

**TAKEOFFS DIRECTOR REVIEW** 

> 01/03/2023 3:03:01 PM

LEGAL DESCRIPTION

UTILITY PROVIDERS

SANITARY

WATER

SEMINOLE COUNTY UTILITIES

SEMINOLE COUNTY UTILITIES

500 W. LAKE MARY BLVD.

500 W. LAKE MARY BLVD. SANFORD, FL 32773 PHONE: 407.665.2119

SANFORD, FL 32773

PHONE: 407.665.2119

LANDSCAPING AND IRRIGATION. CONSTRUCTION MATERIAL

QUALITY AND WORKMANSHIP SHALL BE IN ACCORDANCE

WITH SEMINOLE COUNTY LAND DEVELOPMENT CODE

SPECIFICATIONS AND STANDARDS.

MORE PARTICULARY DESCRIBED AS FOLLOWS:

A PORTION OF SECTION 19, TOWNSHIP 21 SOUTH RANGE 31 EAST, SEMINOLE COUNTY FLORIDA

IN PLAT BOOK 75, PAGES 79 AND 80, OF THE PUBLIC RECORDS OF SEMINOLE COUNTY, FLORIDA.

COMMERCIAL TRACT, LOT 1, GOLDENEYE POINT, ACCORDING TO THE PLAT THEREOF, AS RECORDED

SITE DEVELOPMENT PLANS FOR

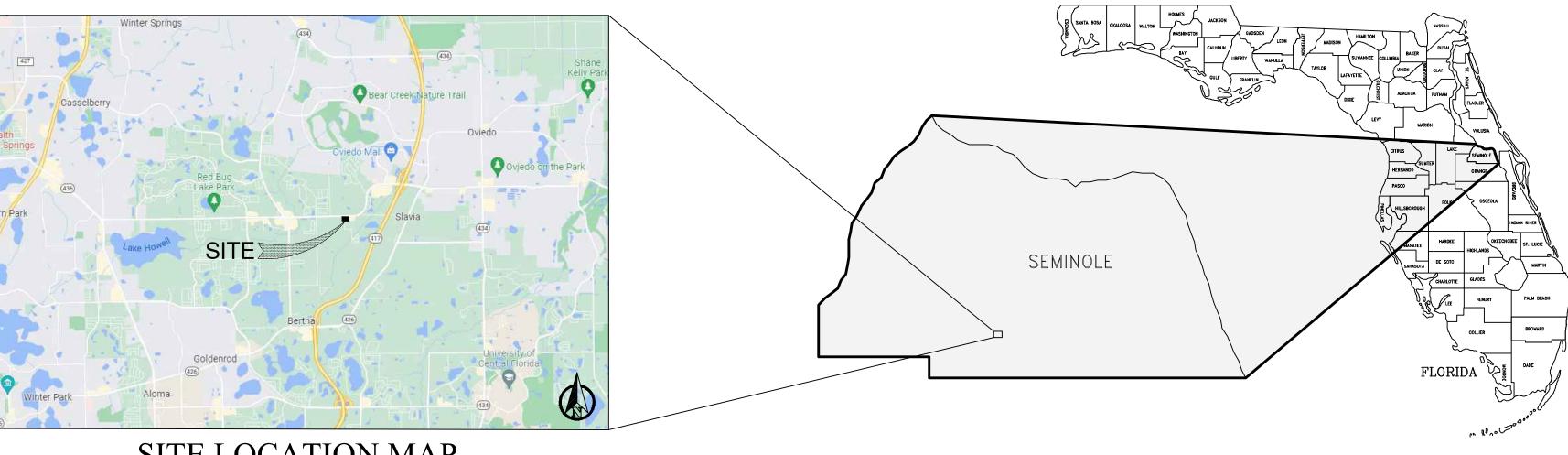


7111 RED BUG LAKE ROAD **OVIEDO, FL 32765** 

SEMINOLE COUNTY

PARCEL NUMBER: 19-21-31-514-0000-0010

SECTION 19, TOWNSHIP 21 SOUTH, RANGE 31 EAST



# SITE LOCATION MAP

NOT TO SCALE

# DIRECTIONS TO PROJECT SITE

TRAVELING FL-417, TAKE EXIT 41 TOWARDS RED BUG LAKE RD., FOR 1.6 MILES, TURN LEFT ONTO MIKLER RD. FOR 279 FT. THE SITE IS ON THE LEFT. 🗸

JOEL JENKINS PHONE: (385) 487-9130

# **DEVELOPER**

JOEL.JENKINS@BLACKRIFLECOFFEE.COM

#### GENERAL STATEMENT DATUM NOTE:

THE ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH THE PROJECT CONSISTS OF THE DEVELOPMENT OF 0.89 ± AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 88) AND ARE BASED ACRES OF PREVIOUSLY UNDEVELOPED LAND. THE UPON THE FOLLOWING PUBLISHED BENCHMARK: "8140102" PROPOSED NEW DEVELOPMENT INCLUDES, THE CONSTRUCTION OF A NEW 2,659 SF RETAIL WITH DRIVE-THRU, AND ASSOCIATED UTILITIES, PARKING,

SURVEY DISK SET IN TOP OF CONCRETE CURB TYPE NORTHING 1567246.19

EASTING 576046.70 ELEVATION 42.33' (N.A.V.D. 88)

# FLOOD NOTE •

THE LANDS BOUND BY THIS SURVEY LIE WITHIN FLOOD ZONE "X". PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A.) ON FLOOD INSURANCE RATE MAP NUMBER 12117C0190F, DATED 9/28/2007



1410 N. WESTSHORE BLVD., STE. 111 4450 W. EAU GALLIE BLVD., STE. 144

CIVIL ENGINEER

ENGINEER OF RECORD

ANDREW PETERSEN

MELBOURNE, FL - 32934

PHONE: (321) 255-5434

BOWMAN CONSULTING <

LAND SURVEYOR

LAND SURVEYOR

MAX R. GEORGE JR.

TAMPA, FL 33607

PHONE: (813) 474-7424

**BOWMAN CONSULTING** 

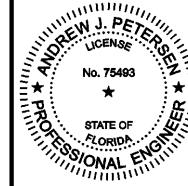
### SHEET INDEX

### SHEET NUMBER SHEET TITLE

**COVER SHEET** C1.0 BOUNDARY AND TOPOGRAPHIC SURVEY 1 OF 2 **BOUNDARY AND TOPOGRAPHIC SURVEY** 2 OF 2 C2.0 **EROSION CONTROL PLAN EROSION CONTROL DETAILS** C3.0 C4.0 **DEMOLITION PLAN** C5.0 SITE PLAN

**GRADING PLAN** UTILITY PLAN **DETAILS DETAILS** 

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ANDREW J. PETERSEN LICENSE NO. 75493

PLAN STATUS

DATE DESCRIPTION SW DF

DESIGN DRAWN CHKD AS SHOWN

JOB No. 011077-01-00 DATE: August, 202

FILE: 011077-D-CP-009-C

#### **EROSION CONTROL NOTES**

- CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP AND THAT CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DIRECTED BY PERMITTING AGENCY AND OWNER OR AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO OWNER THROUGHOUT ALL PHASES  $ec{f s}$
- . YERMIT FOR ANY CONSTRUCTION ACTIVITY MUST BE MAINTAINED ON SITE AT ALL TIMES.
- 3. ✓ CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
- 4✓ GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
- 5. ALL WASH WATER SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- 6. ✓SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE
- 9 ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
- 10/ DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED FOR AT LEAST 7 DAYS, SHALL BE TEMPORARILY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE
- . DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE SODDED/LANDSCAPED PER PLANS. THESE AREA SHALL BE SEEDED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
- 2. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD. THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED. PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
- 13. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE
- 14. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- . ON-SITE AND OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH ✓MPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- 16✓ SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- 17. ✓ DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES TO PREVENT EROSION AND SEDIMENTATION.
- 18.✔CONTRACTOR SHALL DESIGNATE/IDENTIFY AREAS INSIDE THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.
- 9. CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH THE EROSION CONTROL SEQUENCING SHOWN ON THIS PLAN, NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.
- 20. CONTRACTOR SHALL PERIODICALLY SWEEP EXISTING ON-SITE PAVED SURFACES AS WELL AS ALL ABUTTING CITY STREETS, COUNTY ROADS AND STATE HIGHWAYS (AS APPROPRIATE FOR THE PARTICULAR PROJECT) TO KEEP THOSE SURFACES IN A SUBSTANTIALLY SEDIMENT-FREE CONDITION. SWEEPING SHALL BE DONE ON A PERIODIC, AS-NEEDED BASIS THROUGHOUT THE WORK WEEK INCLUDING, MOST IMPORTANTLY, AFTER EVERY RAIN EVENT AND EVERY FRIDAY AFTERNOON PRIOR TO CEASING WORK FOR THE
- . CONTRACTOR SHALL DEVELOP AND IMPLEMENT A PLAN TO ASSURE THAT ALL WASTE, SUCH AS DISCARDED BUILDING MATERIALS, CONCRETE TRUCK WASH-OUT, CHEMICALS, LITTER AND SANITARY WASTE, ARE PROPERLY CONTROLLED WHILE ON-SITE AND TRANSPORTED AND DISPOSED OF (OFF-SITE) IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. NO WASTE MATERIALS OF ANY KIND ARE PERMITTED TO BE BURIED ON-SITE OR DISCHARGED TO SURFACE WATERS OF THE STATE OR TO THE CITY STORM WATER SYSTEM.
- 22. ALL MATERIALS, MACHINERY AND VEHICLES SHALL BE STORED ON-SITE IN AN ORDERLY ORGANIZED FASHION.

#### **BMP MAINTENANCE NOTES**

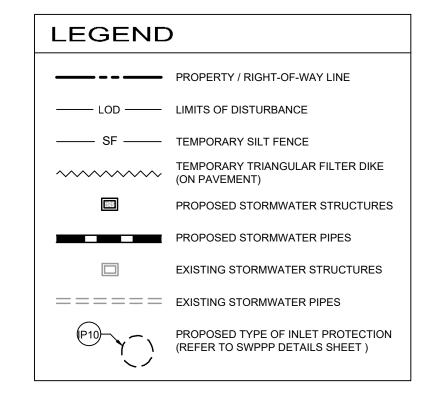
- ALL MEASURES STATED ON THESE PLANS SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR COMPLETED PHASE OF WORK OF FINAL STABILIZATION OF THE SITE. SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONSTRUCTION GENERAL PERMIT, AND REPAIRED IN ACCORDANCE WITH THE
- ✓INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF DETERIORATION.
- ALL SEEDED/SODDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHALL BE FERTILIZED. WATERED AND REPAIRED AS NEEDED.
- SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCE WHEN IT REACHES ONE-HALF THE HEIGHT OF THE FENCE.
- . ✔THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF SEDIMENT FROM THE SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE EXIT AS CONDITIONS DEMAND.
- THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN A GOOD CONDITION. THIS MAY REQUIRE PERIODIC TOP DRESSING
- ... PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS AND/OR SEDIMENT LEAVING THE SITE
- SHALL BE CLEANED IMMEDIATELY.
- ALL INLETS AND STORM DRAINS SHALL BE KEPT CLEAN OF DEBRIS AND SEDIMENT. ANY DEBRIS AND/OR SEDIMENT THAT ENTERS ✓ ANY INLET OR STORM DRAIN SHALL BE CLEANED IMMEDIATELY. FLUSHING SHALL NOT BE USED TO CLEAN DEBRIS AND/OR SEDIMENT

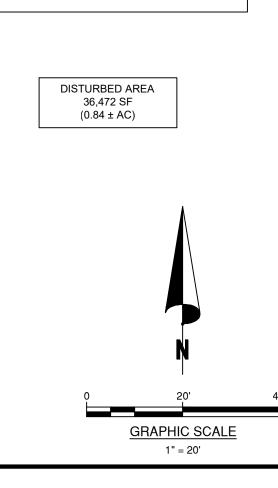
#### CONSTRUCTION SEQUENCE✓

- CONDUCT PRE-CONSTRUCTION MEETING WITH THE CITY TO DISCUSS EROSION AND SEDIMENT CONTROLS AND CONSTRUCTION PHASING.
- INSTALL STABILIZED CONSTRUCTION EXIT AND POST SWPPP AND SITE COMPLIANCE SIGNAGE THAT IS PUBLICLY VISIBLE. INSTALL CONSTRUCTION FENCES AND TEMPORARY TRAFFIC AND PEDESTRIAN CONTROL DEVICES.
- INSTALL INLET PROTECTION, SILT DIKES, AND SILT FENCE ON THE SITE AS SHOWN WITHIN THE CONSTRUCTION LIMITS. PREPARE TEMPORARY PARKING AND STORAGE AREAS.
- DEMO EXISTING STRUCTURES, PAVEMENT, AND SPECIFIED UTILITIES. BEGIN GRADING THE SITE.
- BEGIN CONSTRUCTION OF UTILITIES.
- 9. BEGIN SUBGRADE PREPARATION AND CONSTRUCTION OF STRUCTURES. 0. BEGIN INSTALLATION OF CURB, GUTTER, AND PAVING.
- I. COMPLETE PERMANENT STABILIZATION ON AREAS WHERE CONSTRUCTION HAS COMPLETED. COMPLETE FINAL GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.
- . OBTAIN CONCURRENCE FROM THE OWNER AND THE COUNTY THAT THE SITE HAS BEEN FULLY STABILIZED. 14. REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.
- 15. STABILIZE ALL AREAS DISTURBED BY BMP REMOVAL.

CONTRACTOR MAY COMPLETE CONSTRUCTION RELATED ACTIVITIES CONCURRENTLY ONLY IF ALL PRECEDING BMPS HAVE BEEN

THE ACTUAL SCHEDULE FOR IMPLEMENTING POLLUTANT CONTROL MEASURES WILL BE DETERMINED BY THE PROJECT CONSTRUCTION PROGRESS AND RECORDED BY THE GENERAL CONTRACTOR ON THESE PLANS.





QUALIFIED

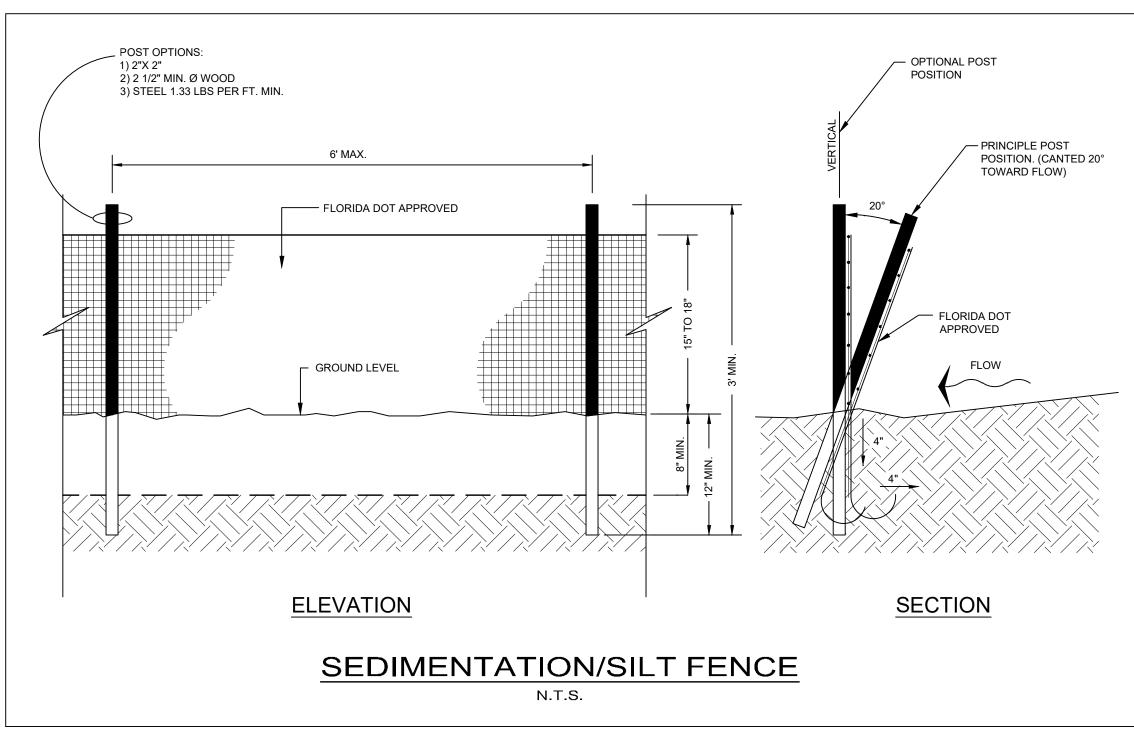
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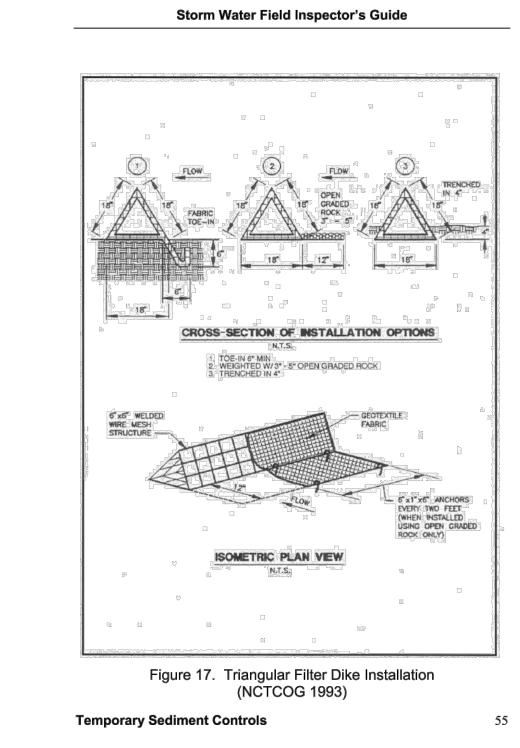
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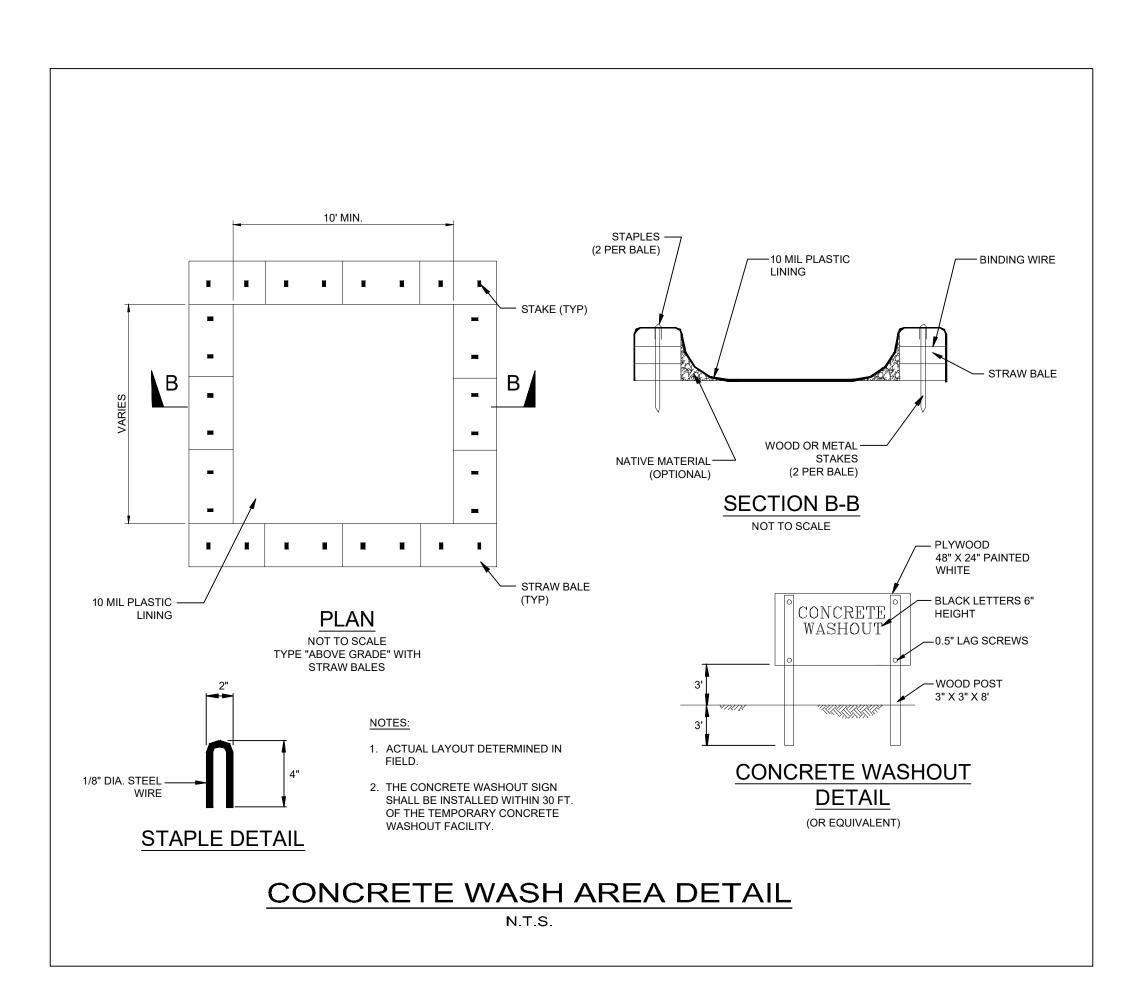
ANDREW J. PETERSEN LICENSE NO. 75493

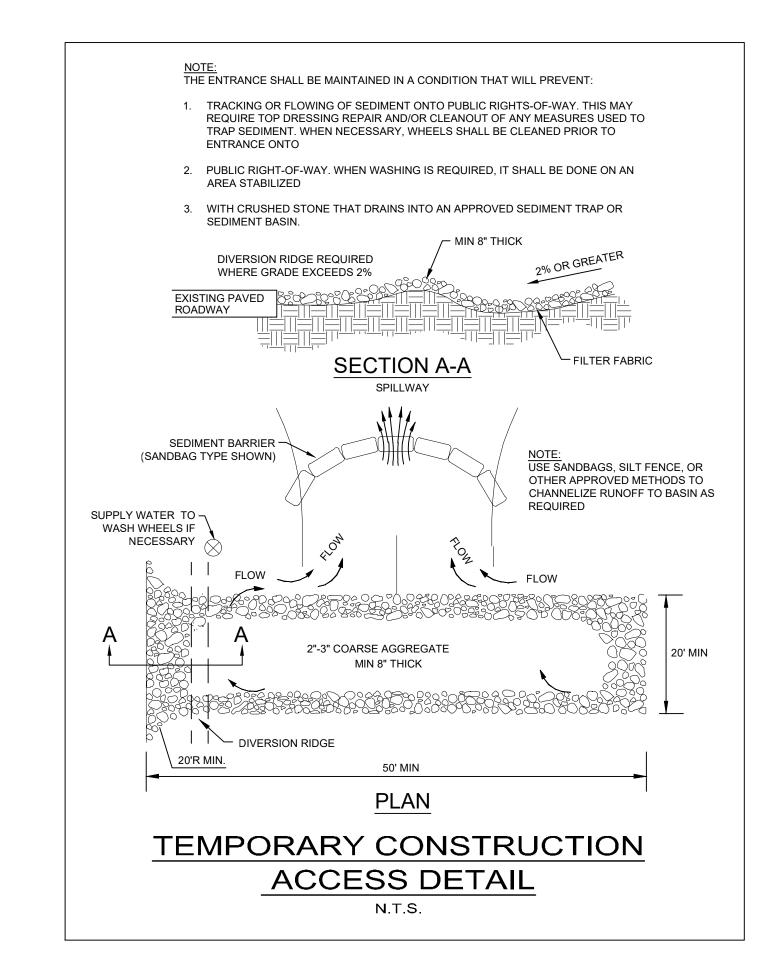
PLAN STATUS DATE | DESCRIPTION SW DF DESIGN DRAWN CHKD AS SHOWN JOB No. 011077-01-00 DATE: August, 202 TILE: 011077-D-CP-009-E

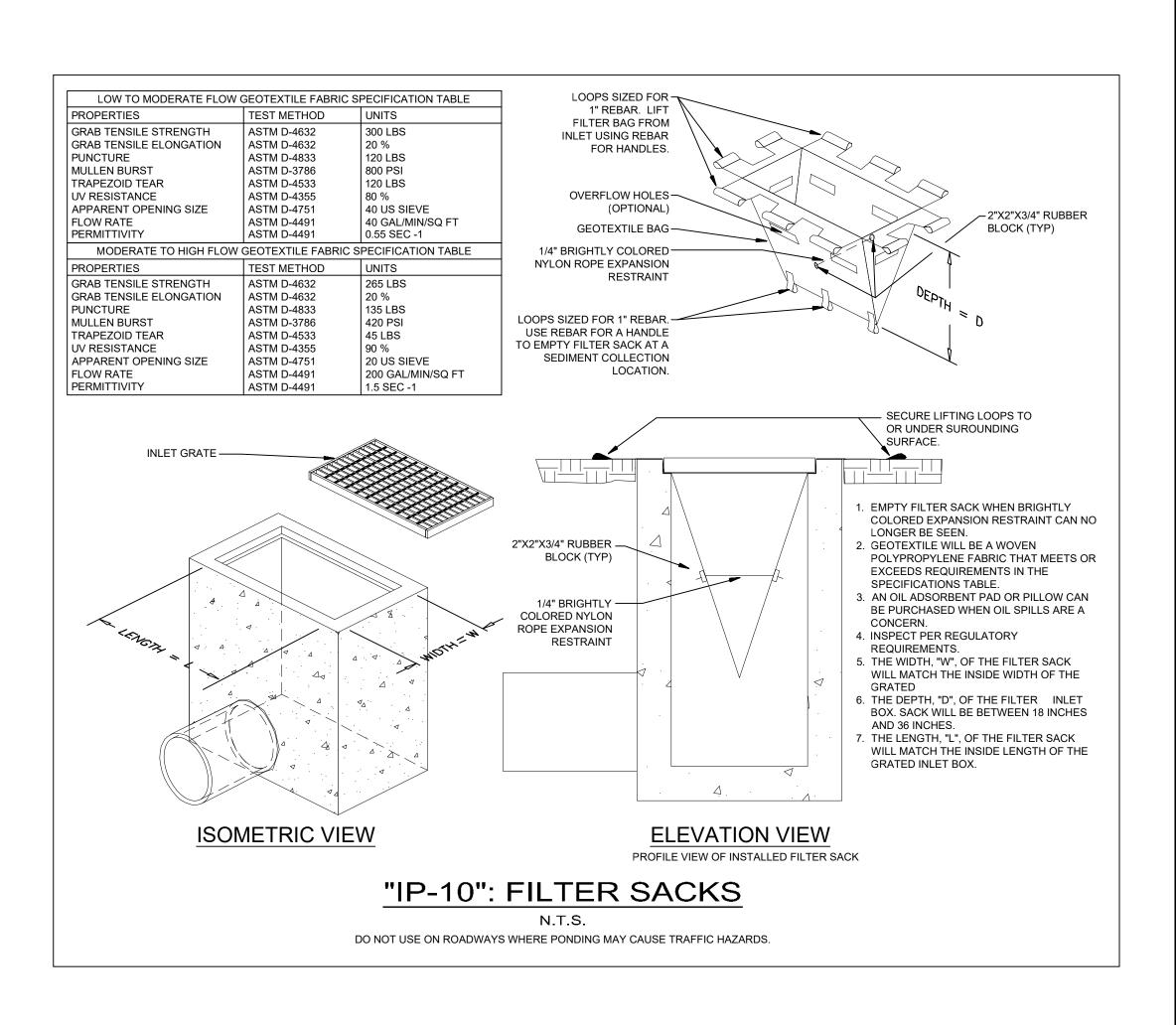












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ANDREW J. PETERSEN LICENSE NO. 75493

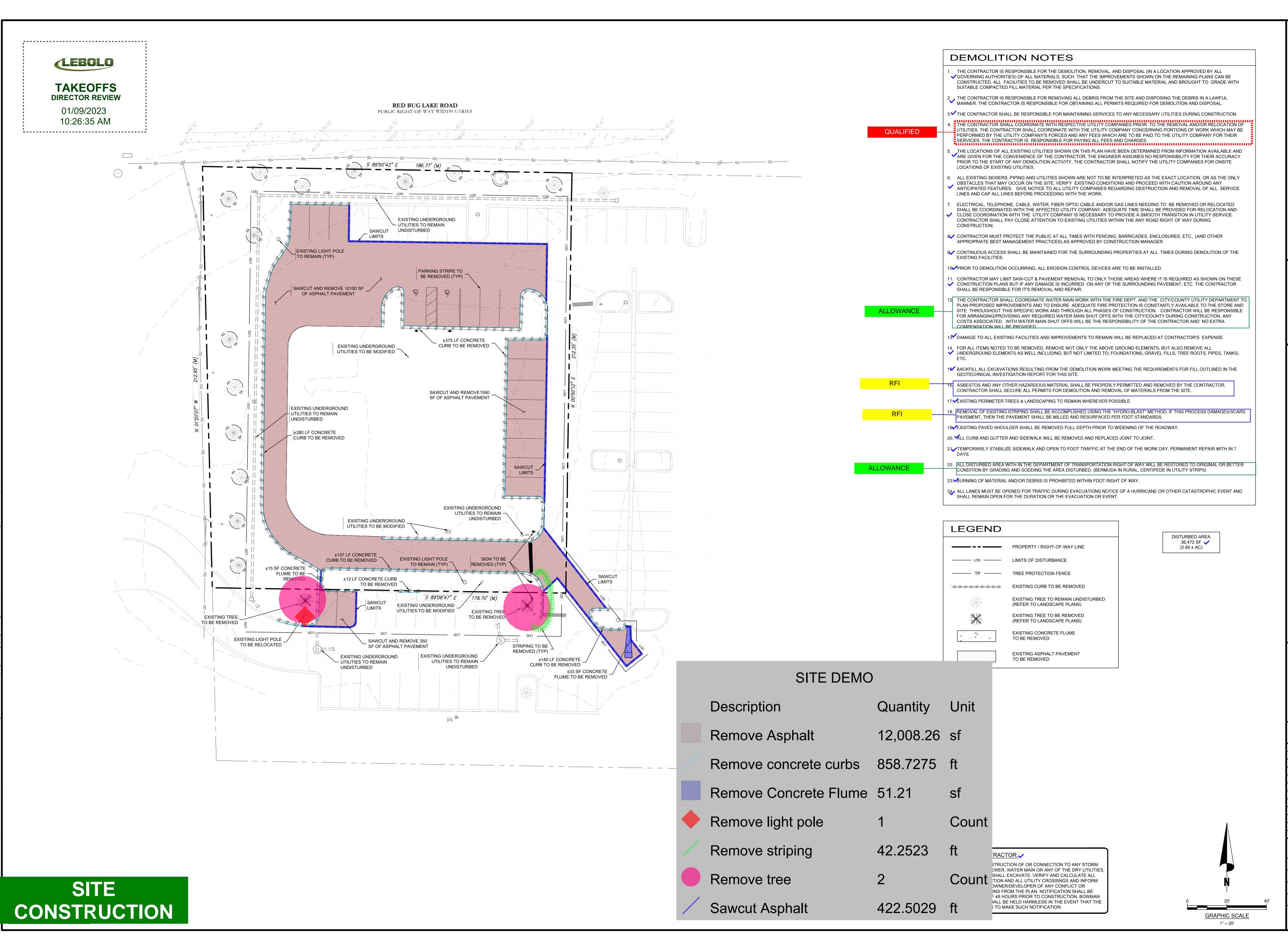
PLAN STATUS

DATE DESCRIPTION

DF SW DF

DESIGN DRAWN CHKD
SCALE: AS SHOWN
JOB No. 011077-01-009
DATE: August, 2022
FILE: 011077-D-CP-009-ECI

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ANDREW J. PETERSEN LICENSE NO. 75493

PLAN STATUS

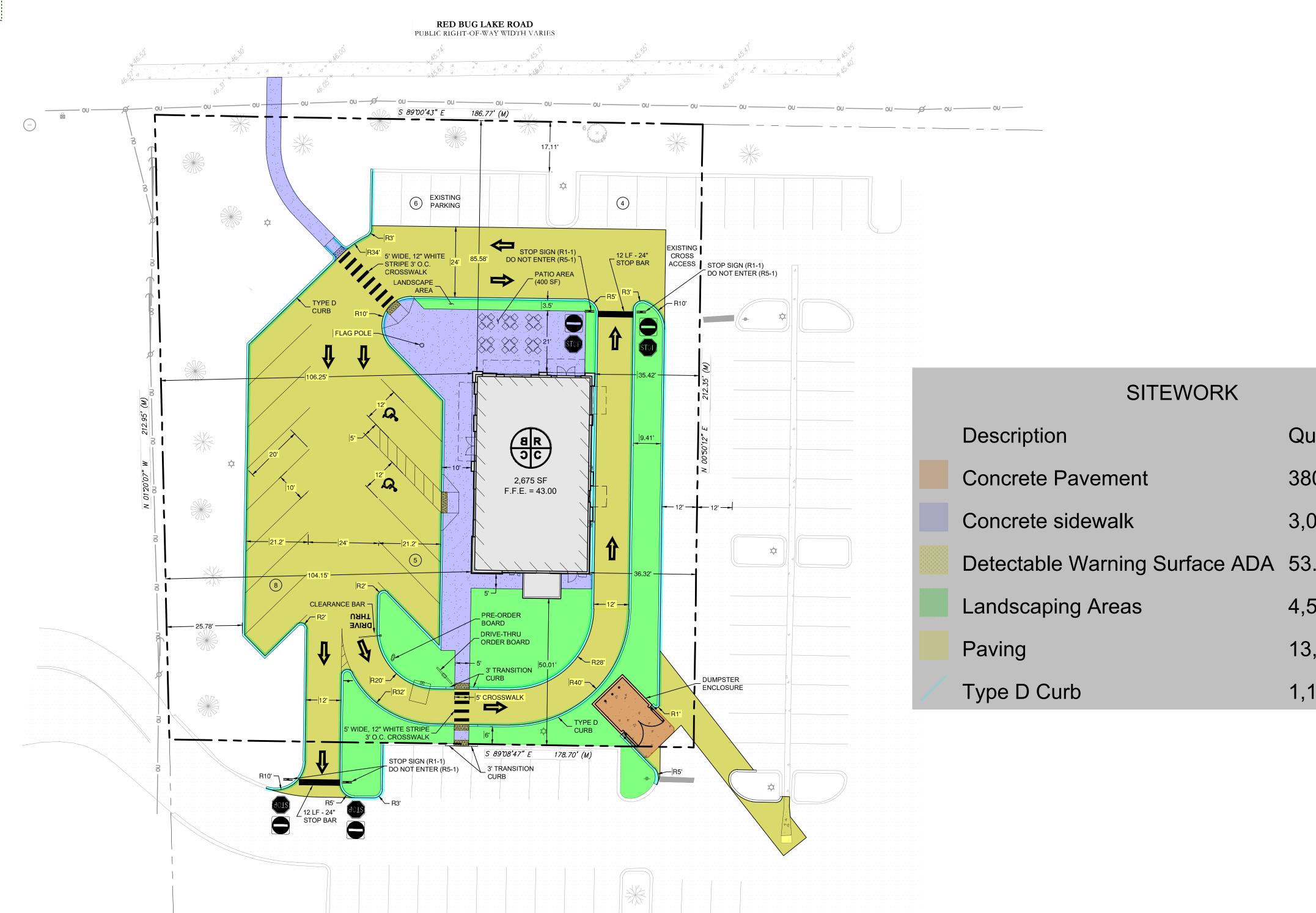
DATE DESCRIPTION SW DF DESIGN DRAWN CHKD

AS SHOWN JOB No. 011077-01-00

C4.0

DATE: August, 202 TILE: 011077-D-CP-009-DN





#### NOTES

CITE DATA

13,735.25 sf

1,164.9820 ft

SITEWORK

- 1. REFER TO TOPOGRAPHIC SURVEY FOR ADDITIONAL INFORMATION AND EXISTING SYMBOL LEGEND. 2. AEFER TO ARCHITECTURAL PLANS FOR BUILDING INFORMATION.
- B. IN GENERAL, ITEMS SHOWN AS BOLD LINEWORK REPRESENT PROPOSED FEATURES TO BE CONSTRUCTED \*AS PART OF THIS PROJECT, UNLESS NOTED OTHERWISE. SIMILARLY, SHADED LINEWORK TYPICALLY
- REPRESENTS EXISTING FEATURES OR ITEMS SHOWN FOR INFORMATIONAL PURPOSES ONLY. 4. ✓ UNLESS NOTED OTHERWISE, PROPOSED DIMENSIONS ARE SHOWN AT THE CENTERLINE OF ITEMS AND TO
- THE STRUCTURE FACE OR FLOWLINE OF CURB. . CONTRACTOR IS RESPONSIBLE FOR CORRECT HORIZONTAL AND VERTICAL ALIGNMENT OF ALL TIES
- BETWEEN PROPOSED AND EXISTING IMPROVEMENTS. .  $\checkmark$ AVEMENT MARKINGS SHALL CONFORM TO THE LATEST MUTCD MANUAL AND FDOT DESIGN STANDARDS.
- SAFE VEHICULAR AND PEDESTRIAN TRAFFIC MUST BE MAINTAINED AT ALL TIMES.

- 1. ALL AREAS DISTURBED WITHIN THE PUBLIC RIGHT-OF-WAY MUST BE SODDED 2. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL CONSTRUCTION AND STOCKPILED VEGETATIVE

- 14. CONTRACTOR SHALL MEET OR EXCEED ALL SITE WORK SPECIFICATIONS AND APPLICABLE STATE AND
- FEDERAL REGULATIONS FOR ALL MATERIALS AND CONSTRUCTION. 15✓ THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY DURING CONSTRUCTION. 16. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY SITUATION THAT IS NOT IDENTIFIED IN THE PLANS
- 17 NO REVISION SHALL BE MADE TO THESE PLANS WITH OUT THE APPROVAL OF THE ENGINEER OF RECORD.
- CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE. 19 ANY REFERENCE TO PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD,

- PRIOR TO CONSTRUCTION. ANY SIGNIFICANT VARIATIONS SHALL BE REPORTED TO THE ENGINEER
- 22. SIGNS ON THE SITE PLAN ARE SHOWN FOR REFERENCE ONLY AND APPROVAL OF THE SITE PLAN DOES NOT

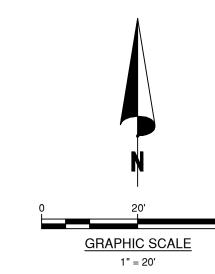
			0.89 AC (38,843 SF)
		NUMBER	19-21-31-514-0000-0010
			7111 RED BUG LAKE ROAD
			SEMINOLE COUNTY
Quantity	Unit		GOLDENEYE PLAN DEVELOPMENT
Quartity	Orne	NATION	ZONE X
			VACANT COMMERCIAL
200.00	_ <b>c</b>		COMMERCIAL
380.60	sf	EΑ	2,675 SF
		COVERAGE)	0.0688
			23,784 SF
3,030.26	sf	ATIO	0.612
3,030.20	31		15,058 SF
		10	0.388
<b>50.04</b>	_	QUIRED / PROVI	DED
53.84	sf		10 FT / 17 FT
			10 FT / 25 FT
			0 FT / 9 FT
1 522 20	sf		0 FT / 6 FT
4,523.20	51	UIRED / PROVID	
			0= FT / 0= FT

KING REQUIRED / PROPOSED

SIONS / ADA PAKING (L x W)

EQUIRED / PROPOSED

LEGEND	
	PROPERTY / RIGHT-OF-WAY LINE
<b>&amp;</b>	ACCESSIBLE PARKING SPACE
#	NUMBER OF CONTIGUOUS PARKING SPACES
	STREET SIGN LOCATION
STOP	36" X 36" R1-1 STOP SIGN AND ORIENTATION
	36" X 36" R5-1 DO NOT ENTER SIGN AND ORIENTATION
	PROPOSED BUILDING FOOTPRINT
	CONCRETE SIDEWALK
	STANDARD DUTY ASPHALT PAVEMENT
A A A .	HEAVY DUTY CONCRETE PAVEMENT



25 FT / 85 FT 25 FT / 104 FT

> 0 FT / 35 FT 0 FT / 50 FT

10 FT x 20 FT / 12 FT x 20 FT

8 / 21

1/2

SITE I LE CO I RED BUG OVIEDO, I RF

ANDREW J. PETERSEN LICENSE NO. 75493

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PLAN STATUS

DATE DESCRIPTION DESIGN DRAWN CHKD

AS SHOWN JOB No. 011077-01-00 DATE: August, 202

FILE: 011077-D-CP-009-C5.0

**LEBOLO TAKEOFFS DIRECTOR REVIEW** 01/09/2023 12:43:15 PM RED BUG LAKE ROAD PUBLIC RIGHT-OF-WAY WIDTH VARIES EXISTING -PAVEMENT RIM = 41.30 INV(S) = 38.10NV (E) = 38.55 80 LF OF 15" HDPE MATCH EXISTING **PAVEMENT** 42.45-42.35-2,675 SF F.F.E. = 43.00 TYPE C INLET INV (W) = 36.75 INV (SÉ) = 36.65 TYPE C INLET RIM = 40.80 -/ - EXISTING S 89'08'47" E 41.20 41.20 YARD DRAIN \ MATCH EXISTING CURB MATCH RIM = 39.40≻EX. INV (E) = \_\_.\_ EX. INV (W) = \_\_\_.\_ PRO. INV (NW) = \_\_\_.\_ DRAINAGE Description Quantity Unit 15" HDPE 385.44 Core Existing Catch Basin 1 Count SITE Type C Inlet Count CONSTRUCTION

NOTES

1. ✓ ALL ELEVATIONS SHOWN REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

2. $^{\checkmark}$  REFER TO TOPOGRAPHIC SURVEY FOR ADDITIONAL INFORMATION AND EXISTING SYMBOL LEGEND. 3. •MN GENERAL, ITEMS SHOWN AS BOLD LINEWORK REPRESENT PROPOSED FEATURES TO BE CONSTRUCTED AS PART OF THIS PROJECT, UNLESS NOTED OTHERWISE. SIMILARLY, SHADED LINEWORK TYPICALLY REPRESENTS EXISTING FEATURES OR ITEMS

SHOWN FOR INFORMATIONAL PURPOSES ONLY. 4. ✓GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WA AND SHALL LOCATE ALL UTILITIES PRIOR TO CRADING COMMENCEMENT.

5. TREE BARRICADE AT DRIP LINE OF TREE SHALL BE PROTECTED UNTIL CONSTRUCTION ACTIVITY IN VICINITY REQUIRES REMOVAL. 6. VALL TREE ROOTS EXISTING WITHIN APPROVED IMPROVEMENT AREAS AND ORIGINATING FROM A PROTECTED TREE, SHALL BE SEVERED CLEAN AT THE LIMITS OF THE PRESERVED AREA WHERE INDICATED ON THE APPROVED PLANS. ALL PRUNING SHALL BE PERFORMED USING A DOSKO ROOT CUTTER OR EQUIVALENT.

7✓ SITE WORK SHALL NOT PROCEED UNTIL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. 8. ✓ ALL AREAS DISTURBED WITHIN THE PUBLIC RIGHT-OF-WAY MUST BE SODDED.

9 € GENERAL CONTRACTOR SHALL SOD AT THE BACK OF ALL CURBS, PAVEMENT EDGES, SWALES AND DETENTION AREAS. 10√GENERAL CONTRACTOR SHALL PAVE INVERTS IN DRAINAGE STRUCTURES TO PREVENT IMPOUNDED WATER.

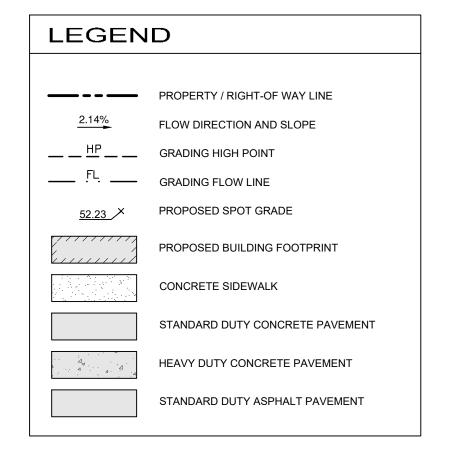
1 NAME ALL CONCRETE USED FOR SIDEWALKS, ROADWAY AND DRAINAGE STRUCTURES MUST MEET TXDOT STANDARDS. 12. THE CONTRACTOR SHALL LEGALLY DISPOSE OF ALL ITEMS DESIGNATED FOR REMOVAL IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS. SUCH MATERIAL, WHETHER HAZARDOUS OR NON-HAZARDOUS,

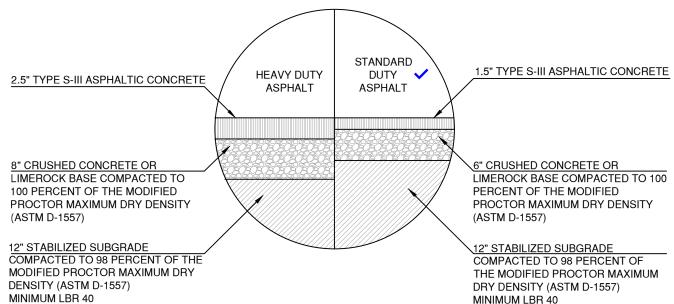
LAND-CLEARING, CONSTRUCTION OR DEMOLITION DEBRIS SHALL BE PROPERLY HANDLED AND TRANSPORTED TO AN 13. ✓ CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES SHOWN ON THE PLANS BY POT-HOLING THE LINES. THE CONTRACTOR

SHALL HAVE THE LINES SURVEYED, INCLUDING HORIZONTAL AND VERTICAL LOCATION, AND THE SURVEYED POINTS SENT TO THE PROJECT ENGINEER TO DETERMINE IF ANY UTILITY CONFLICTS WILL AFFECT THE CURRENT STORM DRAINAGE DESIGN. 4. SLOPES WITHIN THE ACCESSIBLE PARKING AREA AND ACCESS PATHWAY SHALL NOT EXCEED 2.0%.

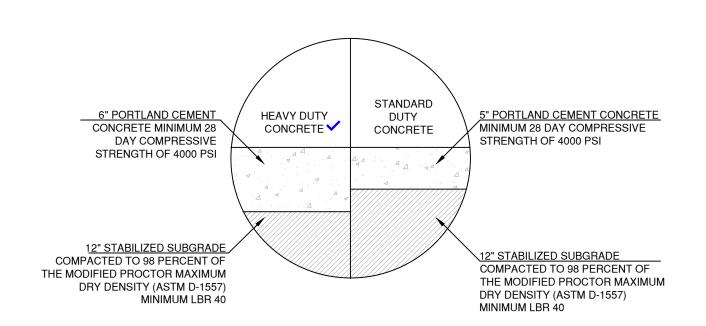
S. ALL PROPOSED SPOT ELEVATIONS ARE PAVEMENT GRADES, UNLESS OTHERWISE NOTES.

18. TOP OF CURBS ARE ASSUMED TO BE 0.5' ABOVE PAVEMENT GRADES UNLESS NOTED ON PLAN.

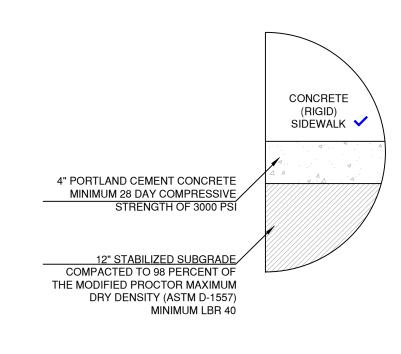




ASPHALT (FLEXIBLE) PAVEMENT



CONCRETE (RIGID) PAVEMENT



CONCRETE (RIGID) SIDEWALK

GRAPHIC SCALE

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August, 202

TILE: 011077-D-CP-009-P

C6.0

QUALIFIED

NOTES

- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND IS RESPONSIBLE TO REPAIR ANY DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION AT NO COST TO THE OWNER.

  2. VALL UTILITIES ARE SHOWN FROM INFORMATION GATHERED AND SHOULD NOT BE USED AS EXACT. CONTRACTOR SHALL VERIFY EXACT DEPTHS AND LOCATIONS PRIOR TO UTILITY INSTALLATION AND
- NOTIFY THE ENGINEER OF RECORD IF THERE ARE ANY DEVIATIONS ROM WHAT IS SHOWN ON PLANS. CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY FOR INSTALLATION AND
- SPECIFICATION REQUIREMENTS.

  4. ALL PIPE MATERIALS SHALL COMPLY WITH LOCAL REGULATIONS.
- 5. ALL TRENCHING AND BEDDING SHALL BE PER THE UTILITY TRENCH AND BEDDING DETAIL. 6. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR ALL BUILDING UTILITY TIE INS. 7. ✓THE CONTRACTOR IS TO FIELD VERIFY THE EXACT LOCATIONS AND DEPTHS OF UTILITY LINES. ALL CERTIFICATES AND SHOP DRAWINGS MUST BE SUBMITTED, REVIEWED, AND APPROVED PRIOR TO
- CONTRACTOR TO PROVIDE AS-BUILTS OF ALL IMPROVEMENTS TO THE SITE, PERFORMED BY A LICENSED SURVEYOR IN THE STATE OF TEXAS. AS-BUILTS TO INCLUDE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UNDERGROUND UTILITIES INCLUDING, BUT NOT LIMITED TO, PIPES, FITTINGS, STRUCTURES, AND OTHER APPURTENANCES. ELEVATIONS OF PIPES AT CROSSING POINTS MUST BE SUFFICIENT TO IDENTIFY MINIMUM SEPARATION OF UTILITIES. IN ADDITION AS-BUILTS MUST MEET ALL

LOCAL AND JURISDICTIONAL REQUIREMENTS FOR CERTIFICATION OF CONSTRUCT.

10. VINDERGROUND UTILITIES TO BE FIELD VERIFIED IN RIGHT-OF-WAY WORK WITH EXISTING UTILITIES.

LEGEND PROPERTY LINE ——wm — POTABLE WATER LINE ——ss—— SANITARY SEWER LINE SANITARY SEWER CLEAN OUT ——OU —— EXISTING OVERHEAD UTILITY LINE EXISTING FIRE HYDRANT

#### PIPE CONFLICTS

SANITARY SEWER OVER STORMWATER 6" PVC SEWER SERVICE B.O.P. = 39.06 15" HDPE STORM PIPE T.O.P. = 38.00 PROPOSED SEPARATION = 1.06'

EXISTING UTILITY POLE

SANITARY SEWER OVER STORMWATER 6" PVC SEWER SERVICE B.O.P. = 39.00 15" HDPE STORM PIPE T.O.P. = 38.00 PROPOSED SEPARATION = 1.00'

WATER SERVICE OVER STORWAY I.S. 1.5" PE WATER SERVICE B.O.P. = 39.50 15" HDPE STORM PIPE T.O.P. = 38.00
PROPOSED SEPARATION = 1.50'

	UTILITIES		
	Description	Quantity	Unit
	1 1/2" Water meter	1	Count
	1" Water meter	1	Count
	1.5" RPZ	2	Count
	6" PVC	111.2935	ft
	C.W. Pipe	64.6329	ft
<b>\</b>	Clean Out	7	Count
	Connection to existing sanitary	1	Count
	Connection to existing water	1	Count
	Grease Trap	1	Count

GRAPHIC SCALE 1" = 20'

RED BUG LAKE ROAD
PUBLIC RIGHT-OF-WAY WIDTH VARIES 6" SANITARY SEWER BUILDING ENTRY AT INV = 39.50 (REFER TO ARCHITECT PLANS) ELECTRICAL BUILDING ENTRY B R O C (REFER TO ARCHITECT PLANS) GAS BUILDING ENTRY 6" SANITARY SEWER BUILDING (REFER TO ARCHITECT PLANS) ENTRY AT INV = 39.50 2,675 SF DOUBLE 6" CLEANOUT 1,5" COMESTIC WATER ENTRY F.F.E. = 43.00 INV = 39.45(REFER TO ARCHITECT PLANS) 33 F OF 6" PVC SS @ 1.2% ¯ DOUBLE 6" CLEANOUT 65 LF OF 1.5" P.E. INV = 39.40WATER SERVICE GREASE TRAP (IN) INV = 39.35 COMMUNICATIONS BUILDING ENTRY (OUT) INV = 39.10 (REFER TO ARCHITECT PLANS) (REFER TO ARCHITECT PLANS) 1.5" RPZ AND DOMESTIC DOUBLE 6" CLEANOUT WATER METER INV = 39.056" CLEANOUT INV = 39.05 CONNECT TO
WATER SERVICE
AT EXISTING VALVE 67 F OF 6" PVC SS @ 1.1 -S 89°08'47" E 178.70' (M) CONNECT TO EXISTING CLEANOUT (INVERT NOT FIELD VERIFIED) STUB OUT FOR IRRIGATION SERVICE (SEE LANDSCAPE PLANS FOR CONTINUATION)

SITE CONSTRUCTION

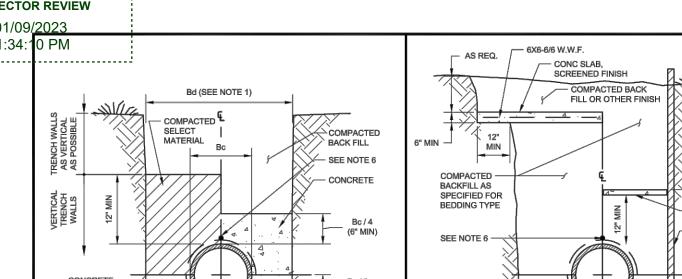
 $\Box$ 

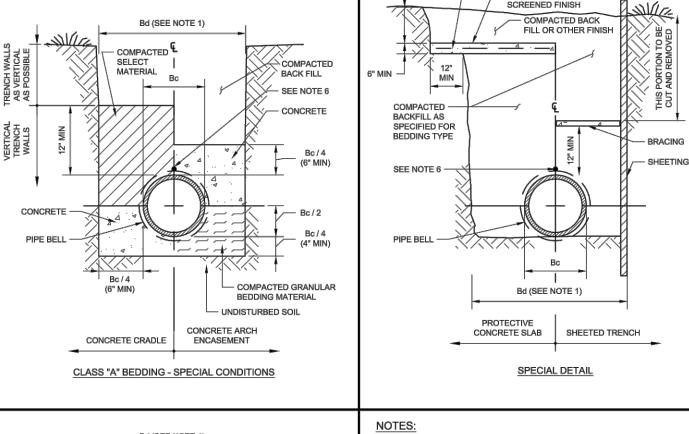
ANDREW J. PETERSEN LICENSE NO. 75493

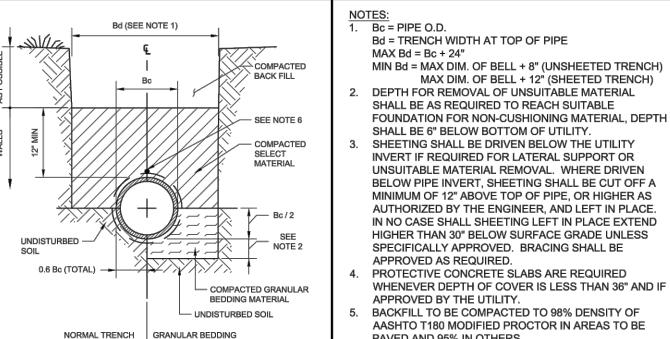
PLAN STATUS

DATE DESCRIPTION SW DF DESIGN DRAWN CHKD AS SHOWN JOB No. 011077-01-00

DATE: August, 202 FILE: 011077-D-CP-009-L







CLASS "B" BEDDING - NORMAL CONDITIONS

- WHENEVER DEPTH OF COVER IS LESS THAN 36" AND IF BACKFILL TO BE COMPACTED TO 98% DENSITY OF AASHTO T180 MODIFIED PROCTOR IN AREAS TO BE PAVED AND 95% IN OTHERS. REF. STANDARD DETAIL 109 - PIPE MATERIAL LOCATION FOR FULL LOCATION MATERIAL REQUIREMENTS.
- SEMINOLE COUNTY ENVIRONMENTAL SERVICES UTILITY ENGINEERING DIVISION 05/18/21 TRENCHING AND BEDDING 101

-	TRENCH WID SURFACE REF		(E)
	— ALL JOINTS SHALL BE MECHANICALLY SAW-CUT	SURFACE REPLACEMENT SHALL BE CONSISTENT WITH EXISTING MATERIAL AND OF EQUAL THICKNESS BUT IN NO CASE LESS THAN 2" TOTAL THICKNESS.	THICKNESS OF EXISTING ASPHALT AND BASE (T)
NIW .e	COMPA BACKI (SEE NO 1.5' TRENCH W	CTED—FILL DTE 2)	
REF. DETAIL 10 APPROPRIATE BEDDING TYPE	12 VAIN		

. MILL AND RESURFACING REQUIREMENTS PER SEMINOLE COUNTY PUBLIC WORKS REQUIREMENTS OR WHICH EVER GOVERNING MUNICIPALITY.

2. BACKFILL SHALL BE PLACED IN 6" LAYERS FROM BENEATH THE HAUNCHES OF THE PIPE TO THE BASE AND COMPACTED TO 98% DENSITY PER AASHTO T-180 MODIFIED PROCTER.

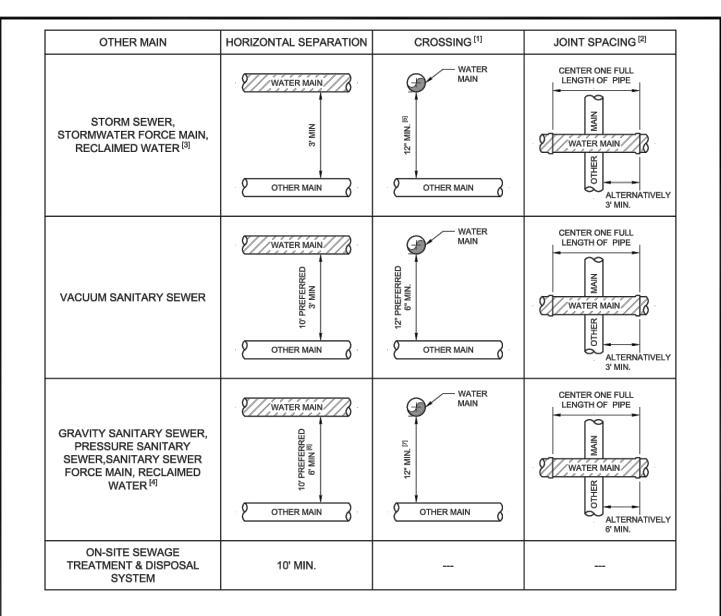
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05/18/21

- BASE MATERIALS SHALL BE PLACED IN TWO OR THREE LAYERS ROLLED AND TAMPED TO ABOVE SPECIFIED DENSITY.
- 4. PARTIAL LANE REPLACEMENT SHALL HAVE FULL LANE WIDTH MILLED AND RESURFACED. 5. REF. DETAIL 104 FOR PIPE RESTRAINT REQUIREMENTS.

**EXISTING ROADWAY OPEN CUT** 

SEMINOLE COUNTY ENVIRONMENTAL SERVICES - UTILITY ENGINEERING DIVISION	DATE: 05/18/21
	FIGURE:



NOTES:

WATER MAIN SHOULD CROSS ABOVE ANY OTHER PIPE. WHEN WATER MAIN MUST BE BELOW ANOTHER PIPE, THE MINIMUM SEPARATION BETWEEN OUTSIDE OF WATER MAIN AND OUTSIDE OF OTHER PIPE IS 12".

AT ALL UTILITY CROSSINGS ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS

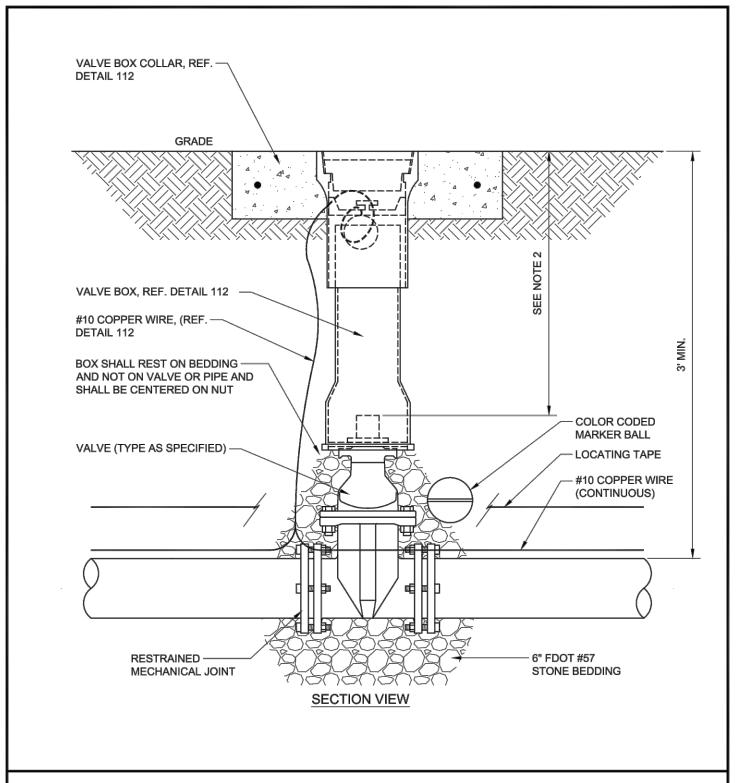
WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. SEE ALTERNATIVE ARRANGEMENTS. RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610 F.A.C. RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610 F.A.C.

5. FOR STORM SEWER: 12" PREFERRED, 6" MIN
5. FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6" ABOVE THE TOP OF THE GRAVITY SANITARY SEWER MAIN

- HORIZONTAL SEPARATION SHALL BE 3' MIN. FOR GRAVITY SANITARY SEWER: 12" PREFERRED, 6" MIN.
- NO WATER PIPE SHALL PASS THROUGH OR BE CONSTRUCTED TOUCHING ANY PART OF A SANITARY OR STORM WATER MANHOLE OR STRUCTURE.
  PROP. OR RELOCATED FIRE HYDRANTS WITH UNDERGROUND DRAINS MUST BE AT LEAST 10 FEET FROM ANY EXISTING OR PROP. "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381,0065 (2), F.S., AND RULE 64E-6,002, F.A.C.
- WHERE IT IS NOT POSSIBLE TO MEET THE SEPARATION REQUIREMENTS, THE FOLLOWING ALTERNATIVE CONSTRUCTION VARIANCES ARE ACCEPTABLE ONLY WITH THE EXPRESSED WRITTEN CONSENT OF THE UTILITIES ENGINEERING DIVISION: 10.1. WHERE A WATER MAIN IS BEING LAID LESS THAN THE REQUIRED MINIMUM HORIZONTAL DISTANCE AND/OR WHERE A WATER MAIN CROSSING HAS LESS THAN THE MINIMUM REQUIRED DISTANCE BETWEEN JOINTS:
- 10.1.1. USE OF PRESSURE RATED PIPE CONFORMING TO AWWA STANDARDS, FOR A GRAVITY OR VACUUM TYPE PIPE LINE.
  10.1.2. USE OF WELDED, FUSED OR OTHERWISE RESTRAINED JOINTS FOR EITHER PIPE.
  10.1.3. USE OF WATERTIGHT CASING PIPE OR CONCRETE ENCASEMENT AT LEAST 6" PREFERRED, 4" MIN. THICK FOR EITHER PIPE. REFERENCE DETAIL 107. WHERE A WATER MAIN IS BEING LAID LESS THAN 3 FEET HORIZONTALLY FROM ANOTHER PIPE LINE AND/OR WHERE A WATER MAIN IS BEING LAID WITH LESS
- THAN THE REQUIRED MINIMUM VERTICAL SEPARATION: USE OF PIPE OR CASING PIPE, HAVING HIGH IMPACT STRENGTH (AT LEAST EQUAL TO 0.25" THICK D.I.P.), OR CONCRETE ENCASEMENT AT 6" PREFERRED, 4" MIN. THICK FOR THE WATER MAIN AND THE OTHER PIPE LINE IF THE OTHER PIPE LINE CONVEYS WASTEWATER OR RECLAIMED WATER. REFERENCE
- 11. FOR PIPE CROSSING CONFLICTS REFERENCE DETAIL 106. CONFLICTS SHALL NOT BE RESOLVED BY DEFLECTING PIPE JOINTS.

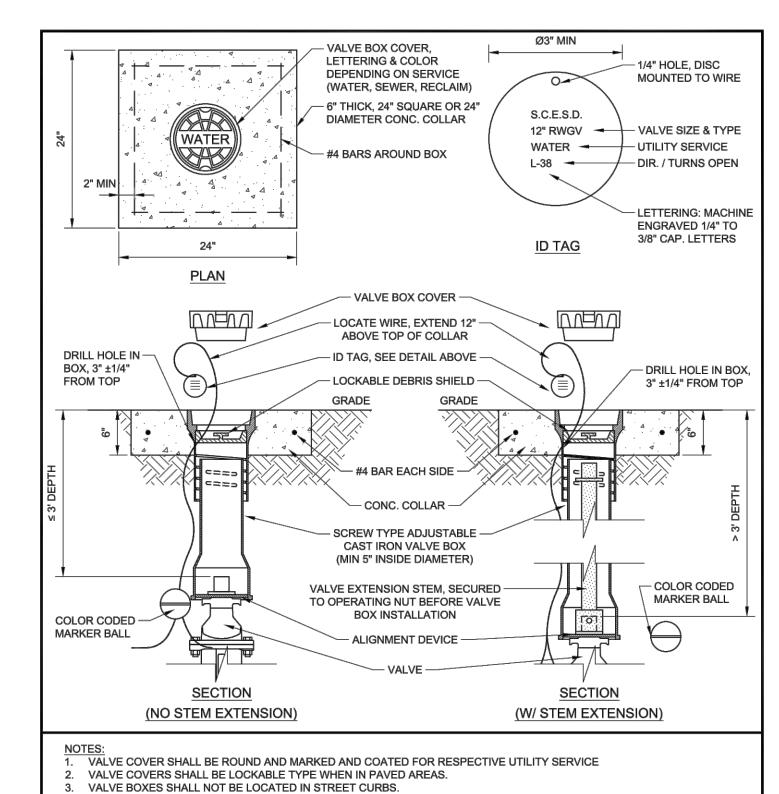
THIS DETAIL IS PROVIDED FOR CONVENIENCE. REFERENCE FAC 62-555.314 FOR FULL REQUIREMENTS.

SEMINOLE COUNTY ENVIRONMENTAL SERVICES - UTILITY ENGINEERING DIVISION	DATE: 05/18/21
FAC 62-555.314 SEPARATION REQUIREMENTS	FIGURE: 105



THIS DETAIL IS INCOMPLETE WITHOUT ACCOMPANYING DETAIL 112 - VALVE BOX AND COLLAR. VALVE EXTENSION STEM REQUIRED IF TOP OF VALVE OPERATING NUT IS GREATER THAN 3' FROM FINISHED GRADE. VALVE BOX SHALL NOT BE LOCATED IN STREET CURBS. REF. STANDARD DETAIL 109 - PIPE MATERIAL LOCATION FOR FULL MATERIAL LOCATION REQUIREMENTS.

SEMINOLE COUNTY ENVIRONMENTAL SERVICES - UTILITY ENGINEERING DIVISION	DATE: 05/18/21
	FIGURE:
VALVE SET	111



ANY VALVE OPERATING NUT DEEPER THAN 3' FROM FINAL GRADE WILL REQUIRE A VALVE NUT EXTENSION,

SEMINOLE COUNTY ENVIRONMENTAL SERVICES - UTILITY ENGINEERING DIVISION

MECHANICALLY FASTENED TO THE VALVE OPERATING NUT, WITH TOP OF EXTENSION SET WITHIN 3' OF FINAL GRADE.

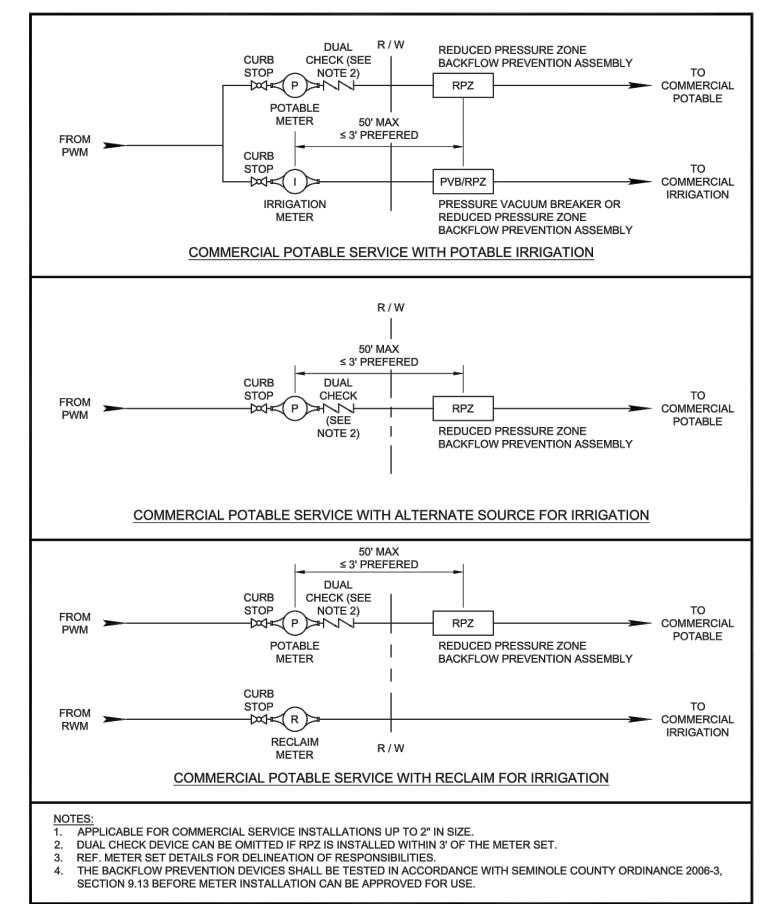
9. LOCATE WIRES SHALL BE CONTINUOUS WITH NO SPLICES, EXTEND A MINIMUM OF 12" ABOVE TOP OF COLLAR, AND BE

VALVE BOX DEBRIS SHIELD SHALL BE LOCKABLE, COLOR CODED TO SERVICE AND INCLUDE ATTACHED LOCATING COIL.

VALVE BOXES SHALL BE ADJUSTED TO MIDRANGE TO ALLOW FUTURE VALVE ADJUSTMENTS. PVC OR DUCTILE IRON PIPE

05/18/21

112



SEMINOLE COUNTY ENVIRONMENTAL SERVICES - UTILITY ENGINEERING DIVISION

**COMMERCIAL CROSS CONNECTION CONTROL (≤ 2" METER)** 

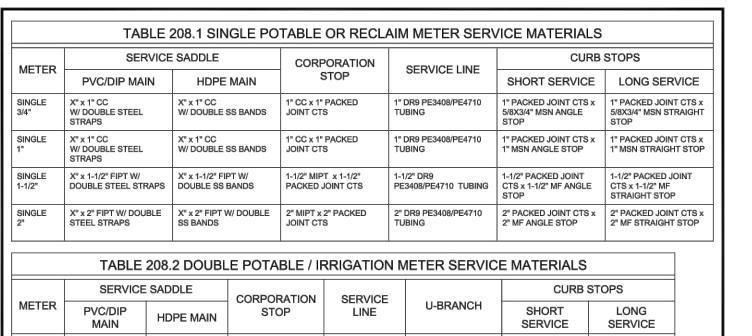


TABLE 208.2 DOUBLE POTABLE / IRRIGATION METER SERVICE MATERIALS							
	SERVICE SADDLE		CORPORATION	SERVICE		CURB STOPS	
METER	PVC/DIP MAIN	HDPE MAIN	STOP	LINE	U-BRANCH	SHORT SERVICE	LONG SERVICE
DOUBLE 3/4"	X" x 1-1/2" FIPT W/ DOUBLE STEEL STRAPS	X" x 1-1/2" FIPT W/ DOUBLE SS BANDS	1-1/2" MIPT x 1-1/2" PACKED JOINT CTS	1-1/2" DR9 PE3408/PE4710 TUBING	1-1/2" PACKED JOINT CTS x 3/4" MIPT x 7-1/2"	3/4" FIPT x 5/8X3/4" MSN ANGLE STOP	3/4" FIPT x 5/8X3/4" MSN STRAIGHT STOP
DOUBLE 1"	X" x 1-1/2" FIPT W/ DOUBLE STEEL STRAPS	X" x 1-1/2" FIPT W/ DOUBLE SS BANDS	1-1/2" MIPT x 1-1/2" PACKED JOINT CTS	1-1/2" DR9 PE3408/PE4710 TUBING	1-1/2" PACKED JOINT CTS x 1" MIPT x 7-1/2"	1" FIPT x 1" MSN ANGLE STOP	1" FIPT x 1" MSN STRAIGHT STOP
TABLE 208.3 DOUBLE RECLAIM METER SERVICE MATERIALS							

	TABLE 208.3 DOUBLE RECLAIM METER SERVICE MATERIALS							
М		SERVICE SADDLE		CORPORATION	SERVICE		CURB STOPS	
	METER	PVC/DIP MAIN	HDPE MAIN	STOP	LINE	Y-BRANCH	SHORT SERVICE	LONG SERVICE
	DOUBLE 1"	X" x 1-1/2" FIPT W/ DOUBLE STEEL STRAPS	X" x 1-1/2" FIPT W/ DOUBLE SS BANDS	1-1/2" MIPT x 1-1/2" PACKED JOINT CTS	1-1/2" DR9 PE3408/PE4710 TUBING	1-1/2" PACKED JOINT CTS x 1" PACKED JOINT CTS	1" PACKED JOINT CTS x 1" MSN ANGLE STOP	1" PACKED JOINT CTS x 1" MSN STRAIGHT STOP

- METER SET DETAILS ARE APPLICABLE FOR SINGLE METER SETS UP TO 2" AND DOUBLE METER SETS UP TO 1". RECLAIMED METERS MINIMUM OF 1" PER SCESD RECLAIMED DEPARTMENT. CROSS REFERENCE TABLE IN THIS DETAIL AND APPROVED MATERIALS LIST FOR SERVICE MATERIAL SPECIFICATIONS
- 2.1. RESIDENTIAL SERVICES UP TO 2", CONTRACTOR TO SET UP TO THE CURB STOP W/ METER BOX. METER BOXES SHALL BE ACQUIRED FROM SCESD.

  2.2. COMMERCIAL SERVICES UP TO 2", CONTRACTOR TO SET ALL SERVICE MATERIALS INCLUDING UP TO THE CURB STOP, METER, METER BOX, AND BACK FLOW PREVENTER UNDER THE WITNESS OF CROSS CONTROL SPECIALIST. METER, METER BOX, AND DUAL CHECK VALVE SHALL BE ACQUIRED FROM SCESD.
- SERVICE SADDLES
- 3.2. TAPS SHALL BE A MINIMUM OF 18 INCHES FROM PIPE JOINTS, SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE SPACED A MINIMUM OF 18 INCHES APART.

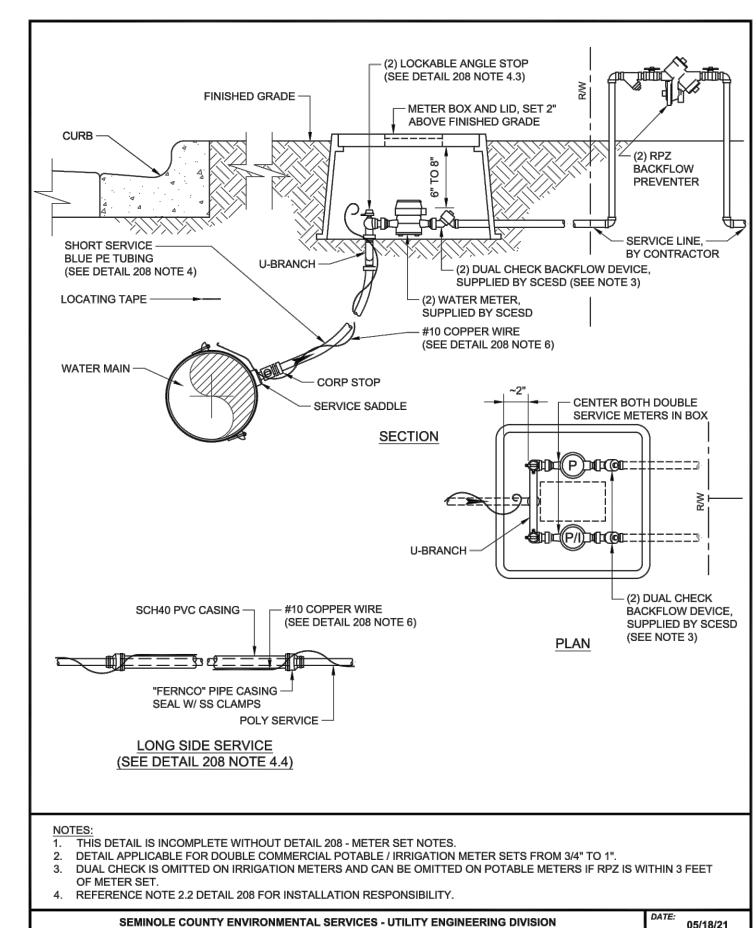
  4. SERVICE LINES AND CURB STOPS

  4.1. SERVICES LINES SHALL BE CONTINUOUS FROM CORPORATION STOP TO CURB STOP / Y-BRANCH / U-BRANCH WITH NO FITTINGS IN BETWEEN.

  4.2. PE TUBING BENDING RADIUS SHALL NOT BE LESS THAN WHAT IS RECOMMENDED BY MANUFACTURE OR WHAT IS REQUIRED TO EASILY WORK

  4.3. SHORT SIDE SERVICES SHALL UTILIZE ANGLED CURB STOPS. LONG SIDE SERVICES SHALL USE STRAIGHT CURB STOPS.
- 4.4. LONG SIDE SERVICES & ROADWAY CROSSINGS:
   4.4.1. ALL LONG SIDE POLYETHYLENE SERVICE LINES SHALL BE INSTALLED IN A SCHEDULE 40 PVC CASING WITH A NOMINAL DIAMETER OF 1 INCH LARGER THAN THE SERVICE LINE DIAMETER, BUT NOT EXCEEDING 4 INCH NOMINAL DIAMETER.
- THE CASING SHALL EXTEND A MINIMUM OF 12 INCHES BEYOND THE EDGE OF PAVEMENT OR BACK OF CURB, WHICHEVER IS GREATER.
  THE DEPTH OF COVER OVER THE CASING SHALL BE A MINIMUM OF 24 INCHES BELOW THE ROAD BASE COURSE OR A TOTAL OF 36 INCHES BELOW THE TOP OF PAVEMENT, WHICHEVER IS GREATER.
  THE ANNULAR SPACE AT THE CASING ENDS SHALL BE SEALED WITH A "FERNCO" TYPE PIPE CASING SEAL WITH STAINLESS STEEL CLAMPS.
- 5.1. METER BOXES AND LIDS SHALL BE SET 2" ABOVE FINISHED GRADE, BE INSTALLED BETWEEN THE SIDEWALK AND CURB, DIRECTLY ADJACENT TO THE LOT LINE AND SHALL NOT BE INSTALLED IN SIDEWALKS, UNDER PAVED AREAS, CURBS OR OTHER STRUCTURES.
- 6.1. TRACER WIRE SHALL BE RUN WITH ALL SERVICES A MINIMUM OF 1 FOOT BEYOND THE CURB STOP AND TIED INTO THE TRACER WIRE THAT RUNS WITH THE
- WIRE CONNECTIONS SHALL BE MADE WITH "DRYCONN" WATERPROOF CONNECTORS, MODEL # DB LUG AQUA. 6.3. TRACER WIRE COLOR SHALL COORDINATE WITH SERVICE TYPE. REFERENCE APPROVED MATERIALS LIST.

SEMINOLE COUNTY ENVIRONMENTAL SERVICES - UTILITY ENGINEERING DIVISION	DATE: 05/18/21
METER SET NOTES AND MATERIALS	FIGURE: 208



**DOUBLE COMMERCIAL POTABLE / IRRIGATION METER** 

 $\mathbf{m}$ STATE OF ANDREW J. PETERSEN LICENSE NO. 75493 PLAN STATUS DATE | DESCRIPTION SW | DF DESIGN | DRAWN | CHKD AS SHOWN JOB No. 011077-01-00 August, 202 TILE: 011077-D-CP-009-D

05/18/21

212

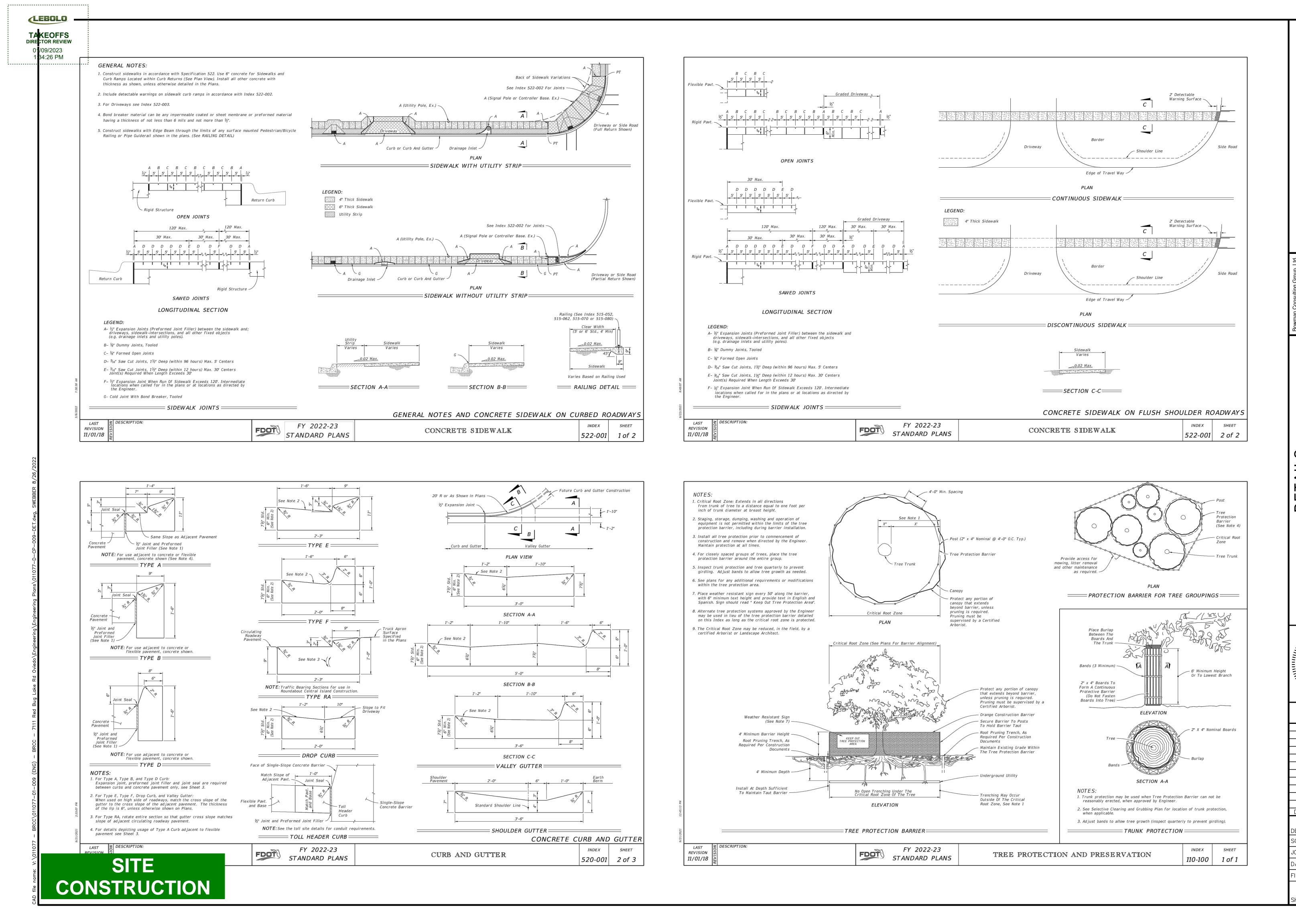
**VALVE BOX AND COLLAR** SITE CONSTRUCTION

SHALL NOT BE USED AS VALVE BOX EXTENSION

VALVE BOX AND COLLAR TOP SHALL BE SET TO FINISHED GRADE

COLOR CODED TO MATCH THE RESPECTIVE UTILITY SERVICE.

VALVE BOX ALIGNMENT DEVICE SHALL BE INSTALLED BELOW OPERATING NUT.



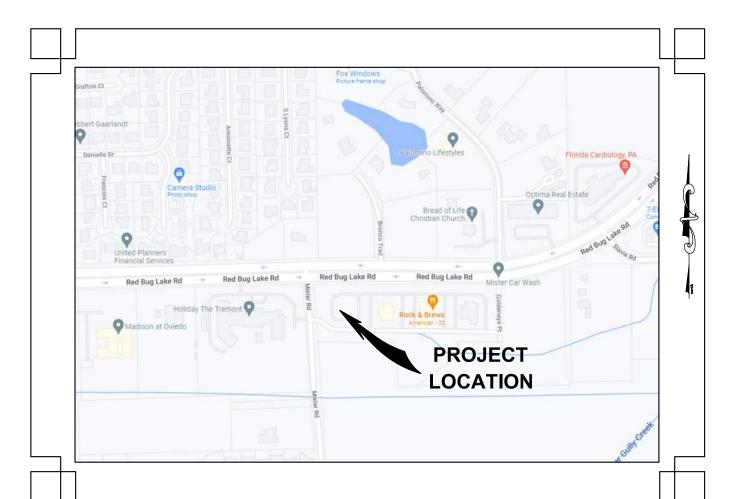
OMP,

 $\mathbf{m}$ 

ANDREW J. PETERSEN LICENSE NO. 75493 PLAN STATUS

DATE | DESCRIPTION SW DF DESIGN DRAWN CHKD AS SHOWN

IOB No. 011077-01-00 August, 202 TILE: 011077-D-CP-009-D



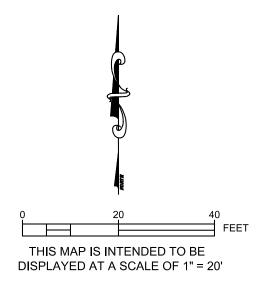
# **LOCATION MAP**

THIS MAP IS INTENDED TO BE DISPLAYED AT A SCALE OF 1" = 20' OR SMALLER

#### LEGAL DESCRIPTION

PER EXHIBIT "A" OF THE LEASE AGREEMENT DATED: MARCH 31, 2022

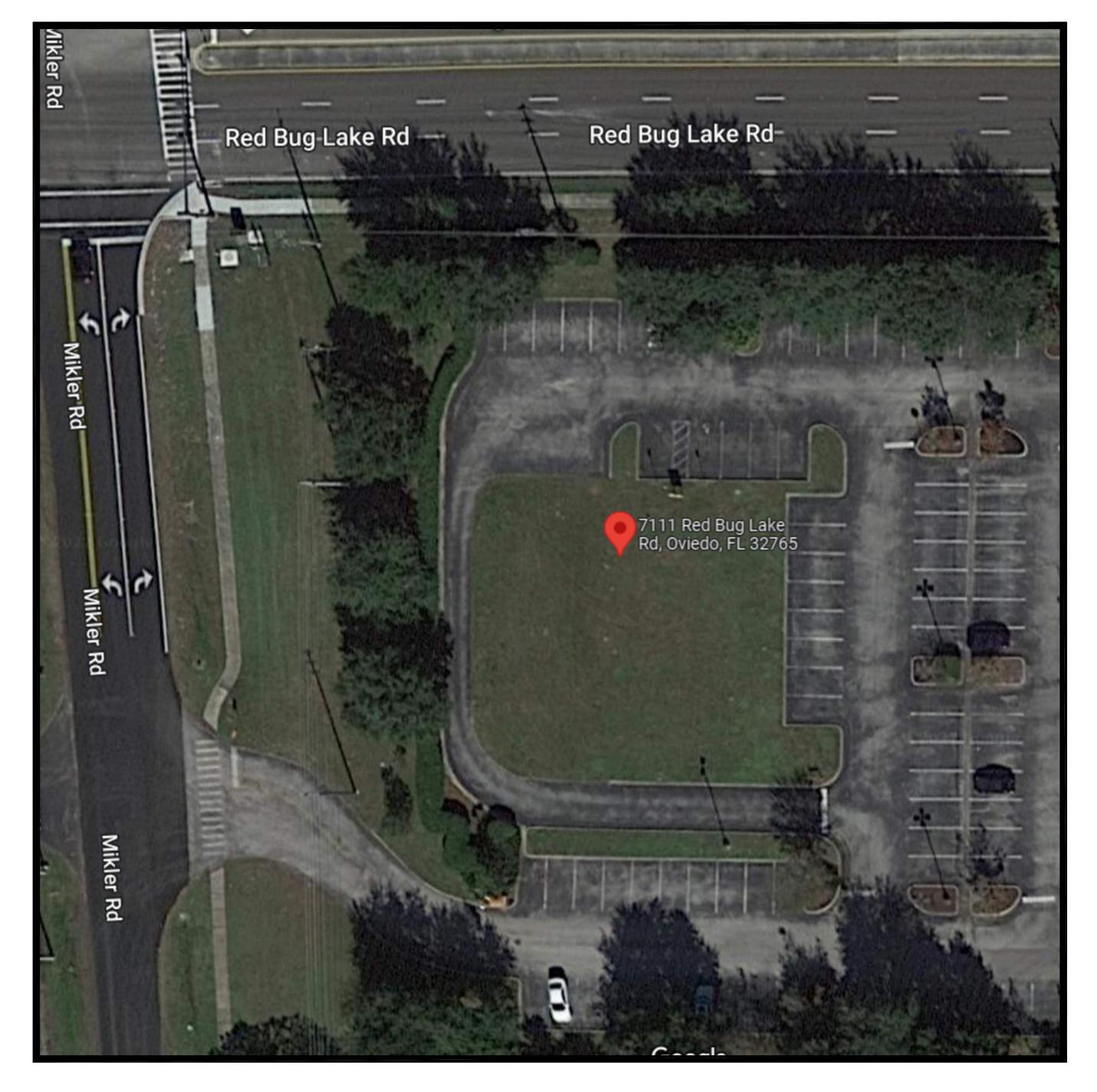
LOT 1, GOLDENEYE POINT, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 75, PAGES 79 AND 80, OF THE PUBLIC RECORDS OF SEMINOLE COUNTY, FLORIDA.



### **INDEX OF SHEETS**

**BOUNDARY/ TOPOGRAPHIC SURVEY** 

# BOUNDARY AND TOPOGRAPHIC SURVEY LOT 1 IN GOLDEN EYE POINT, PLAT BOOK 75, PAGE 80 BEING PART OF SECTION 19, TOWNSHIP 21 SOUTH, RANGE 31 EAST SEMINOLE COUNTY, OVIEDO FLORIDA 32765



#### **SURVEYOR'S NOTES:**

- THIS IS A BOUNDARY SURVEY AS DEFINED IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE. SAID SURVEY MEETS THE "STANDARDS OF PRACTICE" FOR SURVEYING AND MAPPING, AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE (F.A.C.), PURSUANT TO SECTION 472.027, FLORIDA STATUTES. THERE MAY BE OTHER MATTERS IN THE PUBLIC
- PLANE COORDINATE SYSTEM, TRANSVERSE MERCATOR PROJECTION, WEST ZONE, NATIONAL AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND WERE ESTABLISHED BY R.T.K.-G.P.S. USING THE TRIMBLE R-10 WITH THE VRS NETWORK AND VERIFIED BY MULTIPLE OCCUPATIONS ON THE PROJECT CONTROL POINTS.

THE BASIS OF BEARING REFERS TO A BEARING OF S 89°07'45" E ALONG THE SOUTH RIGHT OF WAY LINE OF RED BUG LAKE ROAD, AS RECORDED IN PLAT BOOK 75, PAGE 80. BASIS OF BEARING MEASURED IS S 89°00'43" E.

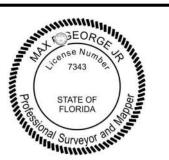
THE ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 88) AND ARE BASED UPON THE FOLLOWING PUBLISHED BENCHMARKS:

N: 1567246.19 E: 576046.70

ELEVATION: 42.33' (N.A.V.D. 88)

- THIS SURVEY WAS PERFORMED UTILIZING R.T.K.-G.P.S. AND TRADITIONAL SURVEY PROCEDURES WITH MULTIPLE
- 5. THE LANDS BOUND BY THIS SURVEY LIE WITHIN FLOOD ZONE "X". PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A.) ON FLOOD INSURANCE RATE MAP NUMBER 12117C0190F, DATED 9/28/2007.
- 6. SUBSURFACE OR UNDERGROUND UTILITIES OR FOUNDATIONS HAVE NOT BEEN LOCATED AND ARE NOT A PART OF THIS
- 7. ALL DISTANCES SHOWN HEREON ARE IN U.S. SURVEY FEET AND DECIMALS THEREOF AND ARE PLATTED OR CALCULATED
- 8. SURVEY IS NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OR THE ELECTRONIC SIGNATURE OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
- 9. ALL MATTERS SHOWN ON RECORDED PLATS PROVIDED TO THE SURVEYOR ARE SHOWN ON THE SURVEY.
- 10. THIS SURVEY WAS MADE WITHOUT BENEFIT OF TITLE WORK. ENCUMBRANCES, EASEMENTS OR OTHER MATTERS THAT MIGHT BE DISCLOSED IN TITLE WORK MAY EXISIT FOR THIS PARCEL.

PROJECT NO 011077-01-009



DATE | DESCRIPTION 21-233

FIELD CREW: RP, MB DRAWN

CHKD H: 1"=20' SCALE IOB No.011077-01-009

DATE MAY 10, 2022 011077-01-009

MAY 10, 2022

DATE OF LAST FIELDWORK

TO: BLACK RIFLE COFFEE COMPANY

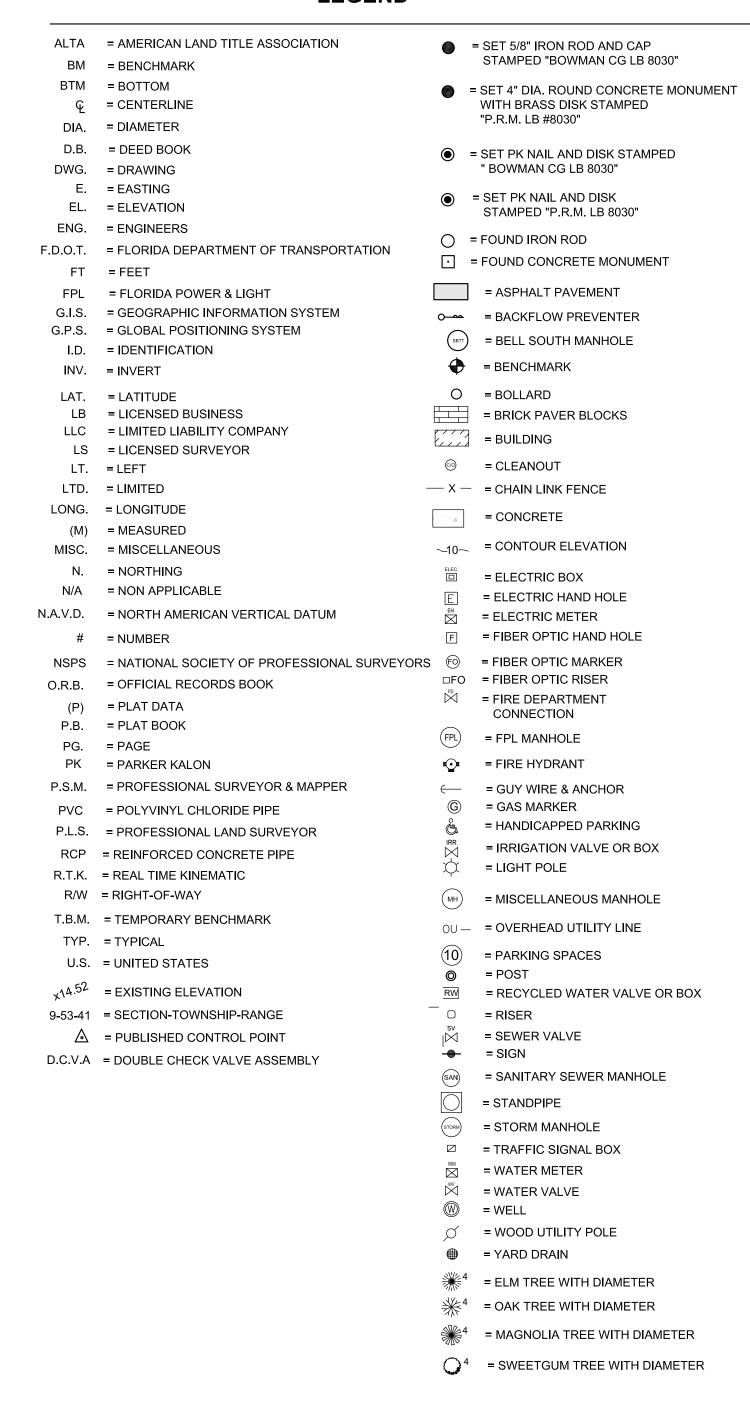
I FURTHER CERTIFY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE BOUNDARY AND TOPOGRAPHIC SURVEY SHOWN HEREON WAS PREPARED IN ACCORDANCE WITH THE "STANDARDS OF PRACTICE" FOR SURVEYING AND MAPPING IN THE STATE OF FLORIDA AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

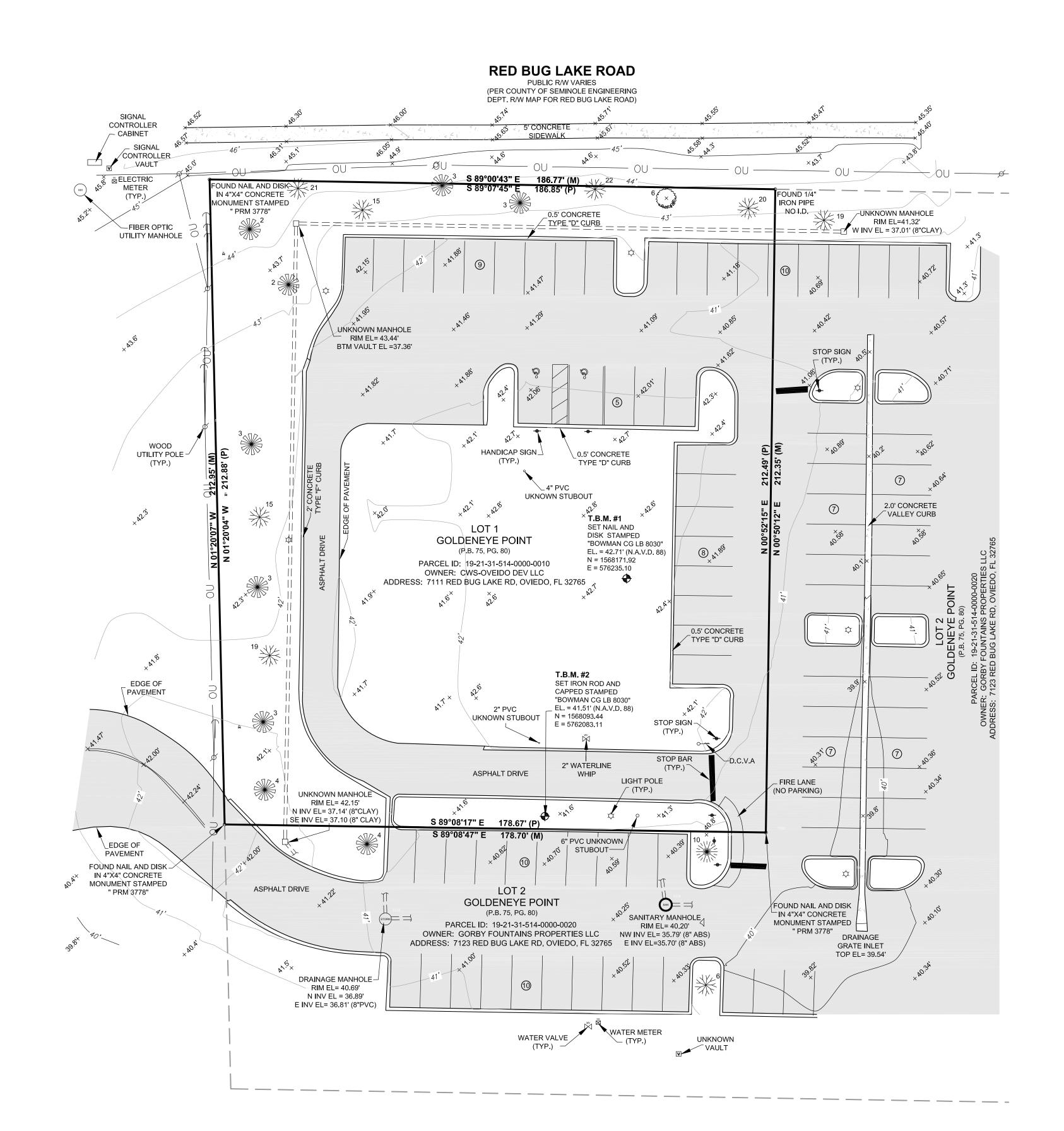
Max George, PSM, CFM DN: C=US, E=mgeorge@bowman.com, OU=Survey Director, CN="Max George, PSM, CFM" Date: 2022.07.18 13:03:43-04'00'

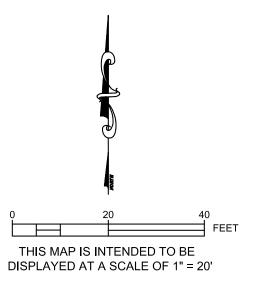
FLORIDA PROFESSIONAL SURVEYOR AND MAPPER

(LB 8030 = LICENSED BUSINESS NUMBER 8030)

#### **LEGEND**







, Inc.

The professional surveyors and Mappers Certificate NO. 18, 8030

K RIFLE COFFEE CO.

11 RED BUG LAKE ROAD

OVIEDO, FL 32765

BLACK RIFLE COF 7111 RED BUG LAKE F OVIEDO, FL 32765 BOUNDARY / TOPOGRAPHI

> PROJECT NO 011077-01-009

PLAN STATUS

DATE DESCRIPTION
22-233 9,10
21-233 11

FIELD CREW: RP, MB
P.A.C. M.R.G
DRAWN CHKD

DRAWN CHI
SCALE H: 1"=20'

JOB No.011077-01-009

FILE No. 011077-01-009

2 of 2

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 AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY BOWMAN CONSULTING GROUP, LTD., INC. SHALL BE WITHOUT LIABILITY TO BOWMAN CONSULTING GROUP, LTD.

Cad file name: V:\011077 - BRCC\011077-01-009 (SUR) - 711 red bug lake rd oviedo\Survey\Topo Boundary\011077-01-009 BRCC OVIEDO.dwg 6/13/2022