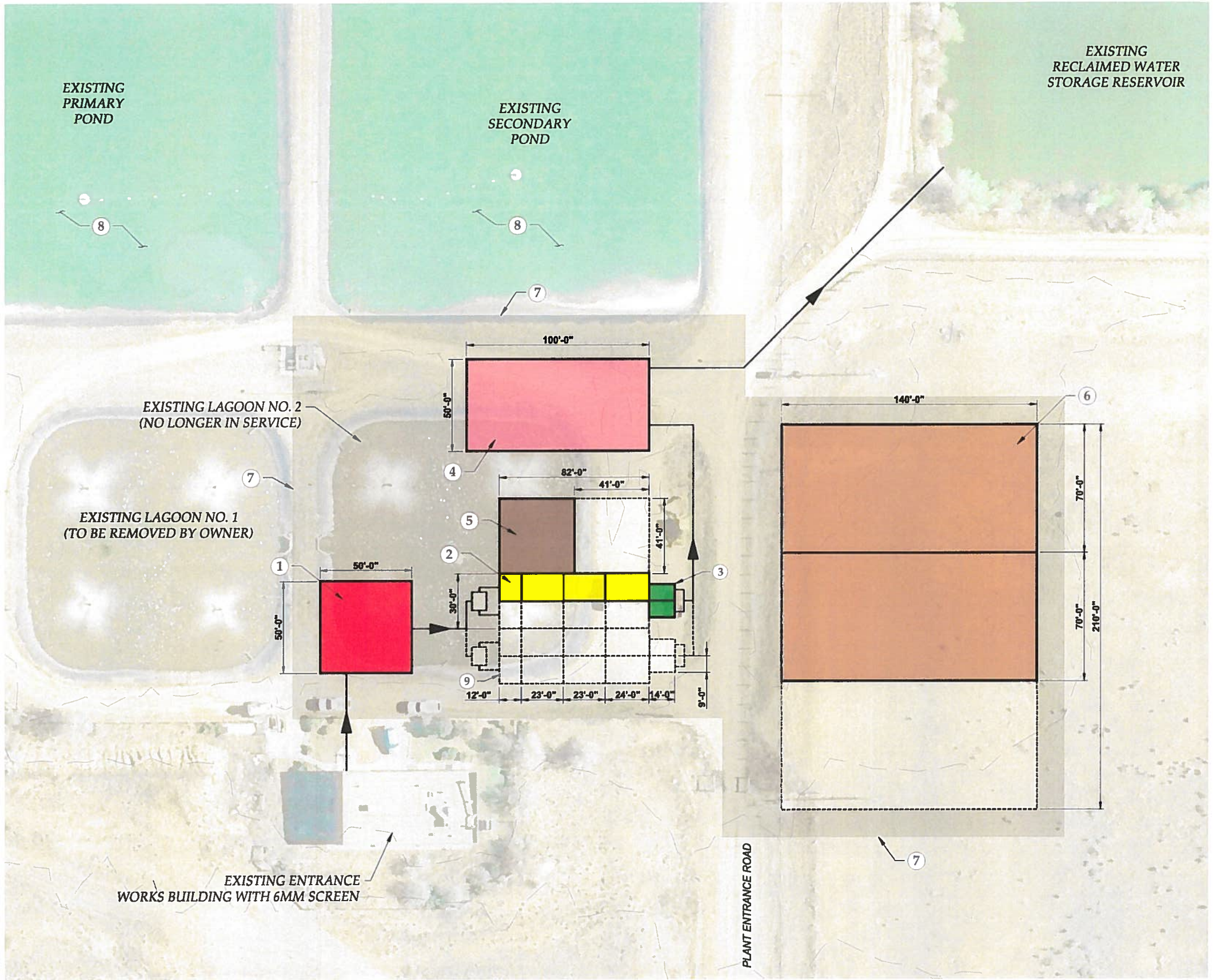


#	FACILITY DESCRIPTION
1	SCREENING, GRIT HANDLING FACILITY
2	AERATION BASINS: • 2 ANAEROBIC TANKS • 2 ANOXIC TANKS • 2 ANOXIC / AEROBIC TANKS • 2 AEROBIC TANKS
3	MEMBRANE TANKS
4	OPERATIONS BUILDING • PUMPS, CONTROLS AND ELECTRICAL EQUIPMENT • BLOWERS AND COMPRESSORS • UV DISINFECTION • SODIUM HYPOCHLORITE
5	AEROBIC DIGESTERS
6	CONCRETE SLUDGE DRYING BEDS
7	PROPOSED BASE COURSE
8	ADDITIVE ALTERNATE • REMOVE AND REINSTALL LINER FOR ADDITIONAL RECLAIMED WATER STORAGE
9	FUTURE EXPANSION

ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	E. DUBOIS
DESIGNED BY	M. FALK
DRAWN BY	D. HUERTA
CHECKED BY	W. CHACON
PROJECT NUMBER	235241

CONCEPTUAL DESIGN

SANTA FE COUNTY, NM

QUILL WWTF PRELIMINARY ENGINEERING REPORT

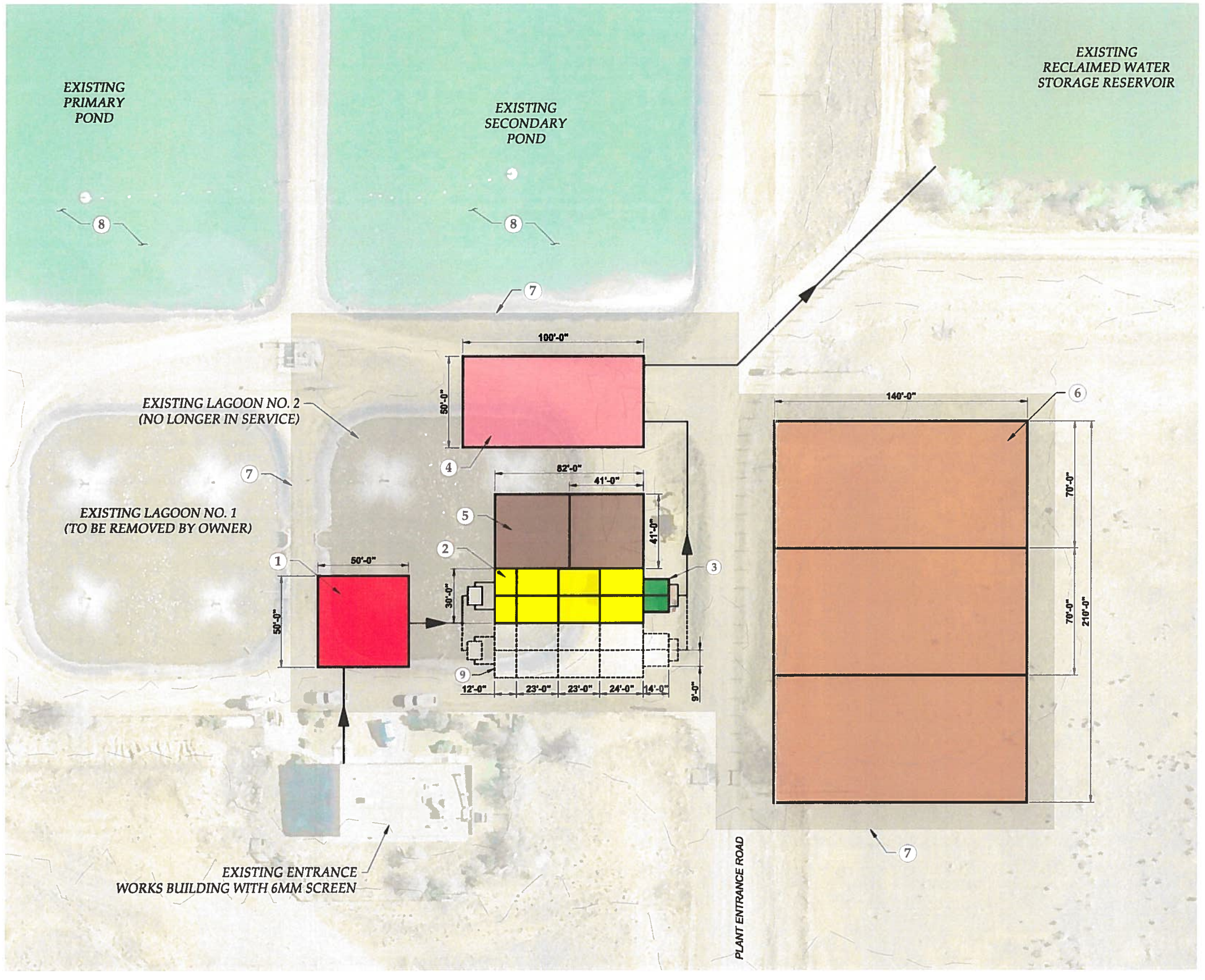
QUILL PER PROPOSED MBR SITE PLAN - 0.5 MGD

0 1" 2"

FILENAME EX-03.dwg

SCALE 1" = 30'

SHEET FIGURE 10



#	FACILITY DESCRIPTION
1	SCREENING, GRIT HANDLING FACILITY
2	AERATION BASINS: • 2 ANAEROBIC TANKS • 2 ANOXIC TANKS • 2 ANOXIC / AEROBIC TANKS • 2 AEROBIC TANKS
3	MEMBRANE TANKS
4	OPERATIONS BUILDING • PUMPS, CONTROLS AND ELECTRICAL EQUIPMENT • BLOWERS AND COMPRESSORS • UV DISINFECTION • SODIUM HYPOCHLORITE
5	AEROBIC DIGESTERS
6	CONCRETE SLUDGE DRYING BEDS
7	PROPOSED BASE COURSE
8	ADDITIVE ALTERNATE • REMOVE AND REINSTALL LINER FOR ADDITIONAL RECLAIMED WATER STORAGE
9	FUTURE EXPANSION

ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	E. DUBOIS
DESIGNED BY	M. FALK
DRAWN BY	D. HUERTA
CHECKED BY	W. CHACON
PROJECT NUMBER	235241

CONCEPTUAL DESIGN

SANTA FE COUNTY, NM

QUILL WWTF PRELIMINARY ENGINEERING REPORT

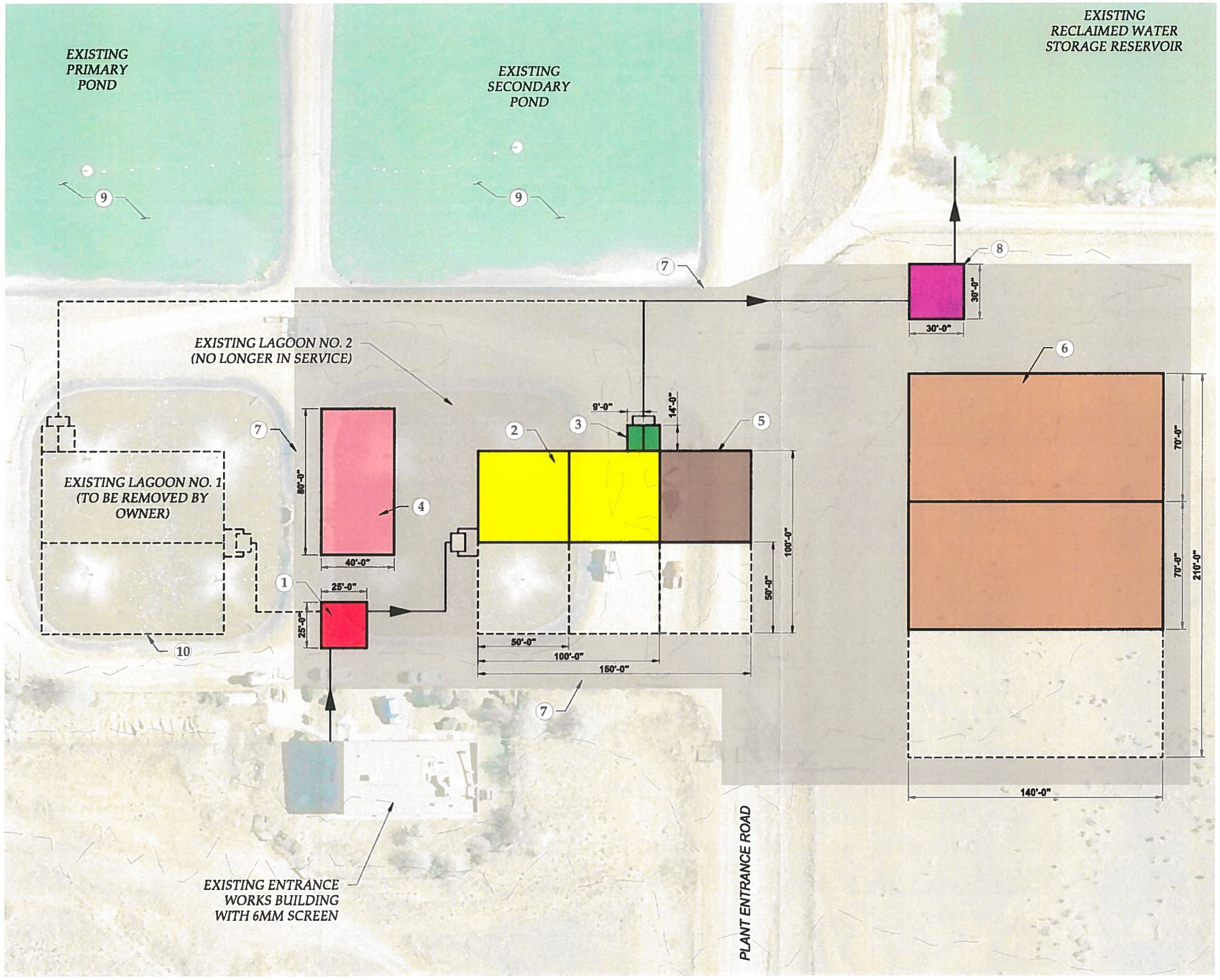
QUILL PER PROPOSED MBR SITE PLAN - 1.0 MGD

0 1" 2"

FILENAME EX-03.dwg

SCALE 1" = 30'

SHEET FIGURE 11



N

0 30' 60'

SCALE 1" = 30'

#	FACILITY DESCRIPTION
1	GRIT HANDLING FACILITY
2	SBR WITH BNR
3	EFFLUENT FILTER
4	OPERATIONS BUILDING • PUMPS, CONTROLS AND ELECTRICAL EQUIPMENT • BLOWERS AND COMPRESSORS
5	AEROBIC DIGESTERS
6	CONCRETE SLUDGE DRYING BEDS
7	PROPOSED BASE COURSE
8	UV DISINFECTION
9	ADDITIVE ALTERNATE • REMOVE AND REINSTALL LINER FOR ADDITIONAL RECLAIMED WATER STORAGE
10	FUTURE EXPANSION

ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	E. DUBOIS
DESIGNED BY	M. FALK
DRAWN BY	D. HUERTA
CHECKED BY	W. CHACON
PROJECT NUMBER	235241

CONCEPTUAL DESIGN

SANTA FE COUNTY, NM

QUILL WWTF PRELIMINARY ENGINEERING REPORT

QUILL PER PROPOSED SBR SITE PLAN - 0.5 MGD

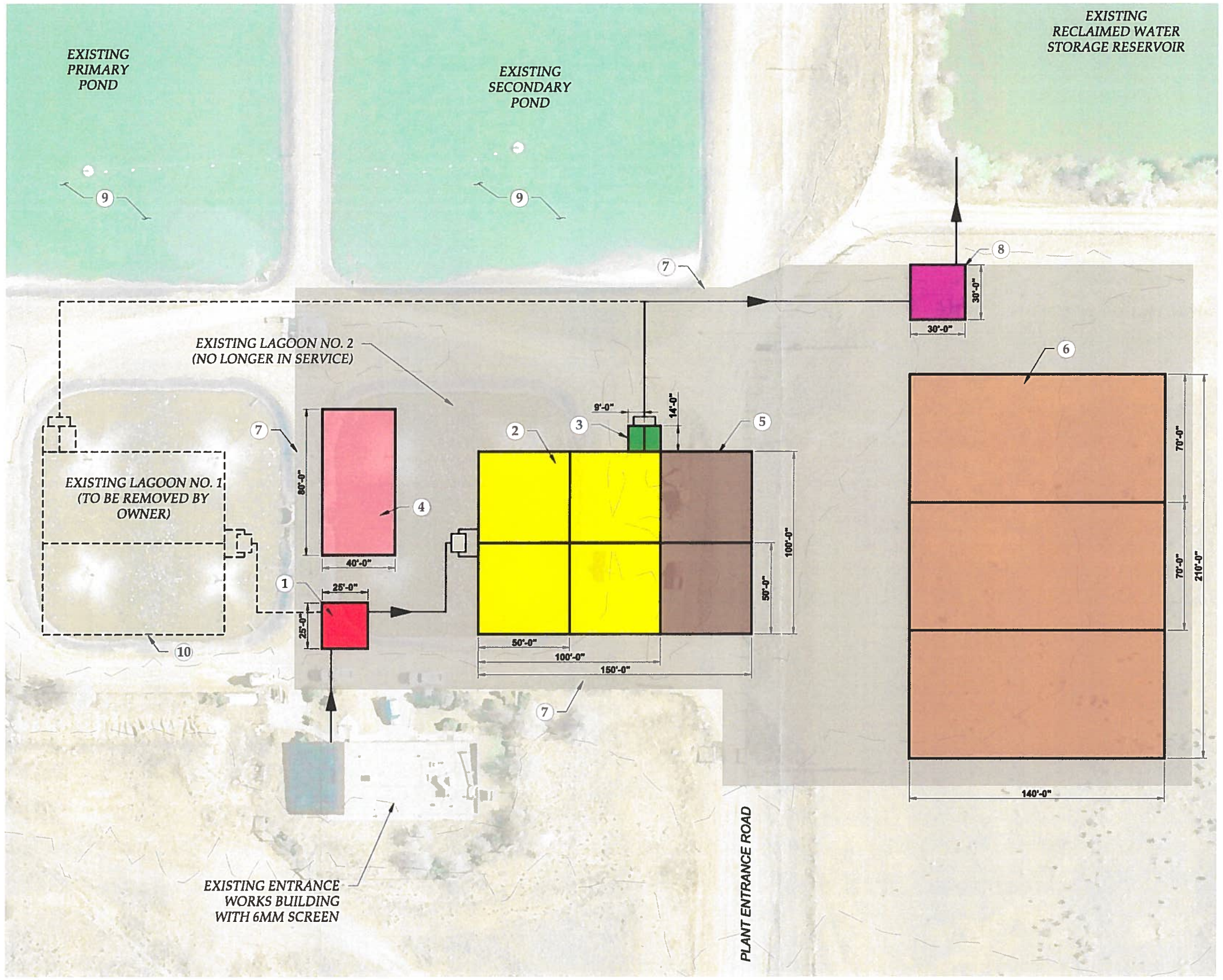
0 1" 2"

FILENAME EX-04.dwg

SCALE 1" = 30'

SHEET

FIGURE 13



N

0 30' 60'

SCALE 1" = 30'

#	FACILITY DESCRIPTION
1	GRIT HANDLING FACILITY
2	SBR WITH BNR
3	EFFLUENT FILTER
4	OPERATIONS BUILDING • PUMPS, CONTROLS AND ELECTRICAL EQUIPMENT • BLOWERS AND COMPRESSORS
5	AEROBIC DIGESTERS
6	CONCRETE SLUDGE DRYING BEDS
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ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	E. DUBOIS
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DRAWN BY	D. HUERTA
CHECKED BY	W. CHACON
PROJECT NUMBER	235241

CONCEPTUAL DESIGN

SANTA FE COUNTY, NM

QUILL WWTF PRELIMINARY ENGINEERING REPORT

QUILL PER PROPOSED SBR SITE PLAN - 1.0 MGD

0 1" 2"

FILENAME EX-04.dwg

SCALE 1" = 30'

SHEET

FIGURE 14

Operations Building
Pumps, Controls and Electrical Equipment
Blowers and Compressors
UV Disinfection
Sodium Hypochlorite

Aerobic Digesters

Sludge Drying Beds

Headworks Building
Screening/Grit Handling

Membrane Basins

Aeration Basins
Anaerobic Basins
Anoxic Basins

Splitter Boxes

Quill Wastewater Treatment Facility
Proposed Site Layout

FIGURE 15

Operations Building
Pumps, Controls and Electrical Equipment
Blowers and Compressors
UV Disinfection
Sodium Hypochlorite

Aerobic Digesters

Sludge Drying Beds

Headworks Building
Screening/Grit Handling

Membrane Basins

Aeration Basins
Anaerobic Basins
Anoxic Basins

Splitter Boxes

Quill Wastewater Treatment Facility
Proposed Site Layout

FIGURE 15