

Plot Date: 21-SEP-2023 10:33:52 AM

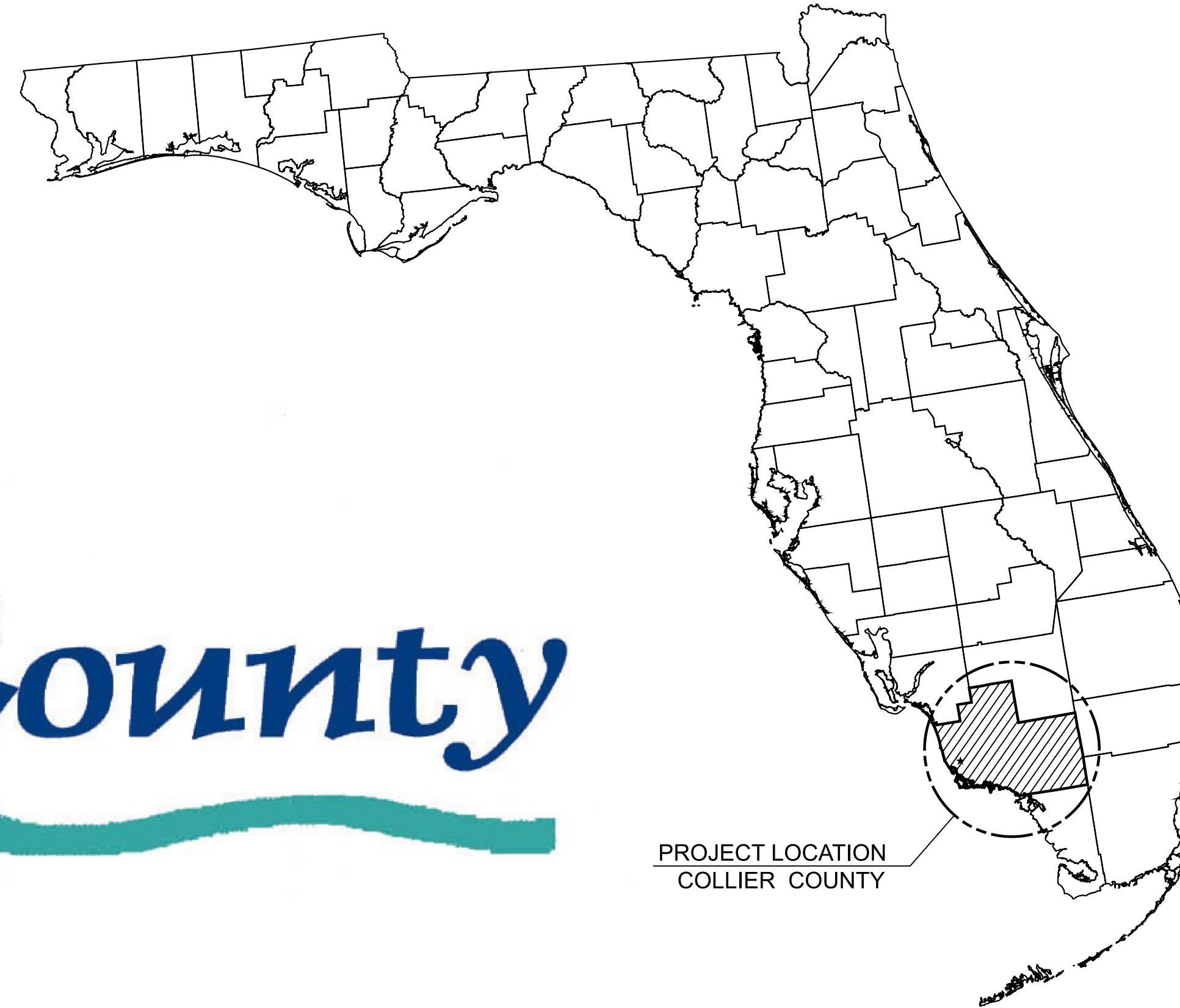
User: svcPW

Model: Layout1 ColorTable: gshade.ctb DesignScript: Carollo_Sig_Pen_v0905.pen PlotScale: 1:1

CReinbold

THE BOARD OF COLLIER COUNTY COMMISSIONERS

- DISTRICT 1 - RICK LOCASTRO
- DISTRICT 2 - CHRIS HALL
- DISTRICT 3 - BURT L. SAUNDERS
- DISTRICT 4 - DAN KOWAL
- DISTRICT 5 - WILLIAM L. MCDANIEL, JR.



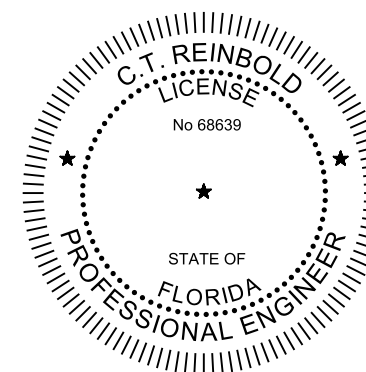
PROJECT LOCATION MAP
NO SCALE

PROJECT NO. 70136.1.6, 70136.1.8, 70165.34
CAROLLO PROJECT NO. 201922

CONSTRUCTION OF

**SOUTH COUNTY REGIONAL WATER TREATMENT PLANT FILTER
 MEDIA AND BLEND TANK PASSIVE RELIEF PROJECT**

BID SET SUBMITTAL - SEPTEMBER 2023



THIS ITEM HAS BEEN
 SIGNED BY C.T. REINBOLD
 ON THE DATE ADJACENT TO
 THE SEAL.
 PRINTED COPIES OF THIS
 DOCUMENT ARE NOT
 CONSIDERED SIGNED AND
 SEALED AND THE SIGNATURE
 MUST BE VERIFIED ON ANY
 ELECTRONIC COPIES.

Plot Date: 24-MAY-2023 8:30:32 AM

User: svcPW

PlotScale: 1:1

Model: Layout1 ColorTable: gshade.ctb DesignScript: Carollo_Sig_Pen_v0905.pen

LAST SAVED BY: BSchroeder

1 2 3 4 5 6 7 8 9 10 11 12 13

A

B

C

D

E

F

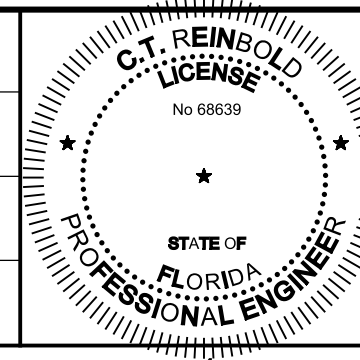
G

SHEET INDEX

SHEET	DRAWING NUMBER	TITLE
GENERAL		
1	00G01	COVER SHEET, AND LOCATION AREA MAP
2	00G02	SHEET INDEX
3	00G03	NOTES, LEGEND, AND SYMBOLS
DEMOLITION		
4	00D01	FILTERS DEMOLITION PLAN
5	00D02	FILTERS DEMOLITION SECTIONS
CIVIL		
6	00C01	SITE AND YARD PIPING PLAN
7	00C02	PIPING DETAILS
MECHANICAL		
8	00M01	FILTER MODIFICATIONS PLAN
9	00M02	FILTER MODIFICATIONS SECTION AND DETAILS

REV	DATE	BY	DESCRIPTION

DESIGNED CR
DRAWN OB
CHECKED BH
DATE MAY 2023



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY C.T. REINBOLD ON THE DATE ADJACENT TO THE SEAL ON THE COVER SHEET.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



COLLIER COUNTY
SCRWTP FILTER MEDIA REPLACEMENT
GENERAL
SHEET INDEX

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 201922
DRAWING NO. 00G02
SHEET NO. 2 OF 9

Plot Date: 24-MAY-2023 8:07:28 AM User: svcpw Model: Layout1 ColorTable: gshade.ctb DesignScript: Carollo_Sig_Pen_v0905.pen PlotScale: 1:1 LAST SAVED BY: BSchroeder

GENERAL NOTES

GENERAL NOTES (CONT'D)

DETAIL REFERENCES

HATCH PATTERNS

- FOLLOWING NOTES ARE GENERAL AND APPLY TO ALL SHEETS OF THESE CONTRACT DOCUMENTS AS IF THEY WERE WRITTEN IN THEIR ENTIRETY ON EACH SHEET.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING WORK AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS INCLUDING LOCATION AND DIMENSIONS OF ALL EXISTING CONSTRUCTION AND UTILITIES. CONTRACTOR SHALL NOTIFY ENGINEER IF THERE IS A CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND EXISTING CONSTRUCTION BEFORE PROCEEDING WITH WORK.
- UNLESS DETAILED, SPECIFIED, OR OTHERWISE INDICATED ON THE DRAWINGS, CONSTRUCTION SHALL BE AS INDICATED IN THE APPLICABLE TYPICAL DETAILS AND GENERAL NOTES. TYPICAL DETAILS SHALL APPLY EVEN THOUGH NOT REFERENCED AT SPECIFIC LOCATIONS ON DRAWINGS.
- WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF WORK, DETAILS SHALL BE IN THE SAME AS FOR OTHER SIMILAR WORK.
- CONTRACTOR SHALL COMPLY WITH LOCAL CONSTRUCTION STORM WATER DISCHARGE REGULATIONS AND REQUIREMENTS.
- PRIOR TO EXCAVATION FOR NEW STRUCTURES, ELECTRICAL CONDUIT, FABRICATION OF NEW PIPING AND/OR OTHER PROPOSED UTILITIES, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING PIPING AND UTILITIES IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL TEMPORARILY RELOCATE CONFLICTING EXISTING UTILITIES AT TIE-IN/CONNECTION LOCATIONS AND REINSTALL THEM AS REQUIRED TO ELIMINATE THE CONFLICT AT NO ADDITIONAL COST TO THE OWNER.
- ALL PIPELINES 12" AND LARGER SHALL HAVE A MINIMUM COVER OF 36" UNLESS THE COVER DEPTH IS SPECIFICALLY INDICATED ON THE DRAWINGS. PIPE SMALLER THAN 12" SHALL HAVE A MINIMUM COVER OF 30" UNLESS NOTED OTHERWISE. PIPES SHALL BE ROUTED AS SHOWN UNLESS MINOR REVISIONS ARE NECESSARY TO MISS EXISTING PIPES, STRUCTURES, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL FITTINGS AND ADAPTERS REQUIRED TO MAKE THE ROUTING CHANGES AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL INCLUDE COST FOR THIS IN THE BID.
- EXISTING FACILITY AND UTILITY INFORMATION SHOWN ON THE DRAWINGS WAS OBTAINED FROM AVAILABLE RECORDS OR ELECTRONIC FILES. NEITHER THE OWNER NOR ENGINEER ASSUMES ANY RESPONSIBILITY FOR FACILITIES AND UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN. THE CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, SIZES, MATERIAL TYPES, AND ELEVATIONS SHOWN AROUND OR NEAR AREAS OF NEW CONSTRUCTION PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT FROM DAMAGE EXISTING FACILITIES AND UTILITIES SHOWN OR NOT SHOWN THAT ARE TO REMAIN IN PLACE. ALL FACILITIES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE EXPEDITIOUSLY REPAIRED OR RECONSTRUCTED TO THE ORIGINAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE WITHOUT ADDITIONAL COMPENSATION.
- CONTRACTOR SHALL MAKE CONNECTIONS TO EXISTING PIPE, EQUIPMENT, ETC. AS REQUIRED AND SHALL PROVIDE ALL FITTINGS, ADAPTERS, AND APPURTENANCES REQUIRED TO MAKE THE CONNECTIONS. PROVIDE ALL SUPPORTS REQUIRED FOR A RIGIDLY SUPPORTED COMPLETE AND WORKING SYSTEM.
- ADJUST ALL VALVE BOXES, VAULTS, PULL BOXES, AND MANHOLES TO FINISHED GRADE UNLESS OTHERWISE SHOWN OR DIRECTED. MANHOLES IN OPEN FIELDS SHALL BE SET TWELVE INCHES ABOVE FINISHED GRADE AND VAULTS SHALL BE SIX INCHES ABOVE FINISHED GRADE.
- THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FL, INC. (SUNSHINE 811) TO COORDINATE LOCATION OF UNDERGROUND UTILITIES.
- CONTRACTOR SHALL VERIFY THAT PIPING SHOWN TO BE ABANDONED OR AS ABANDONED PREVIOUSLY IS NO LONGER IN SERVICE. LINES IN SERVICE SHALL BE MAINTAINED UNTIL NO LONGER REQUIRED BY THE PLANT.
- ALL EXISTING PIPES THAT ARE TO BE ABANDONED IN PLACE OR REMOVED MAY NOT BE SHOWN. WHERE PIPING IS TO BE ABANDONED AND MUST REMAIN IN SERVICE UNTIL COMPLETION OF OTHER PHASES OF WORK, AND IT CONFLICTS WITH NEW PIPING, TEMPORARILY RELOCATE PIPING AS REQUIRED TO MAINTAIN SERVICE BY THE PLANT.
- CONTRACTOR SHALL REROUTE THE EXISTING PIPING IF REQUIRED TO MISS THE PROPOSED STRUCTURES. THE EXISTING PIPE SHALL REMAIN IN SERVICE UNTIL NEW PIPING IS READY TO BE PLACED INTO SERVICE. DOWNTIME SHALL BE A MAXIMUM OF 2 HOURS, UNLESS SPECIFIED OR SHOWN OTHERWISE.
- THE CONTRACTOR SHALL TAKE SPECIAL PRECAUTIONS IN THE VICINITY OF ANY OVERHEAD ELECTRIC LINES. CONTRACTOR SHALL ABIDE BY THE NATIONAL ELECTRIC CODE AND ANY REQUIREMENT BY THE OWNER OF THE ELECTRIC LINES.
- PROVIDE ALL SHEETING/SHORING REQUIRED TO PROTECT EXISTING STRUCTURES, PIPES AND FACILITIES.
- ALL MATERIAL AND CONSTRUCTION METHODS USED FOR THE PROPOSED IMPROVEMENTS SHALL CONFORM WITH THE COLLIER COUNTY LAND DEVELOPMENT CODE, THE COLLIER COUNTY WATER-SEWER DISTRICT UTILITIES STANDARDS MANUAL, THE APPROVED TECHNICAL STANDARDS AND SPECIFICATIONS, AND ALL FEDERAL STATE, AND LOCAL REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES THROUGH THE DURATION OF CONSTRUCTION FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES FROM DAMAGE OR DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING SUCH MEASURES AS NECESSARY TO PROTECT THE HEALTH, SAFETY AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK SITE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS BEFORE COMMENCING WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, DISPOSE, REPAIRING, OR REPLACING ANY DAMAGED ITEMS INCLUDING, BUT NOT LIMITED TO, DRIVEWAYS, SIDEWALKS, BOLLARDS, SIGNS, STORM CULVERTS, FENCES, AND LANDSCAPING AS REQUIRED BY OWNER, ENGINEER OF RECORD, AND/OR OTHER GOVERNING ENTITIES.
- ALL DISTURBED AREAS SHALL BE RESTORED, INCLUDING REGRADING, TO THEIR ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REGRADING AND REPLANTING VEGETATION IN ALL AREAS DISTURBED BY THE CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, TOOLS, MATERIALS AND SERVICES NEEDED TO ENSURE ADEQUATE EROSION AND SEDIMENT CONTROL MEASURES. THESE MEASURES SHALL CONFORM TO THE PLANS AND SPECIFICATIONS AND ALL STATE AND LOCAL REQUIREMENTS.
- NO FIELD CHANGES OR DEVIATION FROM DESIGN SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE COUNTY IN WRITING.
- ELEVATIONS SHOWN HEREON ARE BASED ON NGVD 29 (NATIONAL GEODETIC VERTICAL DATUM 1929) UNLESS OTHERWISE NOTED.

- NO CONNECTIONS TO, OR ANY OTHER CONSTRUCTION SHALL BE PERFORMED ON AN EXISTING UTILITY MAIN OR STRUCTURE WITHOUT THE PRESENCE OF A COLLIER COUNTY UTILITY INSPECTOR.
- CONTRACTOR SHALL CONFIRM LIMITS OF STAGING ARE WITH PLANT MANAGER.
- EXCAVATION MUST MEET OSHA REQUIREMENTS AND CONTRACTOR SHALL CONFORM TO THE GUIDELINES SET FOR IN THE TRENCH SAFETY ACT THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR SHALL PROVIDE WRITTEN ASSURANCE THAT THE TRENCH EXCAVATION WILL COMPLY WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
- CONTRACTORS SHALL BE RESPONSIBLE FOR THE LOCATION AND IDENTIFICATION OF ALL EXISTING UTILITIES AND UNDERGROUND PIPELINES IN CONSTRUCTION AREA. ANY DAMAGES TO EXISTING UTILITIES OR UNDERGROUND PIPELINES ON OR OFF THE PROPERTY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL REPAIR WORK SHALL MEET THE APPROVAL OF THE OWNER OF THE DAMAGED UTILITY. NO REIMBURSEMENT WILL BE ALLOWED FOR UTILITY/ PIPE REPAIR OR REPLACEMENT. CONTRACTOR SHALL BE AWARE THAT THIS IS AN EXISTING WATER TREATMENT PLANT SITE. NEW WORK HAS BEEN DESIGNED BASED ON THE BEST AVAILABLE INFORMATION TO UTILITIES MAY REQUIRE MINOR FIELD ADJUSTMENTS OR HAND DIGGING TO MINIMIZE DAMAGE TO EXISTING FEATURES.
- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO DEMOLITION AND CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- DEMOLITION WORK SHALL BE PERFORMED SO AS NOT TO DISTURB ANY STRUCTURES, PIPING, AND UTILITIES THAT ARE TO REMAIN. ALL DAMAGES MUST BE REPAIRED IMMEDIATELY AND RESTORED TO ORIGINAL WORKING CONDITIONS.
- AFTER DEMOLITION, RESTORE EXISTING SURFACES AT DEMOLITION SITE BY REMOVING IRREGULARITIES, AND STABILIZING WITH GRANULAR MATERIALS OR SOD AS NEEDED SO THAT SURFACES APPEAR CONSISTENT WITH SURROUNDINGS.
- PHOTOGRAPHS SHOWN FOR CLARITY, CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING ALL WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- ALL DEBRIS FROM DEMOLITION TO BE DISPOSED OF PROPERLY OFFSITE, EXCEPT WHEN NOTED OTHERWISE.

SYMBOLS

BRACKET		PIPE CONTINUATION (SINGLE LINE)	
BREAK LINE		KEY TAG	
PIPE BREAK PLAN VIEW		KEY NOTE	
PIPE BREAK CROSS SECTION		REVISION DELTA	
SCALE		EXISTING ELEVATION	$\frac{T.O.W. XXXX.X\pm}{(EXIST)}$
NORTH ARROW/PLANT NORTH		ELEVATION	$\frac{TOC XXXX.XX}{}$
PIPE TAG		EQUIPMENT/DEVICE TAG AND NUMBER	$\frac{XXX-XX-XXXX}{EQUIPMENT}$
			EX-EQUIP = EXISTING EQUIPMENT EF-EQUIP = FUTURE EQUIPMENT
		PIPE SIZE	$\frac{X" XXX}{}$
		FLOW STREAM	$\frac{SIZE FLOW STREAM}{EX-SIZE FLOW STREAM = EXISTING}$ $\frac{EX-SIZE FLOW STREAM = FUTURE}{}$
		UNDERGROUND/OVERHEAD WARNING (STATE/REGION SPECIFIC)	

**Know what's below.
Call before you dig.**

PLAN/TITLE
A PLAN TITLE
FILE: FILE
PLAN NOT REFERENCED

SECTION CUT
C VIEW
- = SHOWN ON SAME DRAWING
##X## = SEE INDICATED DRAWING

SECTION OR DETAIL TITLE W/ REFERENCE
C/1 SECTION/DETAIL TITLE
ALPHA = SECTION NUMERIC = DETAIL
SCALE: SCALE
FILE: FILE
DRAWING CUT ORIENTATION

DETAIL CALL-OUT (ENLARGED)
1 VIEW
##X## SEE INDICATED DRAWING

DRAWING REFERENCE
##X##
AREA DESIGNATOR (WHEN APPLICABLE)
DISCIPLINE DESIGNATOR
CONSECUTIVE SHEET NUMBER

TYPICAL DETAIL REFERENCE
? TYP
TYPICAL DETAIL #

EXTERIOR ELEVATION VIEWS
A ##X##

PHOTO LOCATION

ARROW INDICATES POINT OF VIEW

GRID BUBBLE
A 1

TYPICAL DETAIL NUMBER
? TYP

LINE 3
LINE 1
LINE 2

MOD - MODIFICATION NOTE
S = STANDARD
J = JOB SPECIFIC
R = REVISED
N = NOTE TO TYPICAL DETAIL USER

SHT # OF # - SHEETS IN DETAIL
VER DATE - DATE CREATED (REVISED)

AGGREGATE BASE COURSE (ABC)		GRATING	
ASPHALT PAVING		LANDSCAPING	
(WITH AERIAL)		RIPRAP	
BEDROCK		EXISTING/ UNDISTURBED SOIL	
CLSM		STRUCTURAL FILL OR BACKFILL	
CONCRETE (ALL CLASSES)		STEEL	
DRAIN ROCK		TREAD PLATE	
DEMOLISH AND DISPOSE		STAGING AREA	
GRAVEL		DEMOLISH AND SALVAGE	

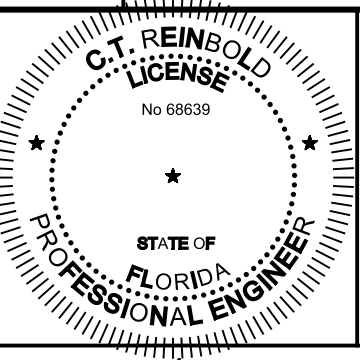
LINE WORK

	NEW	EXISTING
CONSTRUCTION		
FENCE		
GUARDRAIL		
FUTURE CONSTRUCTION		
CENTER LINE		
HIDDEN LINE		
REMOVE AND/OR ABANDON		
GATE		
MATCH LINE		

MATCH LINE SEE DWG ##X##

REV	DATE	BY	DESCRIPTION
1			
2			
3			

DESIGNED	CR
DRAWN	OB
CHECKED	BH
DATE	MAY 2023



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY C.T. REINBOLD ON THE DATE ADJACENT TO THE SEAL ON THE COVER SHEET.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

carollo

301 NORTH CATTLEMEN ROAD, SUITE 302
SARASOTA, FL. 34232
PHONE: (941) 371-9832 FAX: (941) 371-9873
CA 00008571



COLLIER COUNTY

SCRWTP FILTER MEDIA REPLACEMENT

GENERAL

NOTES, LEGEND, AND SYMBOLS

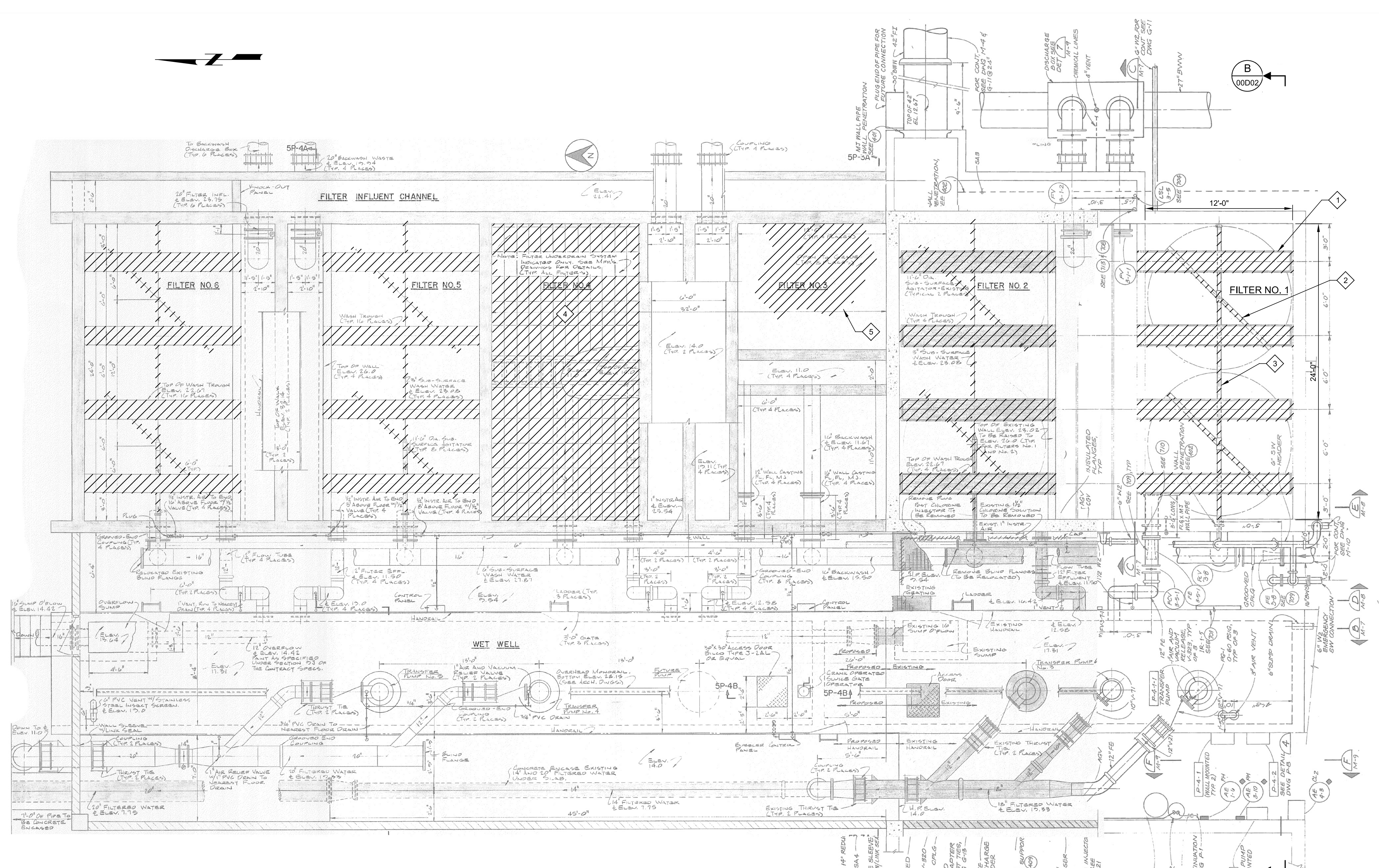
VERIFY SCALES	JOB NO. 201922
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. 00G03
0 1"	SHEET NO. 3 OF 9

Plot Date: 24-MAY-2023 8:30:28 AM

User: sncPW

Model: Layout1 ColorTable: gshade.ctb DesignScript: Carollo_Sig_Pen_v0905.pen PlotScale: 1:1

LAST SAVED BY: BSchroeder



A PLAN
 SCALE: NO SCALE
 FILE: 20192200D01A

- GENERAL NOTES:**
- EXISTING RECORD DRAWING INFORMATION OBTAINED FROM 1984 AND 1986 LIME SOFTENING CONSTRUCTION DRAWINGS.
 - NOT ALL MECHANICAL EQUIPMENT SHOWN IN EACH FILTER FOR CLARITY. DEMOLITION SCOPE OF WORK SHALL BE SIMILAR IN NATURE FOR ALL FILTERS.
 - CONTRACTOR TO COORDINATE WITH THE COUNTY PRIOR TO DISPOSAL OF MATERIALS FOR APPROVAL.
 - CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS IN ALL FILTERS PRIOR TO STARTING WORK.
- KEY NOTES:**
- DEMOLISH AND DISPOSE OF EXISTING FRP FILTER WASH TROUGH (TYP ALL FILTERS) REMOVE MECHANICAL ANCHORS AND DISPOSE.
 - REMOVE AND DISPOSE OF EXISTING 11'-6" DIA. SUB-SURFACE AGITATOR (TYP ALL FILTERS)
 - DEMOLISH AND DISPOSE OF EXISTING 3" AND 4" SUB-SURFACE WASH WATER PIPING (TYP ALL FILTERS)
 - DEMOLISH AND DISPOSE EXISTING CLAY TILE UNDERDRAIN SYSTEM. FOR ANY EMBEDDED ANCHORS, CUT FLUSH TO 1" BELOW CONCRETE SURFACE, APPLY HIGH SOLIDS EPOXY, AND REPAIR CONCRETE WITH POLYMER MODIFIED CONCRETE REPAIR MATERIAL. (TYP ALL FILTERS)
 - REMOVE AND DISPOSE OF ALL EXISTING FILTER MEDIA (ANTHRACITE, SILICA SAND AND GRAVEL) (TYP ALL FILTERS).

REV	DATE	BY	DESCRIPTION
1			
2			
3			

DESIGNED CR	
DRAWN OB	
CHECKED BH	
DATE MAY 2023	

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY C.T. REINBOLD ON THE DATE ADJACENT TO THE SEAL ON THE COVER SHEET.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Carollo

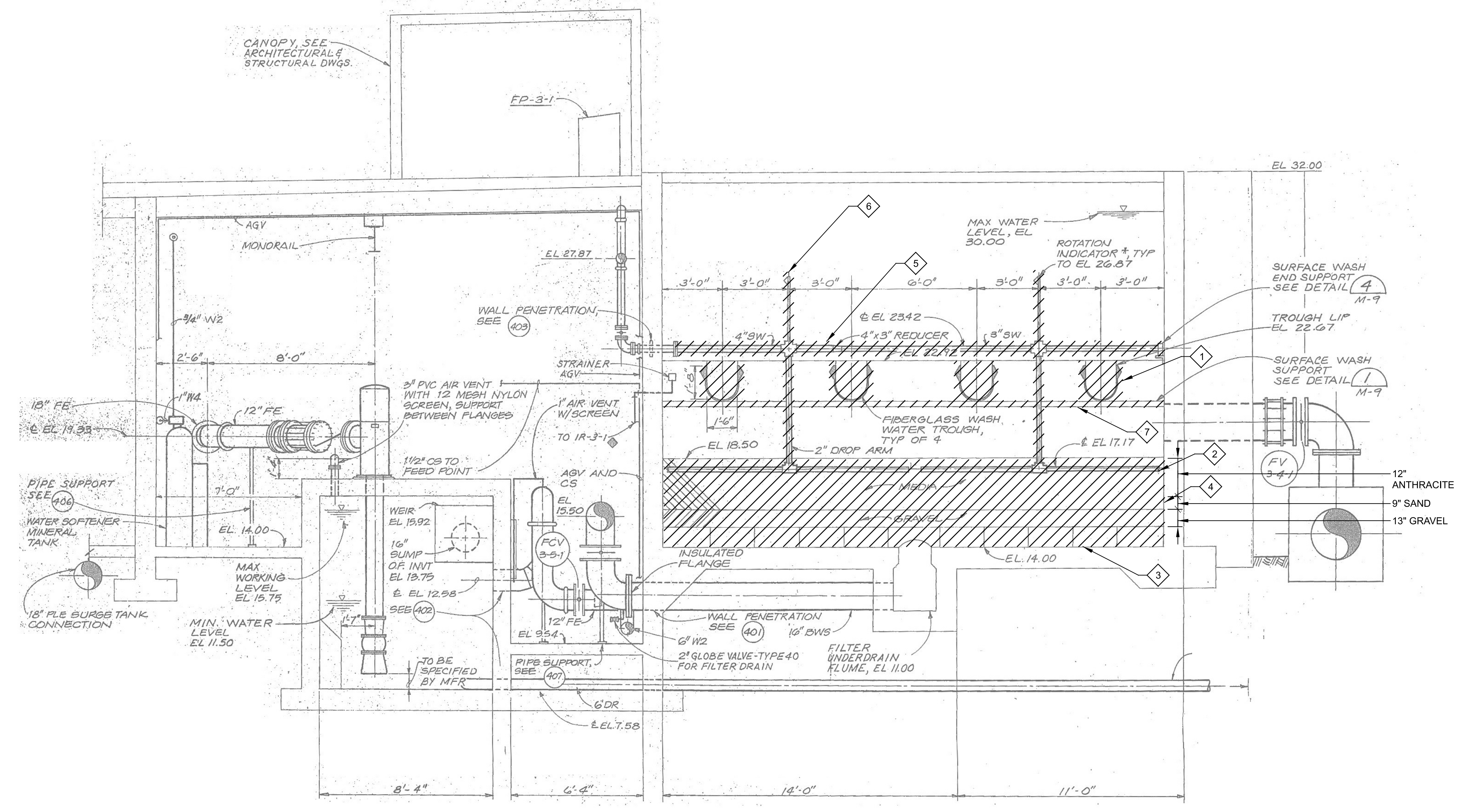
301 NORTH CATTLEMAN ROAD, SUITE 302
 SARASOTA, FL. 34232
 PHONE: (941) 371-9832 FAX: (941) 371-9873
 CA 00008571

Collier County

COLLIER COUNTY
 SCRWTP FILTER MEDIA REPLACEMENT
 DEMOLITION
**FILTERS
 DEMOLITION PLAN**

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	JOB NO. 201922
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DRAWING NO. 00D01
	SHEET NO. 4 OF 9

Plot Date: 24-MAY-2023 8:30:33 AM
 User: svcpw
 PlotScale: 1:1
 DesignScript: Carollo_Sig_Pen_v0905.pen
 ColorTable: gshade.ctb
 Model: Layout1
 ColorTable: gshade.ctb
 LAST SAVED BY: BSchroeder



- GENERAL NOTES:**
- EXISTING RECORD DRAWING INFORMATION OBTAINED FROM 1984 AND 1986 LIME SOFTENING CONSTRUCTION DRAWINGS.
 - CONTRACTOR TO COORDINATE WITH THE COUNTY PRIOR TO DISPOSAL OF MATERIALS FOR APPROVAL.
 - CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS IN ALL FILTERS PRIOR TO STARTING WORK.
- KEY NOTES:**
- DEMOLISH AND DISPOSE OF EXISTING FRP FILTER WASH THROUGHS (TYP ALL FILTERS), REMOVE MECHANICAL ANCHORS AND DISPOSE.
 - REMOVE AND DISPOSE OF EXISTING 11'-6" DIA. SUB-SURFACE AGITATOR (TYP ALL FILTERS)
 - DEMOLISH AND DISPOSE EXISTING CLAY TILE UNDERDRAIN SYSTEM, FOR ANY EMBEDDED ANCHORS, CUT FLUSH TO 1" BELOW CONCRETE SURFACE, APPLY HIGH SOLIDS EPOXY, AND REPAIR CONCRETE WITH POLYMER MODIFIED CONCRETE REPAIR MATERIAL.
 - REMOVE AND DISPOSE OF ALL EXISTING FILTER MEDIA (ANTHRACITE, SILICA SAND, AND GRAVEL) (TYP ALL FILTERS) MEDIA DEPTHS SHOWN ARE APPROXIMATE FROM RECORD DRAWINGS.
 - DEMOLISH AND DISPOSE OF EXISTING 3" AND 4" SUB-SURFACE WASH WATER PIPING (TYP ALL FILTERS)
 - DEMOLISH AND DISPOSE OF EXISTING ROTATION INDICATORS (TYP ALL FILTERS).
 - DEMOLISH AND DISPOSE OF EXISTING SURFACE WASH TROUGH SUPPORT (TYP ALL FILTERS)

DEMOLITION FILTERS 1-6

B SECTION

00D01 SCALE: NO SCALE
FILE: 20192200G02A

REV	DATE	BY	DESCRIPTION

DESIGNED CR	
DRAWN OB	
CHECKED BH	
DATE MAY 2023	

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY C.T. REINBOLD ON THE DATE ADJACENT TO THE SEAL ON THE COVER SHEET.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

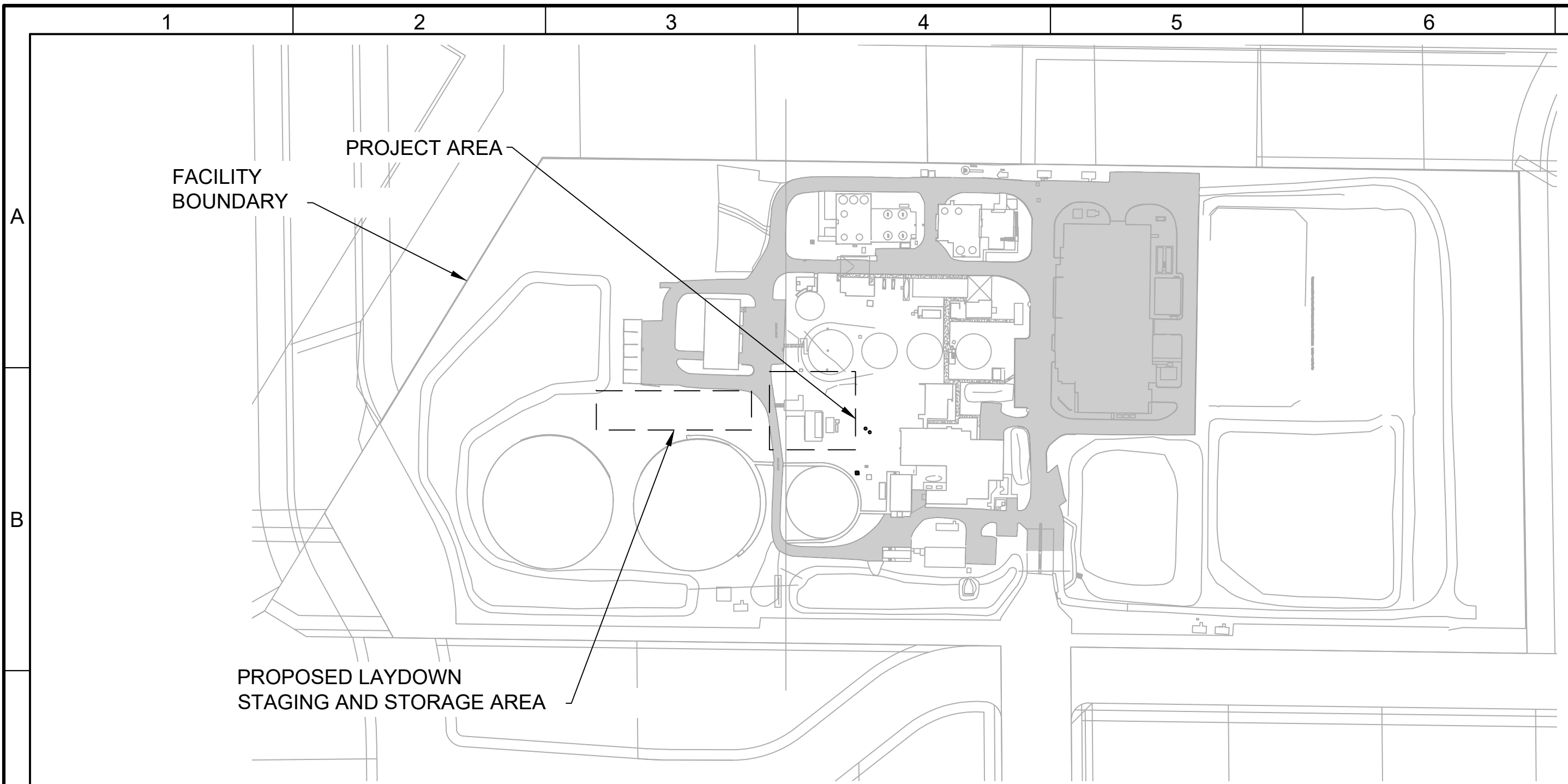
carollo

301 NORTH CATTLEMAN ROAD, SUITE 302
SARASOTA, FL. 34232
PHONE: (941) 371-9832 FAX: (941) 371-9873
CA 00008571

Collier County

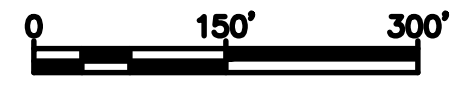
COLLIER COUNTY
SCRWTP FILTER MEDIA REPLACEMENT
DEMOLITION
FILTER SECTION

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	JOB NO. 201922 DRAWING NO. 00D02 SHEET NO. 5 OF 9
--	---



PARCEL ID: 298280001
 ZONING DESIGNATION: A; RES81-227

LOCATION MAP
A PLAN
 SCALE: 1" = 150'
 FILE: 20192200C0101

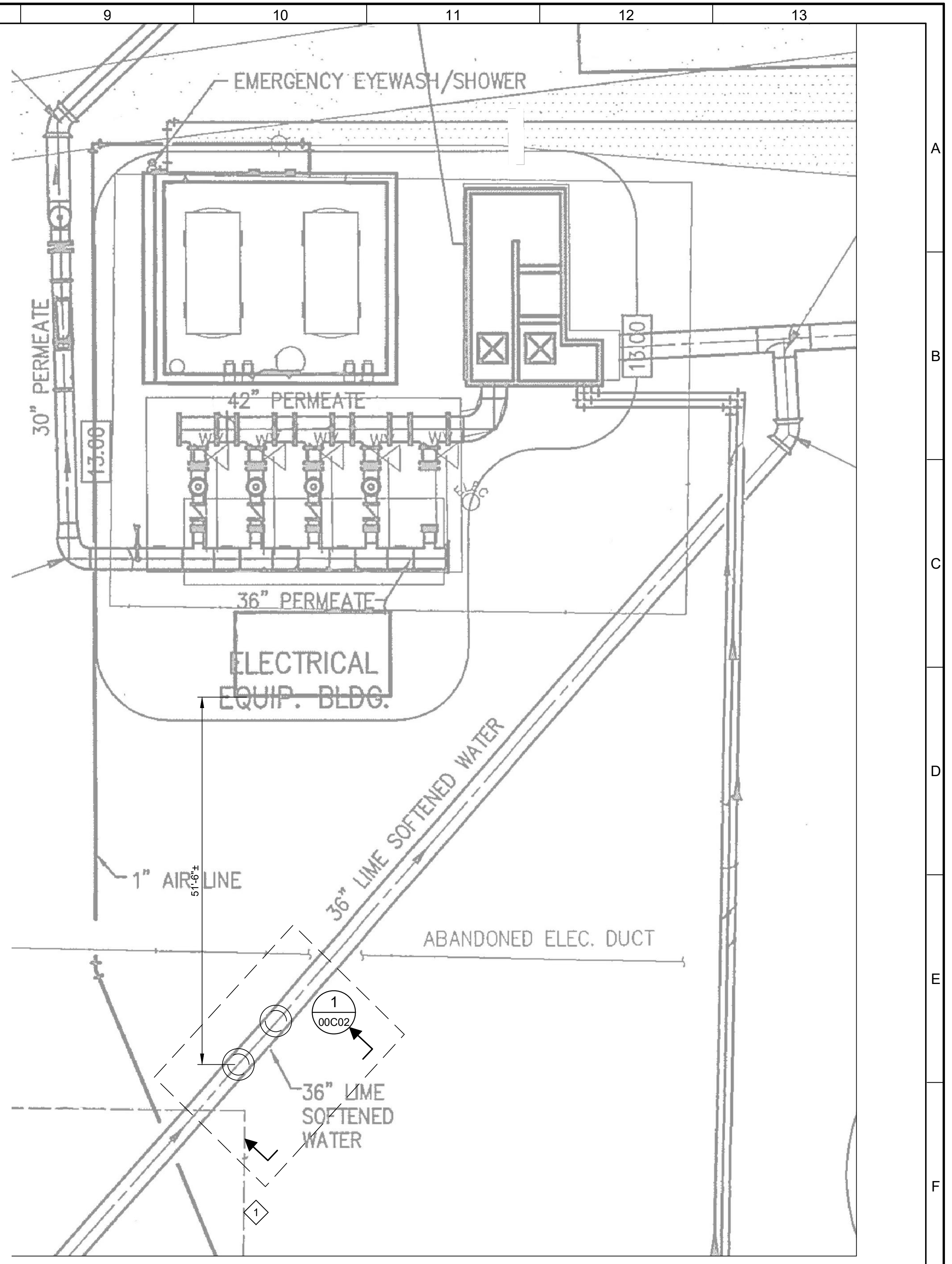


GENERAL NOTES

1. ALL MATERIALS SUPPLIED SHALL CONFORM TO THE PLANS AND SPECIFICATIONS, AS WELL AS SHOP DRAWINGS AS APPROVED BY ENGINEER PRIOR TO CONSTRUCTION. SUBSTITUTE MATERIALS SHALL NOT BE APPROVED AFTER DELIVERY TO THE JOB SITE. ALL REQUESTS FOR MATERIAL SUBSTITUTION SHALL BE APPROVED PRIOR TO DELIVERY OF THESE MATERIALS TO THE JOB SITE.
2. ANY DISCREPANCIES IN THE DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE COUNTY IN WRITING BEFORE BIDDING OR COMMENCING WORK.
3. COLLIER COUNTY PUBLIC UTILITIES DEPARTMENT WILL BE RESPONSIBLE FOR MAINTENANCE OF EXISTING WATER MANAGEMENT FACILITIES WITHIN THE FACILITY.
4. ELEVATIONS SHOWN ON CIVIL DRAWINGS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988)

KEY NOTES:

1. COORDINATES ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE PIPE. COORDINATE EXACT LOCATION OF NEW WORK WITH FIELD ENGINEER.

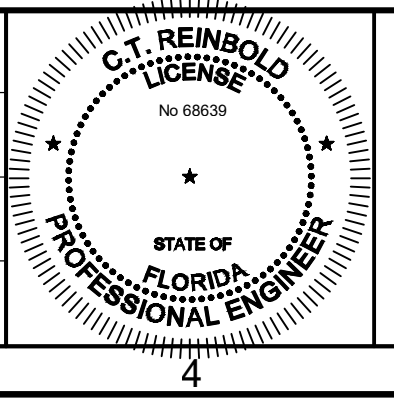


GRADING
B PLAN
 SCALE: 1" = 10' ±
 FILE: 20192200C0101



REV	DATE	BY	DESCRIPTION

DESIGNED
CR
 DRAWN
OB
 CHECKED
BH
 DATE
MAY 2023



carollo
 301 NORTH CATTLEMEN ROAD, SUITE 302
 SARASOTA, FL. 34232
 PHONE: (941) 371-9832 FAX: (941) 371-9873
 CA 00008571



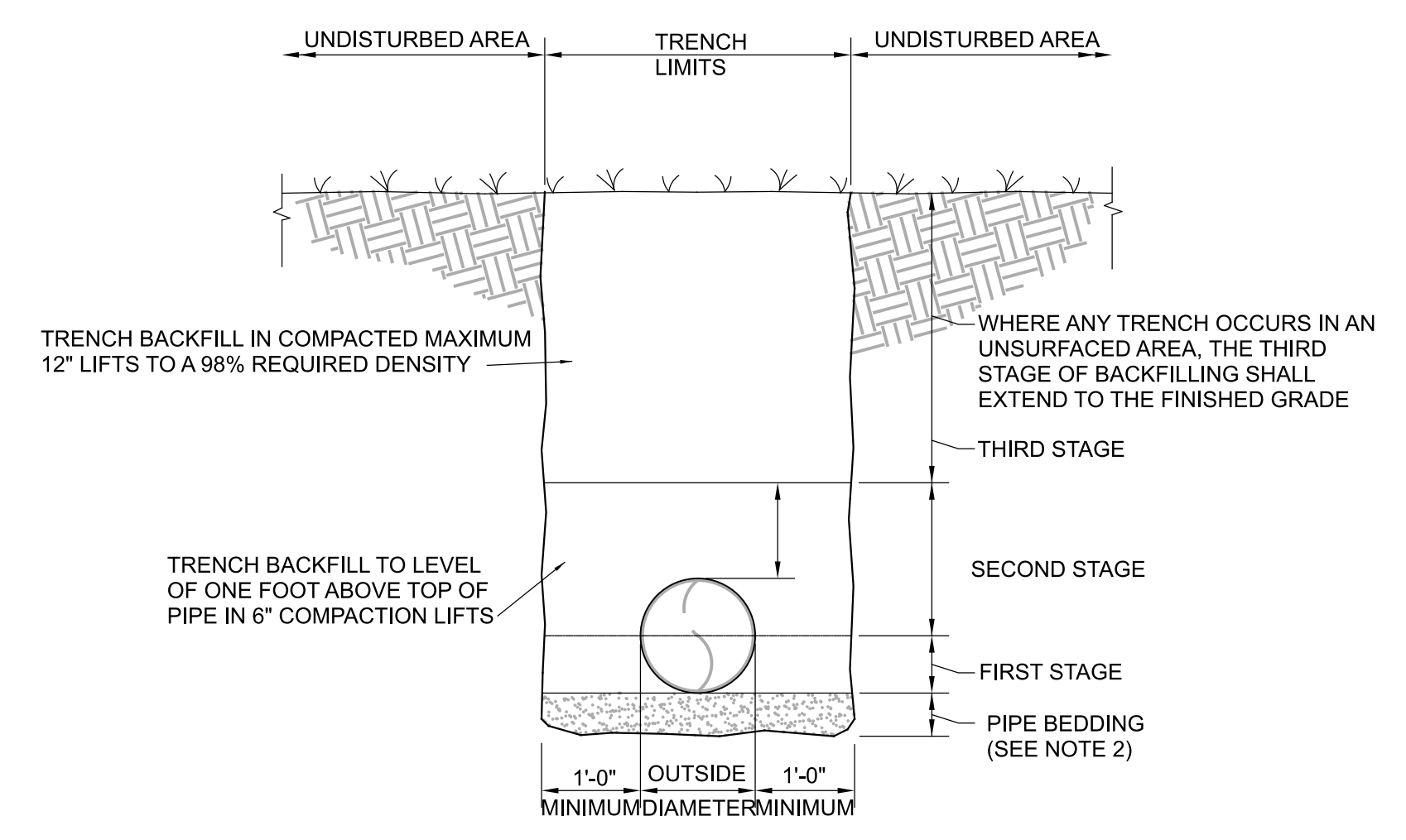
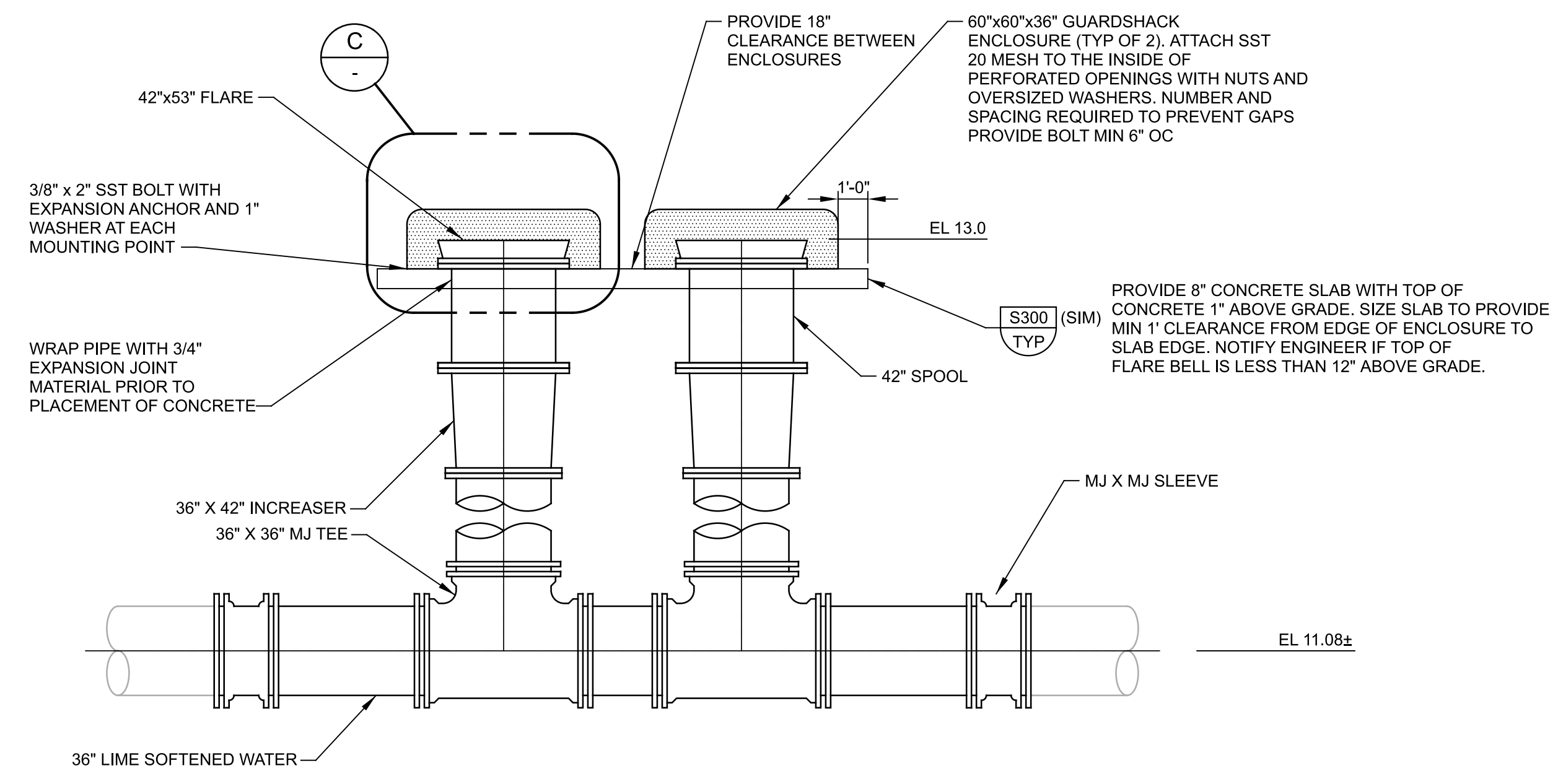
COLLIER COUNTY
 SCRWTP FILTER MEDIA REPLACEMENT
 SITE AND YARD PIPING PLAN

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1"
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.
201922
 DRAWING NO.
00C01
 SHEET NO.
6 OF 9

Plot Date: 24-MAY-2023 8:34:05 AM
 User: svcPW
 Model: Layout1 ColorTable: gshade.ctb DesignScript: Carollo_Sig_Pen_v0905.pen PlotScale: 1:1
 LAST SAVED BY: BSchoeder

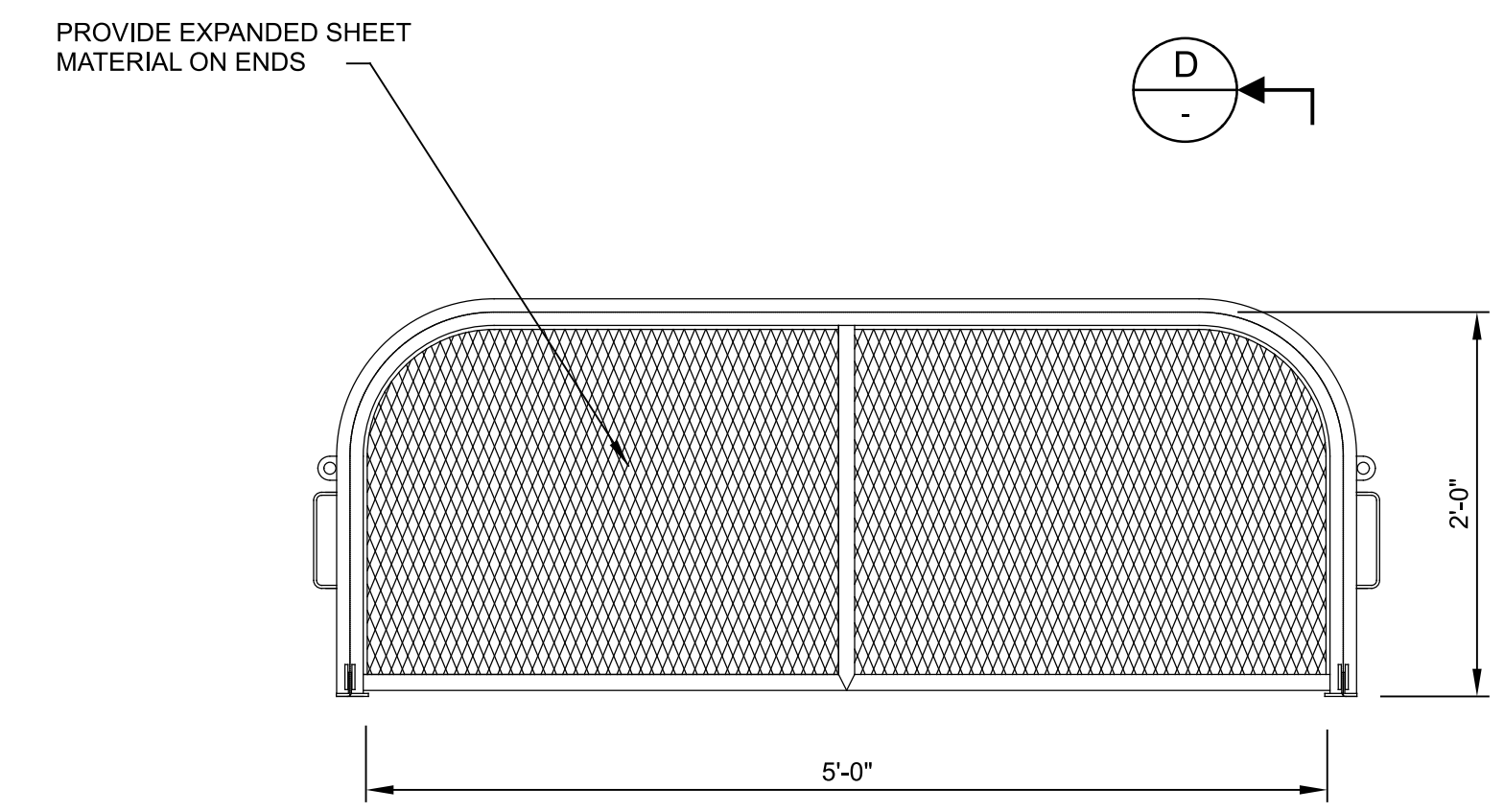
GENERAL NOTES:
 1. ELEVATIONS SHOWN ON CIVIL DRAWINGS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988).



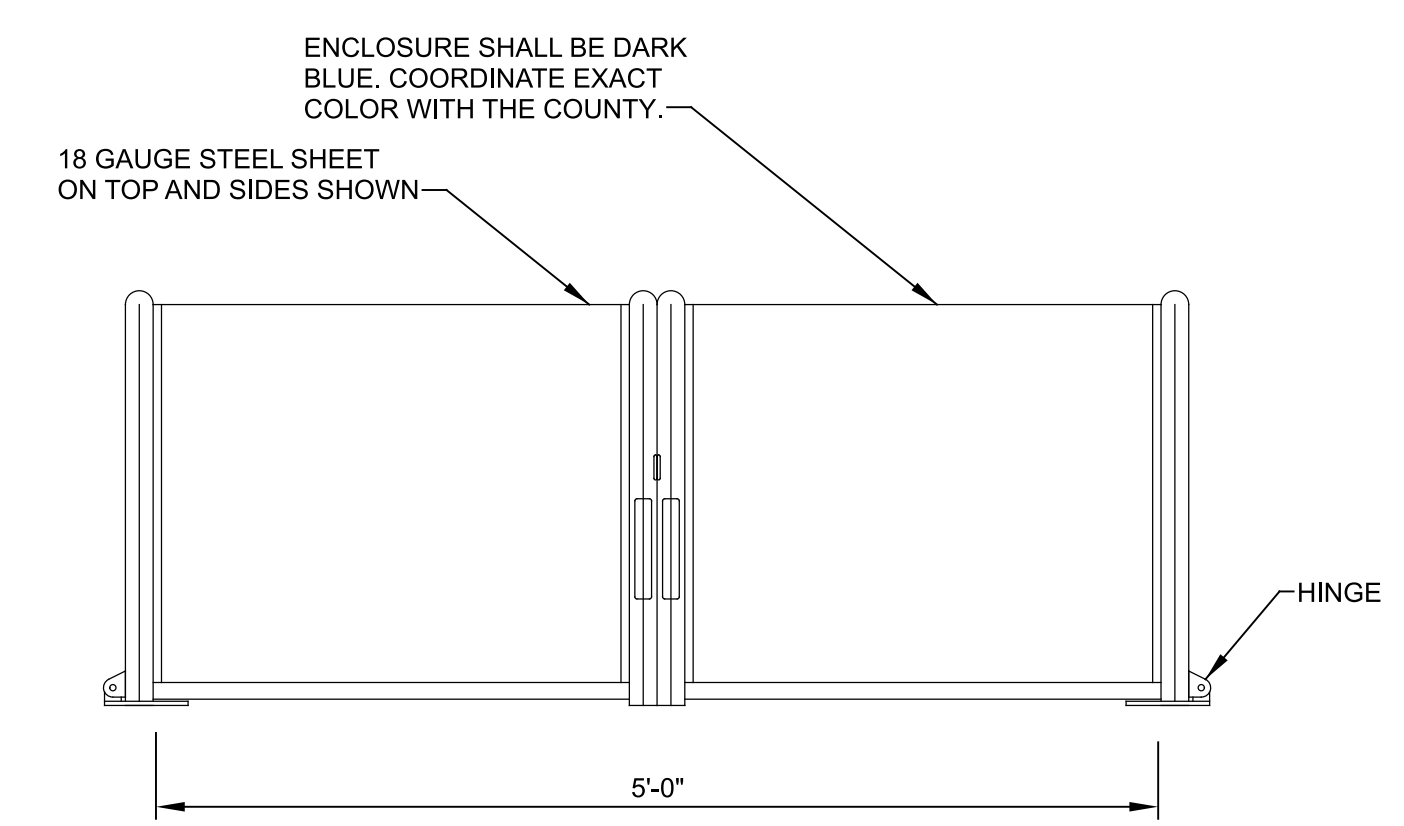
NOTES:
 1. BACKFILL SHALL BE OF SUITABLE MATERIAL REMOVED FROM EXCAVATION EXCEPT WHERE OTHER MATERIAL IS SPECIFIED. BACKFILL MATERIAL SHALL CONSIST OF EARTH, LOAM, SANDY CLAY, GRAVEL, CRUSHED LIMESTONE, OR OTHER APPROVE MATERIAL. REFER TO TECHNICAL SPECIFICATIONS FOR DETAIL REQUIREMENTS.
 2. IF TRENCH BOTTOM CONTAINS ROCK, THEN A MINIMUM OF A 6\"/>

1 DETAIL
 SCALE: 1/4" = 1' - 0"
 FILE: 20192200C0401

2 DETAIL
 SCALE: 1" = 1' - 0"
 FILE: 20192200C0402



C ENLARGED PLAN
 SCALE: 1" = 1' - 0"
 FILE: 20192200C0401



D SECTION
 SCALE: 1" = 1' - 0"
 FILE: 20192200C0401

REV	DATE	BY	DESCRIPTION

DESIGNED	
DRAWN	
CHECKED	
DATE	
MAY 2023	

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY C.T. REINBOLD ON THE DATE ADJACENT TO THE SEAL ON THE COVER SHEET.
 PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

carollo
 301 NORTH CATTLEMEN ROAD, SUITE 302
 SARASOTA, FL. 34232
 PHONE: (941) 371-9832 FAX: (941) 371-9873
 CA 00008571

Collier County

COLLIER COUNTY
 SCRWTP FILTER MEDIA REPLACEMENT
 CIVIL
PIPING DETAILS

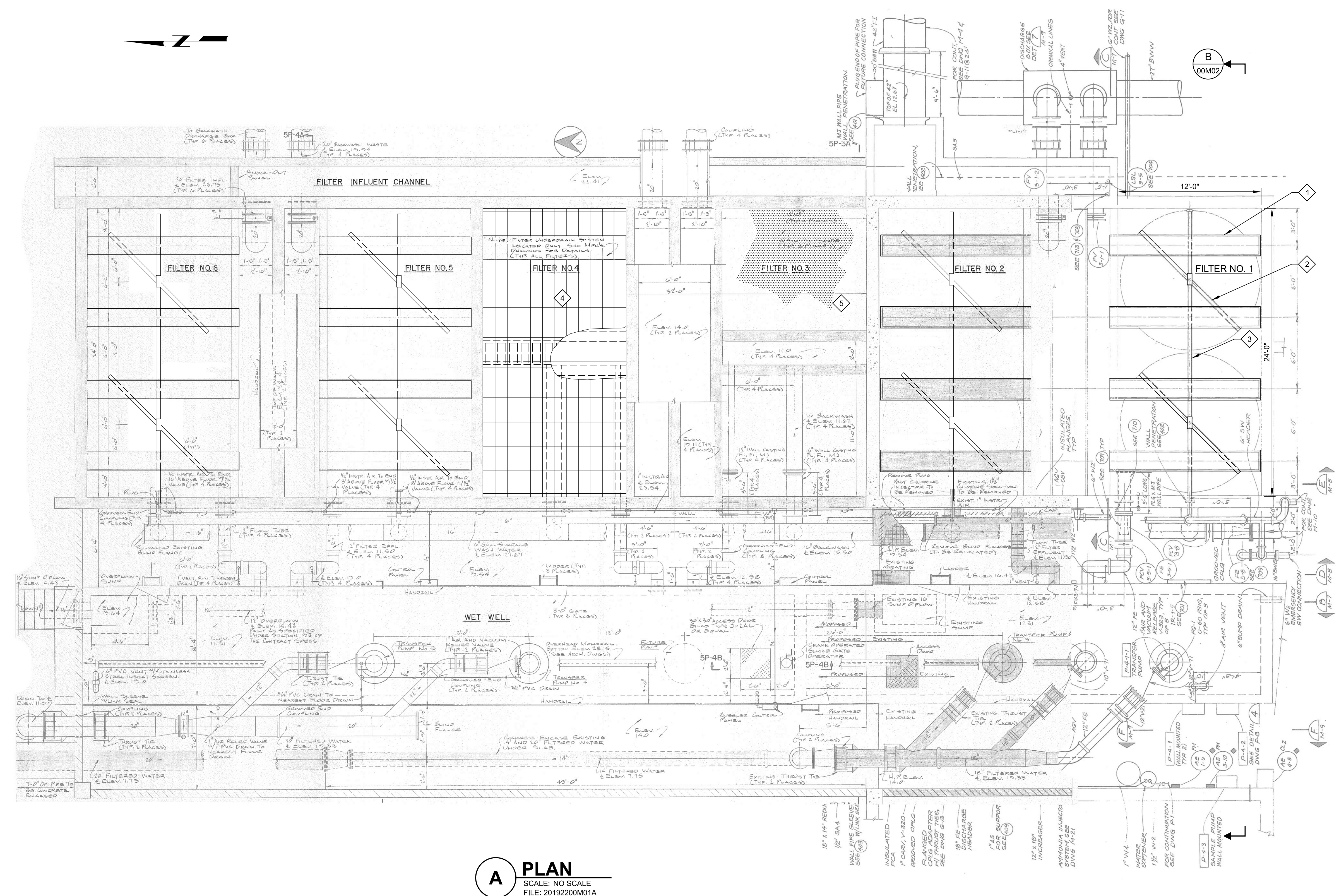
VERIFY SCALES	JOB NO. 201922
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. 00C02
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET NO. 7 OF 9

Plot Date: 24-MAY-2023 8:36:27 AM

User: sncPW

Model: Layout1 ColorTable: gshate.ctb DesignScript: Carollo_Sig_Pen_v0905.pen PlotScale: 1:1

LAST SAVED BY: BSchoeder



A PLAN
SCALE: NO SCALE
FILE: 20192200M01A

- GENERAL NOTES:**
- EXISTING RECORD DRAWING INFORMATION OBTAINED FROM 1984 AND 1986 LIME SOFTENING CONSTRUCTION DRAWINGS.
 - NOT ALL MECHANICAL EQUIPMENT SHOWN IN EACH FILTER FOR CLARITY. MODIFICATION SCOPE OF WORK SHALL BE SIMILAR IN NATURE FOR ALL FILTERS.
 - CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS IN ALL FILTERS PRIOR TO STARTING WORK.
- KEY NOTES:**
- PROVIDE NEW FRP FILTER WASH THROUGH (TYP ALL FILTERS)
 - PROVIDE NEW 11'-6" Ø SURFACE WASH SPRAY ASSEMBLIES (TYP ALL FILTERS)
 - PROVIDE NEW 3" AND 4" SCHEDULE 5S STAINLESS STEEL SURFACE WASH WATER PIPING (TYP ALL FILTERS)
 - PROVIDE NEW HDPE UNDERDRAIN SYSTEM (TYP ALL FILTERS)
 - PROVIDE NEW FILTER MEDIA (12 INCHES GRAVEL, 9 INCHES SILICA SAND, 21 INCHES ANTHRACITE) (TYP ALL FILTERS) REFER TO SPECIFICATION 13226 FOR MEDIA TO BE FURNISHED BY OWNER.

REV	DATE	BY	DESCRIPTION
1			
2			
3			

DESIGNED CR	
DRAWN OB	
CHECKED BH	
DATE MAY 2023	

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY C.T. REINBOLD ON THE DATE ADJACENT TO THE SEAL ON THE COVER SHEET.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

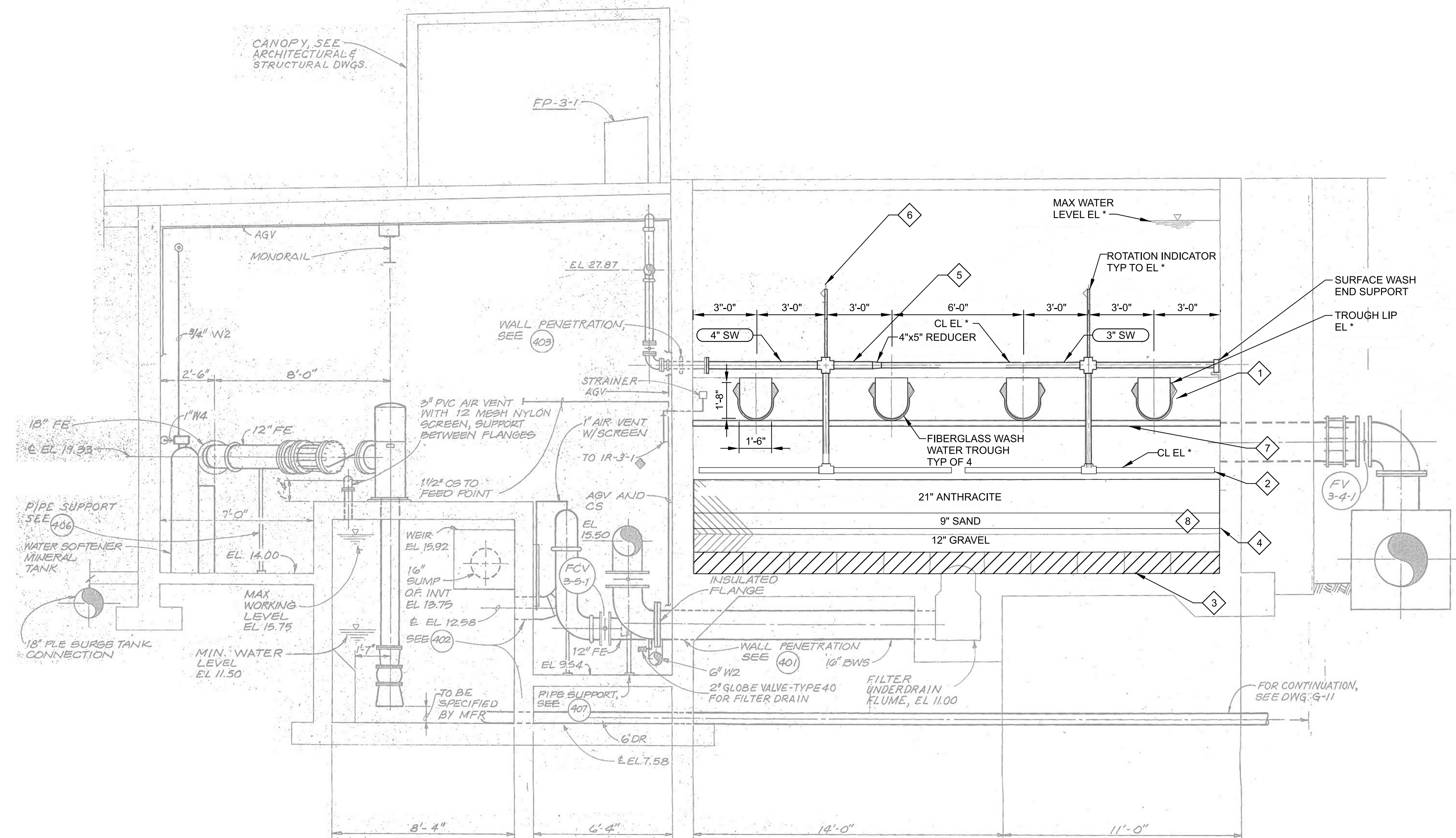
carollo

301 NORTH CATTLEMEN ROAD, SUITE 302
SARASOTA, FL 34232
PHONE: (941) 371-9832 FAX: (941) 371-9873
CA 00008571

Collier County

COLLIER COUNTY
SCRWTP FILTER MEDIA REPLACEMENT
MECHANICAL
FILTER MODIFICATIONS
PLAN

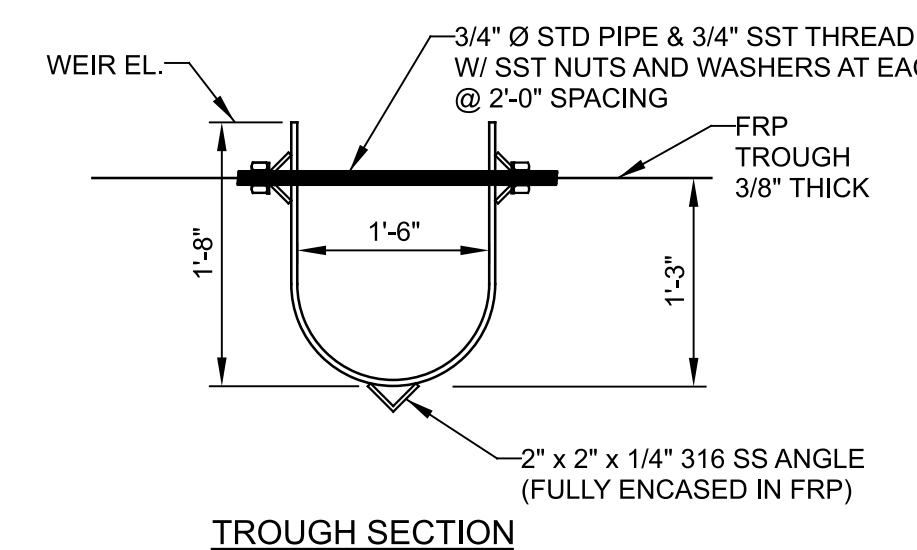
VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	JOB NO. 201922
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DRAWING NO. 00M01
	SHEET NO. 8 OF 9



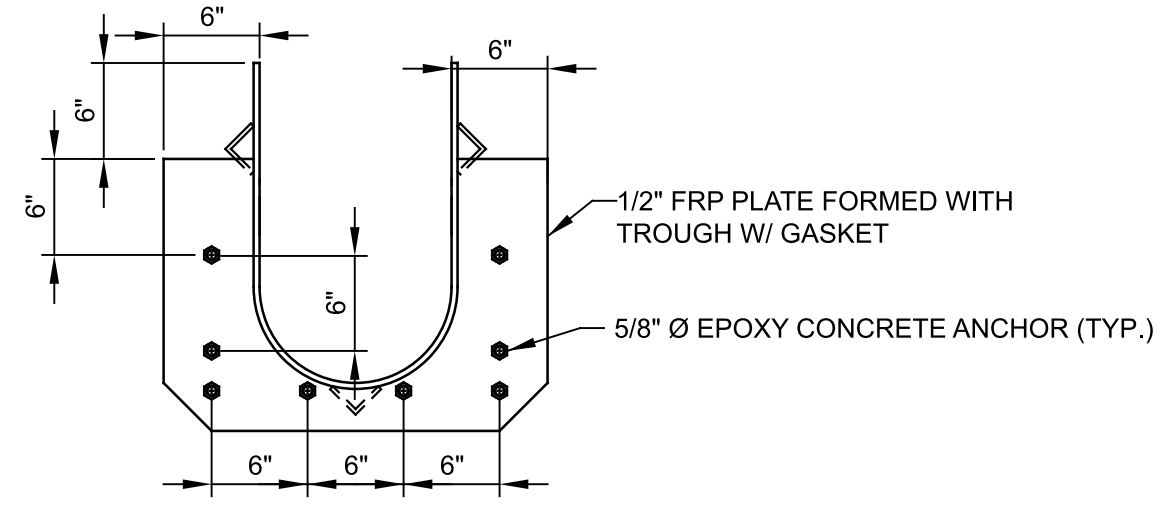
- GENERAL NOTES:**
- DIMENSIONS DENOTED AS "" ARE TO BE DETERMINED BY THE FILTER MANUFACTURER
 - CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS IN ALL FILTERS PRIOR TO STARTING WORK.
 - SURFACE WASH WATER PIPING MAY BE FASTENED TO THE FIBERGLASS TROUGH THROUGH USE OF U-STRAPS AND 3/8\"/>
- KEY NOTES:**
- PROVIDE NEW FRP FILTER WASH THROUGH (TYP ALL FILTERS).
 - PROVIDE NEW 11'-6\"/>

MODIFICATIONS FILTERS 1-6

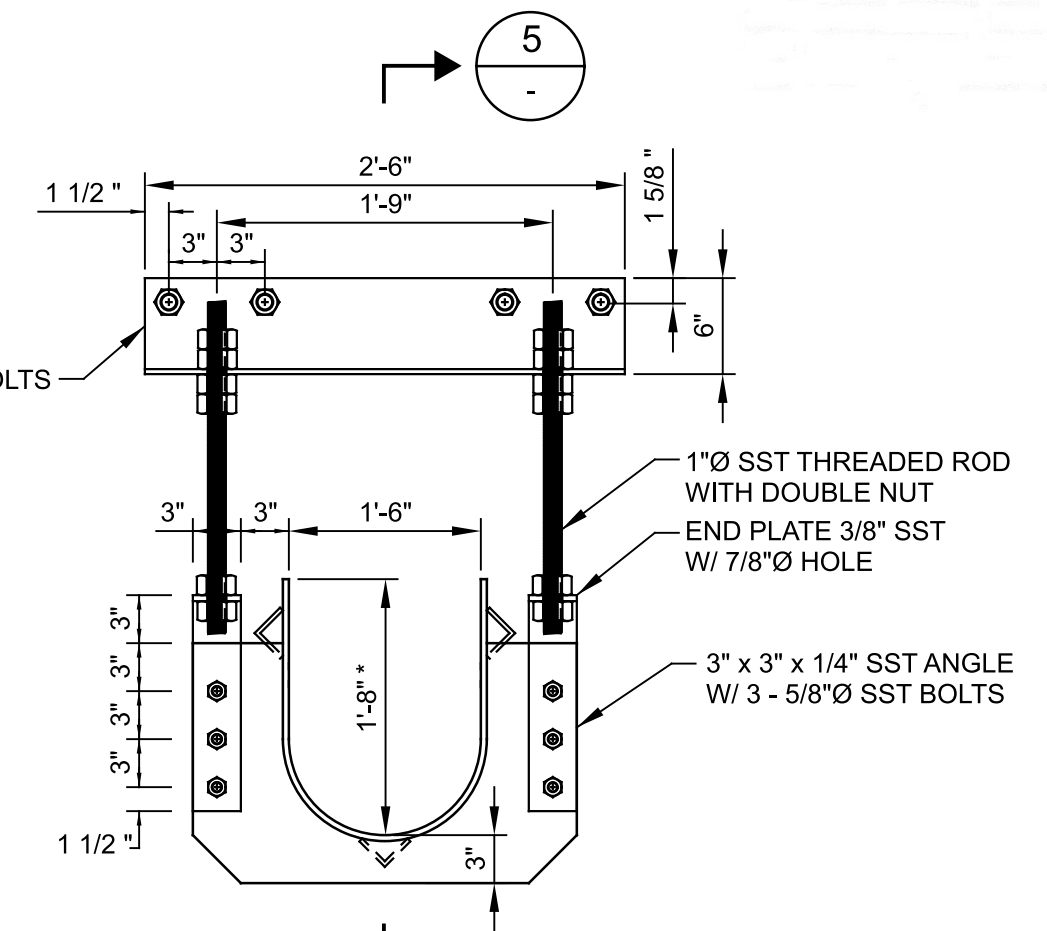
B SECTION
00M01 SCALE: NO SCALE
FILE: 20192200M02A



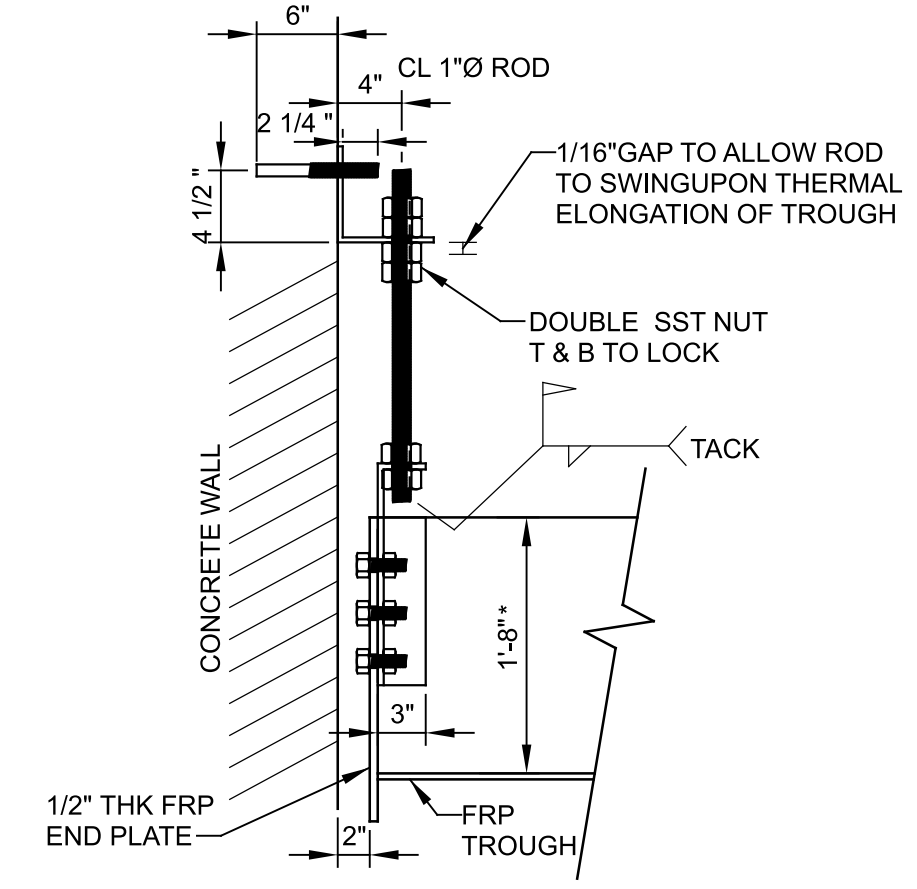
1 DETAIL
SCALE: NO SCALE
FILE: 20192200M0401



2 DETAIL
SCALE: NO SCALE
FILE: 20192200M0401

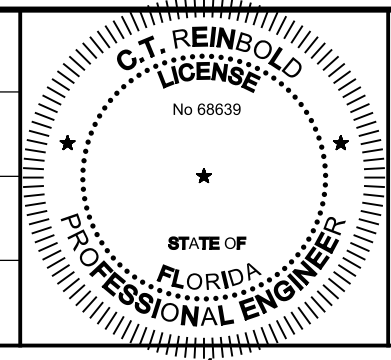


3 DETAIL
SCALE: NO SCALE
FILE: 20192200M0401



4 DETAIL
SCALE: NO SCALE
FILE: 20192200M0401

DESIGNED CR	DATE MAY 2023
DRAWN OB	
CHECKED BH	



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY C.T. REINHOLD ON THE DATE ADJACENT TO THE SEAL ON THE COVER SHEET.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

301 NORTH CATTLEMEN ROAD, SUITE 302
SARASOTA, FL. 34232
PHONE: (941) 371-9832 FAX: (941) 371-9873
CA 00008571

COLLIER COUNTY

SCRWTP FILTER MEDIA REPLACEMENT

MECHANICAL

FILTER MODIFICATIONS SECTION AND DETAILS

VERIFY SCALES	JOB NO. 201922
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. 00M02
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET NO. 9 OF 9