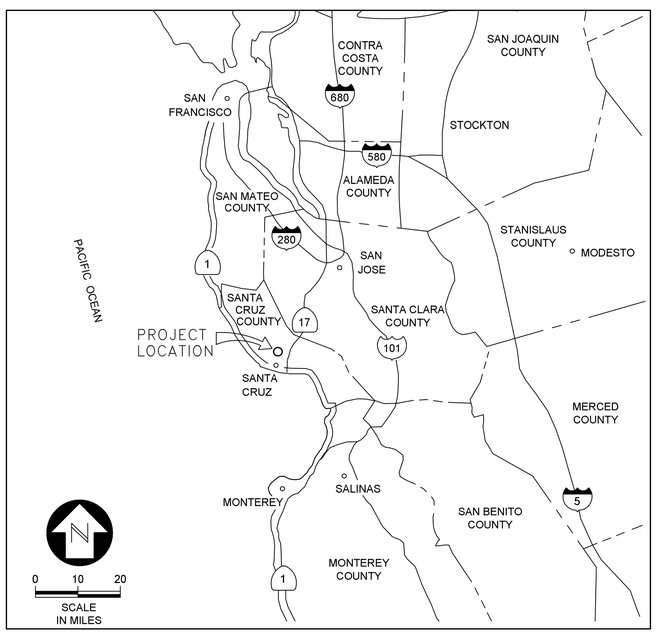
CITY OF SANTA CRUZ, CALIFORNIA

GRAHAM HILL WATER TREATMENT PLANT FACILITY IMPROVEMENTS PROJECT

ADMIN-OPS AND MAINTENANCE BUILDINGS - PLANNING DEPARTMENT PERMITS PLAN SET



VICINITY MAP

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FEBRUARY 2024

AECOM W.M. LYLES CO.
a joint venture

PROJECT

GRAHAM HILL WATER TREATMENT PLANT - FACILITY IMPROVEMENTS PROJECT
715 Graham Hill Rd,
Santa Cruz, CA 95060
APN 060-141-05

OWNER

CITY OF SANTA CRUZ WATER DEPARTMENT
212 Locust St Ste A,
Santa Cruz, CA 95060
Phone: (831) 420-5200

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REGISTRATION

REGISTERED PROFESSIONAL ENGINEER
J. GABRIEL PERIGAULT
No. 68471
CIVIL
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	L. HAYROYAN
Drawn By:	L. HAYROYAN
Dept Check:	N/A
Proj Check:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	AS NOTED

DISCIPLINE

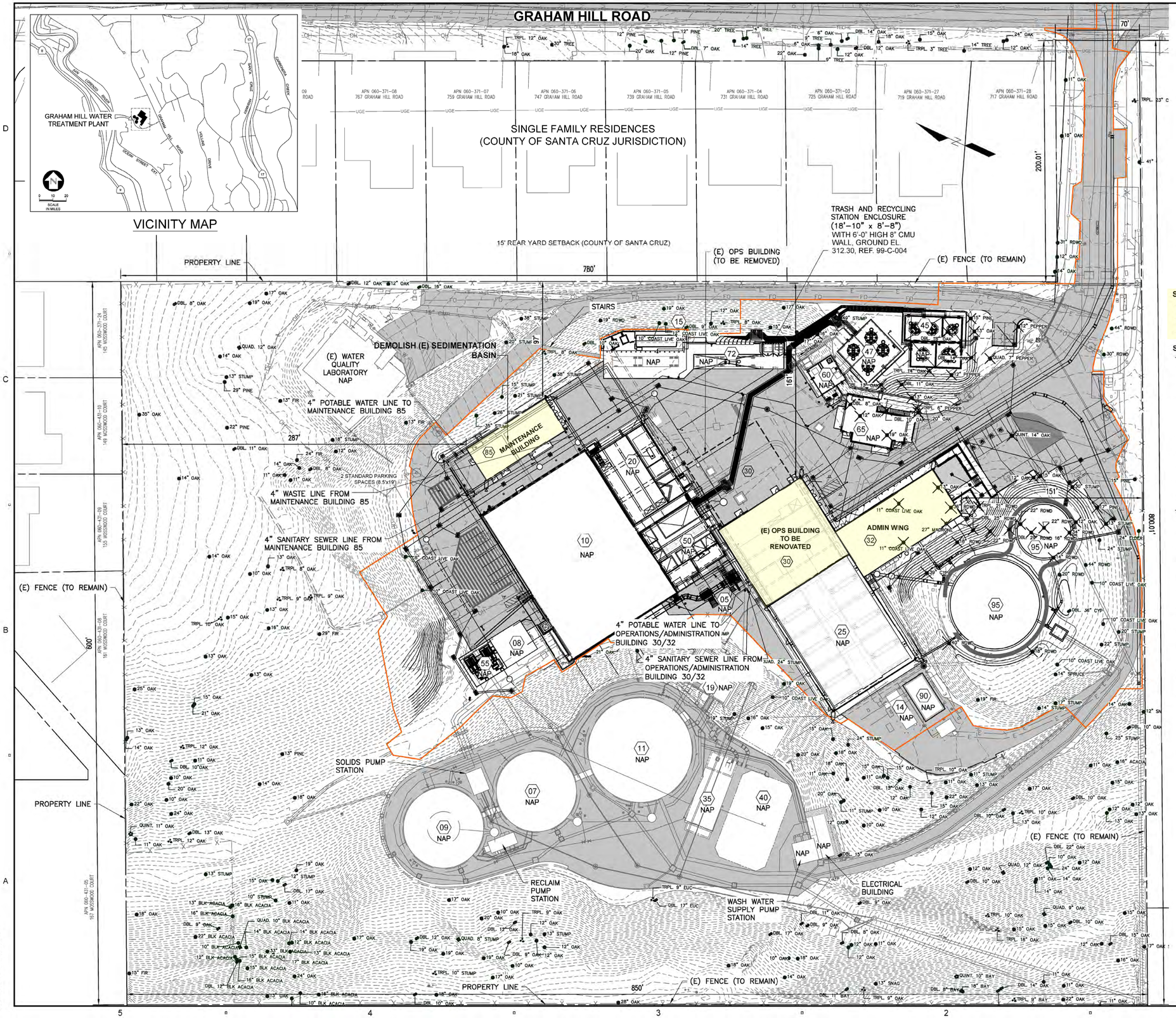
GENERAL

SHEET TITLE

COVER SHEET

SHEET NUMBER

00-G-001 PAGE 1 OF 27



LEGEND

- TREE LOCATION (FROM SITE PLAN - KEY MAP, SHEET 99-C-100, DECEMBER 2022) (EXAMPLE DBL 12" OAK)
- REMOVE TREE
- CONSTRUCTION LIMITS
- PROPERTY LINE
- FENCE LINE
- PROPOSED CONTOURS
- EXISTING CONTOURS
- ROADWAY LUMINAIRE
- BUILDING/STRUCTURE THAT IS NOT A PART OF PLANNING PERMIT — NAP

NOTES

1. BUILDING SETBACK (SIDE YARD) - 10 FEET.
2. SEE SITE PIPING PLANS FOR DETAILED INFORMATION ON EXISTING AND PROPOSED UTILITIES.

STRUCTURE DESIGNATION

STRUCTURES FOR PLANNING DEPT. REVIEW:

- 30 OPERATIONS BUILDING (EXISTING)
- 32 ADMINISTRATION BUILDING (PROPOSED)
- 85 MAINTENANCE BUILDING (PROPOSED)

STRUCTURES NOT A PART OF PERMIT (NAP):

-EXISTING STRUCTURES & USES:

- 07 RECLAIM TANK (EXISTING) - NAP
- 08 LAMELLA CLARIFIERS (EXISTING) - NAP
- 09 SOLIDS STORAGE TANK (EXISTING) - NAP
- 10 SEDIMENTATION BASINS (EXISTING) - NAP
- 11 TREATED WATER STORAGE TANK (EXISTING) - NAP
- 14 STAND-BY GENERATOR (EXISTING) - NAP
- 19 FILTERED WATER TANK INLET STRUCTURE (EXISTING) - NAP
- 25 FILTERS BUILDING (EXISTING) - NAP
- 47 CHEMICAL STORAGE (EXISTING) - NAP
- 90 ELECTRICAL BUILDING (EXISTING) - NAP

-PROPOSED STRUCTURES:

- 05 RAPID AND INDUCTION MIXING STRUCTURES - NAP
- 15 LOX TANK AND VAPORIZERS - NAP
- 20 OZONE BUILDING - NAP
- 35 GAC INFLUENT PUMP STATION (FUTURE) - NAP
- 40 GAC ADSORBERS (FUTURE) - NAP
- 42 UV FACILITY (FUTURE) - NAP
- 45 CHEMICAL STORAGE - NAP
- 50 CHEMICAL DAY TANKS BUILDING - NAP
- 55 LAMELLA CLARIFIERS - NAP
- 60 THICKENED SOLIDS EQUALIZATION TANK AND PUMPING STATION - NAP
- 65 DEWATERING BUILDING - NAP
- 72 CHEMICAL UNLOADING PAD - NAP
- 95 WASH WATER STORAGE TANKS - NAP

PARKING SUMMARY:

STANDARD SPACES (10'x19')	=> 5
STANDARD SPACES (9'x19')	=> 2
STANDARD SPACES (8.5'x19')	=> 19
ADA SPACES (9.5'x19')	=> 2
ADA SPACE (8.5'x19')	=> 1
COMPACT SPACES (9'x18')	=> 13
COMPACT SPACES (7.5'x16')	=> 1
TOTAL PARKING SPACES	**=> 43**

0 20' 40' 80'
SCALE: 1" = 40'

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a joint venture

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OWNER

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REGISTRATION

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	BB
Drawn By:	AR
Dept Check:	LR
Proj Check:	G. PERIGAULT
Date:	JANUARY 2024
Scale:	1" = 40'

DISCIPLINE

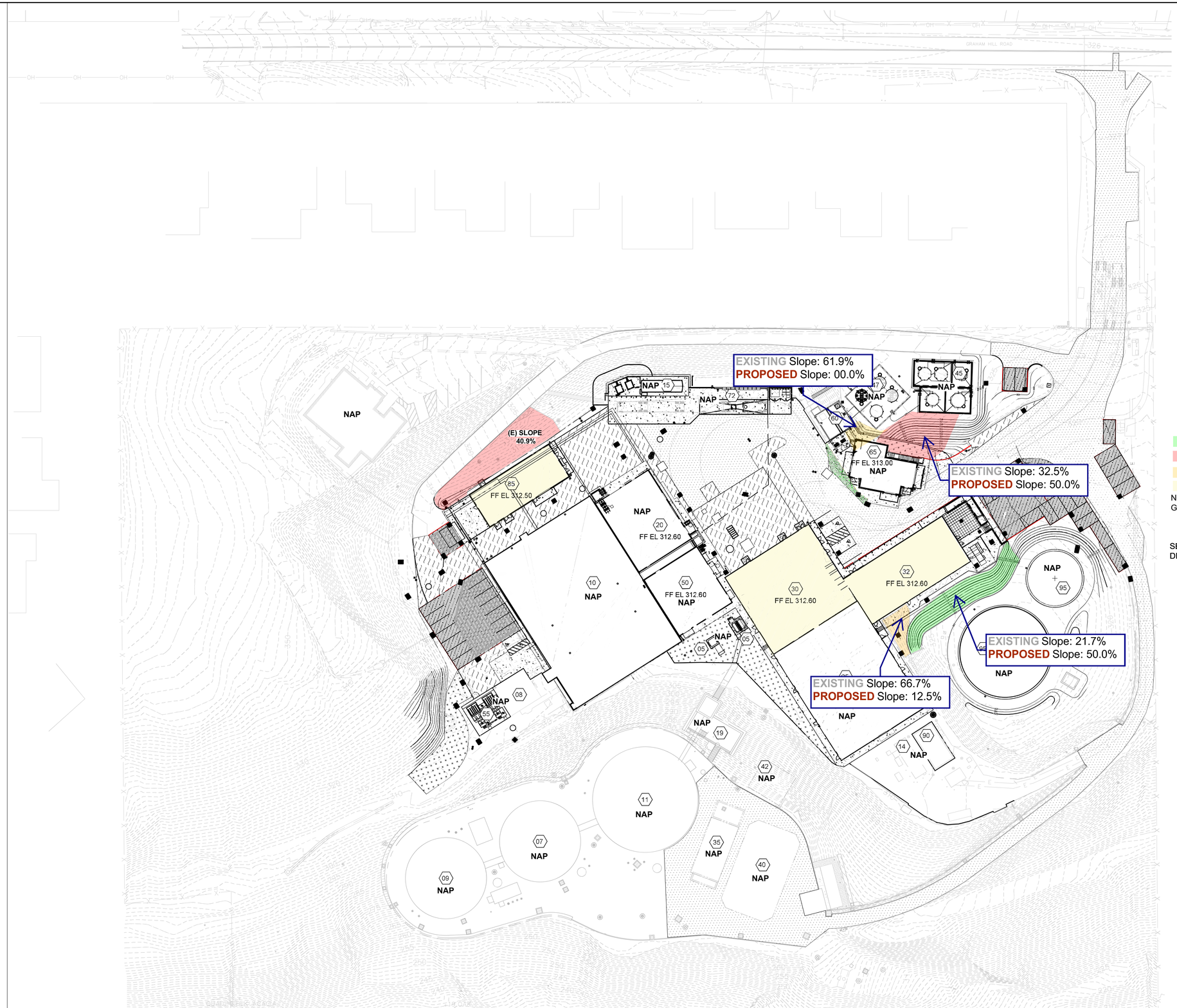
CIVIL

SHEET TITLE

PLANNING SUBMITTAL SITE PLAN

SHEET NUMBER

00-C-100-P PAGE 2 OF 27



LEGEND

- GRIND/REMOVE AND OVERLAY AC (3") (TI =6.5)
- NEW POROUS AC (4") OVER 4" PERM AB OVER 18" BALLAST (TI = 5)
- NEW AC (4") OVER AB (10") (TI = 6.5)
- NEW REINFORCED CONCRETE (EQUIP PADS, ADA PARKING, SIDEWALKS, AND LANDINGS)
- GRAVEL DRIVE
- CONCRETE PAVERS
- RIPRAP
- NEW VERTICAL CURB (AT PARKING AND SIDEWALK)
- NEW FLUSH CURB (PERIMETER OF POROUS AC)
- AREA REQUIRING REGRADING FROM EXISTING TO MAKE PLANNED BUILDING FUNCTIONAL
- PROPOSED CONTOURS
- EXISTING CONTOURS
- NAP — NOT A PART OF PERMIT
- EXISTING 20% - 29% SLOPE
- EXISTING 30% - 49% SLOPE
- EXISTING 50%+ SLOPE
- STRUCTURE TO BE PERMITTED

NET LOT AREA - 1.5 ACRES
GROSS LOT AREA - 4.4 ACRES

SEE SITE PLAN FOR STRUCTURE DESIGNATION LEGEND

NOTES:

1. SEE AREA DESIGNATION KEY PLAN ON SHEET 00-C-004 FOR STRUCTURE DESIGNATION.
2. ALL PERMANENT AND TEMPORARY STANDARD AND COMPACT SPACES TO HAVE 4" WIDE WHITE STRIPING.

0 20' 40' 80'
SCALE: 1" = 40'

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THOMAS M. SWEET
No. 58265
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ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	WT
Drawn By:	MW
Dept Check:	LR
Proj Check:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	1" = 40'

DISCIPLINE

CIVIL

SHEET TITLE

TOPOGRAPHIC MAP

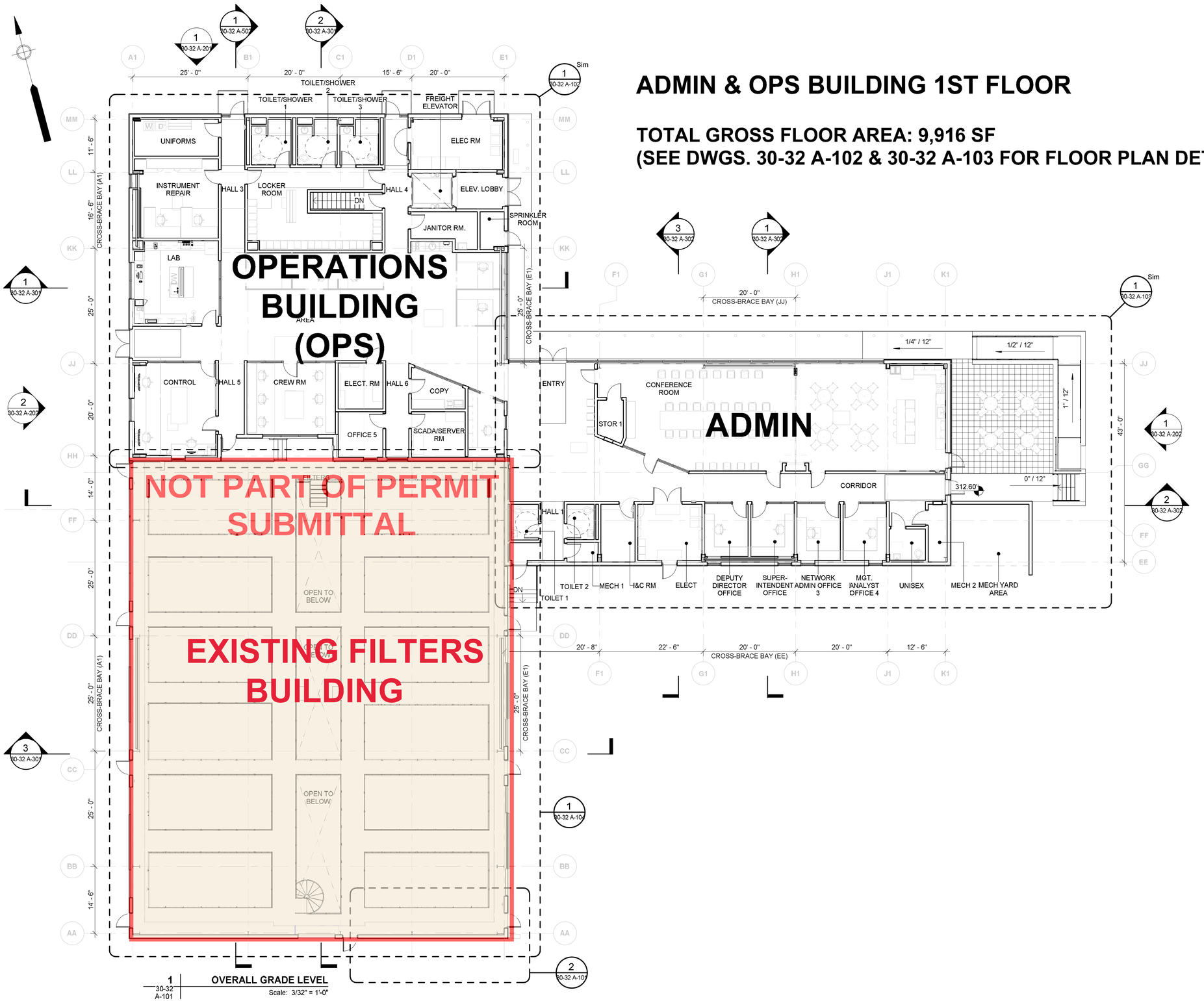
SHEET NUMBER

00-C-113a

PATH/FILENAME: C:\USERS\RADUA\DC\ACCDOCS\AECOM\60667213-GHWTP FIP\PROJECT FILES\910-CAD_BIM\20 SHEETS\C\00-C-113-C-123.DWG
LAST UPDATE: 12/15/2023 9:31:04 PM
PLOT DATE: 1/10/2024 11:31:25 AM

ADMIN & OPS BUILDING 1ST FLOOR

TOTAL GROSS FLOOR AREA: 9,916 SF
(SEE DWGS. 30-32 A-102 & 30-32 A-103 FOR FLOOR PLAN DETAILS)



1 30-32 A-101 OVERALL GRADE LEVEL
Scale: 3/32" = 1'-0"

0 8' 16' 24'

AECOM W.M. LYLES CO. a joint venture

PROJECT

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REGISTRATION

LICENSED ARCHITECT WILLIAM D. GORYL No. 17596 STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	W. GORYL
Drawn By:	M. PICONE
Dept Check:	G.OTTERSON
Approved by:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	As indicated

DISCIPLINE

ARCHITECTURAL

SHEET TITLE

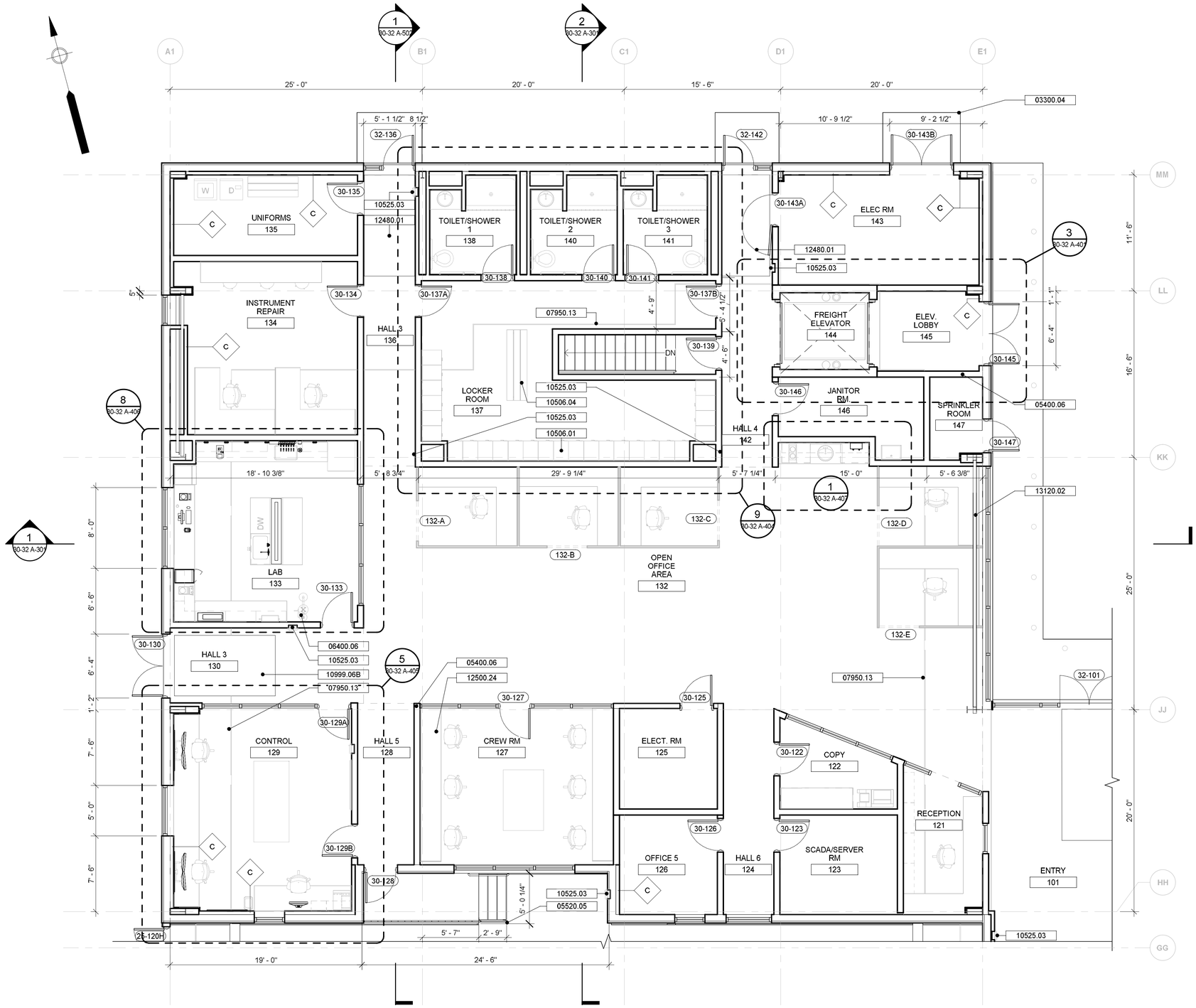
ADMIN & OPS BUILDING - OVERALL GRADE LEVEL FLOOR PLAN

SHEET NUMBER

30-32 A-101 PAGE 4 OF 27

PATH/FILENAME: Autodesk Docs://60667213-GHWTP FIP/30-32-A-Admin & Operations Buildings.rvt
LAST UPDATE: 12/13/2023 12:44:26 PM
PLOT DATE: 12/13/2023 12:44:26 PM

60667213



KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
03300.04	CONCRETE ENTRANCE PAD, SEE STRUCTURAL DWGS
05520.05	SIDE MOUNTED ALUMINUM GUARDRAIL
06400.06	PLASTIC LAMINATE COUNTER AND BACKSPLASH
07950.13	EXPANSION GAP, SEE STRUCTURAL
10506.01	METAL LOCKERS
10506.04	MOVABLE ACCESSIBLE LOCKER BENCH - 48" X 24"
10525.03	RECESSED FIRE EXTINGUISHER
12500.24	F-24 WORK SURFACE
13120.02	PRE-ENGINEERED METAL STRUCTURE CROSS BRACING

ROOM SCHEDULE	
NO.	DESCRIPTION
121	RECEPTION
122	COPY ROOM
123	SCADA/SERVER ROOM
124	HALL 6
125	ELECTRIC ROOM
126	OFFICE 5
127	CREW ROOM
128	HALL 5
129	CONTROL ROOM
130	HALL 3
132	OPEN OFFICE AREA
132-A	CUBICLE A
132-B	CUBICLE B
132-C	CUBICLE C
132-D	OFFICE D
132-E	OFFICE E
133	LAB
134	INSTRUMENT REPAIR
135	UNIFORMS
136	HALL 3
137	LOCKER ROOM
138	TOILET/SHOWER 1
140	TOILET/SHOWER 2
141	TOILET/SHOWER 3
142	HALL 4
143	ELECTRIC ROOM
144	FREIGHT ELEVATOR
145	ELEVATOR LOBBY
146	JANITOR ROOM
147	SPRINKLER ROOM

1 30-32 A-102 **ENLARGED GRADE LEVEL - OPS**
Scale: 3/16" = 1'-0"

OPS BUILDING

GROSS FLOOR AREA: 5867.55 SF

NOTE: ALL EXISTING WALLS TO BE REMOVED, WALLS SHOWN ARE NEW.

0 3' 6' 12'

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PROJECT

GRAHAM HILL WATER TREATMENT PLANT - FACILITY IMPROVEMENTS PROJECT

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APN 060-141-05

OWNER

CITY OF SANTA CRUZ WATER DEPARTMENT

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No. 17596
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	W. GORYL
Drawn By:	M. PICONE
Dept Check:	G.OTTERSON
Approved by:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	3/16" = 1'-0"

DISCIPLINE

ARCHITECTURAL

SHEET TITLE

ADMIN & OPS BUILDING - GRADE LEVEL ENLARGED FLOOR PLAN 1

SHEET NUMBER

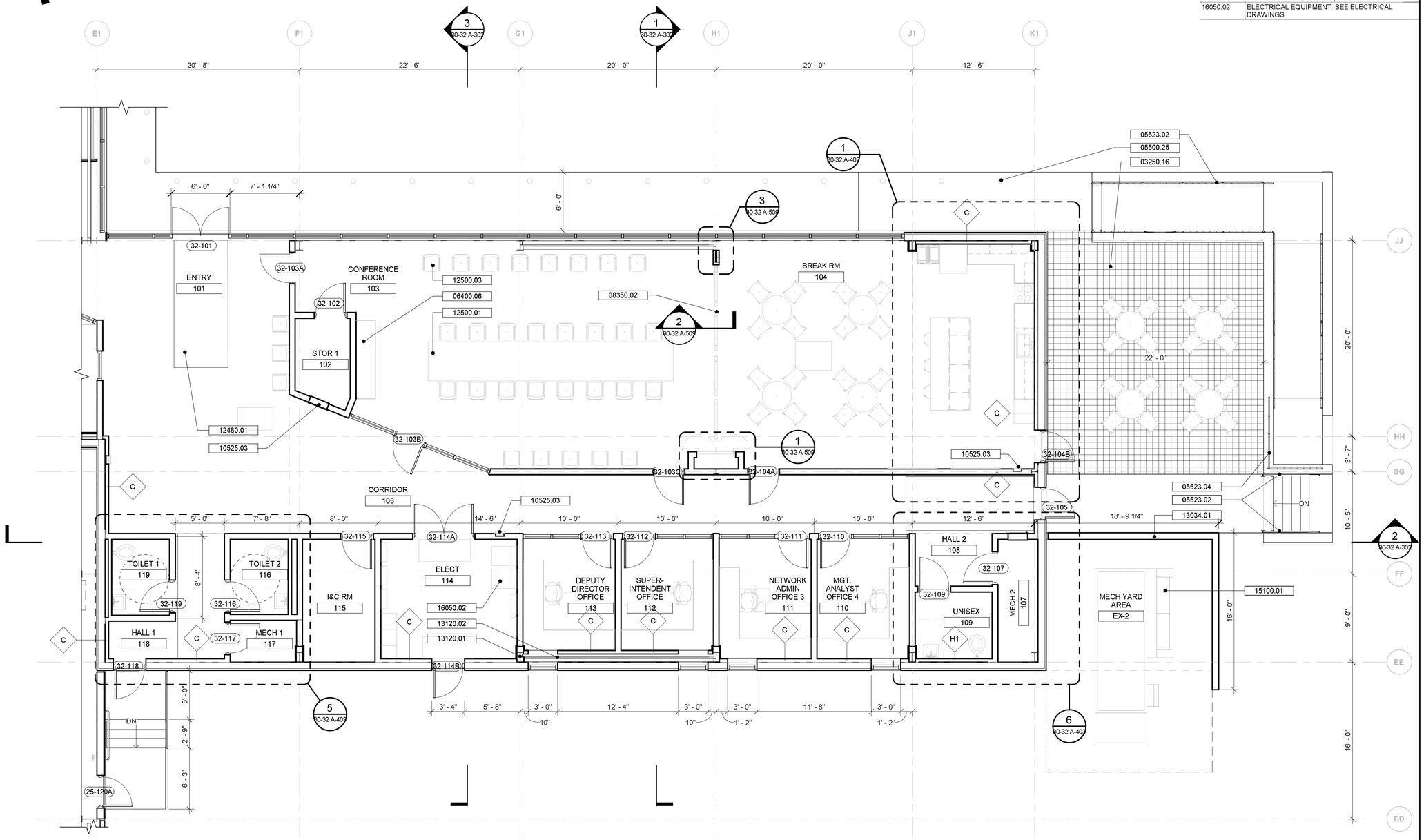
30-32 A-102 PAGE 5 OF 27

PATH/FILENAME: Autodesk Docs://60667213-GHWTP FIP/30-32-A-Admin & Operations Buildings.rvt
LAST UPDATE: 12/13/2023 12:44:26 PM
PLOT DATE: 12/13/2023 12:44:26 PM

60667213

ROOM SCHEDULE					
NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
101	ENTRY	109	UNISEX RESTROOM	115	INSTRUMENTATION & CONTROL ROOM
102	STORAGE ROOM 1	110	MANAGEMENT ANALYST OFFICE 4	116	TOILET 2
103	CONFERENCE ROOM	111	NETWORK ADMINISTRATOR OFFICE 3	117	MECHANICAL ROOM 1
105	CORRIDOR	112	SUPERINTENDENT OFFICE	118	HALL 1
107	MECHANICAL ROOM 2	113	DEPUTY DIRECTOR OFFICE	119	TOILET 1
108	HALL 2	114	ELECTRIC ROOM		

KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
03250.16	CONCRETE PAVERS
05500.25	BOLLARDS, SEE CIVIL DRAWINGS
06400.06	PLASTIC LAMINATE COUNTER AND BACKSPLASH
08350.02	MULTIPANEL FOLDING ALUMINUM FRAMED INSULATED FABRIC DOORS
10525.03	RECESSED FIRE EXTINGUISHER
12500.01	F-1 CONFERENCE ROOM TABLE
12500.03	F-3 MID-BACK DESK CHAIR(S)
13034.01	ACOUSTIC WALL
13120.01	PRE-ENGINEERED METAL STRUCTURE
13120.02	PRE-ENGINEERED METAL STRUCTURE CROSS BRACING
15100.01	MECHANICAL EQUIPMENT, SEE HVAC DRAWINGS
16050.02	ELECTRICAL EQUIPMENT, SEE ELECTRICAL DRAWINGS



ADMIN BUILDING

GROSS FLOOR AREA: 4048.45 SF

NOTE: ALL WALLS ARE NEW.

ENLARGED GRADE LEVEL - ADMIN

30-32 A-103

Scale: 3/16" = 1'-0"

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REGISTRATION

LICENSED ARCHITECT WILLIAM D. GORYL No. 17596 STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	W. GORYL
Drawn By:	M. PICONE
Dept Check:	G.OTTERSON
Approved by:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	3/16" = 1'-0"

DISCIPLINE

ARCHITECTURAL

SHEET TITLE

ADMIN & OPS BUILDING - GRADE LEVEL ENLARGED FLOOR PLAN 2

SHEET NUMBER

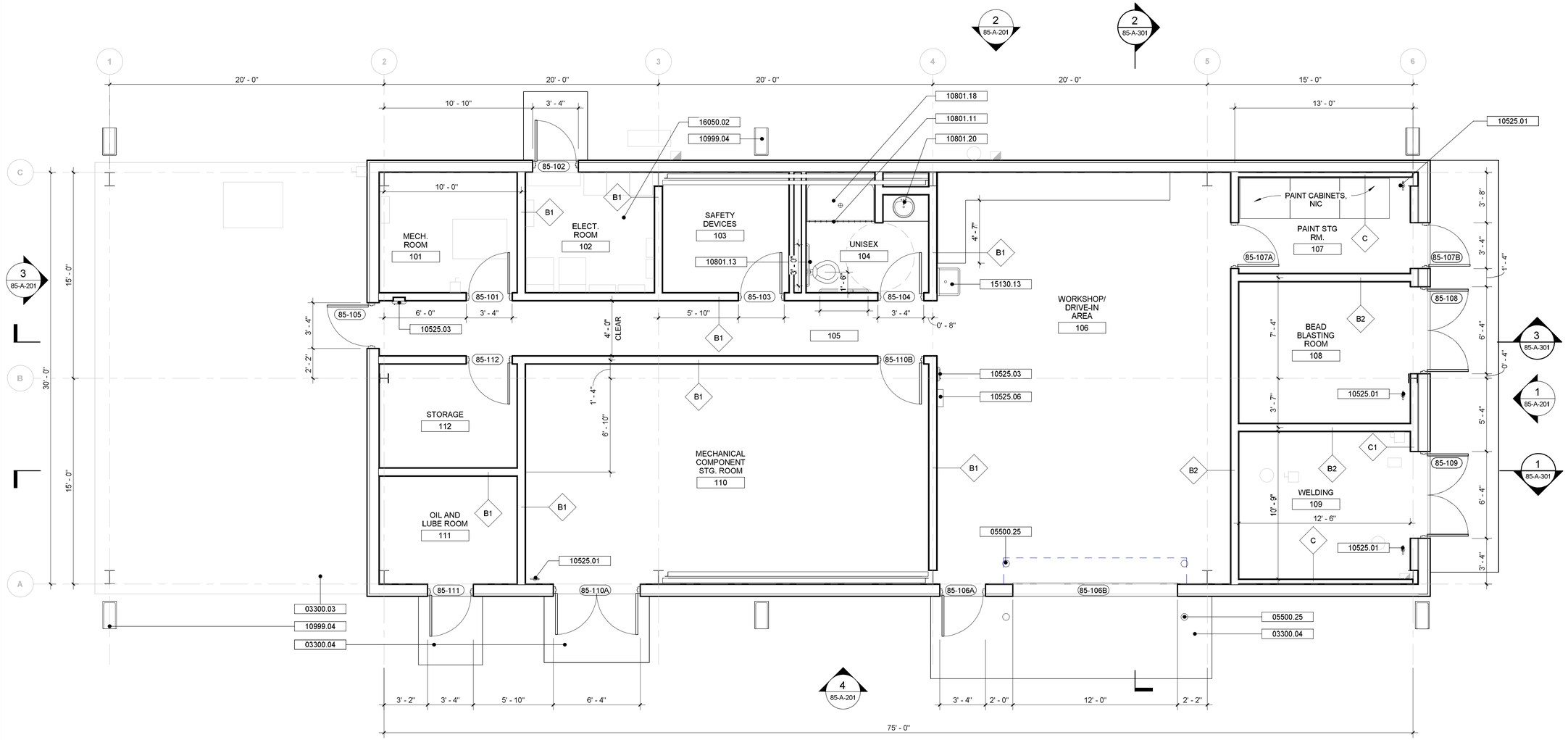
30-32 A-103 PAGE 6 OF 27

PATH/FILENAME: Autodesk Docs://60667213-GHWTP FIP/30-32-A-Admin & Operations Buildings.rvt
LAST UPDATE: 12/13/2023 12:44:27 PM
PLOT DATE: 12/13/2023 12:44:27 PM

60667213

KEY VALUE	KEYNOTE TEXT
03300.03	CONCRETE PLATFORM, SEE STRUCTURAL DWGS
03300.04	CONCRETE ENTRANCE PAD, SEE STRUCTURAL DWGS
05500.25	BOLLARDS, SEE CIVIL DRAWINGS
10525.01	FIRE EXTINGUISHER
10525.03	RECESSED FIRE EXTINGUISHER
10525.06	FIRST AID BOX
10801.11	SHOWER CURTAIN ROD
10801.13	36" GRAB BAR
10801.18	SHOWER STALL
10801.20	ADA SINK
10999.04	PRECAST CONCRETE SPLASH BLOCK
15130.13	MOP SINK
16050.02	ELECTRICAL EQUIPMENT, SEE ELECTRICAL DRAWINGS

ROOM SCHEDULE			
NO.	DESCRIPTION	NO.	DESCRIPTION
101	MECHANICAL ROOM	107	PAINT STORAGE ROOM
102	ELECTRICAL ROOM	108	BEAD BLASTING ROOM
103	SAFETY DEVICES STORAGE ROO,M	109	WELDING ROOM
104	UNISEX RESTROOM	110	MECHANICAL COMPONENT STORAGE ROOM
105	CORRIDOR	111	OIL AND LUBE ROOM
106	WORKSHOP/DRIVE-IN AREA	112	STORAGE



1 | MAINTENANCE BUILDING - GRADE LEVEL PLAN
85-A-101 | Scale: 1/4" = 1'-0"

MAINTENANCE BUILDING

TOTAL GROSS FLOOR AREA: 2,270 SF

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STATE OF CALIFORNIA

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I/R	DATE	DESCRIPTION

PROJECT NUMBER

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Designed By:	M. PICONE
Drawn By:	M. PICONE
Dept Check:	W. GORYL
Approved by:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	1/4" = 1'-0"

DISCIPLINE

ARCHITECTURAL

SHEET TITLE

MAINTENANCE BUILDING - FLOOR PLAN

SHEET NUMBER

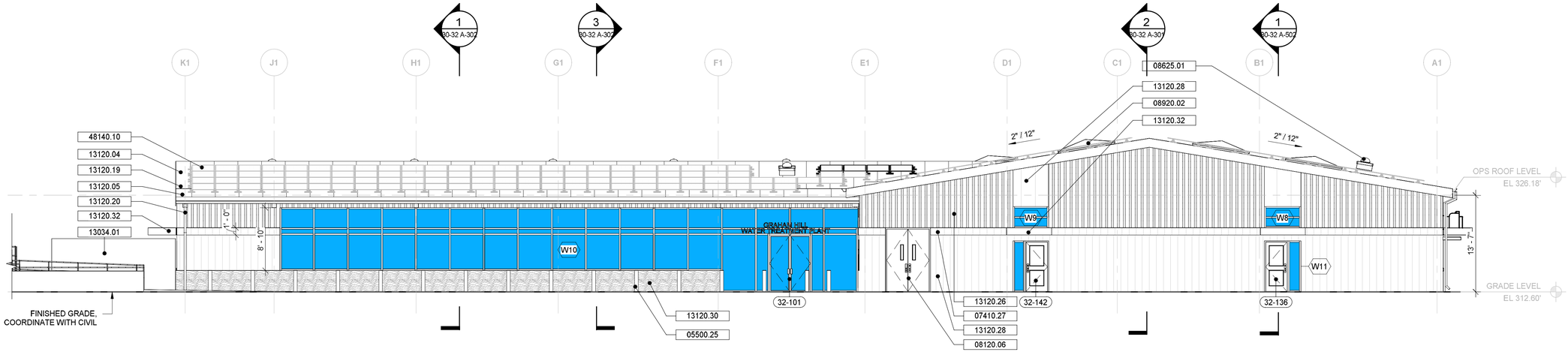
85-A-101

PATH/FILENAME: Autodesk Docs://60667213-GHWTP FIP/85-A-Maintenance Building.rvt
LAST UPDATE: 12/13/2023 11:27:41 AM
PLOT DATE: 12/13/2023 11:27:41 AM

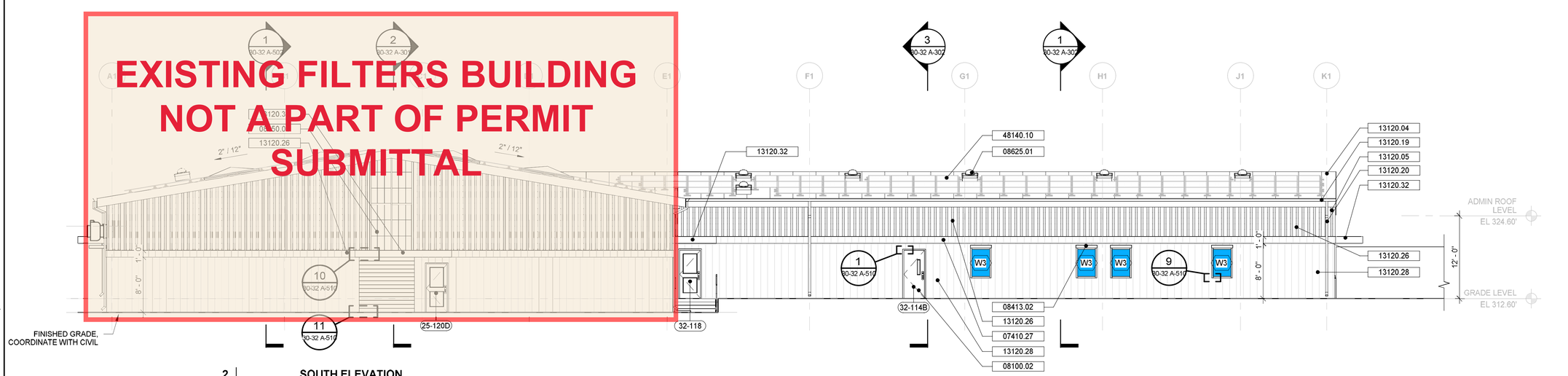
60667213

KEYNOTE LEGEND	
KEY VALUE	**KEYNOTE TEXT**
05500.25	BOLLARDS, SEE CIVIL DRAWINGS
07410.27	PAINTED ALUMINUM CUSTOM TRIM PANEL
08100.02	INSULATED STEEL DOOR WITH GLASS PANEL
08413.02	ALUMINUM SUNSHADE
08625.01	TUBULAR DAYLIGHT DEVICE
08920.02	TRANSLUCENT SKYLIGHTS
13034.01	ACOUSTIC WALL
13120.04	FACTORY FINISHED STANDING SEAM METAL ROOF OVER INSULATION
13120.05	FACTORY FINISHED METAL FASCIA
13120.19	FACTORY FINISHED GUTTER
13120.20	FACTORY FINISHED DOWNSPOUT
13120.26	METAL PANEL RIBBED ON 8" GIRTS, INSULATED, VAPOR RETARDER
13120.28	METAL PANEL SMOOTH ON 8" GIRTS, INSULATED, VAPOR RETARDER
13120.30	METAL PANEL WAVE ON 8" GIRTS, INSULATED, VAPOR RETARDER
13120.32	CANOPY BY PEMB MFR, TYP.
48140.10	SOLAR ENERGY COLLECTORS (PVC PANELS)

REFERENCE VISUAL SIMULATION ON PAGE 11 FOR PROPOSED EXTERIOR WALL COLOR



1 30-32 A-201 **NORTH ELEVATION**
Scale: 1/8" = 1'-0"



2 30-32 A-201 **SOUTH ELEVATION**
Scale: 1/8" = 1'-0"

0 4' 8' 16'

AECOM W.M. LYLES CO.
a joint venture

PROJECT

GRAHAM HILL WATER TREATMENT PLANT - FACILITY IMPROVEMENTS PROJECT

715 Graham Hill Rd,
Santa Cruz, CA 95060
APN 060-141-05

OWNER

CITY OF SANTA CRUZ WATER DEPARTMENT

212 Locust St Ste A
Santa Cruz, CA 95060
PHONE: (831) 420-5200

ENGINEER

AECOM TECHNICAL SERVICES, INC.
250 APOLLO DRIVE
CHELMSFORD, MA 01824
PHONE: (978) 905-2100
www.aecom.com

AECOM TECHNICAL SERVICES, INC.
2020 L STREET
SACRAMENTO, CA 95811
PHONE: (916) 414-5800
www.aecom.com

CONSULTANTS

KENNEDY JENKS (Design assistance)
275 Battery Street, Suit 550
San Francisco, CA 94111
www.kennedyjenks.com

BOWMAN & WILLIAMS (Surveyor)
3949 Research Park Court, Suit 100
Soquel, CA 95073
www.bowmanandwilliams.com

REGISTRATION

LICENSED ARCHITECT
WILLIAM D. GORYL
No. 17596
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	W. GORYL
Drawn By:	M. PICONE
Dept Check:	G.OTTERSON
Approved by:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	1/8" = 1'-0"

DISCIPLINE

ARCHITECTURAL

SHEET TITLE

ADMIN & OPS BUILDING - ELEVATIONS I

SHEET NUMBER

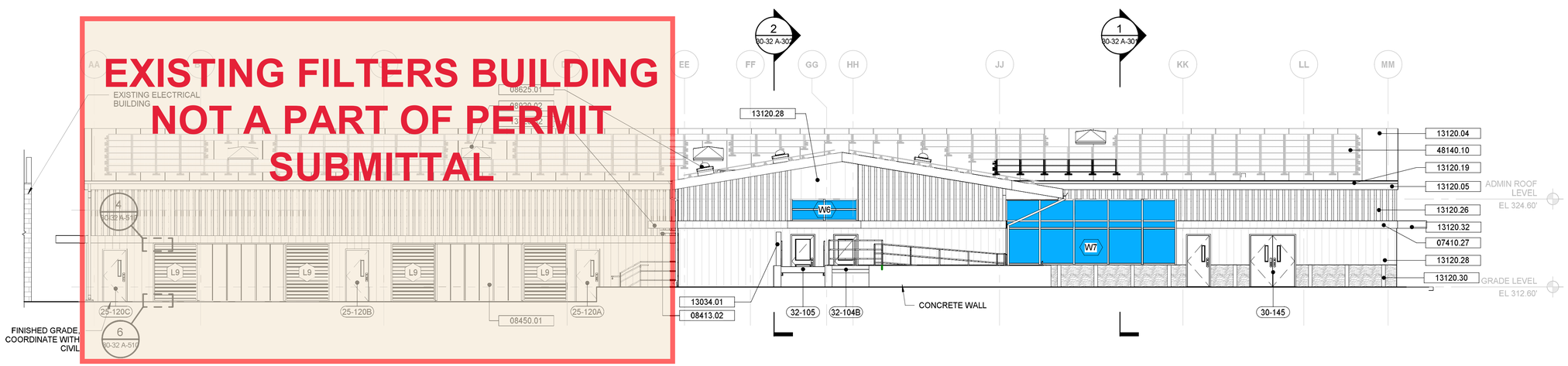
30-32 A-201 PAGE 8 OF 27

PATH/FILENAME: Autodesk Docs://60667213-GHWTP F/P/30-32-A-Admin & Operations Buildings.rvt
LAST UPDATE: 12/13/2023 12:45:23 PM
PLOT DATE: 12/13/2023 12:45:23 PM

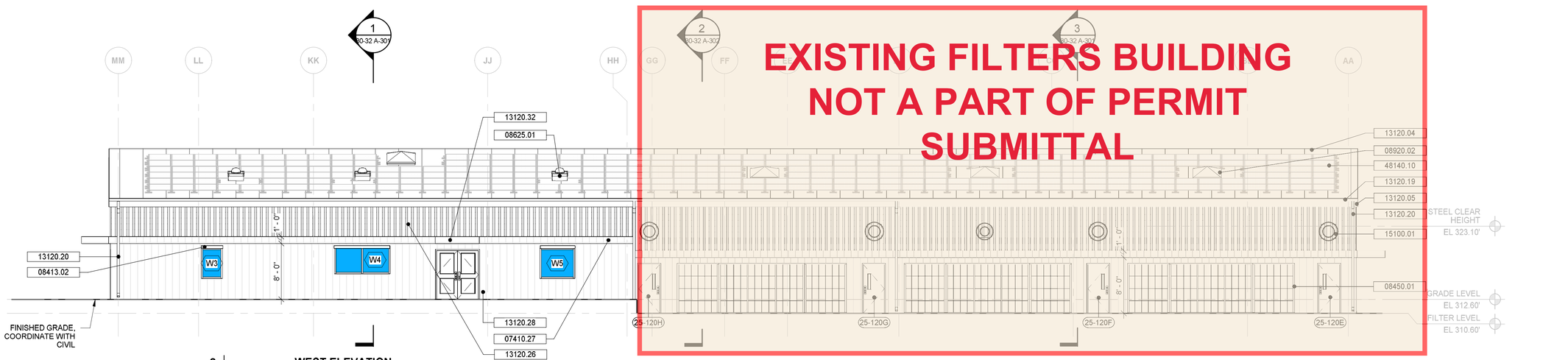
60667213

KEYNOTE LEGEND	
KEY VALUE	**KEYNOTE TEXT**
07410.27	PAINTED ALUMINUM CUSTOM TRIM PANEL
08413.02	ALUMINUM SUNSHADE
08625.01	TUBULAR DAYLIGHT DEVICE
08920.02	TRANSLUCENT SKYLIGHTS
13034.01	ACOUSTIC WALL
13120.04	FACTORY FINISHED STANDING SEAM METAL ROOF OVER INSULATION
13120.05	FACTORY FINISHED METAL FASCIA
13120.19	FACTORY FINISHED GUTTER
13120.20	FACTORY FINISHED DOWNSPOUT
13120.26	METAL PANEL RIBBED ON 8" GIRTS, INSULATED, VAPOR RETARDER
13120.28	METAL PANEL SMOOTH ON 8" GIRTS, INSULATED, VAPOR RETARDER
13120.30	METAL PANEL WAVE ON 8" GIRTS, INSULATED, VAPOR RETARDER
13120.32	CANOPY BY PEMB MFR, TYP.
15100.01	MECHANICAL EQUIPMENT, SEE HVAC DRAWINGS
48140.10	SOLAR ENERGY COLLECTORS (PVC PANELS)

REFERENCE VISUAL SIMULATION ON PAGE 11 FOR PROPOSED EXTERIOR WALL COLOR



1 30-32 A-202 **EAST ELEVATION**
Scale: 1/8" = 1'-0"



2 30-32 A-202 **WEST ELEVATION**
Scale: 1/8" = 1'-0"

0 4' 8' 16'

AECOM W.M. LYLES CO.
a joint venture

PROJECT

GRAHAM HILL WATER TREATMENT PLANT - FACILITY IMPROVEMENTS PROJECT

715 Graham Hill Rd,
Santa Cruz, CA 95060
APN 060-141-05

OWNER

CITY OF SANTA CRUZ WATER DEPARTMENT

212 Locust St Ste A
Santa Cruz, CA 95060
PHONE: (831) 420-5200

ENGINEER

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BOWMAN & WILLIAMS (Surveyor)
3949 Research Park Court, Suit 100
Soquel, CA 95073
www.bowmanandwilliams.com

REGISTRATION

LICENSED ARCHITECT
WILLIAM D. GORYL
No. 17596
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	W. GORYL
Drawn By:	M. PICONE
Dept Check:	G.OTTERSON
Approved by:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	1/8" = 1'-0"

DISCIPLINE

ARCHITECTURAL

SHEET TITLE

ADMIN & OPS BUILDING - ELEVATIONS II

SHEET NUMBER

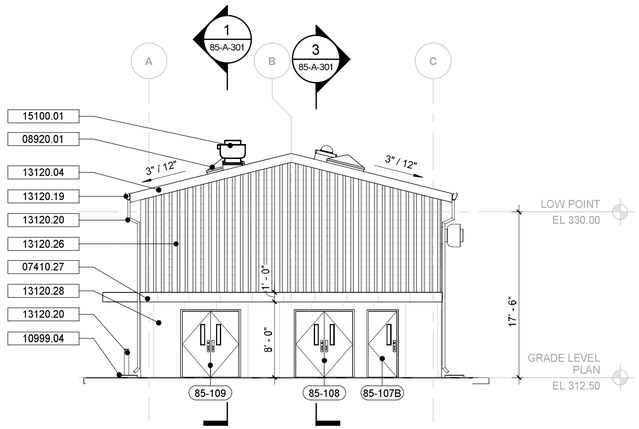
30-32 A-202 PAGE 9 OF 27

PATH/FILENAME: Autodesk Docs://60667213-GHWTP FIP/30-32-A-Admin & Operations Buildings.rvt
LAST UPDATE: 12/13/2023 1:11:15 PM
PLOT DATE: 12/13/2023 1:11:15 PM

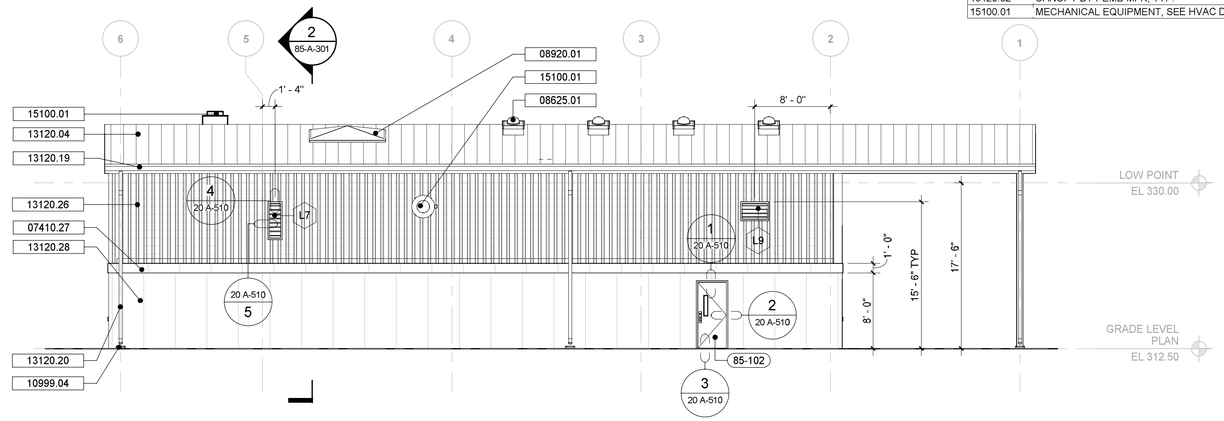
60667213

MAINTENANCE BUILDING WILL HAVE SAME COLOR AS ADMIN & OPS BUILDING - REFERENCE VISUAL SIMULATION ON PAGE FOR PROPOSED EXTERIOR WALL COLOR

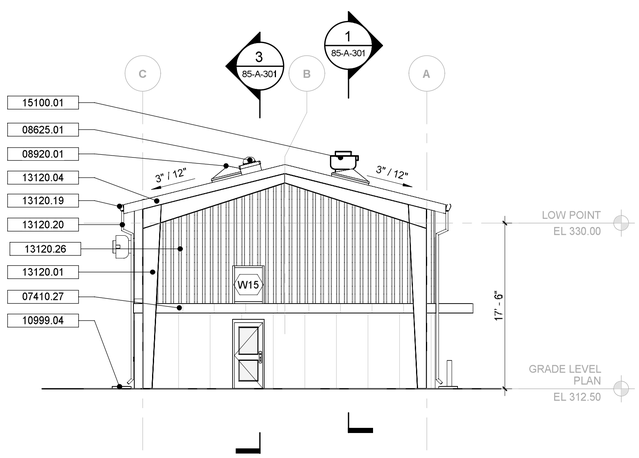
KEY VALUE	KEYNOTE TEXT
07410.27	PAINTED ALUMINUM CUSTOM TRIM PANEL
08625.01	TUBULAR DAYLIGHT DEVICE
08920.01	TRANSLUCENT REMOVABLE SKYLIGHTS
10999.04	PRECAST CONCRETE SPLASH BLOCK
13120.01	PRE-ENGINEERED METAL STRUCTURE
13120.04	FACTORY FINISHED STANDING SEAM METAL ROOF OVER INSULATION
13120.19	FACTORY FINISHED GUTTER
13120.20	FACTORY FINISHED DOWNSPOUT
13120.26	METAL PANEL RIBBED ON 8" GIRTS, INSULATED, VAPOR RETARDER
13120.28	METAL PANEL SMOOTH ON 8" GIRTS, INSULATED, VAPOR RETARDER
13120.32	CANOPY BY PEMB MFR, TYP.
15100.01	MECHANICAL EQUIPMENT, SEE HVAC DRAWINGS



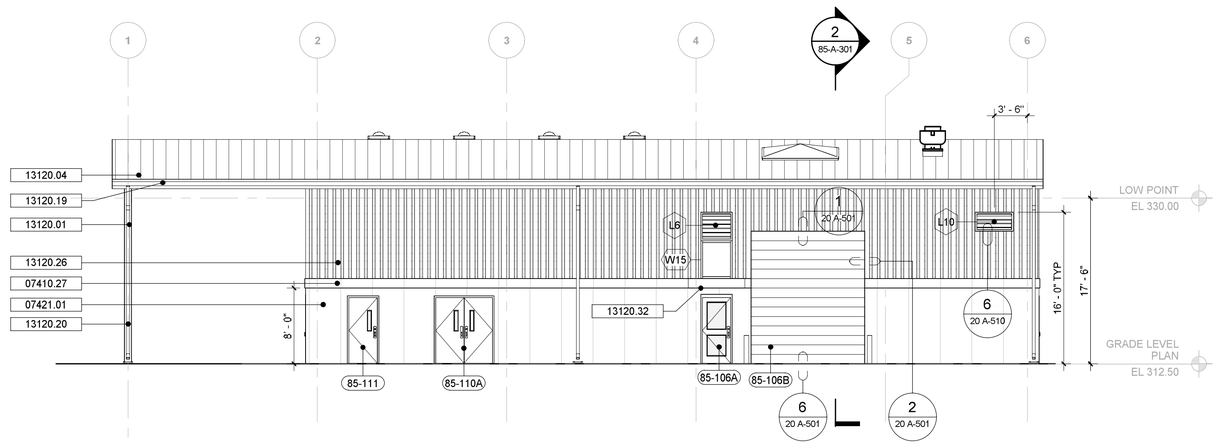
1 | MAINTENANCE BUILDING - NORTH ELEVATION
85-A-201 | Scale: 1/8" = 1'-0"



2 | MAINTENANCE BUILDING - WEST ELEVATION
85-A-201 | Scale: 1/8" = 1'-0"



3 | MAINTENANCE BUILDING - SOUTH ELEVATION
85-A-201 | Scale: 1/8" = 1'-0"



4 | MAINTENANCE BUILDING - EAST ELEVATION
85-A-201 | Scale: 1/8" = 1'-0"

0 4' 8' 16'

AECOM W.M. LYLES CO.
a joint venture

PROJECT

GRAHAM HILL WATER TREATMENT PLANT - FACILITY IMPROVEMENTS PROJECT

715 Graham Hill Rd,
Santa Cruz, CA 95060
APN 060-141-05

OWNER

CITY OF SANTA CRUZ WATER DEPARTMENT

212 Locust St Ste A
Santa Cruz, CA 95060
PHONE: (831) 420-5200

ENGINEER

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BOWMAN & WILLIAMS (Surveyor)
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Soquel, CA 95073
www.bowmanandwilliams.com

REGISTRATION

LICENSED ARCHITECT
WILLIAM D. GORYL
No. 17596
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	M. PICONE
Drawn By:	M. PICONE
Dept Check:	W. GORYL
Approved by:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	1/8" = 1'-0"

DISCIPLINE

ARCHITECTURAL

SHEET TITLE

MAINTENANCE BUILDING - ELEVATIONS

SHEET NUMBER

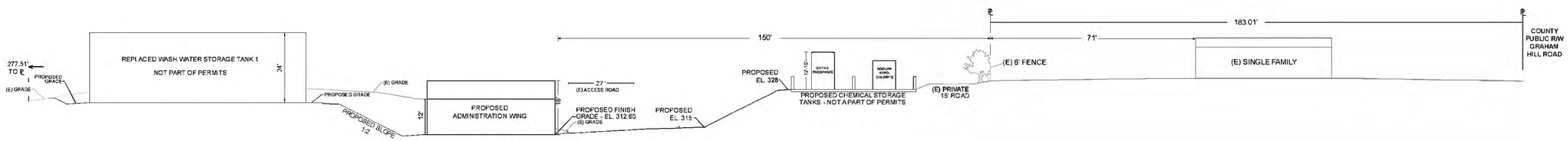
85-A-201

PATH/FILENAME: Autodesk Docs://60667213-GHWTP F/P/85-A-Maintenance Building.rvt
LAST UPDATE: 12/13/2023 11:27:43 AM
PLOT DATE: 12/13/2023 11:27:43 AM

60667213

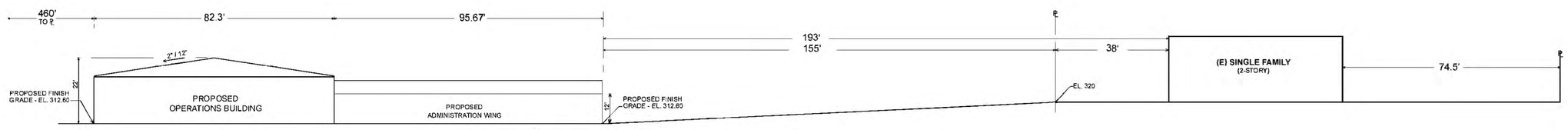
VISUAL SIMULATION OF PROPOSED PROJECT AT ENTRY GATE SHOWING 10 YEARS OF VEGETATIVE GROWTH AND ADMIN. BUILDING

VISUAL SIMULATION OF PROPOSED PROJECT FROM POGONIP OPEN SPACE LOOKOUT TRAIL



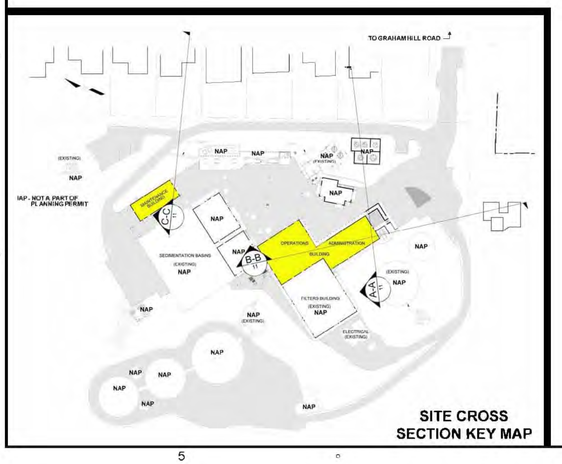
A-A ADMINISTRATION WING SITE SECTION

SCALE: 0 5 10 15 20 30 40

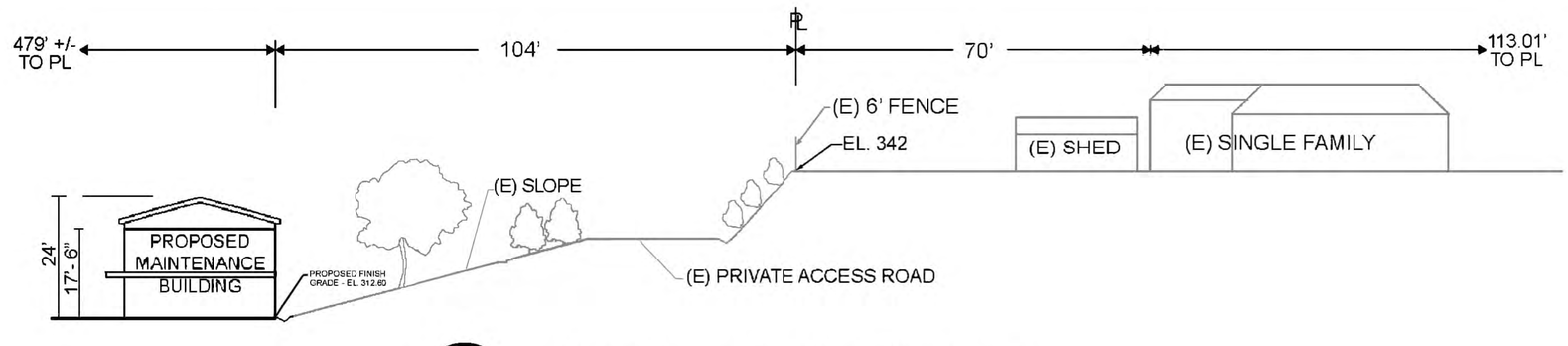


B-B ADMIN/OPS BUILDING SITE SECTION

0 5 10 20 30 40
SCALE



SITE CROSS SECTION KEY MAP



C-C Maintenance Building Site Section

SCALE: 1" = 15'

AECOM W.M. LYLES CO. a joint venture

PROJECT

GRAHAM HILL WATER TREATMENT PLANT - FACILITY IMPROVEMENTS PROJECT

715 Graham Hill Rd,
Santa Cruz, CA 95060
APN 060-141-05

OWNER

CITY OF SANTA CRUZ WATER DEPARTMENT

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PHONE: (831) 420-5200

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BOWMAN & WILLIAMS (Surveyor)
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Soquel, CA 95073
www.bowmanandwilliams.com

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	W. GORYL
Drawn By:	
Dept Check:	
Approved by:	G. PERIGAULT
Date:	
Scale:	

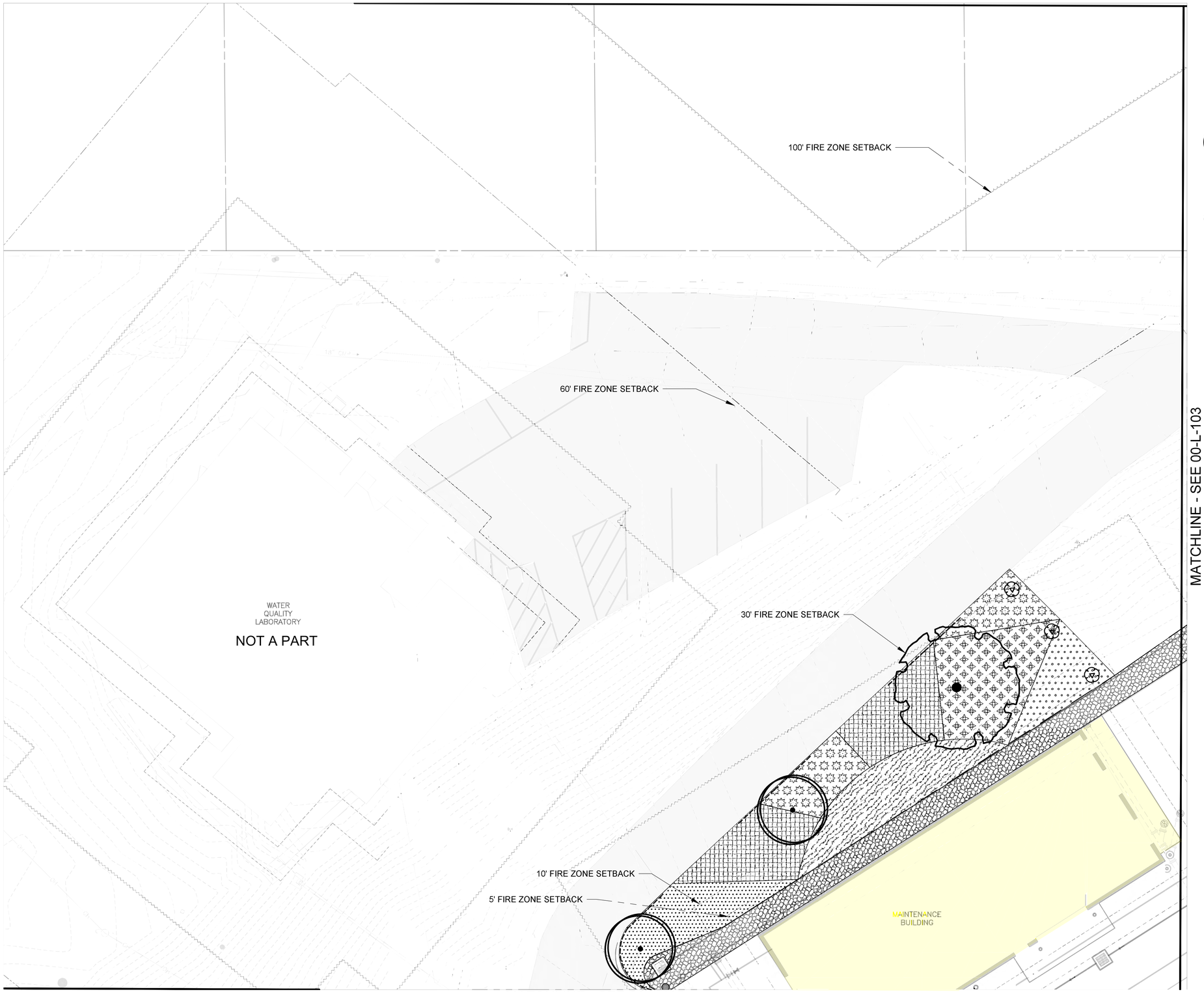
PLANNING DEPT. PERMIT APPLICATION

SHEET TITLE

ADMIN/OPS BUILDING & MAINTENANCE BUILDING CONTEXT & BUILDING AND SITE SECTIONS

SHEET NUMBER

60667213



LEGEND

- NEW TREES SEE 00.L-110 -PLANT SCHEDULE FOR SYMBOLS AND SPECIES
- NEW SHRUBS SEE 00-L-110 -PLANT SCHEDULE FOR SYMBOLS AND SPECIES
- NEW GROUNDCOVER PLANTS SEE 00-L-110 -PLANT SCHEDULE FOR SYMBOLS AND SPECIES
- EXISTING TREES CANOPY TO REMAIN; SEE DEMOLITION PLANS 00-CD-100 FOR TREES TO REMAIN AND BE PROTECTED.
- TRUNKS OF EXISTING TREESTO REMAIN; SEE DEMOLITION PLANS 00-CD-100 FOR TREES TO REMAIN AND BE PROTECTED.
- NEW STEEL EDGING; SEE DETAIL L-_____ FOR ADDITIONAL INFORMATION
- NEW ROOT BARRIER; SEE DETAIL L-_____ FOR ADDITIONAL INFORMATION
- AC PAVING SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION
- NEW BONDED FIBER MATRIX; SEE DETAIL L-_____ FOR ADDITIONAL INFORMATION
- NEW COIR LOGS; SEE DETAIL L-_____ FOR ADDITIONAL INFORMATION
- NEW GRAVEL; SEE DETAIL L-_____ FOR ADDITIONAL INFORMATION
- NEW COBBLE GROUNDCOVER; SEE DETAIL L-_____ FOR ADDITIONAL INFORMATION
- 5' FIRE ZONE SET BACK- IMMEDIATE ZONE: 0'-5' NO FLAMMABLE MATERIALS: PLANT, MULCH, LEAVES OR NEEDLES.
- 10' FIRE ZONE SET BACK- INTERMEDIATE ZONE: 5'-10' NO FLAMMABLE VEGETATION, GROUNDCOVER UP TO 4" HIGH, SHRUBS UNDER 18" HIGH AND TWO MATURE WIDTHS APART, TREES 18' MIN. APART FROM OTHER TREES.
- 30' FIRE ZONE SET BACK- INTERMEDIATE ZONE: 10'-30' NO FLAMMABLE VEGETATION, GROUNDCOVER UP TO 4" HIGH, SHRUBS UP TO 18" HIGH AND TWO MATURE WIDTHS APART, TREES 18' MIN. APART FROM OTHER TREES.
- 60' FIRE ZONE SET BACK- INTERMEDIATE ZONE: 30'-60' NO FLAMMABLE VEGETATION, GROUNDCOVER UP TO 18" HIGH, SHRUBS UP TO 60" HIGH AND TWO MATURE WIDTHS APART, TREES 12' MIN. APART FROM OTHER TREES.
- 100' FIRE ZONE SET BACK- EXTENDED ZONE: 60'-100' NO FLAMMABLE VEGETATION, GROUNDCOVER UP TO 18" HIGH, NO HEIGHT LIMIT ON SHRUBS AND ONE MATURE WIDTH APART, TREES 6' MIN. APART FROM OTHER TREES.

AECOM
a joint venture

PROJECT

GRAHAM HILL WATER TREATMENT PLANT - FACILITY IMPROVEMENTS PROJECT
715 Graham Hill Rd,
Santa Cruz, CA 95060
APN 060-141-05

OWNER

CITY OF SANTA CRUZ WATER DEPARTMENT
212 Locust St Ste A,
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Phone: (831) 420-5200

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BOWMAN & WILLIAMS *(Surveyor)*
3949 Research Park Court, Suite 100
Soquel, CA 95073
www.bowmanandwilliams.com

REGISTRATION

LICENSED LANDSCAPE ARCHITECT
JIRI GEORGE STRNAD, NO. LA 4298
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	GS
Drawn By:	MO
Dept Check:	GS
Proj Check:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	1" = 10'

DISCIPLINE

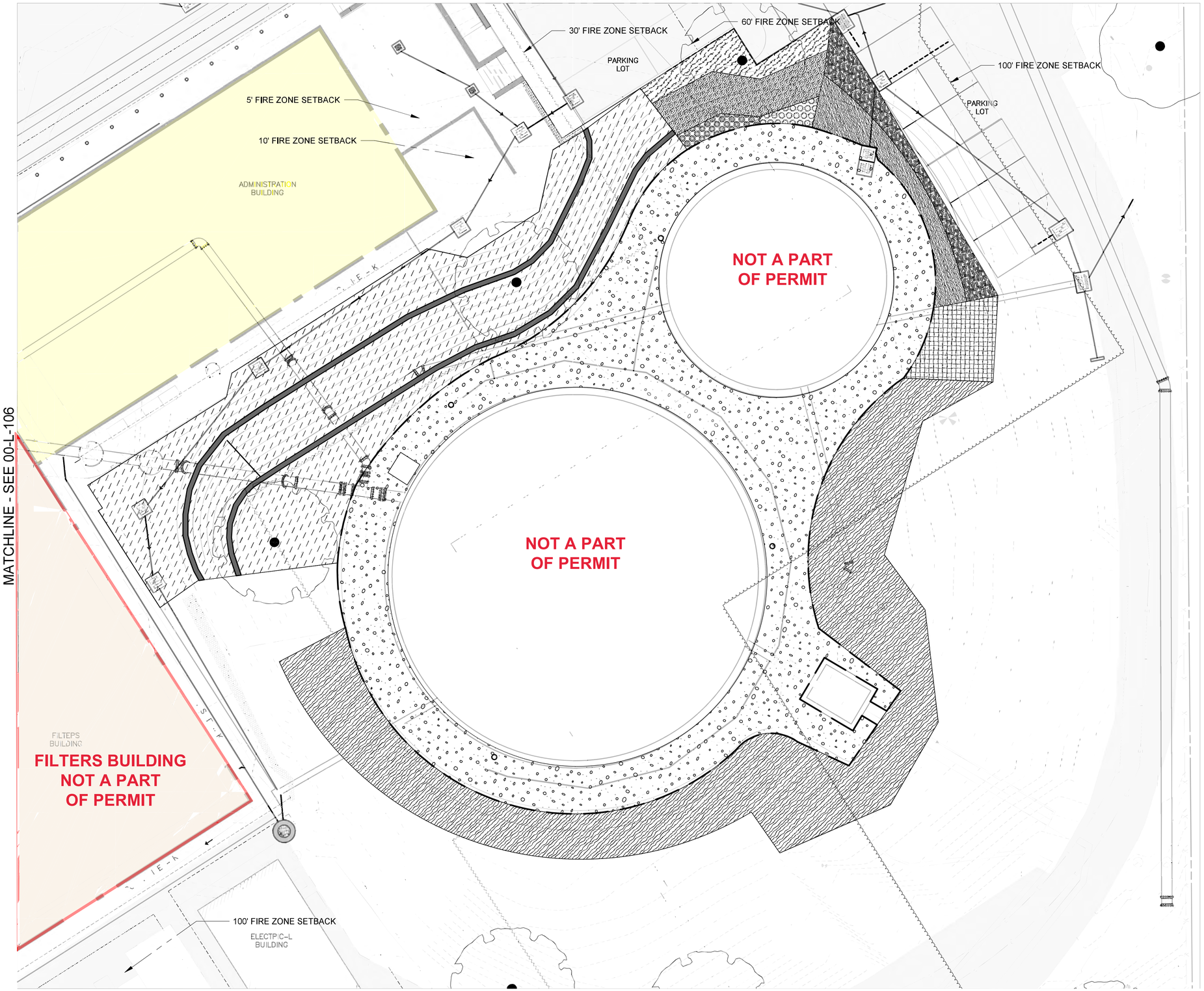
LANDSCAPE

SHEET TITLE

LANDSCAPE PLAN 2 OF 10

SHEET NUMBER

00-L-102



LEGEND

- NEW TREES SEE 00.L-110 -PLANT SCHEDULE FOR SYMBOLS AND SPECIES
- NEW SHRUBS SEE 00-L-110 -PLANT SCHEDULE FOR SYMBOLS AND SPECIES
- NEW GROUNDCOVER PLANTS SEE 00-L-110 -PLANT SCHEDULE FOR SYMBOLS AND SPECIES
- EXISTING TREES CANOPY TO REMAIN; SEE DEMOLITION PLANS 00-CD-100 FOR TREES TO REMAIN AND BE PROTECTED.
- TRUNKS OF EXISTING TREESTO REMAIN; SEE DEMOLITION PLANS 00-CD-100 FOR TREES TO REMAIN AND BE PROTECTED.
- NEW STEEL EDGING; SEE DETAIL L-_____ FOR ADDITIONAL INFORMATION
- NEW ROOT BARRIER; SEE DETAIL L-_____ FOR ADDITIONAL INFORMATION
- AC PAVING SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION
- NEW BONDED FIBER MATRIX; SEE DETAIL L-_____ FOR ADDITIONAL INFORMATION
- NEW COIR LOGS; SEE DETAIL L-_____ FOR ADDITIONAL INFORMATION
- NEW GRAVEL; SEE DETAIL L-_____ FOR ADDITIONAL INFORMATION
- NEW COBBLE GROUNDCOVER; SEE DETAIL L-_____ FOR ADDITIONAL INFORMATION
- 5' FIRE ZONE SET BACK- IMMEDIATE ZONE: 0'-5' NO FLAMMABLE MATERIALS; PLANT, MULCH, LEAVES OR NEEDLES.
- 10' FIRE ZONE SET BACK- INTERMEDIATE ZONE: 5'-10' NO FLAMMABLE VEGETATION, GROUNDCOVER UP TO 4" HIGH, SHRUBS UNDER 18" HIGH AND TWO MATURE WIDTHS APART, TREES 18' MIN. APART FROM OTHER TREES.
- 30' FIRE ZONE SET BACK- INTERMEDIATE ZONE: 10'-30' NO FLAMMABLE VEGETATION, GROUNDCOVER UP TO 4" HIGH, SHRUBS UP TO 18" HIGH AND TWO MATURE WIDTHS APART, TREES 18' MIN. APART FROM OTHER TREES.
- 60' FIRE ZONE SET BACK- INTERMEDIATE ZONE: 30'-60' NO FLAMMABLE VEGETATION, GROUNDCOVER UP TO 18" HIGH, SHRUBS UP TO 60" HIGH AND TWO MATURE WIDTHS APART, TREES 12' MIN. APART FROM OTHER TREES.
- 100' FIRE ZONE SET BACK- EXTENDED ZONE: 60'-100' NO FLAMMABLE VEGETATION, GROUNDCOVER UP TO 18" HIGH, NO HEIGHT LIMIT ON SHRUBS AND ONE MATURE WIDTH APART, TREES 6' MIN. APART FROM OTHER TREES.

AECOM W.M. LYLES CO.
a joint venture

PROJECT

GRAHAM HILL WATER TREATMENT PLANT - FACILITY IMPROVEMENTS PROJECT
715 Graham Hill Rd,
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APN 060-141-05

OWNER

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Soquel, CA 95073
www.bowmanandwilliams.com

REGISTRATION

LICENSED LANDSCAPE ARCHITECT
LICENSE: STRAND, NO. 4 ASLA
10/24/2023
10/24/2023
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	GS
Drawn By:	MO
Dept Check:	GS
Proj Check:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	1" = 10'

DISCIPLINE

LANDSCAPE

SHEET TITLE

LANDSCAPE PLAN
7 OF 10

SHEET NUMBER

00-L-107

PLANT_SCHEDULE

SYMBOL	BOTANICAL / COMMON NAME	SIZE	CONTAINER		REMARKS
TREES					
	ARBUTUS X 'MARINA / MARINA STRAWBERRY TREE	24"	BOX		MULTI–TRUNK FORM
	GARRYA ELLIPTICA / COAST SILKTASSEL	24"	BOX		MULTI–TRUNK FORM
	NOTHOLITHOCARPUS DENSIFLORUS / TAN OAK	24"	BOX		STANDARD FORM
	QUERCUS AGRIFOLIA / COAST LIVE OAK	24"	BOX		STANDARD FORM
	QUERCUS CHRYSOLEPIS / CANYON LIVE OAK	24"	BOX		STANDARD FORM
	QUERCUS PARVULA VAR. SHREVEI / SHREVE OAK	24"	BOX		STANDARD FORM
	UMBELLULARIA CALIFORNICA / BAY LAUREL	24"	BOX		MULTI–TRUNK FORM
LARGE SHRUBS (OVER 60")					
	HETEROMELES ARBUTIFOLIA / TOYON 'DAVIS GOLD'	5 GAL	POT		
MEDIUM SHRUBS (60" OR LESS)					
	FRANGULA CALIFORNICA 'SEAVIEW' / CREEPING COFFEEBERRY	1 GAL	POT		
	POLYSTICHUM MUNITUM / WESTERN SWORD FERN	1 GAL	POT		
PERENNIALS (18" OR LESS)					
	ERIOGONUM LATIFOLIUM / COAST BUCKWHEAT	1 GAL	POT		
	IRIS FERNALDII / FERNALD'S IRIS	1 GAL	POT		
SMALL SHRUBS (18"OR LESS)					
	ACMISPON GLABER / DEERWEED	1 GAL	POT		
	ARTEMISIA PYCNOCEPHALA 'DAVID'S CHOICE' / COASTAL SAGEWORT	1 GAL	POT		
	CEANOTHUS X 'CENTENNIAL' / CENTENNIAL WILD LILAC	1 GAL	POT		

SYMBOL	BOTANICAL / COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS
SHORT GROUNDCOVERS (4" OR LESS)					
	CEANOTHUS THYRSIFLORUS VAR. THYRSIFLORUS 'LOUIS EDMUNDS / CREEPING BLUEBLOSSOM	5 GAL	POT		PLEASE USE CEANOTHUS X 'CENTENNIAL' IF NOT AVAILABLE.
	DUDLEYA FARINOSA / BLUFF LETTUCE	4"	Pot	12" o.c.	
	FRAGARIA CHILOENSIS 'LIPSTICK' / LIPSTICK BEACH STRAWBERRY	FLAT	PLUG	12" o.c.	
	PHYLA NODIFLORA / LIPPIA/KURAPIA	FLAT	PLUG	18" o.c.	
	SEED MIX / ZAYANTE SOIL WARM ASPECT SEED MIX	SEED			BONDED FIBER MATRIX UNDER SEEDING AREAS
	SEED MIX / ZAYANTE SOIL COOL ASPECT SEED MIX	SEED			BONDED FIBER MATRIX UNDER SEEDING AREAS.
	SEED MIX / WARM ASPECT NATIVE SEED MIX	SEED			BONDED FIBER MATRIX UNDER SEEDING AREAS
TALL GROUNDCOVERS (18" OR LESS)					
	ACMISPON GLABER / DEERWEED	1 GAL	POT	18" o.c.	PROSRTATE FORM
	ARCTOSTAPHYLOS EDMUNDSII / CARMEL SUR MANZANITA	1 GAL	POT	36" o.c.	
	ARCTOSTAPHYLOS UVA–URSI 'RADIANT' / RADIANT BEARBERRY MANZANITA	1 GAL	POT	36" o.c.	
	ARCTOSTAPHYLOS X 'PACIFIC MIST' / PACIFIC MIST MANZANITA	1 GAL	POT	36" o.c.	
	ARMERIA MARITIMA SSP. CALIFORNICA / CALIFORNIA SEA THRIFT	FLAT	PLUG	6" o.c.	
	ARTEMISIA PYCNOCEPHALA 'DAVID'S CHOICE' / COASTAL SAGEWORT	4"	POT	12" o.c.	
	CAREX TUMULICOLA / FOOTHILL SEDGE	FLAT	PLUG	24" o.c.	
	CEANOTHUS X 'CENTENNIAL' / CENTENNIAL WILD LILAC	1 GAL	POT	36" o.c.	
	CORETHROGYNE FILAGINIFOLIA 'SILVER CARPET' / CALIFORNIA ASTER	FLAT	PLUG	18" o.c.	
	CROCANTHEMUM SCOPARIUM / RUSH ROSE	1 GAL	POT	12" o.c.	
	EPILOBIUM CANUM 'EVERETT'S CHOICE' / CALIFORNIA FUCHSIA	1 GAL	POT	18" o.c.	
	ERIGERON GLAUCUS 'WAYNE RODERICK' / SEASIDE DAISY	FLAT	PLUG	18" o.c.	
	IRIS DOUGLASIANA / DOUGLAS IRIS 'POINT REYES'	1 GAL	POT	24" o.c.	
	IRIS FERNALDII / FERNALD'S IRIS	4"	POT	24" o.c.	

SCIENTIFIC NAME	COMMON NAME	PLANT TYPE	PLANT AVERAGE SIZE AT MATURITY [FEET]	SALT TOLERANCE	WATER USE	MAINTENANCE	LEAF LITTER PRODUCTION	FRUIT LITTER PRODUCTION	SPENT FLOWER PRODUCTION	POLLEN LEVEL	FLAMMABILITY	EXPOSURE	GROWTH RATE
TREES													
ARBUTUS MARINA	STRAWBERRY TREE	EVERGREEN TREE	30'H X 20'W	MODERATE	LOW	LOW	LOW	HIGH	MODERATE	MODERATE	NON-FLAMMABLE (2)	FULL SUN, PART SHADE	MODERATE, SLOW
GARRYA ELIPTICA	SILK TASSEL	EVERGREEN TREE	12'H X 14'W	MODERATE	LOW	LOW	LOW	MODERATE	MODERATE	MODERATE	NON-FLAMMABLE (1)	FULL SUN, PART SHADE	MODERATE, SLOW
NOTHOLITHOCARPUS DENSIFLORUS	TANBARK OAK	EVERGREEN TREE	50'H X 25'W	MODERATE	LOW	LOW	LOW	LOW	LOW	HIGH	NON-FLAMMABLE (5)	FULL SUN, PART SHADE	MODERATE, SLOW
QUERCUS PARVULA VAR. SHREVEI	SHREVE OAK	EVERGREEN TREE	50'H X 30'W	MODERATE	LOW	LOW	LOW	MODERATE	LOW	MODERATE	NON-FLAMMABLE (5)	FULL SUN, PART SHADE	MODERATE, SLOW
QUERCUS CHRYSOLEPIS	CANYON LIVE OAK	EVERGREEN TREE	40'H X 25'W	MODREATE	LOW	LOW	LOW	MODERATE	LOW	MODERATE	NON-FLAMMABLE (5)	FULL SUN, PART SHADE	MODERATE, SLOW
QUERCUS AGRIFOLIA	COAST LIVE OAK	EVERGREEN TREE	40'H X 25'W	MODERATE	LOW	LOW	LOW	LOW	LOW	MODERATE	NON-FLAMMABLE (1)	FULL SUN, PART SHADE	MODERATE, SLOW
UMBELLULARIA CALIFORNICA	CALIFORNIA BAY LAUREL	EVERGREEN TREE	15'H X 25'W	HIGH	MODERATE	LOW	LOW	LOW	LOW	LOW	NON-FLAMMABLE (1)	FULL SUN, PART SHADE	FAST, MODERATE
SHRUBS													
ACMISPON GLABER	DEERWEED	PERENNIAL SHRUB	18"W X 3'W	HIGH	LOW	MODERATE	LOW	N/A	MODERATE	MODERATE	MODERATLY FLAMMABLE (4)	FULL SUN, PART SHADE	MODERATE
CEANOTHUS X 'CENTENNIAL'	CENTENNIAL WILD LILAC	EVERGREEN SHRUB	1'H X 5'W	HIGH	LOW	LOW	MODERATE	LOW	LOW	LOW	NON-FLAMMABLE (1)	FULL SUN, PART SHADE	MODERATE
FRANGULA CALIFORNICA 'SEAVIEW'	CREEPING COFFEEBERRY	EVERGREEN SHRUB	3'H X 3'W	MODERATE	LOW	LOW	LOW	HIGH	LOW	LOW	NON-FLAMMABLE (1)	FULL SUN, PART SHADE	MODERATE, SLOW
HETEROMELES ARBUTIFOLIA 'DAVIS GOLD'	GOLDEN BERRY TOYON	EVERGREEN SHRUB	10'H X 13'W	HIGH	LOW	LOW	LOW	HIGH	LOW	LOW	NON-FLAMMABLE (4)	FULLSUN, PART SHADE	FAST, MODERATE
SYMPHORICARPOS MOLLIS	CREEPING SNOWBERRY	DECIDUOUS SHRUB	18"H X 3'W	LOW	LOW	LOW	LOW	MODERATE	LOW	LOW	NON-FLAMMABLE (1)	PART SHADE, FULL SHADE	FAST, MODERATE
PERENNIALS													
ERIOGONUM LATIFOLIUM	COAST BUCKWHEAT	HERBACEOUS PERENNIAL	2'H X 2'W	HIGH	LOW	LOW	MODERATE	N/A	LOW	MODERATE	MODERATLY FLAMMABLE (3)	FULL SUN, PART SHADE	MODERATE
IRIS FERNALDII	FERNALD'S IRIS	HERBACEOUS PERENNIAL	1'H X 1'W	HIGH	MODERATE	LOW	LOW	N/A	LOW	LOW	NON-FLAMMABLE (5)	FULL SUN, PART SHADE	FAST, MODERATE
POLYSTICHUM MUNITUM	WESTERN SWORD FERN	HERBACEOUS PERENNIAL	2'H X 3'W	LOW	MODERATE	LOW	LOW	N/A	LOW	LOW	NON-FLAMMABLE (5)	PART SHADE, FULL SHADE	FAST, MODERATE
GROUNDCOVERS (18" OR LESS)													
ACMISPON GLABER (PROSTRATE FORM)	DEERWEED	EVERGREEN GROUNDCOVER	18"W X 3'W	HIGH	LOW	LOW	LOW	N/A	LOW	MODERATE	MODERATLY FLAMMABLE (4)	FULL SUN, PART SHADE	MODERATE
ARTEMISIA PYCNOCEPHALA 'DAVID'S CHOICE'	COASTAL SAGEWORK	EVERGREEN GROUNDCOVER	18"H X 6'W	MODERATE	MODERATE	LOW	LOW	LOW	LOW	MODERATE	NON-FLAMMABLE (2)	FULL SUN, PART SHADE	MODERATE
ARCTOSTAPHYLOS EDMUNDSII 'CARMEL SUR'	CARMEL SUR MANZANITA	EVERGREEN GROUNDCOVER	1'"H X 6'W	MODERATE	MODERATE	LOW	LOW	LOW	LOW	MODERATE	MODERATLY FLAMMABLE (3)	FULL SUN, PART SHADE	MODERATE
ARCTOSTAPHYLOS X 'PACIFIC MIST'	PACIFIC MIST MANZANITA	EVERGREEN GROUNDCOVER	18"H X 5'W	MODERATE	MODERATE	LOW	LOW	LOW	LOW	MODERATE	MODERATLY FLAMMABLE (3)	FULL SUN, PART SHADE	MODERATE
ARMERIA MARITIMA	SEA THRIFT	HERBACEOUS PERENNIAL	1'H X 1'W	HIGH	LOW	LOW	MODERATE	N/A	HIGH	MODERATE	NON-FLAMMABLE (2)	FULL SUN, PART SHADE	FAST, MODERATE
CAREX TUMULICOLA	FOOTHILL SEDGE	EVERGREEN PERENNIAL SEDGE	1'H X 2'W	HIGH	MEDIUM	MODERATE	LOW	N/A	N/A	LOW	N/A	FULL SUN, PART SHADE	FAST, MODERATE
CEANOTHUS X 'CENTENNIAL'	CENTENNIAL WILD LILAC	EVERGREEN GROUNDCOVER	1'H X 5'W	HIGH	LOW	LOW	MODERATE	LOW	LOW	LOW	NON-FLAMMABLE (1)	FULL SUN, PART SHADE	MODERATE
CORETHROGYNE FILAGINIFOLIA 'SILVER CARPET'	CALIFORNIA ASTER	HERBACEOUS PERENNIAL	6"H X 3'W	HIGH	LOW	LOW	MODERATE	N/A	MODERATE	MODERATE	MODERATLY FLAMMABLE (6)	FULL SUN, PART SHADE	FAST, MODERATE
CROCANTHEMUM SCOPARIUM	SUN ROSE	HERBACEOUS PERENNIAL	18"H X18"W	MODERATE	MODERATE	LOW	LOW	N/A	LOW	MODERATE	NON-FLAMMABLE (4)	FULL SUN	MODERATE
EPILOBIUM CANUM 'EVERETTS CHOICE'	CALIFORNIA FUCHIA	HERBACEOUS PERENNIAL	1'H X 2'W	HIGH	LOW	LOW	LOW	N/A	LOW	MODERATE	NON-FLAMMABLE (1)	FULL SUN, PART SJADE	MODERATE
ERIGERON GLAUCUS 'WAYNE RODRICK'	SEASIDE DAISY	HERBACEOUS PERENNIAL	1'H X 1'W	HIGH	LOW	LOW	LOW	N/A	LOW	MODERATE	NON-FLAMMABLE (5)	FULL SUN, PART SJADE	MODERATE
IRIS DOUGLASIANA 'POINT REYES'	POINT REYES DOUGLAS IRIS	HERBACEOUS PERENNIAL	18"H X 18"W	HIGH	MODERATE	LOW	LOW	N/A	LOW	LOW	NON-FLAMMABLE (5)	FULL SUN, PART SHADE	FAST, MODERATE
GROUNDCOVERS (4" OR LESS)													
ARCTOSTAPHYLOS UVA-URSI 'RADIANT'	KINNICKINNICK	EVERGREEN GROUNDCOVER	4"H X 5'W	MODERATE	MODERATE	LOW	LOW	LOW	LOW	MODERATE	MODERATLY FLAMMABLE (3)	PART SHADE	MODERATE
ARMERIA MARITIMA SSP. CALIFORNICA	CALIFORNIA SEA THRIFT	HERBACEOUS PERENNIAL	4"H X 12"W	HIGH	LOW	LOW	MODERATE	N/A	HIGH	MODERATE	NON-FLAMMABLE (2)	FULL SUN, PART SHADE	FAST, MODERATE
CEANOTHUS THYR. VAR. THYR. 'LOUIS EDMUNDS'	CREEPING BLUEBLOSSOM	EVERGREEN GROUNDCOVER	4"H X 8'W	HIGH	LOW	LOW	MODERATE	LOW	LOW	LOW	NON-FLAMMABLE (1)	FULL SUN, PART SHADE	MODERATE
DUDLEYA FARINOSA	BLUFF LETTUCE	HERBACEOUS PERENNIAL	4"H X 8"W	HIGH	LOW	LOW	MODERATE	N/A	HIGH	MODERATE	NON-FLAMMABLE (1)	SHADE, PART SHADE	MODERATE
FRAGARIA CHILOENSIS	BEACH STRAWBERRY	HERBACEOUS PERENNIAL	4"H X 12"W	HIGH	MODERATE	LOW	LOW	LOW	LOW	LOW	NON-FLAMMABLE (1)	FULL SUN, PART SHADE	FAST, MODERATE
PHYLA NODIFLORA	LIPPIA/KURAPIA	HERBACEOUS PERENNIAL	4"H X 12"W	HIGH	MODERATE	LOW	LOW	N/A	LOW	LOW	NON-FLAMMABLE (2)	FULL SUN	FAST, MODERATE

FIRE RESISTANT VERIFIED RESOURCES:

1.) RESOURCE CONSERVATION DISTRICT OF SANTA CRUZ
2.) MONTERAY FIRE SAFE COUNCIL
3.) LAS PALITAS NATIVE NURSERY
4.) SAN LUIS OBISPO COUNTY
5.) CA NATIVE PLANT SOCIETY
6.) US FOREST SERVICE

AECOM W.M. LYLES CO.
a joint venture

PROJECT

GRAHAM HILL WATER TREATMENT PLANT - FACILITY IMPROVEMENTS PROJECT
715 Graham Hill Rd,
Santa Cruz, CA 95060
APN 060-141-05

OWNER

CITY OF SANTA CRUZ WATER DEPARTMENT
212 Locust St Ste A,
Santa Cruz, CA 95060
Phone: (831) 420-5200

ENGINEER

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BOWMAN & WILLIAMS *(Surveyor)*
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www.bowmanandwilliams.com

REGISTRATION

LICENSED LANDSCAPE ARCHITECT
JIRI GEORGE STRNAD, NO. LA 4296
12/13/2024
12/13/2023
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	MO
Drawn By:	MO
Dept Check:	GS
Proj Check:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	1" = 10'

DISCIPLINE

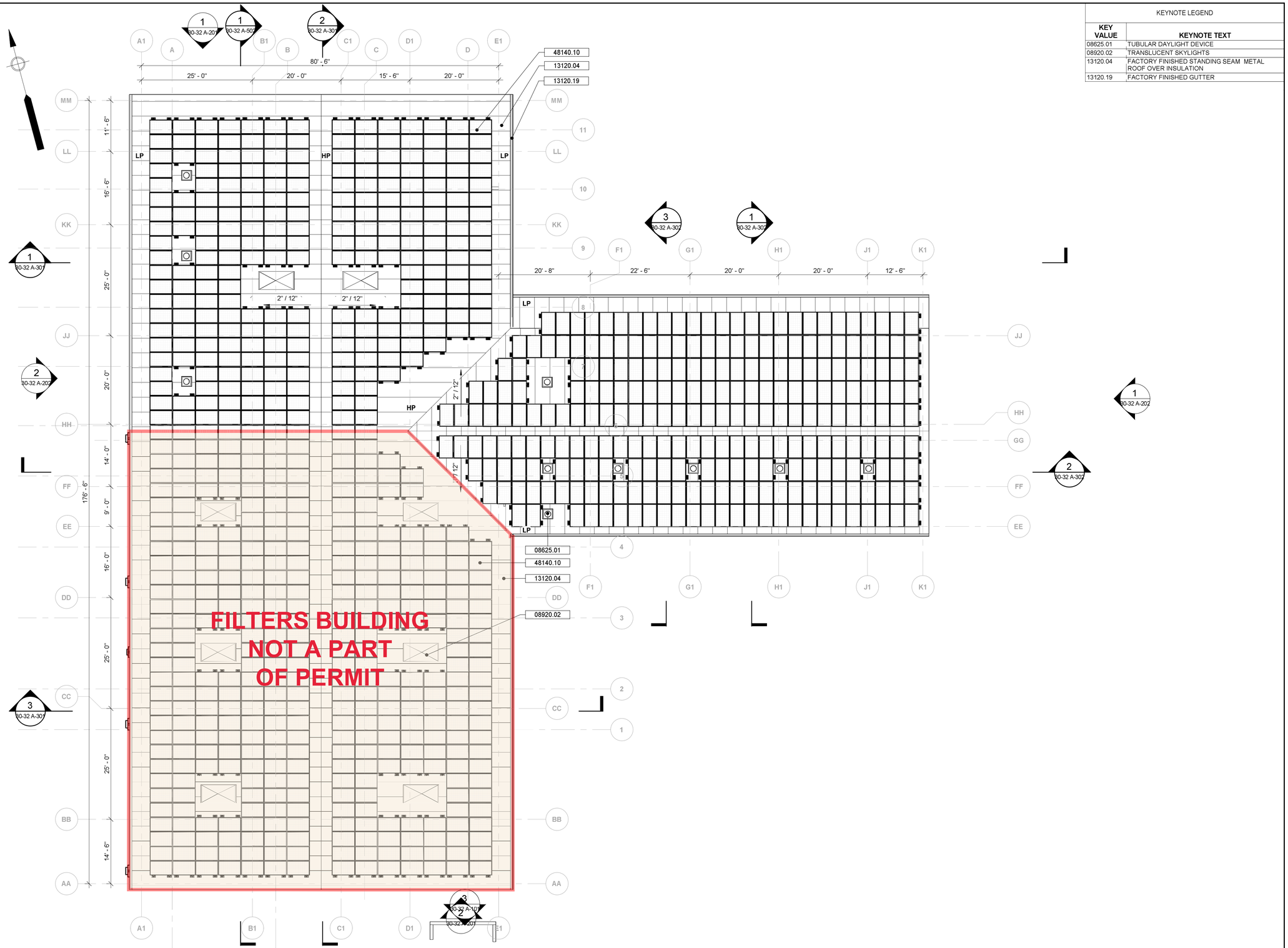
LANDSCAPE

SHEET TITLE

PLANT SCHEDULE

SHEET NUMBER

00-L-111



1 30-32 A-106 ROOF PLAN - 1

Scale: 3/32" = 1'-0"

KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
08625.01	TUBULAR DAYLIGHT DEVICE
08920.02	TRANSLUCENT SKYLIGHTS
13120.04	FACTORY FINISHED STANDING SEAM METAL ROOF OVER INSULATION
13120.19	FACTORY FINISHED GUTTER

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PROJECT

GRAHAM HILL WATER TREATMENT PLANT - FACILITY IMPROVEMENTS PROJECT

715 Graham Hill Rd,
Santa Cruz, CA 95060
APN 060-141-05

OWNER

CITY OF SANTA CRUZ WATER DEPARTMENT

212 Locust St Ste A
Santa Cruz, CA 95060
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ENGINEER

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REGISTRATION

LICENSED ARCHITECT
WILLIAM D. GORYL
No. 17596
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	W. GORYL
Drawn By:	M. PICONE
Dept Check:	G.OTTERSON
Approved by:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	3/32" = 1'-0"

DISCIPLINE

ARCHITECTURAL

SHEET TITLE

ADMIN & OPS BUILDING - ROOF PLAN

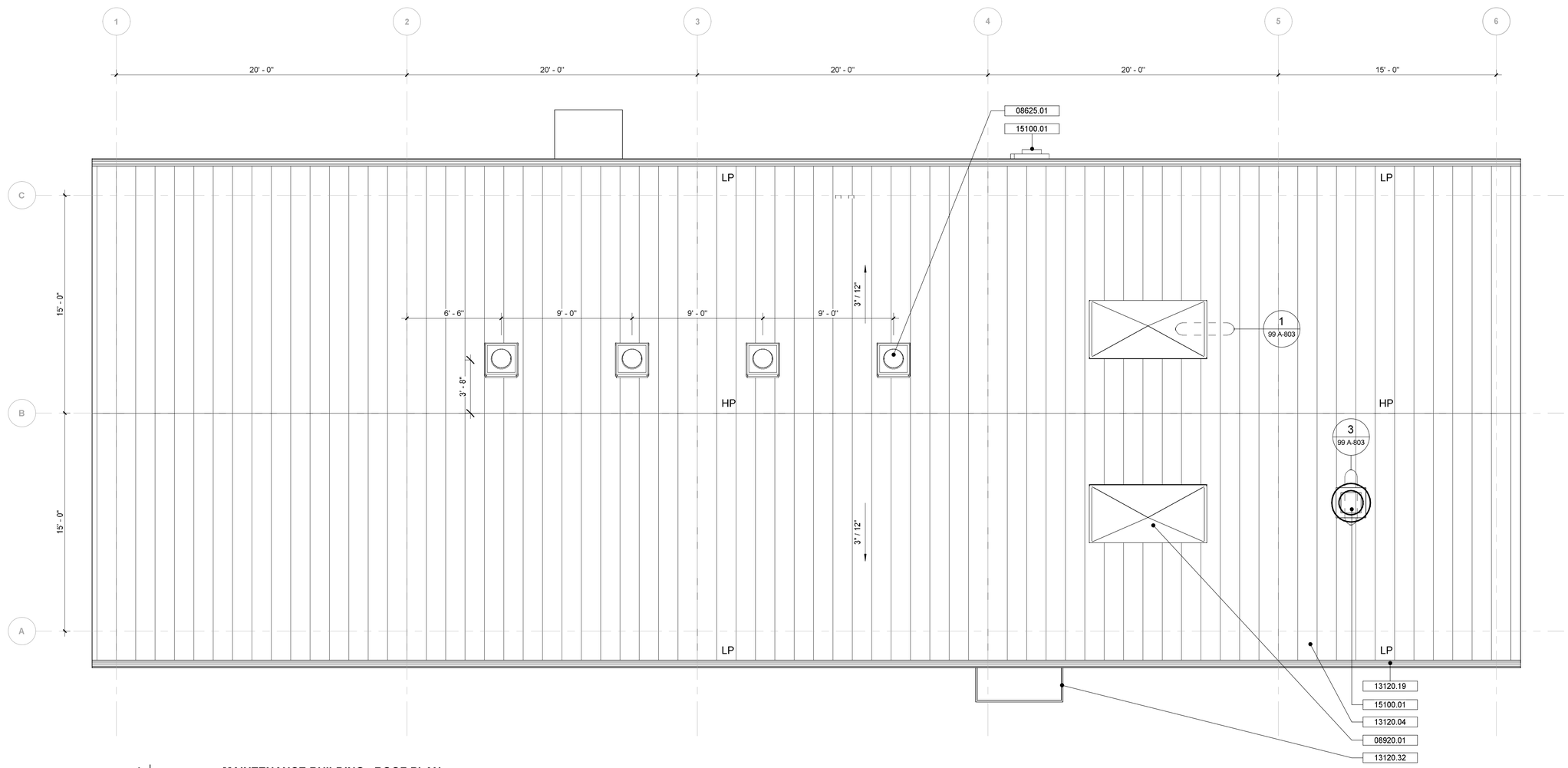
SHEET NUMBER

30-32 A-106

PATH/FILENAME: Autodesk Docs://60667213-GHWTP FIP/30-32-A-Admin & Operations Buildings.rvt
LAST UPDATE: 12/13/2023 12:44:55 PM
PLOT DATE: 12/13/2023 12:44:55 PM

60667213

KEY VALUE	KEYNOTE TEXT
08625.01	TUBULAR DAYLIGHT DEVICE
08920.01	TRANSLUCENT REMOVABLE SKYLIGHTS
13120.04	FACTORY FINISHED STANDING SEAM METAL ROOF OVER INSULATION
13120.19	FACTORY FINISHED GUTTER
13120.32	CANOPY BY PEMB MFR, TYP.
15100.01	MECHANICAL EQUIPMENT, SEE HVAC DRAWINGS



1 | MAINTENANCE BUILDING - ROOF PLAN
85-A-102 | Scale: 1/4" = 1'-0"

0 2' 4' 8'

AECOM W.M. LYLES CO.
a joint venture

PROJECT

GRAHAM HILL WATER TREATMENT PLANT - FACILITY IMPROVEMENTS PROJECT

715 Graham Hill Rd,
Santa Cruz, CA 95060
APN 060-141-05

OWNER

CITY OF SANTA CRUZ WATER DEPARTMENT

212 Locust St Ste A
Santa Cruz, CA 95060
PHONE: (831) 420-5200

ENGINEER

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REGISTRATION

LICENSED ARCHITECT
WILLIAM D. GORYL
No. 17596
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	M. PICONE
Drawn By:	M. PICONE
Dept Check:	W. GORYL
Approved by:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	1/4" = 1'-0"

DISCIPLINE

ARCHITECTURAL

SHEET TITLE

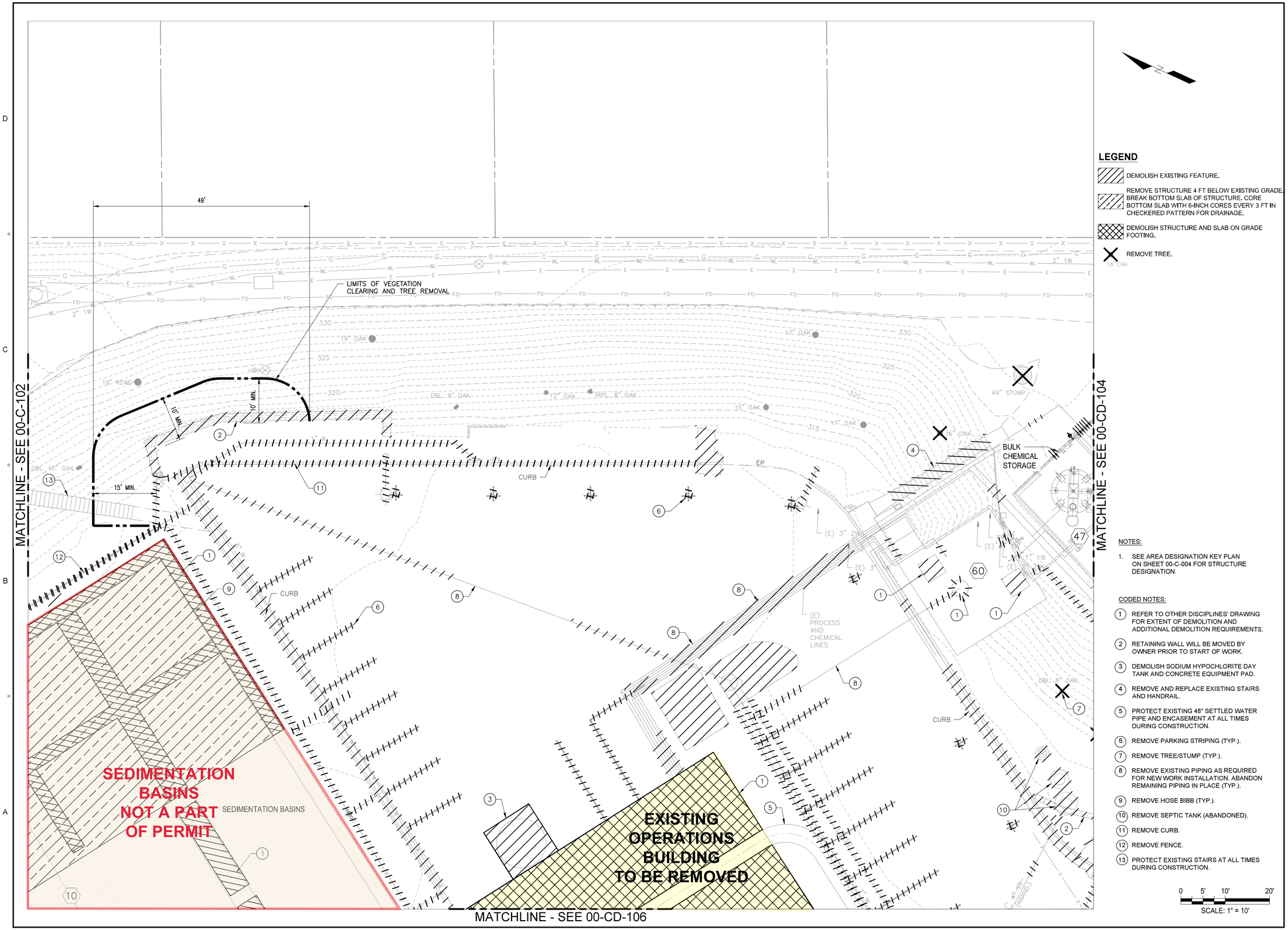
MAINTENANCE BUILDING - ROOF PLAN

SHEET NUMBER

85-A-102

PATH/FILENAME: Autodesk Docs://60667213-GHWTP F/P/85-A-Maintenance Building.rvt
LAST UPDATE: 12/13/2023 11:27:41 AM
PLOT DATE: 12/13/2023 11:27:41 AM

60667213



LEGEND

- DEMOLISH EXISTING FEATURE.
- REMOVE STRUCTURE 4 FT BELOW EXISTING GRADE. BREAK BOTTOM SLAB OF STRUCTURE. CORE BOTTOM SLAB WITH 6-INCH CORES EVERY 3 FT IN CHECKERED PATTERN FOR DRAINAGE.
- DEMOLISH STRUCTURE AND SLAB ON GRADE FOOTING.
- REMOVE TREE.

NOTES:

1. SEE AREA DESIGNATION KEY PLAN ON SHEET 00-C-004 FOR STRUCTURE DESIGNATION.

CODED NOTES:

1. REFER TO OTHER DISCIPLINES' DRAWING FOR EXTENT OF DEMOLITION AND ADDITIONAL DEMOLITION REQUIREMENTS.
2. RETAINING WALL WILL BE MOVED BY OWNER PRIOR TO START OF WORK.
3. DEMOLISH SODIUM HYPOCHLORITE DAY TANK AND CONCRETE EQUIPMENT PAD.
4. REMOVE AND REPLACE EXISTING STAIRS AND HANDRAIL.
5. PROTECT EXISTING 48" SETTLED WATER PIPE AND ENCASEMENT AT ALL TIMES DURING CONSTRUCTION.
6. REMOVE PARKING STRIPING (TYP.).
7. REMOVE TREE/STUMP (TYP.).
8. REMOVE EXISTING PIPING AS REQUIRED FOR NEW WORK INSTALLATION. ABANDON REMAINING PIPING IN PLACE (TYP.).
9. REMOVE HOSE BIBB (TYP.).
10. REMOVE SEPTIC TANK (ABANDONED).
11. REMOVE CURB.
12. REMOVE FENCE.
13. PROTECT EXISTING STAIRS AT ALL TIMES DURING CONSTRUCTION.

0 5' 10' 20'
SCALE: 1" = 10'

AECOM W.M. LYLES CO.
a joint venture

PROJECT

GRAHAM HILL WATER TREATMENT PLANT - FACILITY IMPROVEMENTS PROJECT
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APN 060-141-05

OWNER

CITY OF SANTA CRUZ WATER DEPARTMENT
212 Locust St Ste A,
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ENGINEER

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REGISTRATION

REGISTERED PROFESSIONAL ENGINEER
THOMAS M. SWEET
No. 58265
CIVIL
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	WT
Drawn By:	ZB
Dept Check:	LR
Proj Check:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	1" = 10'

DISCIPLINE

CIVIL

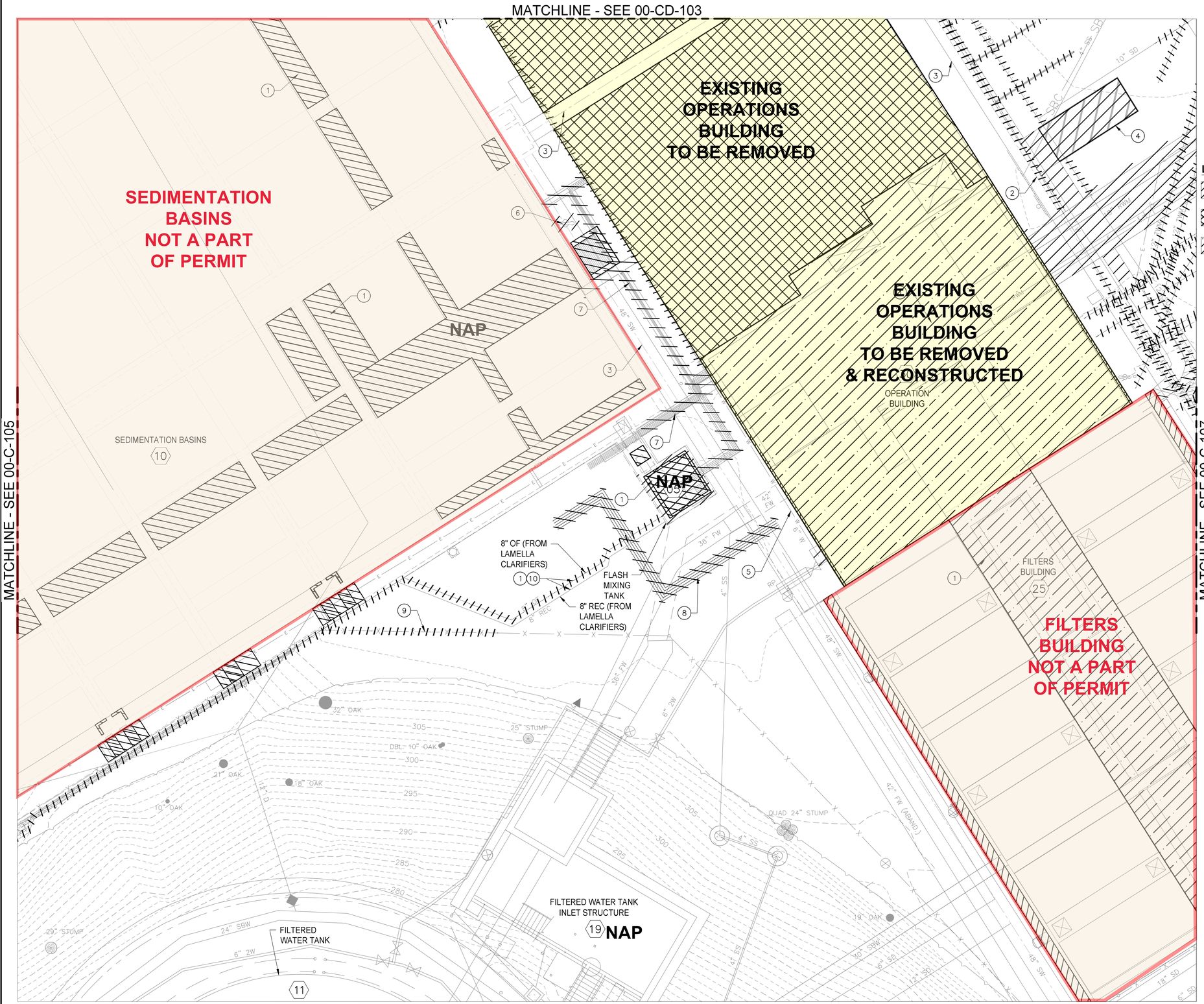
SHEET TITLE

SITE DEMOLITION PLAN 3 OF 7

SHEET NUMBER

00-CD-103 PAGE 17 OF 27

PATH/FILENAME: C:\USERS\RADU\ADCACCDOCS\AECOM\60667213-GHWTP FIP\PROJECT FILES\910-CAD_BIM\20 SHEETS\IC\00-CD-100_107.DWG
LAST UPDATE: 12/13/2023 11:01:22 AM
PLOT DATE: 12/14/2023 2:48:38 PM



LEGEND

- DEMOLISH EXISTING FEATURE.
- DEMOLISH STRUCTURE AND SLAB ON GRADE FOOTING.
- REMOVE STRUCTURE ABOVE BASEMENT TOP SLAB ONLY. SEE STRUCTURAL DRAWINGS FOR EXTENT OF DEMOLITION.

NOTES:

1. SEE AREA DESIGNATION KEY PLAN ON SHEET 00-C-004 FOR STRUCTURE DESIGNATION.

CODED NOTES:

1. REFER TO OTHER DISCIPLINES' DRAWING FOR EXTENT OF DEMOLITION AND ADDITIONAL DEMOLITION REQUIREMENTS.
2. DEMOLISH EXISTING UTILITIES AS REQUIRED FOR INSTALLATION OF NEW WORK.
3. PROTECT EXISTING 48" SETTLED WATER PIPE AND ENCASEMENT AT ALL TIMES DURING CONSTRUCTION.
4. REMOVE PARKING STRIPING (TYP.).
5. ABANDON IN PLACE.
6. REMOVE HOSE BIBB.
7. DEMOLISH EXISTING CHEMICAL PIPING TRENCHES.
8. REMOVE ELECTRICAL CONDUITS.
9. REMOVE FENCE.
10. FIELD VERIFY LOCATION OF PIPE.

0 5' 10' 20'
SCALE: 1" = 10'

AECOM W.M. LYLES CO.
a joint venture

PROJECT

GRAHAM HILL WATER TREATMENT PLANT - FACILITY IMPROVEMENTS PROJECT
715 Graham Hill Rd,
Santa Cruz, CA 95060
APN 060-141-05

OWNER

CITY OF SANTA CRUZ WATER DEPARTMENT
212 Locust St Ste A,
Santa Cruz, CA 95060
Phone: (831) 420-5200

ENGINEER

AECOM TECHNICAL SERVICES, INC.
250 APOLLO DRIVE
CHELMSFORD, MA 01824
PHONE: (978) 905-2100
www.aecom.com

AECOM TECHNICAL SERVICES, INC.
2020 L STREET
SACRAMENTO, CA 95811
PHONE: (916) 414-5800
www.aecom.com

CONSULTANTS

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275 Battery Street, Suite 550
San Francisco, CA 94111
www.kennedyjenks.com

BOWMAN & WILLIAMS *(Surveyor)*
3949 Research Park Court, Suite 100
Soquel, CA 95073
www.bowmanandwilliams.com

REGISTRATION

REGISTERED PROFESSIONAL ENGINEER
THOMAS M. SWEE
No. 58265
CIVIL
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	WT
Drawn By:	ZB
Dept Check:	LR
Proj Check:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	1" = 10'

DISCIPLINE

CIVIL

SHEET TITLE

SITE DEMOLITION PLAN 6 OF 7

SHEET NUMBER

00-CD-106 PAGE 18 OF 27

PATH/FILENAME: C:\USERS\RUBANI\DC\ACCDOCS\AECOM\60667213-GHWTP FIP\PROJECT FILES\910-CAD_BIM\00 SHEETS\C\00-CD-100_107.DWG
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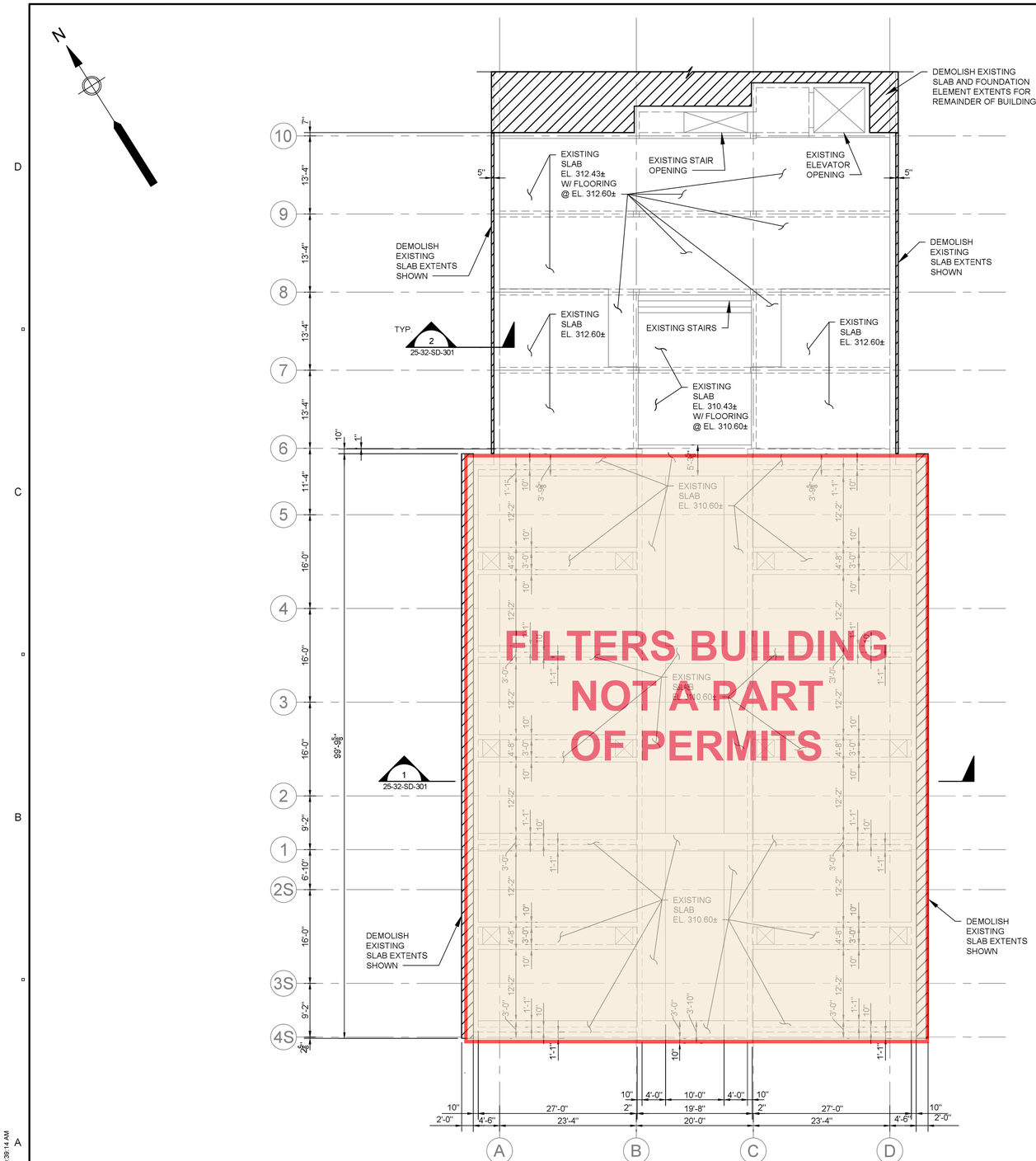

DEMO PLAN

3/32" = 1'-0"

NOTE: SUPERSTRUCTURES SHALL BE DEMOLISHED IN THEIR ENTIRETY.

0 8 16 24 32

SCALE IN FEET

SCALE:3/32"=1'-0"

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PROJECT

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REGISTRATION

REGISTERED PROFESSIONAL ENGINEER
ANTHONY CATALANO JR.
No. 94800
CIVIL
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	A. CATALANO
Drawn By:	A. CATALANO
Dept Check:	M. MALENFANT
Proj Check:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	AS NOTED

DISCIPLINE

STRUCTURAL

SHEET TITLE

FILTER & OPERATIONS BLDG. - DEMOLITION PLAN

SHEET NUMBER

25-32-SD-101 PAGE 19 OF 27

PATH/FILENAME: L:\DCS\PROJECTS\WTR\60667213_SANTA_CRUZ_GRAHAM_HILL\900_CAD_GIS\910_CAD\20\SHEETS\S25-32-SD-101.DWG
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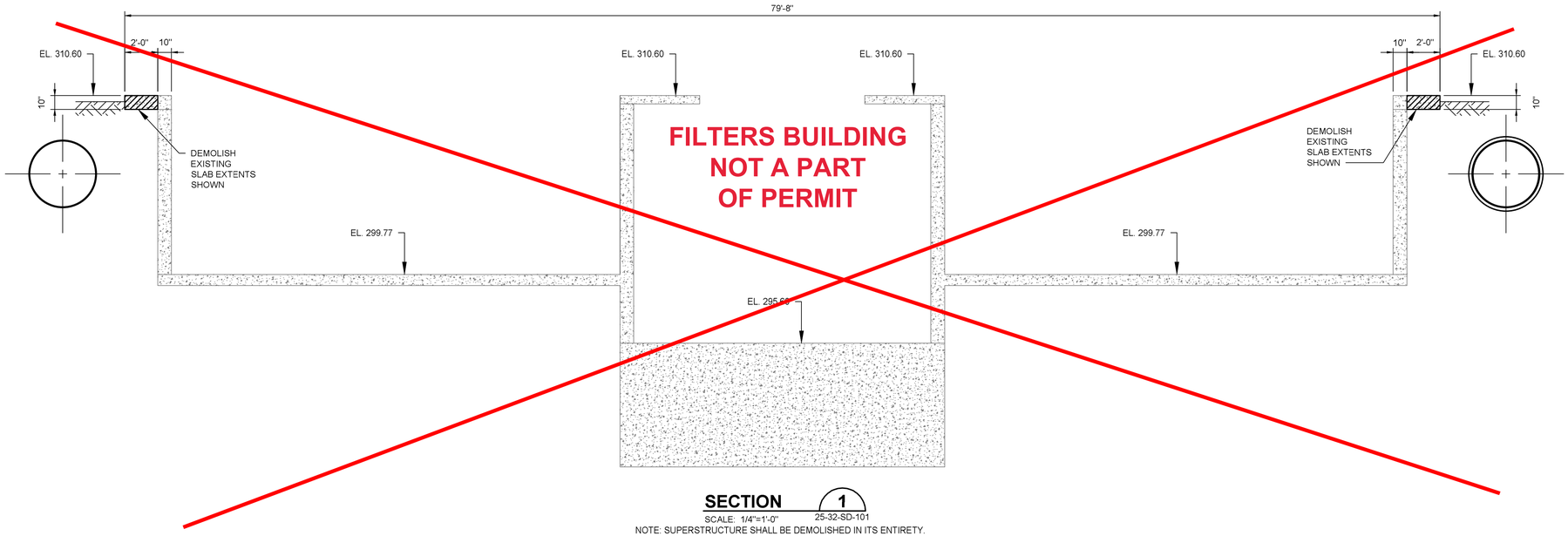
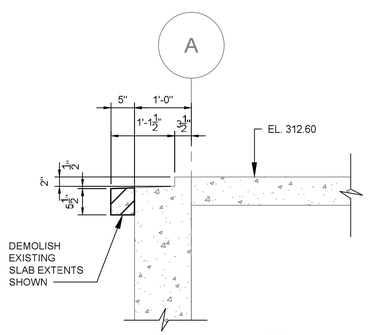
PLOT DATE: Wednesday, December 13, 2023 10:39:14 AM



SECTION 1
SCALE: 1/4"=1'-0" 25-32-SD-101
NOTE: SUPERSTRUCTURE SHALL BE DEMOLISHED IN ITS ENTIRETY.



SECTION 2
SCALE: 3/4"=1'-0" 25-32-SD-101
NOTE: SUPERSTRUCTURE SHALL BE DEMOLISHED IN ITS ENTIRETY.

0 4 8 12
SCALE IN FEET
SCALE: 1/4"=1'-0"

0 1 2 3 4
SCALE IN FEET
SCALE:3/4"=1'-0"

AECOM W.M. LYLES CO.
a joint venture

PROJECT

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715 Graham Hill Rd,
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APN 060-141-05

OWNER

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212 Locust St Ste A,
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REGISTRATION

REGISTERED PROFESSIONAL ENGINEER
ANTHONY CATALANO JR.
No. 94800
CIVIL
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	A. CATALANO
Drawn By:	A. CATALANO
Dept Check:	M. MALENFANT
Proj Check:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	AS NOTED

DISCIPLINE

STRUCTURAL

SHEET TITLE

FILTER & OPERATIONS BLDG. - DEMOLITION SECTIONS

SHEET NUMBER

25-32-SD-301

PATH/FILENAME: L:\DCS\PROJECTS\WTR\60667213_SANTA_CRUZ_GRAHAM_HILL\900_CAD_GIS\910_CAD\20\SHEETS\S\25-32-SD-301.DWG
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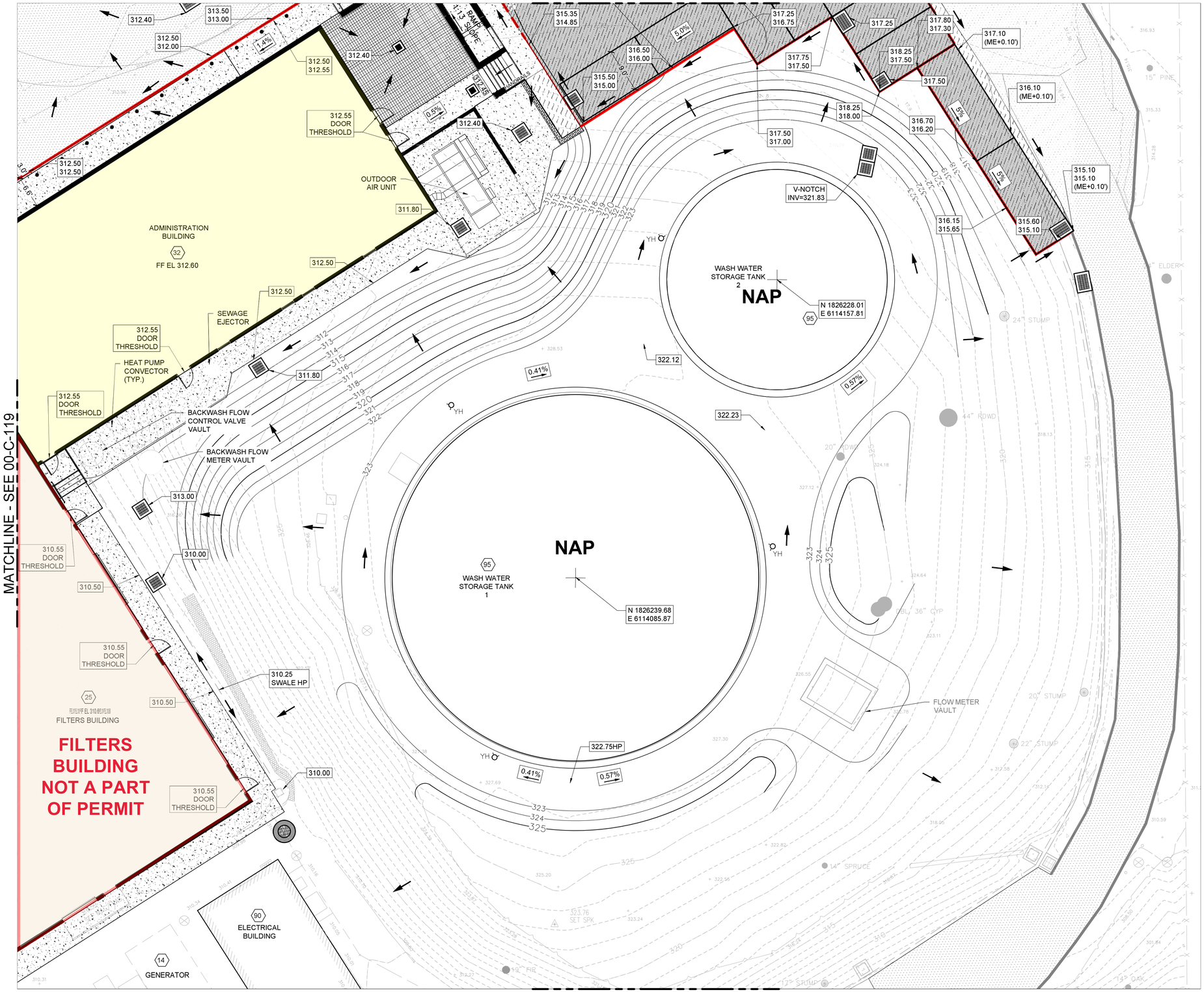

LEGEND

- GRIND/REMOVE AND OVERLAY AC (3") (TI =6.5)
- NEW POROUS AC (4") OVER 4" PERM AB OVER 18" BALLAST (TI = 5)
- NEW AC (4") OVER AB (10") (TI = 6.5)
- NEW REINFORCED CONCRETE (EQUIP PADS, ADA PARKING, SIDEWALKS, AND LANDINGS)
- CONCRETE PAVERS
- RIPRAP
- NEW VERTICAL CURB (AT PARKING AND SIDEWALK)
- NEW FLUSH CURB (PERIMETER OF POROUS AC)
- 320 PROPOSED CONTOURS
- 320 EXISTING CONTOURS

NOTES:

1. SEE AREA DESIGNATION KEY PLAN ON SHEET 00-C-004 FOR STRUCTURE DESIGNATION.

0 5' 10' 20'
SCALE: 1" = 10'

AECOM W.M. LYLES CO.
a joint venture

PROJECT

GRAHAM HILL WATER TREATMENT PLANT - FACILITY IMPROVEMENTS PROJECT
715 Graham Hill Rd,
Santa Cruz, CA 95060
APN 060-141-05

OWNER

CITY OF SANTA CRUZ WATER DEPARTMENT
212 Locust St Ste A,
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REGISTRATION

REGISTERED PROFESSIONAL ENGINEER
THOMAS M. SWEET
No. 58265
CIVIL
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	WT
Drawn By:	MW
Dept Check:	LR
Proj Check:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	1" = 10'

DISCIPLINE

CIVIL

SHEET TITLE

PRELIMINARY GRADING PLAN

SHEET NUMBER

00-C-120 PAGE 21 OF 27

PATH/FILENAME: C:\USERS\RADUA\DC\ACCDOCS\AECOM\60667213-GHWTP FP\PROJECT FILES\910-CAD_BIM\20 SHEETS\C\00-C-113-C-123.DWG
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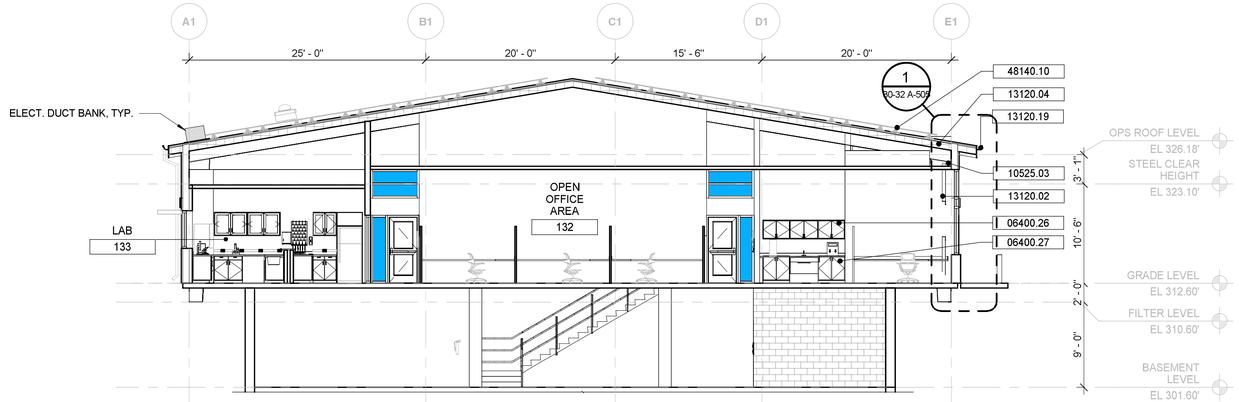
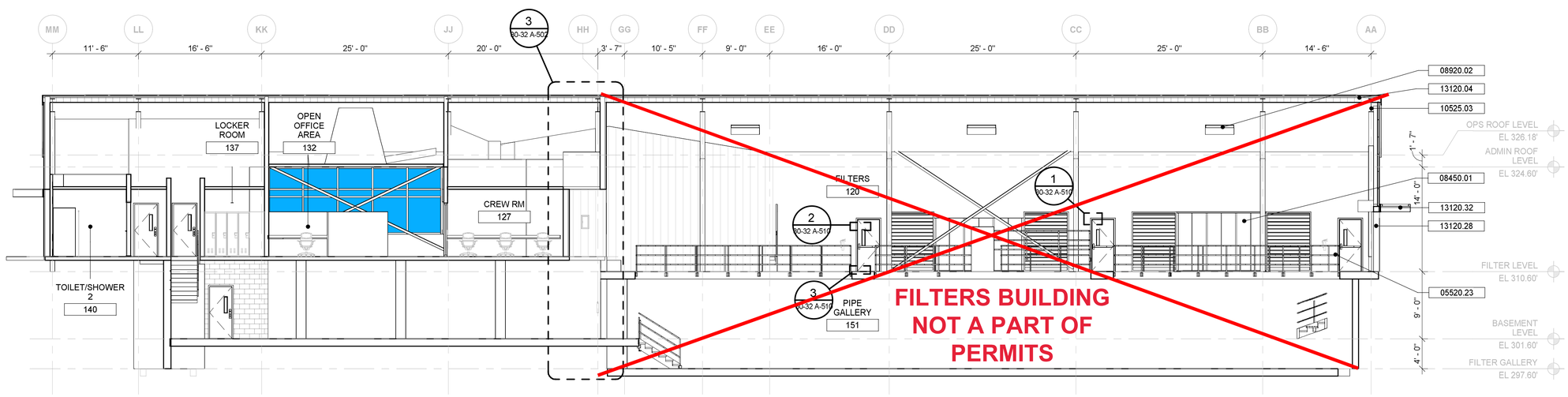


1 30-32 A-301 **BUILDING SECTION 5**

Scale: 1/8" = 1'-0"



2 30-32 A-301 **BUILDING SECTION 4**

Scale: 1/8" = 1'-0"

0 3' 6' 12'

KEYNOTE LEGEND	
KEY VALUE	**KEYNOTE TEXT**
05520.23	SIDE MOUNTED GALVANIZED STEEL GUARDRAIL
06400.26	PLASTIC LAMINATE DOUBLE DOOR WALL CABINET
06400.27	PLASTIC LAMINATE BASE DOUBLE DOOR CABINET
08920.02	TRANSLUCENT SKYLIGHTS
10525.03	RECESSED FIRE EXTINGUISHER
13120.01	PRE-ENGINEERED METAL STRUCTURE
13120.02	PRE-ENGINEERED METAL STRUCTURE CROSS BRACING
13120.04	FACTORY FINISHED STANDING SEAM METAL ROOF OVER INSULATION
13120.19	FACTORY FINISHED GUTTER
13120.26	METAL PANEL RIBBED ON 8" GIRTS, INSULATED, VAPOR RETARDER
13120.28	METAL PANEL SMOOTH ON 8" GIRTS, INSULATED, VAPOR RETARDER
13120.32	CANOPY BY PEMB MFR, TYP.
48140.10	SOLAR ENERGY COLLECTORS (PVC PANELS)

AECOM W.M. LYLES CO.
a joint venture

PROJECT

GRAHAM HILL WATER TREATMENT PLANT - FACILITY IMPROVEMENTS PROJECT

715 Graham Hill Rd,
Santa Cruz, CA 95060
APN 060-141-05

OWNER

CITY OF SANTA CRUZ WATER DEPARTMENT

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REGISTRATION

LICENSED ARCHITECT
WILLIAM D. GORYL
No. 17596
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	W. GORYL
Drawn By:	M. PICONE
Dept Check:	G.OTTERSON
Approved by:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	1/8" = 1'-0"

DISCIPLINE

ARCHITECTURAL

SHEET TITLE

ADMIN & OPS BUILDING - BUILDING SECTIONS I

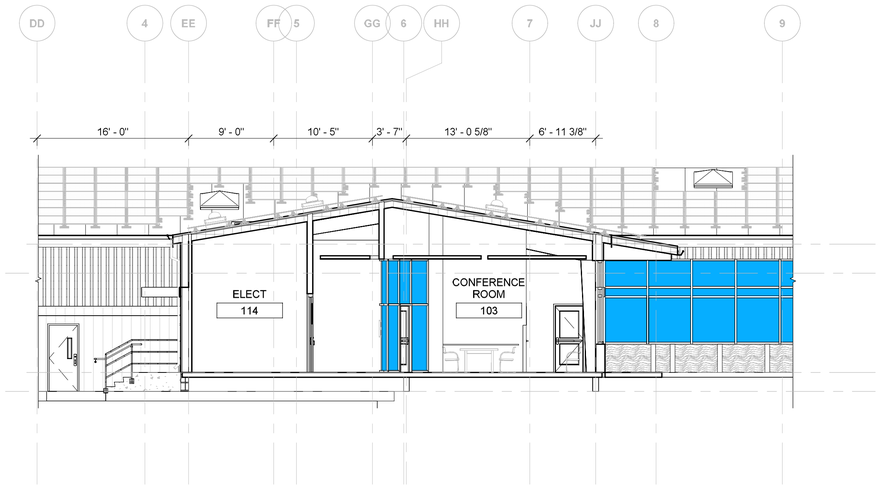
SHEET NUMBER

30-32 A-301 PAGE 22 OF 27

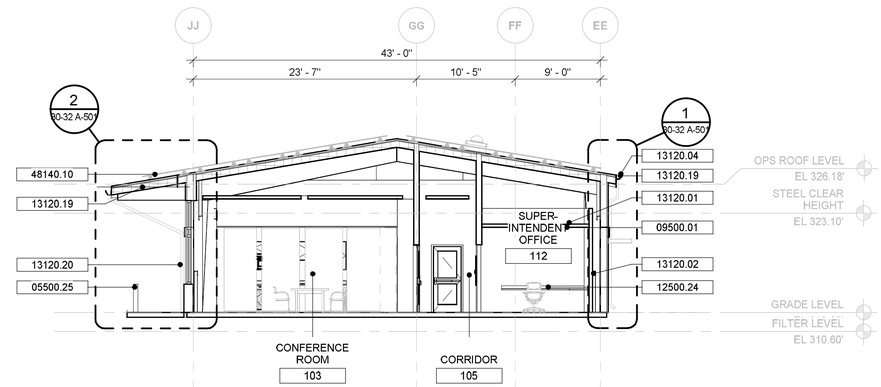
PATH/FILENAME: Autodesk Docs://60667213-GHWTP FIP/30-32-A-Admin & Operations Buildings.rvt
PLOT DATE: 12/13/2023 12:46:07 PM
PAGE 18 OF 26

60667213

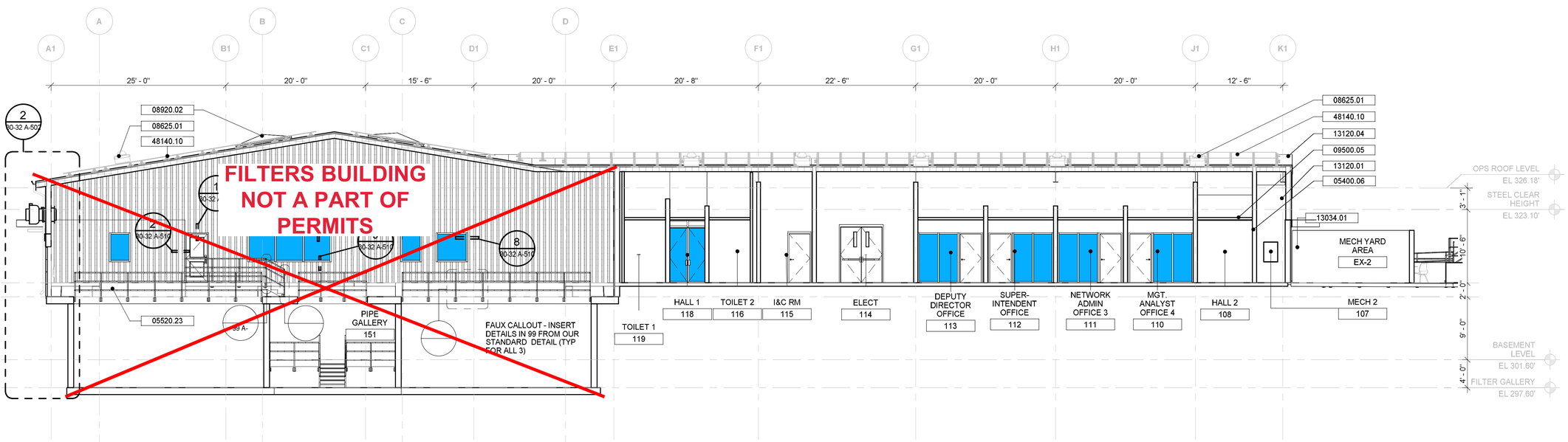
KEYNOTE LEGEND	
KEY VALUE	**KEYNOTE TEXT**
05500.25	BOLLARDS, SEE CIVIL DRAWINGS
05520.23	SIDE MOUNTED GALVANIZED STEEL GUARDRAIL
08625.01	TUBULAR DAYLIGHT DEVICE
08920.02	TRANSLUCENT SKYLIGHTS
09500.01	ACOUSTICAL CEILING PANEL SYSTEM
09500.05	5/8" GYPSUM BOARD
12500.24	F-24 WORK SURFACE
13034.01	ACOUSTIC WALL
13120.01	PRE-ENGINEERED METAL STRUCTURE
13120.02	PRE-ENGINEERED METAL STRUCTURE CROSS BRACING
13120.04	FACTORY FINISHED STANDING SEAM METAL ROOF OVER INSULATION
13120.19	FACTORY FINISHED GUTTER
13120.20	FACTORY FINISHED DOWNSPOUT
48140.10	SOLAR ENERGY COLLECTORS (PVC PANELS)



3 30-32 A-302 **BUILDING SECTION 6**
Scale: 1/8" = 1'-0"



1 30-32 A-302 **BUILDING SECTION 1**
Scale: 1/8" = 1'-0"



2 30-32 A-302 **BUILDING SECTION 2**
Scale: 1/8" = 1'-0"

0 4' 8' 16'

AECOM W.M. LYLES CO.
a joint venture

PROJECT

GRAHAM HILL WATER TREATMENT PLANT - FACILITY IMPROVEMENTS PROJECT

715 Graham Hill Rd,
Santa Cruz, CA 95060
APN 060-141-05

OWNER

CITY OF SANTA CRUZ WATER DEPARTMENT

212 Locust St Ste A
Santa Cruz, CA 95060
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REGISTRATION

LICENSED ARCHITECT
WILLIAM D. GORYL
No. 17596
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	W. GORYL
Drawn By:	M. PICONE
Dept Check:	G.OTTERSON
Approved by:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	1/8" = 1'-0"

DISCIPLINE

ARCHITECTURAL

SHEET TITLE

ADMIN & OPS BUILDING - BUILDING SECTIONS II

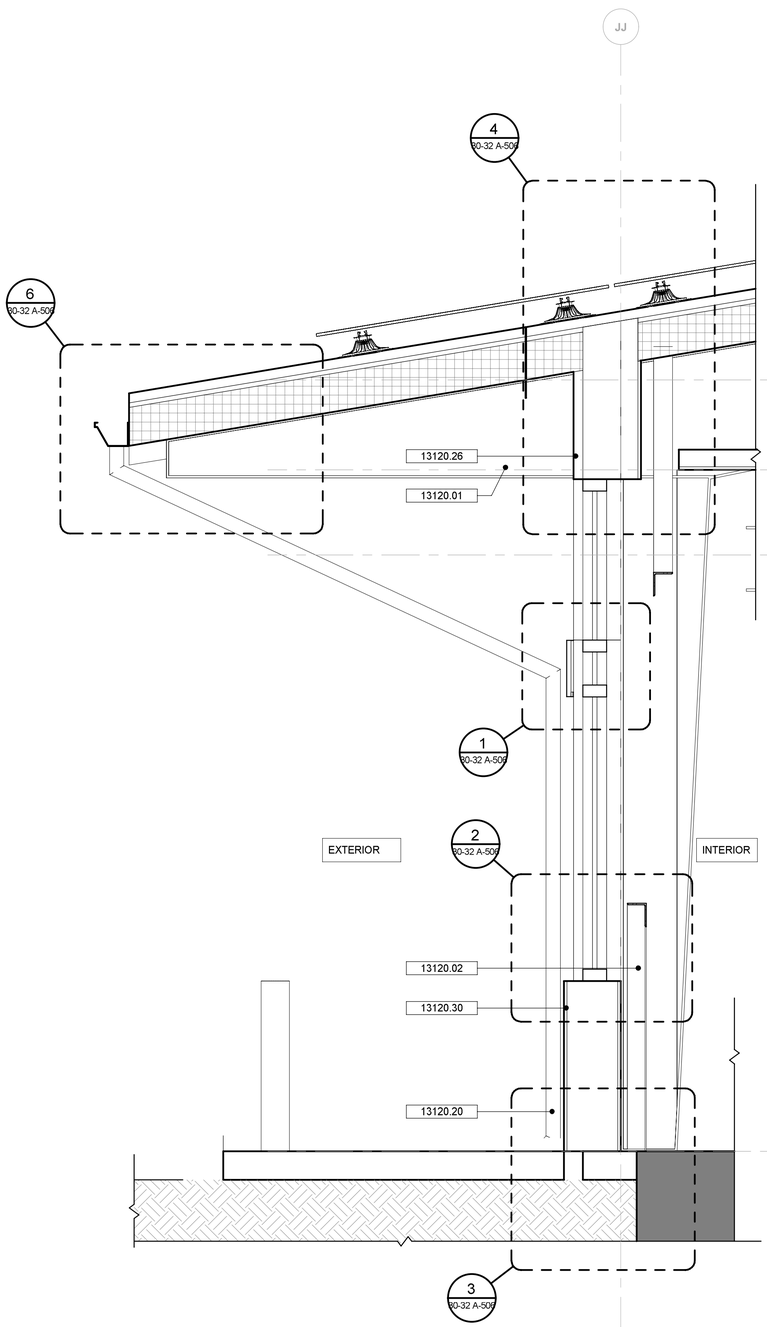
SHEET NUMBER

30-32 A-302 PAGE 23 OF 27

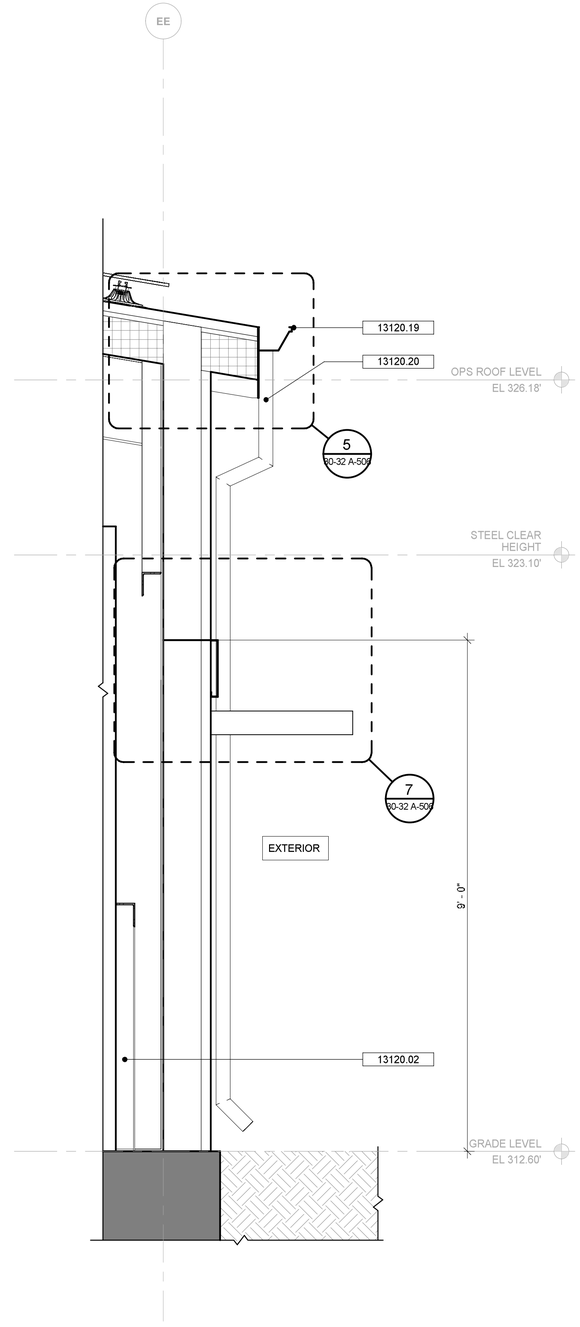
PATH/FILENAME: Autodesk Docs://60667213-GHWTP F/P/30-32-A-Admin & Operations Buildings.rvt
LAST UPDATE: 12/13/2023 12:46:27 PM
PLOT DATE: 12/13/2023 12:46:27 PM

60667213

KEYNOTE LEGEND	
KEY VALUE	**KEYNOTE TEXT**
13120.01	PRE-ENGINEERED METAL STRUCTURE
13120.02	PRE-ENGINEERED METAL STRUCTURE CROSS BRACING
13120.19	FACTORY FINISHED GUTTER
13120.20	FACTORY FINISHED DOWNSPOUT
13120.26	METAL PANEL RIBBED ON 8" GIRTS, INSULATED, VAPOR RETARDER
13120.30	METAL PANEL WAVE ON 8" GIRTS, INSULATED, VAPOR RETARDER



2 30-32 A-501 **WALL SECTION 1**
Scale: 3/4" = 1'-0"



1 30-32 A-501 **WALL SECTION 2**
Scale: 3/4" = 1'-0"

AECOM W.M. LYLES CO.
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PROJECT

GRAHAM HILL WATER TREATMENT PLANT - FACILITY IMPROVEMENTS PROJECT

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APN 060-141-05

OWNER

CITY OF SANTA CRUZ WATER DEPARTMENT

212 Locust St Ste A
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REGISTRATION

LICENSED ARCHITECT
WILLIAM D. GORYL
No. 17596
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	W. GORYL
Drawn By:	M. PICONE
Dept Check:	G.OTTERSON
Approved by:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	3/4" = 1'-0"

DISCIPLINE

ARCHITECTURAL

SHEET TITLE

ADMIN & OPS BUILDING - WALL SECTIONS 1

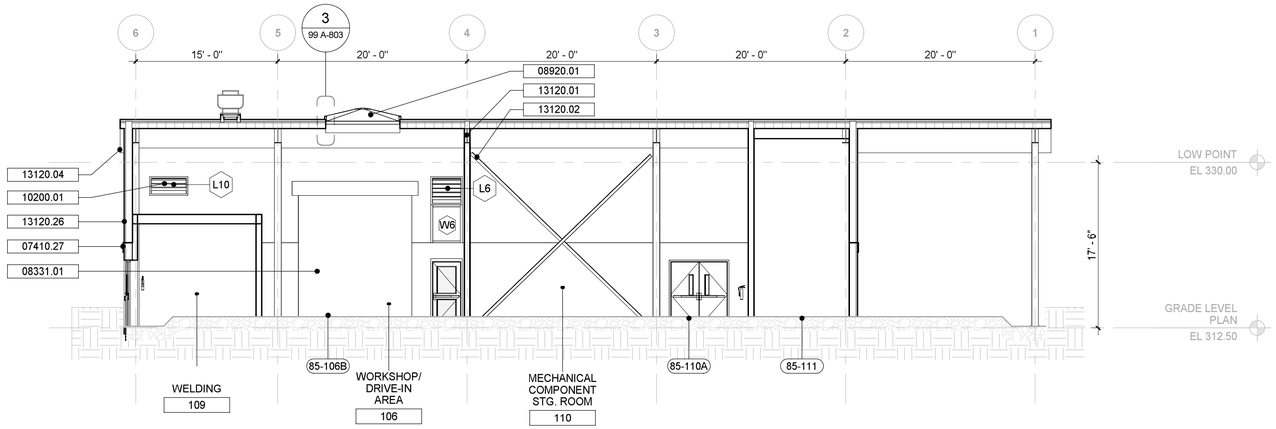
SHEET NUMBER

30-32 A-501 PAGE 24 OF 27

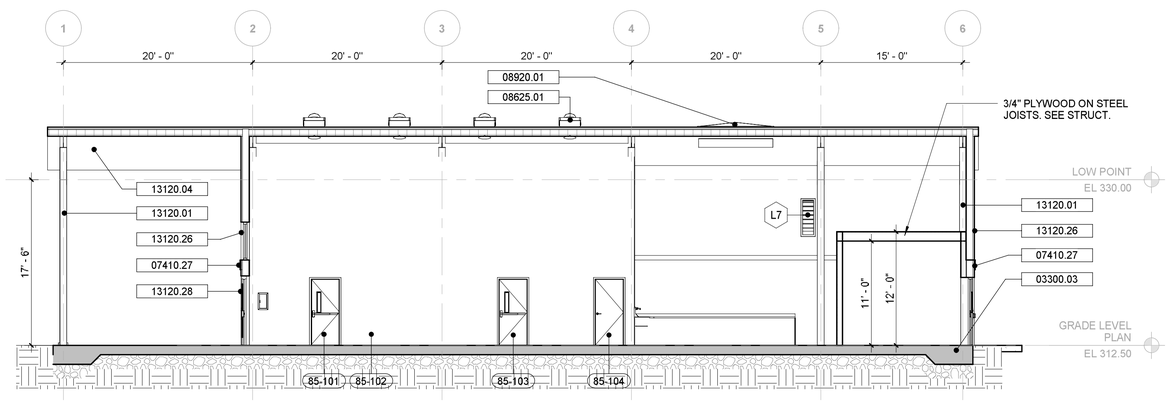
PATH/FILENAME: Autodesk Docs://60667213-GHWTP FIP/30-32-A-Admin & Operations Buildings.rvt
LAST UPDATE: 12/13/2023 12:46:41 PM
PLOT DATE: 12/13/2023 12:46:41 PM

60667213

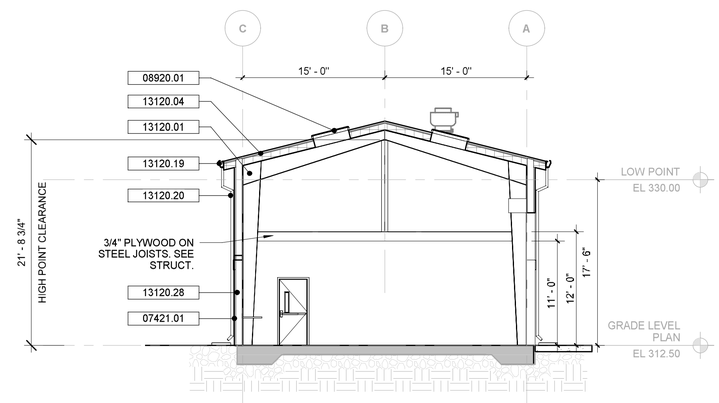
KEY VALUE	KEYNOTE TEXT
03300.03	CONCRETE PLATFORM, SEE STRUCTURAL DWGS
07410.27	PAINTED ALUMINUM CUSTOM TRIM PANEL
08331.01	INSULATED OVERHEAD COILING DOOR
08625.01	TUBULAR DAYLIGHT DEVICE
08920.01	TRANSLUCENT REMOVABLE SKYLIGHTS
10200.01	EXTRUDED ALUMINUM LOUVER
13120.01	PRE-ENGINEERED METAL STRUCTURE
13120.02	PRE-ENGINEERED METAL STRUCTURE CROSS BRACING
13120.04	FACTORY FINISHED STANDING SEAM METAL ROOF OVER INSULATION
13120.19	FACTORY FINISHED GUTTER
13120.20	FACTORY FINISHED DOWNSPOUT
13120.26	METAL PANEL RIBBED ON 8" GIRTS, INSULATED, VAPOR RETARDER
13120.28	METAL PANEL SMOOTH ON 8" GIRTS, INSULATED, VAPOR RETARDER



1 | MAINTENANCE BUILDING - SECTION 1
85-A-301 | Scale: 1/8" = 1'-0"



3 | MAINTENANCE BUILDING - SECTION 2
85-A-301 | Scale: 1/8" = 1'-0"



2 | MAINTENANCE BUILDING - SECTION 3
85-A-301 | Scale: 1/8" = 1'-0"

0 4' 8' 16'

AECOM W.M. LYLES CO.
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PROJECT

GRAHAM HILL WATER TREATMENT PLANT - FACILITY IMPROVEMENTS PROJECT

715 Graham Hill Rd,
Santa Cruz, CA 95060
APN 060-141-05

OWNER

CITY OF SANTA CRUZ WATER DEPARTMENT

212 Locust St Ste A
Santa Cruz, CA 95060
PHONE: (831) 420-5200

ENGINEER

AECOM TECHNICAL SERVICES, INC.
250 APOLLO DRIVE
CHELMSFORD, MA 01824
PHONE: (978) 905-2100
www.aecom.com

AECOM TECHNICAL SERVICES, INC.
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PHONE: (916) 414-5800
www.aecom.com

CONSULTANTS

KENNEDY JENKS (Design assistance)
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San Francisco, CA 94111
www.kennedyjenks.com

BOWMAN & WILLIAMS (Surveyor)
3949 Research Park Court, Suit 100
Soquel, CA 95073
www.bowmanandwilliams.com

REGISTRATION

LICENSED ARCHITECT
WILLIAM D. GORYL
No. 17596
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	M. PICONE
Drawn By:	M. PICONE
Dept Check:	W. GORYL
Approved by:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	1/8" = 1'-0"

DISCIPLINE

ARCHITECTURAL

SHEET TITLE

MAINTENANCE BUILDING - SECTIONS

SHEET NUMBER

85-A-301

PATH/FILENAME: Autodesk Docs://60667213-GHWTP F/P/85-A-Maintenance Building.rvt
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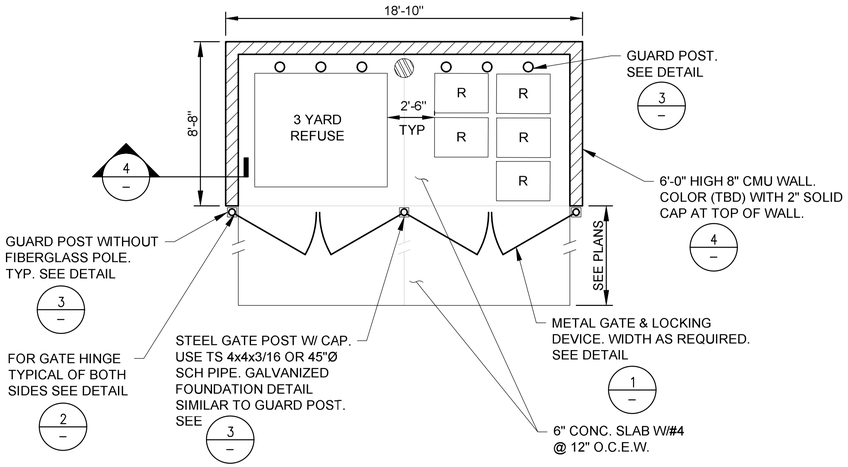
PLOT DATE: 12/13/2023 11:27:44 AM

60667213



5 - TYPICAL TRASH AND RECYCLING STATION ENCLOSURE
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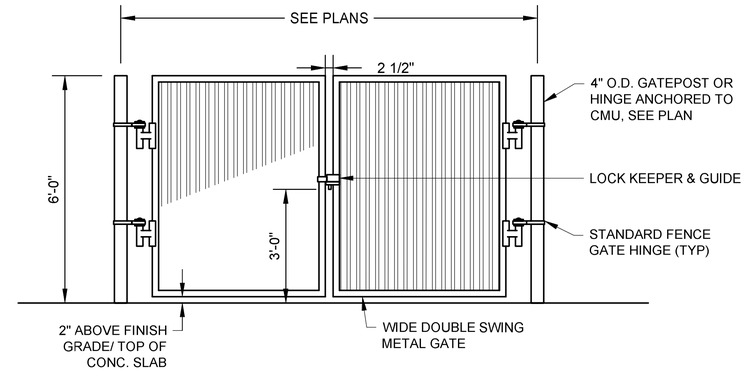

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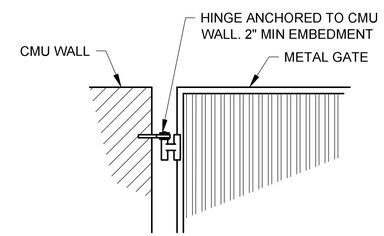

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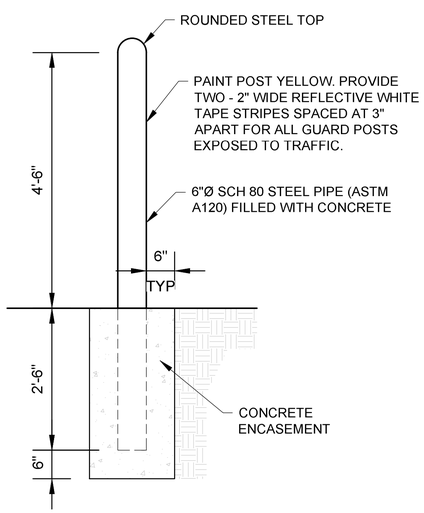

3 - GUARD POST DETAIL
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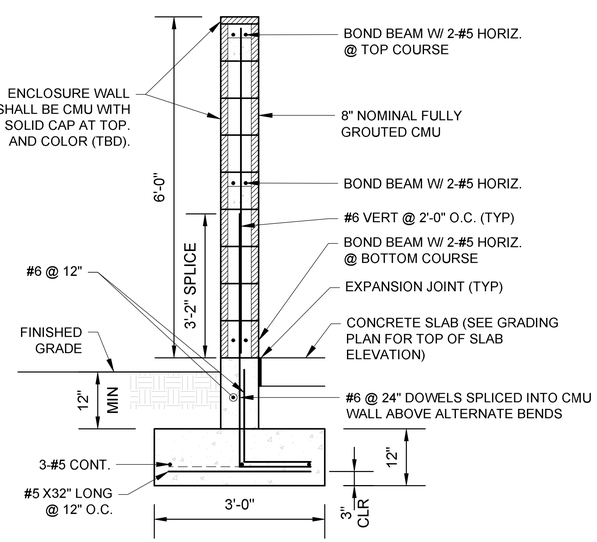

4 - TYPICAL ENCLOSURE WALL SECTION
SCALE: NOT TO SCALE

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BOWMAN & WILLIAMS *(Surveyor)*
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REGISTRATION

REGISTERED PROFESSIONAL ENGINEER
THOMAS M. SWEET
No. 58265
CIVIL
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60667213

Designed By:	JY
Drawn By:	JY
Dept Check:	TS
Proj Check:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	N.T.S.

DISCIPLINE

CIVIL

SHEET TITLE

SITE DETAILS IV

SHEET NUMBER

99-C-004

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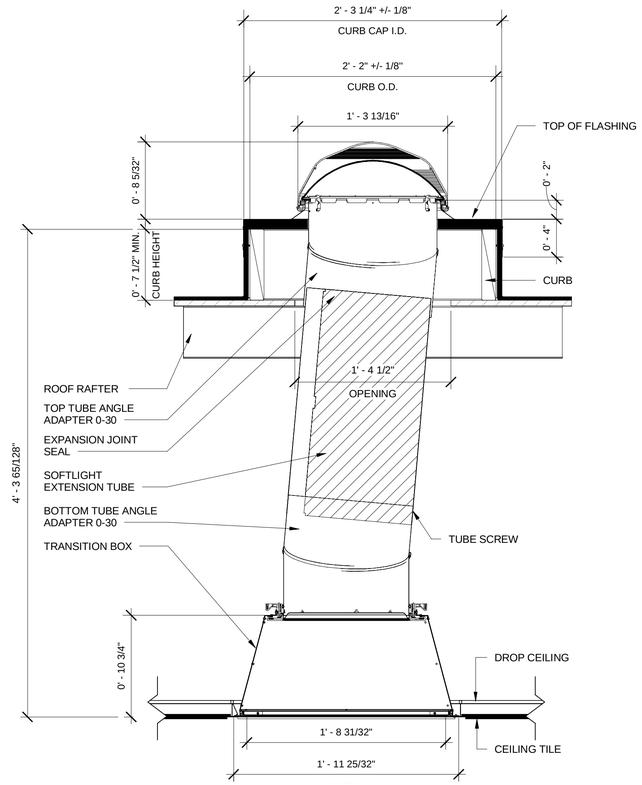
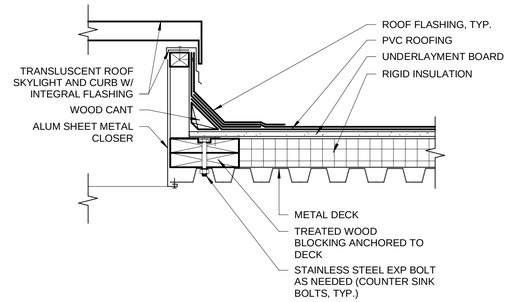
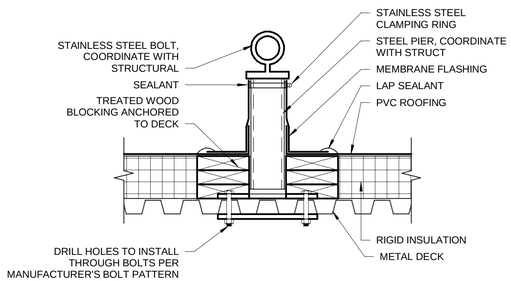
PLOT DATE: 12/14/2023 4:24:03 PM



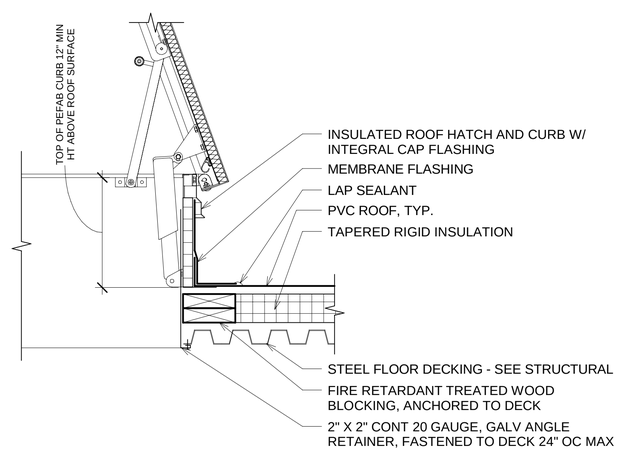
4 | **TYP. DAYLIGHT TUBULAR DEVICE DETAIL**
99 A-803 | Scale: 1 1/2" = 1'-0"



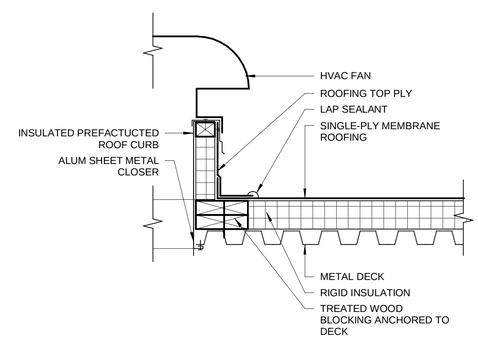
1 | **TYPICAL SKYLIGHT DETAIL**
99 A-803 | Scale: 1 1/2" = 1'-0"



2 | **TYPICAL FALL ARREST ROOF ANCHOR**
99 A-803 | Scale: 1 1/2" = 1'-0"



5 | **TYPCIAL ROOF HATCH DETAIL**
99 A-803 | Scale: 1 1/2" = 1'-0"



3 | **TYPICAL FAN CURB DETAIL**
99 A-803 | Scale: 1 1/2" = 1'-0"

0 1' 2'

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REGISTRATION

LICENSED ARCHITECT
WILLIAM D. GORYL
No. 17596
STATE OF CALIFORNIA

ISSUE/REVISION

I/R	DATE	DESCRIPTION
1	Date 1	Revision 1

PROJECT NUMBER

Project Number

Designed By:	W. GORYL
Drawn By:	M. PICONE
Dept Check:	G. OTTERSON
Approved by:	G. PERIGAULT
Date:	DECEMBER 2023
Scale:	1 1/2" = 1'-0"

DISCIPLINE

ARCHITECTURAL

SHEET TITLE

MISCELLANEOUS ARCHITECTURAL DETAILS III

SHEET NUMBER

99 A-803

PATH/FILENAME: Autodesk Docs://6068721 3-GHWTP FIP/99-Series_Site Plan.rvt
LAST UPDATE: 12/13/2023 1:11:53 PM
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Project Number