

CONSTRUCTION PLANS

SOUTH WATER RECLAMATION FACILITY

HEADWORKS

PREPARED FOR

ENGLEWOOD WATER DISTRICT



SEPTEMBER 30, 2022

BOARD OF SUPERVISORS

SYDNEY B. CRAMPTON, CHAIR
ROBERT C. STERN JR., VICE CHAIR
PHYLLIS WRIGHT
TAYLOR MEALS
SEAT #1 VACANT

LIST OF CONTACTS

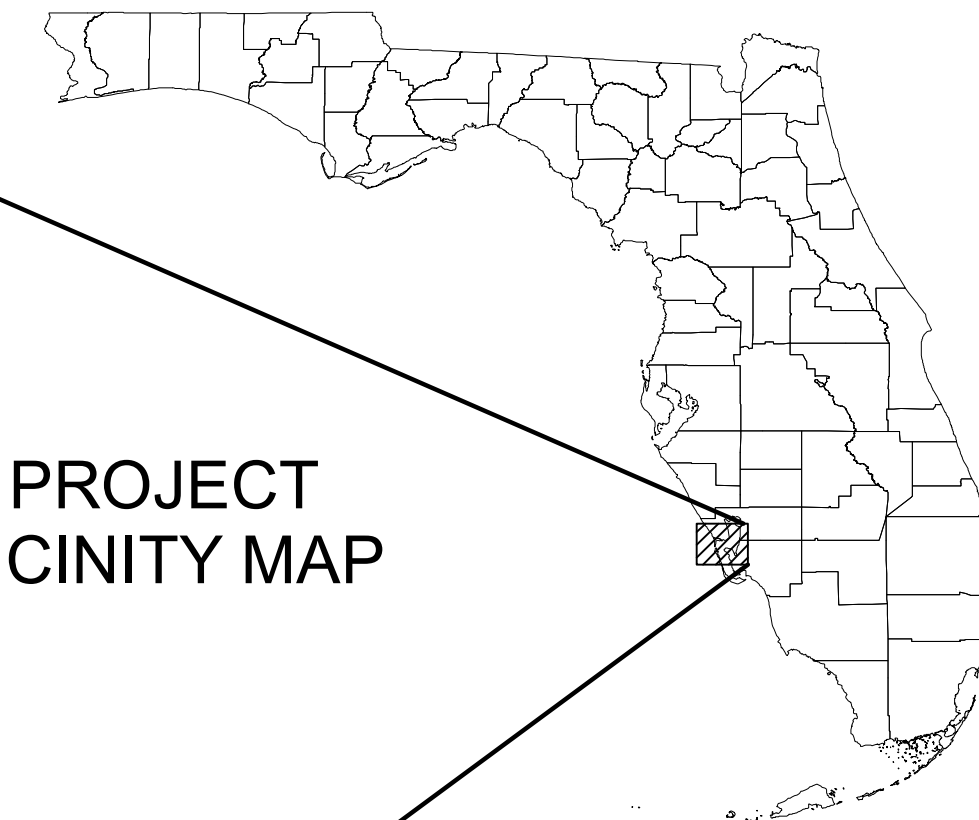
OWNER:
ENGLEWOOD WATER DISTRICT
201 SELMA AVENUE
ENGLEWOOD, FL 34223
CONTACT:
941-474-3217

ENGINEER:
KIMLEY-HORN AND ASSOCIATES
1412 JACKSON STREET
SUITE 2
FORT MYERS, FL 33901
CONTACT: HEATHER M. RIPLEY, P.E.
239-271-2650



PROJECT
LOCATION

PROJECT
VICINITY MAP



PREPARED BY

Kimley»Horn

© 2022 KIMLEY-HORN AND ASSOCIATES, INC.
189 S. ORANGE AVENUE, SUITE 1000, ORLANDO, FL 32801
PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

CONSTRUCTION PLANS

B:\M_360\7\048104001 - EWD Headworks\Headworks.rvt

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

B:\M_360_7\048104001 - EWD - Headworks\Headworks.rvt

SHEET INDEX	
SHEET NUMBER	SHEET NAME
GENERAL	
G01	COVER PAGE
G02	SHEET INDEX
G03	STANDARD LEGEND AND ABBREVIATIONS
G04	GENERAL NOTES
G05	HYDRAULIC PROFILE
G06	PROCESS FLOW DIAGRAM
CIVIL	
C01	EXISTING SITE PLAN
C02	PROPOSED SITE PLAN
C03	FINAL SITE PIPING PLAN
C04	DEMOLITION PLAN
C05	OVERALL GRADING PLAN
C06	SITE GRADING PLAN - ELECTRICAL BUILDING
C07	SITE GRADING PLAN - HEADWORKS
C08	SITE GRADING PLAN - DRYING BED (ALTERNATIVE B)
C09	SITE COORDINATE & DIMENSION PLAN
STRUCTURAL	
S01	STRUCTURAL NOTES (1 OF 2)
S02	STRUCTURAL NOTES (2 OF 2)
S03	OVERVIEW PLAN
S04	HEADWORKS TOP PLAN
S05	HEADWORKS FOUNDATION AND WALL PLANS
S06	HEADWORKS SECTIONS (1 OF 2)
S07	HEADWORKS SECTIONS (2 OF 2)
S08	ODOR CONTROL PLAN AND SECTION
S09	DUMPSTER SLAB
S10	ELECTRICAL SLAB PLAN
S11	DRYING BED PLAN, SECTIONS AND DETAILS (1 OF 2)
S12	DRYING BED PLAN, SECTIONS AND DETAILS (2 OF 2)
S13	PIPE SUPPORT DETAILS
S14	STRUCTURAL DETAILS (1 OF 2)
S15	STRUCTURAL DETAILS (2 OF 2)
MECHANICAL	
M01	PROPOSED HEADWORKS AREA PLAN
M02.1	HEADWORKS UPPER PLAN
M02.2	HEADWORKS LOWER PLAN
M02.3	HEADWORKS DETAILS
M02.4	HEADWORKS DETAILS
M02.5	HEADWORKS DETAILS
M03.1	GRIT REMOVAL PLANS & DETAILS
M03.2	GRIT REMOVAL LOWER PLAN & DETAILS
M03.3	GRIT REMOVAL DETAILS
M03.4	GRIT REMOVAL DETAILS
M04.1	MASTER INFLUENT LIFT STATION PLAN
M04.2	MASTER INFLUENT LIFT STATION PROFILE
M05.1	ODOR CONTROL RELOCATION PLAN
M05.2	ODOR CONTROL OVERALL DUCT PLAN
M05A.1	ALTERNATIVE A - MULCH BED PLAN
M05A.2	ALTERNATIVE A - MULCH BED ISOMETRIC
M05B.1	ALTERNATIVE B - SLUDGE DRYING BED PLAN 1
M05B.2	ALTERNATIVE B - SLUDGE DRYING BED PLAN 2
M05B.3	ALTERNATIVE B - SLUDGE DRYING BED DETAILS
M07	STANDARD DETAILS
M08	STANDARD DETAILS
M09	STANDARD DETAILS
HVAC	

SHEET INDEX	
SHEET NUMBER	SHEET NAME
H01	MECHANICAL SYMBOLS, ABBREVIATIONS, AND NOTES
H02	MECHANICAL SPECIFICATIONS
H03	MECHANICAL HVAC PLAN
H04	MECHANICAL SCHEDULES & DETAILS
H05	MECHANICAL ENERGY COMPLIANCE
ELECTRICAL	
E01	ELECTRICAL SYMBOLS LEGEND
E02	ELECTRICAL GENERAL NOTES AND LIGHT FIXTURE SCHEDULE
E03	EXISTING ELECTRICAL SITE PLAN
E04	PROPOSED ELECTRICAL SITE PLAN
E05	GRIT REMOVAL AND HEADWORKS POWER AND CONTROL PLAN
E06	MASTER INFLUENT LIFT STATION POWER & CONTROL PLAN
E07	HEADWORKS LIGHTING PLAN
E08	HEADWORKS LIGHTNING PROTECTION, BONDING AND GROUNDING PLAN
E09	MASTER INFLUENT LIFT STATION LIGHTNING PROTECTION, BONDING & GROUNDING PLAN
E10	ELECTRIC BUILDING AND GENERATOR ELECTRICAL, POWER & CONTROL PLAN
E11	ELECTRIC BUILDING AND GENERATOR LIGHTNING PROTECTION, BONDING AND GROUNDING PLAN
ED01	EXISTING HEADWORKS ELECTRICAL SERVICE DEMOLITION
ED02	HEADWORKS ELECTRICAL SERVICE SINGLE LINE DRAWING & ELEVATION
ED03	PANELBOARD SCHEDULES
ED04	HAZARDOUS AREA CLASSIFICATION DETAILS AND ELECTRICAL DETAILS
ED05	ELECTRICAL DETAILS
ED06	ELECTRICAL DETAILS
ED07	ELECTRICAL DETAILS
ED08	ELECTRICAL DETAILS
INSTRUMENTATION	
I01	P&ID SYMBOLS & LEGEND & DRAWING INDEX
I02	P&ID INSTRUMENTATION & CONTROLS SYMBOLS
I03	P&ID EXISTING INFLUENT METERING
I04	P&ID EXISTING HEADWORKS WETWELL TRANSFER & STATIC SCREENS
I05	P&ID EXISTING HEADWORKS SURGE TRANSFER
I06	P&ID HEADWORKS
I07	P&ID MASTER INFLUENT LIFT STATION
I08	P&ID GRIT REMOVAL
I09	P&ID HEADWORKS ODOR CONTROL
ID01	MASTER INFLUENT LIFT STATION PUMP CONTROL PANEL ELEVATION
ID02	MASTER INFLUENT LIFT STATION PUMP CONTROL PANEL ELEMENTARY DRAWING
ID03	MASTER INFLUENT LIFT STATION PUMP CONTROL PANEL ELEMENTARY DRAWING
ID04	MASTER INFLUENT LIFT STATION PUMP CONTROL PANEL ELEMENTARY DRAWING
ID05	MASTER INFLUENT LIFT STATION PUMP CONTROL PANEL ELEMENTARY DRAWING
ID06	MASTER INFLUENT LIFT STATION PUMP CONTROL PANEL ELEMENTARY DRAWING
ID07	MASTER INFLUENT LIFT STATION PUMP CONTROL PANEL ELEMENTARY DRAWING
ID08	MASTER INFLUENT LIFT STATION PUMP CONTROL PANEL ELEMENTARY DRAWING
ID09	MASTER INFLUENT LIFT STATION PUMP CONTROL PANEL ELEMENTARY DRAWING
ID10	MASTER INFLUENT LIFT STATION PUMP CONTROL PANEL ELEMENTARY DRAWING
ID11	MASTER INFLUENT LIFT STATION PUMP CONTROL PANEL ELEMENTARY DRAWING
ID12	MASTER INFLUENT LIFT STATION VFD ELEMENTARY DRAWING
ID13	I&C DETAILS
ID14	I&C DETAILS
ID15	I&C DETAILS

CONSTRUCTION PLANS

No.	Revisions	By	Date



© 2022 KIMLEY-HORN AND ASSOCIATES, INC.

1412 JACKSON STREET, SUITE 2, FORT MYERS, FL 33901
PHONE: 239-271-2650

WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 048104001
DATE SEPTEMBER 30, 2022
SCALE: AS SHOWN
DESIGNED BY: JMM
DRAWN BY: RLL
CHECKED BY: HMR

SOUTH WATER RECLAMATION FACILITY
HEADWORKS

PREPARED FOR

ENGLEWOOD WATER DISTRICT

LICENSED PROFESSIONAL:

HEATHER RIPLEY, P.E.

FL LICENSE NUMBER
88329

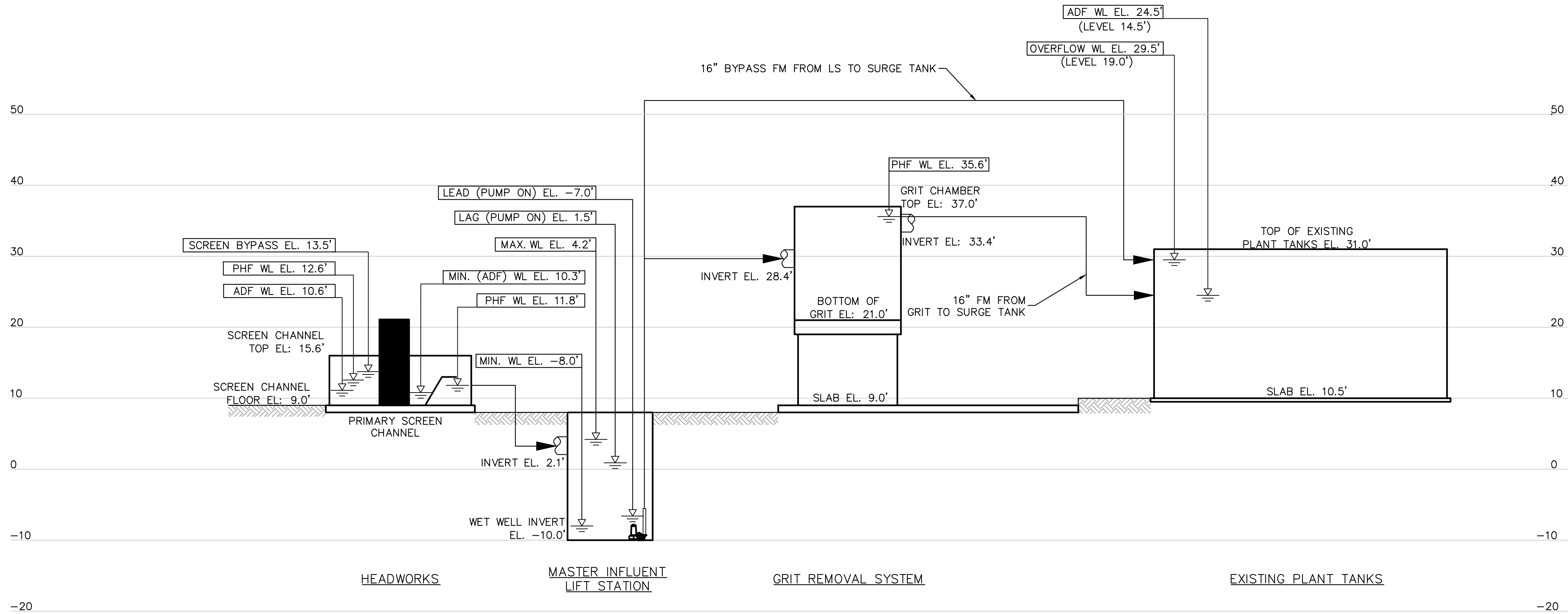
DATE:

SHEET INDEX

SHEET NUMBER

G02

P:\FTM_WaterUtilities\Projects\Englewood_Water_District\048104001_EWD_S_WRF_Headworks\CADD\PlanSheets\2022_0818_EWD - HYDRAULIC PROFILE.dwg
Plotted By: Miller, Jordan Sheet Set: Kha Layout: G04 October 28, 2022 03:31:02pm K:\FTM_WaterUtilities\Projects\Englewood_Water_District\048104001_EWD_S_WRF_Headworks\CADD\PlanSheets\2022_0818_EWD - HYDRAULIC PROFILE.dwg
This document, together with the concepts and designs presented herein, is an instrument of service and shall be without liability to Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



CONSTRUCTION PLANS

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2022 KIMLEY-HORN AND ASSOCIATES, INC.
1412 JACKSON STREET, SUITE 2, FORT MYERS, FL 33901
PHONE: 239-271-2650
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT
048104001

DATE
SEP 30, 2022

SCALE: AS SHOWN

DESIGNED BY JMM

DRAWN BY LDA

CHECKED BY HMR

**SOUTH WATER RECLAMATION FACILITY
HEADWORKS**

PREPARED FOR
ENGLEWOOD WATER DISTRICT

LICENSED PROFESSIONAL:

HEATHER RIPLEY, P.E.

FL LICENSE NUMBER
88329

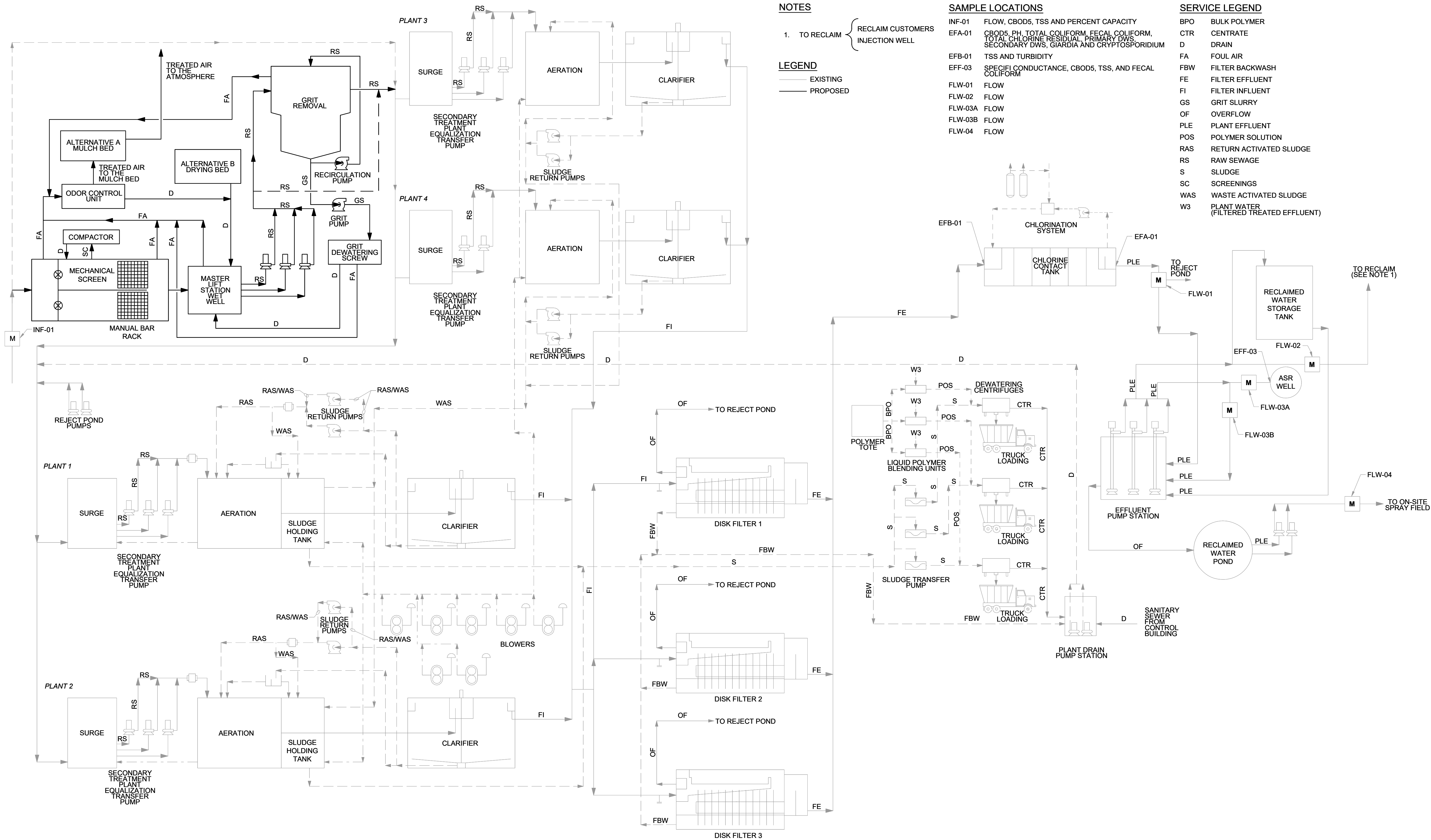
DATE:

HYDRAULIC PROFILE

SHEET NUMBER

G05

Pictured By: Miller, Jordan Sheet: Set-Kha Layout: G05 October, 31, 2022 01:25:06pm K:\FTM_WaterUtilities\Projects\Englewood Water District\048104001_EWD_S_WRF_Headworks\CADD\PlanSheets\2022_0825_PFD.dwg
this document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of any information or design is prohibited without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



CONSTRUCTION PLANS

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2022 KIMLEY-HORN AND ASSOCIATES, INC.
1412 JACKSON STREET, SUITE 2, FORT MYERS, FL 33901
PHONE: 239-271-2650
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 048104001
DATE SEP 30, 2022
SCALE: AS SHOWN
DESIGNED BY JMM
DRAWN BY JMM
CHECKED BY HMR

**SOUTH WATER RECLAMATION FACILITY
HEADWORKS**

PREPARED FOR

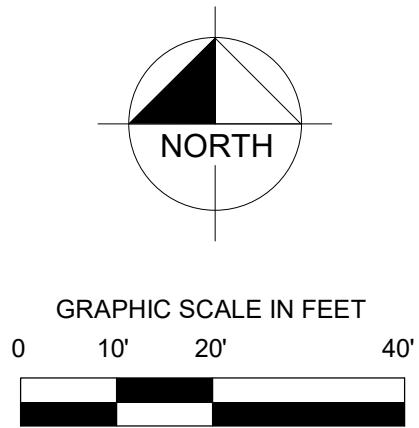
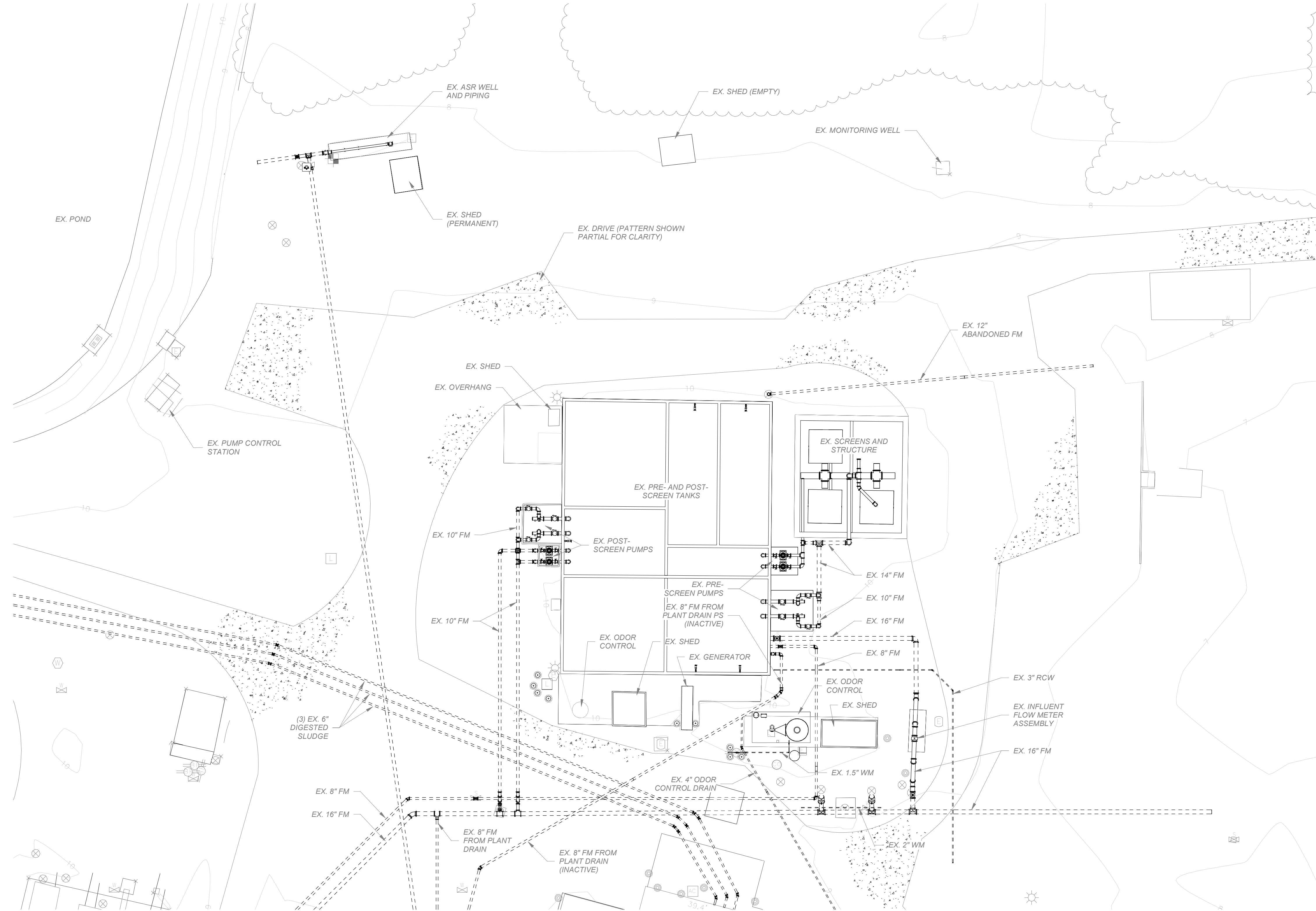
ENGLEWOOD WATER DISTRICT

LICENSED PROFESSIONAL:
HEATHER RIPLEY, P.E.
FL LICENSE NUMBER 88329
DATE:

PROCESS FLOW DIAGRAM

SHEET NUMBER

G06



CONSTRUCTION PLANS

No.	Revisions	By	Date

Kimley»Horn

© 2022 KIMLEY-HORN AND ASSOCIATES, INC.

1412 JACKSON STREET, SUITE 2, FORT MYERS, FL 33901
PHONE: 239-271-2650
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 048104001
DATE SEPTEMBER 30, 2022
SCALE: AS SHOWN
DESIGNED BY: JMM
DRAWN BY: RLL
CHECKED BY: HMR

**SOUTH WATER RECLAMATION FACILITY
HEADWORKS**

PREPARED FOR

ENGLEWOOD WATER DISTRICT

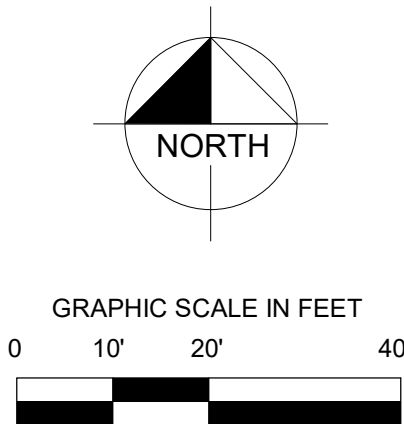
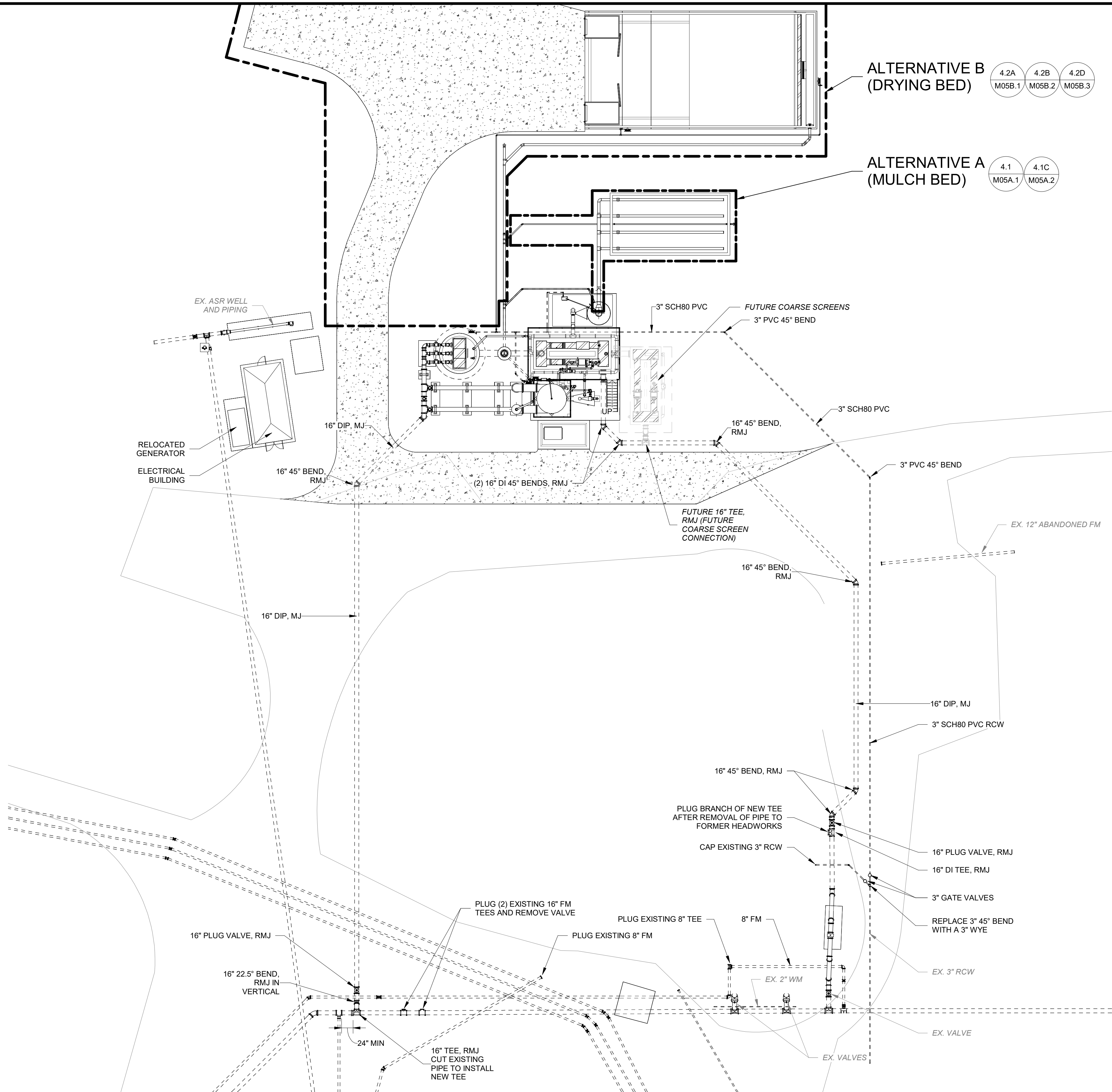
LICENSED PROFESSIONAL:
HEATHER RIPLEY, P.E.
FL LICENSE NUMBER 88329
DATE:

EXISTING SITE PLAN

SHEET NUMBER
C01

B:\M_360\7\048104001 - EWD Headworks\Headworks.rvt

B:\M_360\7\048104001 - EWD Headworks\Headworks.rvt



SITE PIPING PLAN
1" = 20'-0"

CONSTRUCTION PLANS

No.	Revisions	By	Date

Kimley»Horn

© 2022 KIMLEY-HORN AND ASSOCIATES, INC.

1412 JACKSON STREET, SUITE 2, FORT MYERS, FL 33901
PHONE: 239-271-2650
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT
048104001
DATE
SEPTEMBER 30, 2022
SCALE: AS SHOWN
DESIGNED BY: JMM
DRAWN BY: RLL
CHECKED BY: HMR

**SOUTH WATER RECLAMATION FACILITY
HEADWORKS**

PREPARED FOR
ENGLEWOOD WATER DISTRICT

LICENSED PROFESSIONAL:

HEATHER RIPLEY, P.E.

FL LICENSE NUMBER
88329

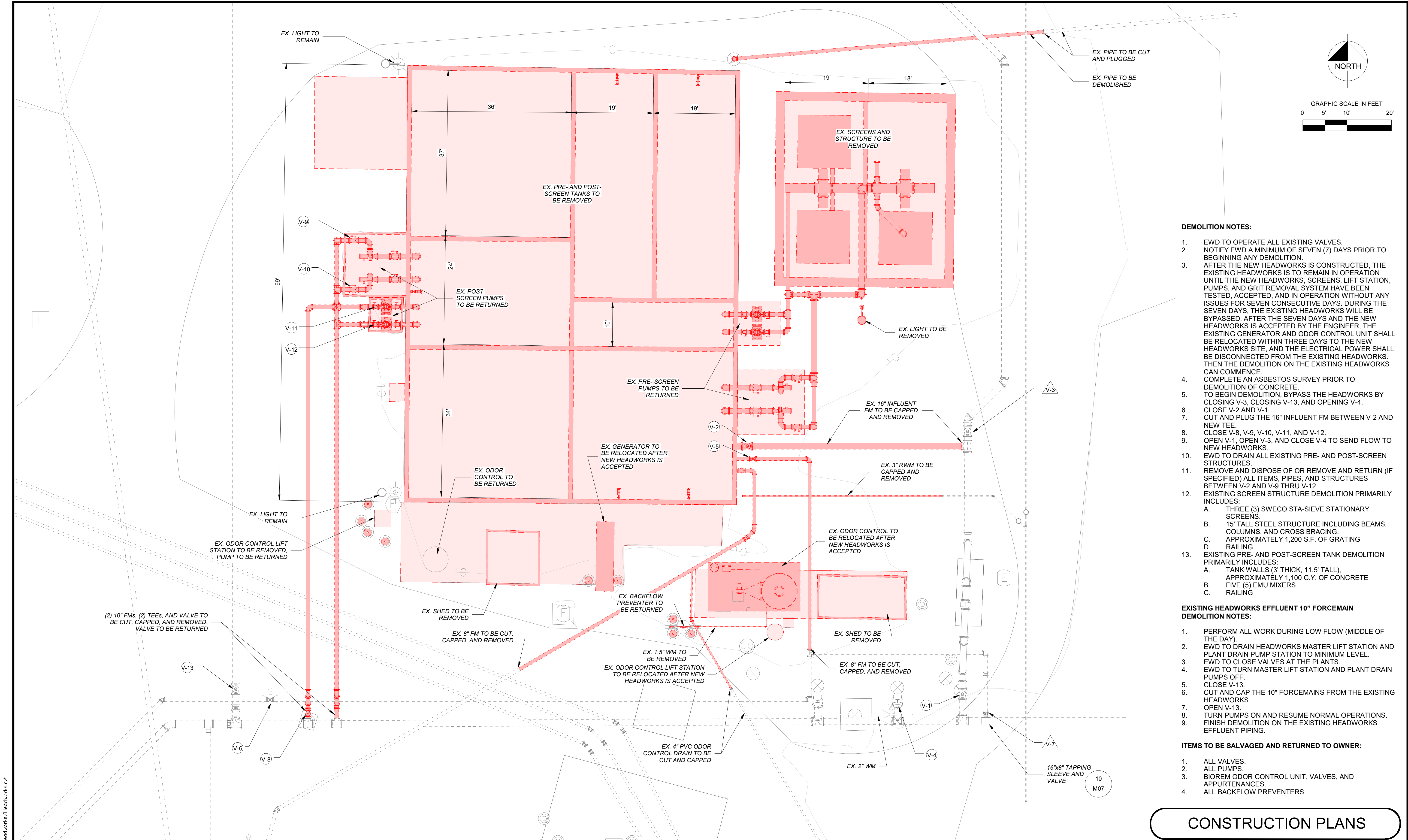
DATE:

FINAL SITE PIPING PLAN

SHEET NUMBER

C03

B:\M_360\7\048104001 - EWD Headworks\Headworks.rvt



DEMOLITION NOTES:

1. EWD TO OPERATE ALL EXISTING VALVES.
2. NOTIFY EWD A MINIMUM OF SEVEN (7) DAYS PRIOR TO BEGINNING ANY DEMOLITION.
3. AFTER THE NEW HEADWORKS IS CONSTRUCTED, THE EXISTING HEADWORKS IS TO REMAIN IN OPERATION UNTIL THE NEW HEADWORKS, SCREENS, LIFT STATION, PUMPS, AND GRIT REMOVAL SYSTEM HAVE BEEN TESTED, ACCEPTED, AND IN OPERATION WITHOUT ANY ISSUES FOR SEVEN CONSECUTIVE DAYS. DURING THE SEVEN DAYS, THE EXISTING HEADWORKS WILL BE BYPASSED. AFTER THE SEVEN DAYS AND THE NEW HEADWORKS IS ACCEPTED BY THE ENGINEER, THE EXISTING GENERATOR AND ODOR CONTROL UNIT SHALL BE RELOCATED WITHIN THREE DAYS TO THE NEW HEADWORKS SITE, AND THE ELECTRICAL POWER SHALL BE DISCONNECTED FROM THE EXISTING HEADWORKS. THEN THE DEMOLITION ON THE EXISTING HEADWORKS CAN COMMENCE.
4. COMPLETE AN ASBESTOS SURVEY PRIOR TO DEMOLITION OF CONCRETE.
5. TO BEGIN DEMOLITION, BYPASS THE HEADWORKS BY CLOSING V-3, CLOSING V-13, AND OPENING V-4.
6. CLOSE V-2 AND V-1.
7. CUT AND PLUG THE 16" INFLUENT FM BETWEEN V-2 AND NEW TEE.
8. CLOSE V-8, V-9, V-10, V-11, AND V-12.
9. OPEN V-1, OPEN V-3, AND CLOSE V-4 TO SEND FLOW TO NEW HEADWORKS.
10. EWD TO DRAIN ALL EXISTING PRE- AND POST-SCREEN STRUCTURES.
11. REMOVE AND DISPOSE OF OR REMOVE AND RETURN (IF SPECIFIED) ALL ITEMS, PIPES, AND STRUCTURES BETWEEN V-2 AND V-9 THRU V-12.
12. EXISTING SCREEN STRUCTURE DEMOLITION PRIMARILY INCLUDES:
 - A. THREE (3) SWECO STA-SIEVE STATIONARY SCREENS.
 - B. 15' TALL STEEL STRUCTURE INCLUDING BEAMS, COLUMNS, AND CROSS BRACING.
 - C. APPROXIMATELY 1,200 S.F. OF GRATING
 - D. RAILING
13. EXISTING PRE- AND POST-SCREEN TANK DEMOLITION PRIMARILY INCLUDES:
 - A. TANK WALLS (3' THICK, 11.5' TALL), APPROXIMATELY 1,100 C.Y. OF CONCRETE
 - B. FIVE (5) EMU MIXERS
 - C. RAILING

EXISTING HEADWORKS EFFLUENT 10" FORCEMAIN DEMOLITION NOTES:

1. PERFORM ALL WORK DURING LOW FLOW (MIDDLE OF THE DAY).
2. EWD TO DRAIN HEADWORKS MASTER LIFT STATION AND PLANT DRAIN PUMP STATION TO MINIMUM LEVEL.
3. EWD TO CLOSE VALVES AT THE PLANTS.
4. EWD TO TURN MASTER LIFT STATION AND PLANT DRAIN PUMPS OFF.
5. CLOSE V-13.
6. CUT AND CAP THE 10" FORCEMAINS FROM THE EXISTING HEADWORKS.
7. OPEN V-13.
8. TURN PUMPS ON AND RESUME NORMAL OPERATIONS.
9. FINISH DEMOLITION ON THE EXISTING HEADWORKS EFFLUENT PIPING.

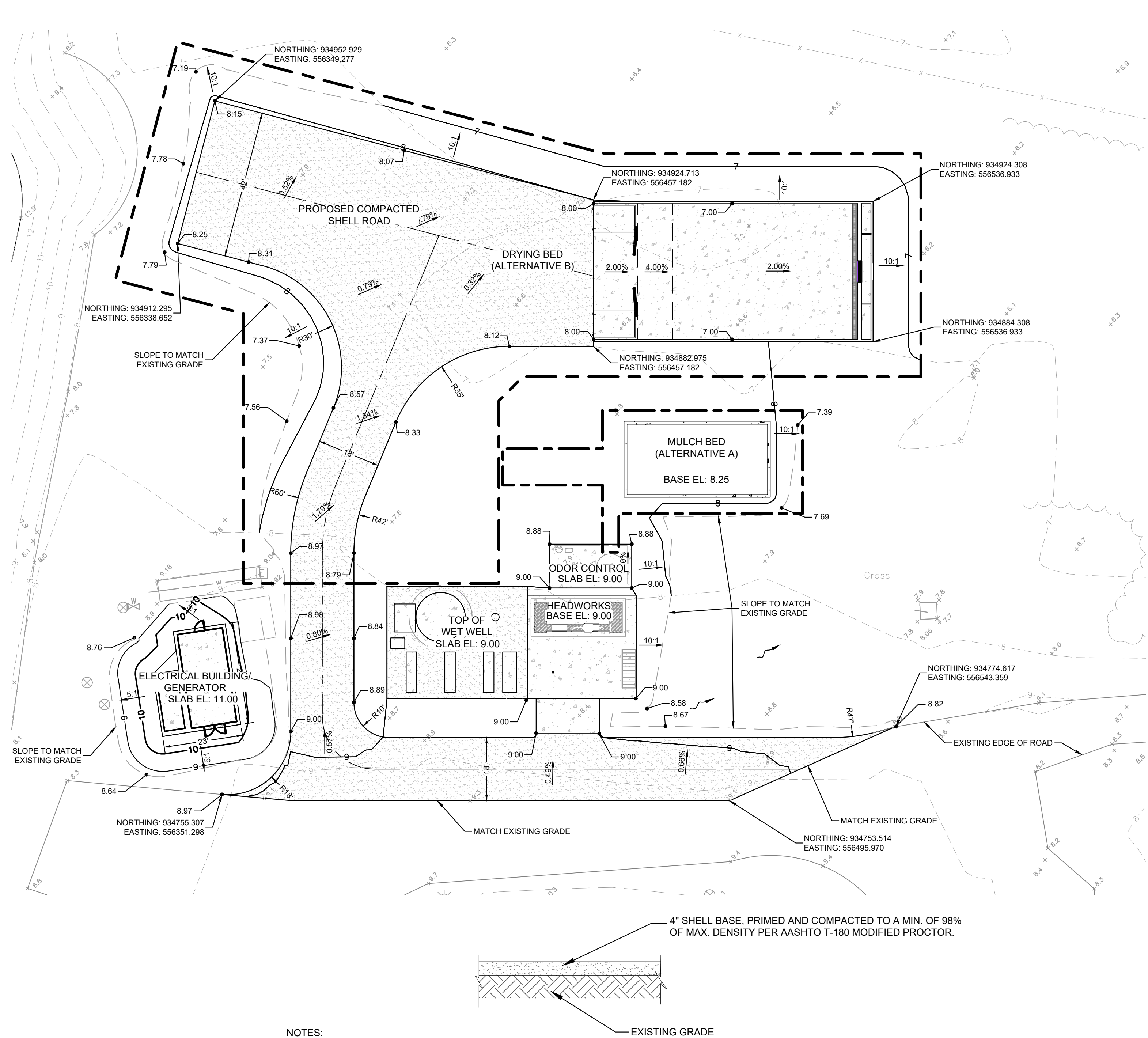
ITEMS TO BE SALVAGED AND RETURNED TO OWNER:

1. ALL VALVES.
2. ALL PUMPS.
3. BIOREM ODOR CONTROL UNIT, VALVES, AND APPURTENANCES.
4. ALL BACKFLOW PREVENTERS.

CONSTRUCTION PLANS

				Kimley»Horn © 2022 KIMLEY-HORN AND ASSOCIATES, INC. 1412 JACKSON STREET, SUITE 2, FORT MYERS, FL 33901 PHONE: 239-271-2650 WWW.KIMLEY-HORN.COM REGISTRY No. 35106	KHA PROJECT 048104001 DATE SEPTEMBER 30, 2022 SCALE: AS SHOWN DESIGNED BY: JMM DRAWN BY: RLL CHECKED BY: HMR	SOUTH WATER RECLAMATION FACILITY HEADWORKS PREPARED FOR ENGLEWOOD WATER DISTRICT	LICENSED PROFESSIONAL: HEATHER RIPLEY, P.E. FL LICENSE NUMBER 88329 DATE:	DEMOLITION PLAN	SHEET NUMBER C04	
No.	Revisions				By		Date			

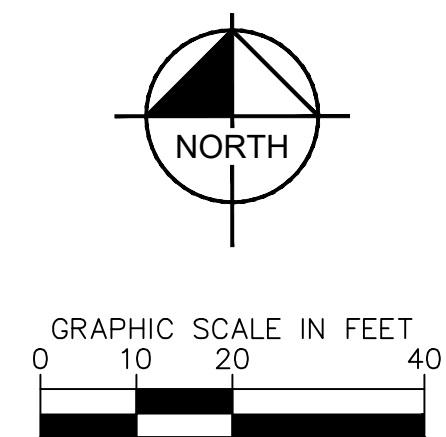
Pictured By: Miller, Jordan Sheet Set: KHA Layout: C05 October 28, 2022 03:23:06pm K:\FTM_Water\Utilities\Projects\Endeavour Water District\048104001_EWD S WRF Headworks\CADD\PlanSheets\OVERALL GRADING PLAN.dwg
This document, together with the concepts and designs presented herein, is an instrument of service, as an instrument of service, and shall be without liability to Kimley-Horn and Associates, Inc.



NOTES:

1. ALL UNPAVED AREAS DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND HYDROSEEDDED UNLESS OTHERWISE NOTED ON PLANS.

TYPICAL COMPACTED SHELL ROAD SECTION
NTS



LEGEND:

- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED COMPACTED SHELL ROAD (SEE SHEET C05 FOR DETAIL)
- PROPOSED CONCRETE

CONSTRUCTION PLANS

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2022 KIMLEY-HORN AND ASSOCIATES, INC.
189 S. ORANGE AVENUE, SUITE 1000, ORLANDO, FL 32801
PHONE: 407-898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 048104001
DATE SEP 30, 2022
SCALE: AS SHOWN
DESIGNED BY JMM
DRAWN BY RJH
CHECKED BY HMR

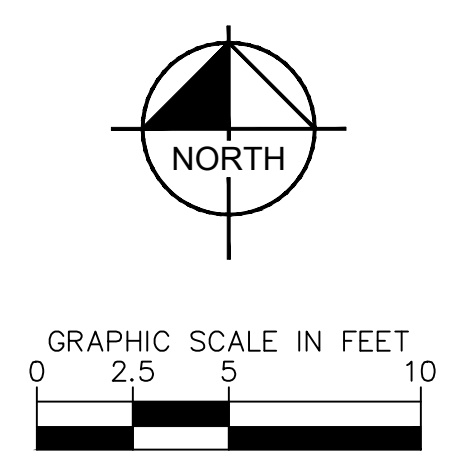
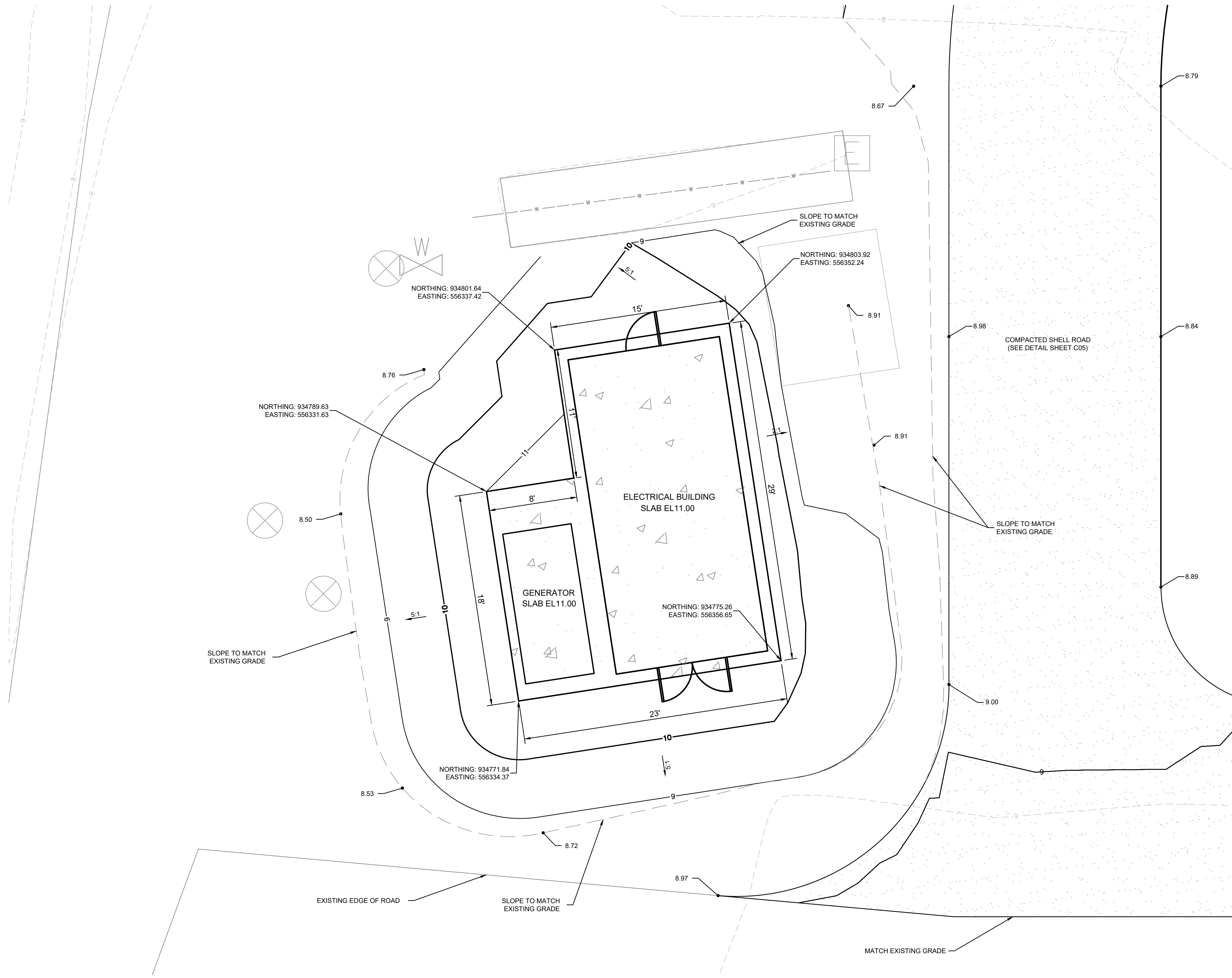
**SOUTH WATER RECLAMATION FACILITY
HEADWORKS**
PREPARED FOR
ENGLEWOOD WATER DISTRICT

LICENSED PROFESSIONAL:
HEATHER RIPLEY, P.E.
FL LICENSE NUMBER
88329
DATE:

OVERALL GRADING PLAN

SHEET NUMBER
C05

Pictured By: Miller, Jordan Sheet Set: Kha Layout: C06 October 28, 2022 03:41:01pm K:\FTM_WaterUtilities\Projects\Englewood Water District\048104001_EWD_S_WBF_Headworks\CADD\PlanSheets\EWD - GRADING AND DRAINAGE PLAN_JMM.dwg
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



- LEGEND:**
- EXISTING SPOT ELEVATION
 - PROPOSED SPOT ELEVATION
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - PROPOSED COMPACTED SHELL ROAD (SEE SHEET C05 FOR DETAIL)
 - PROPOSED CONCRETE

CONSTRUCTION PLANS

No.	REVISIONS	DATE	BY

© 2022 KIMLEY-HORN AND ASSOCIATES, INC.
189 S. ORANGE AVENUE, SUITE 1000, ORLANDO, FL 32801
PHONE: 407-898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT
048104001

DATE
SEP 30, 2022

SCALE: AS SHOWN

DESIGNED BY JMM

DRAWN BY RJH

CHECKED BY HMR

SOUTH WATER RECLAMATION FACILITY
HEADWORKS

PREPARED FOR

ENGLEWOOD WATER DISTRICT

LICENSED PROFESSIONAL:

HEATHER RIPLEY, P.E.

FL LICENSE NUMBER
88329

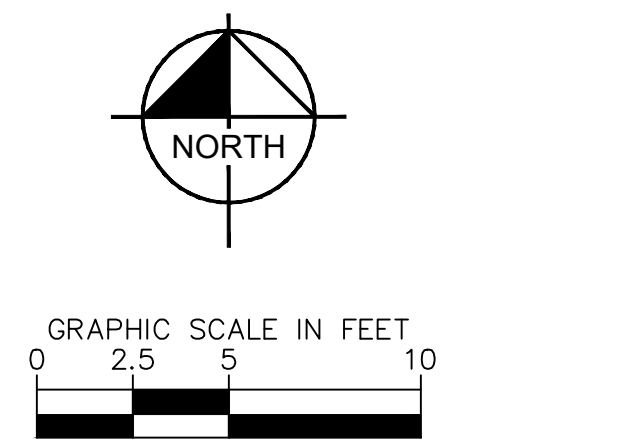
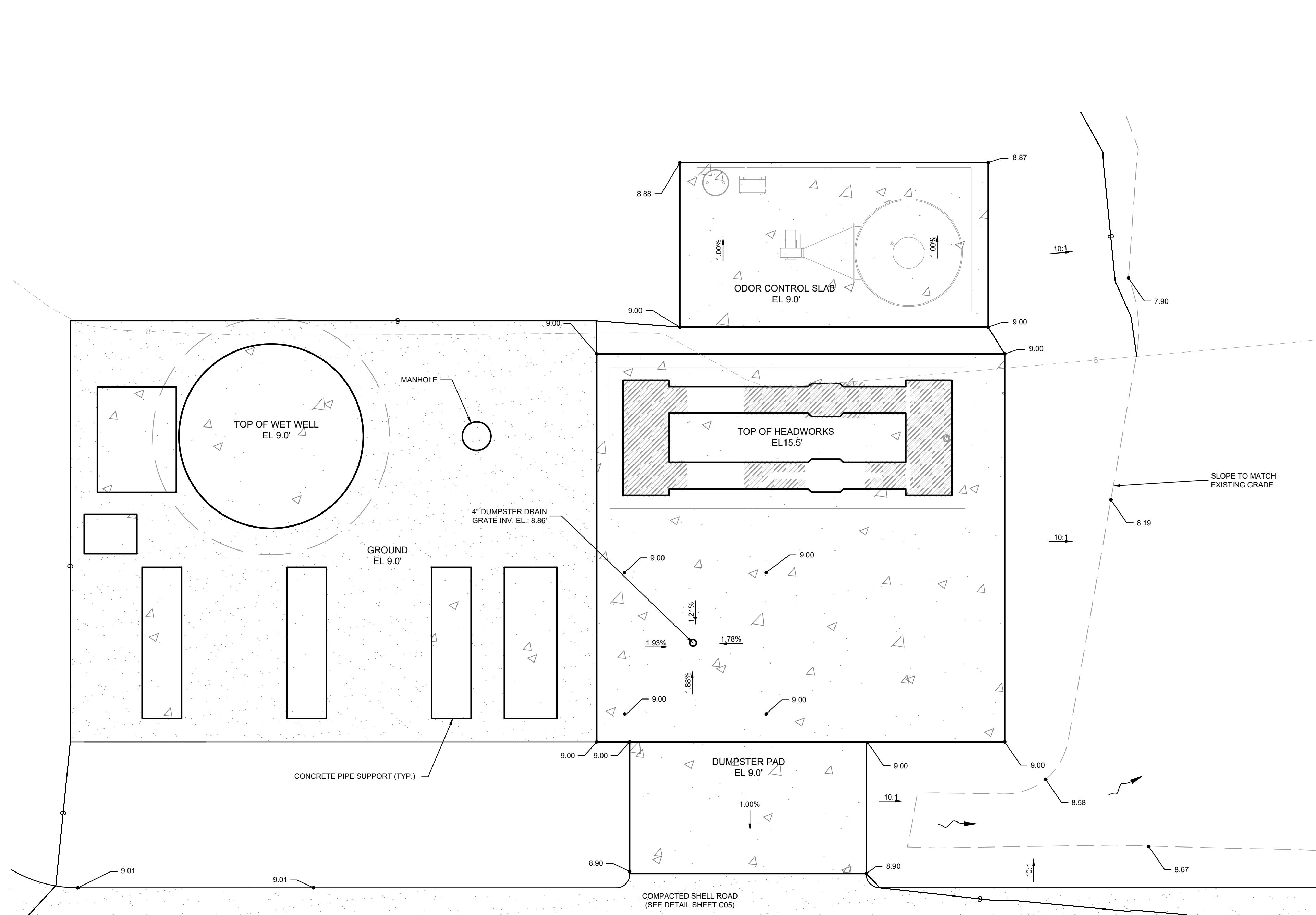
DATE:

SITE GRADING PLAN - ELECTRICAL
BUILDING

SHEET NUMBER

C06

Plotted By: Miller, Jordan Sheet Set: Kha_Layout: C07 October 28, 2022 03:20:31pm K:\FTM_WaterUtilities\Projects\Englewood Water District\048104001_EWD_S_WRF_Headworks\CADD\PlanSheets\EWD - GRADING AND DRAINAGE PLAN_JMM.dwg This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



- LEGEND:**
- EXISTING SPOT ELEVATION
 - PROPOSED SPOT ELEVATION
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - PROPOSED COMPACTED SHELL ROAD (SEE SHEET C05 FOR DETAIL)
 - PROPOSED CONCRETE

CONSTRUCTION PLANS

No.	REVISIONS	DATE	BY



© 2022 KIMLEY-HORN AND ASSOCIATES, INC.
189 S. ORANGE AVENUE, SUITE 1000, ORLANDO, FL 32801
PHONE: 407-898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT
048104001

DATE
SEP 30, 2022

SCALE: AS SHOWN

DESIGNED BY JMM

DRAWN BY RJH

CHECKED BY HMR

SOUTH WATER RECLAMATION FACILITY
HEADWORKS

PREPARED FOR

ENGLEWOOD WATER DISTRICT

LICENSED PROFESSIONAL:

HEATHER RIPLEY, P.E.

FL LICENSE NUMBER
88329

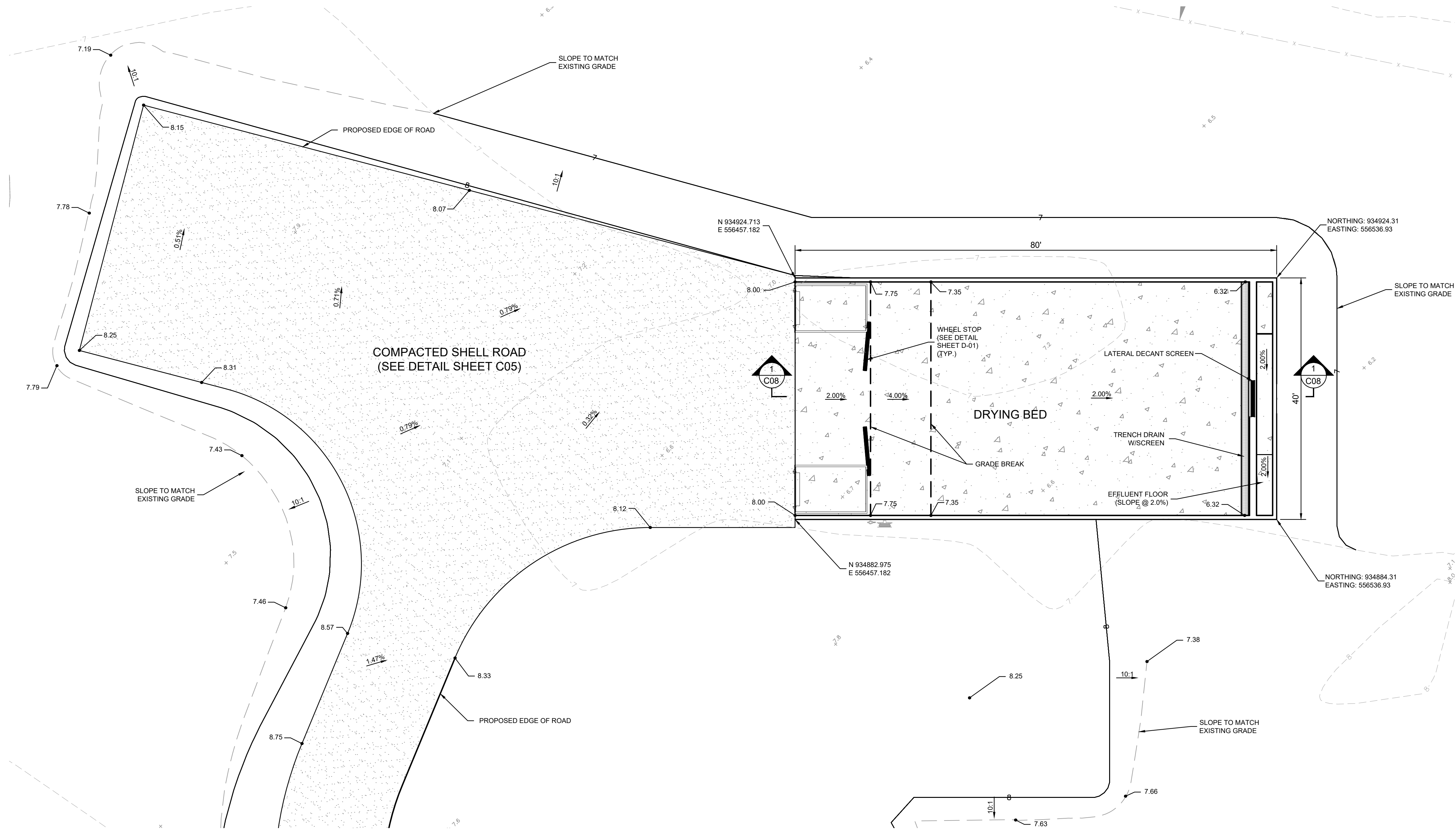
DATE:

SITE GRADING PLAN - HEADWORKS

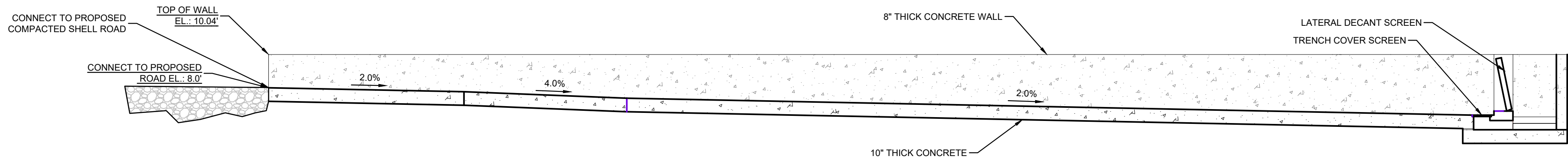
SHEET NUMBER

C07

Plotted By: Miller, Jordan Sheet Set: Kha Layout: C08 October 28, 2022 03:19:28pm K:\FTM_WaterUtilities\Projects\Englewood Water District\048104001_LWD_S_WRF_Headworks\CADD\PlanSheets\LWD - GRADING AND DRAINAGE PLAN_JMM.dwg This document, together with the concepts and designs presented herein, is an instrument of service. It is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



DRYING BED PLAN VIEW
SCALE: 1" = 5'



1 DRYING BED SECTION VIEW
SCALE: 1" = 5'

- LEGEND:**
- EXISTING SPOT ELEVATION
 - PROPOSED SPOT ELEVATION
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - PROPOSED COMPACTED SHELL ROAD (SEE SHEET C05 FOR DETAIL)
 - PROPOSED CONCRETE

CONSTRUCTION PLANS

No.	REVISIONS	DATE	BY



© 2022 KIMLEY-HORN AND ASSOCIATES, INC.
189 S. ORANGE AVENUE, SUITE 1000, ORLANDO, FL 32801
PHONE: 407-898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT
048104001

DATE
SEP 30, 2022

SCALE: AS SHOWN

DESIGNED BY JMM

DRAWN BY RJH

CHECKED BY HMR

SOUTH WATER RECLAMATION FACILITY
HEADWORKS

PREPARED FOR

ENGLEWOOD WATER DISTRICT

LICENSED PROFESSIONAL:

HEATHER RIPLEY, P.E.

FL LICENSE NUMBER
88329

DATE:

SITE GRADING PLAN - DRYING BED
(ALTERNATIVE B)

SHEET NUMBER

C08

