Southern Grove - Fire Station #20 Major Site Plan (P23-117)

City Council

November 13, 2023

Francis Forman, Planner II



Proposed Project

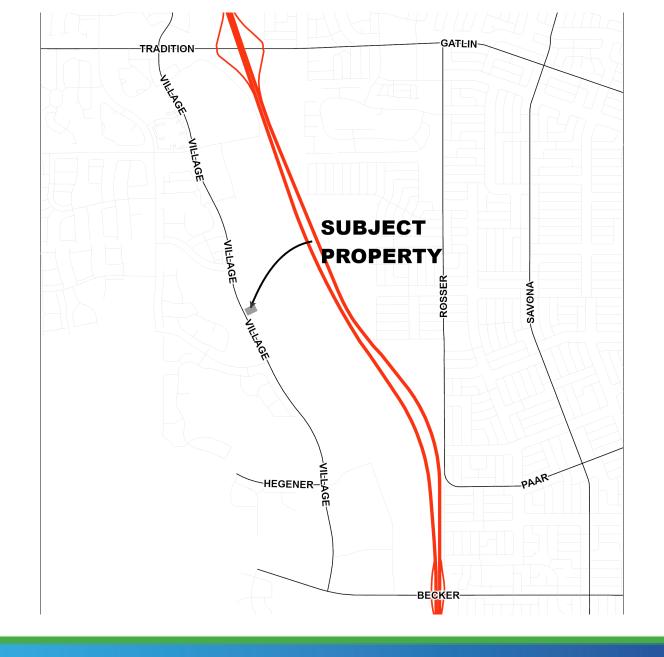
- A requested major site plan approval for a fire station located within the Tradition Commerce Park North MPUD in Southern Grove, along the eastern side of SW Village Parkway (2.5 acres).
- The proposed project will include an 11,813 square feet fire station that will service the western portion of the city.

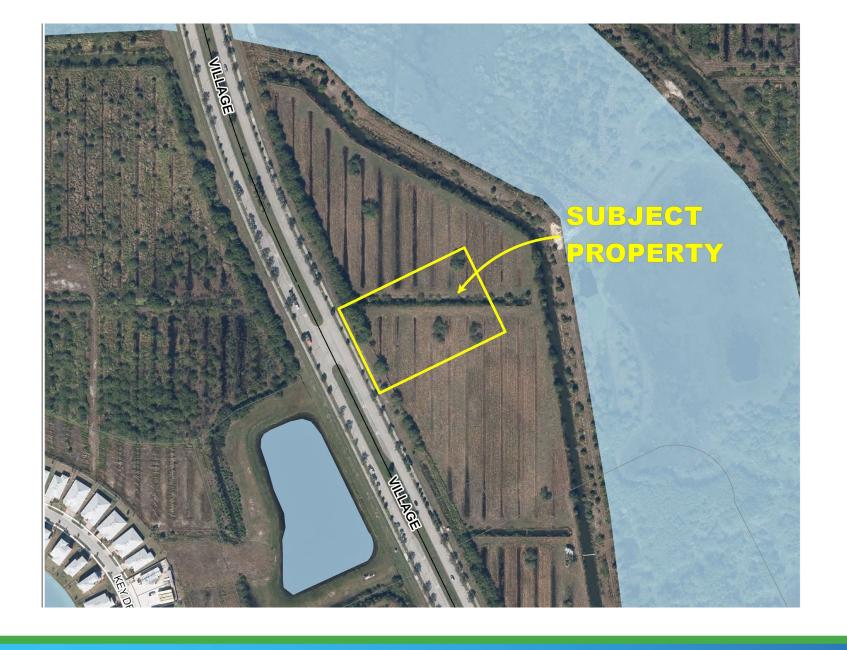
Applicant and Owner

- Owners St. Lucie County Fire District
- Applicant Brad Currie, Engineering Design & Construction
- Location East side of SW Village Parkway, north of Open View Road.
- Existing Use –Vacant

Subject Property



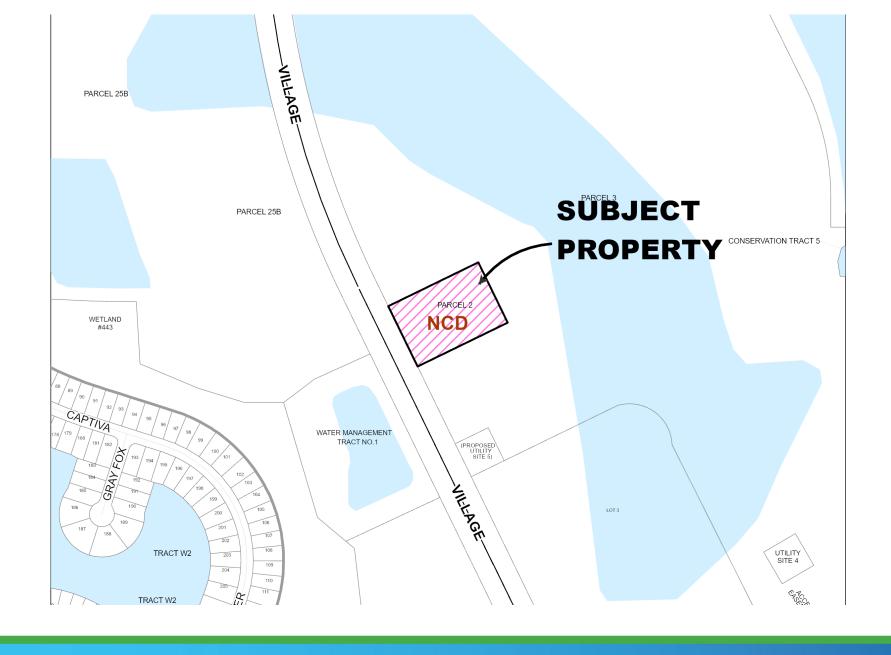




AERIAL

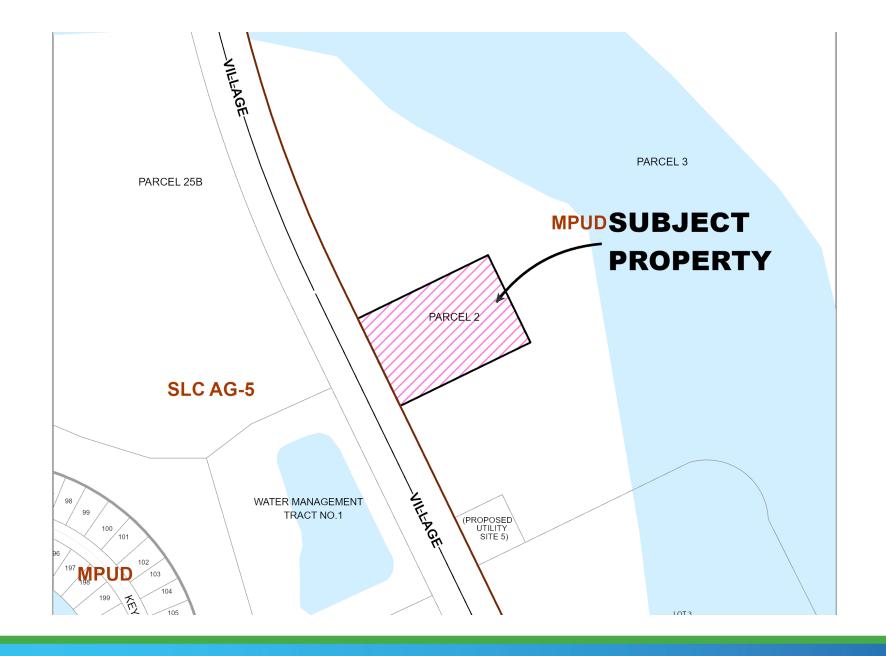






FUTURE LAND USE





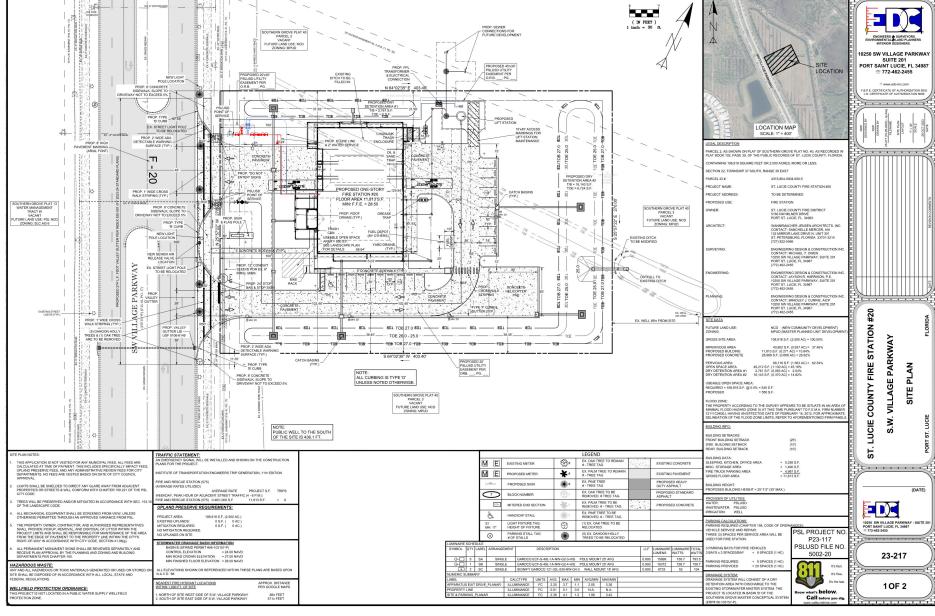
ZONING





SURROUNDING USES

Direction	Future Land Use	Zoning	Existing Use
North	New Community Development (NCD)	Master Planned Unit Development (MPUD)	Vacant
South	New Community Development (NCD)	Master Planned Unit Development (MPUD)	Vacant
East	New Community Development (NCD)	Master Planned Unit Development (MPUD)	Vacant
West	New Community Development (NCD)	General Use (GU)	Proposed Stars and Stripes Park



Site Plan





General Landscape Notes

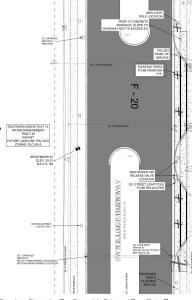
- 1. At least 50% of all required trees shall be of a native species
- 2. All plant material to be Florida No. 1 or better.
- 3. All landscape & sod areas to be irrigated by an automated system that provides 100% coverage with 100% overlap with a minimum d.u. of .70.
- 4. All landscaping at intersection and corners complies with Section 158.204 of the Port St Lucie Code of Ordinances to provide a clear sight zone between 2" - 6" above the final road crown elevation. All hedges and shrubs with in the 25' sight triangle will be maintained at a height no higher than 2' above the crown elevation of the road. In addition, the foliage line any tree within the 25' sight triangle will maintained at a height of no less than 6' above the road crown.

PSLUSD Notes for Landscape Plans

- 1. All new landscaping within utility easements and within ten (10) feet of underground utility infrastructure shall compty with PSLUSD technical specifications, policies, and codes.
- No landscaping other than sod grasses may be planted within a 5' radius maintenance area of any utility appurtenances such as water meters, backflow devices, fire hydrants, sanitary sewer cleanouts, and manholes, air release valves, etc. Trees shall not be planted within ten (10) feet of any underground infrastructure.

 3. No landscaping shall be planted in such a manner as to adversely affect
- utility installation, operation and maintenance.

 4. No landscaping shall be planted in a manner that would adversely affect
- utility easements. Landscaping shall be in compliance with Chapter 154 of the City of Port St. Lucie Code of Ordinances, PSLUSD technical specifications and policies.
 5. All landscaping within City utility easements shall comply with PSLUSD
- technical specifications, policies, and codes.
 6. All landscaping shall mee the latest PSLUSD Landscape Policy and shall not be placed in a manner that would create conflicts with the intended operation and maintenance of any existing utility.
- 7. Trees shall not be planted within ten (10) feet of any PSLUSD underground infrastructure.
- No landscaping other than sod grasses shall be located within 5' of a PSLUSD appurtenance such as water meter assembly, backflow device, fire hydrant or sewer cleanout, etc.



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	500 FIRE LINE 1 You're strong	PROCOGNED	
	PROPOSED INE STORY FLOOR AREA 11.513 S.F. MIN. F.F.E 28.50 F.	10x45 ACCES MARKINGS FOR IN MARKETER DAYS MA	17 IANOSCAPE
	FIGURE 1 CONTROL TO THE STATE OF THE STATE O	TERMINAL IS AND TIRES TO BE COUNTD ANOW THOM THE COUNTRY AND	SUPPRINCE OF THE PROPERTY OF T
	NOW TO COLORY OF THE PROPERTY		PROPOSED DRY DETERMINA MEA
	SIGNIT TRANSACT CONCRETE SALES OF THE SALES	Coloreste Goodeste Helicoptes January Salary	
or pursuants	PHAGOLE	PARCEL 3	MOOGED 27
	Plant Schedule:	VICTURE LAW USE NCD	Sistement Per



Landscape



				1 1:	181	11.17.17
Required Tree Credits:		Native%	# of Species	Flowering%	Drought Tolerant	% Palm%
Site Perimeter: (1285'/25)	52					
Building Foundation Perimeter: (320'/25)	13					
Parking Lot Terminal Islands:	4					
Total:	69	35	5	25%=17	50%=35	50%=30 (Max)

Provided Tree Credits:		Native	# of Species	Flowering	Drought Toleran	t Palm
Total:	60	45	7	10	45	2.3

Required Shrub Credits	s:	Native%	Drought Tolera	nt%
Site Perimeter: (1285'/2)	643	25%=161	50%=322	
Building(s) Foundation Perimeter: (320'/2)	160	25%=40	50%=80]
Total:	80.3	201	402	1

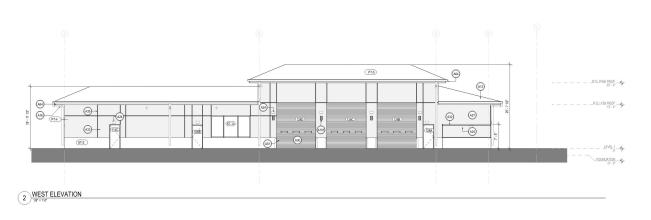
Provided Shrub Credits:		Native%	Drought To	olerant?
Total:	880	679	679	

Required Groundcover	Credits:	Native%	Flower%	Drought Tolerant?
Building Foundation & Perimeters: (320'x5'x.25)	400 SF	25%=100 SF	10%=40 SF	50%=200 SF

Provided Groundcov	ver Credits:	Native	Flowering	Drought Toleran
Total:	1700 SF	1500 SF	1500 SF	1500 SF

Plant S	che	dul	e:												Port
TREES		QTY	BOTANICAL NAME	COMMON NAME	CONTAINER	HEIGHT	WIDTH	NOTES	NATIVE	CALIPER		-		Revisions	$\overline{}$
0		2	Elaeocarpus decipiens	Japanese Blueberry Tree	65G	14"HT	6" W	3° CT, STD, SP	Non-native	2.5" Caliper			Date	Init.	Description
Ø		10	Lagerstroemia indica "Muskogee"	Muskogee Crape Myrtle	65G	14" HT	6" SPR	ML, SP	Non-native	2.5" Caliper			7.12.23	PG	Concept Landscape Plan
(8)		8	Lagerstroemia speciosa	Queen's Crape Myrtle	100G	14" HT	8" SPR	SP, 5' CT	Non-native	4° Caliper			9.12.23	PG	Revised per
		28	Quercus virginiana	Southern Live Oak	100G	16" HT	10°W	F, SP, 6° CT	Native	4° Caliper			9.12.23		Comments
0		10	Taxodium distichum	Bald Cypress	B&B	16" HT	10°W	SP	Native	4" Caliper				Н	
PALM TRE	EES	QTY	BOTANICAL NAME	COMMON NAME	CONTAINER	HEIGHT	WIDTH	NOTES	NATIVE	CALIPER					
\odot		14	Sabal palmetto	Sabal Palm	FG	16"-24" CT		SLK, CU, SP	Native						
\odot		9	Wodyelia bifurcata	Single Foxtail Palm	FG	8' GW, 12' CT		SGL, FH, SP	Non-native				$ \bigcirc $		
SHRUBS		QTY	BOTANICAL NAME	COMMON NAME	CONTAINER	HEIGHT	WIDTH	NOTES	NATIVE				=		\equiv
*		11	Alcantarea imperialis	Imperial Bromeliad	7G	24" OA	18"W	F	Non-native				11 20	ANDSC.	30a
0		452	Chrysobalanus icaco 'Red Tip'	Red Tip Cocoplum	7G	24" HT	24°W	F, SP	Native			C Digitally signed		LA 666680	A15B
0		129	Conocarpus erectus sericeus	Silver Buttonwood	7G	24" HT	18"W	F	Native		7	Digitally signed by Paul A. Goulas Date: 2023.09.13 09:12:47-04'00'	1 200	STATE OF	
⊙		104	Hamelia patens 'Compacta'	Dwarf Firebush	3G	24" HT	18"W	F	Non-native		/-	Adote Acrobat version: 2023.003.20284	A.	FLORID	70000
\oplus		98	Myrcianthes fragrans	Simpson's Stopper	3G	24" HT	24°W	F	Native				PAUL GC	ULAS, R	
·		97	Rhaphiolepis indica 'Alba'	Dwarf White Indian Hawthorn	3G	24° HT	18"W	F	Non-native				\geq		\equiv
GROUND	COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONTAINER	HEIGHT	WIDTH	NOTES	NATIVE				Drawn By: Checked B		BW PG
		101	Carissa macrocarpa "Emerald Blanket"	Emerald Blanket Carissa	3G	18°HT	18° W	F	Non-native		24*	0.6.	Scale:	y	
		210	Muhlenbergia capillaris	Pink Muhly Grass	1G	18°HT	12'W	F	Native		36*	o.c.		$\overline{\wedge}$	
SOD/SEE	D	QTY	BOTANICAL NAME	COMMON NAME	CONTAINER	HEIGHT	WIDTH	NOTES	NATIVE				4	NORTH	\triangleright
		TBD	Paspalum notatum	Bahia Grass	SOD			Free of Weeds and Pests				PSL PROJECT NO.	sc	ALE: 1" =	30'
		TBD	Stenotaphrum secundatum 'Floratam'	Floratam St. Augustine Sod	SOD			Free of Weeds and Pests				P23-117 PSLUSD FILE NO.	0 15	30'	60*
EXISTING	G TREES		REMOVED QTY BOTANIC			CONTAIN	ER			TIVE CA	LIPER	5002-20			
-D			5 Elaeocarpi	us decipiens Japanese I	Blueberry Tree	Existing To	Be Remo	owed 12' HT 8	S'W No	n-native 6" I	рвн	Es fee.		S-	1
4			1 Quercus v	irginiana Live Oak		Existing To	Be Remo	oved 18'HT 1	5'W Na	tive 8"	DBH	Keese what's below. Call before you dig.	<u>_</u>	<u></u>	





SPECIFIC KEYNOTE - ELEVATIONS						
Keynote Number	Keynole Text					
AD1	6' CONCRETE FILLED STEEL PIPE BOLLARD, REFER STRUCTURAL, CIVIL, AND SPECS					
A09	CONTOURED SIGN OF FIRE STATION SEAL. ILLUMINATED FACE LIT CABINET, FACE TO BE POLYCARBONATE WITH DIGITALLY PRINTED TRANSLUCENT VINYL, GRAPHIC ONERLAY, DELEGATED DESIGN, REFER TO ELECT DWGS FOR POWER REQUIREMENTS.					
A13	STANDING SEAM METAL ROOF, COLOR TO MEET TABLE 9.2 OF CITYMIDE DESIGN STANDARDS					
A17	OVERFLOW SCUPPER					
A24	EXTERIOR LED SCONCE, REFER TO RCP FOR MOUNTING HEIGHT AND ELECTRICAL.					
A26	MECHANICAL EQUIPMENT, REFER TO MECHANICAL					
A27	PAINTED 518" STUCCO SYSTEM COLOR: TBD					
A30	HURRICANE RATED SECTIONAL DOOR, REFER TO DOOR SCHEDULE					
A32	PREFINISHED SLOPED METAL COPING WITH DRIP EDGE, TYP. COLOR: TBD					
A33	EXTERIOR ALUMINUM STOREFRONT GLAZING SYSTEM, MISSILE LEVEL E IMPACT RATED, REFER TO SPECIFICATIONS. REFER TO FPA FOR FRAMING REQUIREMENTS.					
A35	1/2" PAINTED STUCCO CONTROL SUP JOINT TO AUGN WITH WALL REVEALS, NO LOCATION TO EXCEED 10/05F OR GREATER THAN 15" APART. TYP, COLOR TBD BY OWNER.					
A38	FOAMED-IN-PLACED INSULATED CMU BLOCK. REFER TO PARTITION TYPE. REFER TO SPECIFICATIONS					
A51	PRIMARY SCUPPER AND DOWNSPOUT, COORDINATE WITH PLUMBING AND CIVIL					
A54	BACKLIT POWDER COATED ALUMINUM SIGNAGE "FIRE STATION 20", DELEGATED DESIGN, COLOR TBD					
AE4	CONTINUOUS K-STYLE 6 INCH GUTTER SYSTEM					
A76	EXTERIOR 7/6" PAINTED STUCCO SOFFIT SYSTEM					
A101	RED AND GREEN INDICATOR LIGHT. REFER TO TECH AND BLEC.					
A184	CONCRETE CURB. REFER TO STRUCTURAL					
A258	GUTTER DOWNSPOUT 6" DIAMETER, COORDINATE WITH PLUMBING AND CIVIL					

FINISH LEGEND

- PT.3 DESCRIPTION: EXTERIOR PAINT ON STUCCO COLOR: TBD
- T-2) DESCRIPTION: LIMESTONE CLADDI
- PT-5 DESCRIPTION: COLOR FOR STANDING SEAM RO





Elevations



ST. LUCIE FIRE STATION VILLAGE PARKW

ACTUAL STATION VILLAGE PARKW

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ST. LUCIE FIRE STATION VILLAGE PARKW

ACTUAL STATION

CityofPSL.com

Zoning Review

- The subject property is within the Tradition Commerce Park North MPUD and complies with the Master Planned Unit Development requirements.
- A total of 9 standard parking spaces is required and 20 provided including 1 handicapped spaces.
- Proposed building is a height of 27 feet and 7.5 inches. The maximum height allowed within the Neighborhood/Village Commercial subarea is 50 feet.

Traffic Impact Statement

This development with the Traffic Impact Statement was reviewed by City Staff.

Per the estimation based on typical employee access, this particular development predicts 6 Peak Hour trips to the site.

No significant traffic impact is expected based on the site plan submitted.

An Emergency Signal will be submitted for review with the Construction plans and required to be installed.

Concurrency Review and Traffic Analysis

- The Port St. Lucie Utility Services District is the provider of sewer and water service.
- A traffic analysis and autoturn analysis were provided and approved by Public Works.

Other

CRITERIA	<u>FINDINGS</u>
NATURAL RESOURCE PROTECTION FIRE DISTRICT	An environmental assessment report was prepared for the subject property. The site is undeveloped, comprised of lands previously converted to citrus groves, which are no longer in operation. Field observations confirmed that there are no remaining native or natural upland areas on the subject property. No gopher tortoises or burrows were found on site. A new gopher tortoise survey will be required before the project is cleared. There are no wetlands on the property. Access location (external and internal) has been reviewed by the Fire District for safety purposes.
PUBLIC ART	Required, per Code applicant has 90 days after issuance of $1^{\rm st}$ building permit to identify preferred option. At this time, the applicant has identified the in lieu option.

Recommendation

• The Site Plan Review Committee reviewed the request at a SPRC meeting on August 9, 2023, and recommended approval.