

Located in Bonita Springs, Lee County
Section 05, Township 48 South, Range 26 East

OSCAR LUGO, P.E.
C. GRAY WIND & ASSOC., LLC
3800 VIA DEL RIO
DUNN SPRINGS, FL 34134
FLORIDA P.E. LICENSE NO. 05719
ED/LR 0007151

[illegible]

UTILITIES SERVING THIS SITE

GAS SERVICE
TECO GAS
5601 ENTERPRISE PARKWAY
FORT MYERS, FL 33905
877-832-8747

[illegible]

Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151 Business LC 20000266
 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

- **Landscape Architects**
Business LC 26000260
Fort Myers: 239.690.4380

USE	BUILDING TYPE	AREA UNDER ROOF (SQ. FT.)	REQUIRED FLOW (GPM)	SPRINKLERED OR NON-SPRINKLERED	FIRE FLOW REDUCTION
UNIVERSITY FACILITY		1		UNSPRINKLERED	

1. A SEPARATE PERMITS IS REQUIRED PRIOR TO INSTALLATION OF ANY FIRE LINE.
2. INSTALLATION OF ALL UNDERGROUND FIRE LINES SHALL COMPLY WITH THE 2010 EDITION OF NFPA 24.
3. UNDERGROUND FIRE SERVICE LINES FROM THE POINT OF CONNECTION TO 2" ABOVE GRADE AT THE RISERS, WILL BE REQUIRED SEPARATE PERMITS AND SHALL BE INSTALLED BY AN APPROPRIATELY LICENSED FIRE SPRINKLER CONTRACTOR AS PER NYC UNDERGROUND CONTRACTOR AS DEFINED & OUTLINED IN U337017, U337521, & U337539 F.T.S.
4. USE PVC C900 CL200 DR14 WHEN PIPE IS UNDER PAVEMENT.
5. THE BUILDING REQUIRE A STAMPING BE INCORPORATED INTO THE DESIGN OF THE FIRE PROTECTION SYSTEM BY A LICENSED CONTRACTOR IN ADDITION TO THE SPRINKLER SYSTEM INFRASTRUCTURE AS DIRECTED.

ALL COSTS AND EXPENSES OF ANY AND ALL REPAIRS, REPLACEMENTS, MAINTENANCE AND RESTORATIONS OF ABOVE, INCLUDING IMPROVEMENTS PERMITTED WITHIN A C.U.L. SHALL BE THE SOLE FINANCIAL RESPONSIBILITY OF THE GRANTOR OR ITS SUCCESSORS OR ASSIGNEES.

[illegible]

TOTAL SITE AREA	=	ACRES	SQ. FT.	%
IMPROVED	=	5.38	437,041	82.62
IMPROVING	=		2	0.39
ROADWAY	=	0.20	1	0.19
PAVEDMENT SURFACES	=	0.20	1	0.19
LAND	=	0.56	1	0.50
DEVELOPMENT	=	0.56	1	0.50
TOTALS	=	5.38	437,041	82.62

	REQUIRED (PT)	PROVIDED (PT)
WARRANTY (1 YEAR)	5 YR	48 MONTH (4 TO 36 MO)
WARRANTY (1) WIDTH	FT	66.7 FT
SUBWARRANT (1) LENGTH (M)		
FRONT IN	FT	66.7 FT
REAR IN	FT	66.7 FT
DECK IN	FT	66.7 FT
DECK (IN)	FT	61.5 FT

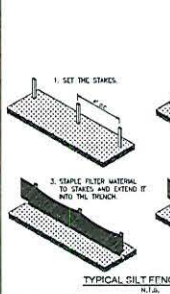
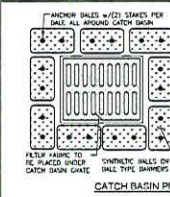
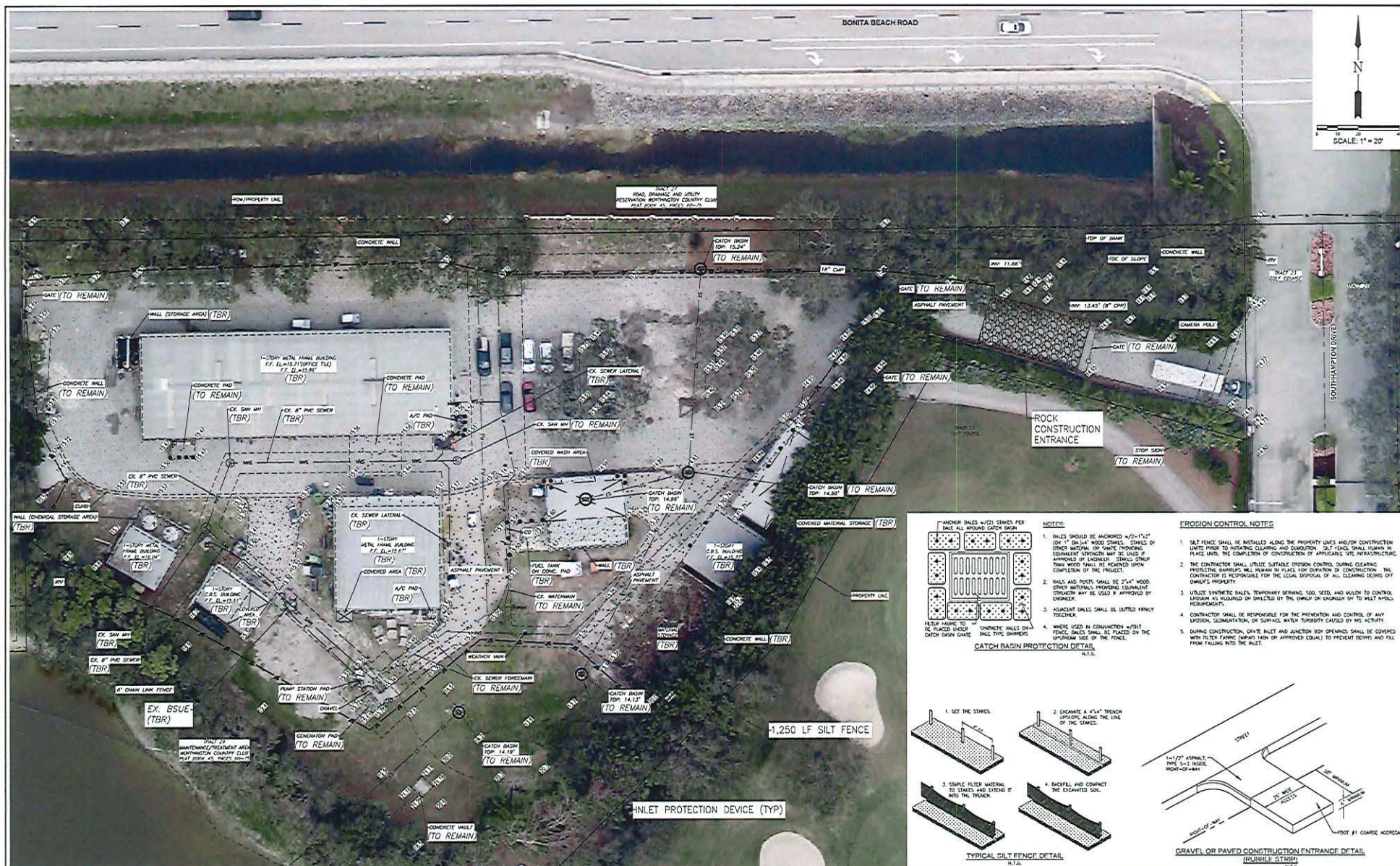
ZONING DATA SHEET TABLE		
	REQUIRED (FT)	PROVIDED (FT)
ACTUAL HEIGHT	27 FT	22'-7" FT
MAXED HEIGHT	40 FT	27 FT

ADJACENT VACANT FUTURE DEVELOPMENT NORTH SIDE	10' WIDE, TYPE A
ADJACENT VACANT SOUTH SIDE	10' WIDE TYPE A
ADJACENT RESEIDENTIAL AREA EAST SIDE	20' WIDE, TYPE D
ADJACENT RESEIDENTIAL AREA WEST SIDE	10' WIDE, TYPE A

GENERAL INFORMATION SHEET

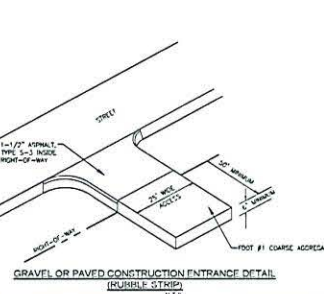
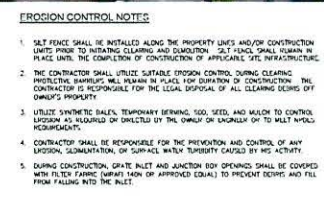
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88) CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 29) IS (+)

OSCAR LUGO, P.E. FLORIDA P.E. LICENSE NO. 88710	MUNICIPALITY
	BONITA SPRINGS
	SEC/TY/SDHP/SDNG
	01/480/28E
	DATE
	2023
	SUBMITTAL TYPE
	DO
	SHEET 2 OF



- NOTES**
1. SILENT SHOULD BE ANCHORED 4'-7" TO 1'-2" FOR 1" DIA. 1/4" WOOD STAPLES. STAPLES OF OTHER MATERIAL OR SHAPE PROVIDING EQUIVALENT STRENGTH MAY BE USED IF APPROVED BY ENGINEER. STAPLES OTHER THAN WOOD SHALL BE ANCHORED UPON COMPLETION OF THE PROJECT.
 2. BACK AND PILES SHALL BE 2" X 4" WOOD OTHER MATERIALS PROVIDING EQUIVALENT STRENGTH MAY BE USED IF APPROVED BY ENGINEER.
 3. ADJACENT SILENTS SHALL BE BUTTED TIGHTLY TOGETHER.
 4. WOOD USED IN CONSTRUCTION OF SILENT FENCE SHALL BE PLACED ON THE UPSTREAM SIDE OF THE FENCE.

- EROSION CONTROL NOTES**
1. SILT FENCE SHALL BE INSTALLED ALONG THE PROPERTY LINE AND/OR CONSTRUCTION LIMITS PRIOR TO INITIATING CLEARING AND DEMOLITION. SILENT SHALL BE PLACED WITHIN THE COMPLETION OF CONSTRUCTION OF APPLICABLE SITE INFRASTRUCTURE.
 2. THE CONTRACTOR SHALL UTILIZE SUSTAINABLE EROSION CONTROL DURING CLEARING. PROTECTIVE BARRIERS SHALL REMAIN IN PLACE FOR DURATION OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE LEGAL DISPOSAL OF ALL CLEARING DEBRIS OFF OWNER'S PROPERTY.
 3. UTILIZE SYNTHETIC SILENTS, TEMPORARY SERRATED, SOO, SEED, AND MULCH TO CONTROL EROSION AS REQUIRED OR DIRECTED BY THE OWNER OR ENGINEER ON TO MEET AVOID REDEMPTIONS.
 4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION AND CONTROL OF ANY EROSION, SEDIMENTATION, OR SURFACE WATER TURBIDITY CAUSED BY HIS ACTIVITY.
 5. DURING CONSTRUCTION, GATE INLET AND JUNCTION BOX OPENINGS SHALL BE COVERED WITH FILTER FABRIC (MINIMUM 100% OR APPROVED EQUAL) TO PREVENT DEBRIS AND FILL FROM FALLING INTO THE INLET.



LEGEND

Revision	Date	Description

DESIGNED BY	M.C.B.
DRAWN BY	C.C.K.
APPROVED	M.C.B.
JOB CODE	WOLF
SCALE	1" = 20'

GradyMinor

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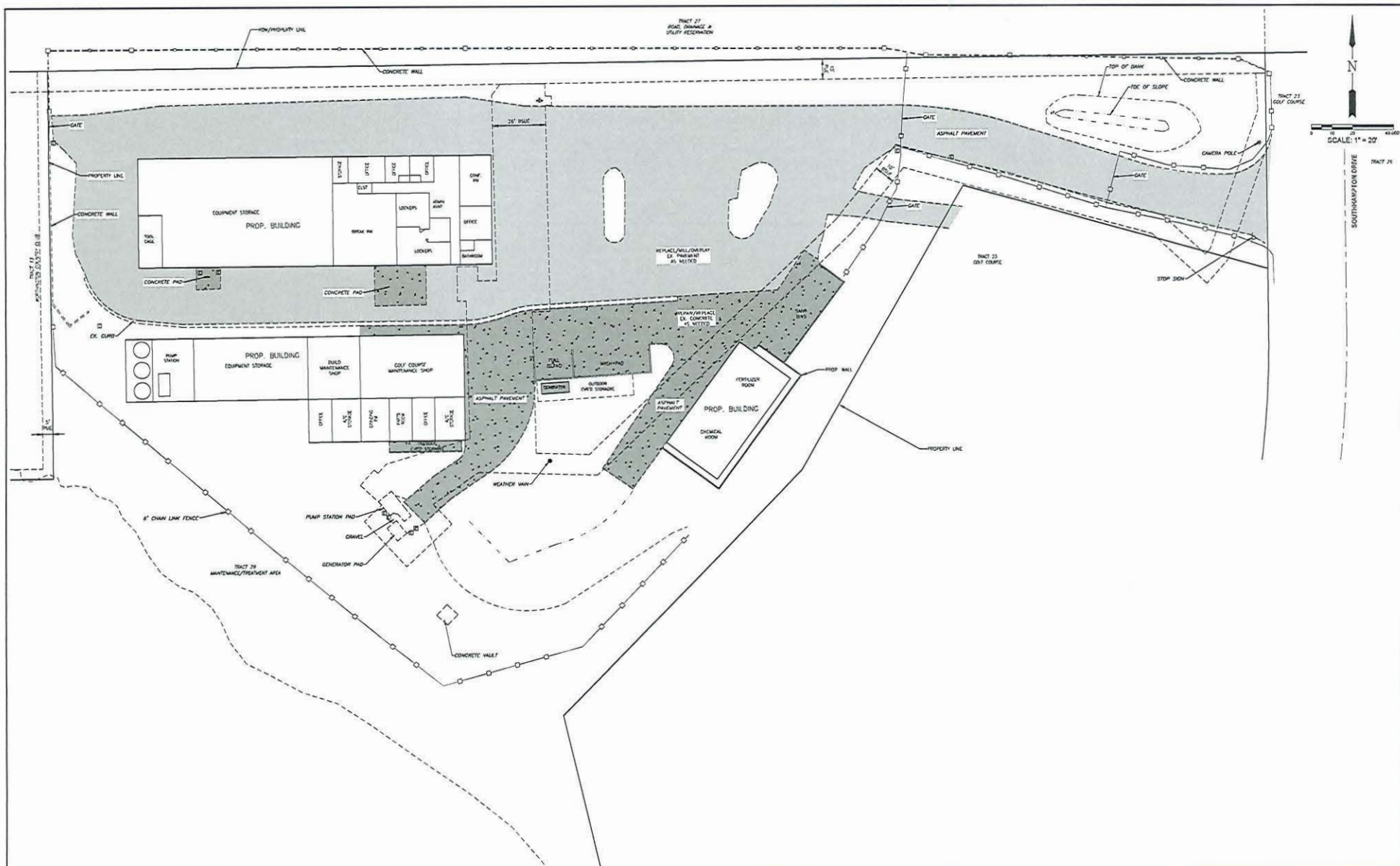
O. Grady Minor and Associates, LLC
 2000 Via Del Rio
 Bonita Springs, Florida 34134

WORTHINGTON COUNTRY CLUB MAINTENANCE FACILITY

EROSIONS CONTROL AND DEMOLITION PLAN

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88)
 CONVERSION FACTOR TO NATIONAL GEODESIC VERTICAL DATUM 1929 (NGVD 29) IS (+/-)

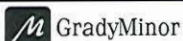
ISSUED UNDER P.E. FLORIDA P.E. LICENSE NO. 88710	MUNICIPALITY BONITA SPRINGS DEPARTMENT/ENGINEER O/ARCH/ENG DATE 2023 SUBMITTAL TYPE NO
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LEGEND	
[Pattern]	EX. PAVEMENT
[Pattern]	PROP. ASPHALT PAVEMENT
[Pattern]	EX. SIDEWALK
[Pattern]	PROP. SIDEWALK/CONCRETE
[Pattern]	EXISTING
[Pattern]	PROP. FENCE
[Pattern]	PROP. EXISTING FENCE
[Pattern]	PROP. EXISTING FENCE
[Pattern]	PROP. EXISTING FENCE

Revision	Date	Description

DESIGNED BY	M.C.B.
DRAWN BY	C.O.R.
APPROVED	M.J.B.
JOB CODE	WJMP
SCALE	1" = 20'



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 Fort Myers, FL 33902-0000

WORTHINGTON COUNTRY CLUB MAINTENANCE FACILITY

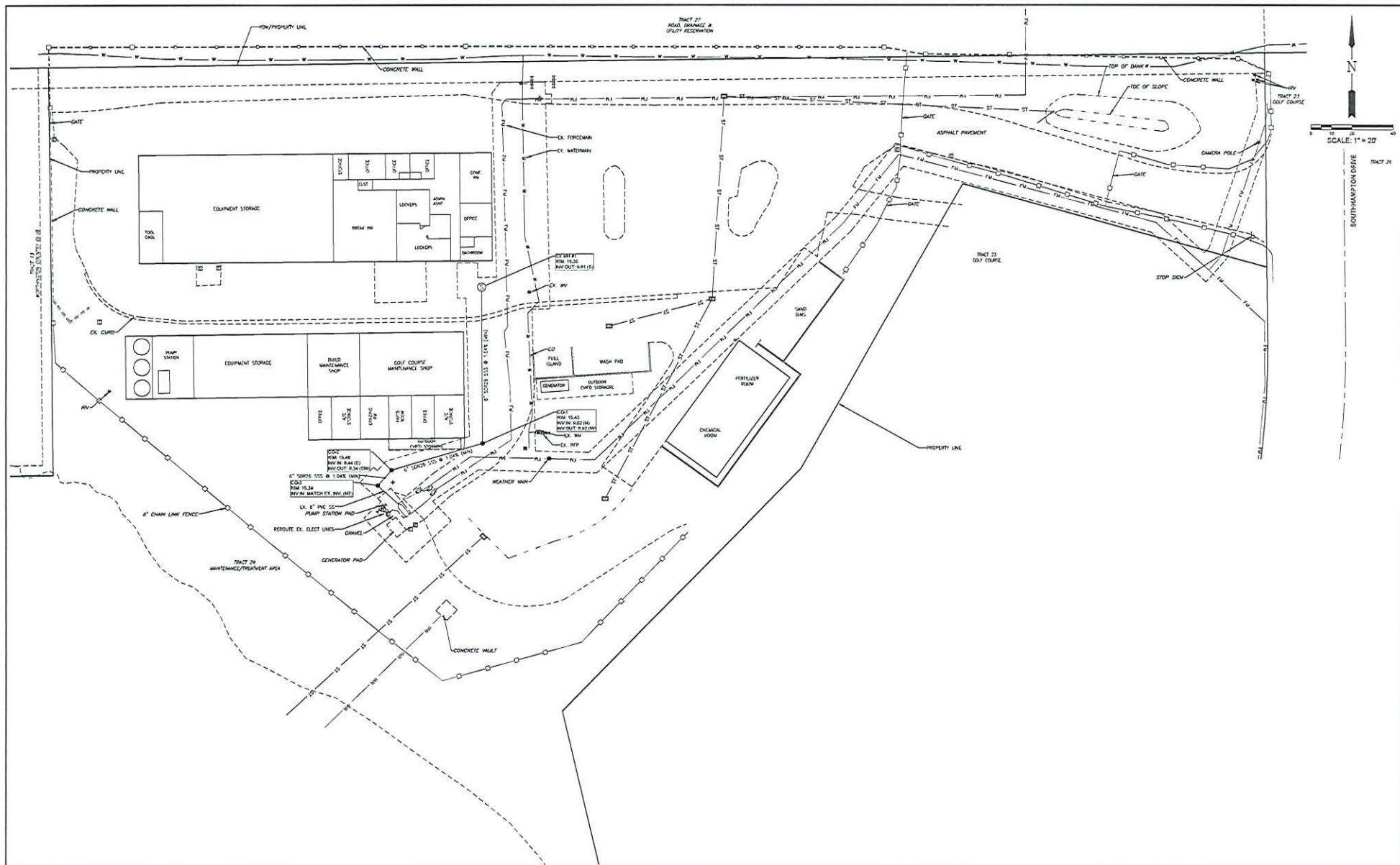
SITE PLAN

ELEVATIONS SHOWN HEREIN ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88)
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 29) IS (1.48)

COASTAL LUGA, P.E.
 FLORIDA P.E. LICENSE NO. 88710

MUNICIPALITY	BONITA SPRINGS
DEPARTMENT	ENGINEERING
DATE	2023
SUBMITTAL TYPE	REV
SHEET	5 OF 12

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LEGEND

Revision	Date	Description	By

DESIGNED BY	M.C.B.
DRAWN BY	C.E.K.
APPROVED	M.J.D.
JOB CODE	WCMF
SCALE	1" = 20'

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 3800 Via Del Rey
 Bonita Springs, Florida 34134
 License LC 26000306

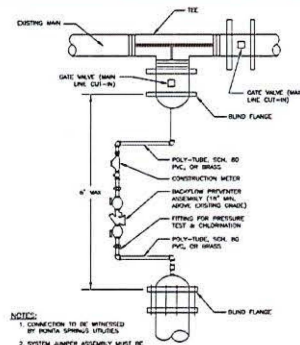
WORTHINGTON COUNTRY CLUB MAINTENANCE FACILITY
UTILITIES PLAN
 ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88)
 CONVERSION FACTOR TO NATIONAL GEODESLIC VERTICAL DATUM 1929 (NGVD 29) IS (+)

LOCAL LEGAL P.E.
 FLORIDA P.E. LICENSE NO. 98719

MUNICIPALITY	BONITA SPRINGS
DEPARTMENT	ENGINEERING
DATE	2023
SUBMITTAL TYPE	80
SHEET	7 OF 12

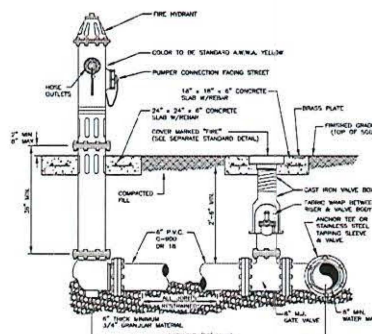


	MUNICIPALITY	BOHITA SPRINGS
	SEC/TWNSHIP/RANG	05/48N/26E
	DATE	2023
	SUBMITTAL TYPE	ON
	SHEET 9 OF 12	
	OCEAN WOOD, P.E. FLORIDA P.E. LICENSE NO. 88719	

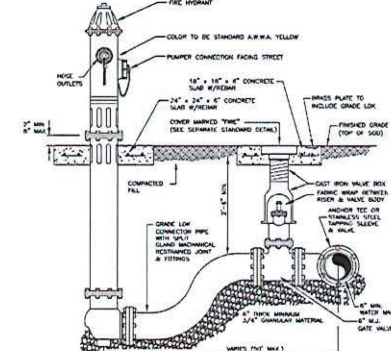


- NOTES:
- CONNECTION TO BE WITNESSED BY PUMPING SURVEILLANCE OFFICIALS.
 - SYSTEM JUMPER ASSEMBLY MUST BE INSTALLED WITHIN 48 HOURS AFTER FULL BORE FLUSH.

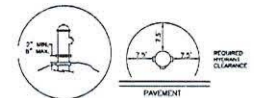
CONSTRUCTION JUMPER ASSEMBLY
W-1



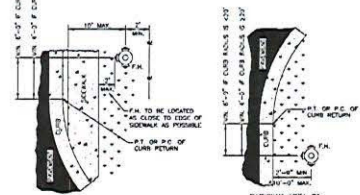
FIRE HYDRANT ASSEMBLY
W-2



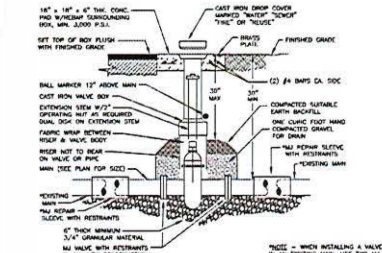
FIRE HYDRANT ASSEMBLY WITH GRADE-LOOK ADAPTOR
W-3



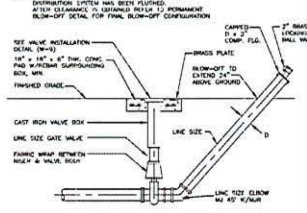
- NOTES:
- CONSTRUCTION SUCH AS UTILITY POLES, STREET LIGHTS, SIGNAGE, ETC. MUST NOT BE PLACED WITHIN 5 FEET OF THE HYDRANT.
 - LINE LOCATIONS APPLY AT EITHER END OF LINE RETURN.
 - IMPROVEMENTS TO THE CONSTRUCTION OF THE HYDRANT SURFACE LOCATIONS SHOWN HERE.
 - ANY UTILITIES MAY BE APPROVED FOR REQUIRED AT THE DISCRETION OF BSU.



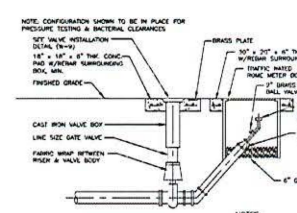
FIRE HYDRANT LOCATIONS/CLEARANCE
W-4



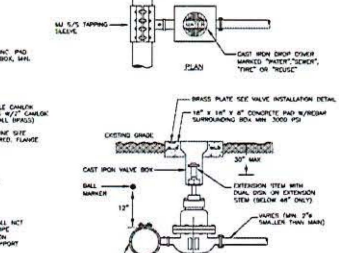
VALVE INSTALLATION
W-5



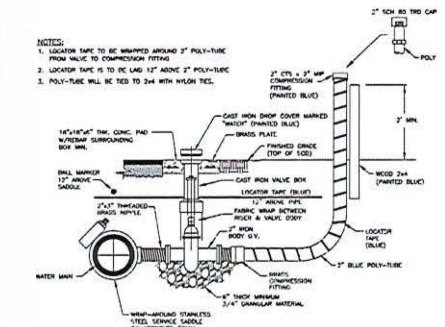
TEMPORARY BLOW-OFF ASSEMBLY DETAIL
W-6



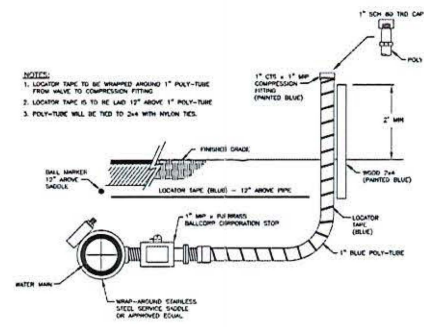
PERMANENT BLOW-OFF ASSEMBLY DETAIL
W-7



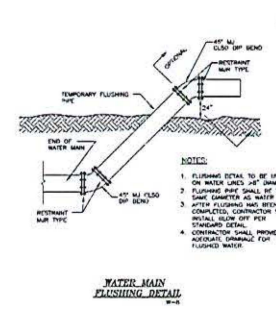
TAPPING SLEEVE AND VALVE
W-11



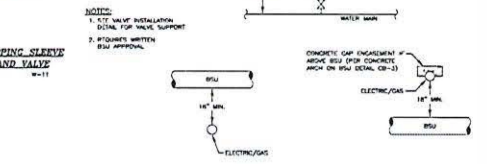
2\"/>



1\"/>



WATER MAIN FLUSHING DETAIL
W-8



ELECTRICAL / GAS CLEARANCE
W-15

LEGEND

				DESIGNED BY	M.C.D.
				DRAWN BY	C.C.K.
				APPROVED	M.C.D.
				JOB CODE	W-1
				SCALE	AS SHOWN
Revision	Date	Description		By	###/###/###

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WORTHINGTON COUNTRY CLUB MAINTENANCE FACILITY

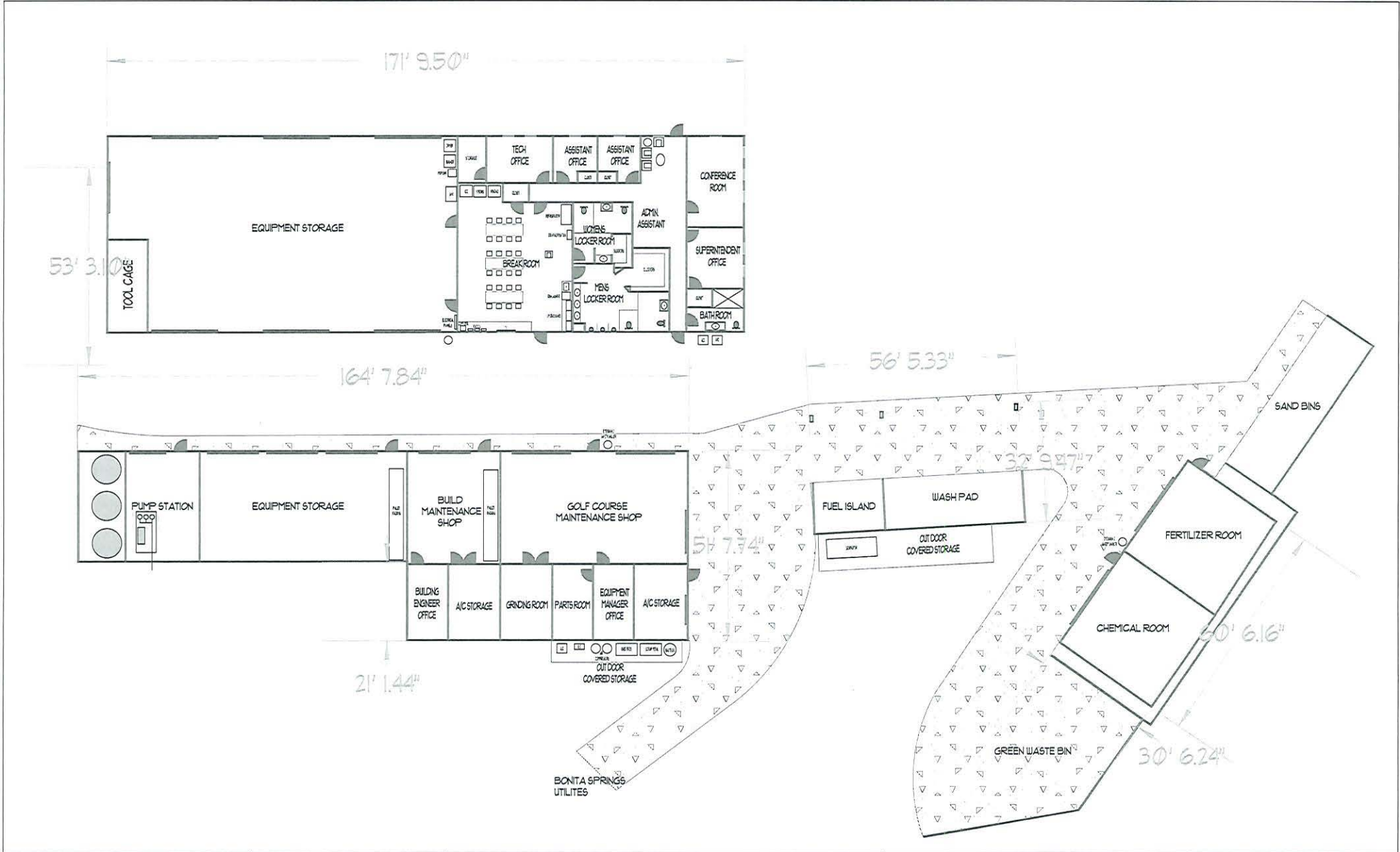
BSU WATER DETAILS

LOCATIONS SHOWN HEREIN ARE BASED UPON NORTH AMERICAN DATUM 1983 (NAD 83)
CONVERSION FACTOR TO NATIONAL ELECTRIC VERTICAL DATUM 1988 (NVD 88) IS 1.48

MUNICIPALITY	BONITA SPRINGS
PROJECT/PROPOSED	W-1
DATE	2023
REVISION TYPE	NO
SHEET	12 OF 12

Bonita Springs Utilities, Inc.

TITLE	WATER DETAILS
SCALE	NOT TO SCALE
DATE	APRIL 2019
PROJECT #	2023
PHONE	(239) 992-0711 FAX: (239) 992-8223
SHEET	OF



Revision #: 1	Scale:	Landscape Plan: 2	Landscape Design by:
Date: 6/12/2023	1" = 20'	Maintenance building	Worthington