## **EXHIBIT A**

# "PCB City Main Campus Map"





**DENOTES** LANDSCAPE AREA

**DENOTES** 

POND AREA

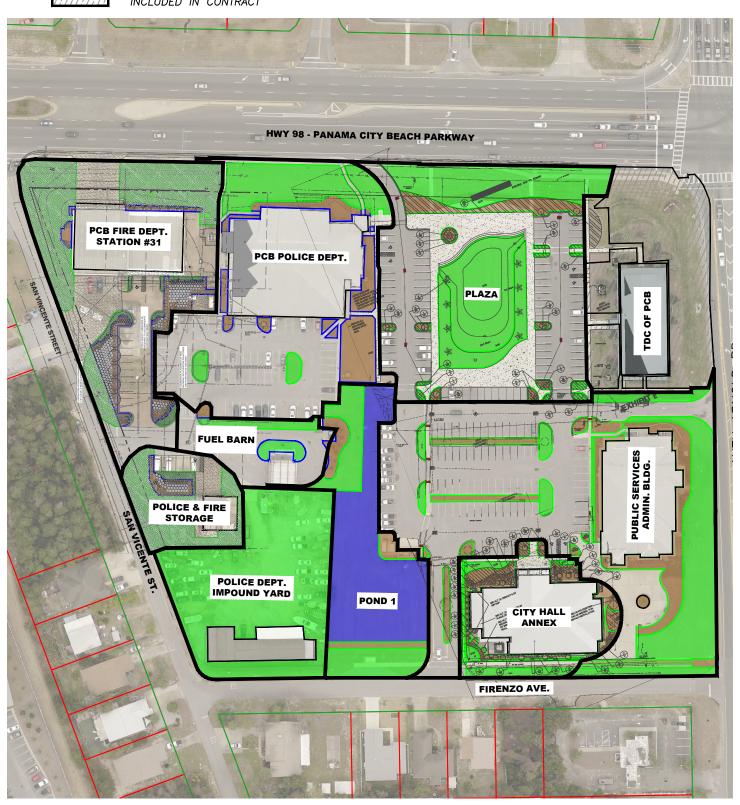
 $\pm$ 

DENOTES MORE OR LESS

DENOTES SQUARE FEET

DENOTES AREA TO BE MOWED

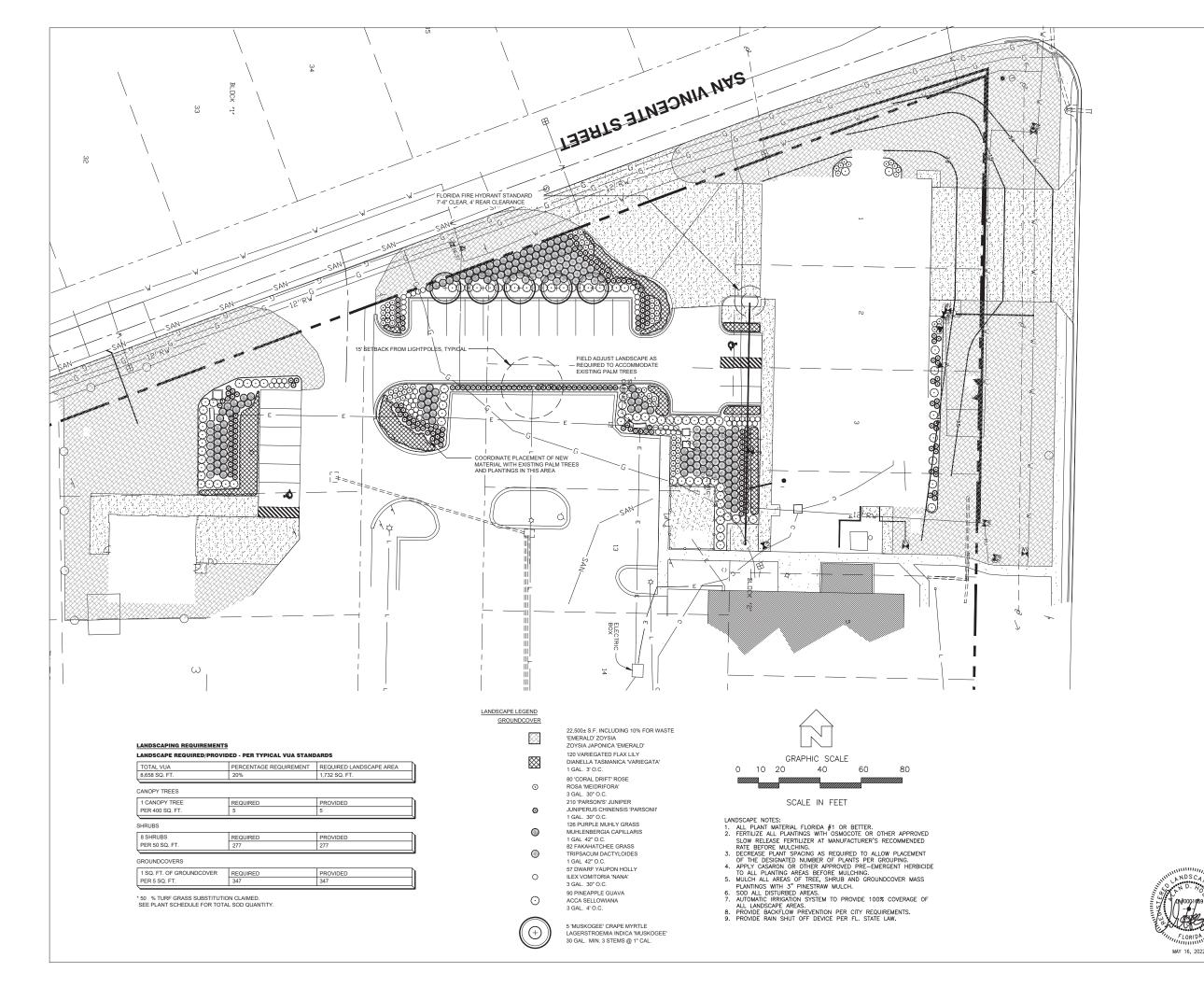
DENOTES AREA TO NOT BE INCLUDED IN CONTRACT



P.C.B. CITY MAIN CAMPUS LANDSCAPING AREAS ± 165,093 S.F. (3.8 ACRES) NOT TO SCALE

## **EXHIBIT B**

# "Landscape Plan for Fire Station #31 and Police / Fire Storage"



Alan D. Holt, A.S.L.A.

### LANDSCAPE ARCHITECT, PA

FL LC#26000193 P.O. BOX 2549

PANAMA CITY, FL 32402 TELEPHONE: (850)914-9006

Job Number: 22026

KF,	VISIONS			
NO.	DESCRIPTION	DRAWN	CHECKED	DATE
PH.	ASE	DRAWN	CHECKED	DATE
SCH	HEMATIC DESIGN			11/05/2
DES	IGN DEVELOPMENT			12/17/2
60%	DOCUMENTS			02/11/2
90%	CONSTRUCTION DOCUMENTS			03/31/2
				05/16/2



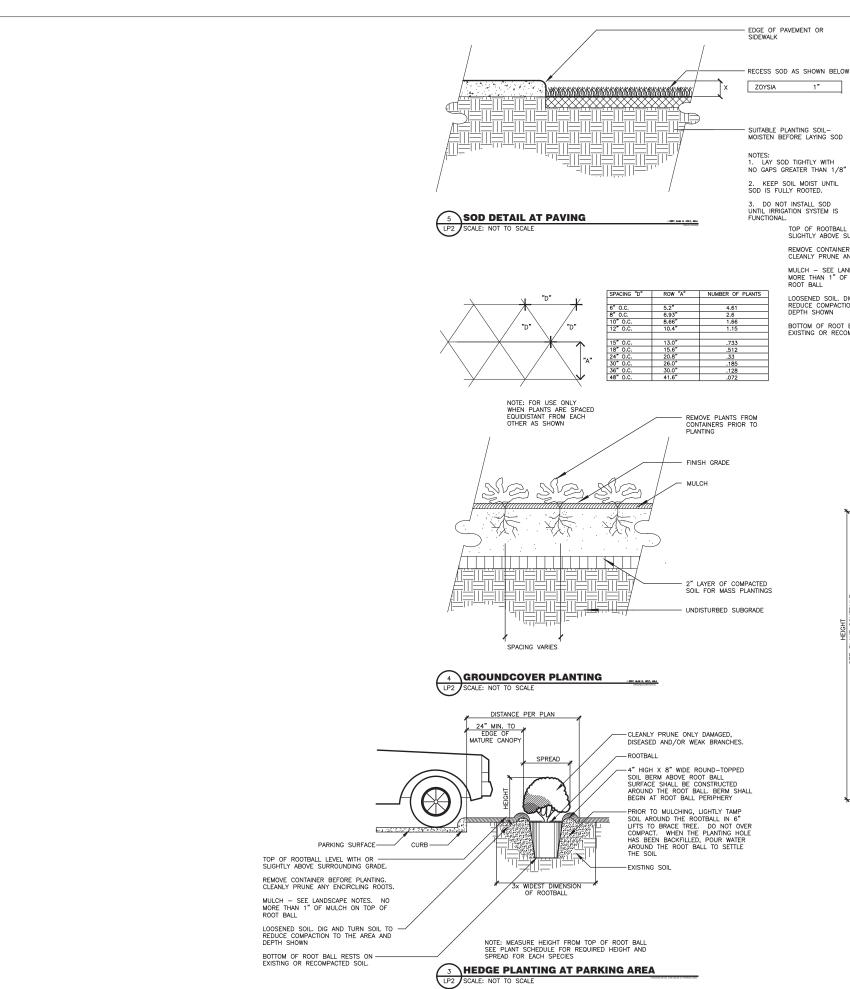
2211 THOMAS DR., SIE I PANAMA CITY BEACH, FL PHONE: (850) 236-9832 2211 THOMAS DR. , STE 100

PANAMA CITY BEACH FIRE STATION # 31 REPLACEMENT

BAY COUNTY, FLORIDA

## LANDSCAPE PLAN

LP1

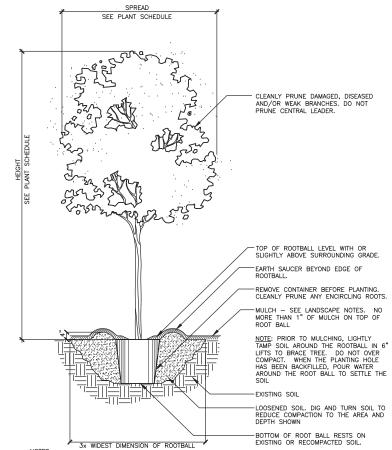


TOP OF ROOTBALL LEVEL WITH OR SLIGHTLY ABOVE SURROUNDING GRADE. -CLEANLY PRUNE ONLY DAMAGED. REMOVE CONTAINER BEFORE PLANTING. CLEANLY PRUNE ANY ENCIRCLING ROOTS. SPREAD — 4" HIGH X 8" WIDE ROUND—TOPPED SOIL BERM ABOVE ROOT BALL SURFACE SHALL BE CONSTRUCTED AROUND THE ROOT BALL BERM SHALL BEGIN AT ROOT BALL PERIPHERY MULCH - SEE LANDSCAPE NOTES. NO-MORE THAN 1" OF MULCH ON TOP OF ROOT BALL LOOSENED SOIL. DIG AND TURN SOIL TO-REDUCE COMPACTION TO THE AREA AND DEPTH SHOWN PRIOR TO MULCHING, LIGHTLY TAME -PRIOR TO MULCHING, LIGHTLY TAMP SOIL AROUND THE RODTBALL IN 6" LIFTS TO BRACE SHRUB. DO NOT OVER COMPACT. WHEN THE PLANTING HOLE HAS BEEN BACKFILLED, POUR WATER AROUND THE ROOT BALL TO SETILE THE SOIL BOTTOM OF ROOT BALL RESTS ON -EXISTING OR RECOMPACTED SOIL. -EXISTING SOIL

NOTE: MEASURE HEIGHT FROM TOP OF ROOT BALL SEE PLANT SCHEDULE FOR REQUIRED HEIGHT AND SPREAD FOR EACH SPECIES

#### PLANTING DETAIL FOR SHRUBS LP2 SCALE: NOT TO SCALE

3x WIDEST DIMENSION OF ROOTBALL



IOTES:

REMOVE ALL STRING &/OR WIRE WRAPPED AROUND TRUNK.

REMOVE ALL STRIAPS ROPES, WIRE &/OR STRINGS USED TO LIFT THE ROOTBALL.

REMOVE ALL BURLAP &/OR WIRE FROM THE TOP OF THE ROOT BALL.

TOP OF FIRST FEEDER ROOT TO BE SET SLIGHTLY ABOVE SURROUNDING FINISH GRADE.

1 TREE PLANTING
LP2 SCALE: NOT TO SCALE



### Alan D. Holt, A.S.L.A.

### LANDSCAPE ARCHITECT, PA

FL LC#26000193 P.O. BOX 2549 PANAMA CITY, FL 32402

TELEPHONE: (850)914-9006

Job Number: 22026

REVISIONS DRAWN CHECKED PHASE SCHEMATIC DESIGN 11/05/21 DESIGN DEVELOPMENT 12/17/21 02/11/22 60% DOCUMENTS



90% CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS

PANAMA CITY BEACH, FL PHONE: (850) 236-9832 2211 THOMAS DR. , STE 100 ARCHITECTS Commission Number: 21804

03/31/22

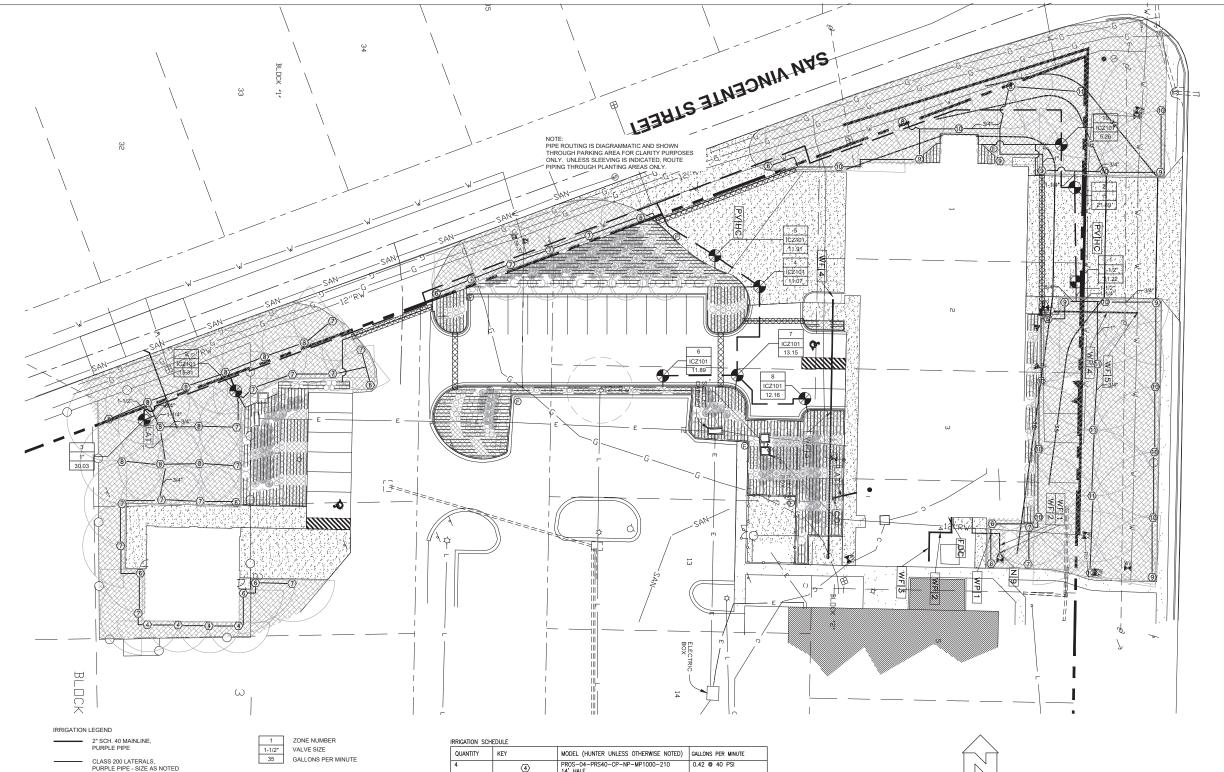
05/16/22

PANAMA CITY BEACH FIRE STATION # 31 REPLACEMENT

BAY COUNTY, FLORIDA

### LANDSCAPE **DETAILS**

LP2



SCH. 40 SLEEVE, SIZE AS NOTED

IRRIGATION NOTES:

1. LOCATE ALL UTILITIES BEFORE DIGGING. PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.

2. IRRIGATION SYSTEM WILL USE RECLAIMED WATER. PROVIDE IRRIGATION COMPONENTS WITH NON-POTABLE MARRINGS, AND SIGNS, FOR RECLAIMED WATER, DO NOT DRINK, NOTE: ALL PIPING MUST BE PURPLE INDIGATION REUSE WATER.

3. PIPE ROUTING IS DIAGRAMMATIC. PLACE IRRIGATION LINES WITHIN PLANTING AND TURF AREAS UNLESS SLEEVING IS INDIGATED. ROUTE PIPING TO AVOID TREE LOCATIONS. LOCATE MAINLINE AND VALVE BOXES WITHIN PROPERTY LINES.

4. SYSTEM IS DESIGNED TO OPERATE AT 35 GPM AT 70 PSI.

5. PROCURE ALL NECESSARY PERMITS TO COMPLETE INSTALLATION OF IRRIGATION SYSTEM PER STATE AND LOCAL CODES.

1. STS IEM IS DESIGNED I OF PERALE AL 3 SPIMAL I UPS.

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STATE AND LOCAL CODES.

6. PROVIDE SLEEVING AS INDICATED ON PLAN TO ACCOMMODATE LATERAL LINES, MAIN LINES, OR CONTROL WIRE.

7. PROVIDE A MINIMUM 12" COVER OVER LATERAL LINES AND A MINIMUM OF 18" COVER OVER MANILINES.

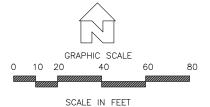
8. INDICATE SELECTRICAL SERVICE TO MEET LOCAL CODES.

1. PROVIDE POP-UP SPRINKLERS ONLY. MOUNT SPRINKLERS ON POLY PIPE WITH BARBED FASTENERS.

10. MOUNT HEADS PLUSH WITH FINISHED GRADE. INSTALL HEADS 6" OFF ALL SIDEWALKS AND 1" FROM BUILDING WALL WISE IN 15" BOXES WITH TAMPER RESISTANT LIDS.

11. INDICATE OF THE STATE OF TH

QUANTITY	KEY	MODEL (HUNTER UNLESS OTHERWISE NOTED)	GALLONS PER MINUTE
4	4	PROS-04-PRS40-CP-NP-MP1000-210 14' HALF	0.42 @ 40 PSI
10	6	PROS-04-PRS40-CP-NP-MP2000-90 20' QUARTER	0.43 @ 40 PSI
19	7	PROS-04-PRS40-CP-NP-MP2000-210 19' HALF	0.77 @ 40 PSI
13	8	PROS-04-PRS40-CP-NP-MP2000-360 19' FULL	1.48 @ 40 PSI
8	9	PROS-04-PRS40-CP-NP-MP3000-90 30' QUARTER	0.86 @ 40 PSI
12	10	PROS-04-PRS40-CP-NP-MP3000-210 30' HALF	1.82 @ 40 PSI
4	10	PROS-04-PRS40-CP-NP-MP3000-360 30' FULL	3.64 @ 40 PSI
2	1"	1" ELECTRIC REMOTE CONTROL VALVE PGV-NP-100G-S	
1	1-1/2"	1-1/2" ELECTRIC REMOTE CONTROL VALVE PGV-NP-150G-S	
7	<b>₩</b> ICZ101	1" DRIP VALVE KIT ICZ-NP-101	
1	A	HUNTER PRO C	
1	<b>A</b>	WEATHER SENSOR	
6	(F)	FLUSH VALVE	
		RAINBIRD XFD-06-12 INLINE DRIP SPACE LINE 4" OFF CURB. 12" OFF BUILDING	18" O.C.





#### LANDSCAPE ARCHITECT, PA FL LC#26000193

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TELEPHONE: (850)914-9006

Job Number: 22026

			T	
NO.	DESCRIPTION	DRAWN	CHECKED	DATE
PH	ASE	DRAWN	CHECKED	DATE
SCH	HEMATIC DESIGN			11/05/2
DES	IGN DEVELOPMENT			12/17/2
60%	DOCUMENTS			02/11/2
90%	CONSTRUCTION DOCUMENTS			03/31/2
CON	ISTRUCTION DOCUMENTS			05/16/2



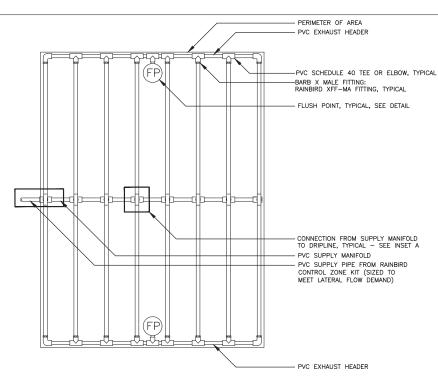
2211 THOMAS DR., STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-9832 ARCHITECTS Commission Number: 21804

PANAMA CITY BEACH FIRE STATION # 31 REPLACEMENT

BAY COUNTY, FLORIDA

IRRIGATION PLAN





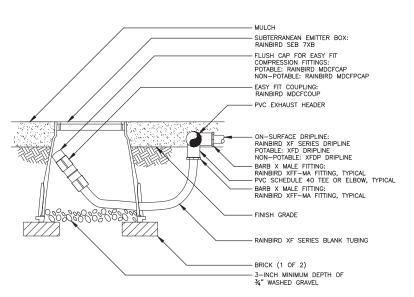
- NOTES:

  1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS ON RAIN BIRD WEB SITE (WWW.RAINBIRD.COM) FOR SUGGESTED SPACING.

  2. LENGTH OF LONGEST DRIFLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.

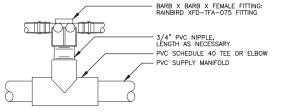
  3. WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON EACH FITTING.

## 7 XFD ON-SURFACE DRIPLINE CENTER FEED LAYOUT 1P2 SCALE: N.T.S.



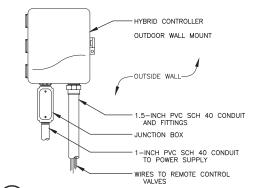
## 6 FLUSH POINT DETAIL P2 SCALE: N.T.S.

1. ALLOW A MINIMUM OF 6-INCHES OF DRIPLINE TUBING IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX.

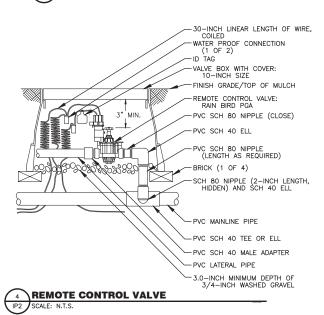


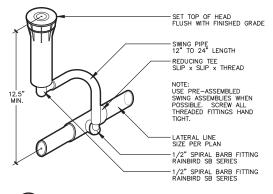
#### INSET A

XFD Dripline Maximum Lateral Lengths (Feet)						
	12" Sp	pacing	18" Sp	pacing	24" S	pacing
Inlet Pressure psi	Nominal F	low (gph)	Nominal F	low (gph)	Nominal F	low (gph)
	0.6	0.9	0.6	0.9	0.6	0.9
15	273	155	314	250	424	322
20	318	169	353	294	508	368
30	360	230	413	350	586	414
40	395	255	465	402	652	474
50	417	285	528	420	720	488
60	460	290	596	455	780	514









3 SPRAYHEAD DETAIL

SECTION VIEW

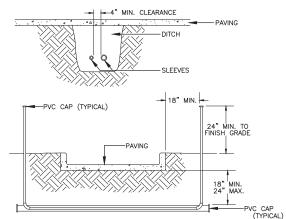
MAINLINE, LATERAL, AND WIRING IN THE SAME TRENCH WIRING IN CONDUIT .0 0 PLAN VIEW

ALL SOLVENT WELD-PLASTIC PIPING TO BE SNAKED IN TRENCH AS SHOWN.

TIE A 24-INCH LOOP IN-ALL WIRING AT CHANGES OF DIRECTION OF 30° OR GREATER. UNTIE AFTER ALL CONNECTIONS HAVE BEEN MADE.

PIPE & WIRE TRENCHING

IP2 SCALE: N.T.S.



- NOTES:

  1. ALL PVC IRRIGATION SLEEVES TO BE SCHEDULE 40 PIPE.

  2. ALL JOINTS TO BE SOLVENT WELDED AND WATERTIGHT.

  3. WHERE THERE IS MORE THAN ONE SLEEVE, EXTEND THE SMALLER SLEEVE TO 24—INCHES MINIMUM ABOVE FINISH GRADE.

  4. MECHANICALLY TAMP TO 95% PROCTOR.

1 SLEEVING DETAIL IP2 SCALE: N.T.S.



#### LANDSCAPE ARCHITECT, PA FL LC#26000193

P.O. BOX 2549

PANAMA CITY, FL 32402 TELEPHONE: (850)914-9006

Job Number: 22026

REVISIONS DRAWN CHECKED PHASE SCHEMATIC DESIGN 11/05/21 DESIGN DEVELOPMENT 12/17/21 02/11/22 60% DOCUMENTS 03/31/22 90% CONSTRUCTION DOCUMENTS



CONSTRUCTION DOCUMENTS

2211 THOMAS DR. , STE 100 2211 HUMAS UR., SIE PANAMA CITY BEACH, FL PHONE: (850) 236-9832

05/16/22

PANAMA CITY BEACH FIRE STATION # 31 REPLACEMENT

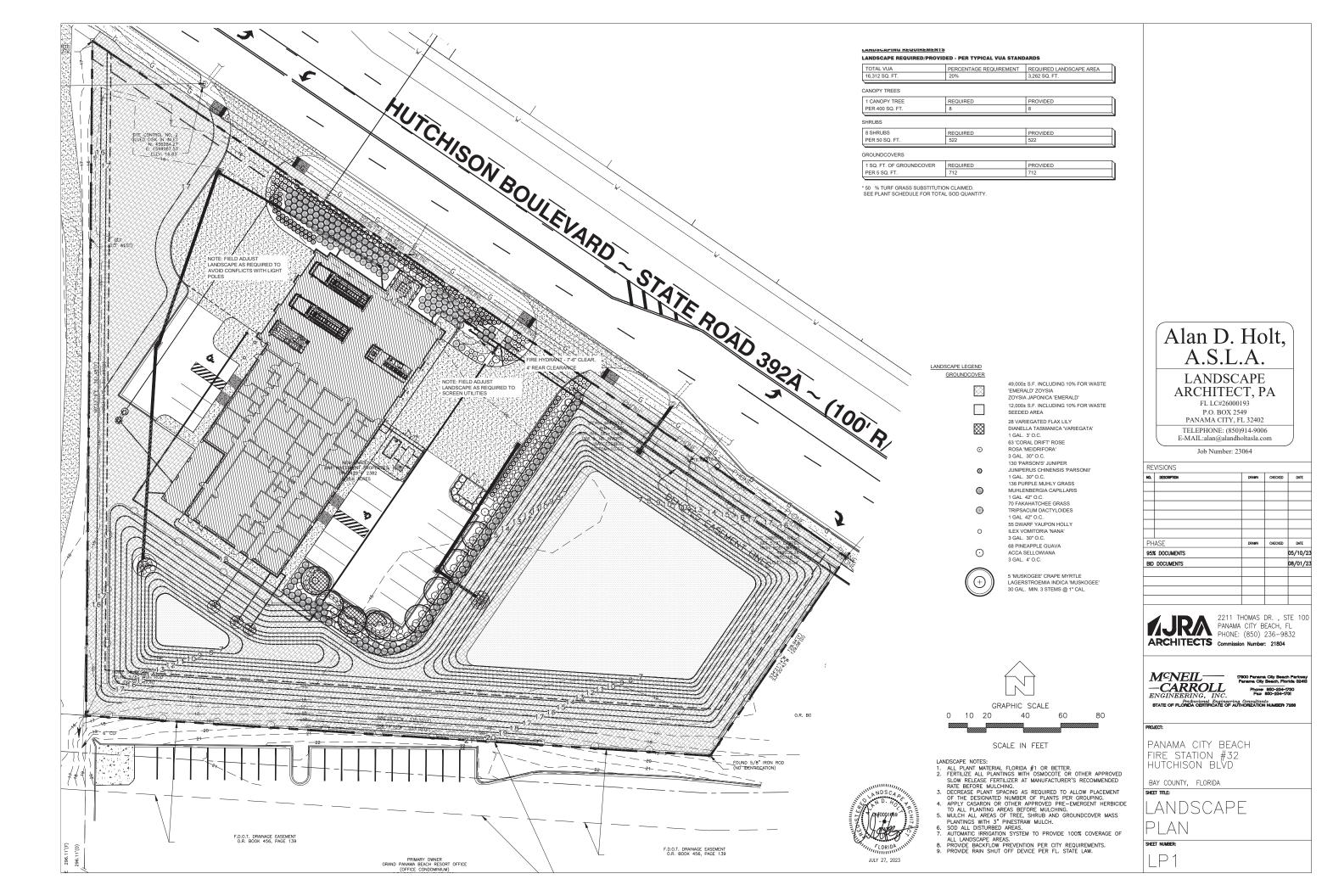
BAY COUNTY, FLORIDA

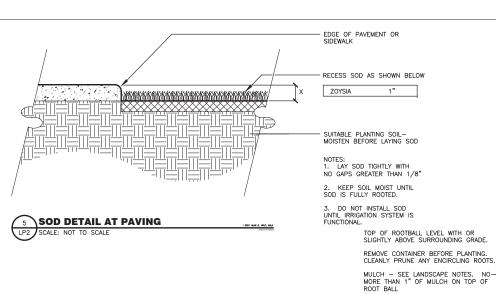
IRRIGATION **DETAILS** 

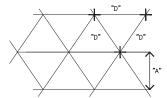


# **EXHIBIT C**

# "Landscape Plan for Fire Station #32"

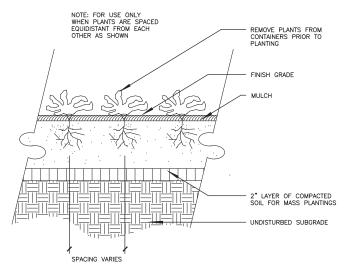




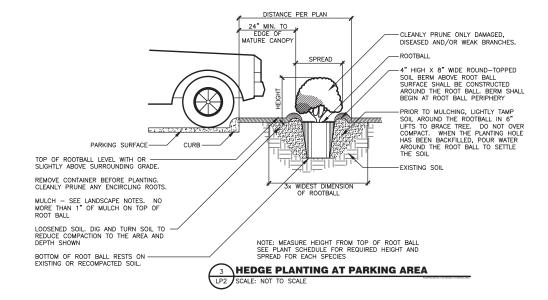


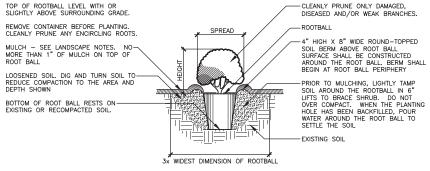
SPACING "D"	ROW "A"	NUMBER OF PLANTS
6" O.C.	5.2"	4.61
8" 0.C.	6.93"	2.6
10" O.C.	8.66"	1.66
12" O.C.	10.4"	1.15
15" O.C.	13.0"	.733
18" O.C.	15.6"	.512
24" O.C.	20.8"	.33
30" O.C.	26.0"	.185
36" O.C.	30.0"	.128
48" O.C.	41.6"	.072

BOTTOM OF ROOT BALL RESTS ON EXISTING OR RECOMPACTED SOIL.



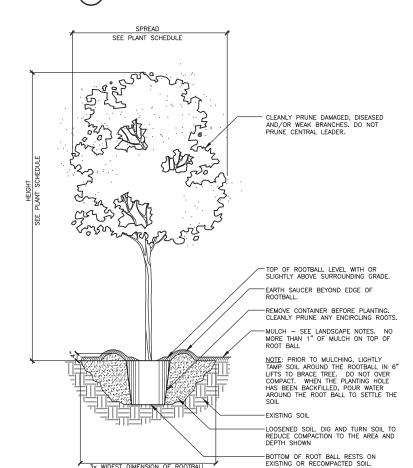
## GROUNDCOVER PLANTING





NOTE: MEASURE HEIGHT FROM TOP OF ROOT BALL SEE PLANT SCHEDULE FOR REQUIRED HEIGHT AND SPREAD FOR EACH SPECIES

## PLANTING DETAIL FOR SHRUBS LP2 SCALE: NOT TO SCALE



REMOVE ALL STRING &/OR WIRE WRAPPED AROUND TRUNK.

- REMOVE ALL STRAPS, ROPES, WIRE & A/OR STRINGS USED TO LIFT THE ROOTBALL.
  REMOVE ALL BURLAP &/OR WIRE FROM THE TOP OF THE ROOT BALL.
  TOP OF FIRST FEEDER ROOT TO BE SET SLIGHTLY ABOVE SURROUNDING FINISH
  GRADE.

TREE PLANTING
LP2 SCALE: NOT TO SCALE



## Alan D. Holt, A.S.L.A.

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P.O. BOX 2549 PANAMA CITY, FL 32402 TELEPHONE: (850)914-9006

E-MAIL:alan@alandholtasla.com

RE'	VISIONS			
NO.	DESCRIPTION	DRAWN	CHECKED	DATE
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PH	ASE	DRAWN	CHECKED	DATE
	DOCUMENTS			05/10/2
BID	DOCUMENTS			05/10/2



2211 THOMAS DR., SIE I PANAMA CITY BEACH, FL PHONE: (850) 236-9832 2211 THOMAS DR. , STE 100

M<sup>C</sup>NEIL---CARROLL ENGINEERING INC EINGINEEKING, INC.

8TATE OF FLORIDA CENTIFICATE OF AUTHORIZATION NUMBER 7288

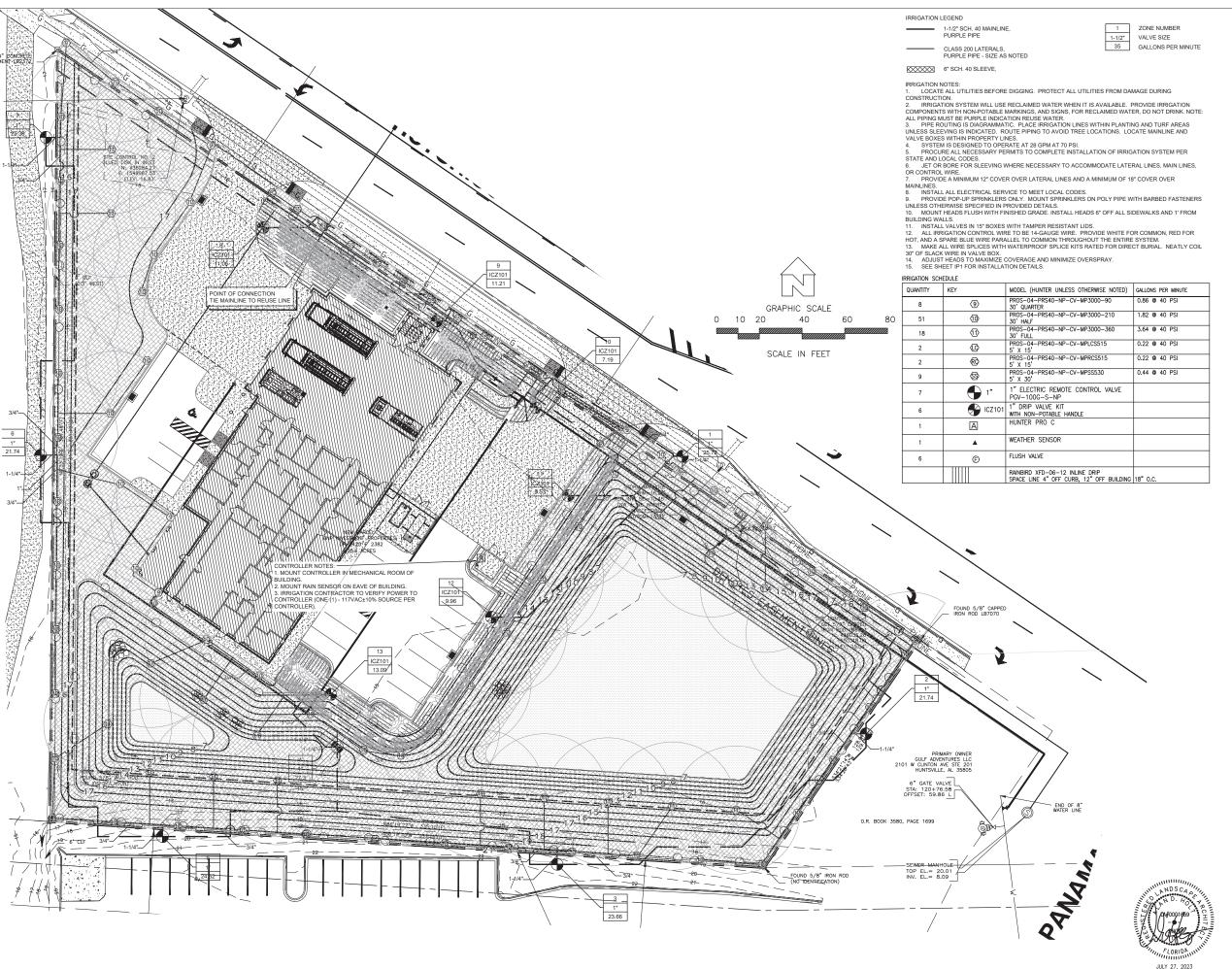
17800 Panama City Beach Parkway Panama City Beach, Florida 32413 Phone: 850-234-1730 Fax: 850-234-1731

PANAMA CITY BEACH FIRE STATION #32 HUTCHISON BLVD

BAY COUNTY, FLORIDA

ANDSCAPE DETAILS

SHEET NUMBER:



Alan D. Holt, A.S.L.A. LANDSCAPE ARCHITECT, PA

FL LC#26000193 P.O. BOX 2549

PANAMA CITY, FL 32402 TELEPHONE: (850)914-9006 E-MAIL:alan@alandholtasla.com

NO.	DESCRIPTION	DRAWN	CHECKED	DATE
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РΗ	ASE	DRAWN	CHECKED	DATE
95%	DOCUMENTS			05/10/23 08/01/23
BID	DOCUMENTS			08/01/2
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2211 THOMAS DR., STE 100 PANAMA CITY BEACH, FL PHONE: (850) 236-9832

M<sup>C</sup>NEIL— -CARROLL ENGINEERING, INC. ENGINEERING, INC.

Professional Engineering Consultants

STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER: 7288

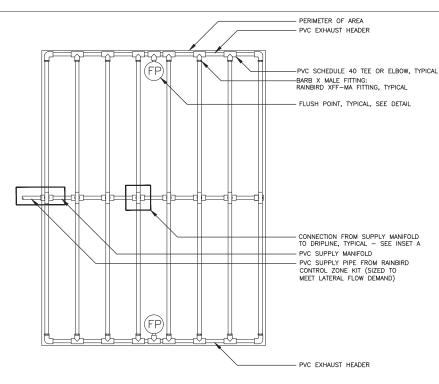
Phone: 850-234-1730 Fex: 850-234-1731

PANAMA CITY BEACH FIRE STATION #32 HUTCHISON BLVD

BAY COUNTY, FLORIDA

IRRIGATION PLAN

SHEET NUMBER:



- NOTES:

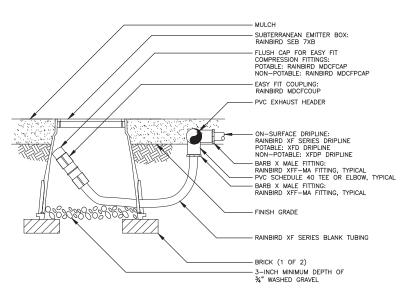
  1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS ON RAIN BIRD WEB SITE (WWW.RAINBIRD.COM) FOR SUGGESTED SPACING.

  2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.

  3. WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON EACH FITTING.

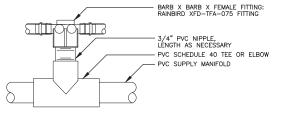
7 XFD ON-SURFACE DRIPLINE CENTER FEED LAYOUT

[P2] SCALE: N.T.S.



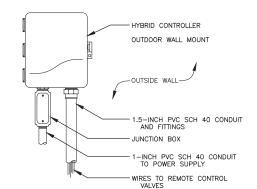
6 FLUSH POINT DETAIL
P2 SCALE: N.T.S.

1. ALLOW A MINIMUM OF 6-INCHES OF DRIPLINE TUBING IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX.

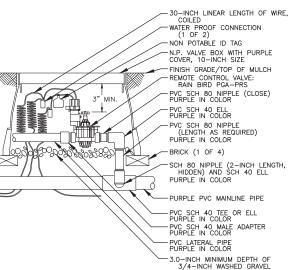


#### INSET A

XFD Dripline Maximum Lateral Lengths (Feet)						
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Inlet Pressure psi	Nominal F	low (gph)	Nominal F	low (gph)	Nominal F	low (gph)
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40	395	255	465	402	652	474
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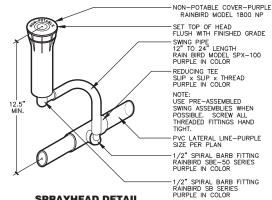




REMOTE CONTROL VALVE -NON POTABLE

192 SCALE: N.T.S.



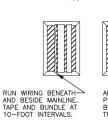


**SPRAYHEAD DETAIL** 

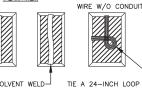
3 W/ NON-POTABLE COVER-PURPLE

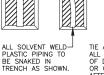
SECTION VIEW MAINLINE, LATERAL MAINLINE PIPE LATERAL PIPE WIRING IN CONDUIT AND WIRING IN THE SAME TRENCH 0 .0 0

PLAN VIEW



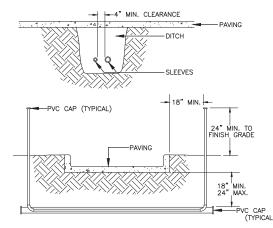






TIE A 24-INCH LOOP IN-ALL WIRING AT CHANGES OF DIRECTION OF 30' OR GREATER. UNTIE AFTER ALL CONNECTIONS HAVE BEEN MADE.

PIPE & WIRE TRENCHING



- NOTES:

  1. ALL PVC IRRIGATION SLEEVES TO BE SCHEDULE 40 PURPLE PIPE.

  2. ALL JOINTS TO BE SOLVENT WELDED AND WATERTIGHT.

  3. WHERE THERE IS MORE THAN ONE SLEEVE, EXTEND THE SMALLER SLEEVE TO 24-INICHES MINIMUM ABOVE FINISH GRADE.

  4. MECHANICALLY TAMP TO 95% PROCTOR.



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95%	DOCUMENTS			05/1
BID	DOCUMENTS			05/1 08/0
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			+	+



2211 THOMAS DR. , SIE I PANAMA CITY BEACH, FL PHONE: (850) 236-9832 2211 THOMAS DR. , STE 100 ARCHITECTS Commission Number: 21804

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BAY COUNTY, FLORIDA

IRRIGATION DETAILS

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