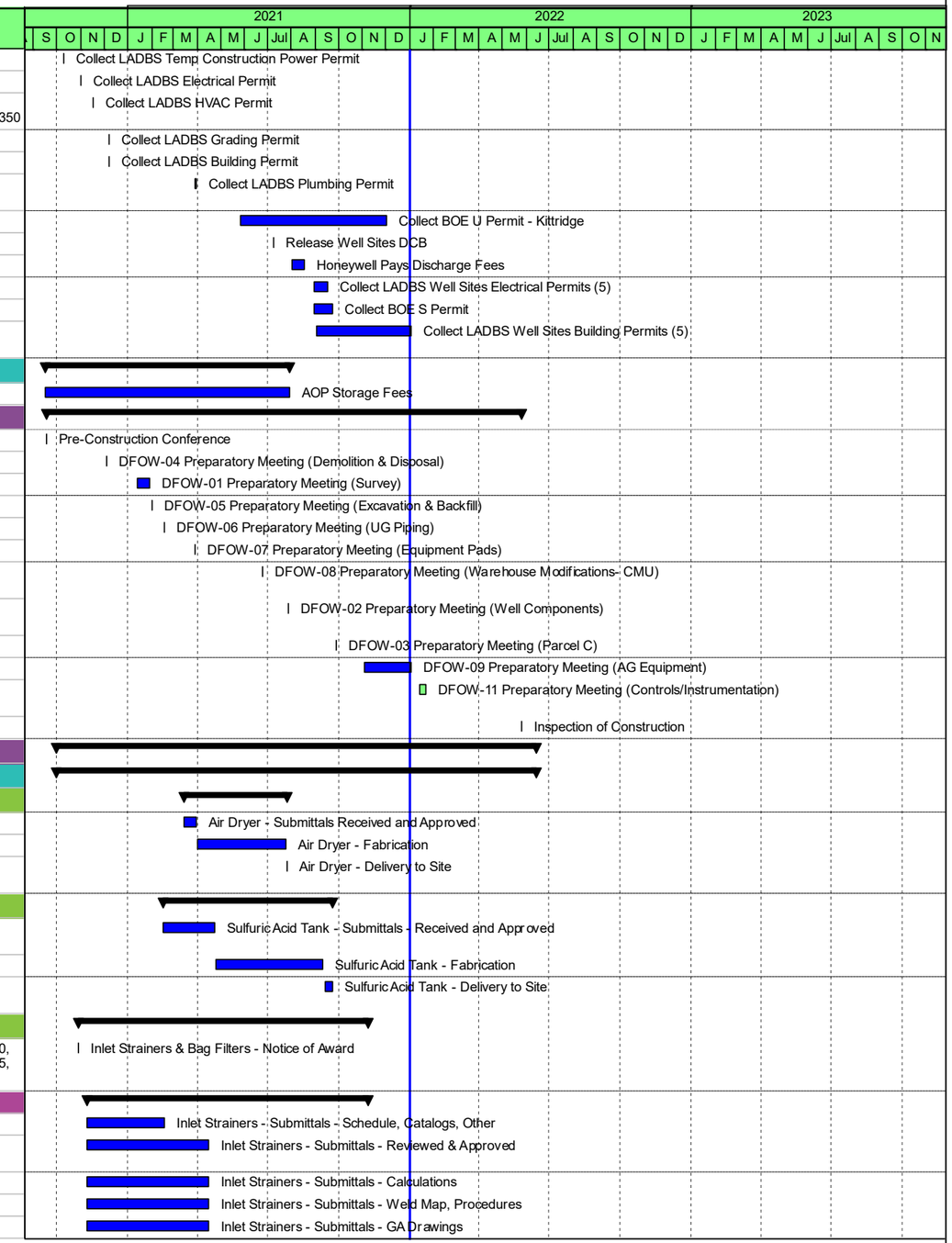
Project ID: 6519200010
TASK filter: All Activities

wood.

HON North Hollywood Operable Unit

Data Date: 01-Jan-22
Print: 29-Dec-21

#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
46	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
47	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
48	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, WH-0350
49	CAR-1020	Collect LADBS Grading Permit	1	0	100%	08-Dec-20 A	08-Dec-20 A	☐	EPA-1010, EIA-1020	CAR-1035
50	CAR-1015	Collect LADBS Building Permit	1	0	100%	08-Dec-20 A	08-Dec-20 A	☐	EPA-1010, EIA-1020	CAR-1035
51	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
52	CAR-1050A	Collect BOE U Permit - Kittridge	66	0	100%	27-May-21 A	01-Dec-21 A	☐		
53	CAR-1055A5	Release Well Sites DCB	1	0	100%	09-Jul-21 A	09-Jul-21 A	☐		CAR-1060A, CAR-1055A
54	CAR-1045A5	Honeywell Pays Discharge Fees	1	0	100%	02-Aug-21 A	17-Aug-21 A	☐		CAR-1045A
55	CAR-1060A	Collect LADBS Well Sites Electrical Permits (5)	0	0	100%	30-Aug-21 A	17-Sep-21 A	☐	CAR-1055A5	WTS-0050
56	CAR-1045A	Collect BOE S Permit	9	0	100%	30-Aug-21 A	24-Sep-21 A	☐	CAR-1045A5	WTS-0050
57	CAR-1055A	Collect LADBS Well Sites Building Permits (5)	11	0	0%	02-Sep-21 A	03-Jan-22	☐	CAR-1055A5, CAR-1035	WTS-0050, GW-DM0010, GW-EQ20
58	**AOP Storage Fees**		220	0		16-Sep-20 A	29-Jul-21 A			
59	EIA-1035	AOP Storage Fees	220	0	100%	16-Sep-20 A	29-Jul-21 A	☐	EIA1005	
60	**Prepatory Meetings**		428	103		18-Sep-20 A	26-May-22			
61	EIA-1005	Pre-Construction Conference	1	0	100%	18-Sep-20 A	18-Sep-20 A	☐	EPA-1010, EIA-1030	MOB-0005
62	DEMO-0013	DFOW-04 Preparatory Meeting (Demolition & Dispo	1	0	100%	04-Dec-20 A	04-Dec-20 A	☐	MOB-0005	DEMO-0020
63	MOB-0008	DFOW-01 Preparatory Meeting (Survey)	13	0	100%	13-Jan-21 A	29-Jan-21 A	☐	MOB-0010	MOB-0020
64	WTUG-N0085	DFOW-05 Preparatory Meeting (Excavation & Backf	1	0	100%	02-Feb-21 A	02-Feb-21 A	☐	MOB-0005	WTUG-N0005
65	WTUG-N0095	DFOW-06 Preparatory Meeting (UG Piping)	1	0	100%	17-Feb-21 A	17-Feb-21 A	☐	MOB-0005	WTUG-N0010
66	WTFD-N105	DFOW-07 Preparatory Meeting (Equipment Pads)	1	0	100%	29-Mar-21 A	29-Mar-21 A	☐	WTFD-N104	
67	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
68	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
69	WTS-0034	DFOW-03 Preparatory Meeting (Parcel C)	1	0	100%	27-Sep-21 A	27-Sep-21 A	☐	MOB-0005	WH-0002
70	WTEQ-0008	DFOW-09 Preparatory Meeting (AG Equipment)	1	0	0%	03-Nov-21 A	03-Jan-22	☐		M8, CN-0020
71	WTAG-0045	DFOW-11 Preparatory Meeting (Controls/Instrumentation)	5	5	0%	14-Jan-22	21-Jan-22	☐	WH-470A	M8
72	EPA-1015	Inspection of Construction	1	1	0%	26-May-22	26-May-22	☑	CN-0020, M8	EIA-9000, AIS-9000
73	**Procurement**		430	114		01-Oct-20 A	13-Jun-22			
74	**Equipment Deliveries**		430	114		01-Oct-20 A	13-Jun-22			
75	**ProtectoSeal**		95	0		15-Mar-21 A	27-Jul-21 A			
76	WTEQ-0095	Air Dryer - Submittals Received and Approved	13	0	100%	15-Mar-21 A	31-Mar-21 A	☐		WTEQ-125A, M8, CN-0020
77	WTEQ-125A	Air Dryer - Fabrication	80	0	100%	01-Apr-21 A	25-Jul-21 A	☐	WTEQ-0095	WTEQ-130A
78	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
79	**Modern Custom Fabrication**		155	0		16-Feb-21 A	23-Sep-21 A			
80	WTEQ-0110	Sulfuric Acid Tank - Submittals - Received and Approved	48	0	100%	16-Feb-21 A	23-Apr-21 A	☐	MOB-0005	WTEQ-0080
81	WTEQ-0080	Sulfuric Acid Tank - Fabrication	98	0	100%	26-Apr-21 A	10-Sep-21 A	☐	WTEQ-0110	WTEQ-0055
82	WTEQ-0055	Sulfuric Acid Tank - Delivery to Site	2	0	100%	13-Sep-21 A	23-Sep-21 A	☐	WTFD-N0060, WTFD-S0025, WTEQ-0080, WTFD-N125A	RP-0060A, M8, CN-0020
83	**Rosedale**		260	0		29-Oct-20 A	08-Nov-21 A			
84	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
85	**Inlet Strainers**		253	0		09-Nov-20 A	08-Nov-21 A			
86	RP-1005	Inlet Strainers - Submittals - Schedule, Catalogs, Oth	68	0	100%	09-Nov-20 A	17-Feb-21 A	☐	RP-1000	RP-1025
87	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
88	RP-1020	Inlet Strainers - Submittals - Calculations	108	0	100%	09-Nov-20 A	15-Apr-21 A	☐	RP-1000	RP-1025
89	RP-1015	Inlet Strainers - Submittals - Weld Map, Procedures	108	0	100%	09-Nov-20 A	15-Apr-21 A	☐	RP-1000	RP-1025
90	RP-1010	Inlet Strainers - Submittals - GA Drawings	108	0	100%	09-Nov-20 A	15-Apr-21 A	☐	RP-1000	RP-1025



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

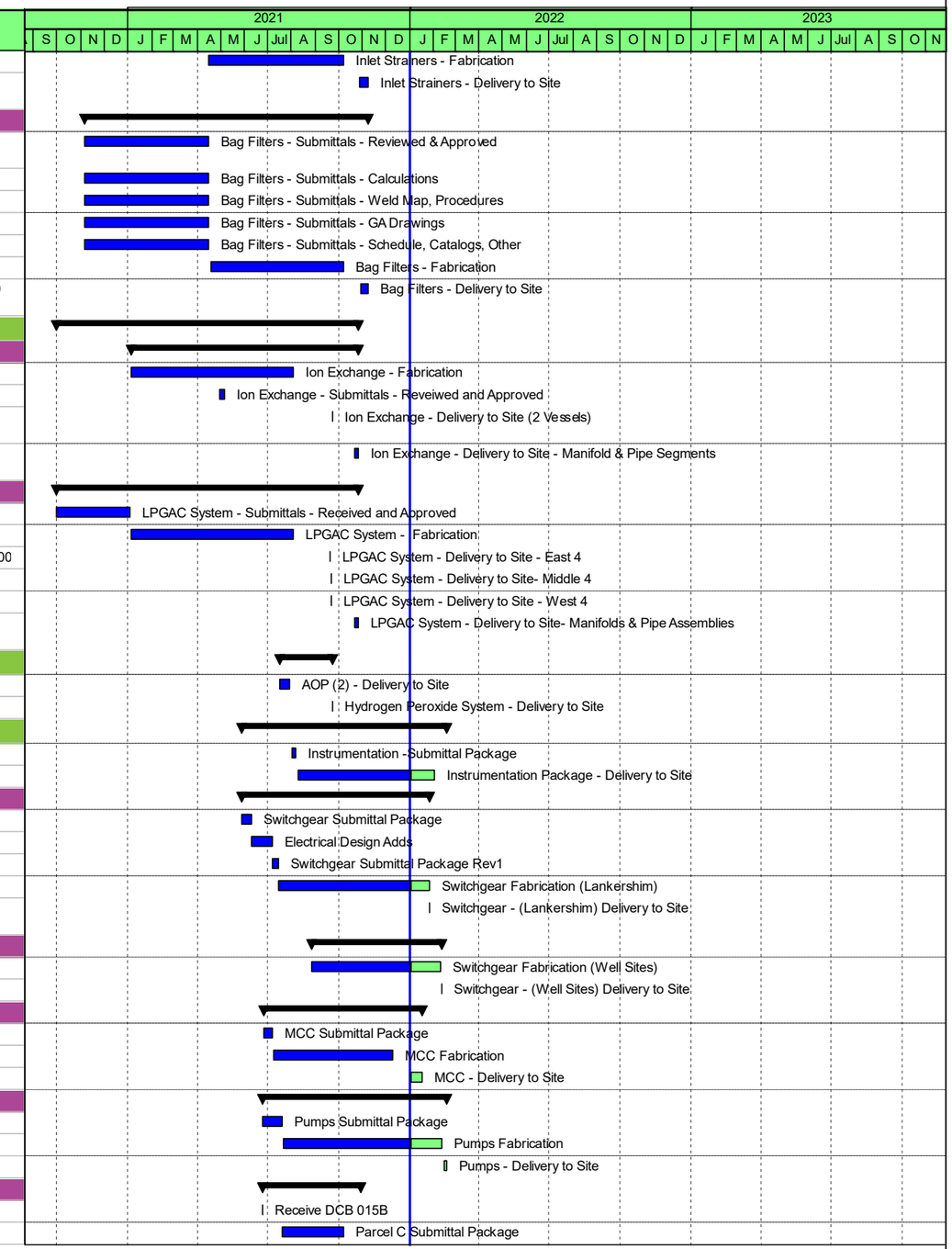
Project ID: 6519200010
TASK filter: All Activities

wood.

HON North Hollywood Operable Unit

Data Date: 01-Jan-22
Print: 29-Dec-21

#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
91	RP-0085A	Inlet Strainers - Fabrication	95	0	100%	16-Apr-21 A	08-Oct-21 A	☐	RP-1025	RP-0060A
92	RP-0060A	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
93	**Bag Filters**		246	0		06-Nov-20 A	08-Nov-21 A			
94	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
95	RP-1045	Bag Filters - Submittals - Calculations	109	0	100%	06-Nov-20 A	15-Apr-21 A	☐	RP-1000	RP-1050
96	RP-1040	Bag Filters - Submittals - Weld Map, Procedures	109	0	100%	06-Nov-20 A	15-Apr-21 A	☐	RP-1000	RP-1050
97	RP-1035	Bag Filters - Submittals - GA Drawings	109	0	100%	06-Nov-20 A	15-Apr-21 A	☐	RP-1000	RP-1050
98	RP-1030	Bag Filters - Submittals - Schedule, Catalogs, Other	109	0	100%	06-Nov-20 A	15-Apr-21 A	☐	RP-1000	RP-1050
99	WTEQ-110	Bag Filters - Fabrication	94	0	100%	19-Apr-21 A	08-Oct-21 A	☐	RP-1050	WTEQ-135A
100	WTEQ-135A	Bag Filters - Delivery to Site	14	0	100%	29-Oct-21 A	08-Nov-21 A	☐	RP-0060A, WTFD-N0035, WTEQ-110	M21, WTAG-0005, CN-0020
101	**Calgon Carbon**		272	0		01-Oct-20 A	26-Oct-21 A			
102	**Ion Exchange**		209	0		05-Jan-21 A	26-Oct-21 A			
103	WTEQ-0090	Ion Exchange - Fabrication	148	0	100%	05-Jan-21 A	02-Aug-21 A	☐	PMOB-0005, PMOB-0010	WTEQ-0065
104	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
105	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
106	WTEQ-135	Ion Exchange - Delivery to Site - Manifold & Pipe Segments	1	0	100%	21-Oct-21 A	26-Oct-21 A	☐		
107	**LPGAC System**		272	0		01-Oct-20 A	26-Oct-21 A			
108	WTEQ-145A	LPGAC System - Submittals - Received and Approve	63	0	100%	01-Oct-20 A	04-Jan-21 A	☐	M1	WTEQ-120
109	WTEQ-115	LPGAC System - Fabrication	148	0	100%	05-Jan-21 A	02-Aug-21 A	☐	PMOB-0005, PMOB-0010	WTEQ-120
110	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
111	WTEQ-125	LPGAC System - Delivery to Site- Middle 4	0	0	100%	21-Sep-21 A	21-Sep-21 A	☐		
112	WTEQ-130	LPGAC System - Delivery to Site - West 4	0	0	100%	22-Sep-21 A	22-Sep-21 A	☐		
113	WTEQ-140	LPGAC System - Delivery to Site- Manifolds & Pipe Assemblies	1	0	100%	21-Oct-21 A	26-Oct-21 A	☐		WTAG-30
114	**Trojan**		49	0		16-Jul-21 A	24-Sep-21 A			
115	WTEQ-0070	AOP (2) - Delivery to Site	11	0	100%	16-Jul-21 A	30-Jul-21 A	☐	WTFD-N0085	WTEQ-180A, WTEQ-150A
116	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
117	**AIS**		186	35		28-May-21 A	18-Feb-22			
118	A4000	Instrumentation -Submittal Package	5	0	100%	02-Aug-21 A	06-Aug-21 A	☐		A1535A
119	A1535A	Instrumentation Package - Delivery to Site	74	22	0%	09-Aug-21 A	01-Feb-22	☐	A4000	WTAG-135A
120	**Switchgear (Lankershim)**		169	18		28-May-21 A	27-Jan-22			
121	A2000	Switchgear Submittal Package	8	0	100%	28-May-21 A	09-Jun-21 A	☐		A4005
122	A4005	Electrical Design Adds	20	0	100%	10-Jun-21 A	07-Jul-21 A	☐	A2000	A2000.1, A2030, A3020
123	A2000.1	Switchgear Submittal Package Rev1	6	0	100%	08-Jul-21 A	15-Jul-21 A	☐	A4005	A2010
124	A2010	Switchgear Fabrication (Lankershim)	71	18	15%	16-Jul-21 A	26-Jan-22	☐	A2000.1	A2020
125	A2020	Switchgear - (Lankershim) Delivery to Site	0	0	0%	27-Jan-22	27-Jan-22	☐	A2010	WTAG-0030, WTAG-0031, WTAG-120A
126	**Switchgear (Well Sites)**		146	29		27-Aug-21 A	11-Feb-22			
127	A4120	Switchgear Fabrication (Well Sites)	71	29	15%	27-Aug-21 A	10-Feb-22	☐		A4110
128	A4110	Switchgear - (Well Sites) Delivery to Site	0	0	0%	11-Feb-22	11-Feb-22	☐	A4120	WTAG-0030
129	**MCC**		142	11		27-Jun-21 A	17-Jan-22			
130	A2030	MCC Submittal Package	9	0	100%	27-Jun-21 A	08-Jul-21 A	☐	A4005	A2040
131	A2040	MCC Fabrication	108	0	100%	09-Jul-21 A	10-Dec-21 A	☐	A2030	A2050
132	A2050	MCC - Delivery to Site	11	11	0%	03-Jan-22*	17-Jan-22	☐	A2040	WH-0185
133	**Pumps**		167	35		25-Jun-21 A	18-Feb-22			
134	A2060	Pumps Submittal Package	18	0	100%	25-Jun-21 A	20-Jul-21 A	☐		A2070
135	A2070	Pumps Fabrication	123	30	0%	21-Jul-21 A	11-Feb-22	☐	A2060	A2080
136	A2080	Pumps - Delivery to Site	5	5	0%	14-Feb-22	18-Feb-22	☐	WTFD-S0050, A2070	WTAG-0010
137	**Parcel C**		83	0		24-Jun-21 A	29-Oct-21 A			
138	A4010	Receive DCB 015B	1	0	100%	24-Jun-21 A	24-Jun-21 A	☐		A3000
139	CN-20	Parcel C Submittal Package	29	0	100%	20-Jul-21 A	08-Oct-21 A	☐		A3000



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#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
140	A3000	Parcel C Fabrication	0	0	100%	08-Oct-21 A	08-Oct-21 A	☐	A4010, CN-20	A3010
141	A3010	Parcel C - Delivery to Site	8	0	100%	08-Oct-21 A	29-Oct-21 A	☐	A3000	WTS-90A, WTS-70A, WTS-0035
142	**Cable Tray**		53	0		16-Jul-21 A	22-Sep-21 A			
143	A3020	Cable Tray Submittal Package	5	0	100%	16-Jul-21 A	22-Jul-21 A	☐	A4005	A3030
144	A3030	Cable Tray Fabrication	46	0	100%	23-Jul-21 A	21-Sep-21 A	☐	A3020	A3040
145	A3040	Cable Tray - Delivery to Site	2	0	100%	22-Sep-21 A	22-Sep-21 A	☐	A3030	WH-470A, WTAG-125A, WTAG-130A
146	**CEC**		406	114		03-Nov-20 A	13-Jun-22			
147	A1010	CEC Contract Award	0	0	100%		03-Nov-20 A	☐	PMOB-0010	A1135
148	**Network Equipment**		327	35		04-Nov-20 A	18-Feb-22			
149	A1135	Network Equipment Submittal Package (LADWP Hc	173	0	100%	04-Nov-20 A	13-Jul-21 A	☐	A1010, A1000	A1520A, A1470
150	A1520A	Network Equipment Fabrication	82	0	100%	01-Jul-21 A	17-Dec-21 A	☐	A1135	WTEQ-0105
151	WTEQ-0105	SCADA Cabinet - Delivery to Site	35	35	0%	03-Jan-22	18-Feb-22	☐	A1520A, A1470	WTAG-0055
152	**VFD**		163	19		09-Jun-21 A	27-Jan-22			
153	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
154	A1440	VFDs - Fabrication	67	17	0%	28-Jul-21 A	25-Jan-22	☐	A1090, A1000, A1090	A1525A, WTAG-0050
155	A1525A	VFDs - Delivery to Site	2	2	0%	26-Jan-22	27-Jan-22	☐	A1440	
156	**Well Control Panel**		357	65		04-Nov-20 A	01-Apr-22			
157	A1075	NHE-6-CP Panel Drawing Submittal Package	184	0	100%	04-Nov-20 A	28-Jul-21 A	☐	A1000	A1060
158	A1060	NHE-5R-CP Panel Drawing Submittal Package	184	0	100%	04-Nov-20 A	28-Jul-21 A	☐	A1075	A1045
159	A1045	NHE-4R-CP Panel Drawing Submittal Package	184	0	100%	04-Nov-20 A	28-Jul-21 A	☐	A1060	A1470
160	A1030	NHE-3R-CP- Panel Drawing Submittal Package	184	0	100%	04-Nov-20 A	28-Jul-21 A	☐	A1000	A1470
161	A1015	NHE-2-CP Panel Drawing Submittal Package	184	0	100%	04-Nov-20 A	28-Jul-21 A	☐	A1000	A1510A, A1470
162	A1470	Well Control Panels - Fabrication	100	0	40%	15-Jun-21 A	03-Jan-22	☐	A1045, A1000, A1015, A1030, A1135	A1530A, WTAG-0050, WTEQ-0105
163	A1530A	Well Control Panels - Delivery to Site	5	5	0%	28-Mar-22	01-Apr-22	☐	A1470, A4100	GW-SW25A, GW-SW25A10, GW-SW25A20, GW-SW25A30, GW-SW25A40
164	**Main Control Panel**		355	63		04-Nov-20 A	30-Mar-22			
165	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
166	A1005	LADWP Review & Approve MCP Design	100	0	100%	03-Feb-21 A	24-Jun-21 A	☐	A1000	WTEQ-0100
167	WTEQ-0100	MCP - Fabrication	114	5	0%	15-Jun-21 A	07-Jan-22	☐	A1005, A1000	WTEQ-165A
168	WTEQ-165A	MCP - Delivery	3	3	0%	28-Mar-22	30-Mar-22	☑	WTEQ-0100, A4100	WTAG-0070
169	**Programming**		406	114		04-Nov-20 A	13-Jun-22			
170	A1185	iFIX Software Development Submittals - Received and Approved	206	0	100%	04-Nov-20 A	08-Oct-21 A	☐	A1000	A1450
171	A1150	PLC Programming Submittals - Received and Appro	217	0	100%	04-Nov-20 A	22-Oct-21 A	☐	A1000	A1450, A1230
172	A1450	Software (Licensing) - Delivery	1	1	0%	22-Feb-22	22-Feb-22	☐	A4055, A1185, A1150	WTAG-0055
173	A1230	Start-Up Plan Submittal - Received and Approved	78	78	0%	22-Feb-22	13-Jun-22	☐	A4055, A1150	
174	**PLC**		119	51		24-Sep-21 A	14-Mar-22			
175	A4025	30% PLC Programming Submittal Package	0	0	100%	24-Sep-21 A	28-Oct-21 A	☐		A4030, A4060
176	A4030	Review of 30% PLC Programming Submittal Packag	10	0	100%	29-Oct-21 A	10-Dec-21 A	☐	A4025	A4040
177	A4040	60% PLC Programming Submittal Package	17	0	100%	29-Nov-21 A	31-Dec-21 A	☐	A4030	A4050, A4075, A4045
178	A4045	Review of 60% PLC Programming Submittal Packag	15	15	0%	03-Jan-22*	21-Jan-22	☐	A4040	
179	A4050	90% PLC Programming Submittal Package	21	21	0%	03-Jan-22	31-Jan-22	☐	A4040	A4055, A4090
180	A4055	Review of 90% PLC Programming Submittal Packag	15	15	0%	01-Feb-22	21-Feb-22	☐	A4050	A1450, A1230, A4070
181	A4070	100% PLC Programming Submittal Package	5	5	0%	22-Feb-22	28-Feb-22	☐	A4055	A4085, A4115
182	A4085	Review of 100% PLC Programming Submittal Packa	10	10	0%	01-Mar-22	14-Mar-22	☐	A4070	
183	**IFix**		84	60		24-Sep-21 A	25-Mar-22			
184	A4060	30% iFIX Software Development Submittal Package	0	0	100%	24-Sep-21 A	28-Oct-21 A	☐	A4025	A4065
185	A4065	Review of 30% iFIX Software Development Submittal Package	15	0	100%	29-Oct-21 A	10-Dec-21 A	☐	A4060	A4075
186	A4075	60% iFIX Software Development Submittal Package	2	0	100%	29-Nov-21 A	31-Dec-21 A	☐	A4065, A4040	A4080

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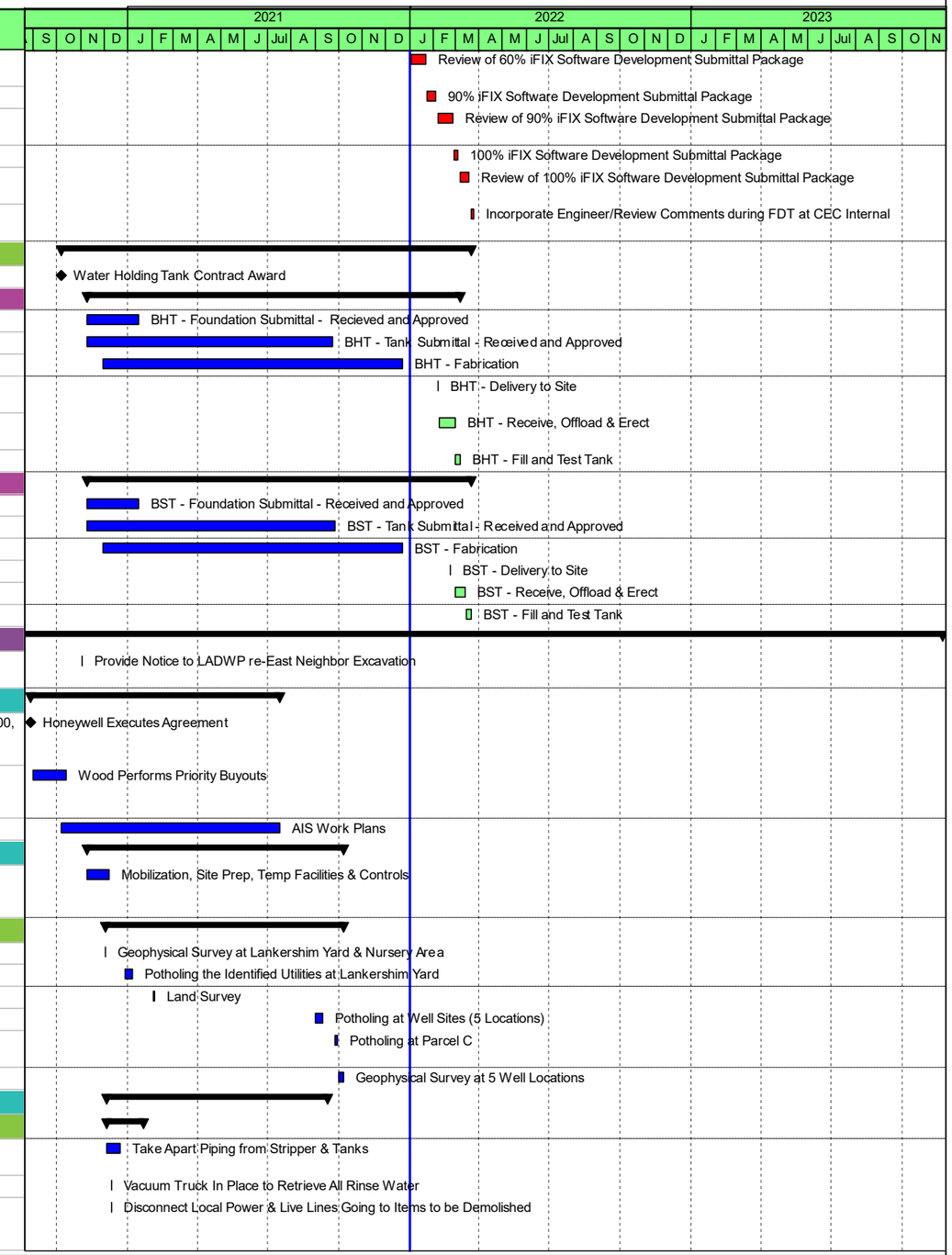
#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
187	A4080	Review of 60% iFIX Software Development Submittal Package	15	15	0%	03-Jan-22	21-Jan-22	☑	A4075	A4090
188	A4090	90% iFIX Software Development Submittal Package	10	10	0%	24-Jan-22	04-Feb-22	☑	A4080, A4050	A4095
189	A4095	Review of 90% iFIX Software Development Submittal Package	15	15	0%	07-Feb-22	25-Feb-22	☑	A4090	A4100, A4105
190	A4105	100% iFIX Software Development Submittal Packag	5	5	0%	28-Feb-22	04-Mar-22	☑	A4095	A4115
191	A4115	Review of 100% iFIX Software Development Submittal Package	10	10	0%	07-Mar-22	18-Mar-22	☑	A4105, A4070	A4100
192	A4100	Incorporate Engineer/Review Comments during FDT at CEC Internal	5	5	0%	21-Mar-22	25-Mar-22	☑	A4095, A4115	WTEQ-165A, A1530A
193	**UIG**		368	31		07-Oct-20 A	21-Mar-22			
194	A1490	Water Holding Tank Contract Award	0	0	100%	07-Oct-20 A		☐	PMOB-0005	A1475, A1480
195	**Backwash Holding Tank (North)**		335	21		09-Nov-20 A	07-Mar-22			
196	A1500	BHT - Foundation Submittal - Recieved and Approv	45	0	100%	09-Nov-20 A	15-Jan-21 A	☐	A1495	WTFD-N0070
197	A1510A	BHT - Tank Submittal - Received and Approved	208	0	100%	09-Nov-20 A	24-Sep-21 A	☐	A1015	A1515A, A1495
198	A1495	BHT - Fabrication	228	0	100%	30-Nov-20 A	23-Dec-21 A	☐	PMOB-0005, A1510A	A1500, A1505
199	A1505	BHT - Delivery to Site	1	1	0%	07-Feb-22	07-Feb-22	☐	WTFD-S0025, WTFD-N0070, A1495	WTEQ-0005, M7, CN-0020, A1485
200	WTEQ-0005	BHT - Receive, Offload & Erect	15	15	0%	08-Feb-22	28-Feb-22	☐	WTFD-N125, WTFD-N0075, WTFD-N0070, A1505, M4	WTAG-220A, WTEQ-160A, WTEQ-0075
201	WTEQ-160A	BHT - Fill and Test Tank	5	5	0%	01-Mar-22	07-Mar-22	☐	WTEQ-0005	CN-0020
202	**Backwash Supply Tank (South)**		345	20		09-Nov-20 A	21-Mar-22			
203	A1475	BST - Foundation Submittal - Received and Approve	45	0	100%	09-Nov-20 A	15-Jan-21 A	☐	A1490	WTFD-S0025, A1515A
204	A1515A	BST - Tank Submittal - Received and Approved	208	0	100%	09-Nov-20 A	27-Sep-21 A	☐	A1510A, A1475	A1480
205	A1480	BST - Fabrication	236	0	100%	30-Nov-20 A	23-Dec-21 A	☐	A1515A, A1490	A1485
206	A1485	BST - Delivery to Site	0	0	0%	22-Feb-22	22-Feb-22	☐	WTFD-S55, A1480, A1505	CN-0020
207	WTEQ-0075	BST - Receive, Offload & Erect	10	10	0%	01-Mar-22	14-Mar-22	☐	WTFD-S0025, WTEQ-0005, M	WTEQ-155A
208	WTEQ-155A	BST - Fill and Test Tank	5	5	0%	15-Mar-22	21-Mar-22	☐	WTEQ-0075	CN-0020
209	**Phase 1B Treatment System Construction**		863	483		01-Jul-20 A	22-Nov-23			
210	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
211	**Pre Mobilization**		221	0		28-Aug-20 A	16-Jul-21 A			
212	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
213	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
214	PMOB-0015	AIS Work Plans	195	0	100%	07-Oct-20 A	16-Jul-21 A	☐	PMOB-0010	
215	**Mobilization**		234	0		10-Nov-20 A	07-Oct-21 A			
216	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,
217	**Utility Investigation/Locate/Protection & Positive Identi**		219	0		03-Dec-20 A	07-Oct-21 A			
218	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
219	MOB-0015	Potholing the Identified Utilities at Lankershim Yard	8	0	100%	28-Dec-20 A	07-Jan-21 A	☐	MOB-0010	MOB-0020
220	MOB-0020	Land Survey	2	0	100%	03-Feb-21 A	04-Feb-21 A	☐	MOB-0015, MOB-0008	
221	MOB-0035	Potholing at Well Sites (5 Locations)	0	0	100%	01-Sep-21 A	10-Sep-21 A	☐	MOB-0025	GW-SW0025, GW-EQ0010
222	MOB-0030	Potholing at Parcel C	4	0	100%	26-Sep-21 A	30-Sep-21 A	☐		MOB-0025, WTS-0035, WTS-0040
223	MOB-0025	Geophysical Survey at 5 Well Locations	0	0	100%	01-Oct-21 A	07-Oct-21 A	☐	MOB-0030	MOB-0035
224	**Lankershim Yard Selective Demolition**		199	0		04-Dec-20 A	17-Sep-21 A			
225	**Exterior Selective Demolition**		31	0		04-Dec-20 A	20-Jan-21 A			
226	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
227	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
228	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



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#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
229	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
230	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
231	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
232	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
233	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
234	DEMO-0075	LADWP Disconnect Transformer	1	0	100%	20-Jan-21 A	20-Jan-21 A	☐		MOB-0005, DEMO-0045
235	**Surface & Subsurface Selective Demolition**		174	0		13-Jan-21 A	17-Sep-21 A			
236	DEMO-0045	Breakout & Stockpile for Loadout - North	3	0	100%	13-Jan-21 A	15-Jan-21 A	☐	DEMO-0040, DEMO-0075	DEMO-0050
237	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
238	DEMO-0045S	Breakout & Stockpile for Loadout - South	5	0	100%	18-Jul-21 A	23-Jul-21 A	☐	WTUG-N0040	DEMO-0050S, DEMO-0050S
239	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
240	**Warehouse Interior Selective Demolition**		71	0		21-Dec-20 A	01-Apr-21 A			
241	DEMO-0055	All Interior Partitions & Doors	71	0	100%	21-Dec-20 A	01-Apr-21 A	☐	DEMO-0035	DEMO-0060
242	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
243	**Water Treatment UG MEP**		240	21		01-Mar-21 A	07-Feb-22			
244	**North Side**		96	0		01-Mar-21 A	14-Jul-21 A			
245	**UG Plumbing & Mechanical**		64	0		03-Mar-21 A	02-Jun-21 A			
246	**New Slab Area**		64	0		03-Mar-21 A	02-Jun-21 A			
247	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
248	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
249	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
250	WTUG-N0011	NS - New Slab Area - Pressure Test	2	0	100%	05-Apr-21 A	06-Apr-21 A	☐	WTUG-N0010, CAR-1035	
251	**UG Electrical**		96	0		01-Mar-21 A	14-Jul-21 A			
252	WTUG-N0019	Receive DCB-006 (Electrical)	1	0	100%	01-Mar-21 A	01-Mar-21 A	☐		WTUG-N95A, WTUG-N0020
253	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
254	WTUG-N95A	NS - UG - Trenching & install for site lighting conduit	3	0	100%	08-Jul-21 A	12-Jul-21 A	☐	WTUG-N0019	
255	WTUG-N100A	NS - UG - Cast ductbank	1	0	100%	14-Jul-21 A	14-Jul-21 A	☐	WTUG-N0020	
256	**South Side**		135	10		13-Jul-21 A	21-Jan-22			
257	**UG Plumbing & Mechanical**		51	0		13-Jul-21 A	13-Dec-21 A			
258	WTUG-S0005	SS - New Slab Area - Excavate Trenches for Piping	46	0	100%	13-Jul-21 A	08-Dec-21 A	☐	WTFD-N0020, CN-0010	WTUG-S0010
259	WTUG-S0010	SS - New Slab Area - Install Pipe (LB), Stub-Up & Perform Pressure Test	43	0	100%	16-Jul-21 A	15-Nov-21 A	☐	WTUG-S0005	WTFD-S65, M23, M5, WTUG-N105A, WTUG-S0060, WTUG-S0020, WTUG-S115
260	WTUG-S115	SS - New Slab Area - Install Pipe (SB), Stub-Up & Perform Pressure Test	32	0	100%	08-Aug-21 A	13-Dec-21 A	☐	WTUG-S0010	WTFD-S85
261	**UG Electrical**		89	10		12-Sep-21 A	21-Jan-22			
262	WTUG-S0020	SS - UG E&I and Controls - Excavate & Trenching	4	0	100%	12-Sep-21 A	17-Sep-21 A	☐	WTUG-N105A, WTUG-S0010	WTUG-S0025
263	WTUG-N105A	SS - UG - Trenching & install for site lighting conduit	4	0	100%	12-Sep-21 A	17-Sep-21 A	☐	WTUG-S0010	WTUG-S0020
264	WTUG-N105A1	SS - UG - Reconnect Existing Chlorination Ductbank	3	0	100%	25-Oct-21 A	25-Oct-21 A	☐		
265	WTUG-S120	LADWP Releases Vose Street P Plan	1	1	0%	10-Jan-22*	10-Jan-22	☐		WTUG-S0025
266	WTUG-S0025	SS - UG E & I and Controls - Install Conduit in Trench & Stub-Up (Includes Ductbank & Switch to PL	4	4	0%	11-Jan-22*	14-Jan-22	☐	WTUG-S0020, WTUG-S120	WTUG-S0080, WTUG-S0085
267	WTUG-S0085	Install Switch & Transformer Pad & TSMSB1 Pad	3	3	0%	17-Jan-22*	19-Jan-22	☐	WTUG-S0025	WTAG-120A, WTFD-S0005, WTAG-0030, WTAG-0070, WTAG-0065
268	WTAG-0065	Initial Inspection of Pads, Bollards & Conduits	1	1	0%	21-Jan-22	21-Jan-22	☐	WTFD-S0025, WTFD-S0005, WTUG-S0085	WTAG-0030
269	**Other**		26	3		20-Sep-21 A	07-Feb-22			
270	**Main Conveyance Lines**		26	3		20-Sep-21 A	07-Feb-22			

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#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
271	WTUG-N0035	Main Conveyance Lines - Excavate Trenches & Install Piping (North to South)	0	0	100%	20-Sep-21 A	17-Dec-21 A	☐	WTUG-N0015	WTS-0015
272	WTUG-N0040	Main Conveyance Lines - Pressure Testing & Cap	15	0	100%	14-Nov-21 A	03-Dec-21 A	☐	WTS-0015	DEMO-0045S, WTS-0005, WTS-0050, WTUG-N0060
273	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:
274	WTS-0010	Sanitary Sewer Line - Install Pipe in Trench & Pressure Test from Backwash Holding Tank to Main	2	0	100%	13-Dec-21 A	17-Dec-21 A	☐	WTS-0005	WTS-0050
275	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
276	WTS-0050	Sanitary Sewer Line - Public Street Work (Restoration)	3	3	0%	03-Feb-22*	07-Feb-22	☐	CAR-1060A, CAR-1045A, M22, WTS-0010, WTS-0015, WTUG-N0040, CAR-1055A	WTS-0020, WTS-0060
277	**Foundations**		250	27		16-Feb-21 A	08-Feb-22			
278	**North Side**		178	26		16-Feb-21 A	07-Feb-22			
279	WTFD-N135	Northside Concrete Epoxy	9	26	40%	14-Sep-21 A	07-Feb-22	☐		
280	WTFD-N130	Northside Concrete Cure	9	0	100%	22-Oct-21 A	29-Oct-21 A	☐	WTFD-N125	
281	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
282	**Northwest Side**		89	0		03-May-21 A	07-Oct-21 A			
283	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
284	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
285	WTFD-N0055	8" SOG Pipe Support Pad	5	0	100%	09-Sep-21 A	07-Oct-21 A	☐	WTFD-N130A, WTFD-N0045, WTFD-N125A	WTAG-220A
286	**Northeast Side**		169	0		16-Feb-21 A	22-Oct-21 A			
287	WTFD-N104	Issue DCB-007 (Structural)	71	0	100%	16-Feb-21 A	26-May-21 A	☐		WTFD-N105
288	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
289	WTFD-N0035	Duplex Equipment Foundation	13	0	100%	03-Jun-21 A	21-Jun-21 A	☐	WTFD-N0020	M19, WTEQ-135A, RP-0060A, WTFD-N0040, WTFD-N0025
290	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
291	WTFD-N0025	Sulfuric Acid Tank Foundation	7	0	100%	24-Jun-21 A	02-Jul-21 A	☐	WTFD-N0035	WTFD-N0045, WTFD-N0090
292	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
293	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
294	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
295	WTFD-N110	Slab Trench Drain	10	0	100%	02-Sep-21 A	07-Oct-21 A	☐	WTFD-N0060	WTFD-N0030, CN-0020
296	WTFD-N0060	12" SOG (Form, Rebar, Pour)	15	0	100%	02-Sep-21 A	22-Oct-21 A	☐	WTFD-N125A	M17, WTEQ-130A, WTEQ-0055, WTFD-N110,
297	WTFD-N115	Containment Curb	5	0	100%	14-Sep-21 A	07-Oct-21 A	☐	WTFD-N0075	CN-0020
298	WTFD-N145	Cable tray support foundations	3	0	100%	24-Sep-21 A	22-Oct-21 A	☐		WTFD-N150
299	WTFD-N0030	Chemical Truck Unloading Ramp	4	0	100%	08-Oct-21 A	22-Oct-21 A	☐	WTFD-N110	WTFD-N125, M14
300	**South Side**		168	27		14-Jun-21 A	08-Feb-22			
301	**Concrete Work**		168	27		14-Jun-21 A	08-Feb-22			
302	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,
303	WTFD-S55	Backwash Supply Tank Foundation (Concrete Pour)	1	0	100%	07-Jul-21 A	07-Jul-21 A	☐	WTFD-S0025	A1485, WTFD-N0075
304	WTFD-S135	Form & Rebar Southside Lightpoles	3	0	100%	25-Aug-21 A	30-Aug-21 A	☐		
305	WTFD-N150	Cable tray support foundations	4	0	100%	08-Oct-21 A	22-Oct-21 A	☐	WTFD-N145	
306	WTFD-S75	8" SOG (Rebar & Pour)	5	0	100%	18-Oct-21 A	29-Oct-21 A	☐	WTFD-S70, WTFD-N130A	WTFD-S80, WH-480A
307	WTFD-S80	Misc. Finish	5	5	0%	03-Jan-22*	07-Jan-22	☐	WTFD-S75	CN-0020
308	WTFD-S0050	Pump Equipment Pads (3)	5	5	0%	17-Jan-22*	21-Jan-22	☐	WTFD-S0045	A2080, WTFD-S0055
309	WTFD-S0045	Slab Trench Drain & Equipment Support Pads (Rebar & Pour)	17	17	0%	17-Jan-22*	08-Feb-22	☐	WTFD-S65	WTFD-S0050

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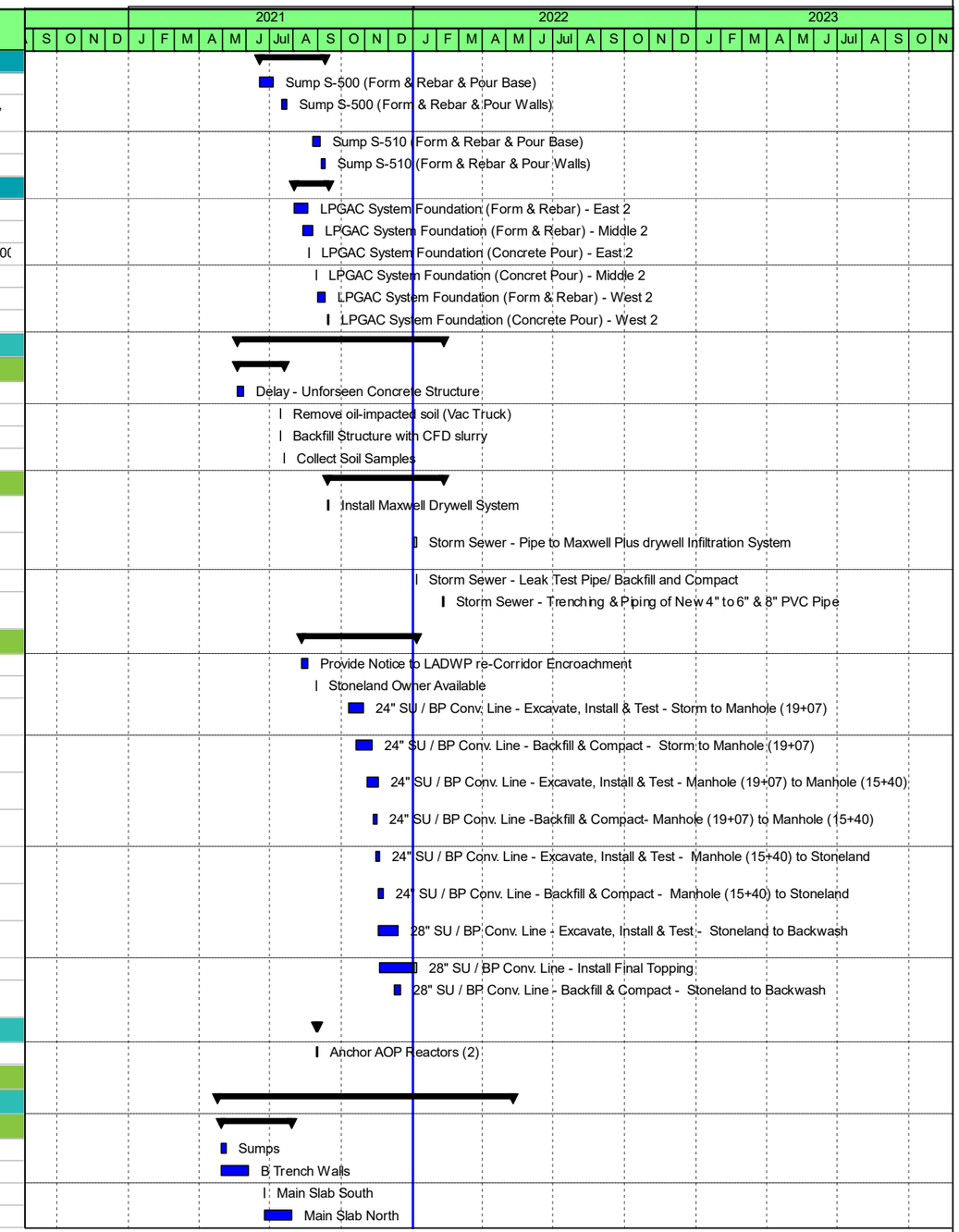
#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
310	**Sump**		79	0		18-Jun-21 A	10-Sep-21 A			
311	WTFD-S60	Sump S-500 (Form & Rebar & Pour Base)	13	0	100%	18-Jun-21 A	06-Jul-21 A	☐	WTFD-S0025	WTFD-S65, WTFD-S0020
312	WTFD-S0020	Sump S-500 (Form & Rebar & Pour Walls)	6	0	100%	16-Jul-21 A	23-Jul-21 A	☐	WTFD-S60	WTFD-S110, WTFD-S0010, WTFD-S0055
313	WTFD-S110	Sump S-510 (Form & Rebar & Pour Base)	8	0	100%	25-Aug-21 A	03-Sep-21 A	☐	WTFD-S0020	
314	WTFD-S85	Sump S-510 (Form & Rebar & Pour Walls)	5	0	100%	06-Sep-21 A	10-Sep-21 A	☐	WTUG-S115	
315	**LPGAC**		36	0		02-Aug-21 A	14-Sep-21 A			
316	WTFD-S65	LPGAC System Foundation (Form & Rebar) - East 2	10	0	100%	02-Aug-21 A	19-Aug-21 A	☐	WTUG-S0010, WTFD-S60	WTFD-S0045
317	WTFD-S115	LPGAC System Foundation (Form & Rebar) - Middle	10	0	100%	13-Aug-21 A	25-Aug-21 A	☐		
318	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(
319	WTFD-S125	LPGAC System Foundation (Concret Pour) - Middle	1	0	100%	30-Aug-21 A	30-Aug-21 A	☐		
320	WTFD-S120	LPGAC System Foundation (Form & Rebar) - West	7	0	100%	01-Sep-21 A	10-Sep-21 A	☐		
321	WTFD-S130	LPGAC System Foundation (Concrete Pour) - West	1	0	100%	14-Sep-21 A	14-Sep-21 A	☐		
322	**Sewers & Conveyance Lines**		194	28		20-May-21 A	09-Feb-22			
323	**Unknown Structure Closure**		43	0		20-May-21 A	20-Jul-21 A			
324	A3060	Delay - Unforseen Concrete Structure	7	0	100%	20-May-21 A	28-May-21 A	☐		
325	A3045	Remove oil-impacted soil (Vac Truck)	1	0	100%	15-Jul-21 A	15-Jul-21 A	☐		A3050
326	A3050	Backfill Structure with CFD slurry	1	0	100%	15-Jul-21 A	15-Jul-21 A	☐	A3045	A3055
327	A3055	Collect Soil Samples	1	0	100%	20-Jul-21 A	20-Jul-21 A	☐	A3050	WTS-0055
328	**Storm Sewer**		105	28		13-Sep-21 A	09-Feb-22			
329	WTS-0055	Install Maxwell Drywell System	4	0	100%	13-Sep-21 A	15-Sep-21 A	☐	A3055	WTS-0025, CN-0020, WTS-0065
330	WTS-0025	Storm Sewer - Pipe to Maxwell Plus drywell Infiltration System	3	3	0%	03-Jan-22	05-Jan-22	☐	WTS-0055	WTS-0030
331	WTS-0030	Storm Sewer - Leak Test Pipe/ Backfill and Compact	1	1	0%	06-Jan-22	06-Jan-22	☐	WTS-0025	CN-0020, WTS-0065
332	WTS-0020	Storm Sewer - Trenching & Piping of New 4" to 6" & 8" PVC Pipe	2	2	0%	08-Feb-22	09-Feb-22	☐	WTS-0005, WTS-0050	CN-0020
333	**Parcel C**		123	3		12-Aug-21 A	05-Jan-22			
334	CN-0005	Provide Notice to LADWP re-Corridor Encroachment	1	0	100%	12-Aug-21 A	19-Aug-21 A	☐	MOB-0005	WTS-0035
335	WTS-0033	Stoneland Owner Available	1	0	100%	30-Aug-21 A	30-Aug-21 A	☐		WTS-70A
336	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
337	WTS-80A	24" SU / BP Conv. Line - Backfill & Compact - Storm to Manhole (19+07)	8	0	100%	20-Oct-21 A	09-Nov-21 A	☐	WTS-0040	WTS-100A, WTS-90A
338	WTS-90A	24" SU / BP Conv. Line - Excavate, Install & Test - Manhole (19+07) to Manhole (15+40)	15	0	100%	03-Nov-21 A	17-Nov-21 A	☐	A3010, WTS-0040, WTS-80A	WTS-100A
339	WTS-100A	24" SU / BP Conv. Line -Backfill & Compact- Manhole (19+07) to Manhole (15+40)	8	0	100%	11-Nov-21 A	15-Nov-21 A	☐	WTS-90A, WTS-80A	WTS-85A, WTS-0035
340	WTS-70A	24" SU / BP Conv. Line - Excavate, Install & Test - Manhole (15+40) to Stoneland	15	0	100%	15-Nov-21 A	19-Nov-21 A	☐	WTS-0033, A3010, WTS-0035	WTS-75A
341	WTS-75A	24" SU / BP Conv. Line - Backfill & Compact - Manhole (15+40) to Stoneland	8	0	100%	18-Nov-21 A	23-Nov-21 A	☐	WTS-70A	
342	WTS-0035	28" SU / BP Conv. Line - Excavate, Install & Test - Stoneland to Backwash	15	0	100%	18-Nov-21 A	13-Dec-21 A	☐	A3010, MOB-0030, CN-0005, WTS-100A	WTS-70A, WTS-0045
343	WTS-85A	28" SU / BP Conv. Line - Install Final Topping	5	3	0%	19-Nov-21 A	05-Jan-22	☐	WTS-100A	CN-0020
344	WTS-0045	28" SU / BP Conv. Line - Backfill & Compact - Stoneland to Backwash	8	0	100%	09-Dec-21 A	17-Dec-21 A	☐	WTS-0035	EIA-9000, CN-0020, WTS-0070
345	**Water Treatment Equipment**		2	0		30-Aug-21 A	31-Aug-21 A			
346	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
347	**Water Holding Tanks**		0	0						
348	**Warehouse Modifications**		265	90		26-Apr-21 A	09-May-22			
349	**Foundations**		64	0		30-Apr-21 A	29-Jul-21 A			
350	WTFD-N0110A	Sumps	5	0	100%	30-Apr-21 A	06-May-21 A	☐		WTFD-N110A
351	WTFD-N110A	B Trench Walls	25	0	100%	30-Apr-21 A	04-Jun-21 A	☐	WTFD-N0110A	WTFD-N0085
352	WTFD-N120A	Main Slab South	2	0	100%	24-Jun-21 A	25-Jun-21 A	☐		WH-460A
353	WTFD-N115A	Main Slab North	26	0	100%	24-Jun-21 A	29-Jul-21 A	☐	WTFD-N0085	WTAG-25, CN-0020



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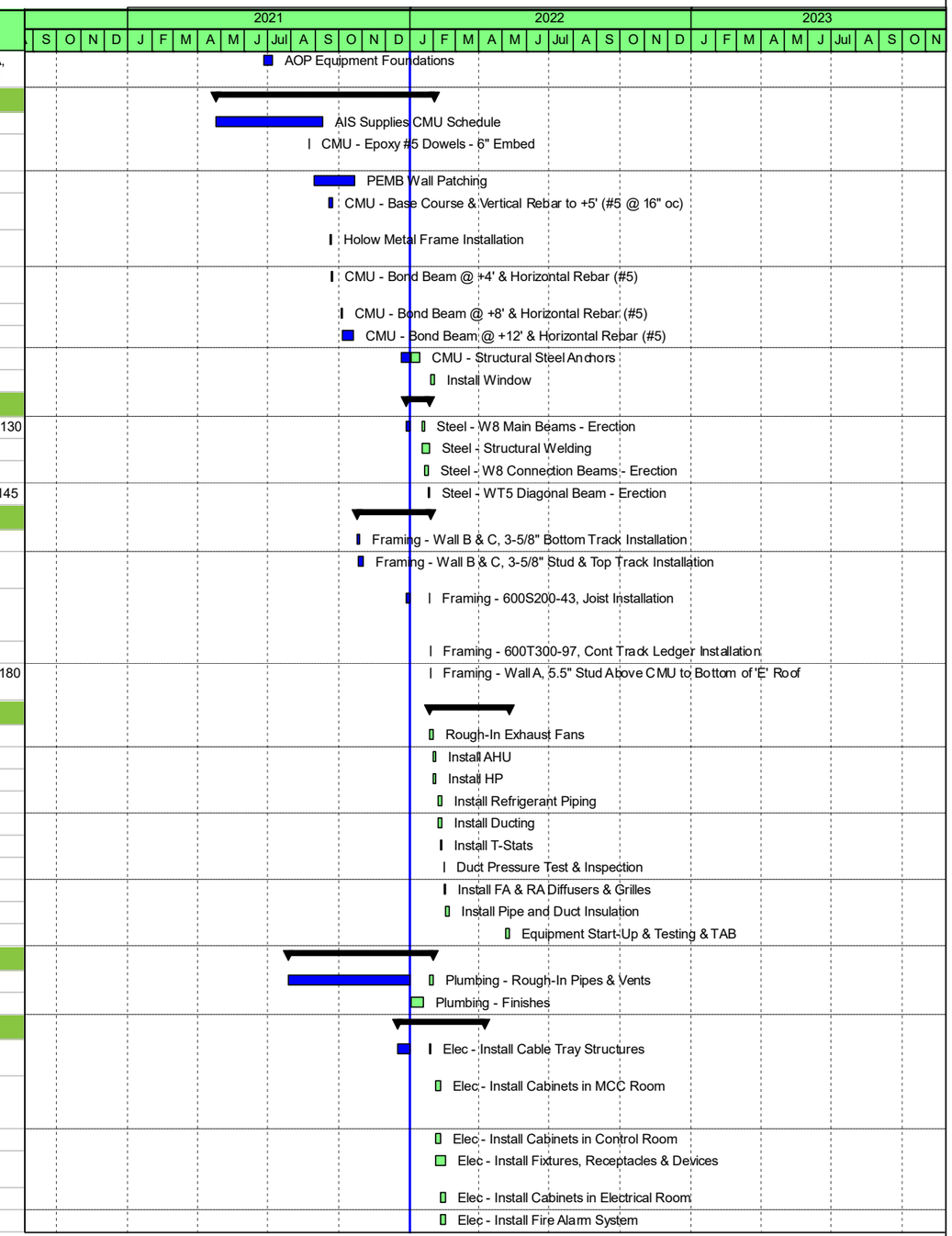
354	WTFD-N0085	AOP Equipment Foundations	8	0	100%	27-Jun-21 A	07-Jul-21 A	☐	WTFD-N110A	WTEQ-180A, WTFD-N115A, WTEQ-0070, WTFD-N0090
355	**CMU**		197	22		26-Apr-21 A	01-Feb-22			
356	WH-435	AIS Supplies CMU Schedule	89	0	100%	26-Apr-21 A	10-Sep-21 A	☐		WH-440, WH-0010
357	WH-0010	CMU - Epoxy #5 Dowels - 6" Embed	2	0	100%	24-Aug-21 A	24-Aug-21 A	☐	WH-440, WH-435, WH-460A, DEMO-0060	WH-0045
358	WH-440	PEMB Wall Patching	5	0	100%	30-Aug-21 A	22-Oct-21 A	☐	WH-435	WH-0010
359	WH-0015	CMU - Base Course & Vertical Rebar to +5' (#5 @ 16" oc)	4	0	100%	19-Sep-21 A	24-Sep-21 A	☐	WH-460A	WH-0045, WH-0045
360	WH-460A	Holow Metal Frame Installation	2	0	100%	20-Sep-21 A	22-Sep-21 A	☐	WTFD-N120A, WH-0002, DEMO-0060	WH-0015, WH-0010
361	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
362	WH-0060	CMU - Bond Beam @ +8' & Horizontal Rebar (#5)	2	0	100%	04-Oct-21 A	06-Oct-21 A	☐	WH-0045	WH-0085, WH-0285
363	WH-0085	CMU - Bond Beam @ +12' & Horizontal Rebar (#5)	2	0	100%	06-Oct-21 A	20-Oct-21 A	☐	WH-0060, WH-0045	WH-0090
364	WH-0090	CMU - Structural Steel Anchors	0	10	25%	21-Dec-21 A	14-Jan-22	☐	WH-0085	WH-0120, WH-0130
365	WH-0385	Install Window	3	3	0%	28-Jan-22	01-Feb-22	☐	WH-0290	WH-0400
366	**Steel**		8	8		27-Dec-21 A	26-Jan-22			
367	WH-0120	Steel - W8 Main Beams - Erection	4	4	10%	27-Dec-21 A	20-Jan-22	☐	WH-0090	WH-465A, WH-0125, WH-0130
368	WH-465A	Steel - Structural Welding	8	8	0%	17-Jan-22	26-Jan-22	☐	WH-0120	WH-0145
369	WH-0125	Steel - W8 Connection Beams - Erection	2	2	0%	21-Jan-22	24-Jan-22	☐	WH-0120	WH-0130
370	WH-0130	Steel - WT5 Diagonal Beam - Erection	2	2	0%	25-Jan-22	26-Jan-22	☐	WH-0090, WH-0120, WH-0125	WH-470A, CN-0020, WH-0145
371	**Framing & Wall Openings**		39	2		25-Oct-21 A	28-Jan-22			
372	WH-0145	Framing - Wall B & C, 3-5/8" Bottom Track Installatic	1	0	100%	25-Oct-21 A	28-Oct-21 A	☐	WH-465A, WH-0130	WH-0290
373	WH-0150	Framing - Wall B & C, 3-5/8" Stud & Top Track Installation	2	0	100%	26-Oct-21 A	01-Nov-21 A	☐	WH-0290	WH-0310, WH-0180
374	WH-0290	Framing - 600S200-43, Joist Installation	1	1	0%	27-Dec-21 A	27-Jan-22	☐	WH-0145	WH-0210, WH-0385, WH-0155, WH-0150, WH-0310, WH-0285,
375	WH-0180	Framing - 600T300-97, Cont Track Ledger Installatic	1	1	0%	28-Jan-22	28-Jan-22	☐	WH-0150, WH-0155, WH-0155	WH-0235
376	WH-0155	Framing - Wall A, 5.5" Stud Above CMU to Bottom of 'E' Roof	1	1	0%	28-Jan-22	28-Jan-22	☐	WH-0290	WH-0310, WH-0180, WH-0180
377	**Mechanical**		72	72		27-Jan-22	09-May-22			
378	WH-0195	Rough-In Exhaust Fans	3	3	0%	27-Jan-22	31-Jan-22	☐	WH-0290, CAR-1040	WH-0200
379	WH-0210	Install AHU	5	5	0%	31-Jan-22	04-Feb-22	☐	WH-0290, WH-0200	WH-0235, WH-0230
380	WH-0200	Install HP	5	5	0%	31-Jan-22	04-Feb-22	☐	WH-0195	WH-0235, WH-0210
381	WH-0235	Install Refrigerant Piping	5	5	0%	07-Feb-22	11-Feb-22	☐	WH-0210, WH-0200, WH-0180	WH-0240, WH-0245
382	WH-0230	Install Ducting	5	5	0%	07-Feb-22	11-Feb-22	☐	WH-0210	WH-0245
383	WH-0240	Install T-Stats	2	2	0%	10-Feb-22	11-Feb-22	☐	WH-0235	WH-0365, WH-0250
384	WH-0245	Duct Pressure Test & Inspection	2	2	0%	14-Feb-22	15-Feb-22	☐	WH-0230, WH-0235	WH-0250
385	WH-0250	Install FA & RA Diffusers & Grilles	3	3	0%	14-Feb-22	16-Feb-22	☐	WH-0245, WH-0240	WH-0260
386	WH-0260	Install Pipe and Duct Insulation	3	3	0%	17-Feb-22	21-Feb-22	☐	WH-0250	WH-0415, WH-0265
387	WH-0265	Equipment Start-Up & Testing & TAB	3	3	0%	05-May-22	09-May-22	☐	WTAG-0085, WH-0260	CN-0020
388	**Plumbing**		121	21		28-Jul-21 A	31-Jan-22			
389	WH-0170	Plumbing - Rough-In Pipes & Vents	56	3	10%	28-Jul-21 A	31-Jan-22	☐	CAR-1040, WH-0290	WH-0185, WH-0285
390	WH-480A	Plumbing - Finishes	12	12	0%	03-Jan-22*	18-Jan-22	☐	WTFD-S75	WH-0350
391	**Electrical**		52	52		16-Dec-21 A	08-Apr-22			
392	WH-470A	Elec - Install Cable Tray Structures	15	2	0%	16-Dec-21 A	28-Jan-22	☐	A3040, WH-0130	WTAG-225A, WTAG-0045, WH-0185, WTAG-0020
393	WH-0185	Elec - Install Cabinets in MCC Room	5	5	0%	03-Feb-22	09-Feb-22	☐	A2050, WH-0290, WH-0170, DEMO-0060, WH-470A, CAR-1040	WH-0430, WTAG-225A, WH-490A, WH-0320
394	WH-490A	Elec - Install Cabinets in Control Room	5	5	0%	03-Feb-22	09-Feb-22	☐	WH-0185	WTAG-225A, WH-485A
395	WH-0430	Elec - Install Fixtures, Receptacles & Devices	10	10	0%	03-Feb-22	16-Feb-22	☐	WH-0185	WH-475A, WTAG-225A, WH-0435
396	WH-485A	Elec - Install Cabinets in Electrical Room	5	5	0%	10-Feb-22	16-Feb-22	☐	WH-490A	WTAG-225A, WH-0320
397	WH-475A	Elec - Install Fire Alarm System	5	5	0%	10-Feb-22	16-Feb-22	☐	WH-0430	WTAG-225A



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

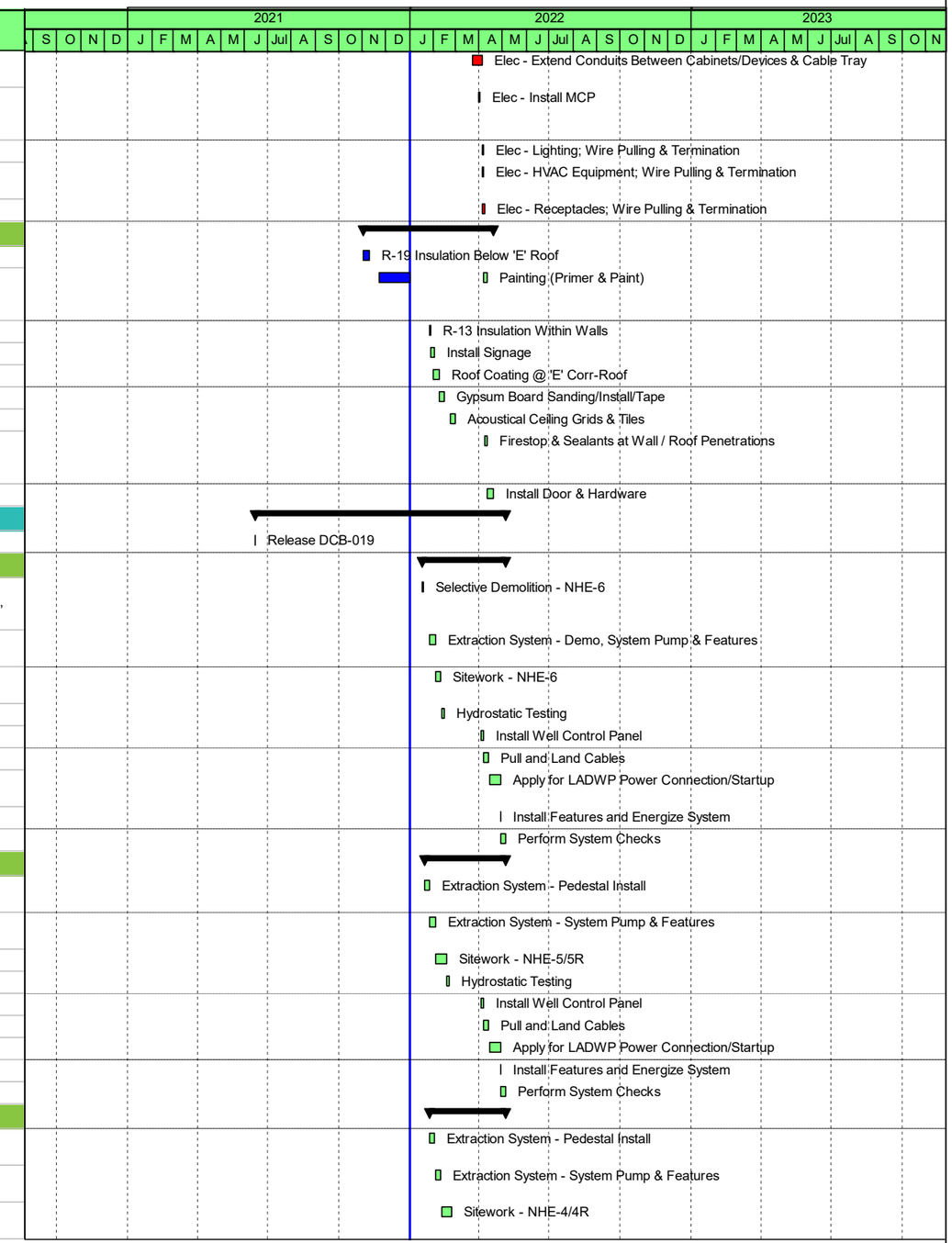
Project ID: 6519200010
TASK filter: All Activities

wood.

HON North Hollywood Operable Unit

Data Date: 01-Jan-22
Print: 29-Dec-21

#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
398	WH-0320	Elec - Extend Conduits Between Cabinets/Devices & Cable Tray	8	8	0%	24-Mar-22	04-Apr-22	☑	WTAG-0070, WH-485A, WH-0185	WH-0370, WH-0365, WTAG-225A, WH-0435
399	WTAG-0070	Elec - Install MCP	2	2	0%	31-Mar-22	01-Apr-22	☑	WTEQ-165A, WTUG-S0085	WH-0370, WH-0365, WTAG-225A, WH-0320, WTAG-0055, CN-0020
400	WH-0435	Elec - Lighting; Wire Pulling & Termination	2	2	0%	05-Apr-22	06-Apr-22	☐	WH-0320, WH-0430	WTAG-225A, CN-0020
401	WH-0365	Elec - HVAC Equipment; Wire Pulling & Termination	3	3	0%	05-Apr-22	07-Apr-22	☐	WTAG-0070, WH-0240, WH-0320	WH-0285, WTAG-160A, WTAG-225A
402	WH-0370	Elec - Receptacles; Wire Pulling & Termination	4	4	0%	05-Apr-22	08-Apr-22	☑	WTAG-0070, WH-0320	WTAG-225A
403	**Misc**		94	59		01-Nov-21 A	19-Apr-22			
404	WH-0315	R-19 Insulation Below 'E' Roof	3	0	100%	01-Nov-21 A	09-Nov-21 A	☐	WH-0310	WH-0340, WH-0425
405	WH-0350	Painting (Primer & Paint)	4	4	40%	22-Nov-21 A	11-Apr-22	☐	WH-0415, M25, WH-0340, WH-0285, WH-480A, WH-0290, CAR-1040	WH-0380, CN-0020
406	WH-0310	R-13 Insulation Within Walls	3	3	0%	26-Jan-22	28-Jan-22	☐	WH-0150, WH-0155, WH-0290	WH-0315
407	WH-0400	Install Signage	3	3	0%	28-Jan-22	01-Feb-22	☐	WH-0385	WH-0415
408	WH-0425	Roof Coating @ 'E' Corr-Roof	7	7	0%	31-Jan-22*	08-Feb-22	☐	WH-0315	WH-0340
409	WH-0340	Gypsum Board Sanding/Install/Tape	5	5	0%	09-Feb-22	15-Feb-22	☐	WH-0425, WH-0315	WH-0415, M25, WH-0350
410	WH-0415	Acoustical Ceiling Grids & Tiles	5	5	0%	22-Feb-22	28-Feb-22	☐	WH-0260, WH-0340, WH-0400	WH-0350
411	WH-0285	Firestop & Sealants at Wall / Roof Penetrations	2	2	0%	08-Apr-22	11-Apr-22	☐	WH-0365, WH-0290, WH-0045, WH-0045, WH-0060, CAR-1040,	WH-0350
412	WH-0380	Install Door & Hardware	5	5	0%	12-Apr-22	19-Apr-22	☐	WH-0350	CN-0020
413	**Groundwater Extraction System**		228	78		15-Jun-21 A	05-May-22			
414	GW-DM20A	Release DCB-019	1	0	100%	15-Jun-21 A	15-Jun-21 A	☐		GW-DM0010
415	**NHE - 6**		78	78		17-Jan-22	05-May-22			
416	GW-DM0010	Selective Demolition - NHE-6	3	3	0%	17-Jan-22*	19-Jan-22	☐	GW-DM20A, CAR-1055A	GW-EQ10A, GW-DM50, GW-EX0005, GW-EQ10A10, GW-EQ20, GW-SW0025,
417	GW-EQ0010	Extraction System - Demo, System Pump & Features	6	6	0%	27-Jan-22*	03-Feb-22	☐	MOB-0035, GW-DM0010, GW-DM0020	M18, GW-HT0005, GW-SW0025
418	GW-SW0025	Sitework - NHE-6	5	5	0%	04-Feb-22	10-Feb-22	☐	MOB-0035, GW-DM0010, GW-DM0020, GW-EQ0010	GW-HT0005, GW-EX0005, GW-SW25A
419	GW-HT0005	Hydrostatic Testing	2	2	0%	11-Feb-22	14-Feb-22	☐	GW-SW0025, GW-EQ0010	CN-0020
420	GW-SW25A	Install Well Control Panel	3	3	0%	04-Apr-22	06-Apr-22	☐	A1530A, GW-SW0025	GW-EQ10A, GW-EQ15A
421	GW-EQ15A	Pull and Land Cables	5	5	0%	07-Apr-22	13-Apr-22	☐	GW-SW25A	GW-EQ10A
422	GW-EQ10A	Apply for LADWP Power Connection/Startup	10	10	0%	14-Apr-22	28-Apr-22	☐	GW-SW25A, GW-DM0010, GW-EQ15A	WTAG-175A, GW-EQ20A
423	GW-EQ20A	Install Features and Energize System	0	0	0%	29-Apr-22	29-Apr-22	☐	GW-EQ10A	CN-0020, GW-EQ20A5
424	GW-EQ20A5	Perform System Checks	5	5	0%	29-Apr-22	05-May-22	☐	GW-EQ20A	
425	**NHE - 5/5R**		75	75		20-Jan-22	05-May-22			
426	GW-EQ20	Extraction System - Pedestal Install	5	5	0%	20-Jan-22*	26-Jan-22	☐	GW-DM0010, CAR-1055A	GW-SW25, GW-EQ10, GW-EQ40
427	GW-EQ10	Extraction System - System Pump & Features	6	6	0%	27-Jan-22	03-Feb-22	☐	GW-EQ20	GW-EQ15A10, GW-HT5, GW-SW25
428	GW-SW25	Sitework - NHE-5/5R	10	10	0%	04-Feb-22	17-Feb-22	☐	GW-EQ20, GW-EQ10	GW-HT5, GW-SW25A10
429	GW-HT5	Hydrostatic Testing	2	2	0%	18-Feb-22	21-Feb-22	☐	GW-SW25, GW-EQ10	
430	GW-SW25A10	Install Well Control Panel	3	3	0%	04-Apr-22	06-Apr-22	☐	A1530A, GW-SW25	GW-EQ15A10
431	GW-EQ15A10	Pull and Land Cables	5	5	0%	07-Apr-22	13-Apr-22	☐	GW-EQ10, GW-SW25A10	GW-EQ10A10
432	GW-EQ10A10	Apply for LADWP Power Connection/Startup	10	10	0%	14-Apr-22	28-Apr-22	☐	GW-DM0010, GW-EQ15A10	GW-EQ20A10
433	GW-EQ20A10	Install Features and Energize System	0	0	0%	29-Apr-22	29-Apr-22	☐	GW-EQ10A10	GW-EQ20A15
434	GW-EQ20A15	Perform System Checks	5	5	0%	29-Apr-22	05-May-22	☐	GW-EQ20A10	
435	**NHE - 4/4R**		70	70		27-Jan-22	05-May-22			
436	GW-EQ40	Extraction System - Pedestal Install	5	5	0%	27-Jan-22	02-Feb-22	☐	GW-EQ20	GW-SW35, GW-EQ30, GW-EQ60
437	GW-EQ30	Extraction System - System Pump & Features	6	6	0%	03-Feb-22	10-Feb-22	☐	GW-EQ40	GW-EQ15A20, GW-HT15, GW-SW35
438	GW-SW35	Sitework - NHE-4/4R	10	10	0%	11-Feb-22	24-Feb-22	☐	GW-EQ40, GW-EQ30	GW-HT15, GW-SW25A20, GW-SW45



Remaining LOE | Remaining Work | ◆ Milestone
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Project ID: 6519200010
TASK filter: All Activities

wood.

HON North Hollywood Operable Unit

Data Date: 01-Jan-22
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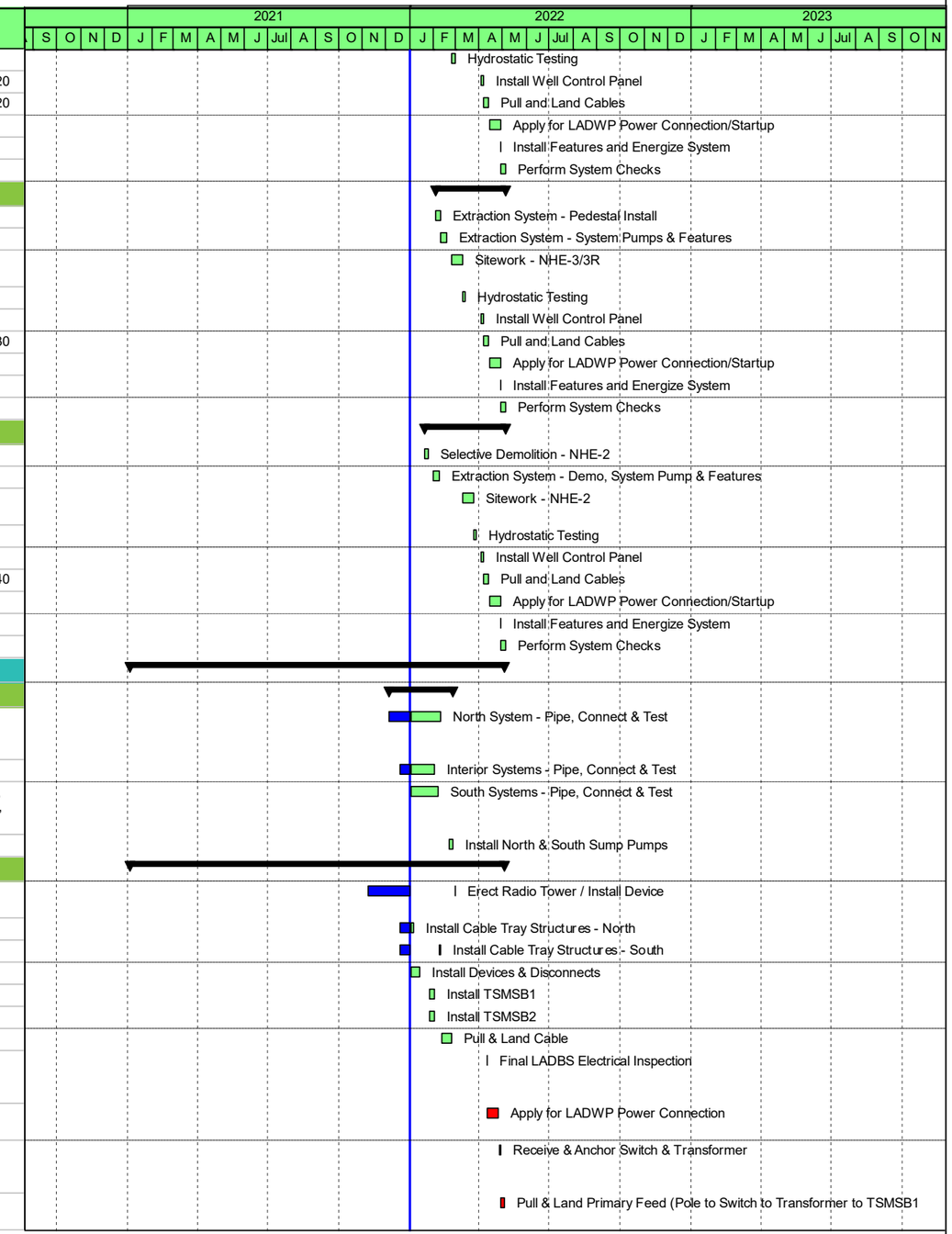
#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
439	GW-HT15	Hydrostatic Testing	2	2	0%	25-Feb-22	28-Feb-22	☐	GW-SW35, GW-EQ30	
440	GW-SW25A20	Install Well Control Panel	3	3	0%	04-Apr-22	06-Apr-22	☐	GW-SW35, A1530A	GW-EQ10A20, GW-EQ15A20
441	GW-EQ15A20	Pull and Land Cables	5	5	0%	07-Apr-22	13-Apr-22	☐	GW-EQ30, GW-SW25A20	GW-EQ20A20, GW-EQ10A20
442	GW-EQ10A20	Apply for LADWP Power Connection/Startup	10	10	0%	14-Apr-22	28-Apr-22	☐	GW-SW25A20, GW-EQ15A20	
443	GW-EQ20A20	Install Features and Energize System	0	0	0%	29-Apr-22	29-Apr-22	☐	GW-EQ15A20	GW-EQ20A25
444	GW-EQ20A25	Perform System Checks	5	5	0%	29-Apr-22	05-May-22	☐	GW-EQ20A20	
445	**NHE - 3/3R**		65	65		03-Feb-22	05-May-22			
446	GW-EQ60	Extraction System - Pedestal Install	5	5	0%	03-Feb-22	09-Feb-22	☐	GW-EQ40	GW-EQ50
447	GW-EQ50	Extraction System - System Pumps & Features	6	6	0%	10-Feb-22	17-Feb-22	☐	GW-EQ60	GW-HT25, GW-SW45
448	GW-SW45	Sitework - NHE-3/3R	10	10	0%	25-Feb-22	10-Mar-22	☐	GW-EQ50, GW-SW35	GW-HT25, GW-SW25A30, GW-SW55
449	GW-HT25	Hydrostatic Testing	2	2	0%	11-Mar-22	14-Mar-22	☐	GW-SW45, GW-EQ50	
450	GW-SW25A30	Install Well Control Panel	3	3	0%	04-Apr-22	06-Apr-22	☐	GW-SW45, A1530A	GW-EQ15A30
451	GW-EQ15A30	Pull and Land Cables	5	5	0%	07-Apr-22	13-Apr-22	☐	GW-SW25A30	GW-EQ20A30, GW-EQ10A30
452	GW-EQ10A30	Apply for LADWP Power Connection/Startup	10	10	0%	14-Apr-22	28-Apr-22	☐	GW-EQ15A30	
453	GW-EQ20A30	Install Features and Energize System	0	0	0%	29-Apr-22	29-Apr-22	☐	GW-EQ15A30	GW-EQ20A35
454	GW-EQ20A35	Perform System Checks	5	5	0%	29-Apr-22	05-May-22	☐	GW-EQ20A30	
455	**NHE - 2**		75	75		20-Jan-22	05-May-22			
456	GW-DM50	Selective Demolition - NHE-2	3	3	0%	20-Jan-22*	24-Jan-22	☐	GW-DM0010	GW-SW55, GW-EQ70
457	GW-EQ70	Extraction System - Demo, System Pump & Feature:	6	6	0%	01-Feb-22	08-Feb-22	☐	GW-DM50	GW-HT35, GW-SW55
458	GW-SW55	Sitework - NHE-2	10	10	0%	11-Mar-22	24-Mar-22	☐	GW-DM50, GW-EQ70, GW-SW45	GW-HT35, GW-SW25A40
459	GW-HT35	Hydrostatic Testing	2	2	0%	25-Mar-22	28-Mar-22	☐	GW-SW55, GW-EQ70	
460	GW-SW25A40	Install Well Control Panel	3	3	0%	04-Apr-22	06-Apr-22	☐	GW-SW55, A1530A	GW-EQ15A40
461	GW-EQ15A40	Pull and Land Cables	5	5	0%	07-Apr-22	13-Apr-22	☐	GW-SW25A40	GW-EQ20A40, GW-EQ10A40
462	GW-EQ10A40	Apply for LADWP Power Connection/Startup	10	10	0%	14-Apr-22	28-Apr-22	☐	GW-EQ15A40	
463	GW-EQ20A40	Install Features and Energize System	0	0	0%	29-Apr-22	29-Apr-22	☐	GW-EQ15A40	GW-EQ20A45
464	GW-EQ20A45	Perform System Checks	5	5	0%	29-Apr-22	05-May-22	☐	GW-EQ20A40	
465	**Water Treatment AG MEP**		341	87		04-Jan-21 A	04-May-22			
466	**Plumbing & Mechanical Work**		40	40		06-Dec-21 A	25-Feb-22			
467	WTAG-0005	North System - Pipe, Connect & Test	28	28	30%	06-Dec-21 A	09-Feb-22	☐	WTEQ-130A, WTFD-N0040, RP-0060A, WTEQ-135A, WTFD-N0045, WTEQ-150A	SITE-0010, WTAG-0030, WTAG-95, WTFD-N135A
468	WTAG-25	Interior Systems - Pipe, Connect & Test	22	22	0%	20-Dec-21 A	01-Feb-22	☐	WTEQ-180A, WTFD-N115A	WTAG-30
469	WTAG-30	South Systems - Pipe, Connect & Test	26	26	0%	03-Jan-22*	07-Feb-22	☐	WTAG-25, WTFD-S70, WTEQ-120, WTEQ-140	WTAG-200A, WTAG-0060A, WTFD-S0010, WTAG-130A, WTAG-100, CN-0020,
470	WTAG-0010	Install North & South Sump Pumps	5	5	0%	21-Feb-22	25-Feb-22	☐	A2080	WTAG-175A
471	**Electrical Work**		341	87		04-Jan-21 A	04-May-22			
472	WTAG-220A	Erect Radio Tower / Install Device	0	0	0%	08-Nov-21 A	01-Mar-22	☐	WTFD-N125, WTFD-N0065, WTFD-N0055, WTEQ-0005	
473	WTAG-125A	Install Cable Tray Structures - North	15	3	0%	20-Dec-21 A	05-Jan-22	☐	A3040	WTAG-0020
474	WTAG-130A	Install Cable Tray Structures - South	15	3	0%	20-Dec-21 A	10-Feb-22	☐	WTAG-30, A3040	WTAG-0040, WTAG-0020
475	WTAG-0060A	Install Devices & Disconnects	10	10	0%	03-Jan-22*	14-Jan-22	☐	WTAG-30	WTAG-0040, WTAG-225A
476	WTAG-120A	Install TSMSB1	5	5	0%	27-Jan-22	02-Feb-22	☐	WTUG-S0085, A2020	WTAG-170A, WTAG-225A
477	WTAG-0031	Install TSMSB2	5	5	0%	27-Jan-22	02-Feb-22	☐	A2020	WTAG-0035, WTAG-225A
478	WTAG-0040	Pull & Land Cable	10	10	0%	11-Feb-22	24-Feb-22	☐	WTAG-0060A, WTAG-130A	WTAG-225A
479	WTAG-225A	Final LADBS Electrical Inspection	1	1	0%	11-Apr-22	11-Apr-22	☑	WTAG-0070, WTAG-0060A, WTAG-0040, WH-490A, WH-485A, WH-475A,	CN-0020, WTAG-0080
480	WTAG-0080	Apply for LADWP Power Connection	10	10	0%	12-Apr-22	26-Apr-22	☑	WTAG-225A	CN-0020, WTAG-0035, WTAG-0030
481	WTAG-0030	Receive & Anchor Switch & Transformer	2	2	0%	27-Apr-22	28-Apr-22	☑	A2020, WTAG-0065, WTAG-0005, WTUG-S0085, A4110, WTAG-0080	WTAG-0035
482	WTAG-0035	Pull & Land Primary Feed (Pole to Switch to Transformer to TSMSB1	4	4	0%	29-Apr-22	04-May-22	☑	WTAG-0030, WTAG-0031, WTAG-0080	WTAG-0085



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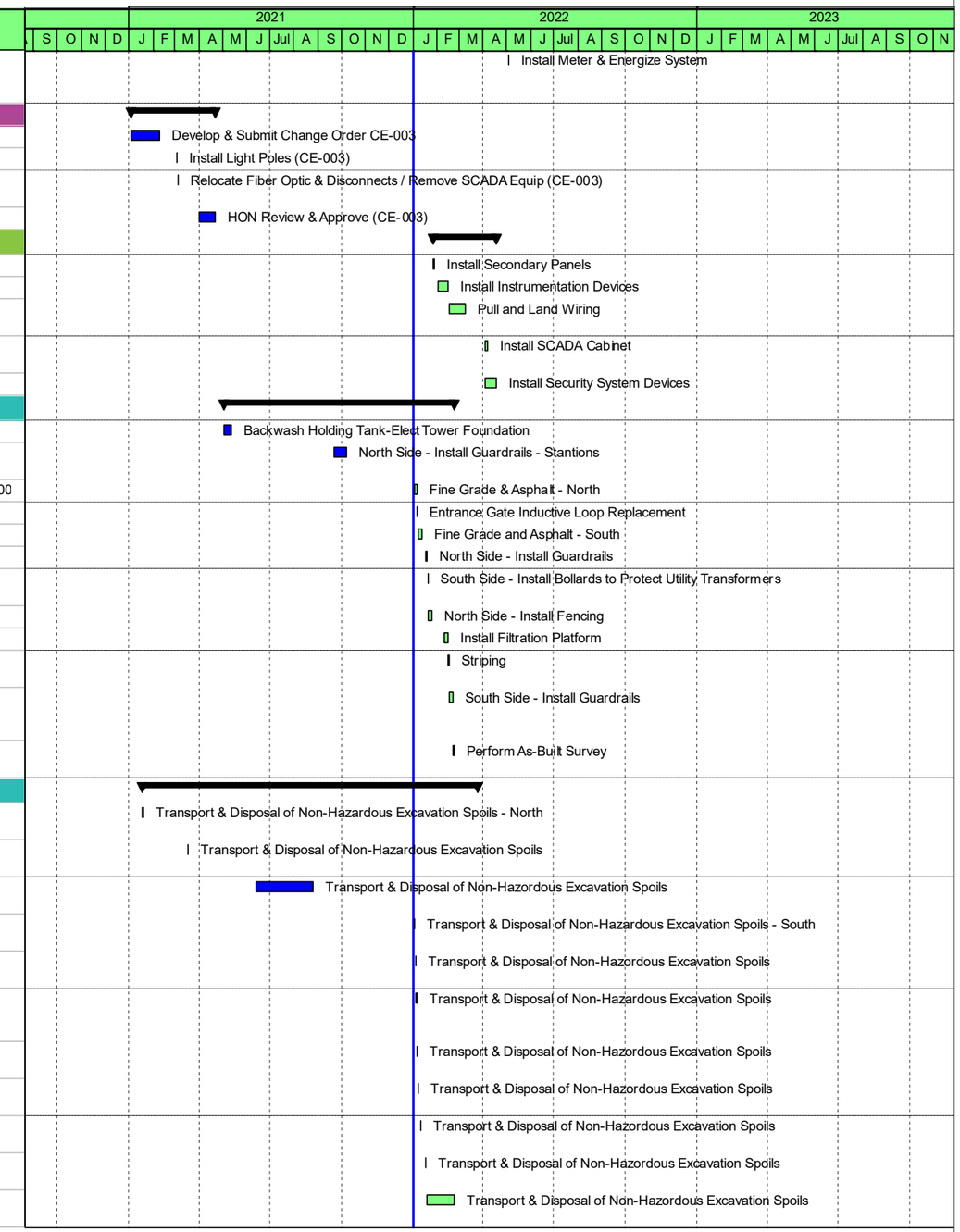
483	WTAG-0085	Install Meter & Energize System	1	1	0%	04-May-22	04-May-22	☑	WTAG-0035	WH-0265, WTAG-205A, WTAG-190A, WTAG-185A, WTAG-180A, WTAG-175A,
484	**CE-003**		78	0		04-Jan-21 A	22-Apr-21 A			
485	WTUG-S0115	Develop & Submit Change Order CE-003	27	0	100%	04-Jan-21 A	09-Feb-21 A	☐	DEMO-0005	WTUG-S0100
486	WTUG-S0105	Install Light Poles (CE-003)	1	0	100%	03-Mar-21 A	03-Mar-21 A	☐	WTUG-S0100	WTUG-S0110
487	WTUG-S0110	Relocate Fiber Optic & Disconnects / Remove SCADA Equip (CE-003)	5	0	100%	06-Mar-21 A	06-Mar-21 A	☐	WTUG-S0105	
488	WTUG-S0100	HON Review & Approve (CE-003)	15	0	100%	01-Apr-21 A	22-Apr-21 A	☐	MOB-0005, WTUG-S0115	WTUG-S0105
489	**Instrumentation Work**		58	58		26-Jan-22	18-Apr-22			
490	WTAG-0050	Install Secondary Panels	3	3	0%	26-Jan-22	28-Jan-22	☐	A1470, A1440	
491	WTAG-135A	Install Instrumentation Devices	10	10	0%	02-Feb-22	15-Feb-22	☐	A1535A	WTAG-185A, WTAG-0020
492	WTAG-0020	Pull and Land Wiring	15	15	0%	16-Feb-22	08-Mar-22	☐	WTAG-135A, WTAG-130A, WTAG-125A, WH-470A	WTAG-165A, WTAG-150A, WTAG-145A, CN-0020
493	WTAG-0055	Install SCADA Cabinet	3	3	0%	04-Apr-22	06-Apr-22	☐	WTAG-0070, WTEQ-0105, A1450	WTAG-155A, CN-0020, AIS-9000, WTAG-0090
494	WTAG-0090	Install Security System Devices	10	10	0%	04-Apr-22	18-Apr-22	☐	WTAG-0055	WTAG-140A, CN-0020
495	**Site Features & Topping**		208	38		03-May-21 A	23-Feb-22			
496	WTFD-N0065	Backwash Holding Tank-Elect Tower Foundation	9	0	100%	03-May-21 A	13-May-21 A	☐		WTAG-220A, M7, CN-0020
497	WTFD-N0010	North Side - Install Guardrails - Stantions	3	0	100%	22-Sep-21 A	07-Oct-21 A	☐	WTFD-N0020	WTFD-N135A, SITE-0010, WTFD-N0015
498	SITE-0010	Fine Grade & Asphalt - North	4	4	0%	03-Jan-22	06-Jan-22	☐	WTFD-N0010, WTAG-0005	SITE-25A, SITE-20A, SITE-00
499	SITE-0015	Entrance Gate Inductive Loop Replacement	1	1	0%	06-Jan-22	06-Jan-22	☐	SITE-0010	SITE-0020, WTFD-S0010
500	SITE-25A	Fine Grade and Asphalt - South	4	4	0%	07-Jan-22	12-Jan-22	☐	SITE-0010	SITE-20A
501	WTFD-N140	North Side - Install Guardrails	3	3	0%	17-Jan-22*	19-Jan-22	☐		WTFD-N0015
502	WTFD-S0005	South Side - Install Bollards to Protect Utility Transformers	1	1	0%	20-Jan-22	20-Jan-22	☐	WTUG-S0085	WTAG-0065
503	WTFD-N0015	North Side - Install Fencing	3	3	0%	20-Jan-22*	24-Jan-22	☐	WTFD-N0010, WTFD-N140	SITE-0020, WTFD-S0010
504	WTFD-N135A	Install Filtration Platform	3	3	0%	09-Feb-22	14-Feb-22	☐	WTFD-N0010, WTAG-0005	SITE-0020, SITE-20A
505	SITE-20A	Striping	2	2	0%	14-Feb-22	16-Feb-22	☐	SITE-25A, SITE-0010, WTFD-N135A	WTFD-S0010
506	WTFD-S0010	South Side - Install Guardrails	3	3	0%	16-Feb-22*	21-Feb-22	☐	WTAG-30, SITE-20A, WTFD-S0020, WTFD-N0015, SITE-0015	SITE-0020, CN-0020
507	SITE-0020	Perform As-Built Survey	2	2	0%	21-Feb-22	23-Feb-22	☐	WTFD-S0010, SITE-0015, WTFD-N135A, WTFD-N0015	CN-0020
508	**Transport & Disposal of Non-Hazardous Spoils**		303	59		18-Jan-21 A	24-Mar-22			
509	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
510	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
511	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
512	DEMO-0070S	Transport & Disposal of Non-Hazardous Excavation Spoils - South	1	1	0%	03-Jan-22	03-Jan-22	☐	DEMO-0050S	WTUG-N0060
513	WTUG-N0060	Transport & Disposal of Non-Hazordous Excavation Spoils	1	1	0%	04-Jan-22	04-Jan-22	☐	DEMO-0070S, WTFD-N0020, WTUG-N0040, WTUG-N0055	WTUG-N0065
514	WTUG-N0065	Transport & Disposal of Non-Hazardous Excavation Spoils	1	1	0%	05-Jan-22	05-Jan-22	☐	M13, WTUG-N0020, WTUG-N0015, WTUG-N0060, WTUG-N0020	WTUG-S0060
515	WTUG-S0060	Transport & Disposal of Non-Hazordous Excavation Spoils	1	1	0%	06-Jan-22	06-Jan-22	☐	WTUG-S0010, WTUG-N0065	WTUG-S0065
516	WTUG-S0065	Transport & Disposal of Non-Hazordous Excavation Spoils	1	1	0%	07-Jan-22	07-Jan-22	☐	WTUG-S0060	WTUG-S0070
517	WTUG-S0070	Transport & Disposal of Non-Hazordous Excavation Spoils	1	1	0%	10-Jan-22	10-Jan-22	☐	WTUG-S0065	WTUG-S0080
518	WTUG-S0080	Transport & Disposal of Non-Hazordous Excavation Spoils	1	1	0%	17-Jan-22	17-Jan-22	☐	WTUG-S0025, WTUG-S0070	WTFD-S0055
519	WTFD-S0055	Transport & Disposal of Non-Hazordous Excavation Spoils	26	26	0%	18-Jan-22	22-Feb-22	☐	WTFD-S0050, WTFD-N0090, WTFD-S0020, WTUG-S0080	WTS-0060



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

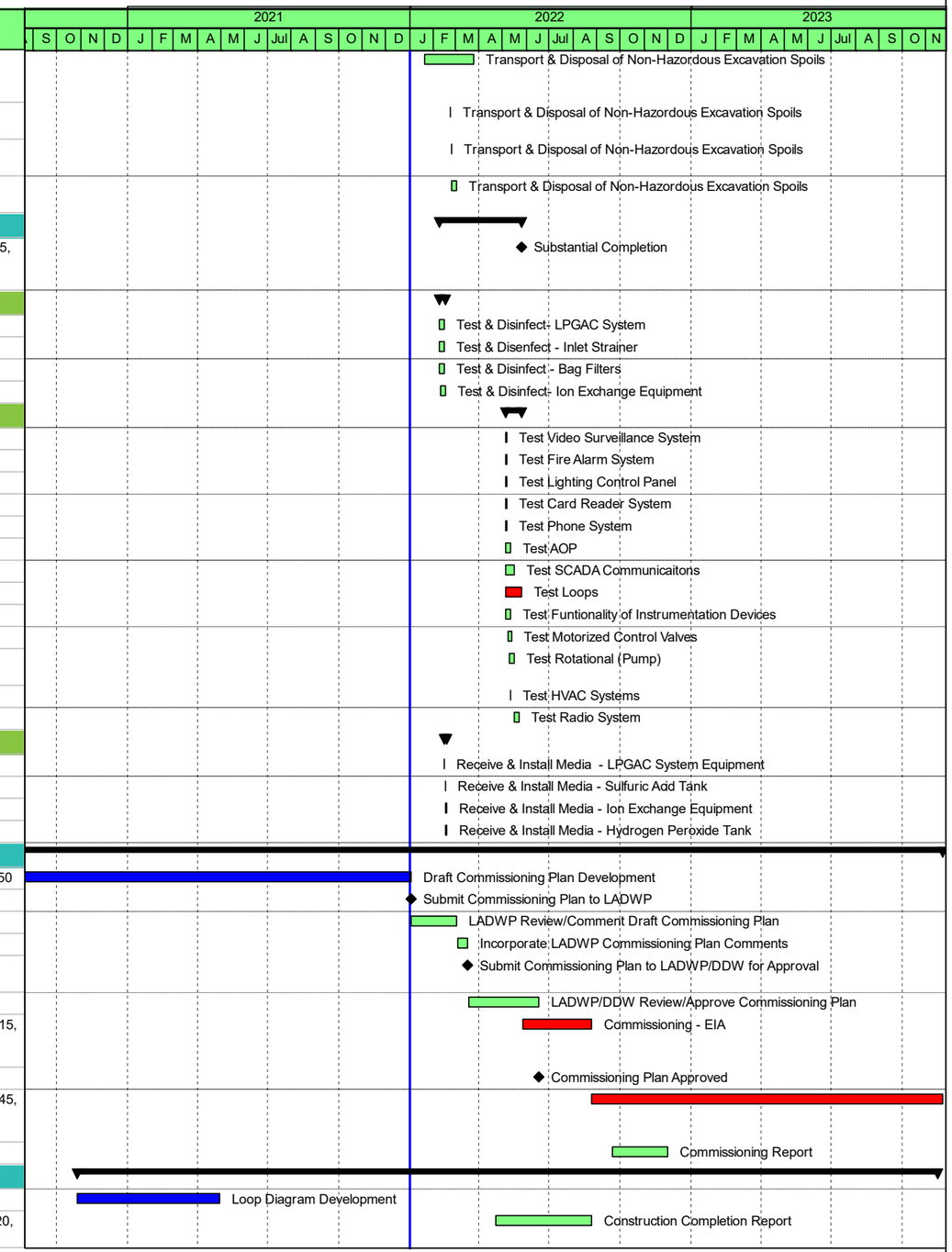
Project ID: 6519200010
TASK filter: All Activities

wood.

HON North Hollywood Operable Unit

Data Date: 01-Jan-22
Print: 29-Dec-21

#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
520	GW-EX0005	Transport & Disposal of Non-Hazardous Excavation Spoils	45	45	0%	21-Jan-22	24-Mar-22	☐	GW-SW0025, WTS-0065, GW-DM0010, GW-DM0020, MOB-0005	CN-0020
521	WTS-0060	Transport & Disposal of Non-Hazardous Excavation Spoils	1	1	0%	23-Feb-22	23-Feb-22	☐	WTS-0050, WTFD-S0055	WTS-0065
522	WTS-0065	Transport & Disposal of Non-Hazardous Excavation Spoils	1	1	0%	24-Feb-22	24-Feb-22	☐	WTS-0055, WTS-0030, WTS-0060	WTS-0070, GW-EX0005
523	WTS-0070	Transport & Disposal of Non-Hazardous Excavation Spoils	4	4	0%	25-Feb-22	02-Mar-22	☐	WTS-0065, WTS-0045	CN-0020
524	**Pre-Commissioning**		76	76		08-Feb-22	25-May-22			
525	CN-0020	Substantial Completion	0	0	0%		25-May-22	☑	M20, WTFD-N125, M21, M3, M19, GW-EQ20A, WTFD-S80, WTFD-N115, WTFD-N110,	EIA1010, EIA1005, EPA-1015, CO-0005, M8
526	**Pre-Clean & Disinfect**		7	7		08-Feb-22	16-Feb-22			
527	WTAG-100	Test & Disinfect- LPGAC System	5	5	0%	08-Feb-22	14-Feb-22	☐	WTAG-30	CN-0020, WTAG-115
528	WTAG-90	Test & Disenfect - Inlet Strainer	5	5	0%	08-Feb-22	14-Feb-22	☐	WTAG-30, RP-0060A	CN-0020
529	WTAG-200A	Test & Disinfect - Bag Filters	5	5	0%	08-Feb-22	14-Feb-22	☐	WTAG-30	CN-0020
530	WTAG-95	Test & Disinfect- Ion Exchange Equipment	5	5	0%	09-Feb-22	16-Feb-22	☐	WTAG-30, WTAG-0005	CN-0020, WTAG-110
531	**Test**		15	15		05-May-22	25-May-22			
532	WTAG-140A	Test Video Surveillance System	2	2	0%	05-May-22	06-May-22	☐	WTAG-0090, WTAG-0085	CN-0020
533	WTAG-145A	Test Fire Alarm System	2	2	0%	05-May-22	06-May-22	☐	WTAG-0085, WTAG-0020	CN-0020
534	WTAG-150A	Test Lighting Control Panel	2	2	0%	05-May-22	06-May-22	☐	WTAG-0085, WTAG-0020	CN-0020
535	WTAG-190A	Test Card Reader System	2	2	0%	05-May-22	06-May-22	☐	WTAG-0085	CN-0020
536	WTAG-195A	Test Phone System	2	2	0%	05-May-22	06-May-22	☐	WTAG-165A	CN-0020
537	WTAG-205A	Test AOP	5	5	0%	05-May-22	11-May-22	☐	WTAG-0085	CN-0020
538	WTAG-155A	Test SCADA Communicaitons	8	8	0%	05-May-22	16-May-22	☐	WTAG-0085, WTAG-0055	WTAG-180A, CN-0020
539	WTAG-165A	Test Loops	15	15	0%	05-May-22	25-May-22	☑	WTAG-0085, WTAG-0020	CN-0020, WTAG-195A
540	WTAG-185A	Test Funtionality of Instrumentation Devices	5	5	0%	06-May-22	12-May-22	☐	WTAG-135A, WTAG-0085	CN-0020
541	WTAG-170A	Test Motorized Control Valves	5	5	0%	09-May-22	13-May-22	☐	WTAG-120A, WTAG-0085	CN-0020
542	WTAG-175A	Test Rotational (Pump)	5	5	0%	10-May-22	16-May-22	☐	WTAG-0010, WTAG-0085, GW-EQ10A	CN-0020
543	WTAG-160A	Test HVAC Systems	1	1	0%	11-May-22	11-May-22	☐	WTAG-0085, WH-0365	CN-0020
544	WTAG-180A	Test Radio System	5	5	0%	17-May-22	23-May-22	☐	WTAG-155A, WTAG-0085	CN-0020
545	**Install Media**		3	3		15-Feb-22	17-Feb-22			
546	WTAG-115	Receive & Install Media - LPGAC System Equipmen	1	1	0%	15-Feb-22	15-Feb-22	☐	WTEQ-120, WTAG-100	WTAG-210A, CN-0020
547	WTAG-210A	Receive & Install Media - Sulfuric Acid Tank	1	1	0%	16-Feb-22	16-Feb-22	☐	WTAG-115	WTAG-215A, CN-0020
548	WTAG-110	Receive & Install Media - Ion Exchange Equipment	1	1	0%	16-Feb-22	17-Feb-22	☐	WTEQ-0065, WTAG-95	CN-0020
549	WTAG-215A	Receive & Install Media - Hydrogen Peroxide Tank	1	1	0%	17-Feb-22	17-Feb-22	☐	WTAG-210A	CN-0020
550	**Post Construction Commissioning**		863	483		01-Jul-20 A	22-Nov-23			
551	EIA-9025	Draft Commissioning Plan Development	294	0	99%	01-Jul-20 A	03-Jan-22	☐	EPA-1010	EIA-9030, CO-0025, EIA-9050
552	EIA-9050	Submit Commissioning Plan to LADWP	0	0	0%		03-Jan-22	☐	EIA-9025	EIA-9055
553	EIA-9055	LADWP Review/Comment Draft Commissioning Plai	44	44	0%	03-Jan-22	03-Mar-22	☐	EIA-9050	EIA-9060
554	EIA-9060	Incorporate LADWP Commissioning Plan Comments	10	10	0%	04-Mar-22	17-Mar-22	☐	EIA-9055	EIA-9065
555	EIA-9065	Submit Commissioning Plan to LADWP/DDW for Approval	0	0	0%		17-Mar-22	☐	EIA-9060	EIA-9070
556	EIA-9070	LADWP/DDW Review/Approve Commissioning Plan	64	64	0%	18-Mar-22	17-Jun-22	☐	EIA-9065	EIA-9075
557	EIA-9000	Commissioning - EIA	62	62	0%	27-May-22	24-Aug-22	☑	WTS-0045, EPA-1015, EIA1015	EIA-9010, EIA-9015, EIA-9015, EIA-9030, CO-0025, M9, AIS-9000
558	EIA-9075	Commissioning Plan Approved	0	0	0%		17-Jun-22	☐	EIA-9070	AIS-9000
559	EIA-9010	Post Commissioning O&M	318	318	0%	25-Aug-22	22-Nov-23	☑	EIA-9035, CO-0020, EIA-9000, EIA-9015, EIA-9030, AIS-9000, M9	EIA-9020, EIA-9020, EIA-9045, EIA-9045
560	EIA-9030	Commissioning Report	49	49	0%	21-Sep-22	30-Nov-22	☐	EIA-9000, EIA-9025	EIA-9010, CO-0015, M10
561	**Post Construction Regulatory Submittals & Approvals (N**		777	401		27-Oct-20 A	16-Nov-23			
562	CO-0024	Loop Diagram Development	128	0	100%	27-Oct-20 A	30-Apr-21 A	☐	M1	CO-0025
563	CO-0025	Construction Completion Report	87	87	0%	22-Apr-22	24-Aug-22	☐	EIA-9035, EIA-9025, EIA-9000, CO-0024	CO-0010, CO-0020, CO-0020, CO-0015, M12



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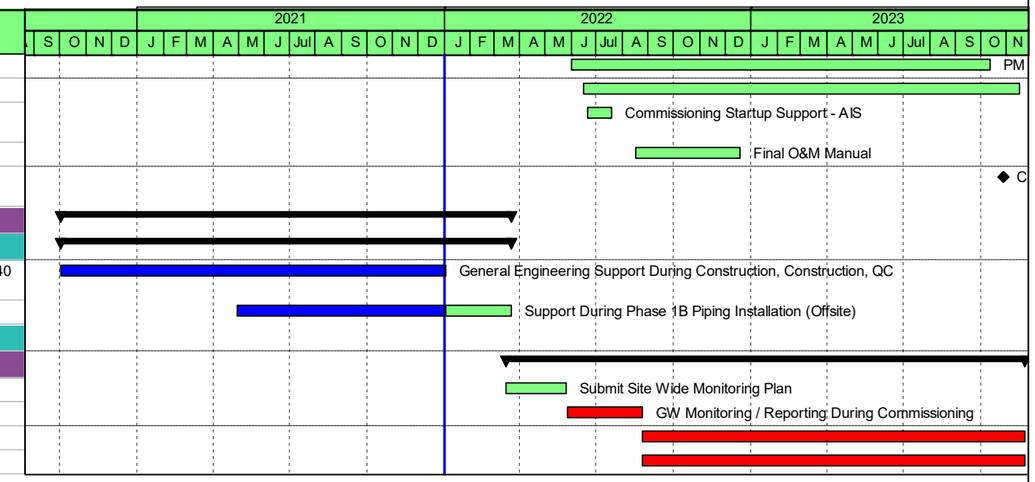
#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	Critical	Predecessors	Successors
564	CO-0010	PM Implementation (Post Construction)	349	349	0%	01-Jun-22	12-Oct-23	☐	EIA1010, CO-0025	M11
565	CO-0006	General Regulatory (Post Construction)	363	363	0%	16-Jun-22	16-Nov-23	☐	EIA1005	EIA-9045, M16
566	AIS-9000	Commissioning Startup Support - AIS	21	21	0%	20-Jun-22	19-Jul-22	☐	WTAG-0055, EPA-1015, EIA-9000, EIA-9075	EIA-9010
567	CO-0020	Final O&M Manual	87	87	0%	16-Aug-22	19-Dec-22	☐	CO-0025, CO-0025	EIA-9010
568	CO-0015	Certificate of Substantial Completion from EPA	0	0	0%		27-Oct-23	☐	CO-0005, EIA-9030, CO-0025, M10	M16
569	**Engineering Support**		285	56		02-Oct-20 A	21-Mar-22			
570	**Engineering Support During Construction**		285	56		02-Oct-20 A	21-Mar-22			
571	EIA-9035	General Engineering Support During Construction, Construction, QC	229	0	96%	02-Oct-20 A	03-Jan-22	☐	PMOB-0005	CO-0025, EIA-9010, EIA-9040
572	EIA-9040	Support During Phase 1B Piping Installation (Offsite)	141	56	66%	30-Apr-21 A	21-Mar-22	☐	EIA-9035	EIA-9015
573	**Engineering Support During Post-Construction**		0	0						
574	**Groundwater Monitoring**		432	432		15-Mar-22	22-Nov-23			
575	CO-0005	Submit Site Wide Monitoring Plan	51	51	0%	15-Mar-22	25-May-22	☐	CN-0020	CO-0015
576	EIA-9015	GW Monitoring / Reporting During Commissioning	62	62	0%	27-May-22	24-Aug-22	☑	EIA-9000, EIA-9000, EIA-9040	EIA-9010, M9
577	EIA-9045	O&M NPDES Support	318	318	0%	25-Aug-22	22-Nov-23	☑	CO-0006, EIA-9010, EIA-9010	M11
578	EIA-9020	GW Monitoring / Reporting During O&M	318	318	0%	25-Aug-22	22-Nov-23	☑	EIA-9010, EIA-9010	M11



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