

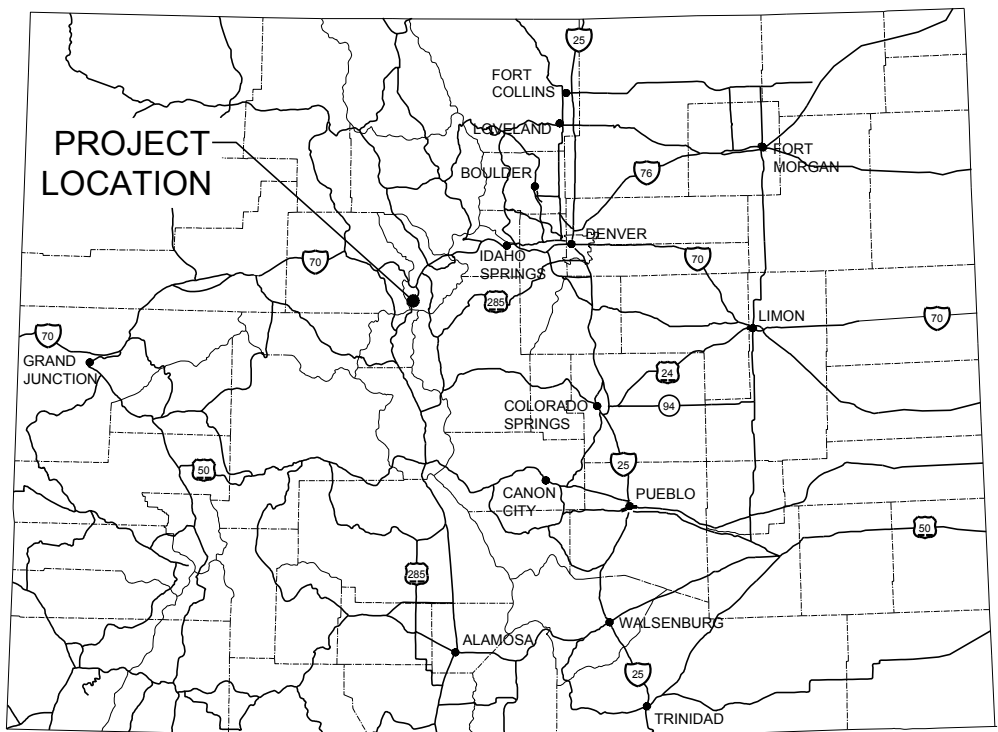
CLIMAX MINE

MOLYBDENUM REMOVAL WATER TREATMENT PLANT

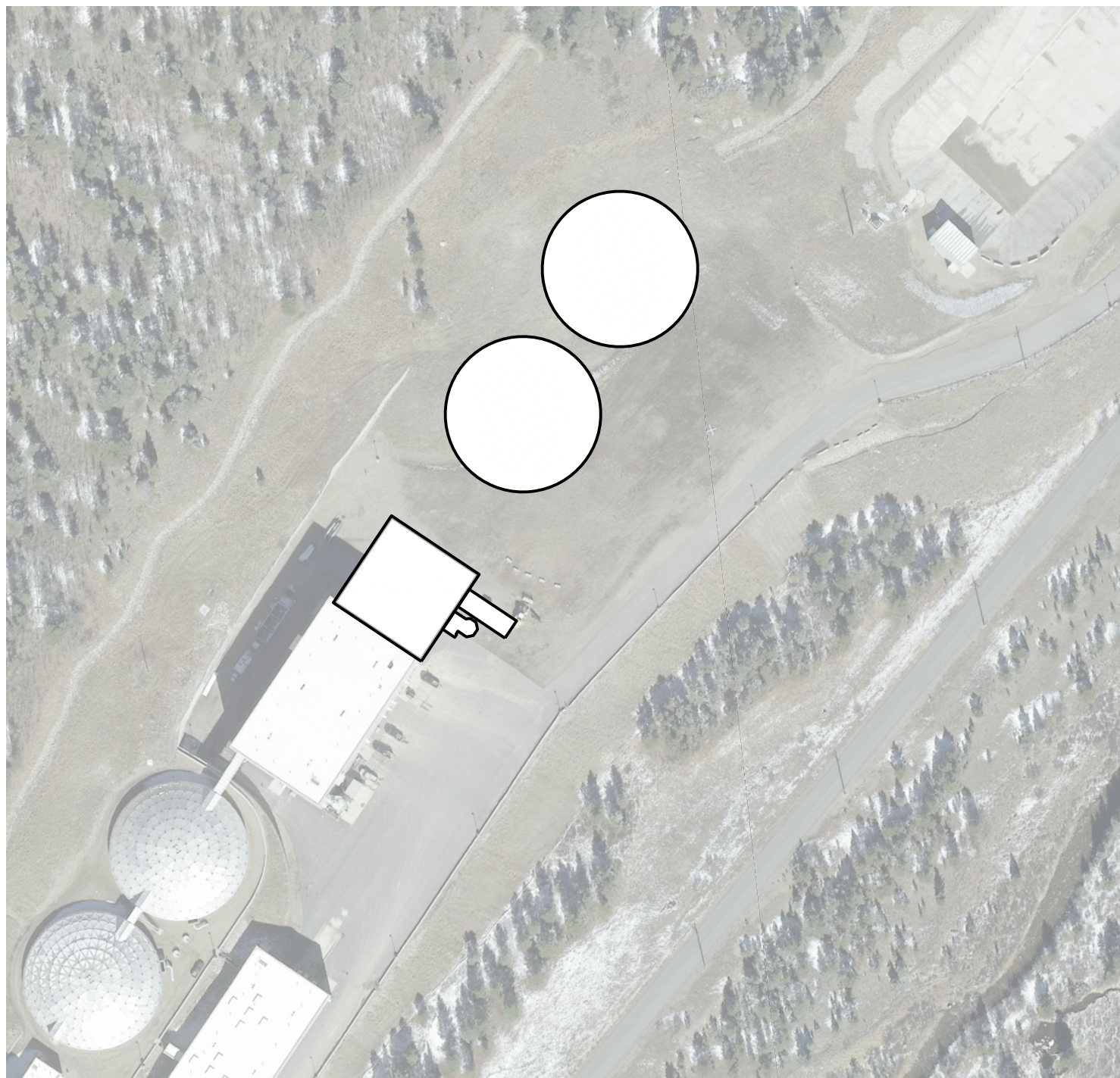
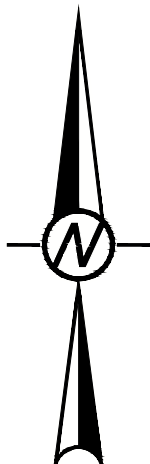


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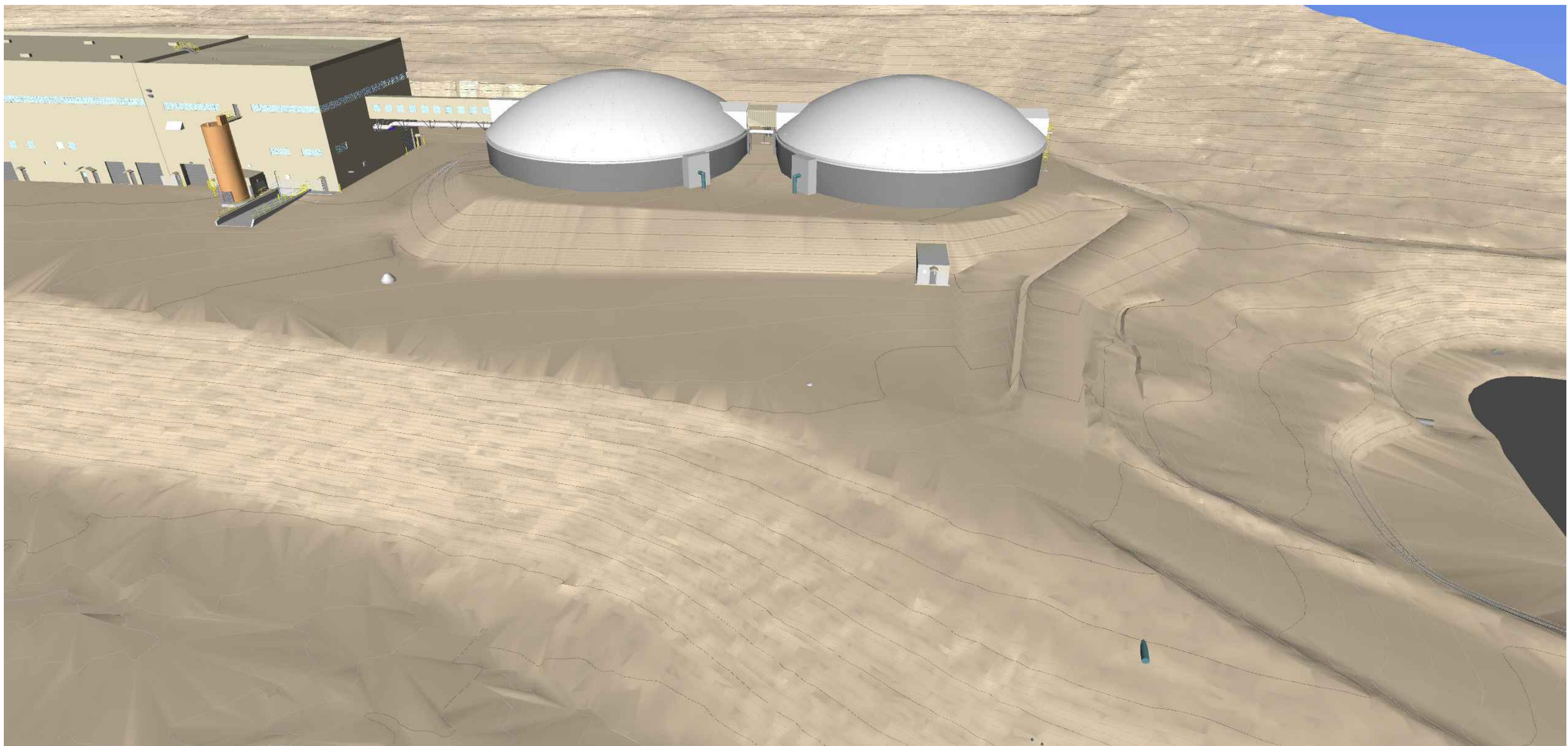
FREMONT PASS



COLORADO
N.T.S.



PROJECT LOCATION
N.T.S.



3D VIEW
N.T.S.

REV.	YYYY-MM-DD	DESCRIPTION	PREPARED	DESIGNED	REVIEWED	APPROVED
0	2022-04-12	ISSUED FOR CONSTRUCTION	DBS	DBS	CAB	EPB

SEAL



CLIENT



CLIMAX, COLORADO
FREMONT PASS

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PROJECT

CLIMAX MINE
MOLYBDENUM REMOVAL WATER TREATMENT PLANT

TITLE

COVER SHEET

PROJECT NO.
1912808404

REV.

0

of

860-1A-G-101

DRAWING

0

Drawing Number	Drawing Title	Current Revision	Current Rev Issued Date
GENERAL			
860-1A-G-101	COVER SHEET	0	4/12/2022
860-1A-G-102	DRAWING INDEX SHEET 1	0	4/12/2022
860-1A-G-103	DRAWING INDEX SHEET 2	0	4/12/2022
860-1A-G-104	DRAWING INDEX SHEET 3	0	4/12/2022
860-1A-G-105	DRAWING INDEX SHEET 4	0	4/12/2022
860-1A-G-106	DRAWING INDEX SHEET 5	0	4/12/2022
860-1A-G-110	OVERALL SITE PLAN	0	4/12/2022
860-1A-G-111	SNOW REMOVAL PLAN	0	4/12/2022
860-1A-G-112	3D VIEW - LOOKING NORTHWEST BIRDS EYE VIEW	0	4/12/2022
860-1A-G-113	3D VIEW - LOOKING NORTHWEST LEVEL VIEW	0	4/12/2022
860-1A-G-114	3D VIEW - LOOKING SOUTH BIRDS EYE VIEW	0	4/12/2022
860-1A-G-115	3D VIEW - LOOKING SOUTHEAST BIRDS EYE VIEW	0	4/12/2022
860-1A-G-116	3D VIEW - LOOKING NORTHWEST BIRDS EYE VIEW INTERNAL	0	4/12/2022
860-1A-G-118	MOLYBDENUM HYDRAULIC PROFILE PRIMARY PLANT FLOW	0	4/12/2022
860-1A-G-119	TIE-IN POINT PLAN SHEET 1	0	4/12/2022
860-1A-G-121	TIE-POINTS PLANT VIEW PDWTP METALS REMOVAL BUILDING (841)	0	4/12/2022
860-1A-G-122	TIE-POINT 2 PERSPECTIVE VIEW PDWTP METAS REMOVAL BUILDING (841)	0	4/12/2022
860-1A-G-123	TIE-POINTS 3 AND 4 PERSPECTIVE VIEW PDWTP METAS REMOVAL BUILDING (841)	0	4/12/2022
860-1A-G-124	TIE-POINT 5 PERSPECTIVE VIEW PDWTP METAS REMOVAL BUILDING (841)	0	4/12/2022
860-1A-G-125	TIE-POINT 6 PERSPECTIVE VIEW PDWTP METAS REMOVAL BUILDING (841)	0	4/12/2022
860-1A-G-126	TIE-POINT 1 & 7 PERSPECTIVE VIEW PDWTP METALS REMOVAL BUILDING (841)	0	4/12/2022
861-1A-G-100	MOLY WATER TREATMENT PLANT BUILDING GENERAL ARRANGEMENT	0	4/12/2022
864-1A-G-100	MOLY THICKENERS UNDERFLOW PUMP ROOMS GENERAL ARRANGEMENT	0	4/12/2022
CIVIL			
860-1A-C-101	GENERAL CIVIL NOTES	0	4/12/2022
860-1A-C-102	CIVIL LEGEND	0	4/12/2022
860-1A-C-103	EXISTING CONDITIONS, DEMOLITION, AND ABANDONMENT	0	4/12/2022
860-1A-C-104	SITE PLAN	0	4/12/2022
860-1A-C-110	UNDERDRAIN SYSTEM	0	4/12/2022
860-1A-C-115	GRADING AND DRAINAGE PLAN	0	4/12/2022
860-1A-C-117	GRADING SECTIONS	0	4/12/2022
860-1A-C-120	SITE LAYOUT AND PAVING PLAN	0	4/12/2022
860-1A-C-121	EROSION AND SEDIMENT CONTROL	0	4/12/2022
860-1A-C-130	YARD PIPING PLAN	0	4/12/2022
840-1A-C-131	UTILITY WATER WELL AND PIPING	0	4/12/2022
860-1A-C-132	YARD PIPING PROFILES SHEET 1	0	4/12/2022
860-1A-C-133	YARD PIPING PROFILES SHEET 2	0	4/12/2022
860-1A-C-134	YARD PIPING PROFILES SHEET 3	0	4/12/2022
840-1A-C-135	UTILITY WATER WELL DETAILS	0	4/12/2022
860-1A-C-140	MOLY PROCESS BUILDING ROOF DRAIN SYSTEM	0	4/12/2022
860-1A-C-151	CIVIL DETAILS SHEET 1	0	4/12/2022
860-1A-C-152	CIVIL DETAILS SHEET 2	0	4/12/2022
860-1A-C-153	CIVIL DETAILS SHEET 3	0	4/12/2022
860-1A-C-154	CIVIL DETAILS SHEET 4	0	4/12/2022
860-1A-C-155	CIVIL DETAILS SHEET 5	0	4/12/2022
860-1A-C-160	AVALANCHE MITIGATION - GENERAL NOTES	IN PROGRESS	
860-1A-C-161	AVALANCHE MITIGATION - SPECIFICATIONS 1	IN PROGRESS	
860-1A-C-162	AVALANCHE MITIGATION - GENERAL ARRANGEMENT	IN PROGRESS	
860-1A-C-163	AVALANCHE MITIGATION - ANCHOR LOCATIONS	IN PROGRESS	
860-1A-C-164	AVALANCHE MITIGATION - PLAN AND ELEVATION	IN PROGRESS	
860-1A-C-165	AVALANCHE MITIGATION - DETAILS SHEET 1	IN PROGRESS	
860-1A-C-166	AVALANCHE MITIGATION - DETAILS SHEET 2	IN PROGRESS	
860-1A-C-167	AVALANCHE MITIGATION - DETAILS SHEET 3	IN PROGRESS	
860-1A-C-168	AVALANCHE MITIGATION - DETAILS SHEET 4	IN PROGRESS	
860-1A-C-169	AVALANCHE MITIGATION - DETAILS SHEET 5	IN PROGRESS	

Drawing Number	Drawing Title	Current Revision	Current Rev Issued Date
ARCHITECTURAL			
861-1A-A-G200	CODE COMPLIANCE	0	4/11/2022
861-1A-A-G201	CODE COMPLIANCE LEVEL 01 PLAN	0	4/11/2022
861-1A-A-G202	CODE COMPLIANCE LEVEL 02 PLAN	0	4/11/2022
861-1A-A-G203	CODE COMPLIANCE EQUIPMENT MEZZANINE PLAN	0	4/11/2022
864-1A-A-G204	CODE COMPLIANCE THICKENER UTILITY CHASE	0	4/11/2022
861-1A-A-001	SYMBOLS AND ABBREVIATIONS	0	4/11/2022
861-1A-A-051	SITE PLAN	0	4/11/2022
861-1A-A-101	LEVEL 01 PLAN	0	4/11/2022
861-1A-A-102	LEVEL 02 PLAN	0	4/11/2022
861-1A-A-103	EQ MEZZ PLAN	0	4/11/2022
861-1A-A-105	ROOF PLAN	0	4/11/2022
861-1A-A-301	EXTERIOR ELEVATIONS	0	4/11/2022
861-1A-A-331	BUILDING SECTIONS	0	4/11/2022
861-1A-A-332	BUILDING SECTIONS	0	4/11/2022
861-1A-A-333	BUILDING SECTIONS	0	4/11/2022
861-1A-A-401	WALL SECTIONS	0	4/11/2022
861-1A-A-402	WALL SECTIONS	0	4/11/2022
861-1A-A-501	STAIR PLANS AND SECTIONS	0	4/11/2022
861-1A-A-502	STAIR PLANS AND SECTIONS	0	4/11/2022
861-1A-A-503	STAIR PLANS AND SECTIONS	0	4/11/2022
861-1A-A-504	STAIR PLANS AND SECTIONS	0	4/11/2022
861-1A-A-505	STAIR PLANS AND SECTIONS	0	4/11/2022
861-1A-A-1201	LEVEL 01 FINISH PLAN	0	4/11/2022
861-1A-A-1202	LEVEL 02 FINISH PLAN	0	4/11/2022
861-1A-A-1203	EQ MEZZ FINISH PLAN	0	4/11/2022
864-1A-A-100	THICKENER UTILITY CHASE FLOOR PLAN	0	4/11/2022
869-1A-A-420	EXTERIOR WALL ASSEMBLIES AND PLAN DETAILS	0	4/11/2022
869-1A-A-421	WALL SECTION DETAILS	0	4/11/2022
869-1A-A-422	DOOR DETAILS	0	4/11/2022
869-1A-A-1002	PARTITION TYPES	0	4/11/2022
869-1A-A-1005	DOOR SCHEDULE, WINDOW & SIGN TYPES	0	4/11/2022
PROCESS			
860-1A-F-001	PROCESS FLOW DIAGRAM SHEET 1	0	4/5/2022
860-1A-F-002	PROCESS FLOW DIAGRAM SHEET 2	0	4/5/2022
860-1A-F-003	PROCESS FLOW DIAGRAM SHEET 3	0	4/5/2022
860-1A-F-004	MASS BALANCE	0	4/5/2022
800-1A-D-001	P&ID SYMBOLS AND ABBREVIATIONS SHEET 1	0	4/5/2022
800-1A-D-002	P&ID SYMBOLS AND ABBREVIATIONS SHEET 2	0	4/5/2022
800-1A-D-003	P&ID SYMBOLS AND ABBREVIATIONS SHEET 3	0	4/5/2022
840-1A-D-001	PROPERTY DISCHARGE WATER TREATMENT PLANT PDWTP FEED WATER TANK	0	4/5/2022
840-1A-D-002	PROPERTY DISCHARGE WATER TREATMENT PLANT METALS MIX AND REACTOR	0	4/5/2022
840-1A-D-014	PROPERTY DISCHARGE WATER TREATMENT PLANT SLAKED LIME STORAGE AND FEED	0	4/5/2022
840-1A-D-018	PROPERTY DISCHARGE WATER TREATMENT PLANT MAYFLOWER RETURN SUMP PIPING	0	4/5/2022
840-1A-D-020	PROPERTY DISCHARGE WATER TREATMENT PLANT UTILITY WATER SYSTEM	0	4/5/2022
840-1A-D-023	PROPERTY DISCHARGE WATER TREATMENT PLANT UTILITY FIRE LOOP & EMERGENCY GENERATOR	0	4/5/2022
840-1A-D-024	PROPERTY DISCHARGE WATER TREATMENT PLANT POTABLE WATER SYSTEM	0	4/5/2022
860-1A-D-001	PIPING AND INSTRUMENTATION DIAGRAM MOLY REACTOR #1	0	4/5/2022
860-1A-D-002	PIPING AND INSTRUMENTATION DIAGRAM MOLY REACTOR #2	0	4/5/2022
860-1A-D-003	PIPING AND INSTRUMENTATION DIAGRAM MOLY MIX TANK AND SPLITTER BOX	0	4/5/2022
860-1A-D-004	PIPING AND INSTRUMENTATION DIAGRAM MOLY THICKENING SYSTEM #1	0	4/5/2022
860-1A-D-005	PIPING AND INSTRUMENTATION DIAGRAM MOLY THICKENING SYSTEM #2	0	4/5/2022
860-1A-D-011	PIPING AND INSTRUMENTATION DIAGRAM MOLY SLUDGE HANDLING SYSTEM	0	4/5/2022
860-1A-D-012	PIPING AND INSTRUMENTATION DIAGRAM MOLY EFFLUENT SYSTEM	0	4/5/2022
860-1A-D-013	PIPING AND INSTRUMENTATION DIAGRAM SULFURIC ACID SYSTEM	0	4/5/2022
860-1A-D-014	PIPING AND INSTRUMENTATION DIAGRAM UTILITY WATER	0	4/5/2022
860-1A-D-015	PIPING AND INSTRUMENTATION DIAGRAM FERRIC SULFATE SYSTEM	0	4/5/2022
860-1A-D-016	PIPING AND INSTRUMENTATION DIAGRAM MOLY FLOCCULANT SYSTEM 1 OF 2	0	4/5/2022
860-1A-D-017	PIPING AND INSTRUMENTATION DIAGRAM MOLY FLOCCULANT SYSTEM 2 OF 2	0	4/5/2022
860-1A-D-019	PIPING AND INSTRUMENTATION DIAGRAM MOLY PLANT SUMP	0	4/5/2022
860-1A-D-020	PIPING AND INSTRUMENTATION DIAGRAM PLANT AIR SYSTEM	0	4/5/2022
860-1A-D-021	PIPING AND INSTRUMENTATION DIAGRAM SAFETY SHOWERS	0	4/5/2022

0	2022-04-12	ISSUED FOR CONSTRUCTION	DBS	DBS	EPB	EPB
REV.	YYYY-MM-DD	DESCRIPTION	PREPARED	DESIGNED	REVIEWED	APPROVED

SEAL



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PROJECT
CLIMAX MINE
MOLYBDENUM REMOVAL WATER TREATMENT PLANT

TITLE
DRAWING INDEX SHEET 1

PROJECT NO.	REV.	of	DRAWING
1912808404	0		860-1A-G-102

Path: \\golder-gfs.com\projects\offices\denver\cadd\1912808400-1A-G-104.dwg | Last Edited By: mrosenthal | Date: 2022-04-12 | Time: 5:14:46 PM | Printed By: mrosenthal | Date: 2022-04-12 | Time: 5:14:24 PM

DRAWING NUMBER	DRAWING TITLE	CURRENT REVISION	CURRENT REV ISSUED DATE
861-1A-E-142-1	EVENTS POND 840-PU-022H MOTOR SCHEMATIC	0	3/31/2022
861-1A-E-142-2	EVENTS POND 840-PU-022H MOTOR WIRING DIAGRAM	0	3/31/2022
861-1A-E-200	MOLY PROCESS BUILDING - LIGHTING PLAN (SUMP AND VAULT AREA)	0	3/31/2022
861-1A-E-210	MOLY PROCESS BUILDING - LIGHTING PLAN (1ST FLOOR)	0	3/31/2022
861-1A-E-211	MOLY PROCESS BUILDING - LIGHTING PLAN (1ST FLOOR)	0	3/31/2022
861-1A-E-220	MOLY PROCESS BUILDING - LIGHTING PLAN (2ND FLOOR)	0	3/31/2022
861-1A-E-221	MOLY PROCESS BUILDING - LIGHTING PLAN (2ND FLOOR)	0	3/31/2022
861-1A-E-230	MOLY PROCESS BUILDING - LIGHTING PLAN (3RD FLOOR)	0	3/31/2022
861-1A-E-231	MOLY PROCESS BUILDING - LIGHTING PLAN (3RD FLOOR)	0	3/31/2022
861-1A-E-310	MOLY PROCESS BUILDING - POWER PLAN (1ST FLOOR SOUTH HALF)	0	3/31/2022
861-1A-E-311	MOLY PROCESS BUILDING - POWER PLAN (1ST FLOOR NORTH HALF)	0	3/31/2022
861-1A-E-320	MOLY PROCESS BUILDING - POWER PLAN (2ND FLOOR SOUTH HALF)	0	3/31/2022
861-1A-E-321	MOLY PROCESS BUILDING - POWER PLAN (2ND FLOOR NORTH HALF)	0	3/31/2022
861-1A-E-340	MOLY PROCESS BUILDING - ELECTRICAL ROOM LAYOUT (2ND FLOOR)	0	3/31/2022
861-1A-E-341	MOLY PROCESS BUILDING - ELECTRICAL ROOM SECTIONS (2ND FLOOR)	0	3/31/2022
861-1A-E-350	MOLY PROCESS BUILDING - CABLE TRAY PLAN (SUMP AREA)	0	3/31/2022
861-1A-E-355	MOLY PROCESS BUILDING - CABLE TRAY PLAN (1ST FLOOR)	0	3/31/2022
861-1A-E-356	MOLY PROCESS BUILDING - CABLE TRAY PLAN (1ST FLOOR)	0	3/31/2022
861-1A-E-360	MOLY PROCESS BUILDING - CABLE TRAY PLAN (2ND FLOOR)	0	3/31/2022
861-1A-E-365	MOLY PROCESS BUILDING - CABLE TRAY PLAN (3RD FLOOR)	0	3/31/2022
861-1A-E-370	MOLY PROCESS BUILDING - CABLE TRAY SECTION GRID LINE F	0	3/31/2022
861-1A-E-371	MOLY PROCESS BUILDING - CABLE TRAY SECTION GRID LINE E.5	0	3/31/2022
861-1A-E-372	MOLY PROCESS BUILDING - CABLE TRAY SECTION GRID LINE E	0	3/31/2022
861-1A-E-373	MOLY PROCESS BUILDING - CABLE TRAY SECTION GRID LINE 15	0	3/31/2022
861-1A-E-374	MOLY PROCESS BUILDING - CABLE TRAY SECTION GRID LINE 12	0	3/31/2022
861-1A-E-395	MOLY PROCESS BUILDING - CABLE TRAY - SOUTH ISOMTERIC VIEW	0	3/31/2022
861-1A-E-396	MOLY PROCESS BUILDING - CABLE TRAY - NORTH ISOMTERIC VIEW	0	3/31/2022
861-1A-E-400	MOLY PROCESS BUILDING - MECH POWER PLAN (SUMP AREA)	0	3/31/2022
861-1A-E-410	MOLY PROCESS BUILDING - MECH POWER PLAN (1ST FLOOR)	0	3/31/2022
861-1A-E-420	MOLY PROCESS BUILDING - MECH POWER PLAN (2ND FLOOR)	0	3/31/2022
861-1A-E-430	MOLY PROCESS BUILDING - MECH POWER PLAN (3RD FLOOR)	0	3/31/2022
861-1A-E-510	MOLY PROCESS BUILDING - HVAC POWER PLAN	0	3/31/2022
861-1A-E-600	MOLY PROCESS BUILDING - GROUNDING PLAN (1ST FLOOR)	0	3/31/2022
861-1A-E-601	MOLY PROCESS BUILDING - GROUNDING PLAN (1ST FLOOR)	0	3/31/2022
861-1A-E-650	MOLY PROCESS BUILDING CONDUIT DUCTS PLAN	0	3/31/2022
861-1A-E-651	MOLY PROCESS BUILDING CONDUIT DUCTS SECTIONS	0	3/31/2022
861-1A-E-820	861-LP-001 AND 861-LP-001A - PANEL SCHEDULES	0	3/31/2022
861-1A-E-821	MOLY PROCESS BUILDING - PANEL SCHEDULES	0	3/31/2022
861-1A-E-822	MOLY PROCESS BUILDING - PANEL SCHEDULES	0	3/31/2022
861-1A-E-823	MOLY PROCESS BUILDING - PANEL SCHEDULES	0	3/31/2022
861-1A-E-850	MOLY PROCESS BUILDING - CABLE SCHEDULE	0	3/31/2022
861-1A-E-851	MOLY PROCESS BUILDING - CABLE SCHEDULE	0	3/31/2022
861-1A-E-852	MOLY PROCESS BUILDING - CABLE SCHEDULE	0	3/31/2022
861-1A-E-853	MOLY PROCESS BUILDING - CABLE SCHEDULE	0	3/31/2022
864-1A-E-200	MOLY THICKENERS - LIGHTING PLAN (THICKENER TH-005 UTILITY CHASE)	0	3/31/2022
864-1A-E-201	MOLY THICKENERS - LIGHTING PLAN (THICKENER TH-006 UTILITY CHASE)	0	3/31/2022
864-1A-E-210	MOLY THICKENERS - LIGHTING PLAN (THICKENER TH-005 BRIDGE)	0	3/31/2022
864-1A-E-211	MOLY THICKENERS - LIGHTING PLAN (THICKENER TH-006 BRIDGE)	0	3/31/2022
864-1A-E-300	MOLY THICKENERS - POWER PLAN - (THICKENER)	0	3/31/2022
864-1A-E-310	MOLY THICKENERS - POWER PLAN - (THICKENER BRIDGE)	0	3/31/2022
864-1A-E-350	MOLY THICKENERS - CABLE TRAY PLAN (UTILITY CHASE THICKENER TH-005)	0	3/31/2022
864-1A-E-351	MOLY THICKENERS - CABLE TRAY PLAN (UTILITY CHASE THICKENER TH-006)	0	3/31/2022
864-1A-E-360	MOLY THICKENERS - CABLE TRAY PLAN (TANK THICKENER TH-005)	0	3/31/2022
864-1A-E-361	MOLY THICKENERS - CABLE TRAY PLAN (TANK THICKENER TH-006)	0	3/31/2022
864-1A-E-400	MOLY THICKENERS - MECH POWER PLAN - UTILITY CHASE	0	3/31/2022
864-1A-E-410	MOLY THICKENERS - MECH POWER PLAN - TANK	0	3/31/2022
864-1A-E-510	MOLY THICKENERS - HVAC POWER PLAN	0	3/31/2022
864-1A-E-600	MOLY THICKENERS - GROUNDING PLAN (UTILITY CHASE TH-005 AND TH-006)	0	3/31/2022
864-1A-E-610	MOLY THICKENERS - GROUNDING PLAN (THICKENER TH-005)	0	3/31/2022
864-1A-E-611	MOLY THICKENERS - GROUNDING PLAN (THICKENER TH-006)	0	3/31/2022

DRAWING NUMBER	DRAWING TITLE	CURRENT REVISION	CURRENT REV ISSUED DATE
INSTRUMENTATION			
840-1A-I-001	UTILITY WATER SYSTEM BLOCK DIAGRAM	0	3/23/2022
840-1A-I-200	UTILITY WATER WELL - INSTRUMENTATION LOCATION PLAN	0	4/5/2022
861-1A-I-002	MOLY PLANT ANALOG RIO PANEL 861-CP-001A LAYOUT	0	3/25/2022
861-1A-I-003	MOLY PLANT ANALOG RIO PANEL 861-CP-001A BOM, NAMEPLATE SCHEDULE & NOTES	0	3/25/2022
861-1A-I-004	MOLY PLANT ANALOG RIO PANEL 861-CP-001A POWER WIRING DIAGRAM	0	3/25/2022
861-1A-I-005	MOLY PLANT ANALOG RIO PANEL 861-CP-001A INSTRUMENT POWER WIRING DIAGRAM	0	3/25/2022
861-1A-I-006	MOLY PLANT ANALOG RIO PANEL 861-CP-001A ANALOG MODULE DI:1 AND AND DI:2 WIRING DIAGRAM	0	3/25/2022
861-1A-I-008	MOLY PLANT ANALOG RIO PANEL 861-CP-001A ANALOG MODULE DI:7 AND AND DI:8 WIRING DIAGRAM	0	3/25/2022
861-1A-I-009	MOLY PLANT ANALOG RIO PANEL 861-CP-001A ANALOG MODULE DI:11 AND AND DI:12 WIRING DIAGRAM	0	3/25/2022
861-1A-I-010	MOLY PLANT ANALOG RIO PANEL 861-CP-001A ANALOG MODULE DI:13 AND AND DI:14 WIRING DIAGRAM	0	3/25/2022
861-1A-I-011	MOLY PLANT ANALOG RIO PANEL 861-CP-001A ANALOG MODULE DI:15 AND AND DI:16 WIRING DIAGRAM	0	3/25/2022
861-1A-I-012	MOLY PLANT DIGITAL RIO PANEL 861-CP-001B LAYOUT	0	3/25/2022
861-1A-I-013	MOLY PLANT DIGITAL RIO PANEL 861-CP-001B BOM, NAMEPLATE SCHEDULE & NOTES	0	3/25/2022
861-1A-I-014	MOLY PLANT DIGITAL RIO PANEL 861-CP-001B POWER WIRING DIAGRAM	0	3/25/2022
861-1A-I-015	MOLY PLANT DIGITAL RIO PANEL 861-CP-001B DIGITAL I/O MODULES DI:1 AND DI:2 WIRING DIAGRAM	0	3/25/2022
861-1A-I-017	MOLY PLANT DIGITAL RIO PANEL 861-CP-001B DIGITAL I/O MODULES DO:7 AND DO:8 WIRING DIAGRAM	0	3/25/2022
861-1A-I-018	MOLY PLANT DIGITAL RIO PANEL 861-CP-001B DIGITAL I/O MODULES AI:11 AND AI:12 WIRING DIAGRAM	0	3/25/2022
861-1A-I-019	MOLY PLANT DIGITAL RIO PANEL 861-CP-001B DIGITAL I/O MODULES AI:13 AND AI:14 WIRING DIAGRAM	0	3/25/2022
861-1A-I-020	MOLY PLANT DIGITAL RIO PANEL 861-CP-001B DIGITAL I/O MODULES DI:15 WIRING DIAGRAM	0	3/25/2022
861-1A-I-021	ACID & FERRIC SULFATE CONTAINMENT JUNCTION BOX 861-JB-525 LAYOUT & BOM	0	3/25/2022
861-1A-I-022	PDWTP ANALOG JUNCTION BOX 840-JB-101	0	3/25/2022
861-1A-I-023	MOLY PLANT SOUTH END RIO PANEL 861-CP-001B INSTRUMENT POWER WIRING DIAGRAM	0	3/25/2022
861-1A-I-025	MOLY PLANT NORTH END RIO PANEL 861-CP-001A ANALOG I/O MODULE AO:16 WIRING DIAGRAM	0	3/25/2022
861-1A-I-026	MOLY PLANT NORTH END RIO PANEL 861-CP-001B ANALOG I/O MODULE AO:16 WIRING DIAGRAM	0	3/25/2022
861-1A-I-027	MOLY PLANT COMMUNICATION PANEL 861-CP-001C LAYOUT	0	3/25/2022
861-1A-I-028	MOLY PLANT COMMUNICATION PANEL 861-CP-001C BOM NAMEPLATE SCHEDULE & NOTES	0	3/25/2022
861-1A-I-029	MOLY PLANT COMMUNICATION PANEL 861-CP-001C POWER WIRING DIAGRAM	0	3/25/2022
861-1A-I-030	MOLY PLANT COMMUNICATION PANEL 861-CP-001C INSTRUMENT POWER WIRING DIAGRAM	0	3/25/2022
861-1A-I-031	SULFURIC ACID TANK UNLOADING PANEL 861-JB-501 LAYOUT & BOM	0	3/25/2022
861-1A-I-032	MOLY PLANT NETWORK MOLY PROCESS BUILDING BLOCK DIAGRAM	0	3/25/2022
861-1A-I-200	MOLY PROCESS BUILDING - INSTRUMENTATION LOCATION PLAN (SUMP AREA)	0	3/25/2022
861-1A-I-210	MOLY PROCESS BUILDING - INSTRUMENTATION LOCATION PLAN (1ST FLOOR SOUTH HALF)	0	3/25/2022
861-1A-I-211	MOLY PROCESS BUILDING - INSTRUMENTATION LOCATION PLAN (1ST FLOOR NORTH HALF)	0	3/25/2022
861-1A-I-220	MOLY PROCESS BUILDING - INSTRUMENTATION LOCATION PLAN (2ND FLOOR SOUTH HALF)	0	3/25/2022
861-1A-I-221	MOLY PROCESS BUILDING - INSTRUMENTATION LOCATION PLAN (2ND FLOOR NORTH HALF)	0	3/25/2022
861-1A-I-230	MOLY PROCESS BUILDING - INSTRUMENTATION LOCATION PLAN (3RD FLOOR SOUTH HALF)	0	3/25/2022
861-1A-I-231	MOLY PROCESS BUILDING - INSTRUMENTATION LOCATION PLAN (3RD FLOOR NORTH HALF)	0	3/25/2022
861-1A-I-240	PDWTP BUILDING-INSTRUMENTATION LOCATION PLAN-INTERCONNECTING PIPE	0	4/5/2022
861-1A-I-900	INSTRUMENT DETAILS	0	3/25/2022
861-1A-I-901	INSTRUMENT DETAILS	0	3/25/2022
861-1A-I-902	INSTRUMENT DETAILS	0	3/25/2022
861-1A-I-903	INSTRUMENT DETAILS	0	3/25/2022
864-1A-I-001	THICKENER No. 1 UNDERFLOW RIO PANEL 864-CP-003 LAYOUT	0	3/25/2022
864-1A-I-002	THICKENER No. 1 UNDERFLOW RIO PANEL 864-CP-003 BOM, NAMEPLATE SCHEDULE & NOTES	0	3/25/2022
864-1A-I-003	THICKENER No. 1 UNDERFLOW RIO PANEL 864-CP-003 POWER WIRING DIAGRAM	0	3/25/2022
864-1A-I-004	THICKENER No. 1 UNDERFLOW RIO PANEL 864-CP-003 INSTRUMENT POWER WIRING DIAGRAM	0	3/25/2022
864-1A-I-005	THICKENER No. 1 UNDERFLOW RIO PANEL 864-CP-003 DIGITAL I/O MODULE DI:1 AND DI:2 WIRING DIAGRAM	0	3/25/2022
864-1A-I-007	THICKENER No. 1 UNDERFLOW RIO PANEL 864-CP-003 DIGITAL I/O MODULE DO:6 AND DO:7 WIRING DIAGRAM	0	3/25/2022
864-1A-I-008	THICKENER No. 1 UNDERFLOW RIO PANEL 864-CP-003 DIGITAL I/O MODULE DO:8 WIRING DIAGRAM	0	3/25/2022
864-1A-I-009	THICKENER No. 1 UNDERFLOW RIO PANEL 864-CP-003 ANALOG I/O MODULE AI:11 AND AI:12 WIRING DIAGRAM	0	3/25/2022
864-1A-I-010	THICKENER No. 2 UNDERFLOW RIO PANEL 864-CP-004 LAYOUT	0	3/25/2022
864-1A-I-011	THICKENER No. 2 UNDERFLOW RIO PANEL 864-CP-004 BOM, NAMEPLATE SCHEDULE & NOTES	0	3/25/2022
864-1A-I-012	THICKENER No. 2 UNDERFLOW RIO PANEL 864-CP-004 POWER WIRING DIAGRAM	0	3/25/2022
864-1A-I-013	THICKENER No. 2 UNDERFLOW RIO PANEL 864-CP-004 INSTRUMENT POWER WIRING DIAGRAM	0	3/25/2022
864-1A-I-014	THICKENER No. 2 UNDERFLOW RIO PANEL 864-CP-004 DIGITAL I/O MODULE DI:1 AND DI:2 WIRING DIAGRAM	0	3/25/2022
864-1A-I-016	THICKENER No. 2 UNDERFLOW RIO PANEL 864-CP-004 DIGITAL I/O MODULE DO:6 AND DO:7 WIRING DIAGRAM	0	3/25/2022
864-1A-I-017	THICKENER No. 2 UNDERFLOW RIO PANEL 864-CP-004 DIGITAL I/O MODULE DO:8 WIRING DIAGRAM	0	3/25/2022
864-1A-I-018	THICKENER No. 2 UNDERFLOW RIO PANEL 864-CP-004 ANALOG I/O MODULE AI:11 AND AI:12 WIRING DIAGRAM	0	3/25/2022
864-1A-I-019	THICKENER No. 1 ANALOG JUNCTION BOX 864-JB-101 LAYOUT & BOM	0	3/25/2022
864-1A-I-020	THICKENER No. 1 DIGITAL JUNCTION BOX 864-JB-102 LAYOUT & BOM	0	3/25/2022
864-1A-I-021	THICKENER No. 2 ANALOG JUNCTION BOX 864-JB-111 LAYOUT & BOM	0	3/25/2022
864-1A-I-022	THICKENER No. 2 DIGITAL JUNCTION BOX 864-JB-112 LAYOUT & BOM	0	3/25/2022
864-1A-I-023	THICKENER No. 1 U/F FIBER OPTIC PATCH PANEL 864-COM-011 LAYOUT & BOM	0	3/25/2022
864-1A-I-024	THICKENER No. 2 U/F FIBER OPTIC PATCH PANEL 864-COM-012 LAYOUT & BOM	0	3/25/2022
864-1A-I-025	MOLY PLANT NETWORK THICKENER No.1&2 UNDERFLOW BLOCK DIAGRAM	0	3/25/2022
864-1A-I-200	MOLY THICKENERS - INSTRUMENTATION LOCATION PLAN - THICKENER TH-005 (TUNNEL)	0	3/25/2022
864-1A-I-201	MOLY THICKENERS - INSTRUMENTATION LOCATION PLAN - THICKENER TH-006 (TUNNEL)	0	3/25/2022
864-1A-I-210	MOLY THICKENERS - INSTRUMENTATION LOCATION PLAN - THICKENER TH-005 (TANK)	0	3/25/2022
864-1A-I-211	MOLY THICKENERS - INSTRUMENTATION LOCATION PLAN - THICKENER TH-006 (TANK)	0	3/25/2022

SEAL



CLIENT



CLIMAX, COLORADO
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PROJECT

CLIMAX MINE
MOLYBDENUM REMOVAL WATER TREATMENT PLANT

TITLE

DRAWING INDEX SHEET 3

PROJECT NO.
1912808404

REV. of DRAWING
0 860-1A-G-104

0 2022-04-12 ISSUED FOR CONSTRUCTION

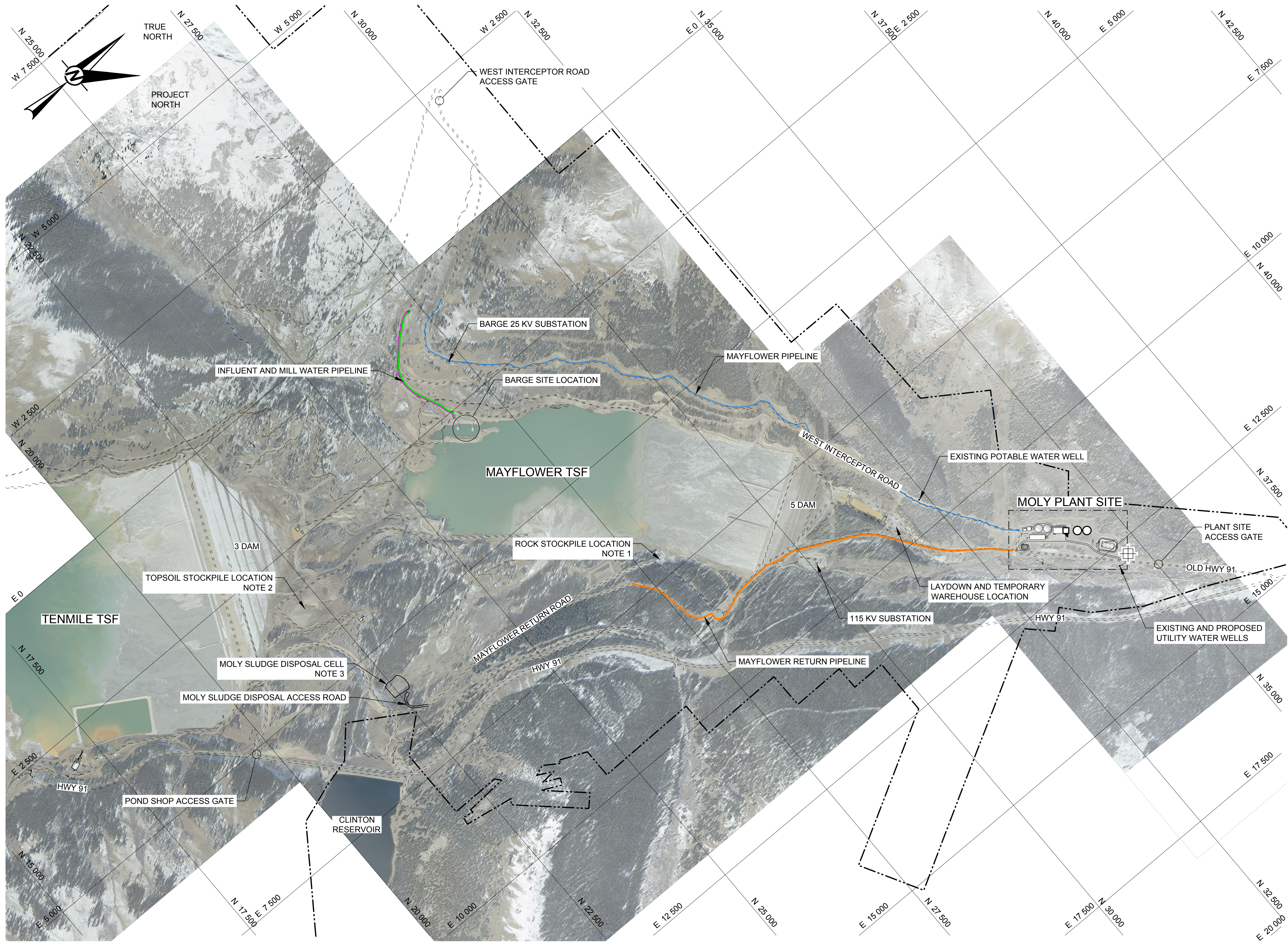
REV. YYYY-MM-DD DESCRIPTION

DBS DBS EPB EPB

PREPARED DESIGNED REVIEWED APPROVED

1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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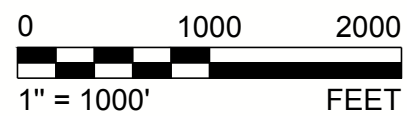


LEGEND

- PROPERTY LINE
- EXISTING ROAD / PAVED AREA
- MILL WATER PIPELINE
- MAYFLOWER PIPELINE
- MAYFLOWER RETURN PIPELINE
- INFLUENT PIPELINE
- BENCHMARK

NOTE(S)

- ROCK FRAGMENTS SCREENED OR REMOVED FROM FILL MATERIALS SHALL BE PLACED AT THE ROCK STOCKPILE LOCATION.
- EXCESS SOIL MATERIALS FROM EXCAVATION SHALL BE PLACED AT THE TOPSOIL STOCKPILE LOCATION.
- REFER TO DRAWING 6-800-01001 FOR MOLY SLUDGE DISPOSAL CELL INFORMATION.



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REV.	YYYY-MM-DD	DESCRIPTION	PREPARED	DESIGNED	REVIEWED	APPROVED

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PROJECT

CLIMAX MINE
MOLYBDENUM REMOVAL WATER TREATMENT PLANT

TITLE

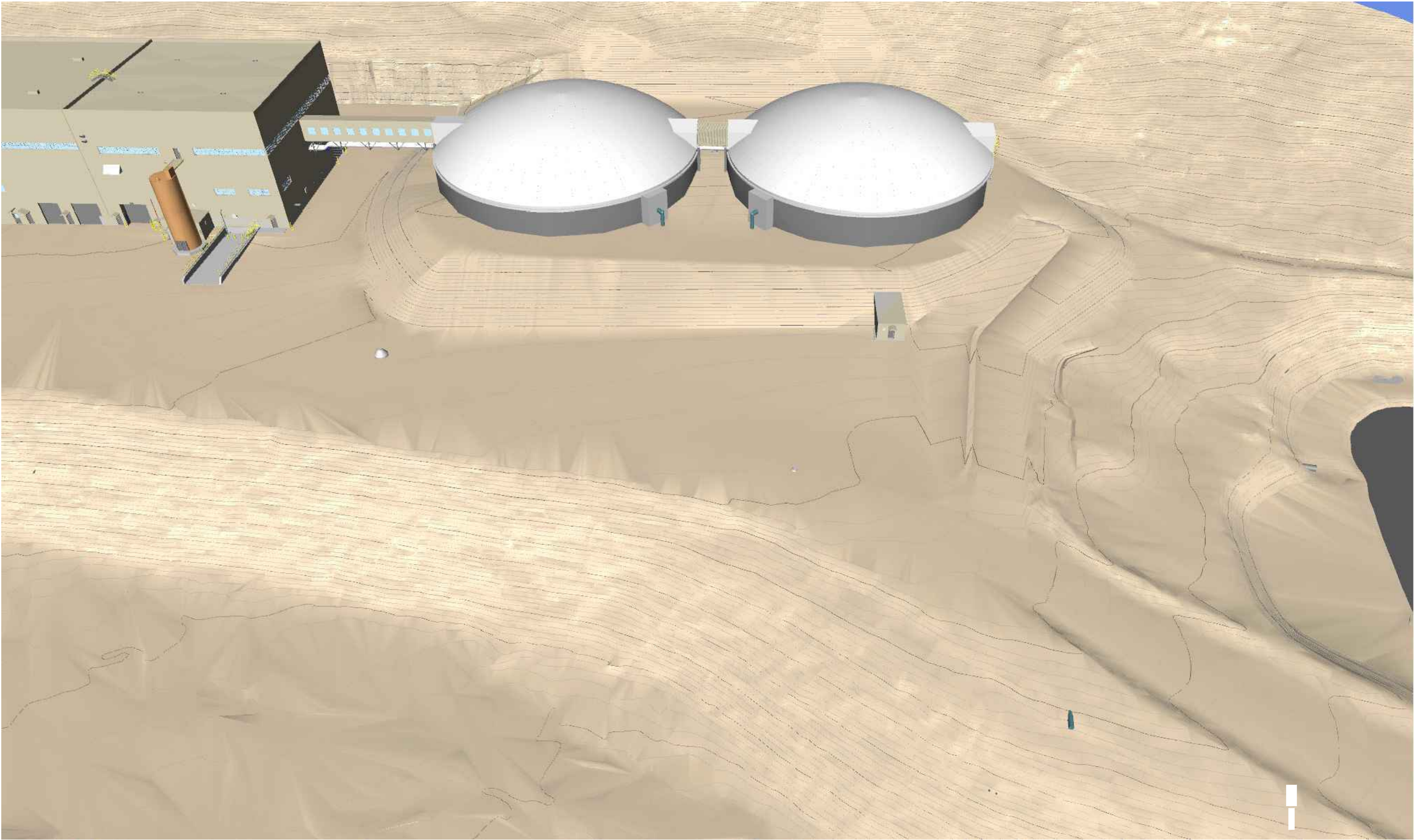
OVERALL SITE PLAN

PROJECT NO. 1912808404

REV. 0 of 0 DRAWING 860-1A-G-110

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A3/D

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REV.	YYYY-MM-DD	DESCRIPTION		PREPARED	DESIGNED	REVIEWED	APPROVED

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PROJECT

CLIMAX MINE
MOLYBDENUM REMOVAL WATER TREATMENT PLANT

TITLE

3D VIEW - LOOKING NORTHWEST BIRDS EYE VIEW

PROJECT NO.
1912808404

REV.

0

of

860-1A-G-112

DRAWING

0

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A3/D

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PROJECT
CLIMAX MINE
MOLYBDENUM REMOVAL WATER TREATMENT PLANT

TITLE
3D VIEW - LOOKING NORTHWEST LEVEL VIEW

PROJECT NO.	REV.	of	DRAWING
1912808404	0		860-1A-G-113

0	2022-04-12	ISSUED FOR CONSTRUCTION	DBS	DBS	EPB	EPB
REV.	YYYY-MM-DD	DESCRIPTION	PREPARED	DESIGNED	REVIEWED	APPROVED



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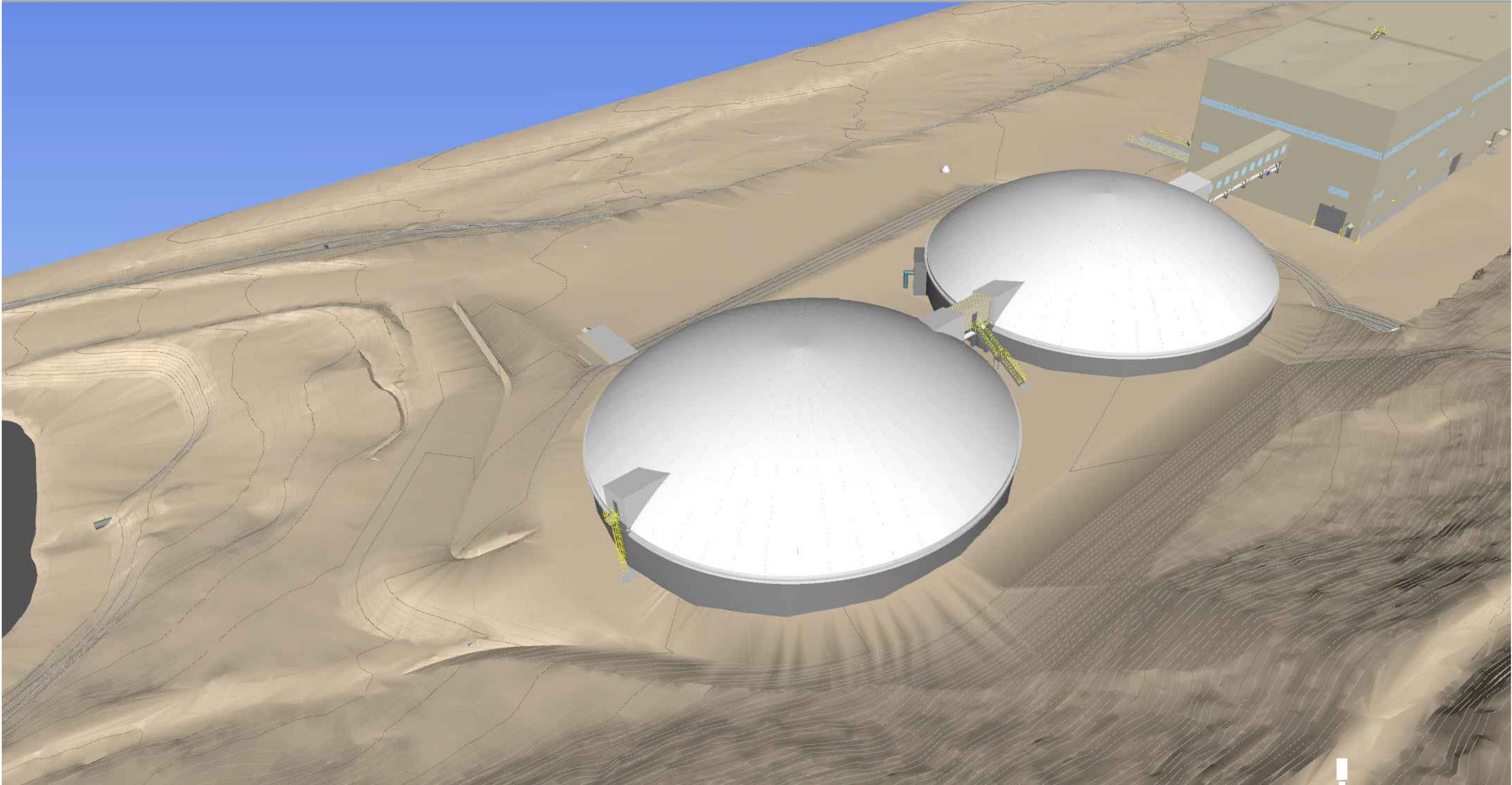


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MEMBER OF WSP

TITLE
3D VIEW - LOOKING SOUTH BIRDS EYE VIEW

PROJECT NO.	REV.	of	DRAWING
1912808404	0		860-1A-G-114

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REV.	YYYY-MM-DD	DESCRIPTION		PREPARED	DESIGNED	REVIEWED	APPROVED

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PROJECT

CLIMAX MINE
MOLYBDENUM REMOVAL WATER TREATMENT PLANT

TITLE

3D VIEW - LOOKING SOUTHEAST BIRDS EYE VIEW

PROJECT NO.
1912808404

REV.

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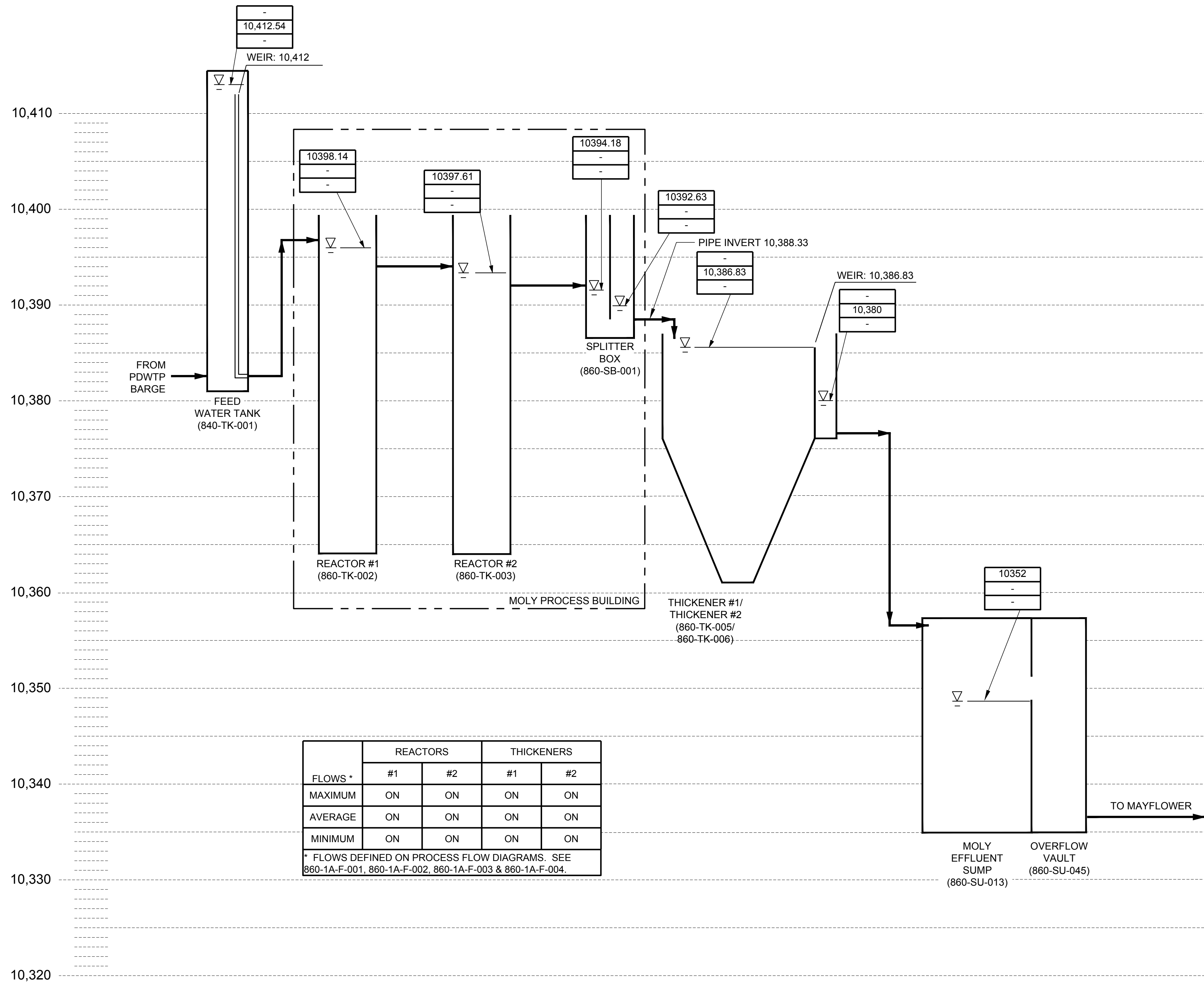
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860-1A-G-115

DRAWING

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PROJECT

CLIMAX MINE
MOLYBDENUM REMOVAL WATER TREATMENT PLANT

TITLE

**HYDRAULIC PROFILE
PRIMARY PLANT FLOW**

PROJECT No.
1912808404

Rev.
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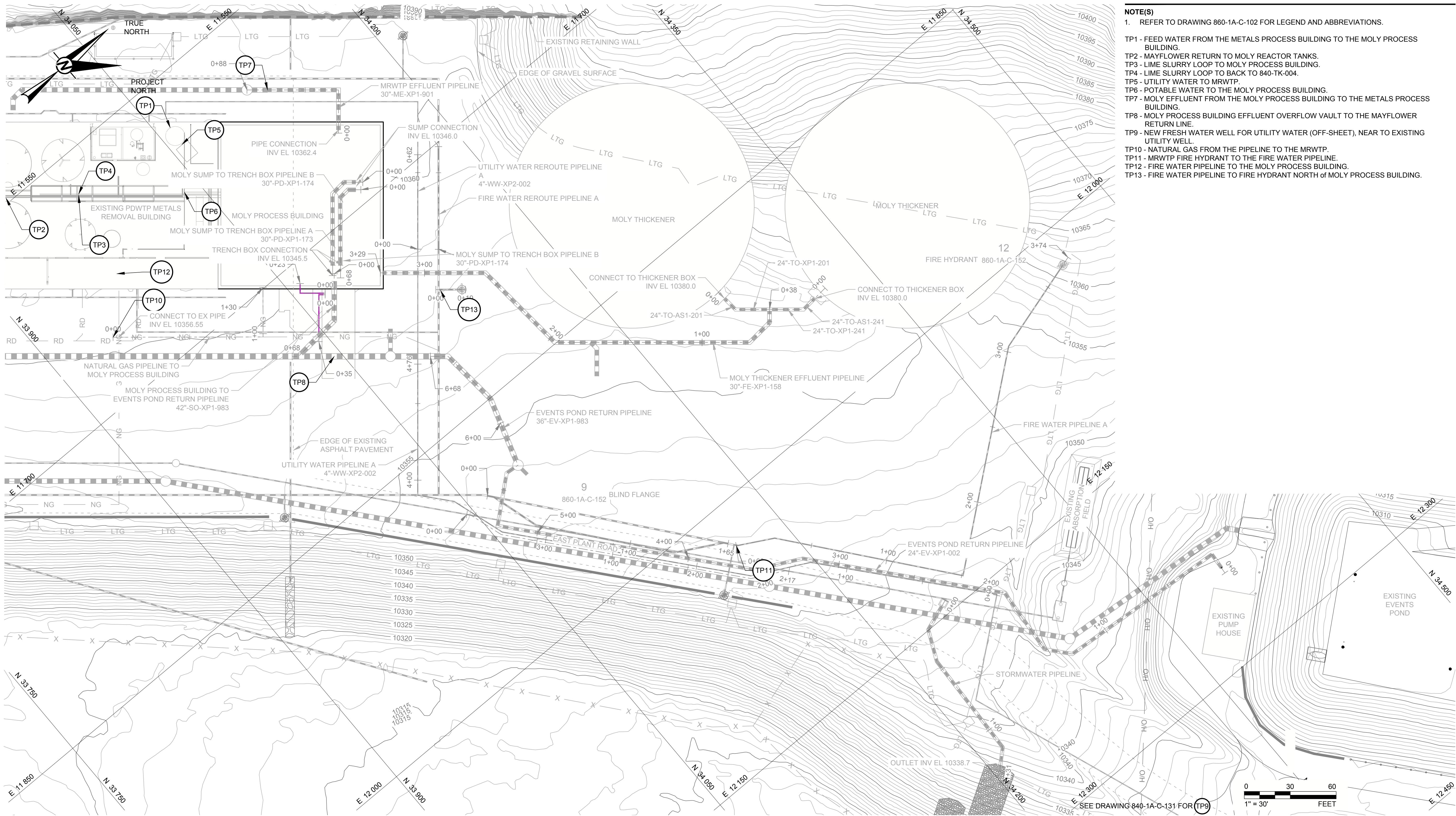
of
860-1A-G-118

DRAWING

PLOT DATE: 2022-04-12

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- NOTE(S)**
- REFER TO DRAWING 860-1A-C-102 FOR LEGEND AND ABBREVIATIONS.
- TP1 - FEED WATER FROM THE METALS PROCESS BUILDING TO THE MOLY PROCESS BUILDING.
TP2 - MAYFLOWER RETURN TO MOLY REACTOR TANKS.
TP3 - LIME SLURRY LOOP TO MOLY PROCESS BUILDING.
TP4 - LIME SLURRY LOOP TO BACK TO 840-TK-004.
TP5 - UTILITY WATER TO MRWTP.
TP6 - POTABLE WATER TO THE MOLY PROCESS BUILDING.
TP7 - MOLY EFFLUENT FROM THE MOLY PROCESS BUILDING TO THE METALS PROCESS BUILDING.
TP8 - MOLY PROCESS BUILDING EFFLUENT OVERFLOW VAULT TO THE MAYFLOWER RETURN LINE.
TP9 - NEW FRESH WATER WELL FOR UTILITY WATER (OFF-SHEET), NEAR TO EXISTING UTILITY WELL.
TP10 - NATURAL GAS FROM THE PIPELINE TO THE MRWTP.
TP11 - MRWTP FIRE HYDRANT TO THE FIRE WATER PIPELINE.
TP12 - FIRE WATER PIPELINE TO THE MOLY PROCESS BUILDING.
TP13 - FIRE WATER PIPELINE TO FIRE HYDRANT NORTH of MOLY PROCESS BUILDING.

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REV.	YYYY-MM-DD	DESCRIPTION		PREPARED	DESIGNED	REVIEWED	APPROVED

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PROJECT

CLIMAX MINE
MOLYBDENUM REMOVAL WATER TREATMENT PLANT

TITLE

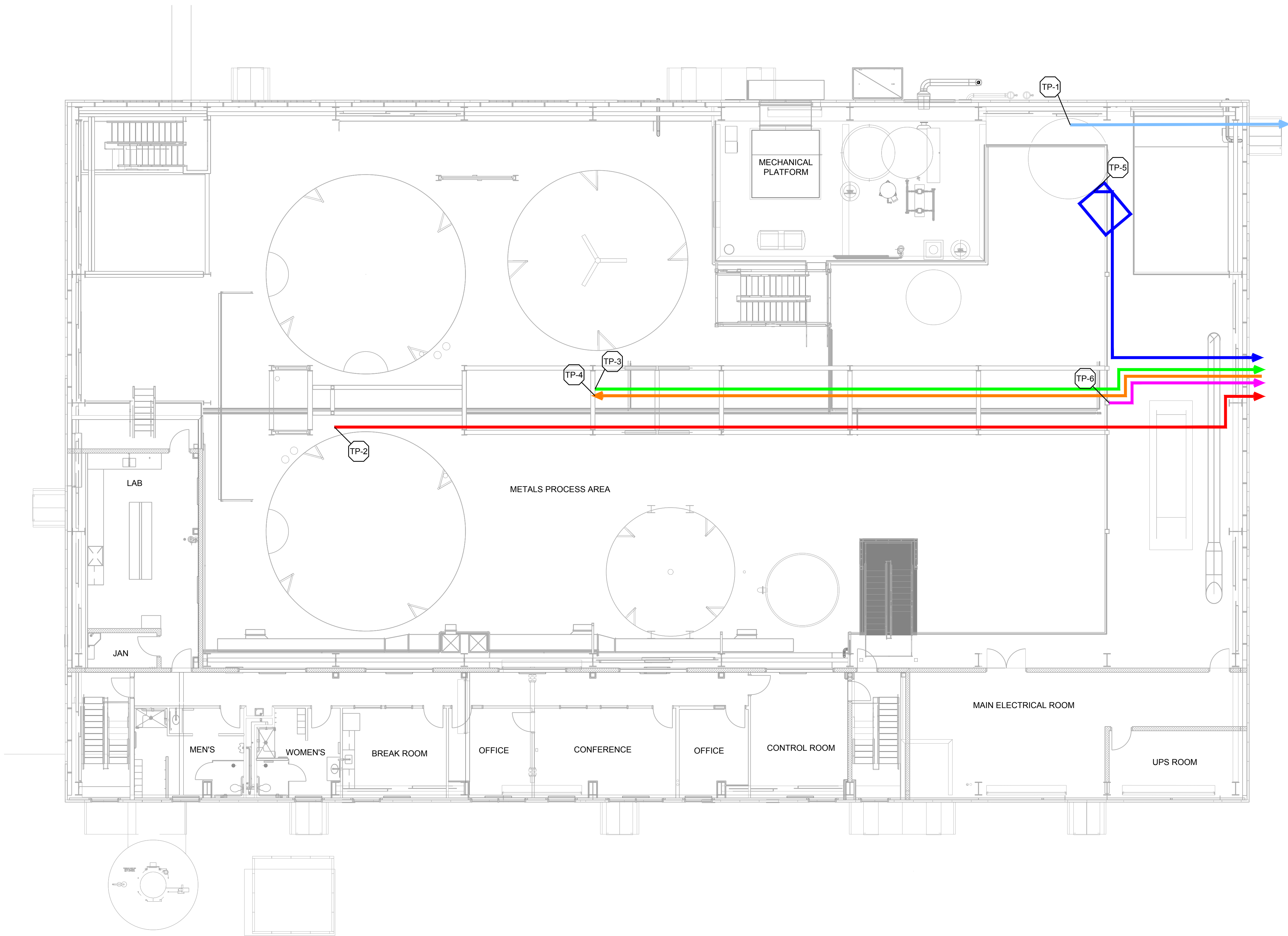
TIE-IN POINT PLAN SHEET 1

PROJECT NO.
1912808404

REV. of DRAWING
0 of 860-1A-G-119

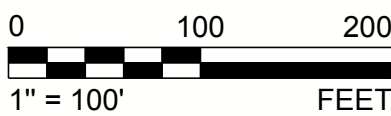
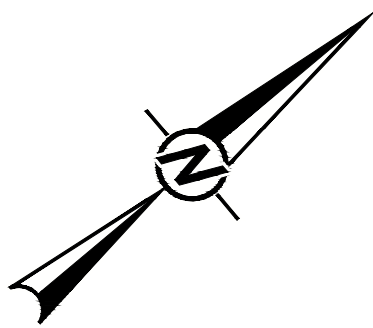
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- LEGEND**
- TP-1: INFLUENT PIPE TO MOLY REMOVAL WATER TREATMENT PLANT (MRWTP)
 - TP-2: MAYFLOWER RETURN SUMP TO MOLY REACTOR TANKS
 - TP-3: LIME SLURRY LOOP TO MOLY PROCESS BUILDING
 - TP-4: LIME SLURRY LOOP BACK TO METALS REMOVAL BUILDING
 - TP-5: UTILITY WATER TO METALS REMOVAL WATER TREATMENT PLANT (MRWTP)
 - TP-6: POTABLE WATER TO MRWTP

- REFERENCE(S)**
- METALS PROCESS FACILITY EXISTING SECOND FLOOR LAYOUT FROM: RECORD DRAWING NO. 841-A-102 DATED 2014-10-30, REVISION NUMBER 4, BY CH2MHILL. GOLDER TAKES NO RESPONSIBILITY FOR CH2MHILL RECORD DRAWING INFORMATION.
 - TP-2: SEE DRAWINGS 840-1A-D-018 AND 860-1A-G-122.
 - TP-3: SEE DRAWINGS 840-1A-D-002 AND 860-1A-G-123.
 - TP-4: SEE DRAWINGS 840-1A-D-014 AND 860-1A-G-123.
 - TP-5: SEE DRAWINGS 840-1A-D-020 AND 860-1A-G-124.
 - TP-6: SEE DRAWINGS 840-1A-D-024 AND 860-1A-G-125.



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PROJECT

CLIMAX MINE
MOLYBDENUM REMOVAL WATER TREATMENT PLANT

TITLE

**TIE-POINTS PLAN VIEW
PDWTP METALS REMOVAL BUILDING (841)**

PROJECT NO.
1912808404

REV.

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of

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DRAWING
860-1A-G-121

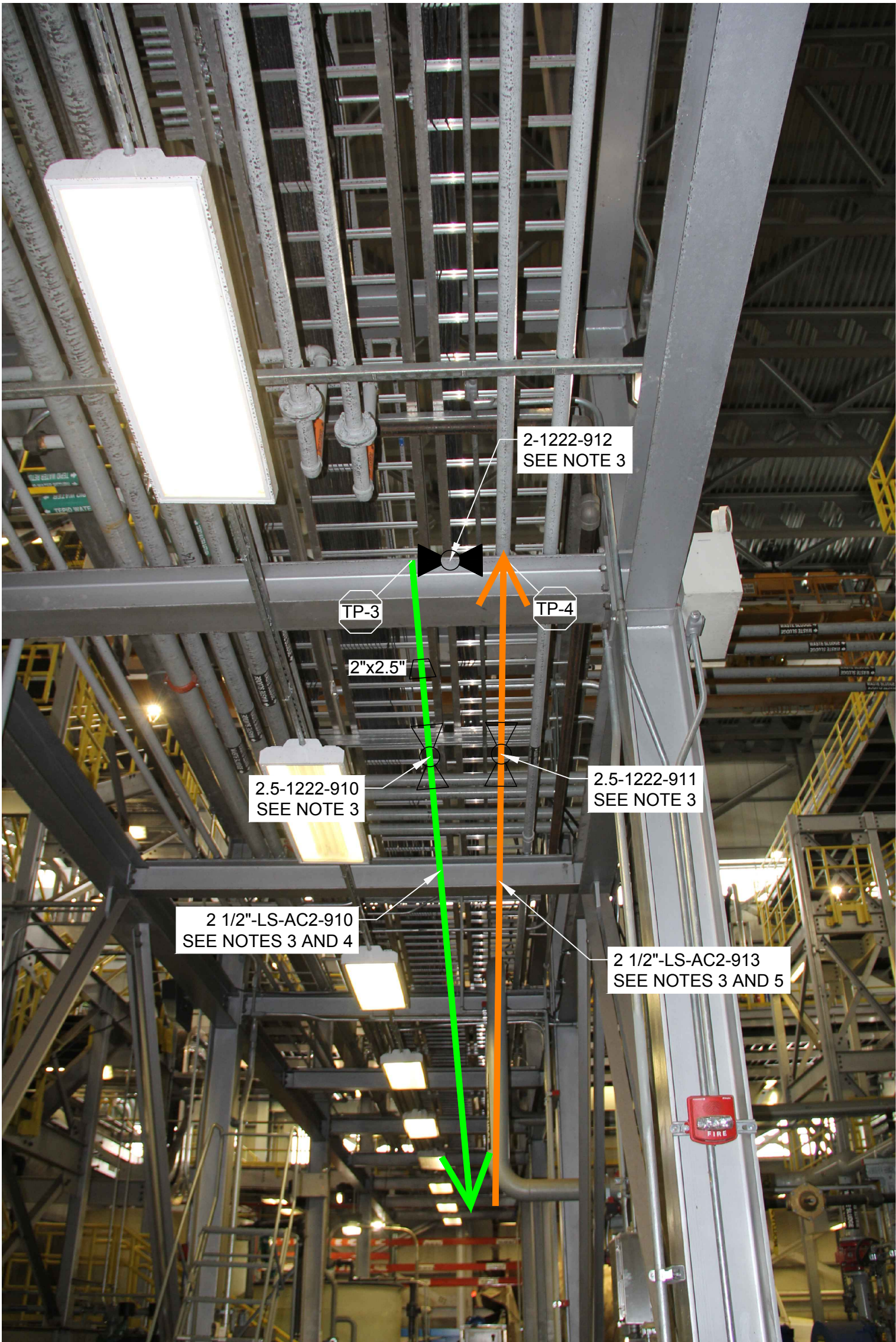
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PROJECT NO.	REV.	of	DRAWING
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LEGEND

- TP-3: LIME SLURRY LOOP TO MOLY PROCESS BUILDING
- TP-4: LIME SLURRY LOOP BACK TO METALS REMOVAL BUILDING

NOTE(S)

1. PICTORIAL REPRESENTATIONS OF PIPE ROUTING ARE NOT TO SCALE.
2. PHOTOS TAKEN 2020-04-20.
3. CONTRACTORS SHALL VERIFY PIPE DIMENSIONS SHOWN AND FIELD FIT AS NEEDED.
4. TP-3 MATERIAL OF CONSTRUCTION - 2 1/2" AC2: CARBON STEEL - CL 150
5. TP-4 MATERIAL OF CONSTRUCTION - 2 1/2" AC2: CARBON STEEL - CL 150

REFERENCE DRAWING(S)

FOR TP-3 SEE DRAWING 840-1A-D-002

FOR TP-4 SEE DRAWING 840-1A-D-014

REFERENCE SPECIFICATION(S)

40 20 00 LIQUID PROCESS PIPING

0	2022-04-12	ISSUED FOR CONSTRUCTION	EAT	CAJ	EPB	EPB
REV.	YYYY-MM-DD	DESCRIPTION	DESIGNED	PREPARED	REVIEWED	APPROVED

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PROJECT

CLIMAX MINE
MOLYBDENUM REMOVAL WATER TREATMENT PLANT

TITLE

**TIE-POINTS 3 AND 4 PERSPECTIVE VIEW
PDWTP METALS REMOVAL BUILDING (841)**

PROJECT NO.
1912808404

REV. 0 of DRAWING
860-1A-G-123

1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D

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LEGEND

TP-5: UTILITY WATER TO MRWTP

NOTE(S)

1. PICTORIAL REPRESENTATIONS OF PIPE ROUTING ARE NOT TO SCALE.
2. PHOTOS TAKEN 2020-04-20.
3. CONTRACTORS SHALL VERIFY PIPE DIMENSIONS SHOWN AND FIELD FIT AS NEEDED.
4. TP-5 MATERIAL OF CONSTRUCTION - 4" AC1: CARBON STEEL - CL 150
5. SEE DRAWING 861-1A-M-103 FOR CONTINUATION OF LINE.
6. SEE DRAWING 861-1A-S-102 FOR EQUIPMENT PAD 13 DETAILS.
7. FINAL LOCATION OF PUMP SKID TO BE DETERMINED BY OWNER.

REFERENCE DRAWING(S)

DRAWING 840-1A-D-020
DRAWING 861-1A-M-013

REFERENCE SPECIFICATION(S)

40 20 00 LIQUID PROCESS PIPING

0	2022-04-12	ISSUED FOR CONSTRUCTION	EAT	CAJ	EPB	EPB
REV.	YYYY-MM-DD	DESCRIPTION	DESIGNED	PREPARED	REVIEWED	APPROVED

SEAL



CLIENT

Climax Molybdenum
A Freeport-McMoRan Company

CLIMAX, COLORADO
FREMONT PASS

CONSULTANT

GOLDER
MEMBER OF WSP

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PROJECT

CLIMAX MINE
MOLYBDENUM REMOVAL WATER TREATMENT PLANT

TITLE

**TIE-POINT 5 PERSPECTIVE VIEW
PDWTP METALS REMOVAL BUILDING (841)**

PROJECT NO.
1912808404

REV.

0

of

DRAWING

860-1A-G-124

1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A3/D

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LEGEND

TP-6: POTABLE WATER TO MRWTP

NOTE(S)

1. PICTORIAL REPRESENTATIONS OF PIPE ROUTING ARE NOT TO SCALE.

2. PHOTO TAKEN 2020-04-20.

3. CONTRACTORS SHALL VERIFY PIPE DIMENSIONS SHOWN AND FIELD FIT AS NEEDED.

4. TP-6 MATERIAL OF CONSTRUCTION - 2 1/2" CU: COPPER TUBING - ASTM B88, TYPE L

REFERENCE DRAWING(S)

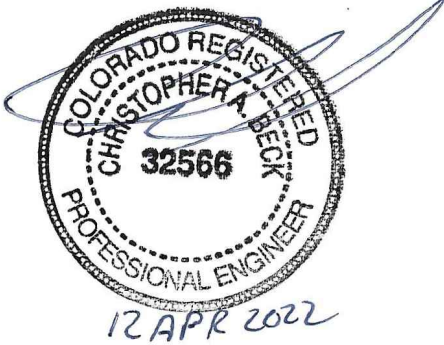
DRAWING 840-1A-D-024

REFERENCE SPECIFICATION(S)

22 10 00 PLUMBING PIPING

0	2022-04-12	ISSUED FOR CONSTRUCTION	EAT	CAJ	EPB	EPB
REV.	YYYY-MM-DD	DESCRIPTION	DESIGNED	PREPARED	REVIEWED	APPROVED

SEAL



CLIENT



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FREMONT PASS

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PROJECT
CLIMAX MINE
MOLYBDENUM REMOVAL WATER TREATMENT PLANT

TITLE
TIE-POINT 6 PERSPECTIVE VIEW
PDWTP METALS REMOVAL BUILDING (841)

PROJECT NO. 1912808404 REV. 0 of DRAWING 860-1A-G-125

1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D



TP-1: INFLUENT PIPING TO MRWTP

- NOTE(S)**
1. PHOTO TAKEN 2021-10-26
 2. CONTRACTORS SHALL VERIFY PIPE DIMENSIONS SHOWN AND FIELD FIT
 3. VALVE ACTUATORS TO BE TERMINATED ON ADJACENT HANDRAIL.

DRAWING 840-1A-D-001

40 05 53 PROCESS VALVES

0	2022-04-12	ISSUED FOR CONSTRUCTION	XX	TM	XX	EPB
REV.	YYYY-MM-DD	DESCRIPTION	DESIGNED	PREPARED	REVIEWED	APPROVED

SEAL



CLIENT



CLIMAX, COLORADO
FREMONT PASS

CONSULTANT



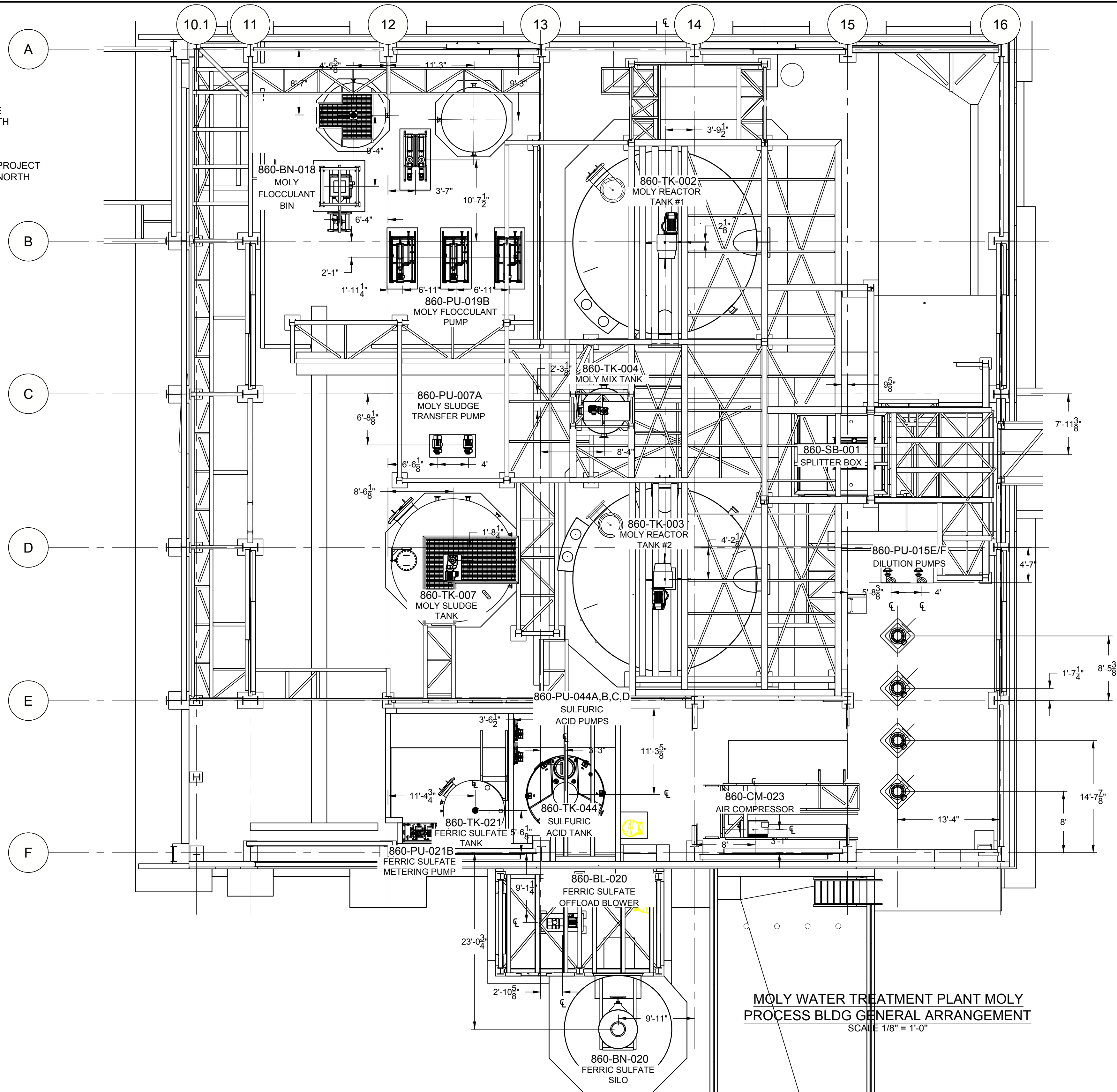
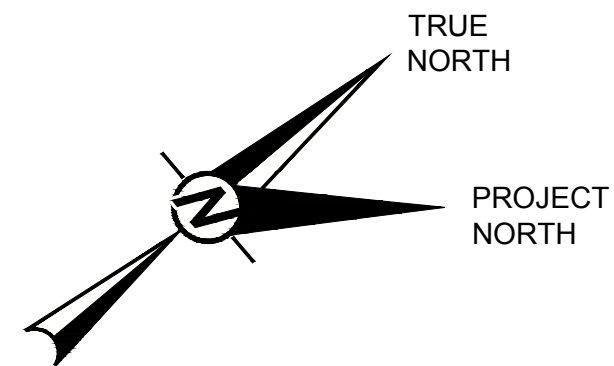
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PROJECT
CLIMAX MINE
MOLYBDENUM REMOVAL WATER TREATMENT PLANT

TITLE
**TIE-POINT 1 & 7 PERSPECTIVE VIEW
PDWTP METALS REMOVAL BUILDING (841)**

PROJECT NO. 1912808404 REV. 0 of 860-1A-G-126 DRAWING

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MOLY WATER TREATMENT PLANT MOLY
PROCESS BLDG GENERAL ARRANGEMENT
SCALE 1/8" = 1'-0"



NOTE(S)

SEAL

CLIENT

Climax Molybdenum
A Freeport-McMoRan Company

CLIMAX, COLORADO
FREMONT PASS

CONSULTANT

GOLDER
MEMBER OF WSP

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PROJECT

CLIMAX MINE
MOLYBDENUM REMOVAL WATER TREATMENT PLANT

TITLE

**MOLY WATER TREATMENT PLANT
MOLY PROCESS BLDG GENERAL
ARRANGEMENT**

PROJECT NO.
1912808404

REV.
0

of
DRAWING

861-1A-G-100

0 2022-04-12 ISSUED FOR CONSTRUCTION

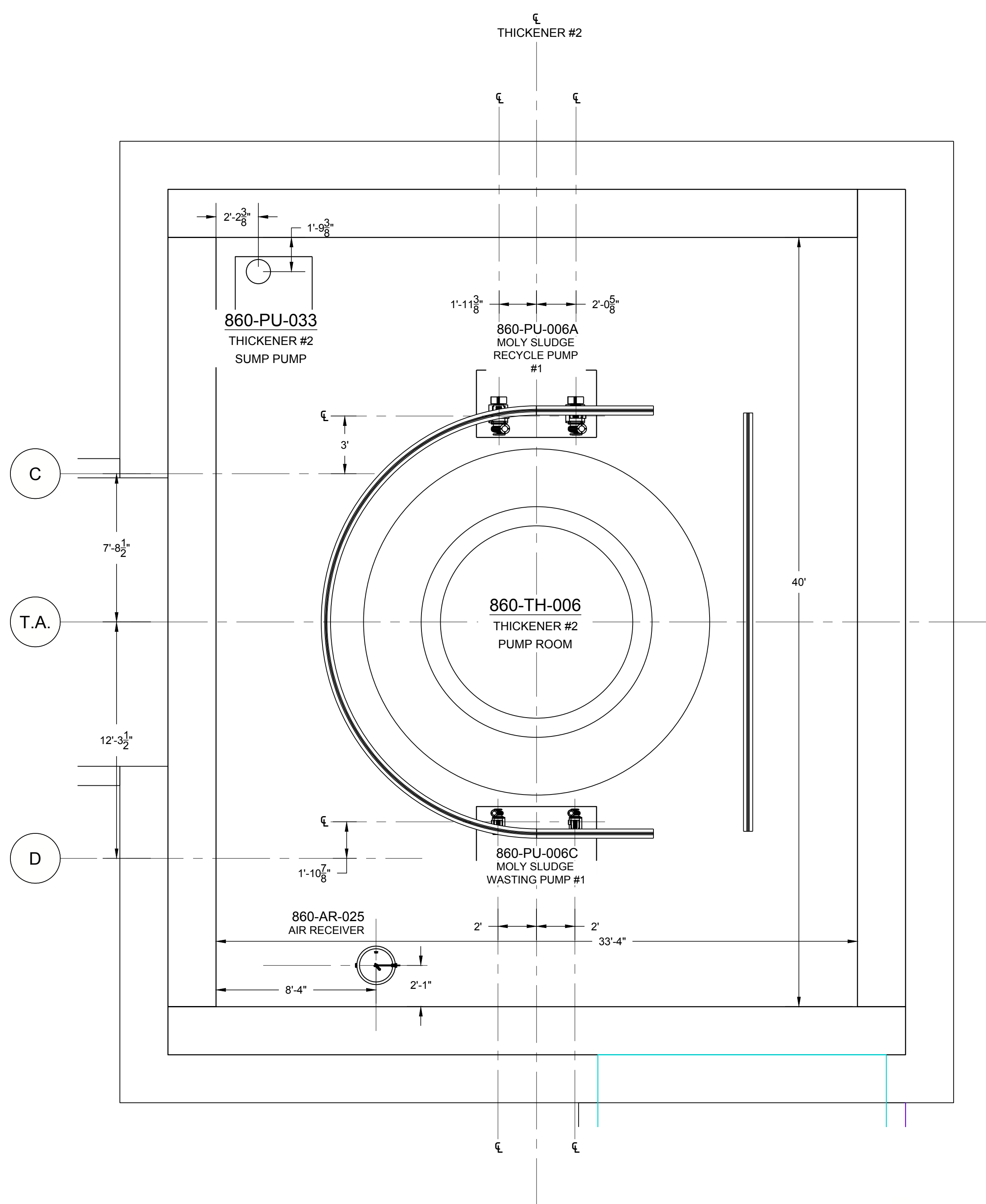
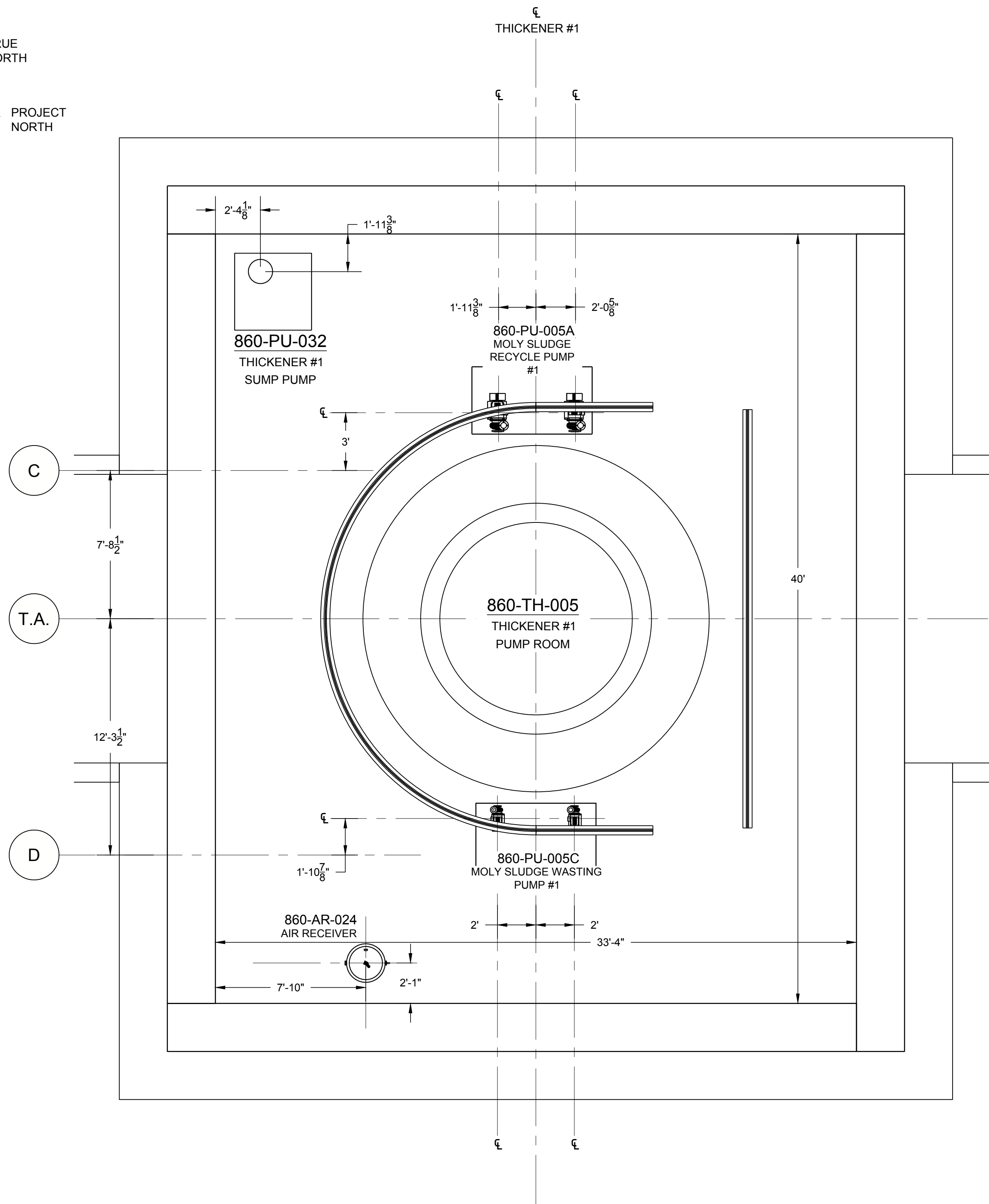
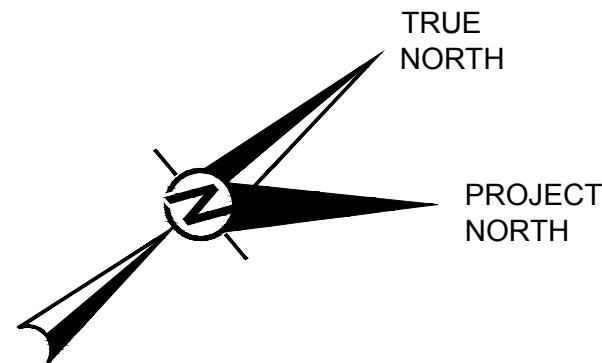
REV. YYYY-MM-DD DESCRIPTION

JCS EPB CAB EPB

PREPARED DESIGNED REVIEWED APPROVED



IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D



MOLY THICKENERS UNDERFLOW
PUMP ROOMS GENERAL ARRANGEMENT
SCALE 1/4" = 1'-0"



0	2022-04-12	ISSUED FOR CONSTRUCTION	JCS	EPB	CAB	EPB
REV.	YYYY-MM-DD	DESCRIPTION	PREPARED	DESIGNED	REVIEWED	APPROVED

SEAL



CLIENT



CLIMAX, COLORADO
FREMONT PASS

CONSULTANT



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PROJECT

CLIMAX MINE
MOLYBDENUM REMOVAL WATER TREATMENT PLANT

TITLE

MOLY THICKENERS UNDERFLOW
PUMP ROOMS GENERAL ARRANGEMENT

PROJECT NO.
1912808404

REV.

0

of

864-1A-G-100

DRAWING

1 in