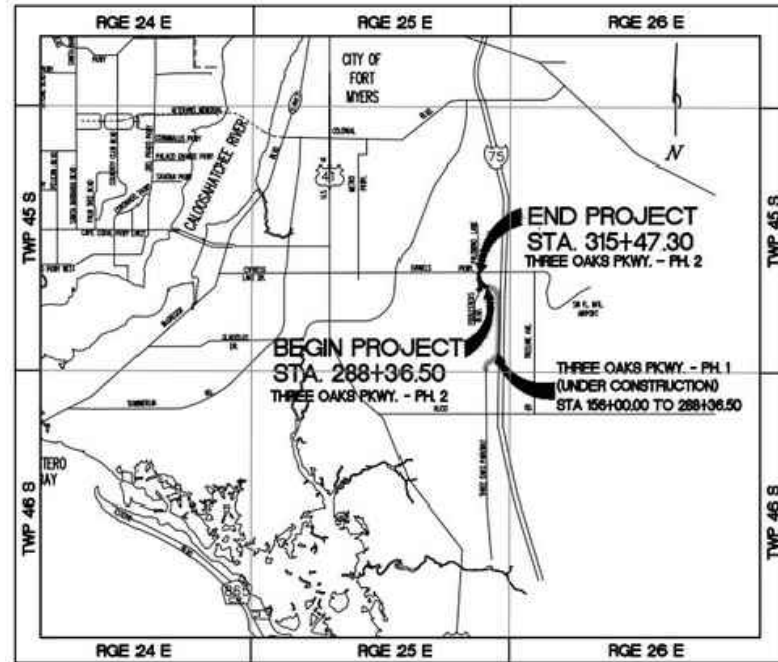


LEE COUNTY DEPARTMENT OF TRANSPORTATION PLANS  
**THREE OAKS PARKWAY EXTENSION**  
**FIDDLESTICKS CANAL TO DANIELS PARKWAY**  
 LEE COUNTY PROJECT NO. CN160642/ANB



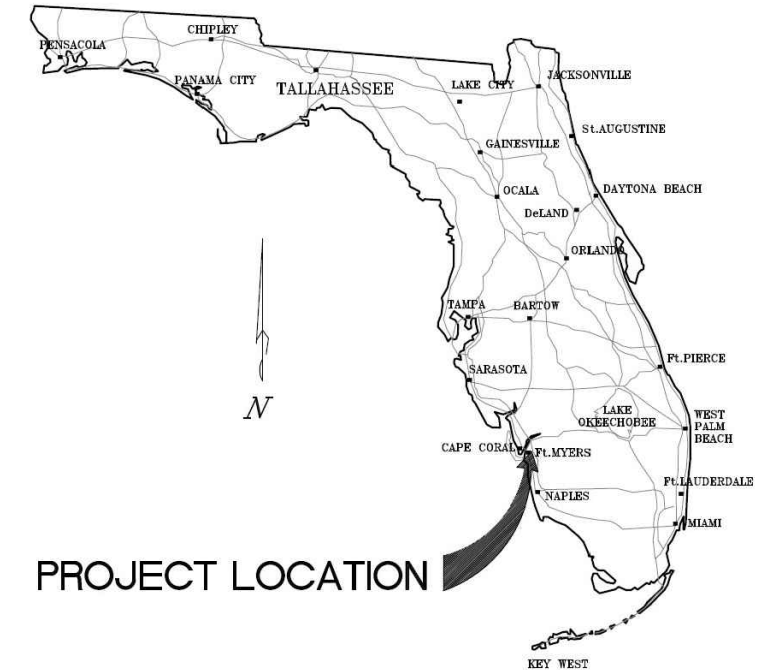
PROJECT LOCATION MAP

BOARD OF LEE COUNTY COMMISSIONERS

District ONE Kevin Ruane	District TWO Cecil Pendergrass	District THREE Ray Sandelli	District FOUR Brian Hamman	District FIVE Mike Greenwell
-----------------------------	-----------------------------------	--------------------------------	-------------------------------	---------------------------------

LEE COUNTY MANAGER  
Dave Harner

LEE COUNTY DEPARTMENT OF TRANSPORTATION  
Randy Cerchie, Director  
Vincent Miller, Project Manager



PROJECT LOCATION

VICINITY MAP

**LANDSCAPE AND IRRIGATION PLANS**

**INDEX OF PLANS**

CVR	COVER SHEET
LA-1 THRU LA-23	LANDSCAPE PLAN (THREE OAKS PARKWAY)
LA-24	LANDSCAPE PLAN (FIDDLESTICKS BLVD)
LA-25 THRU LA-26	LANDSCAPE DETAILS
LA-27	LANDSCAPE SPECIFICATIONS
LA-28	PLANT SCHEDULE

CVR	COVER SHEET
IR-1 THRU IR-23	IRRIGATION PLAN (THREE OAKS PARKWAY)
IR-24	IRRIGATION PLAN (FIDDLESTICKS BLVD)
IR-25 THRU IR-26	BUBBLER PLACEMENT DETAILS
IR-27 THRU IR-31	IRRIGATION DETAILS
IR-32 THRU IR-34	IRRIGATION SPECIFICATIONS & SCHEDULE

UTILITY PROVIDERS:

LEE COUNTY UTILITIES  
 (WATER AND SEWER)  
 1500 MONROE STREET  
 FORT MYERS, FL 33901  
 239.533.8160

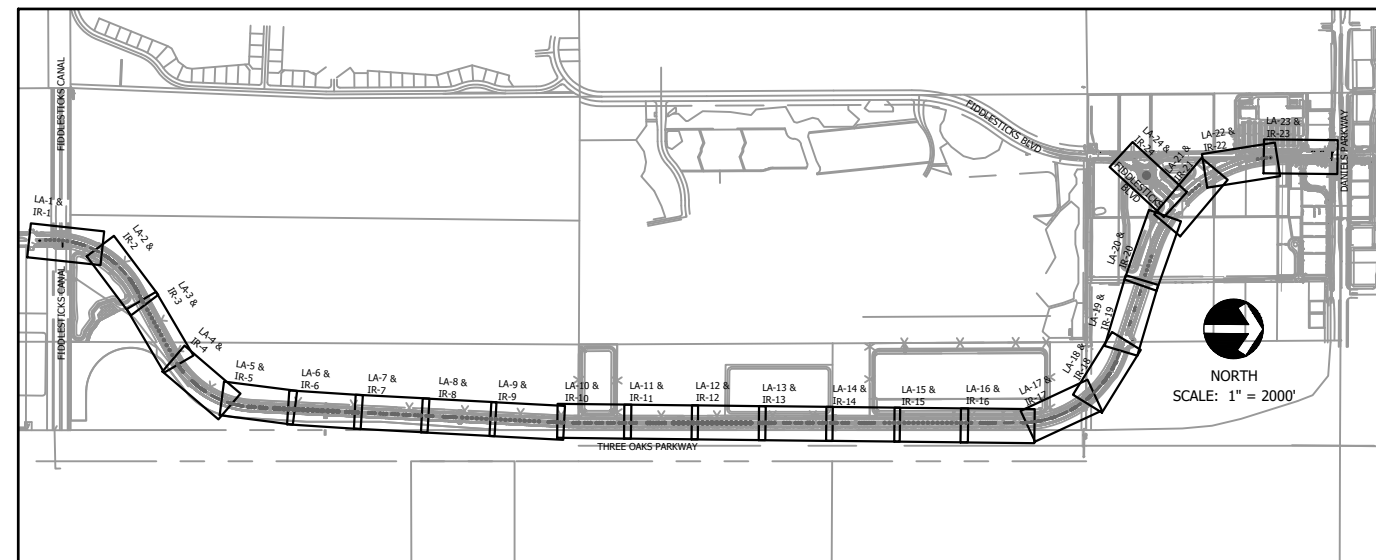
CENTURYLINK  
 (TELEPHONE)  
 2820 CARGO STREET  
 FORT MYERS, FL 33916  
 239.332.0841

SOUTH TRAIL FIRE PROTECTION  
 & RESCUE SERVICE DISTRICT  
 (FIRE RESCUE)  
 5531 HALIFAX AVENUE  
 FORT MYERS, FL 33912  
 239.433.0080

COMCAST  
 (CABLE)  
 26100 BONITA GRANDE DRIVE  
 BONITA SPRINGS, FL 34135  
 855.616.9200

FPL  
 (ELECTRIC)  
 15834 WINKLER ROAD  
 FORT MYERS, FL 33908  
 239.267.0974

WATER PRO  
 (REFUSE)  
 13110 RICKENBACKER PARKWAY  
 FORT MYERS, FL 33913  
 239.337.0800



OVERALL SITE MAP

100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

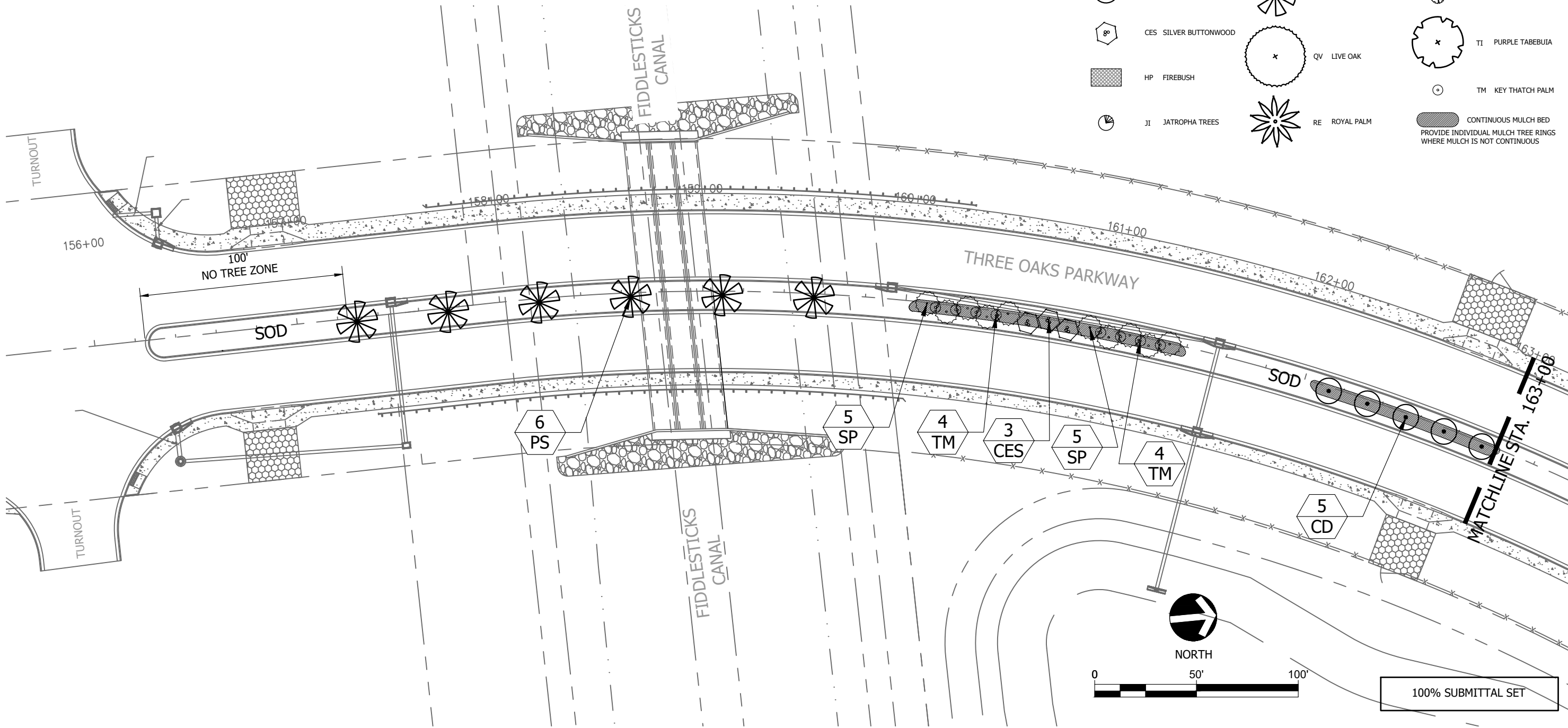
SCALE:		
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

COVER SHEET

SHEET #  
**CVR**

**PLANTING LEGEND**

TREES, PALMS, & SHRUBS			
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM
	CES SILVER BUTTONWOOD		QV LIVE OAK
	HP FIREBUSH		RE ROYAL PALM
	JI JATROPHA TREES		SP SABAL PALM
			SR SILVER SAW PALMETTO
			TG PURPLE GLORY TREES
			TI PURPLE TABEBUIA
			TM KEY THATCH PALM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



100% SUBMITTAL SET



P.O. BOX 111841, NAPLES, FLORIDA 34108  
PHONE (239) 263-4029 FAX (239) 594-7091

IN COORDINATION WITH:



AVALON ENGINEERING, INC.  
2503 DEL PRADO BLVD. # 200  
CAPE CORAL, FL 33904

PREPARED FOR:  
LEE COUNTY  
DEPARTMENT OF  
TRANSPORTATION

THREE OAKS PARKWAY  
EXTENSION  
CONTRACT NO.: CN160642 / ANB  
LEE COUNTY, FL

REV	DATE	DESCRIPTION

SCALE: 1" = 50'  
DATE: SEPTEMBER 2024  
PROJECT #:

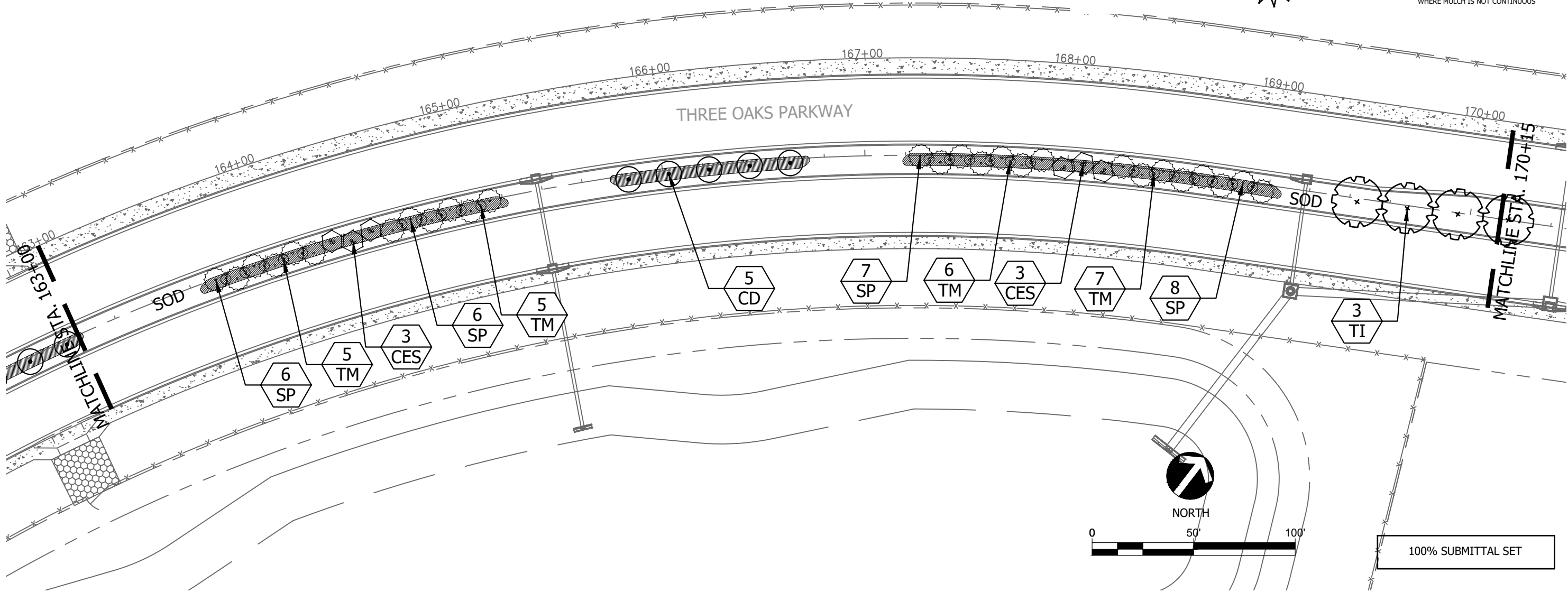
**LANDSCAPE PLAN**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-1**

**PLANTING LEGEND**

TREES, PALMS, & SHRUBS			
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM
	CES SILVER BUTTONWOOD		QV LIVE OAK
	HP FIREBUSH		TI PURPLE TABEBUIA
	JI JATROPHA TREES		TM KEY THATCH PALM
	SP SABAL PALM		RE ROYAL PALM
	SR SILVER SAW PALMETTO		CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS
	TG PURPLE GLORY TREES		



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

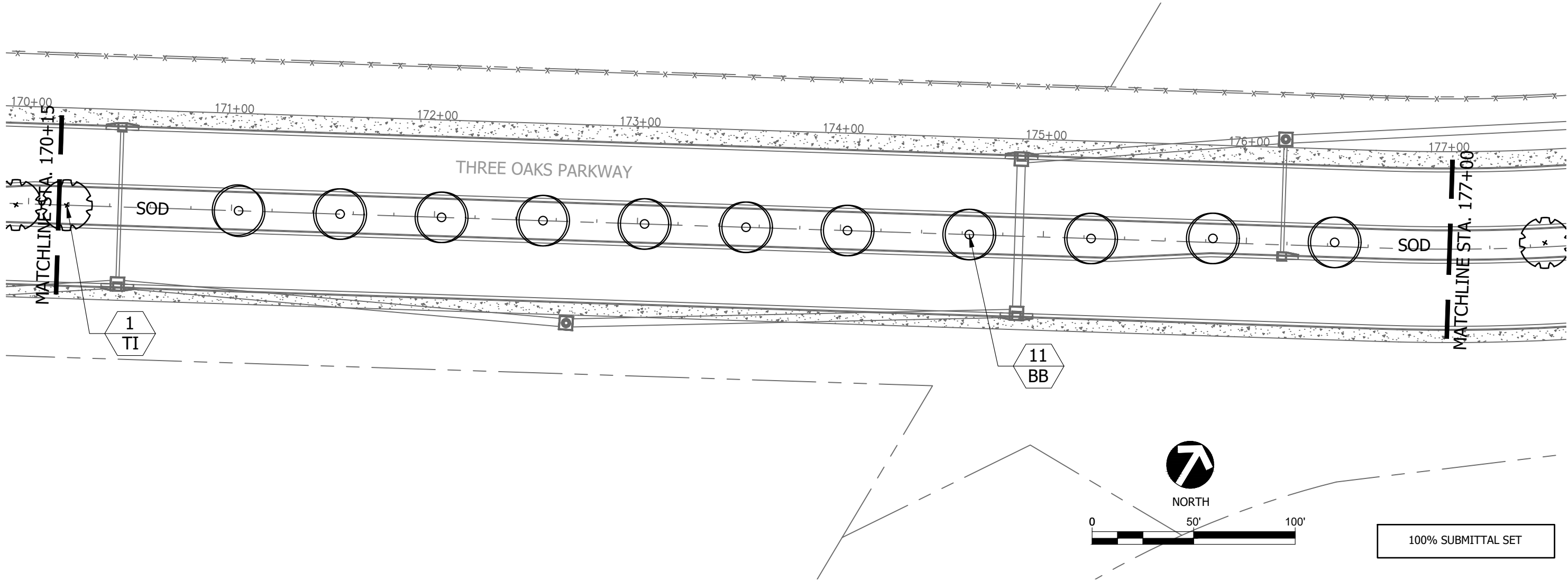
**LANDSCAPE PLAN**

SHEET #  
**LA-2**

DAYNA L. FENDRICK, RLA #0001224

**PLANTING LEGEND**

TREES, PALMS, & SHRUBS			
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM
	CES SILVER BUTTONWOOD		QV LIVE OAK
	HP FIREBUSH		RE ROYAL PALM
	JI JATROPHA TREES		SP SABAL PALM
			SR SILVER SAW PALMETTO
			TG PURPLE GLORY TREES
			TI PURPLE TABEBUIA
			TM KEY THATCH PALM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

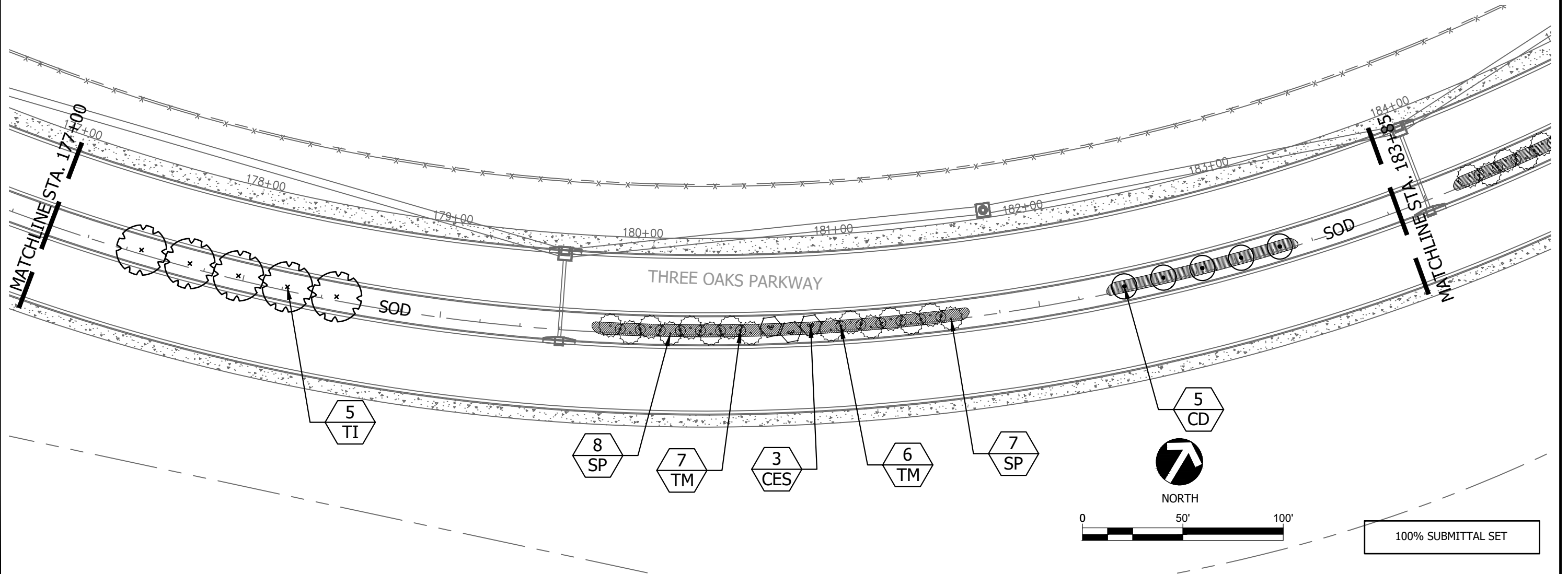
**LANDSCAPE PLAN**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-3**

**PLANTING LEGEND**

TREES, PALMS, & SHRUBS			
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM
	CES SILVER BUTTONWOOD		QV LIVE OAK
	HP FIREBUSH		RE ROYAL PALM
	JI JATROPHA TREES		TI PURPLE TABEBUIA
	SP SABAL PALM		TM KEY THATCH PALM
	SR SILVER SAW PALMETTO		CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS
	TG PURPLE GLORY TREES		



P.O. BOX 111841, NAPLES, FLORIDA 34108  
PHONE (239) 263-4029 FAX (239) 594-7091

IN COORDINATION WITH:



AVALON ENGINEERING, INC.  
2503 DEL PRADO BLVD. # 200  
CAPE CORAL, FL 33904

PREPARED FOR:  
LEE COUNTY  
DEPARTMENT OF  
TRANSPORTATION

THREE OAKS PARKWAY  
EXTENSION  
CONTRACT NO.: CN160642 / ANB  
LEE COUNTY, FL

REV	DATE	DESCRIPTION

SCALE: 1" = 50'  
DATE: SEPTEMBER 2024  
PROJECT #:

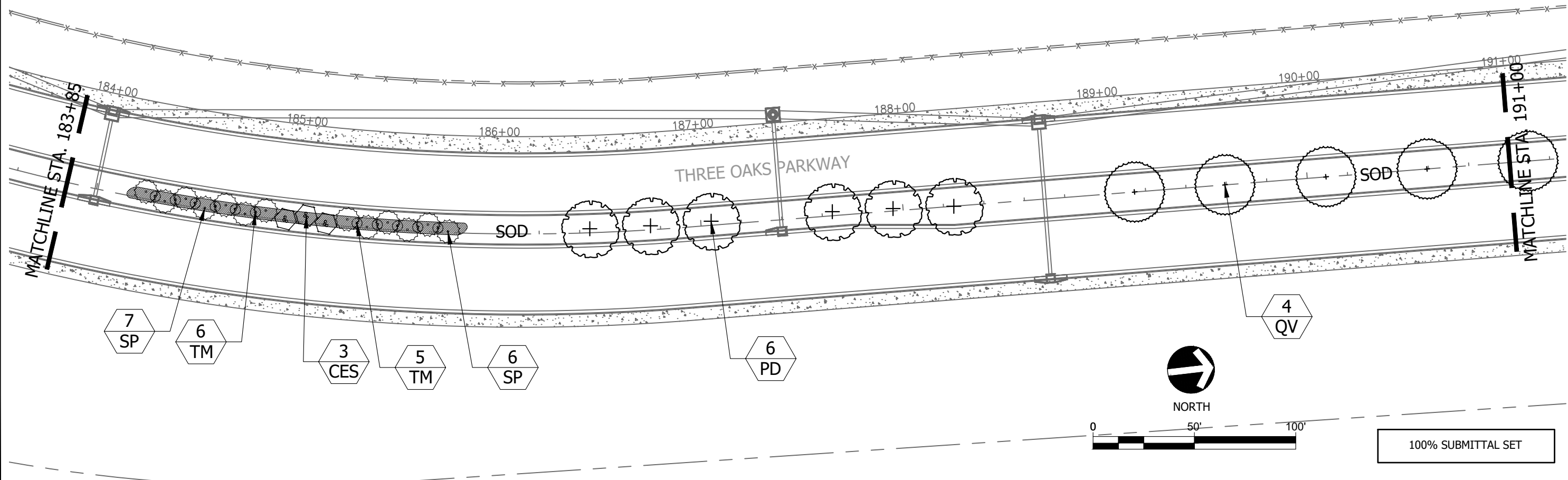
**LANDSCAPE PLAN**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-4**

**PLANTING LEGEND**

TREES, PALMS, & SHRUBS			
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM
	CES SILVER BUTTONWOOD		QV LIVE OAK
	HP FIREBUSH		RE ROYAL PALM
	JI JATROPHA TREES		SP SABAL PALM
			SR SILVER SAW PALMETTO
			TG PURPLE GLORY TREES
			TI PURPLE TABEBUIA
			TM KEY THATCH PALM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

REV	DATE	DESCRIPTION

SCALE: 1" = 50'  
 DATE: SEPTEMBER 2024  
 PROJECT #:

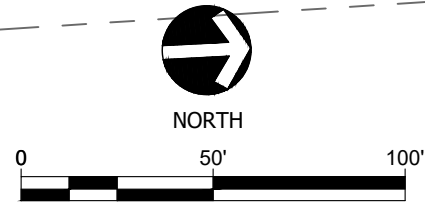
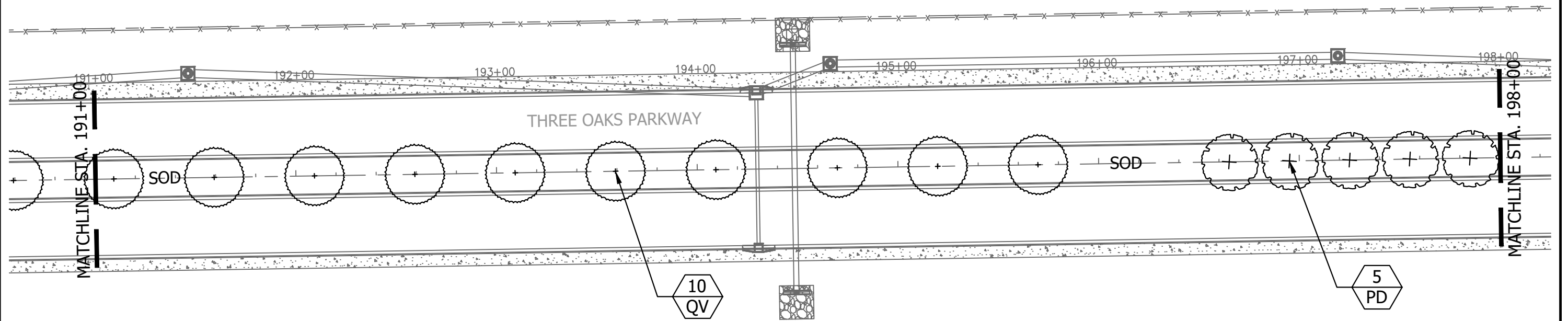
**LANDSCAPE PLAN**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-5**

**PLANTING LEGEND**

TREES, PALMS, & SHRUBS			
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM
	CES SILVER BUTTONWOOD		QV LIVE OAK
	HP FIREBUSH		TI PURPLE TABEBUIA
	JI JATROPHA TREES		RE ROYAL PALM
	SP SABAL PALM		SR SILVER SAW PALMETTO
	TG PURPLE GLORY TREES		TM KEY THATCH PALM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

REV	DATE	DESCRIPTION

SCALE: 1" = 50'  
 DATE: SEPTEMBER 2024  
 PROJECT #:

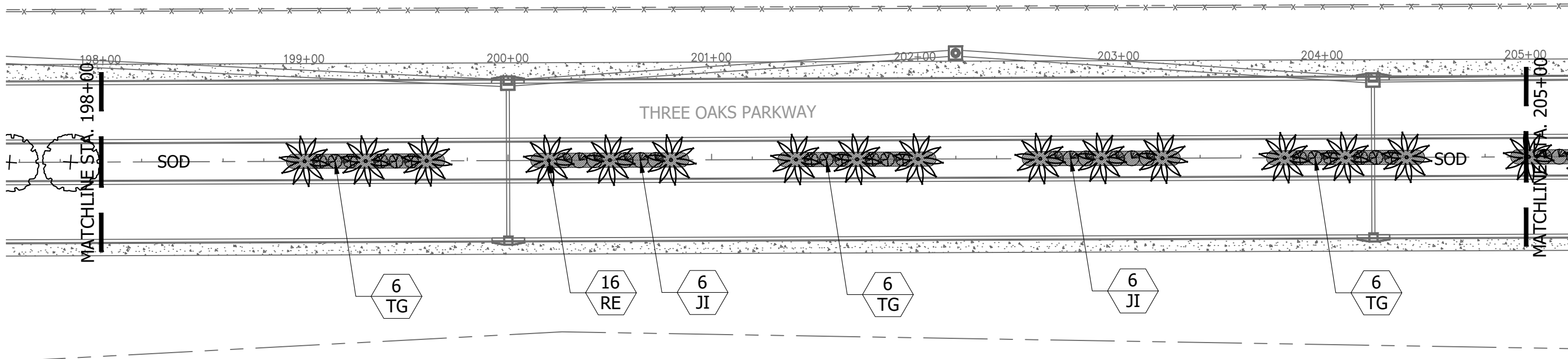
**LANDSCAPE PLAN**

DAYNA L. FENDRICK, RLA #0001224

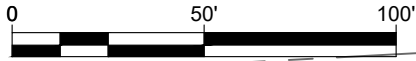
SHEET #  
**LA-6**

**PLANTING LEGEND**

TREES, PALMS, & SHRUBS					
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA		SP SABAL PALM
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM		SR SILVER SAW PALMETTO
	CES SILVER BUTTONWOOD		QV LIVE OAK		TG PURPLE GLORY TREES
	HP FIREBUSH		TI PURPLE TABEBUIA		TM KEY THATCH PALM
	JI JATROPHA TREES		RE ROYAL PALM		CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



NORTH



100% SUBMITTAL SET



P.O. BOX 111841, NAPLES, FLORIDA 34108  
PHONE (239) 263-4029 FAX (239) 594-7091

IN COORDINATION WITH:



AVALON ENGINEERING, INC.  
2503 DEL PRADO BLVD. # 200  
CAPE CORAL, FL 33904

PREPARED FOR:  
LEE COUNTY  
DEPARTMENT OF  
TRANSPORTATION

THREE OAKS PARKWAY  
EXTENSION  
CONTRACT NO.: CN160642 / ANB  
LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

LANDSCAPE PLAN

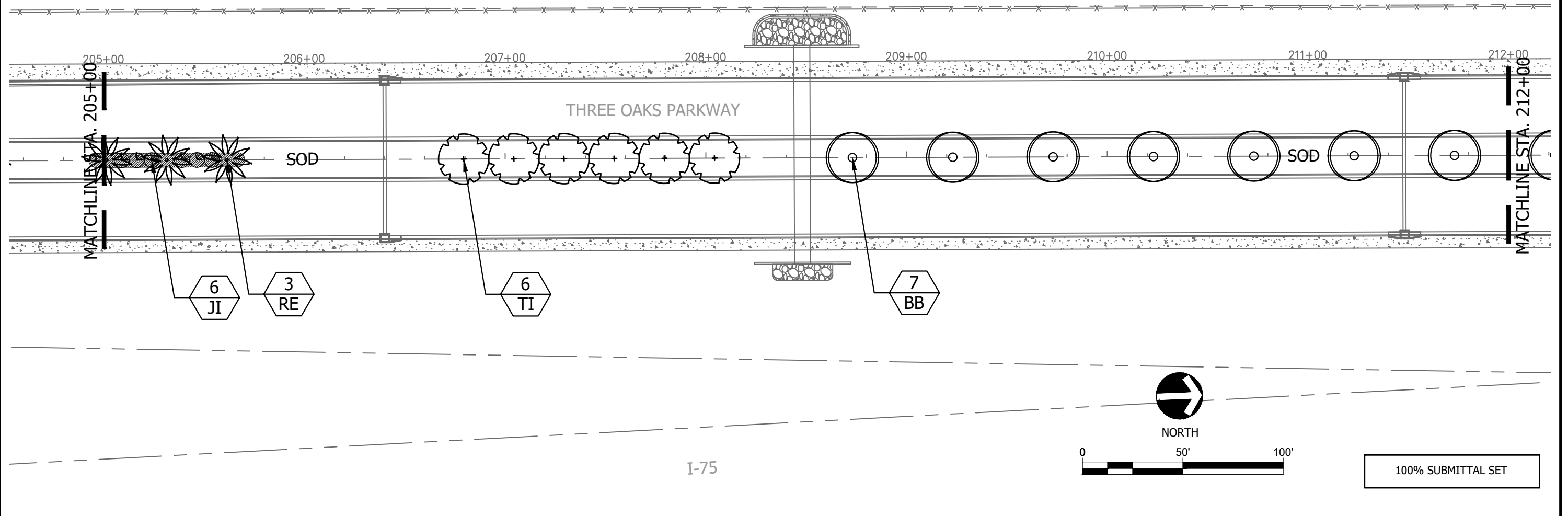
DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-7**



**PLANTING LEGEND**

TREES, PALMS, & SHRUBS			
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM
	CES SILVER BUTTONWOOD		QV LIVE OAK
	HP FIREBUSH		TI PURPLE TABEBUIA
	JI JATROPHA TREES		RE ROYAL PALM
			SP SABAL PALM
			SR SILVER SAW PALMETTO
			TG PURPLE GLORY TREES
			TM KEY THATCH PALM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



100% SUBMITTAL SET



P.O. BOX 111841, NAPLES, FLORIDA 34108  
PHONE (239) 263-4029 FAX (239) 594-7091

IN COORDINATION WITH:



AVALON ENGINEERING, INC.  
2503 DEL PRADO BLVD. # 200  
CAPE CORAL, FL 33904

PREPARED FOR:  
LEE COUNTY  
DEPARTMENT OF  
TRANSPORTATION

THREE OAKS PARKWAY  
EXTENSION  
CONTRACT NO.: CN160642 / ANB  
LEE COUNTY, FL

REV	DATE	DESCRIPTION

SCALE: 1" = 50'  
DATE: SEPTEMBER 2024  
PROJECT #:

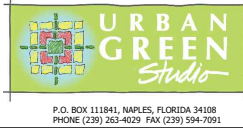
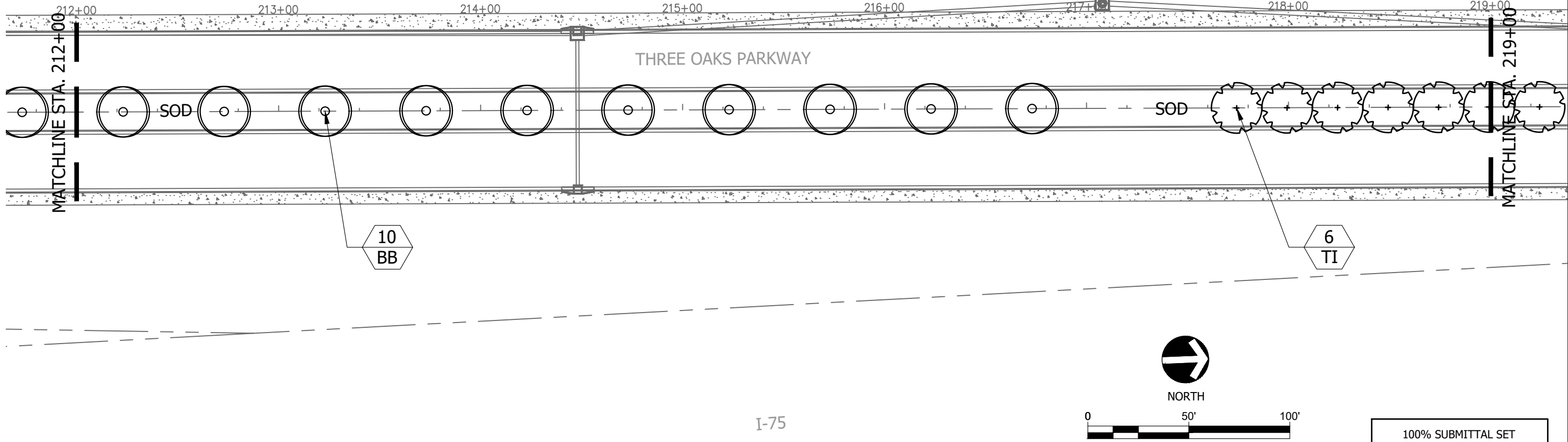
LANDSCAPE PLAN

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-8**

**PLANTING LEGEND**

TREES, PALMS, & SHRUBS			
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM
	CES SILVER BUTTONWOOD		QV LIVE OAK
	HP FIREBUSH		RE ROYAL PALM
	JI JATROPHA TREES		SP SABAL PALM
			SR SILVER SAW PALMETTO
			TG PURPLE GLORY TREES
			TI PURPLE TABEBUIA
			TM KEY THATCH PALM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

REV	DATE	DESCRIPTION

SCALE: 1" = 50'  
 DATE: SEPTEMBER 2024  
 PROJECT #:

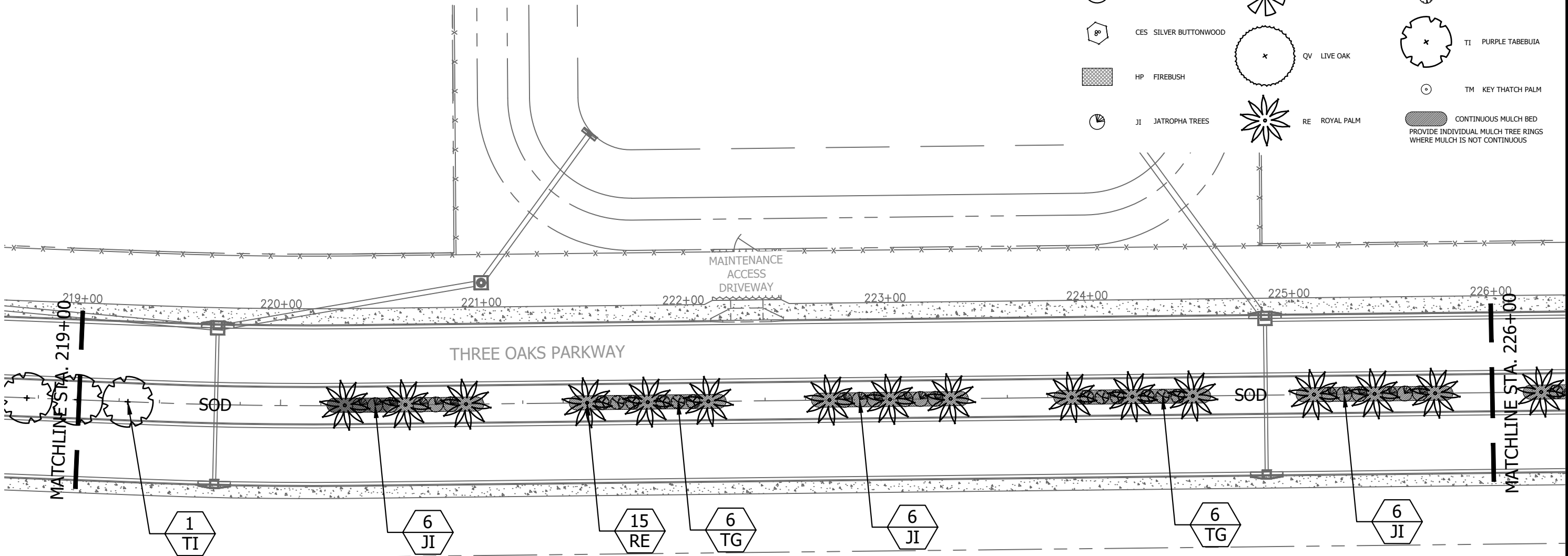
**LANDSCAPE PLAN**

DAYNA L. FENDRICK, RLA #0001224

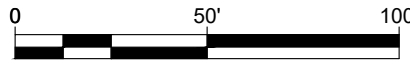
SHEET #  
**LA-9**

**PLANTING LEGEND**

TREES, PALMS, & SHRUBS					
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA		SP SABAL PALM
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM		SR SILVER SAW PALMETTO
	CES SILVER BUTTONWOOD		QV LIVE OAK		TG PURPLE GLORY TREES
	HP FIREBUSH		TI PURPLE TABEBUIA		TM KEY THATCH PALM
	JI JATROPHA TREES		RE ROYAL PALM		CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



NORTH



100% SUBMITTAL SET



P.O. BOX 111841, NAPLES, FLORIDA 34108  
PHONE (239) 263-4029 FAX (239) 594-7091

IN COORDINATION WITH:



AVALON ENGINEERING, INC.  
2503 DEL PRADO BLVD. # 200  
CAPE CORAL, FL 33904

PREPARED FOR:  
LEE COUNTY  
DEPARTMENT OF  
TRANSPORTATION

THREE OAKS PARKWAY  
EXTENSION  
CONTRACT NO.: CN160642 / ANB  
LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

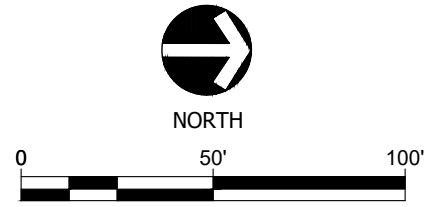
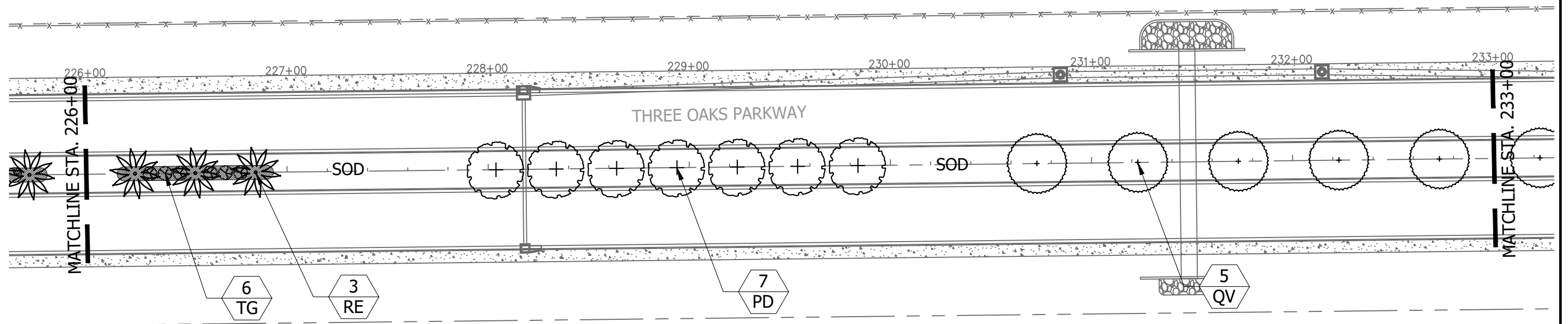
**LANDSCAPE PLAN**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-10**

**PLANTING LEGEND**

TREES, PALMS, & SHRUBS			
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM
	CES SILVER BUTTONWOOD		QV LIVE OAK
	HP FIREBUSH		TI PURPLE TABEBUIA
	JI JATROPHA TREES		RE ROYAL PALM
	SP SABAL PALM		TM KEY THATCH PALM
	SR SILVER SAW PALMETTO		CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS
	TG PURPLE GLORY TREES		



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

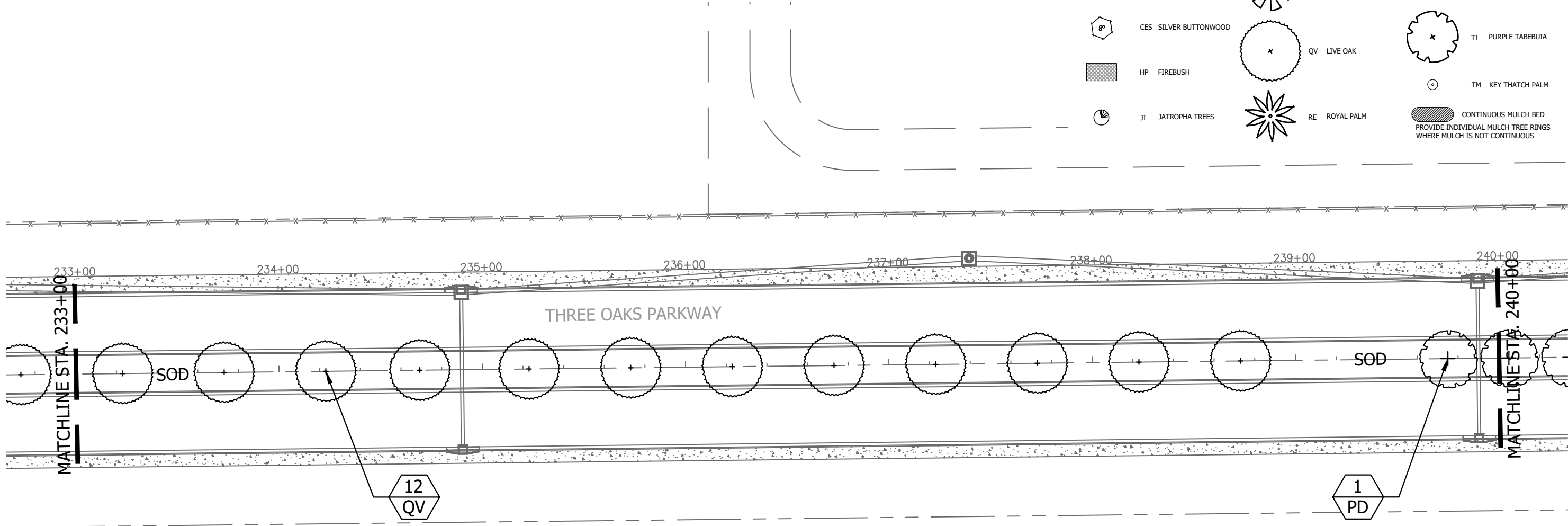
**LANDSCAPE PLAN**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-11**

**PLANTING LEGEND**

TREES, PALMS, & SHRUBS			
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM
	CES SILVER BUTTONWOOD		QV LIVE OAK
	HP FIREBUSH		RE ROYAL PALM
	JI JATROPHA TREES		SP SABAL PALM
			SR SILVER SAW PALMETTO
			TG PURPLE GLORY TREES
			TI PURPLE TABEUIA
			TM KEY THATCH PALM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



100% SUBMITTAL SET



P.O. BOX 111841, NAPLES, FLORIDA 34108  
PHONE (239) 263-4029 FAX (239) 594-7091

IN COORDINATION WITH:



AVALON ENGINEERING, INC.  
2503 DEL PRADO BLVD. # 200  
CAPE CORAL, FL 33904

PREPARED FOR:  
LEE COUNTY  
DEPARTMENT OF  
TRANSPORTATION

THREE OAKS PARKWAY  
EXTENSION  
CONTRACT NO.: CN160642 / ANB  
LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

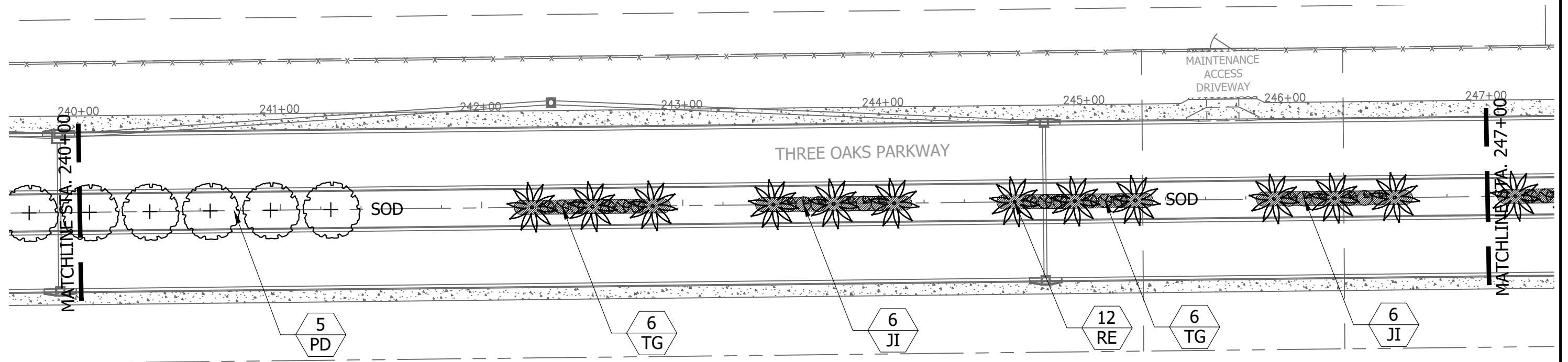
**LANDSCAPE PLAN**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-12**

**PLANTING LEGEND**

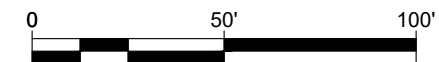
TREES, PALMS, & SHRUBS			
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM
	CES SILVER BUTTONWOOD		QV LIVE OAK
	HP FIREBUSH		RE ROYAL PALM
	JI JATROPHA TREES		TI PURPLE TABEBUIA
			TM KEY THATCH PALM
			SP SABAL PALM
			SR SILVER SAW PALMETTO
			TG PURPLE GLORY TREES
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



I-75



NORTH



100% SUBMITTAL SET



P.O. BOX 111841, NAPLES, FLORIDA 34108  
PHONE (239) 263-4029 FAX (239) 594-7091

IN COORDINATION WITH:



AVALON ENGINEERING, INC.  
2503 DEL PRADO BLVD. # 200  
CAPE CORAL, FL 33904

PREPARED FOR:  
LEE COUNTY  
DEPARTMENT OF  
TRANSPORTATION

THREE OAKS PARKWAY  
EXTENSION  
CONTRACT NO.: CN160642 / ANB  
LEE COUNTY, FL

REV	DATE	DESCRIPTION

SCALE: 1" = 50'  
DATE: SEPTEMBER 2024  
PROJECT #:

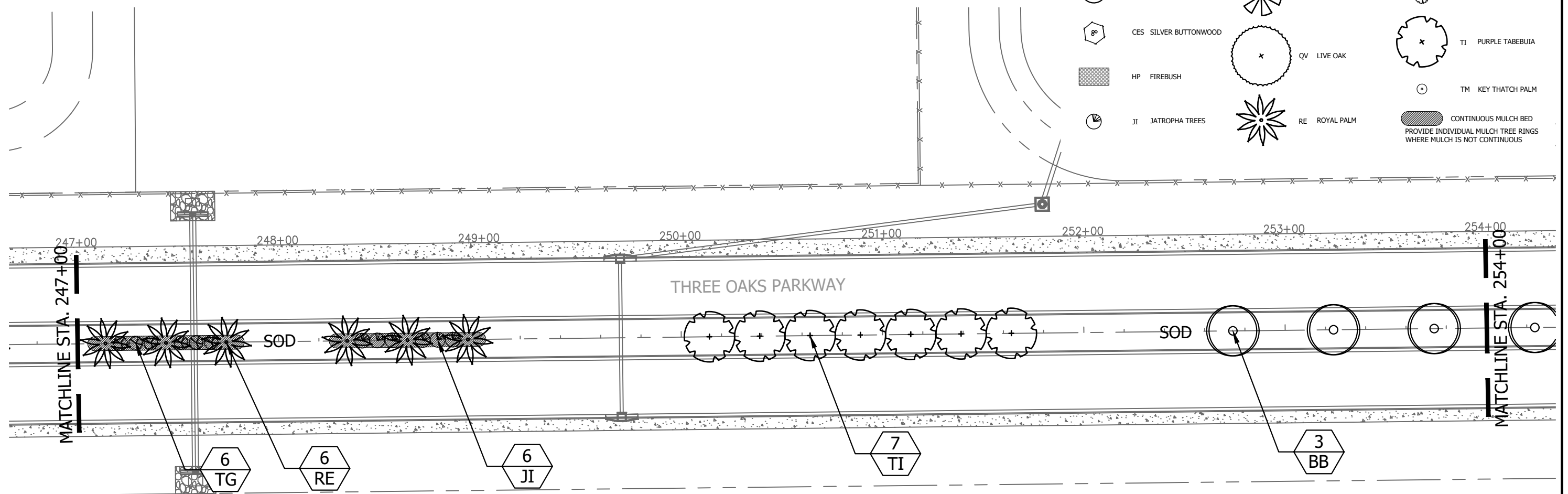
LANDSCAPE PLAN

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-13**

**PLANTING LEGEND**

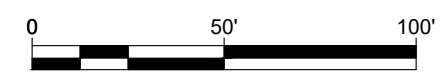
TREES, PALMS, & SHRUBS			
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM
	CES SILVER BUTTWOOD		QV LIVE OAK
	HP FIREBUSH		RE ROYAL PALM
	JI JATROPHA TREES		SP SABAL PALM
			SR SILVER SAW PALMETTO
			TG PURPLE GLORY TREES
			TI PURPLE TABEBUIA
			TM KEY THATCH PALM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



I-75



NORTH



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

REV	DATE	DESCRIPTION

SCALE: 1" = 50'  
 DATE: SEPTEMBER 2024  
 PROJECT #:

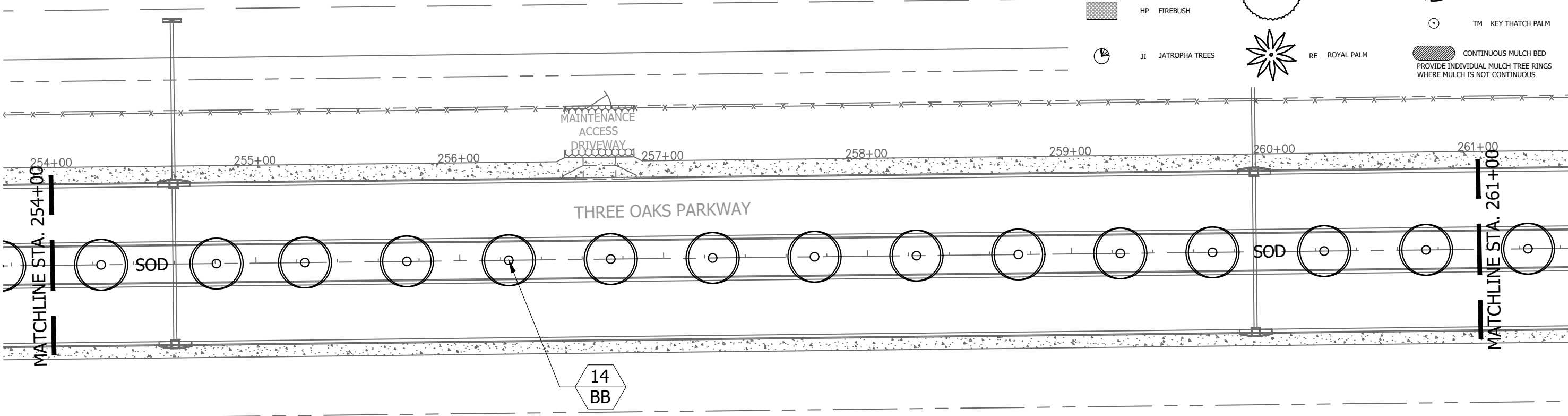
LANDSCAPE PLAN

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-14**

**PLANTING LEGEND**

TREES, PALMS, & SHRUBS			
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM
	CES SILVER BUTTONWOOD		QV LIVE OAK
	HP FIREBUSH		RE ROYAL PALM
	JI JATROPHA TREES		SP SABAL PALM
			SR SILVER SAW PALMETTO
			TG PURPLE GLORY TREES
			TI PURPLE TABEBUIA
			TM KEY THATCH PALM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

LANDSCAPE PLAN

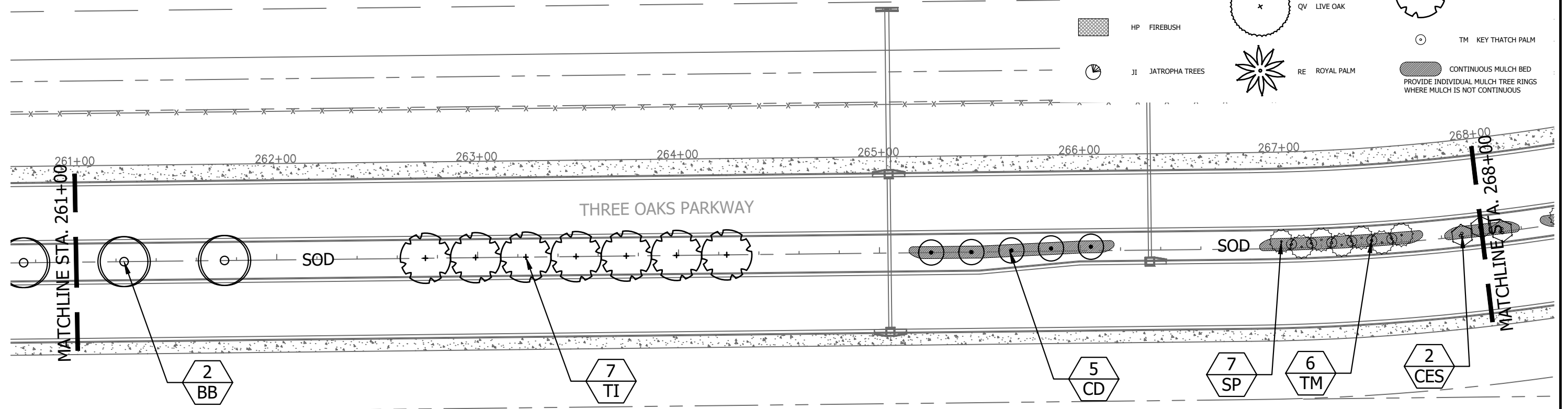
DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-15**



**PLANTING LEGEND**

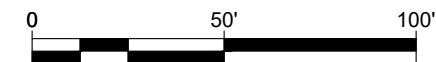
TREES, PALMS, & SHRUBS					
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA		SP SABAL PALM
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM		TG PURPLE GLORY TREES
	CES SILVER BUTTONWOOD		QV LIVE OAK		TI PURPLE TABEBUIA
	HP FIREBUSH		RE ROYAL PALM		TM KEY THATCH PALM
	JI JATROPHA TREES		CONTINUOUS MULCH BED		PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



I-75



NORTH



100% SUBMITTAL SET



P.O. BOX 111841, NAPLES, FLORIDA 34108  
PHONE (239) 263-4029 FAX (239) 594-7091

IN COORDINATION WITH:



AVALON ENGINEERING, INC.  
2503 DEL PRADO BLVD. # 200  
CAPE CORAL, FL 33904

PREPARED FOR:  
LEE COUNTY  
DEPARTMENT OF  
TRANSPORTATION

THREE OAKS PARKWAY  
EXTENSION  
CONTRACT NO.: CN160642 / ANB  
LEE COUNTY, FL

REV	DATE	DESCRIPTION

SCALE: 1" = 50'  
DATE: SEPTEMBER 2024  
PROJECT #:

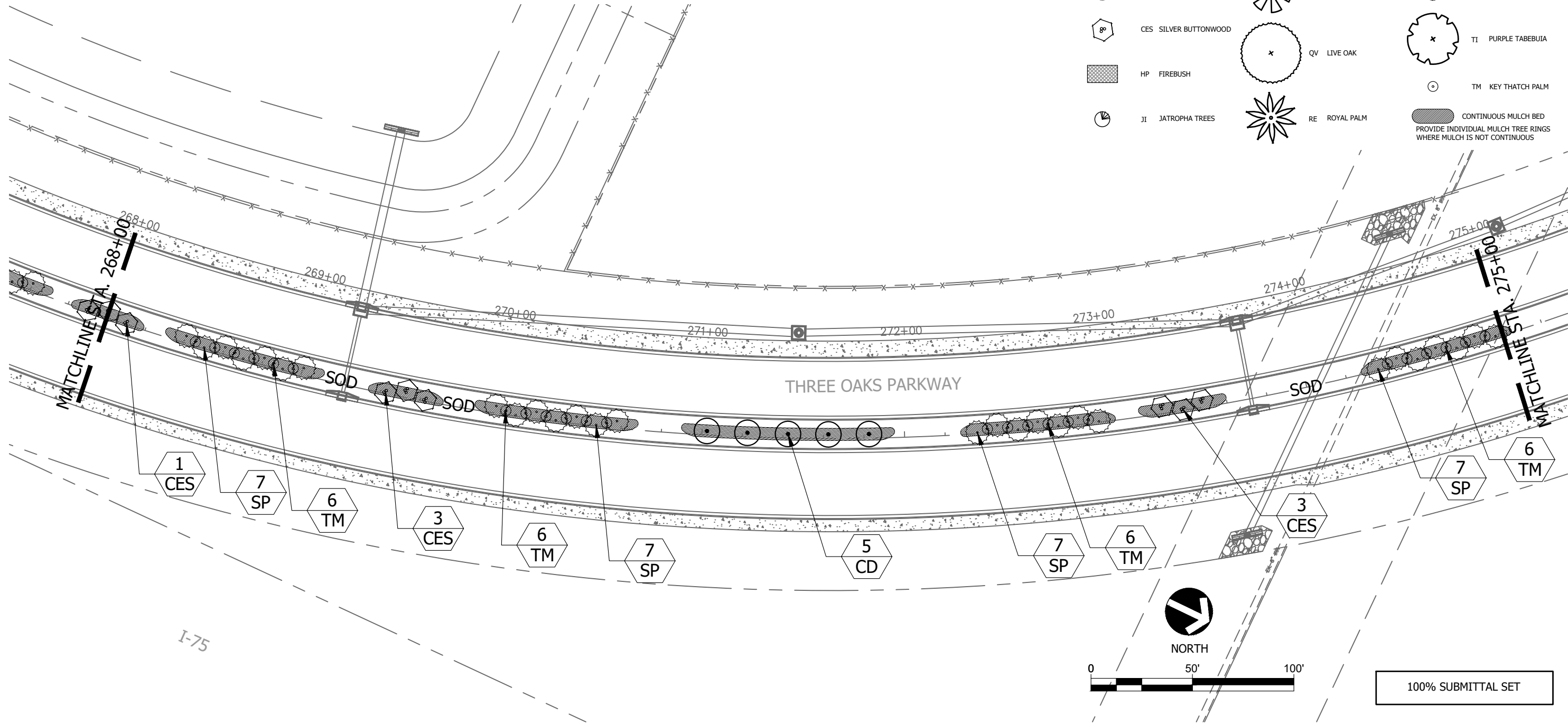
LANDSCAPE PLAN

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-16**

**PLANTING LEGEND**

TREES, PALMS, & SHRUBS					
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA		SP SABAL PALM
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM		SR SILVER SAW PALMETTO
	CES SILVER BUTTONWOOD		QV LIVE OAK		TG PURPLE GLORY TREES
	HP FIREBUSH		TI PURPLE TABEBUIA		TM KEY THATCH PALM
	JI JATROPHA TREES		RE ROYAL PALM		CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

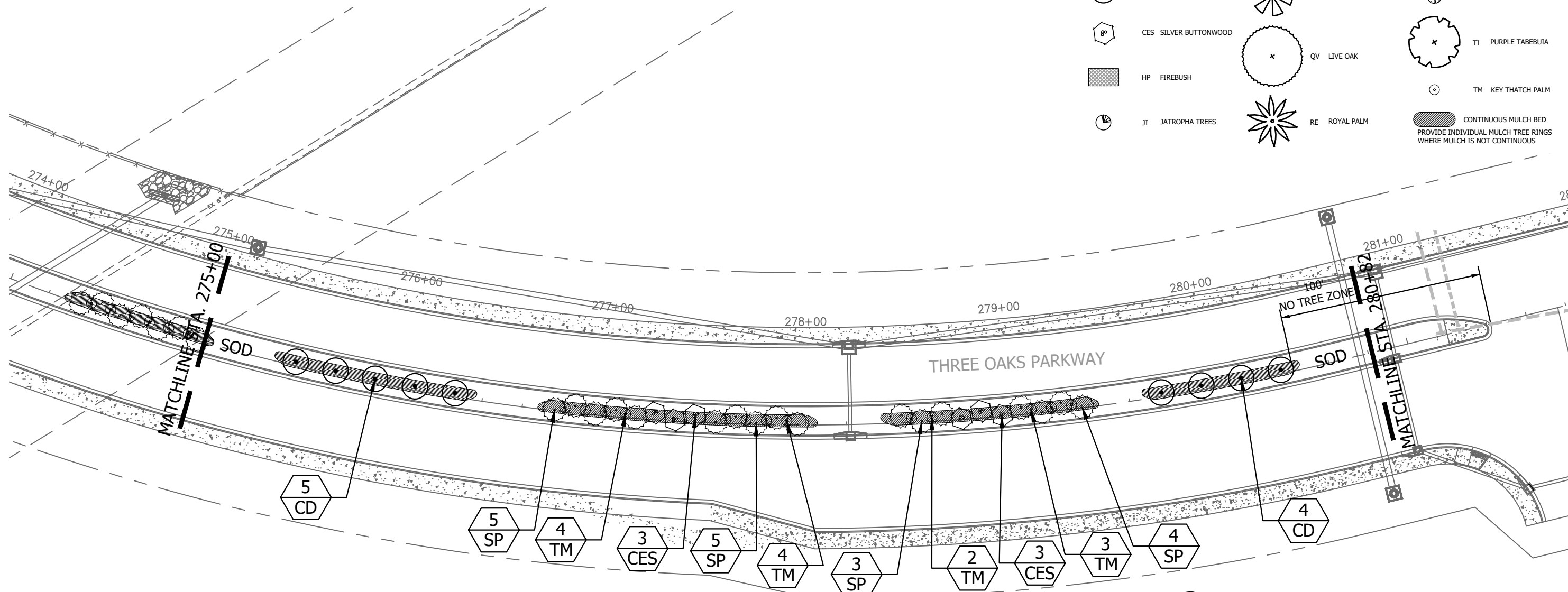
**LANDSCAPE PLAN**

SHEET #  
**LA-17**

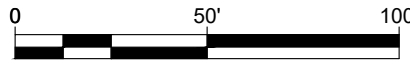
DAYNA L. FENDRICK, RLA #0001224

**PLANTING LEGEND**

TREES, PALMS, & SHRUBS			
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM
	CES SILVER BUTTONWOOD		QV LIVE OAK
	HP FIREBUSH		RE ROYAL PALM
	JI JATROPHA TREES		SP SABAL PALM
			SR SILVER SAW PALMETTO
			TG PURPLE GLORY TREES
			TI PURPLE TABEBUIA
			TM KEY THATCH PALM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



NORTH



100% SUBMITTAL SET



P.O. BOX 111841, NAPLES, FLORIDA 34108  
PHONE (239) 263-4029 FAX (239) 594-7091

IN COORDINATION WITH:



AVALON ENGINEERING, INC.  
2503 DEL PRADO BLVD. # 200  
CAPE CORAL, FL 33904

PREPARED FOR:  
LEE COUNTY  
DEPARTMENT OF  
TRANSPORTATION

THREE OAKS PARKWAY  
EXTENSION  
CONTRACT NO.: CN160642 / ANB  
LEE COUNTY, FL

REV	DATE	DESCRIPTION

SCALE: 1" = 50'  
DATE: SEPTEMBER 2024  
PROJECT #:

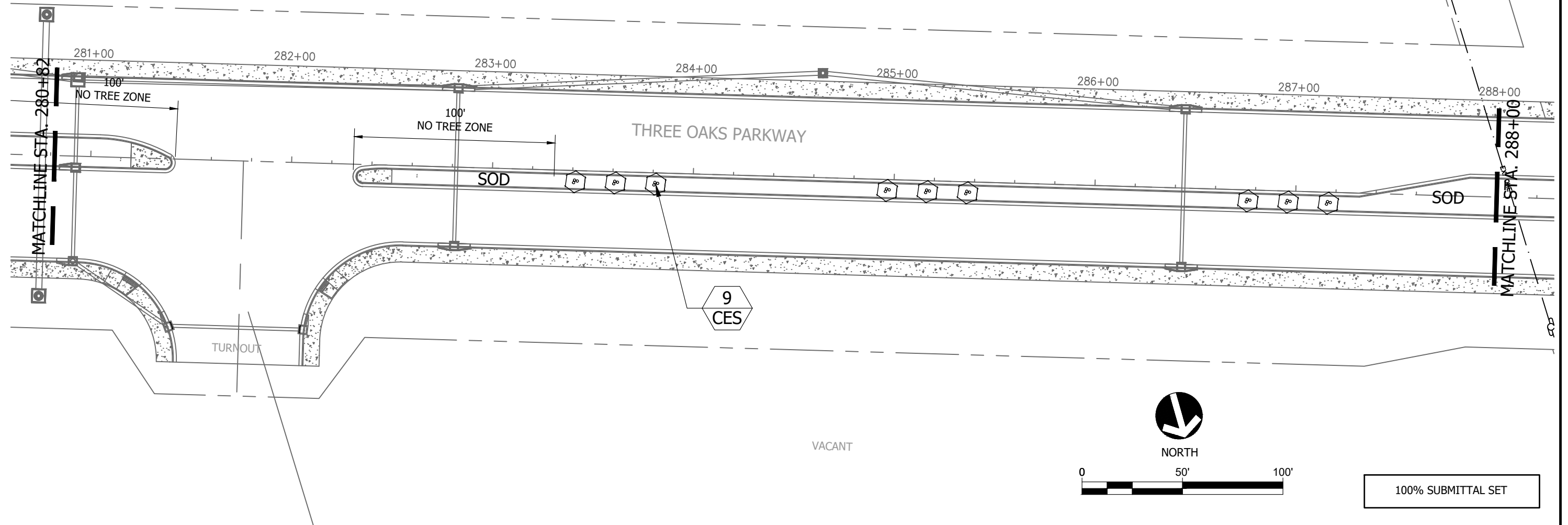
LANDSCAPE PLAN

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-18**

**PLANTING LEGEND**

TREES, PALMS, & SHRUBS			
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM
	CES SILVER BUTTONWOOD		QV LIVE OAK
	HP FIREBUSH		RE ROYAL PALM
	JI JATROPHA TREES		SP SABAL PALM
			SR SILVER SAW PALMETTO
			TG PURPLE GLORY TREES
			TI PURPLE TABEBUIA
			TM KEY THATCH PALM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

REV	DATE	DESCRIPTION

SCALE: 1" = 50'  
 DATE: SEPTEMBER 2024  
 PROJECT #:

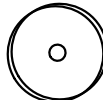

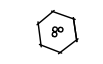
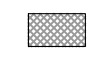

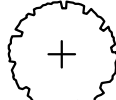




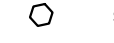

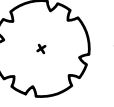


**LANDSCAPE PLAN**

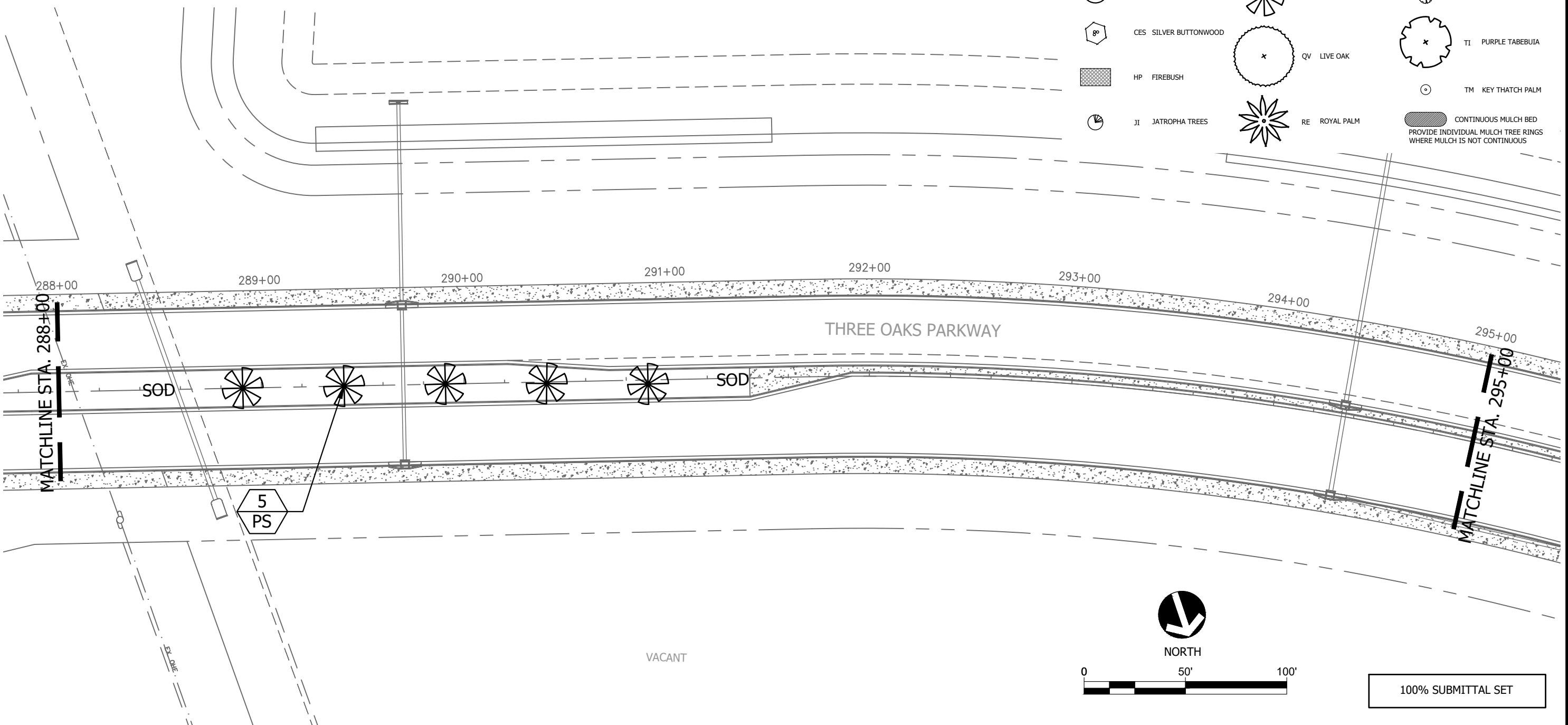
DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-19**

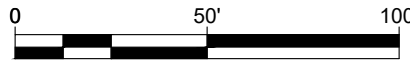
**PLANTING LEGEND**

TREES, PALMS, & SHRUBS

-  BB BLACK OLIVE "SHADY LADY"
-  CD PIGEON PLUM
-  CES SILVER BUTTONWOOD
-  HP FIREBUSH
-  JI JATROPHA TREES
-  PD YELLOW POINCIANA
-  PS SYLVESTRIS DATE PALM
-  QV LIVE OAK
-  RE ROYAL PALM
-  SP SABAL PALM
-  SR SILVER SAW PALMETTO
-  TG PURPLE GLORY TREES
-  TI PURPLE TABEBUIA
-  TM KEY THATCH PALM
-  CONTINUOUS MULCH BED  
PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS




NORTH



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

REV	DATE	DESCRIPTION

SCALE: 1" = 50'  
 DATE: SEPTEMBER 2024  
 PROJECT #:

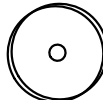
LANDSCAPE PLAN

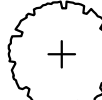
DAYNA L. FENDRICK, RLA #0001224


SHEET #  
**LA-20**


**PLANTING LEGEND**


TREES, PALMS, & SHRUBS


- 


BB BLACK OLIVE  
"SHADY LADY"
  - 


PD YELLOW POINCIANA
  - 


SP SABAL PALM
  - 


CD PIGEON PLUM
  - 

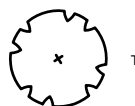
PS SYLVESTRIS DATE PALM
  - 


SR SILVER SAW PALMETTO
  - 

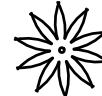
CES SILVER BUTTONWOOD
  - 


QV LIVE OAK
  - 


TG PURPLE GLORY TREES
  - 

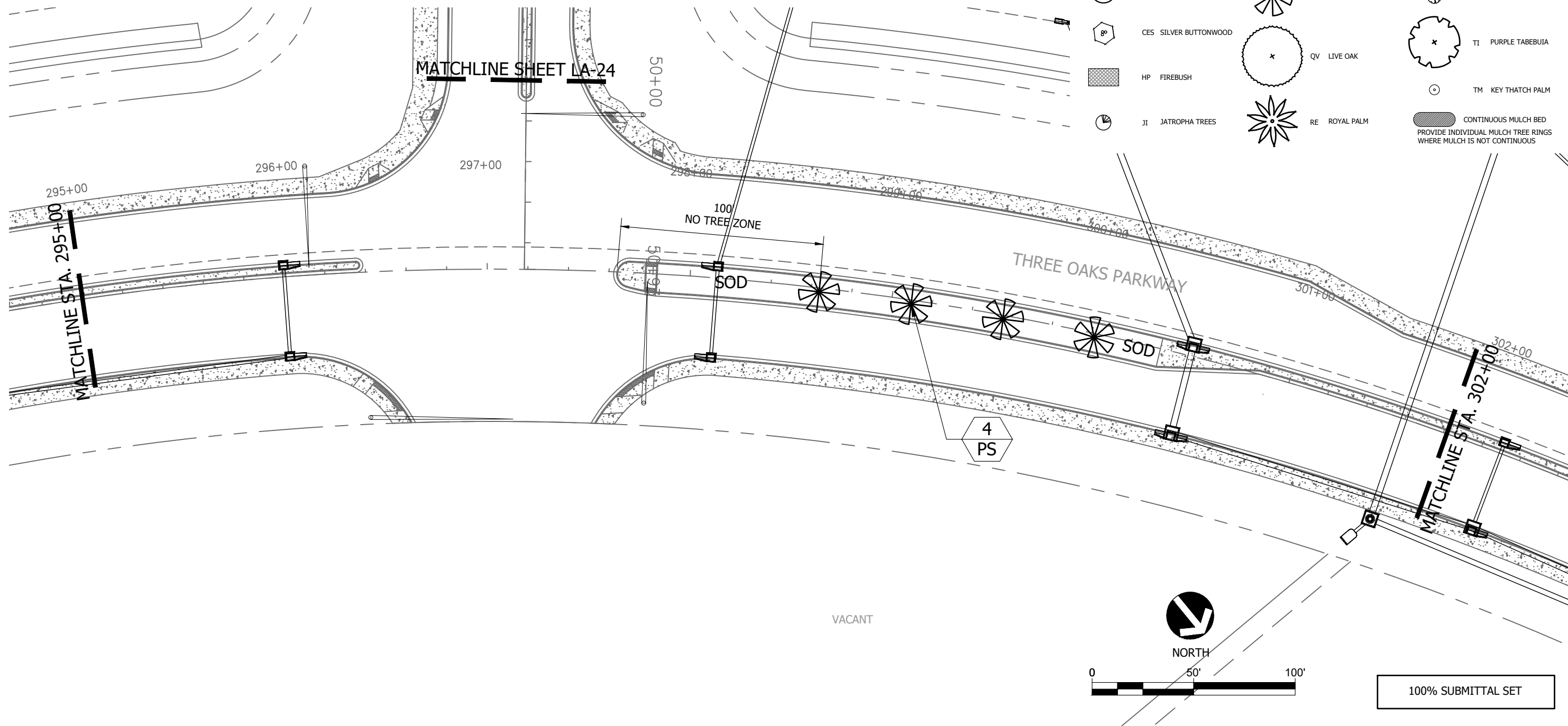
HP FIREBUSH
  - 

TI PURPLE TABEBUIA
  - 

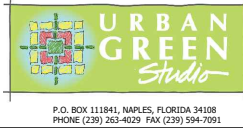
JJ JATROPHA TREES
  - 

RE ROYAL PALM
  - 

TM KEY THATCH PALM
-  CONTINUOUS MULCH BED  
 PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

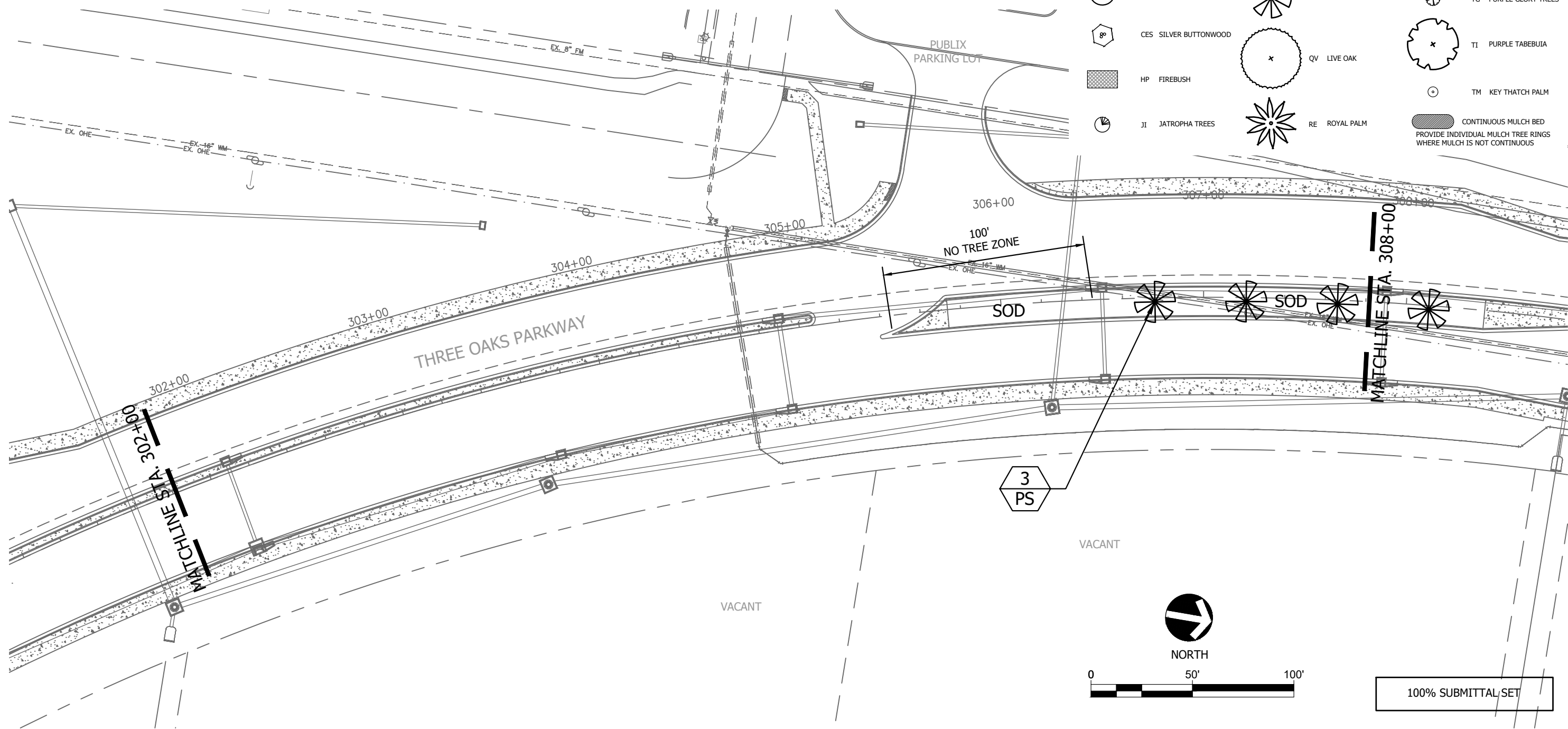
LANDSCAPE PLAN

SHEET #  
**LA-21**

DAYNA L. FENDRICK, RLA #0001224

**PLANTING LEGEND**

TREES, PALMS, & SHRUBS			
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM
	CES SILVER BUTTONWOOD		QV LIVE OAK
	HP FIREBUSH		RE ROYAL PALM
	JJ JATROPHA TREES		SP SABAL PALM
			SR SILVER SAW PALMETTO
			TG PURPLE GLORY TREES
			TI PURPLE TABEBUIA
			TM KEY THATCH PALM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

REV	DATE	DESCRIPTION

SCALE: 1" = 50'  
 DATE: SEPTEMBER 2024  
 PROJECT #:

**LANDSCAPE PLAN**

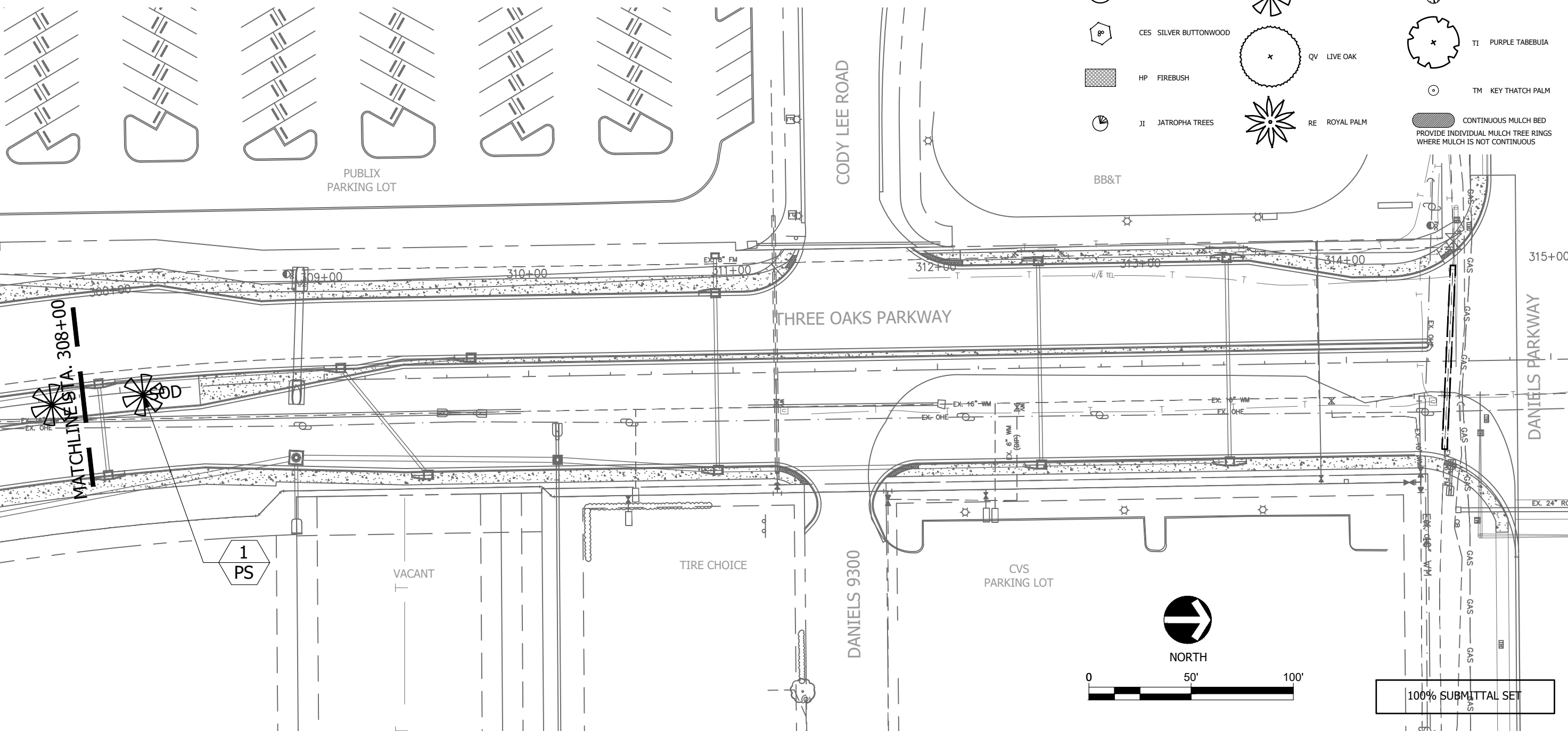
DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-22**

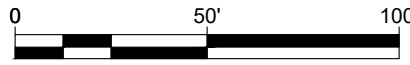
**PLANTING LEGEND**

TREES, PALMS, & SHRUBS

- |  |                             |  |                         |  |  |
|--|-----------------------------|--|-------------------------|--|--|
|  | BB BLACK OLIVE "SHADY LADY" |  | PD YELLOW POINCIANA     |  | SP SABAL PALM  |
|  | CD PIGEON PLUM              |  | PS SYLVESTRIS DATE PALM |  | SR SILVER SAW PALMETTO   |
|  | CES SILVER BUTTONWOOD       |  | QV LIVE OAK             |  | TG PURPLE GLORY TREES  |
|  | HP FIREBUSH                 |  | RE ROYAL PALM           |  | TI PURPLE TABEBUIA   |
|  | JI JATROPHA TREES           |  | TM KEY THATCH PALM      |  | CONTINUOUS MULCH BED<br>PROVIDE INDIVIDUAL MULCH TREE RINGS<br>WHERE MULCH IS NOT CONTINUOUS |



NORTH



100% SUBMITTAL SET



P.O. BOX 111841, NAPLES, FLORIDA 34108  
PHONE (239) 263-4029 FAX (239) 594-7091

IN COORDINATION WITH:



AVALON ENGINEERING, INC.  
2503 DEL PRADO BLVD. # 200  
CAPE CORAL, FL 33904

PREPARED FOR:  
LEE COUNTY  
DEPARTMENT OF  
TRANSPORTATION

THREE OAKS PARKWAY  
EXTENSION  
CONTRACT NO.: CN160642 / ANB  
LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

LANDSCAPE PLAN

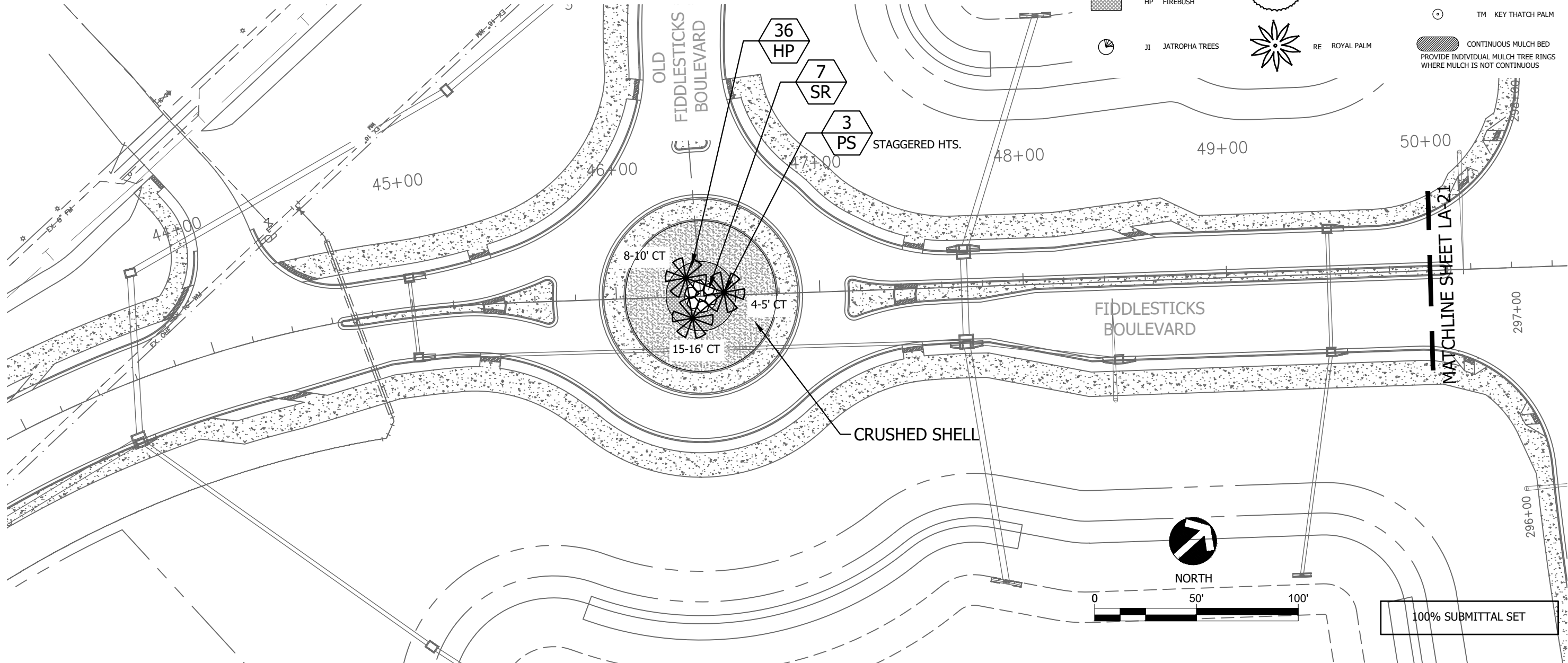
SHEET #  
LA-23

DAYNA L. FENDRICK, RLA #0001224



**PLANTING LEGEND**

TREES, PALMS, & SHRUBS			
	BB BLACK OLIVE "SHADY LADY"		PD YELLOW POINCIANA
	CD PIGEON PLUM		PS SYLVESTRIS DATE PALM
	CES SILVER BUTTONWOOD		QV LIVE OAK
	HP FIREBUSH		RE ROYAL PALM
	JI JATROPHA TREES		SP SABAL PALM
			SR SILVER SAW PALMETTO
			TG PURPLE GLORY TREES
			TI PURPLE TABEBUIA
			TM KEY THATCH PALM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

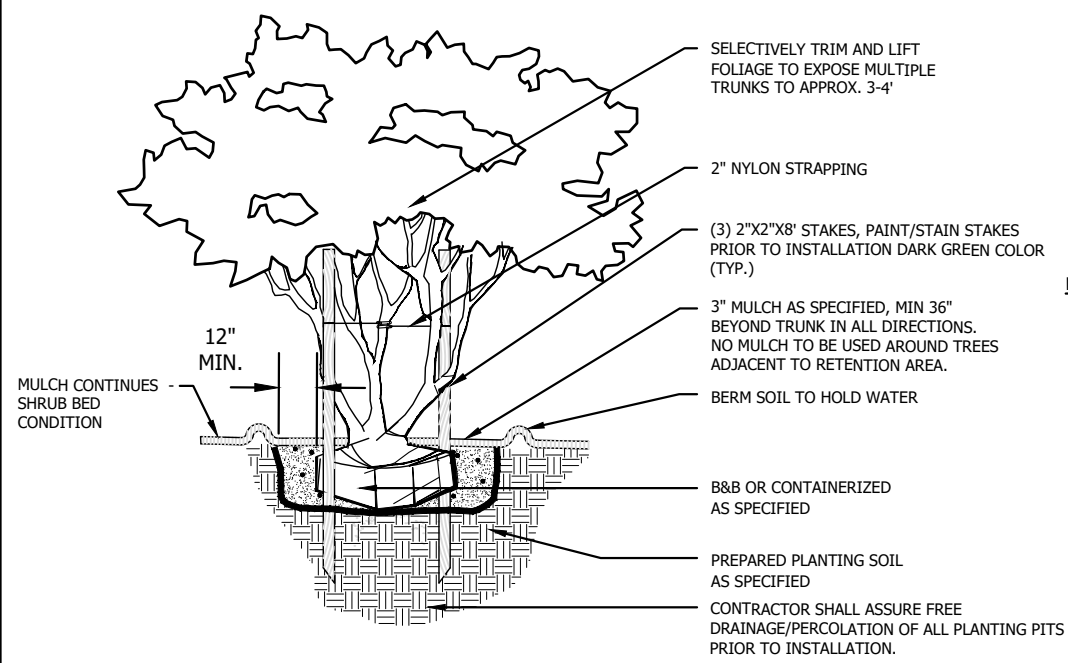
REV	DATE	DESCRIPTION

SCALE: 1" = 50'  
 DATE: SEPTEMBER 2024  
 PROJECT #:

**LANDSCAPE PLAN**

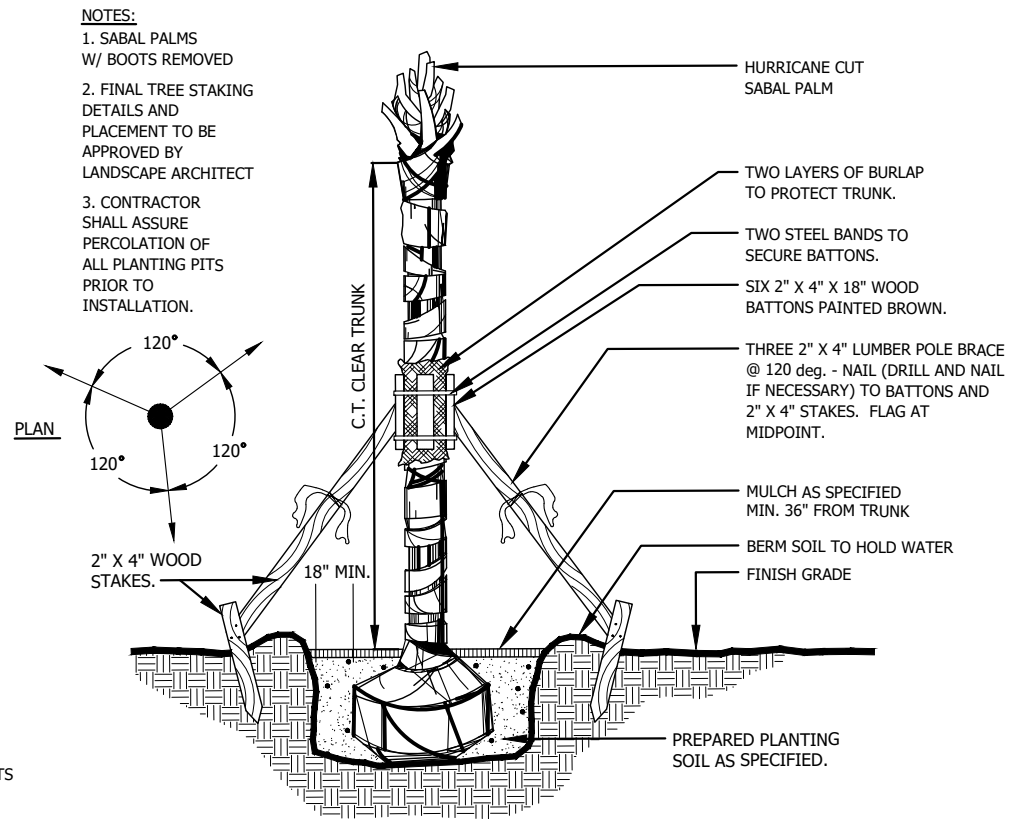
DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-24**



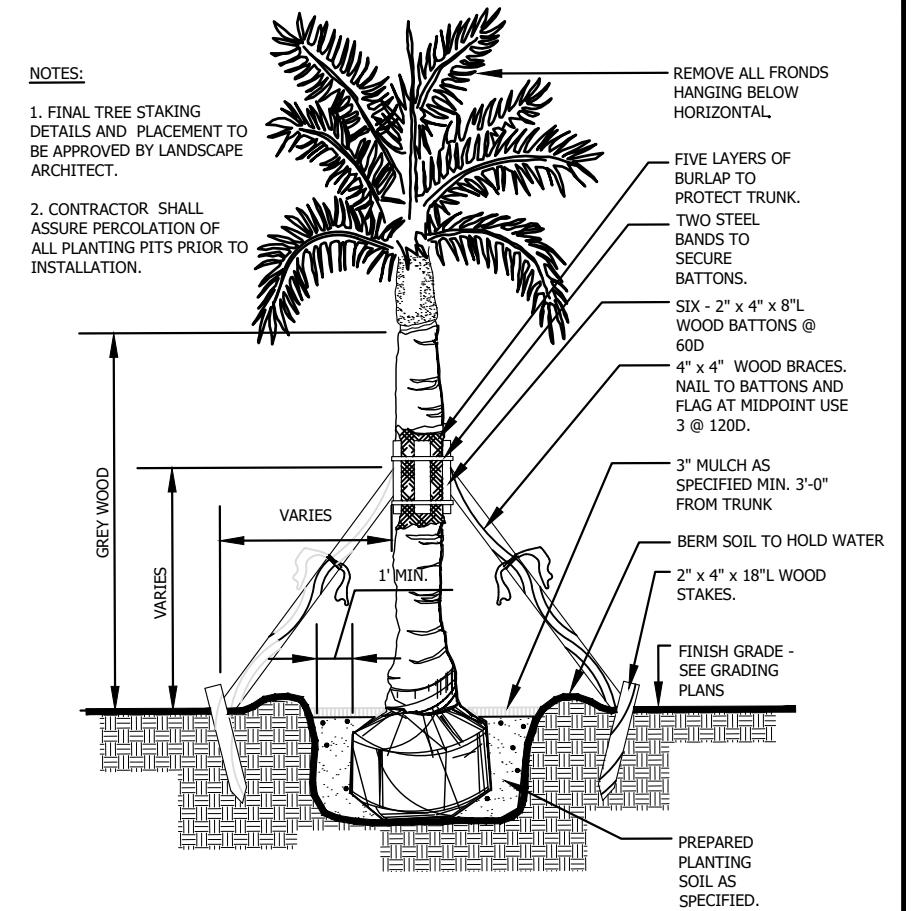
MULTI-TRUNK TREE PLANTING DETAIL

N.T.S.



SABAL PALM PLANTING DETAIL

N.T.S.




ROYAL PALM PLANTING DETAIL

N.T.S.

100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

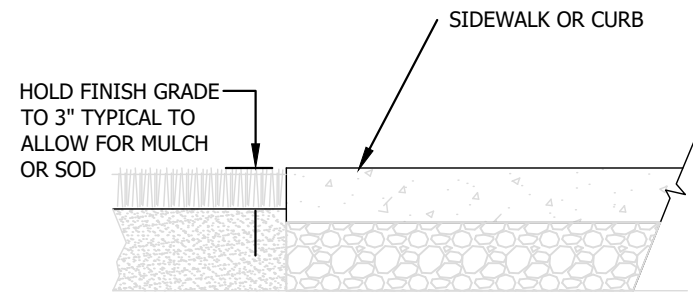
THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	
DATE:	SEPTEMBER 2024
PROJECT #:	
REV	DATE DESCRIPTION

LANDSCAPE DETAILS

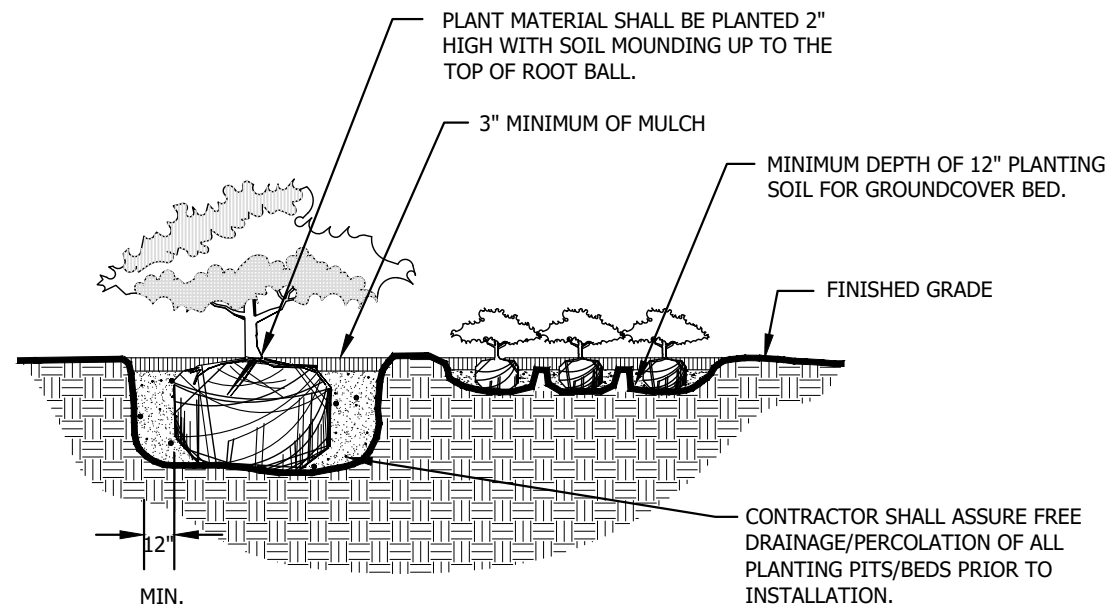
DAYNA L. FENDRICK, RLA #0001224

SHEET #  
 LA-25



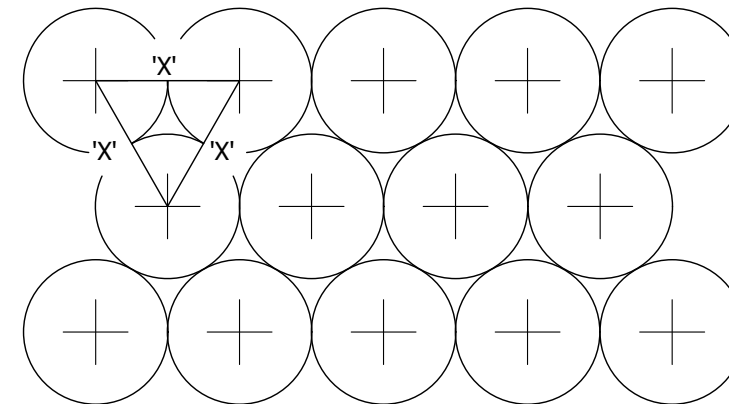
SOD / MULCH AT PAVEMENT EDGE

N.T.S.



SHRUBS AND GROUND COVER

N.T.S.



ALL SHRUBS AND GROUND COVER  
MASSES TO USE TRIANGULAR  
SPACING EXCEPT WHERE NOTED  
REFER TO PLANT LIST FOR  
INDIVIDUAL PLANT SPACING 'X'.

TYPICAL PLANT SPACING

N.T.S.

100% SUBMITTAL SET



IN COORDINATION WITH:  
  
AVALON ENGINEERING, INC.  
2503 DEL PRADO BLVD. # 200  
CAPE CORAL, FL 33904

PREPARED FOR:  
LEE COUNTY  
DEPARTMENT OF  
TRANSPORTATION

THREE OAKS PARKWAY  
EXTENSION  
CONTRACT NO.: CN160642 / ANB  
LEE COUNTY, FL

REV	DATE	DESCRIPTION

SCALE:  
DATE: SEPTEMBER 2024  
PROJECT #:

LANDSCAPE DETAILS

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-26**

# SPECIFICATIONS

## GENERAL

- PRIOR TO CONSTRUCTION, THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR CONTACTING SUNSHINE ONE (CALL 811, OR TOLL FREE 800-432-4770), LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING CONSTRUCTION. SHOULD THE LANDSCAPE CONTRACTOR CAUSE DAMAGE TO ANY UTILITIES, NECESSARY REPAIRS SHALL BE MADE AS QUICKLY AS PRACTICABLE, AT LANDSCAPE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS NOT PROVIDED FOR BY THE OWNER PRIOR TO COMMENCING ANY WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR TESTING THE pH OF THE WELL WATER PRIOR TO SOIL PREPARATION.
- THE CONTRACTOR IS RESPONSIBLE FOR KEEPING A FULL SIGNED AND SEALED PLAN SET ON SITE AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN A REDLINED COPY OF ALL FIELD ADJUSTMENTS MADE, AND PROVIDE A COPY OF THE REDLINED PLANS TO THE LANDSCAPE ARCHITECT FOR PREPARING THE AS-BUILT PLANS AT THE COMPLETION OF THE JOB.
- THE CONSTRUCTION BID PRICES FOR ITEMS THAT REQUIRE DEMOLITION AND/OR REMOVAL OF EXISTING MATERIALS SHALL INCLUDE THE COST OF DEMOLITION AND PROPER DISPOSAL OF THE EXISTING MATERIALS, SUCH AS PLANTINGS, ASPHALT, LIMESTONE, FILL DIRT, AND CONCRETE.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, IN FULL ALL PLANTING AREAS (INCLUDING WATERING, SPRAYING, MULCHING, MOWING, FERTILIZING, ETC.) UNTIL THE JOB IS ACCEPTED BY THE OWNER AND LANDSCAPE ARCHITECT.
- ALL PLANT MATERIAL SHALL BE OF FLORIDA NO. 1 OR BETTER QUALITY AT TIME OF INSTALLATION AND SHALL BE MAINTAINED IN THIS SAME CONDITION UNTIL FINAL ACCEPTANCE. DECLINE IN CONDITION OF PLANT MATERIAL DURING THE MAINTENANCE PERIOD SHALL BE GROUNDS FOR REJECTION AND REPLACEMENT.
- PRIOR TO PURCHASE AND/OR DELIVERY TO THE SITE, THE LANDSCAPE ARCHITECT AND AN OWNER'S REPRESENTATIVE WILL ACCOMPANY THE CONTRACTOR TO FIELD TAG GUMBO LIMBO TREES AND BUCCANEER PALMS. THE CONTRACTOR SHALL PREVIEW THE POTENTIAL NURSERY SOURCES AND NARROW DOWN THE SELECTION TO THE TWO OR THREE BEST QUALITY SOURCES.
- SAMPLES OF ALL PLANT AND HARDSCAPE MATERIAL TO BE SUBMITTED FOR OWNER AND/OR LANDSCAPE ARCHITECT APPROVAL PRIOR TO INSTALLATION.
- SAMPLES OF ALL PLANT AND HARDSCAPE MATERIAL TO BE SUBMITTED FOR OWNER AND/OR LANDSCAPE ARCHITECT APPROVAL PRIOR TO INSTALLATION.
- ALL QUANTITIES INDICATED ON THE PLANS ARE INTENDED AS A GUIDE FOR THE BIDDER AND DOES NOT RELIEVE THE BIDDER OF HIS RESPONSIBILITY TO DO A COMPREHENSIVE PLANT QUANTITY TAKE OFF. IN THE CASE OF A CONFLICT BETWEEN THE DRAWINGS AND THE BID FORM, THE DRAWINGS SHALL GOVERN.
- AFTER RECEIPT OF BIDS, PRICES FOR ANY QUANTITIES ADDED TO OR DELETED FROM THE BID SCHEDULE BY THE LANDSCAPE ARCHITECT WILL BE BASED ON THE UNIT PRICE SCHEDULE SUBMITTED BY CONTRACTOR.

## MAINTENANCE OF TRAFFIC CONTROL NOTES:

- THE PREPARATION OF THE TRAFFIC CONTROL PLAN FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE 2003 EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD PART VI, TRAFFIC CONTROLS FOR STREET AND HIGHWAY CONSTRUCTION), AS REVISED TO DATE. FOR GENERAL TRAFFIC CONTROL ZONE REQUIREMENTS AND ADDITIONAL INFORMATION, REFER TO THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) BOOKLET "DESIGN STANDARDS" DATED JANUARY 2006 INDEX NOS. 600 THROUGH 660, AS APPLICABLE AND PER COLLIER COUNTY M.O.T. POLICY.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PREPARATION OF THE TRAFFIC CONTROL PLAN (T.C.P.), THE COST OF WHICH SHALL BE INCLUDED IN PAY ITEM- MAINTENANCE OF TRAFFIC. THE T.C.P. SHALL BE PREPARED BY AN INDIVIDUAL WITH THE ADVANCED FDOT "WORK ZONE TRAFFIC CONTROL" CERTIFICATION. THIS PLAN SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR APPROVAL WITH THE APPLICATION FOR THE RIGHT-OF-WAY PERMIT.

## MEDIAN GRADING AND SOIL PREPARATION SPECIFICATIONS:

- (16) SOIL BORINGS HAVE BEEN PERFORMED ON SITE. THE SOILS REPORT, WHICH INDICATES pH, SOIL COMPOSITION AND PERCOLATION RATES, WILL BE MADE AVAILABLE TO BIDDERS.
- IF ANY LIMEROCK BASE MATERIAL, ROCK, OR OTHER DELETERIOUS MATERIALS ARE ENCOUNTERED DURING GRADING, IRRIGATION, OR PLANTING, THOSE MATERIALS MUST BE REMOVED AND DISPOSED OF OFF-SITE. ANY COMPACTED FILL OR SUBGRADE MUST BE PIERCED THROUGH COMPLETELY TO ALLOW FOR PERCOLATION AND DRAINAGE.
- INSTALL IRRIGATION MAIN LINES, WIRING, AND STUB UP VALVE LOCATIONS TO WITHIN EIGHT INCHES OF EXISTING SURFACE GRADE.
- SPRAY EXISTING MEDIANS WITH CONTACT HERBICIDE FOR 100% KILL OF EXISTING GRASS AS APPROVED BY LANDSCAPE ARCHITECT AND MAINTAIN MEDIANS WEED-FREE DURING INSTALLATION UNTIL FINAL ACCEPTANCE.
- CUT EXISTING SOIL BEHIND BACK OF CURBING IF REQUIRED TO PROPOSED 2" DEPTH AND SPREAD CUT INWARD TOWARD THE CENTER OF THE MEDIAN AND ROUGH GRADE PER PROFILE.
- ROTOR TILL MEDIAN TO AN 8-10" DEPTH TO WITHIN 18 INCHES OF THE BACK OF CURBING. ROTOR TILLING MEANS 6 TOTAL PASSES OF THE AREA TILLED WITH REVERSE ROTOR TYPE TILLER OR DISC PLOW.
- FINE GRADE MEDIANS TO PROPOSED PROFILES AND REMOVE ALL DEBRIS LARGER THAN 1 INCH IN DIAMETER FROM WITHIN THE TOP 4 INCHES OF THE FINISHED GRADE.
- ADD FINISHED SOIL LAYER MATERIAL AS REQUIRED TO PROVIDE FOR PROPOSED GRADES/PROFILES. MAKE ONE MORE PASS WITH ROTOR TILLER/DISC TO MIX ADDITIONAL TOPSOIL INTO EXISTING SOIL.
- TOPSOIL SHALL NOT BE EXTREMELY ACIDIC OR ALKALINE, NOR CONTAIN TOXIC SUBSTANCES WHICH MAY BE HARMFUL TO PLANT GROWTH. THE pH SHALL BE IN THE RANGE OF 6.5 TO 7.5. IF NECESSARY, THE CONTRACTOR TOPSOIL pH SHALL APPLY THE APPROPRIATE SOIL AMENDMENTS ADJUSTING SOIL pH TO ASSURE A pH RANGE OF 6.5 TO 7.5.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING TOPSOIL TESTED. REPRESENTATIVE SAMPLES ARE TO BE TESTED FOR ACIDITY, FERTILITY, AND GENERAL COMPOSITION BY A RECOGNIZED COMMERCIAL OR GOVERNMENT AGENCY. THE CONTRACTOR SHALL FURNISH ONE (1) COPY OF THE SOIL ANALYSIS AND RECOMMENDED AMENDMENTS (TO MEET THE DESIRED pH, NUTRITIONAL AND ORGANIC LEVELS DETERMINED TO BE ADEQUATE FOR THE AREA) PREPARED BY THE TESTING AGENCY, TO THE LANDSCAPE ARCHITECT PRIOR TO APPLICATION OF ANY AMENDMENTS OR FERTILIZER.
- TOPSOIL SHALL BE NATURAL, FERTILE, AGRICULTURAL SOIL CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH. IT SHALL BE OF UNIFORM COMPOSITION THROUGHOUT, WITHOUT ADMIXTURE OF SUBSOIL, CLAY, STONES, LUMPS, LIVE PLANTS AND THEIR ROOTS, STICKS, AND OTHER EXTRANEIOUS MATTER. REMOVE ALL ROCKS AND OTHER OBJECTS OVER 1 INCH IN DIAMETER.
- INSTALLATION OF SHELL TO TAKE PLACE AFTER IRRIGATION TRENCHING, GRADING & PLANTING AND MULCHING OPERATIONS. TAKE CARE TO KEEP A CLEAN SHELL SURFACE AND AVOID DIRT AND DEBRIS FROM CONTAMINATING SHELL AREA.
- INSTALL EDGING PRIOR TO MULCHING AND SHELL PLACEMENT.

## PLANTING

- ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASES. ALL PLANT MATERIAL SHALL BE IN FULL AND STRICT ACCORDANCE TO FLORIDA NO. 1 GRADE, ACCORDING TO THE "GRADES AND STANDARD FOR NURSERY PLANTS", 1998, 2ND EDITION, PUBLISHED BY FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. PLANT MATERIALS IN SOME INSTANCES EXCEED NO. 1 GRADE IN ORDER TO MEET THE MINIMUM REQUIREMENTS OF THIS PROJECT.
- ALL PLANTS NOT LISTED IN GRADES AND STANDARDS FOR NURSERY PLANTS, 1998, 2ND EDITION, SHALL CONFORM TO A FLORIDA NO. 1 AS TO: 1. HEALTH AND VITALITY; 2. CONDITION OF FOLIAGE; 3. ROOT SYSTEM; 4. FREEDOM FROM PEST OR MECHANICAL DAMAGE; 5. HEAVILY BRANCHED AND DENSELY FOLIATED ACCORDING TO THE ACCEPTED NORMAL SHAPE OF THE SPECIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTS MEETING SPECIFICATION AS NOTED PRIOR TO INSTALLATION. CONTRACTOR SHALL IMMEDIATELY REMOVE ALL PLANT MATERIAL THAT DOES NOT CONFORM TO SPECIFICATIONS.
- ALL ROOTBALLS SHALL CONFORM TO THE SIZE STANDARDS SET FORTH IN "AMERICAN STANDARDS FOR NURSERY STOCK".
- ALL PLANT MATERIAL SHALL BE PROTECTED DURING TRANSPORT AND DELIVERY TO JOB SITE WITH SHADE CLOTH OR OTHER ACCEPTABLE MEANS OF WINDBURN PREVENTION.
- CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION PRIOR TO INITIATING PLANTING INSTALLATION. ALL EXISTING PLANTING SHALL REMAIN INTACT AND UNDISTURBED UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL TREES MUST BE STRAIGHT TRUNKED, FULL HEADED, AND MEET ALL REQUIREMENTS SPECIFIED.
- ANY SUBSTITUTIONS IN SIZE AND/OR PLANT MATERIAL MUST BE APPROVED BY THE LANDSCAPE ARCHITECT AND OWNER. ALL PLANTS WILL BE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT BEFORE PLANTING CAN BEGIN.
- THE CONTRACTOR SHALL FIELD STAKE THE LOCATION OF ALL PLANT MATERIAL AND BEDLINES PRIOR TO INITIATING INSTALLATION FOR THE REVIEW AND APPROVAL OF THE LANDSCAPE ARCHITECT.
- TYPICALLY, SHRUB AND GROUNDCOVER PLANTINGS ARE SHOWN AS MASS PLANTING BEDS. PLANTS SHALL BE PLACED ON A TRIANGULAR SPACING CONFIGURATION (STAGGERED SPACING) AS SHOWN IN THE PLANTING DETAILS. PLANT CENTER TO CENTER DIMENSIONS (O.C.) ARE LISTED ON THE PLANT LIST.
- INSTALLATION - ALL PLANT MATERIAL SHALL BE INSTALLED IN A SOUND, WORKMANLIKE MANNER AND ACCORDING TO ACCEPTED GOOD PLANTING PROCEDURES WITH THE QUALITY OF PLANT MATERIALS AS HEREINAFTER DESCRIBED. ALL ELEMENTS OF LANDSCAPING SHALL BE INSTALLED SO AS TO MEET ALL APPLICABLE ORDINANCES AND CODE REQUIREMENTS.
- CONTRACTOR SHALL ASSURE DRAINAGE AND PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION OF PLANT MATERIAL. CONTRACTOR SHALL FILL ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE THAT PROPER DRAINAGE AND PERCOLATION IS AVAILABLE. CORRECT IF REQUIRED TO ASSURE PERCOLATION. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ALL PLANTS LOST DUE TO INADEQUATE DRAINAGE CONDITIONS.
- TREES GROWN IN GROW BAGS OR GROW BAG TYPE MATERIAL MUST HAVE THE GROW BAG REMOVED ENTIRELY PRIOR TO PLANTING.
- BALLED AND BURLAPPED MATERIAL SHALL HAVE THE TOP ONE HALF (1/2) OF THE BURLAP AROUND THE BASE OF THE TRUNK CUT AND PULLED BACK. DO NOT REMOVE BURLAP. WIRE CAGES, STRAPS, ETC. MUST BE CUT AND REMOVED PRIOR TO INSTALLATION. ALL PLASTIC WRAPPING SHALL BE REMOVED PRIOR TO INSTALLATION.
- CONTRACTOR TO REPLACE REJECTED PLANT MATERIAL WITHIN ONE (1) WEEK OF NOTICE FROM THE OWNER OR LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, PLANTS LIST, GENERAL NOTES AND THE PLANTING SPECIFICATIONS FOR COMPLETE LANDSCAPE PLANTING INSTRUCTIONS.
- FERTILIZATION  
PALMS 8-2-12 PLUS MINOR ELEMENTS - SLOW RELEASE 1/2 LB FERTILIZER PER 1/2 INCH CALIPER. SUPPLEMENT WITH SOPO-MAG MICRONUTRIENTS. APPLY GRANULAR SULPHUR AT THE RECOMMENDED APPLICATION RATES.  
SHRUBS AND GROUNDCOVERS 8-10-10 PLUS MINOR ELEMENTS - SLOW RELEASE 1/2 LB FERTILIZER PER 100 FT2  
TREES 8-6-6 PLUS MINOR ELEMENTS - SLOW RELEASE 1/2 LB FERTILIZER PER 1/2 INCH CALIPER  
TURF 16-4-8 PLUS MINOR ELEMENTS - SLOW RELEASE 1 LB FERTILIZER PER 1000 FT2  
 \* THE COST FOR LANDSCAPE FERTILIZER AS DESCRIBED ABOVE SHALL BE INCLUDED IN THE PER PLANT PRICE.
- GUYING / STAKING PRACTICES SHALL NOT PERMIT NAILS, SCREWS, WIRES ETC., TO PENETRATE OUTER SURFACE OF TREE OR PALM. TREES OR PALMS REJECTED DUE TO THIS PRACTICE SHALL BE REPLACED.
- CONTRACTOR SHALL MULCH ALL PLANT MATERIAL THROUGHOUT AND COMPLETELY TO A THREE (3) INCH WATERED-IN DEPTH WITH CLEAN, WEED FREE MULCH AS SPECIFIED.

## SOIL AMENDMENTS / BACKFILL MIX

- CONTRACTOR TO APPLY "RONSTAR" OR APPROVED PRE-EMERGENT HERBICIDE IN ACCORDANCE WITH MANUFACTURER'S RATE AND SPECIFICATIONS.
- PLANTING SOIL MIX FOR TREES, SHRUBS, AND GROUNDCOVERS SHALL CONSIST OF A THOROUGHLY BLENDED MIXTURE OF:  
 50% TOPSOIL / EXISTING SOIL IF ACCEPTABLE  
 50% COMPOSTED SOIL AMENDMENTS, WHICH SHALL CONSIST OF PEAT, COMPOSTED PINE BARK AND HARDWOOD FINES  
 PROVIDE THE FOLLOWING AMOUNT OF COMPOSTED SOIL AMENDMENTS PER PLANT:  
 -13 CF / LARGE TREE (>16")  
 -9 CF / MEDIUM TREE OR PALM (10-16")  
 -6 CF / SMALL TREE OR PALM (<10")  
 -1 CF / 3 GAL SHRUB OR LARGER  
 -5 CF / 1 GAL GROUNDCOVER  
 -6" DEPTH ALL ANNUAL BEDS
- COMPOST MIX SHALL BE FREE OF DELETERIOUS MATERIALS THAT WOULD BE HARMFUL TO PLANT GROWTH, SHALL BE FREE OF NEMATODES, SHALL BE OF UNIFORM QUALITY AND SHALL HAVE A PH VALUE BETWEEN 6.5 AND 7.0 (AS DETERMINED IN ACCORDANCE WITH ASTM E70). FLORIDA PEAT SHALL BE STERILIZED TO MAKE FREE OF ALL VIABLE NUT GRASS AND OTHER UNDESIRABLE WEEDS.

## PROJECT COMPLETION AND WARRANTY

- COMPLETION OF THE WORK SHALL MEAN THE FULL AND EXACT COMPLIANCE AND CONFORMITY WITH THE PROVISIONS EXPRESSED OR IMPLIED IN THE DRAWINGS AND SPECIFICATIONS, AND ASSOCIATED CHANGE ORDERS.
- SUBSTANTIAL COMPLETION: UPON NOTIFICATION BY THE CONTRACTOR THAT THE INSTALLATION IS COMPLETE, THE LANDSCAPE ARCHITECT WILL PERFORM A SUBSTANTIAL COMPLETION SITE OBSERVATION TO DETERMINE IF THE CONTRACTOR HAS COMPLETED THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. IF FINAL ACCEPTANCE IS NOT GIVEN, THE LANDSCAPE ARCHITECT WILL PREPARE A "PUNCH LIST." THE NOTIFICATION BY THE CONTRACTOR MUST BE MADE AT LEAST THREE (3) WORKING DAYS BEFORE THE ANTICIPATED SUBSTANTIAL COMPLETION SITE OBSERVATION.
- FINAL ACCEPTANCE: UPON NOTIFICATION BY THE CONTRACTOR THAT ALL DEFECTS HAVE BEEN CORRECTED, THE LANDSCAPE ARCHITECT WILL PERFORM A FINAL SITE OBSERVATION. FINAL ACCEPTANCE WILL BE GIVEN UPON SATISFACTORY COMPLETION OF ALL WORK, INCLUDING "PUNCH LIST" ITEMS. THE NOTIFICATION BY CONTRACTOR MUST BE MADE AT LEAST THREE (3) WORKING DAYS BEFORE THE ANTICIPATED FINAL SITE OBSERVATION.
- CONTRACTOR TO GUARANTEE PLANT MATERIAL FOR A 12 MONTH PERIOD. THE CONTRACTOR SHALL VISIT THE SITE ONCE A MONTH TO REVIEW THE STATUS OF MAINTENANCE BY THE OWNER AND ADVISE IN WRITING ANY ACTIVITIES OR DISCREPANCIES THAT ARE POTENTIALLY DETRIMENTAL TO THE LANDSCAPE INSTALLATION OR MAY VOID WARRANTY.
- LANDSCAPE WHICH WAS INSTALLED IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS AND IS DAMAGED OR DESTROYED THROUGH VANDALISM, THEFT, OR TRAFFIC, SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE THROUGH THE CONSTRUCTION PERIOD AND UNTIL FINAL ACCEPTANCE.
- AFTER FINAL ACCEPTANCE BY THE LANDSCAPE ARCHITECT, THE OWNER SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE LANDSCAPING. IT SHALL BE UNDERSTOOD THAT IN ACCORDANCE WITH THE TERMS OF THE WARRANTY THAT THE CONTRACTOR MUST PROMPTLY INFORM THE OWNER IF PROPER MAINTENANCE IS NOT BEING GIVEN TO THE INSTALLATION. INSPECTIONS BY CONTRACTOR OF THE JOB SHALL BE MADE DURING THE WARRANTY PERIOD TO DETERMINE IF PROPER MAINTENANCE IS BEING GIVEN.
- AT THE END OF THE ONE YEAR WARRANTY PERIOD, INSPECTIONS SHALL BE MADE JOINTLY BY THE OWNER, LANDSCAPE ARCHITECT AND CONTRACTOR. ALL PLANTS NOT IN A HEALTHY GROWING CONDITION SHALL BE REMOVED AND REPLACED WITH PLANTS OF A LIKE KIND AND SIZE, EXCEPT FOR DEFECTS RESULTING FROM NEGLIGENCE BY OWNER, ABUSE OR DAMAGE BY OTHERS, OR UNUSUAL PHENOMENA OR INCIDENTS WHICH ARE BEYOND CONTRACTOR'S CONTROL.
- ALL REPLACEMENT STOCK SHALL BE SUBJECT TO THE SAME WARRANTY REQUIREMENTS AS THE ORIGINAL STOCK, PERIOD TO BEGIN UPON ACCEPTANCE OF THE REPLACEMENT BY THE LANDSCAPE ARCHITECT. ANY DAMAGE DUE TO REPLACEMENT OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR.

100% SUBMITTAL SET



P.O. BOX 111841, NAPLES, FLORIDA 34108  
PHONE (239) 263-4029 FAX (239) 594-7091

IN COORDINATION WITH:



AVALON ENGINEERING, INC.  
2503 DEL PRADO BLVD. # 200  
CAPE CORAL, FL 33904

PREPARED FOR:  
LEE COUNTY  
DEPARTMENT OF  
TRANSPORTATION

THREE OAKS PARKWAY  
EXTENSION  
CONTRACT NO.: CN160642 / ANB  
LEE COUNTY, FL

REV	DATE	DESCRIPTION

SCALE:  
DATE: SEPTEMBER 2024  
PROJECT #:

LANDSCAPE  
SPECIFICATIONS

SHEET #  
LA-27

DAYNA L. FENDRICK, RLA #0001224

# PLANT & MATERIALS SCHEDULE / TABULATION OF QUANTITIES

FINAL DESIGN - 100%

KEY	BOTANICAL NAME	COMMON NAME	SIZE/SPECIFICATION	NATIVE	UNIT	TOTAL QUANTITY	QUANTITIES BY SHEET NUMBER																								
							KEY	LA-1	LA-2	LA-3	LA-4	LA-5	LA-6	LA-7	LA-8	LA-9	LA-10	LA-11	LA-12	LA-13	LA-14	LA-15	LA-16	LA-17	LA-18	LA-19	LA-20	LA-21	LA-22	LA-23	LA-24
<b>CANOPY TREES &amp; LARGE PALMS</b>																															
BB	Bucida buceras "Shady Lady"	Black Olive "Shady Lady"	8-10' ht, 4' spr, 1-1/2" cal, 4' ct	Yes *	EA	49	BB			13					7	10					3	14	2								
QV	Quercus virginiana	Live Oak	8-10' ht, 4' spr, 1-1/2" cal, 4' ct	Yes *	EA	32	QV				5	10					5	12													
PS	Phoenix sylvestris	Sylvester Date Palm	4-5' ct, full head, heavy trunk, diamond cut, certified pest-free	No *	EA	1	PS																					1			
PS	Phoenix sylvestris	Sylvester Date Palm	8-10' ct, full head, heavy trunk, diamond cut, certified pest-free	No *	EA	23	PS	6																		7	4	4	1	1	
PS	Phoenix sylvestris	Sylvester Date Palm	15-16' ct, full head, heavy trunk, diamond cut, certified pest-free	No *	EA	1	PS																						1		
RE	Roystonea elata	Royal Palm	5-6' gw, full head, heavy trunk	Yes *	EA	54	RE						16	2			15	3		12	6										
SP	Sabal palmetto	Cabbage Palm	15'-25' oa ht, staggered heights, clean trunks	Yes *	EA	149	SP	18	28		22	12										9	39	21							
<b>TOTAL CANOPY TREES &amp; LARGE PALMS</b>						<b>309</b>		<b>24</b>	<b>28</b>	<b>13</b>	<b>22</b>	<b>17</b>	<b>10</b>	<b>16</b>	<b>9</b>	<b>10</b>	<b>15</b>	<b>8</b>	<b>12</b>	<b>12</b>	<b>9</b>	<b>14</b>	<b>11</b>	<b>39</b>	<b>21</b>	<b>0</b>	<b>7</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>3</b>
235																															
<b>FLOWERING TREES &amp; UNDERSTORY ACCENTS</b>																															
CES	Conocarpus erectus "sericeus"	Silver Buttonwood	25 gal, 6-8' ht, multi-stem treeform, full	Yes *	EA	42	CES	3	6		3	3										1	11	6	9						
CD	Coccoloba diversifolia	Pigeon Plum	25 gal, 8-10' ht, 1-1/2" cal, 4' ct, full	Yes *	EA	36	CD	3	7		5											7	5	9							
JI	Jatropha integerrima	Jatropha	25 gal, 6-8' ht, multi-stem, full	No	EA	54	JI						14	4			18			12	6										
PD	Peltophorum dubium	Yellow Poinciana	8-10' ht, 4' spr, 1-1/2" cal, 4' ct	No *	EA	25	PD				7	5						7	1	5											
TI	Tabebuia impetiginosa	Purple Tabebuia	8-10' ht, 4' spr, 1-1/2" cal, 4' ct	No *	EA	38	TI		4	1	5			7	6	1					7	7									
TG	Tibouchina granulosa	Purple Glory Tree	25 gal, 6-7' ht, standard, full	No	EA	54	TG						18				12	6		12	6										
TM	Thrinax morrisii	Key Thatch Palm (silver)	25 gal, 4-5' ht, 3' spr, dbl trunk, full	Yes	EA	130	TM	16	24		19	11										8	34	18							
<b>TOTAL FLOWERING TREES &amp; UNDERSTORY ACCENTS</b>						<b>379</b>		<b>22</b>	<b>41</b>	<b>1</b>	<b>32</b>	<b>21</b>	<b>5</b>	<b>32</b>	<b>11</b>	<b>6</b>	<b>31</b>	<b>13</b>	<b>1</b>	<b>29</b>	<b>19</b>	<b>0</b>	<b>23</b>	<b>50</b>	<b>33</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>* TOTAL COUNTED AS CANOPY TREES</b>						<b>450</b>																									
<b>NATIVE TREES/PALMS</b>						<b>80%</b>																									
<b>SHRUBS</b>																															
HP	Hamelia patens "compacta"	Compact Firebush	3 gal, 18" ht x 18" spr, full, 4' o.c.	No	EA	36	HP																							36	
SR	Serenoa repens "Cinerea"	Silver Saw Palmetto	7 gal, 30" ht x 30" spr, full, 5' o.c.	Yes	EA	7	SR																							7	
<b>TOTAL SHRUBS</b>						<b>43</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	
<b>MISCELLANEOUS</b>																															
SOD	Paspalum notatum	Bahia Sod	Solid sod, free of weeds & pests, sand-grown, laid & rolled.	N/A	SQ FT	200,200	SOD																								
SOIL	Soil Amendments	OrganicLee Soil Amendment	Provide soil amendments at the rate of 6 cu. Ft. per tree when backfilling.	N/A	CU YD	155	SOIL																								
SHELL	Crushed Shell	Crushed Shell, 1/2" minus, washed	Provide 4" compacted depth, over grey Mirafi weed filter cloth 3,518 sf	N/A	CU YD	65	SHELL																								
MULCH	Pine Bark Nuggets	Pine Bark Nuggets	3" depth, all planting bed areas and tree rings. 2 CF bags. 26,250 sf beds, 9,210 sf tree rings	N/A	BAGS	4432	MULCH																								

100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:		
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

## PLANT SCHEDULE

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**LA-28**

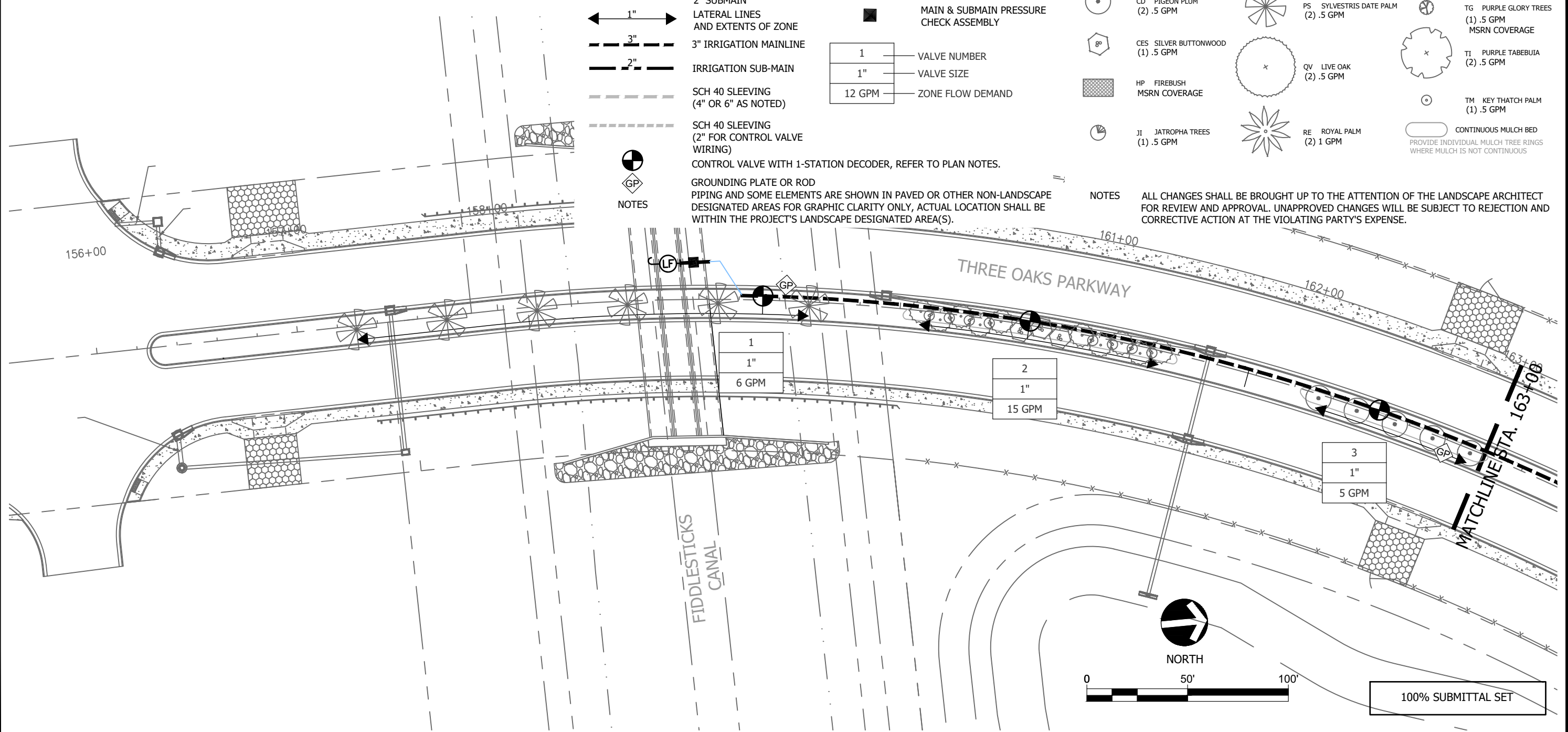
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PS	PUMP STATION	LFH	MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
C	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.	LF	BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
Valve Symbol	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN	■	MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
1" Arrow	LATERAL LINES AND EXTENTS OF ZONE	1	VALVE NUMBER
3" Dashed	3" IRRIGATION MAINLINE	1"	VALVE SIZE
2" Dashed	IRRIGATION SUB-MAIN	12 GPM	ZONE FLOW DEMAND
4" Dashed	SCH 40 SLEEVING (4" OR 6" AS NOTED)		
2" Dashed	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
Control Valve Symbol	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
GP	GROUNDING PLATE OR ROD		
Notes	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
BB	BLACK OLIVE "SHADY LADY" (2) .5 GPM	PD	YELLOW POINCIANA (2) .5 GPM
CD	PIGEON PLUM (2) .5 GPM	PS	SYLVESTRIS DATE PALM (2) .5 GPM
CES	SILVER BUTTWOOD (1) .5 GPM	QV	LIVE OAK (2) .5 GPM
HP	FIREBUSH MSRN COVERAGE	RE	ROYAL PALM (2) 1 GPM
JT	JATROPHA TREES (1) .5 GPM	SP	SABAL PALM (2) .5 GPM
		SR	SILVER SAW PALMETTO MSRN COVERAGE
		TG	PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
		TI	PURPLE TABEBUIA (2) .5 GPM
		TM	KEY THATCH PALM (1) .5 GPM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS

**NOTES** ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

SHEET #  
**IR-1**

DAYNA L. FENDRICK, RLA #0001224

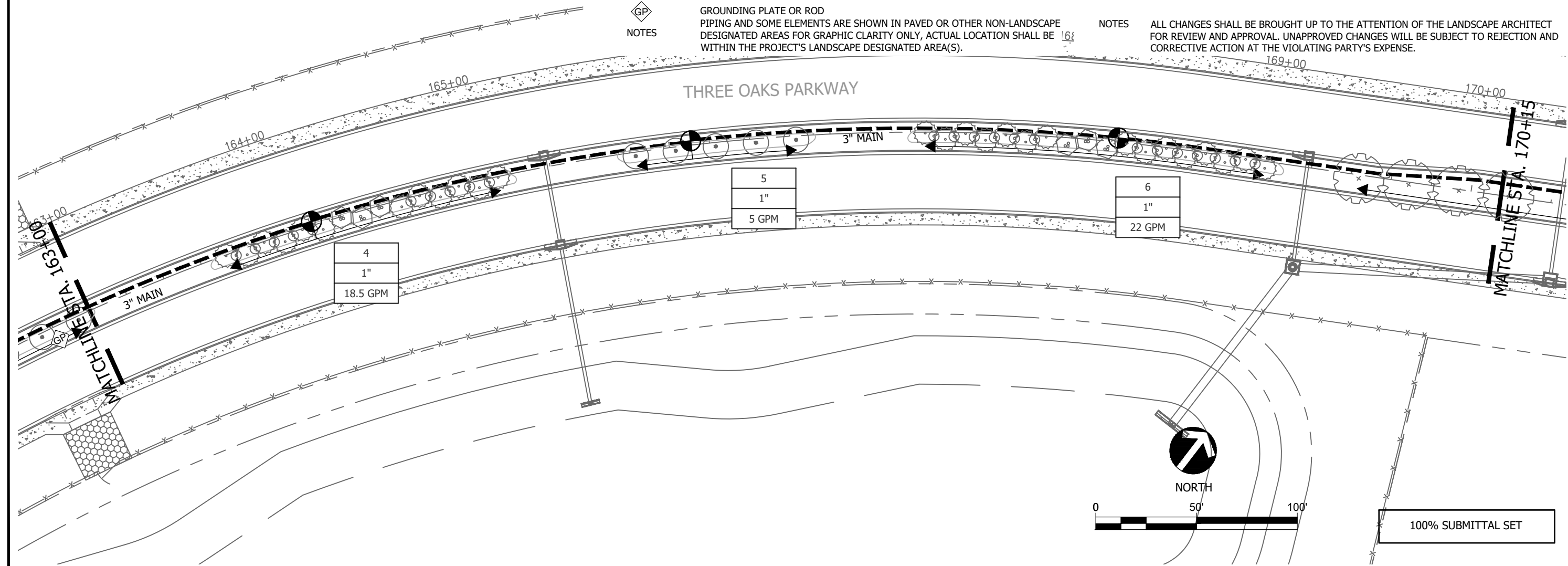
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PS	PUMP STATION	LFH	MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
C	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.	LFH	BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
Valve Symbol	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN	Valve Box	MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
1" Arrow	LATERAL LINES AND EXTENTS OF ZONE	1	VALVE NUMBER
3" Dashed	3" IRRIGATION MAINLINE	1"	VALVE SIZE
2" Dashed	IRRIGATION SUB-MAIN	12 GPM	ZONE FLOW DEMAND
4" Dashed	SCH 40 SLEEVING (4" OR 6" AS NOTED)		
2" Dashed	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
Control Valve Symbol	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
GP	GROUNDING PLATE OR ROD		
Notes	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
BB	BLACK OLIVE "SHADY LADY" (2) .5 GPM	PD	YELLOW POINCIANA (2) .5 GPM
CD	PIGEON PLUM (2) .5 GPM	PS	SYLVESTRIS DATE PALM (2) .5 GPM
CES	SILVER BUTTWOOD (1) .5 GPM	QV	LIVE OAK (2) .5 GPM
HP	FIREBUSH MSRN COVERAGE	RE	ROYAL PALM (2) 1 GPM
JT	JATROPHA TREES (1) .5 GPM	SP	SABAL PALM (2) .5 GPM
		SR	SILVER SAW PALMETTO MSRN COVERAGE
		TG	PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
		TI	PURPLE TABEBUIA (2) .5 GPM
		TM	KEY THATCH PALM (1) .5 GPM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS

NOTES ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**IR-2**

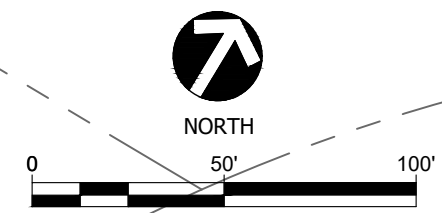
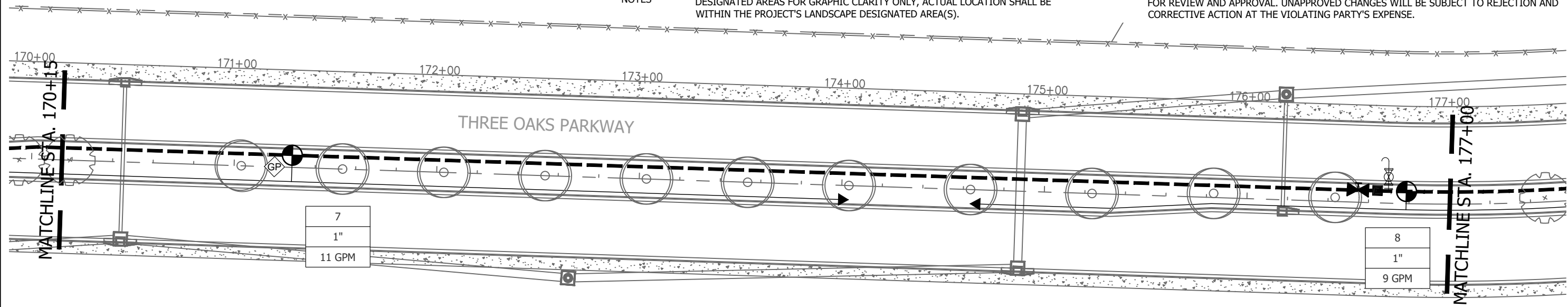
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PS	PUMP STATION	LFH	MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
C	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.	LFH	BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
Valve Symbol	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN	Valve Symbol	MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
1" Arrow	LATERAL LINES AND EXTENTS OF ZONE	Valve Box	1 VALVE NUMBER
3" Dashed	3" IRRIGATION MAINLINE	Valve Box	1" VALVE SIZE
2" Dashed	IRRIGATION SUB-MAIN	Valve Box	12 GPM ZONE FLOW DEMAND
4" Dashed	SCH 40 SLEEVING (4" OR 6" AS NOTED)		
2" Dashed	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
Control Valve Symbol	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
GP	GROUNDING PLATE OR ROD		
Notes	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
BB	BLACK OLIVE "SHADY LADY" (2) .5 GPM	PD	YELLOW POINCIANA (2) .5 GPM
CD	PIGEON PLUM (2) .5 GPM	PS	SYLVESTRIS DATE PALM (2) .5 GPM
CES	SILVER BUTTWOOD (1) .5 GPM	QV	LIVE OAK (2) .5 GPM
HP	FIREBUSH MSRN COVERAGE	RE	ROYAL PALM (2) 1 GPM
JT	JATROPHA TREES (1) .5 GPM	SP	SABAL PALM (2) .5 GPM
		SR	SILVER SAW PALMETTO MSRN COVERAGE
		TG	PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
		TI	PURPLE TABEBUIA (2) .5 GPM
		TM	KEY THATCH PALM (1) .5 GPM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS

NOTES ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

SHEET #  
**IR-3**

DAYNA L. FENDRICK, RLA #0001224



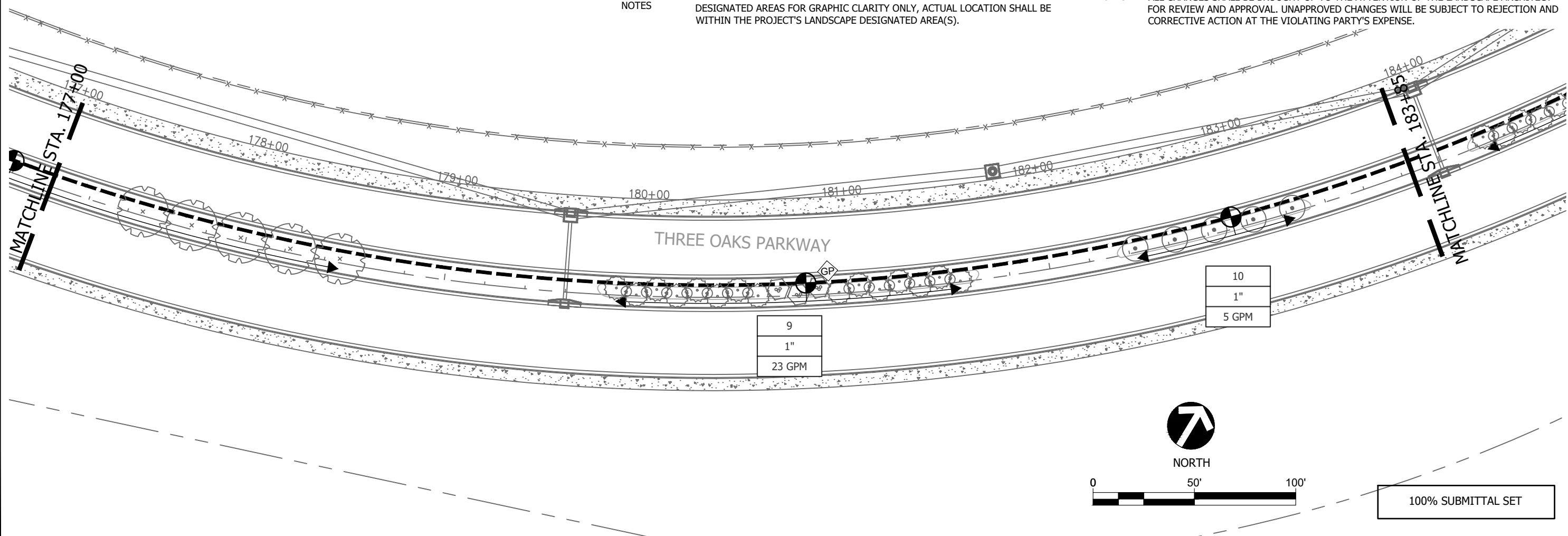
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PS	PUMP STATION	LFH	MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
C	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.	LFH	BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
Valve Symbol	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN	Valve Symbol	MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
1" Arrow	LATERAL LINES AND EXTENTS OF ZONE	Valve Box	1 VALVE NUMBER
3" Dashed	3" IRRIGATION MAINLINE	Valve Box	1" VALVE SIZE
2" Dashed	IRRIGATION SUB-MAIN	Valve Box	12 GPM ZONE FLOW DEMAND
4" Dashed	SCH 40 SLEEVING (4" OR 6" AS NOTED)		
2" Dashed	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
Control Valve Symbol	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
GP	GROUNDING PLATE OR ROD		
NOTES	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
BB	BLACK OLIVE "SHADY LADY" (2) .5 GPM	PD	YELLOW POINCIANA (2) .5 GPM
CD	PIGEON PLUM (2) .5 GPM	PS	SYLVESTRIS DATE PALM (2) .5 GPM
CES	SILVER BUTTWOOD (1) .5 GPM	QV	LIVE OAK (2) .5 GPM
HP	FIREBUSH MSRN COVERAGE	RE	ROYAL PALM (2) 1 GPM
JT	JATROPHA TREES (1) .5 GPM	SP	SABAL PALM (2) .5 GPM
		SR	SILVER SAW PALMETTO MSRN COVERAGE
		TG	PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
		TI	PURPLE TABEBUIA (2) .5 GPM
		TM	KEY THATCH PALM (1) .5 GPM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS

NOTES ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**IR-4**

100% SUBMITTAL SET

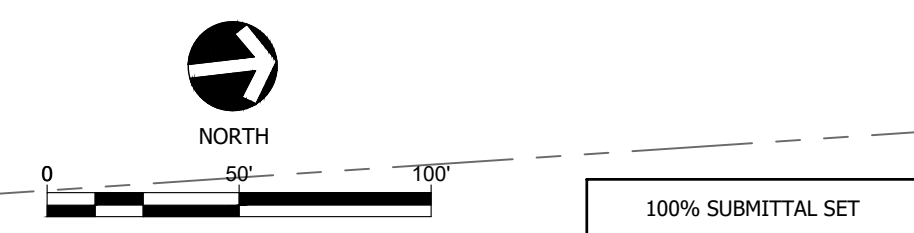
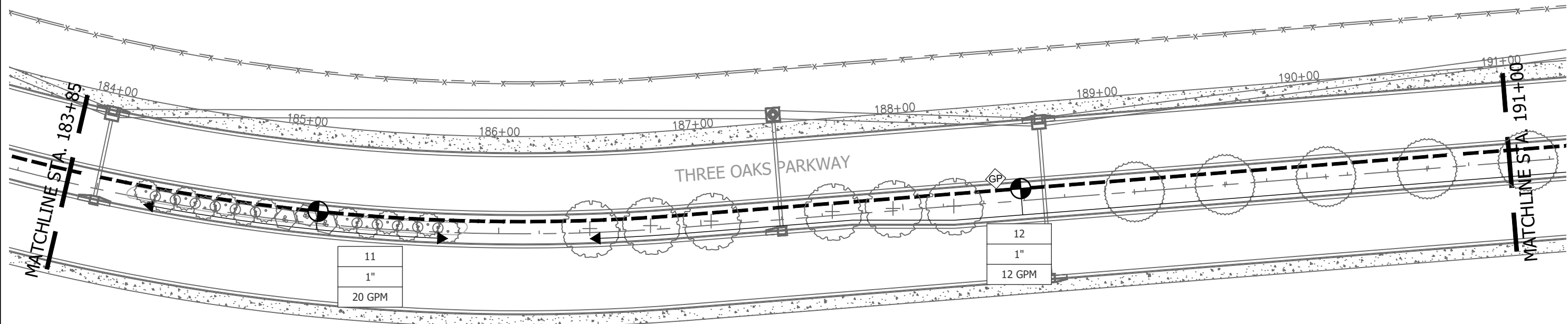
### IRRIGATION LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION						
	PUMP STATION		MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY						
	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.		BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.						
	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN		MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY						
	LATERAL LINES AND EXTENTS OF ZONE	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>1</td><td>VALVE NUMBER</td></tr> <tr><td>1"</td><td>VALVE SIZE</td></tr> <tr><td>12 GPM</td><td>ZONE FLOW DEMAND</td></tr> </table>	1	VALVE NUMBER	1"	VALVE SIZE	12 GPM	ZONE FLOW DEMAND	
1	VALVE NUMBER								
1"	VALVE SIZE								
12 GPM	ZONE FLOW DEMAND								
	3" IRRIGATION MAINLINE								
	IRRIGATION SUB-MAIN								
	SCH 40 SLEEVING (4" OR 6" AS NOTED)								
	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)								
	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.								
	GROUNDING PLATE OR ROD								
NOTES	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).								

### PLANTING LEGEND

BUBBLER REFERENCE LEGEND			
	BB BLACK OLIVE "SHADY LADY" (2) .5 GPM		PD YELLOW POINCIANA (2) .5 GPM
	CD PIGEON PLUM (2) .5 GPM		PS SYLVESTRIS DATE PALM (2) .5 GPM
	CES SILVER BUTTWOOD (1) .5 GPM		QV LIVE OAK (2) .5 GPM
	HP FIREBUSH MSRN COVERAGE		JI JATROPHA TREES (1) .5 GPM
	RE ROYAL PALM (2) 1 GPM		SP SABAL PALM (2) .5 GPM
	SR SILVER SAW PALMETTO MSRN COVERAGE		TG PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
	TI PURPLE TABEBUIA (2) .5 GPM		TM KEY THATCH PALM (1) .5 GPM
	CONTINUOUS MULCH BED	PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS	

NOTES ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

## IRRIGATION PLAN

SHEET #  
**IR-5**

DAYNA L. FENDRICK, RLA #0001224

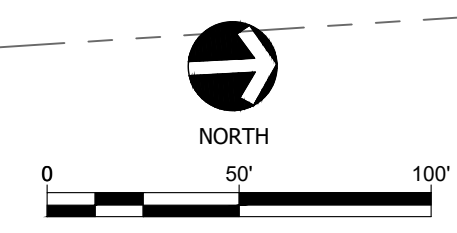
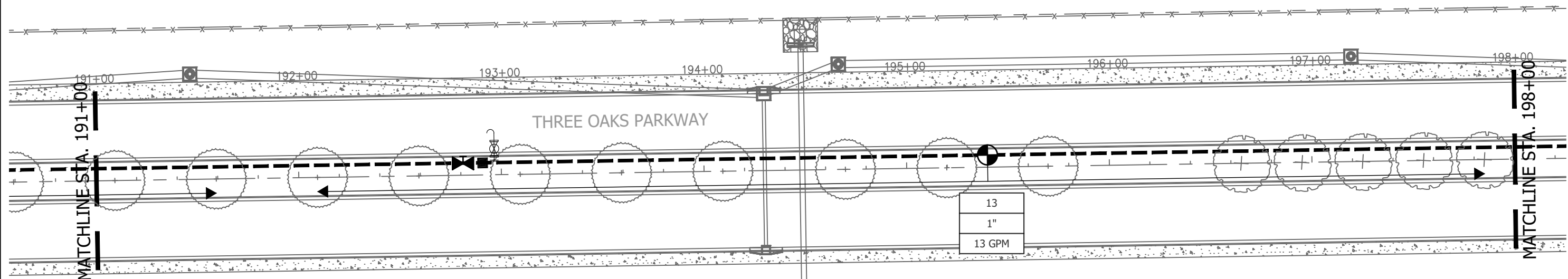
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION						
	PUMP STATION		MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY						
	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.		BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.						
	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN		MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY						
	LATERAL LINES AND EXTENTS OF ZONE	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>1</td><td>VALVE NUMBER</td></tr> <tr><td>1"</td><td>VALVE SIZE</td></tr> <tr><td>12 GPM</td><td>ZONE FLOW DEMAND</td></tr> </table>	1	VALVE NUMBER	1"	VALVE SIZE	12 GPM	ZONE FLOW DEMAND	
1	VALVE NUMBER								
1"	VALVE SIZE								
12 GPM	ZONE FLOW DEMAND								
	3" IRRIGATION MAINLINE								
	IRRIGATION SUB-MAIN								
	SCH 40 SLEEVING (4" OR 6" AS NOTED)								
	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)								
	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.								
	GROUNDING PLATE OR ROD								
NOTES	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).								

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
	BB BLACK OLIVE "SHADY LADY" (2) .5 GPM		PD YELLOW POINCIANA (2) .5 GPM
	CD PIGEON PLUM (2) .5 GPM		PS SYLVESTRIS DATE PALM (2) .5 GPM
	CES SILVER BUTTWOOD (1) .5 GPM		QV LIVE OAK (2) .5 GPM
	HP FIREBUSH MSRN COVERAGE		JI JATROPHA TREES (1) .5 GPM
	SP SABAL PALM (2) .5 GPM		RE ROYAL PALM (2) 1 GPM
	SR SILVER SAW PALMETTO MSRN COVERAGE		TI PURPLE TABEBUIA (2) .5 GPM
	TG PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE		TM KEY THATCH PALM (1) .5 GPM
	CONTINUOUS MULCH BED		
	PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS		

NOTES ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**IR-6**

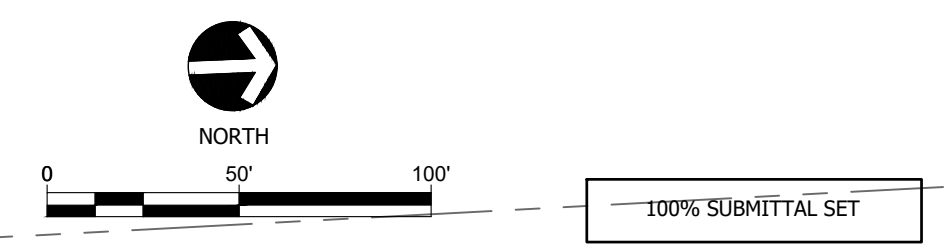
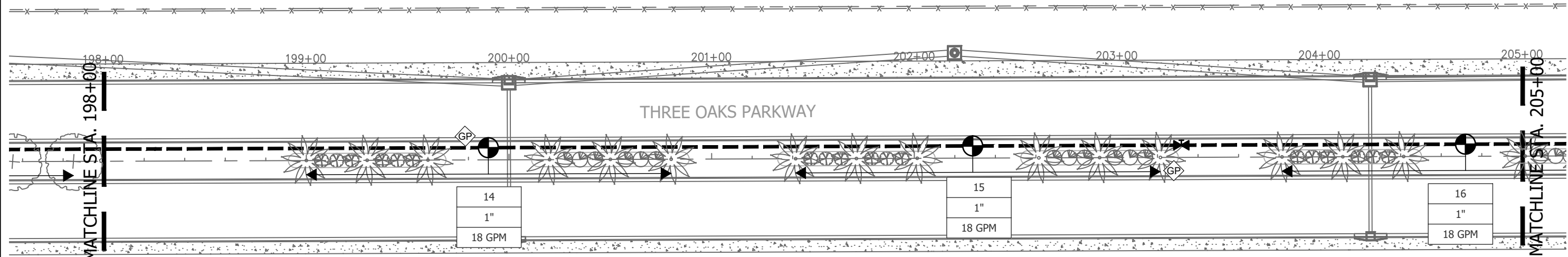
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION						
	PUMP STATION		MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY						
	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.		BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.						
	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN		MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY						
	LATERAL LINES AND EXTENTS OF ZONE	<table border="1" style="display: inline-table;"><tr><td>1</td><td>VALVE NUMBER</td></tr><tr><td>1"</td><td>VALVE SIZE</td></tr><tr><td>12 GPM</td><td>ZONE FLOW DEMAND</td></tr></table>	1	VALVE NUMBER	1"	VALVE SIZE	12 GPM	ZONE FLOW DEMAND	
1	VALVE NUMBER								
1"	VALVE SIZE								
12 GPM	ZONE FLOW DEMAND								
	3" IRRIGATION MAINLINE								
	IRRIGATION SUB-MAIN								
	SCH 40 SLEEVING (4" OR 6" AS NOTED)								
	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)								
	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.								
	GROUNDING PLATE OR ROD								
<b>NOTES</b>	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).								

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
	BB BLACK OLIVE "SHADY LADY" (2) .5 GPM		PD YELLOW POINCIANA (2) .5 GPM
	CD PIGEON PLUM (2) .5 GPM		PS SYLVESTRIS DATE PALM (2) .5 GPM
	CES SILVER BUTTWOOD (1) .5 GPM		QV LIVE OAK (2) .5 GPM
	HP FIREBUSH MSRN COVERAGE		RE ROYAL PALM (2) 1 GPM
	JI JATROPHA TREES (1) .5 GPM		SP SABAL PALM (2) .5 GPM
			SR SILVER SAW PALMETTO MSRN COVERAGE
			TG PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
			TI PURPLE TABEBUIA (2) .5 GPM
			TM KEY THATCH PALM (1) .5 GPM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS

**NOTES** ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**IR-7**

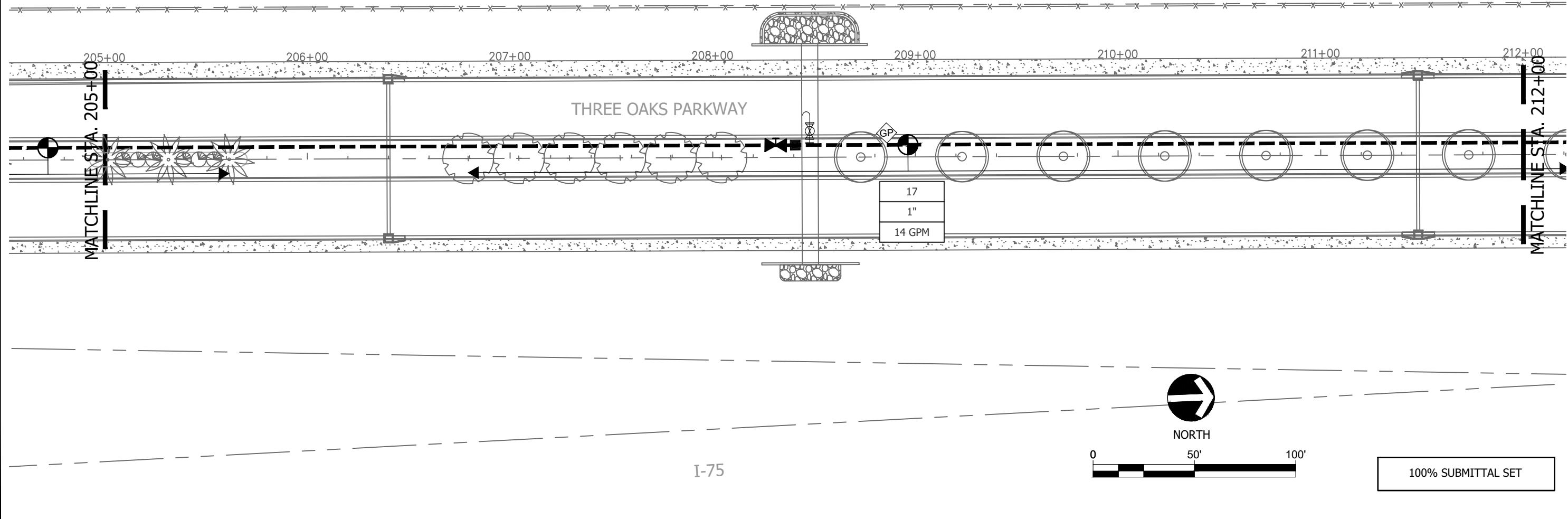
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PS	PUMP STATION	LFH	MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
C	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.	LF	BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
Valve Symbol	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN	■	MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
1" Arrow	LATERAL LINES AND EXTENTS OF ZONE	1	VALVE NUMBER
3" Dashed	3" IRRIGATION MAINLINE	1"	VALVE SIZE
2" Dashed	IRRIGATION SUB-MAIN	12 GPM	ZONE FLOW DEMAND
4" Dashed	SCH 40 SLEEVING (4" OR 6" AS NOTED)		
2" Dashed	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
Control Valve Symbol	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
GP	GROUNDING PLATE OR ROD		
NOTES	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
BB	BLACK OLIVE "SHADY LADY" (2) .5 GPM	PD	YELLOW POINCIANA (2) .5 GPM
CD	PIGEON PLUM (2) .5 GPM	PS	SYLVESTRIS DATE PALM (2) .5 GPM
CES	SILVER BUTTWOOD (1) .5 GPM	QV	LIVE OAK (2) .5 GPM
HP	FIREBUSH MSRN COVERAGE	RE	ROYAL PALM (2) 1 GPM
JT	JATROPHA TREES (1) .5 GPM		
SP	SABAL PALM (2) .5 GPM		
SR	SILVER SAW PALMETTO MSRN COVERAGE		
TG	PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE		
TI	PURPLE TABEBUIA (2) .5 GPM		
TM	KEY THATCH PALM (1) .5 GPM		
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS

NOTES ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

DAYNA L. FENDRICK, RLA #0001224

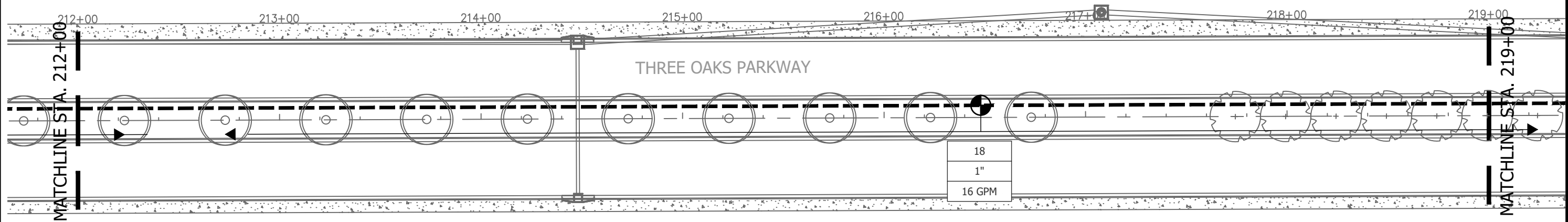
SHEET #  
**IR-8**

**IRRIGATION LEGEND**

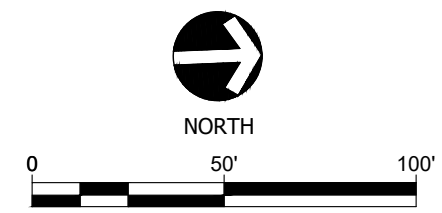
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PUMP STATION		MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.		BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN		MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
	LATERAL LINES AND EXTENTS OF ZONE		VALVE NUMBER
	3" IRRIGATION MAINLINE		VALVE SIZE
	IRRIGATION SUB-MAIN		ZONE FLOW DEMAND
	SCH 40 SLEEVING (4" OR 6" AS NOTED)		
	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
	GROUNDING PLATE OR ROD		
<b>NOTES</b>	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
	BB BLACK OLIVE "SHADY LADY" (2) .5 GPM		PD YELLOW POINCIANA (2) .5 GPM
	CD PIGEON PLUM (2) .5 GPM		PS SYLVESTRIS DATE PALM (2) .5 GPM
	CES SILVER BUTTWOOD (1) .5 GPM		QV LIVE OAK (2) .5 GPM
	HP FIREBUSH MSRN COVERAGE		JI JATROPHA TREES (1) .5 GPM
	SP SABAL PALM (2) .5 GPM		RE ROYAL PALM (2) 1 GPM
	SR SILVER SAW PALMETTO MSRN COVERAGE		TI PURPLE TABEBUIA (2) .5 GPM
	TG PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE		TM KEY THATCH PALM (1) .5 GPM
	CONTINUOUS MULCH BED		
	PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS		
<b>NOTES</b>	ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.		



I-75



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

SHEET #  
**IR-9**

DAYNA L. FENDRICK, RLA #0001224

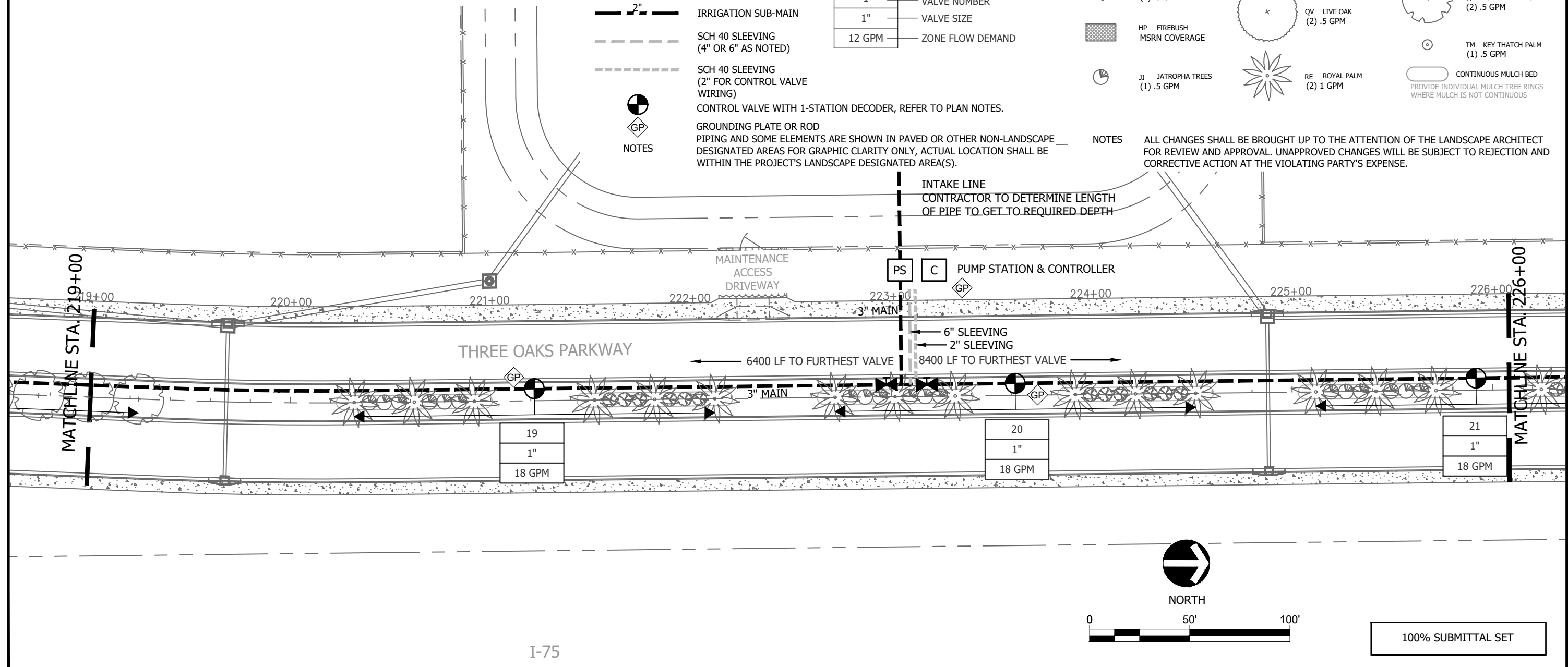
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PS	PUMP STATION	LFH	MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
C	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.	LF	BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
Valve Symbol	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN	■	MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
1" Arrow	LATERAL LINES AND EXTENTS OF ZONE	1	VALVE NUMBER
3" Dashed	3" IRRIGATION MAINLINE	1"	VALVE SIZE
2" Dashed	IRRIGATION SUB-MAIN	12 GPM	ZONE FLOW DEMAND
4" Dashed	SCH 40 SLEEVING (4" OR 6" AS NOTED)		
2" Dashed	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
GP	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
GP	GROUNDING PLATE OR ROD		
Notes	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
BB	BLACK OLIVE "SHADY LADY" (2) .5 GPM	PD	YELLOW POINCIANA (2) .5 GPM
CD	PIGEON PLUM (2) .5 GPM	PS	SYLVESTRIS DATE PALM (2) .5 GPM
CES	SILVER BUTTWOOD (1) .5 GPM	QV	LIVE OAK (2) .5 GPM
HP	FIREBUSH MSRN COVERAGE	RE	ROYAL PALM (2) 1 GPM
JT	JATROPHA TREES (1) .5 GPM	SP	SABAL PALM (2) .5 GPM
		SR	SILVER SAW PALMETTO MSRN COVERAGE
		TG	PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
		TI	PURPLE TABEBUIA (2) .5 GPM
		TM	KEY THATCH PALM (1) .5 GPM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS

**NOTES** ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



I-75

100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

SHEET #  
**IR-10**

DAYNA L. FENDRICK, RLA #0001224

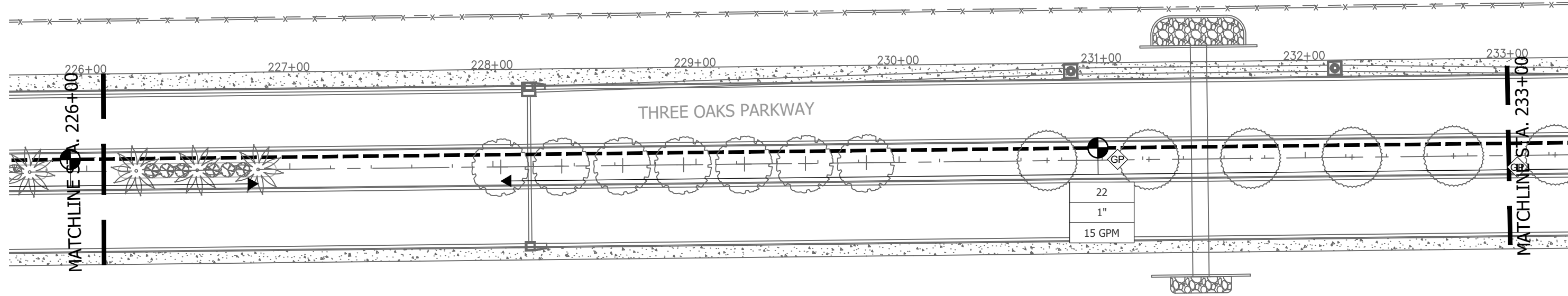
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PS	PUMP STATION	LFH	MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
C	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.	LFH	BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
Valve Symbol	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN	■	MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
1" Arrow	LATERAL LINES AND EXTENTS OF ZONE	1	VALVE NUMBER
3" Dashed	3" IRRIGATION MAINLINE	1"	VALVE SIZE
2" Dashed	IRRIGATION SUB-MAIN	12 GPM	ZONE FLOW DEMAND
4" Dashed	SCH 40 SLEEVING (4" OR 6" AS NOTED)		
2" Dashed	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
Control Valve Symbol	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
GP	GROUNDING PLATE OR ROD		
NOTES	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
BB	BLACK OLIVE "SHADY LADY" (2) .5 GPM	PD	YELLOW POINCIANA (2) .5 GPM
CD	PIGEON PLUM (2) .5 GPM	PS	SYLVESTRIS DATE PALM (2) .5 GPM
CES	SILVER BUTTWOOD (1) .5 GPM	QV	LIVE OAK (2) .5 GPM
HP	FIREBUSH MSRN COVERAGE	RE	ROYAL PALM (2) 1 GPM
JT	JATROPHA TREES (1) .5 GPM	SP	SABAL PALM (2) .5 GPM
		SR	SILVER SAW PALMETTO MSRN COVERAGE
		TG	PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
		TI	PURPLE TABEBUIA (2) .5 GPM
		TM	KEY THATCH PALM (1) .5 GPM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS

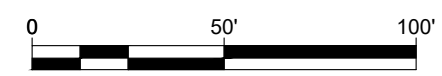
NOTES ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



I-75



NORTH



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

SHEET #  
**IR-11**

DAYNA L. FENDRICK, RLA #0001224

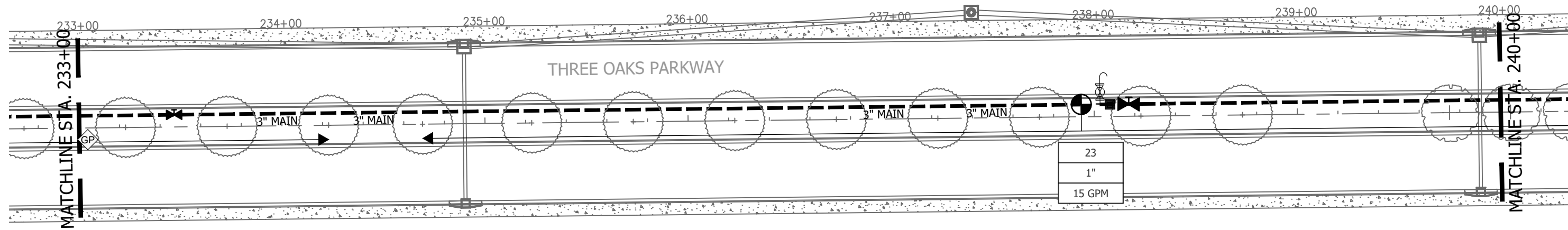


**IRRIGATION LEGEND**

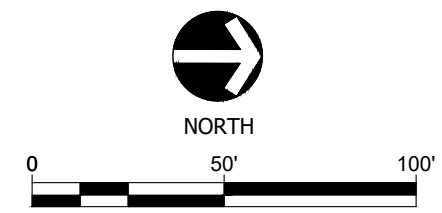
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PS	PUMP STATION	LFH	MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
C	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.	LFH	BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
Valve Symbol	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN	■	MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
1" Arrow	LATERAL LINES AND EXTENTS OF ZONE	1	VALVE NUMBER
3" Dashed	3" IRRIGATION MAINLINE	1"	VALVE SIZE
2" Dashed	IRRIGATION SUB-MAIN	12 GPM	ZONE FLOW DEMAND
4" Dashed	SCH 40 SLEEVING (4" OR 6" AS NOTED)		
2" Dashed	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
Control Valve Symbol	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
GP	GROUNDING PLATE OR ROD		
NOTES	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
BB	BLACK OLIVE "SHADY LADY" (2) .5 GPM	PD	YELLOW POINCIANA (2) .5 GPM
CD	PIGEON PLUM (2) .5 GPM	PS	SYLVESTRIS DATE PALM (2) .5 GPM
CES	SILVER BUTTWOOD (1) .5 GPM	QV	LIVE OAK (2) .5 GPM
HP	FIREBUSH MSRN COVERAGE	RE	ROYAL PALM (2) 1 GPM
JT	JATROPHA TREES (1) .5 GPM	SP	SABAL PALM (2) .5 GPM
		SR	SILVER SAW PALMETTO MSRN COVERAGE
		TG	PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
		TI	PURPLE TABEBUIA (2) .5 GPM
		TM	KEY THATCH PALM (1) .5 GPM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS
NOTES	ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.		



I-75



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

SHEET #  
**IR-12**

DAYNA L. FENDRICK, RLA #0001224

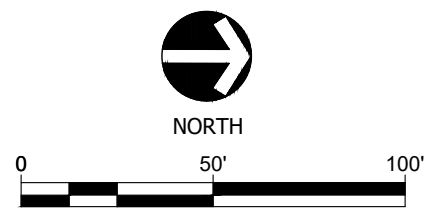
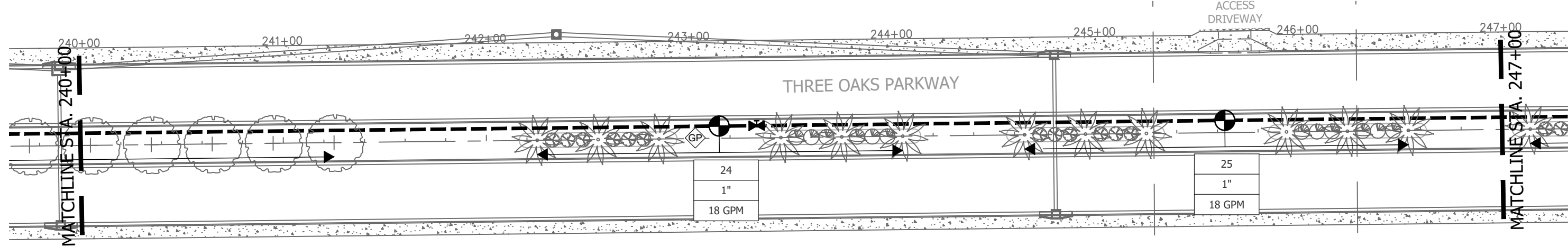
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PS	PUMP STATION	LFH	MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
C	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.	LFH	BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
Valve Symbol	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN	Valve Symbol	MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
1" Arrow	LATERAL LINES AND EXTENTS OF ZONE	Valve Box 1	1 VALVE NUMBER
3" Dashed	3" IRRIGATION MAINLINE	Valve Box 1"	1" VALVE SIZE
2" Dashed	IRRIGATION SUB-MAIN	Valve Box 12 GPM	12 GPM ZONE FLOW DEMAND
4" Dashed	SCH 40 SLEEVING (4" OR 6" AS NOTED)		
2" Dashed	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
Control Valve Symbol	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
GP	GROUNDING PLATE OR ROD		
NOTES	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
BB	BLACK OLIVE "SHADY LADY" (2) .5 GPM	PD	YELLOW POINCIANA (2) .5 GPM
CD	PIGEON PLUM (2) .5 GPM	PS	SYLVESTRIS DATE PALM (2) .5 GPM
CES	SILVER BUTTWOOD (1) .5 GPM	QV	LIVE OAK (2) .5 GPM
HP	FIREBUSH MSRN COVERAGE	RE	ROYAL PALM (2) 1 GPM
JT	JATROPHA TREES (1) .5 GPM	SP	SABAL PALM (2) .5 GPM
		SR	SILVER SAW PALMETTO MSRN COVERAGE
		TG	PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
		TI	PURPLE TABEBUIA (2) .5 GPM
		TM	KEY THATCH PALM (1) .5 GPM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS

NOTES ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

**THREE OAKS PARKWAY  
 EXTENSION**  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**IR-13**

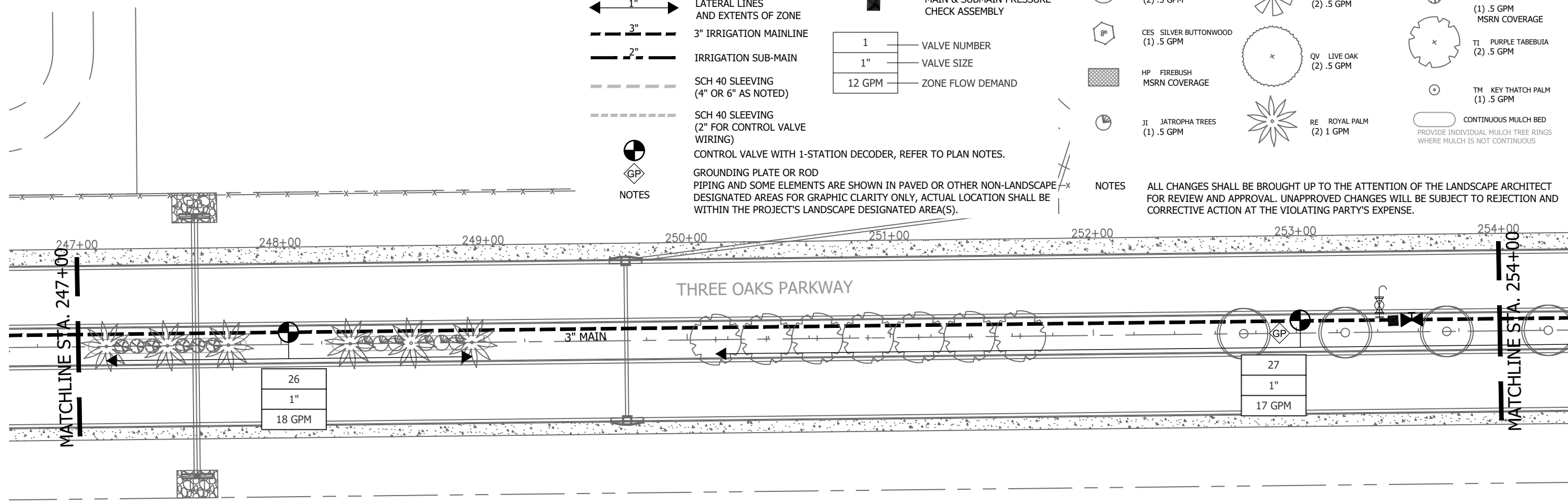
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PS	PUMP STATION	LFH	MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
C	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.	LF	BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
Valve Symbol	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN	■	MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
1" Arrow	LATERAL LINES AND EXTENTS OF ZONE	1	VALVE NUMBER
3" Dashed	3" IRRIGATION MAINLINE	1"	VALVE SIZE
2" Dashed	IRRIGATION SUB-MAIN	12 GPM	ZONE FLOW DEMAND
4" Dashed	SCH 40 SLEEVING (4" OR 6" AS NOTED)		
2" Dashed	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
Control Valve Symbol	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
GP	GROUNDING PLATE OR ROD		
NOTES	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

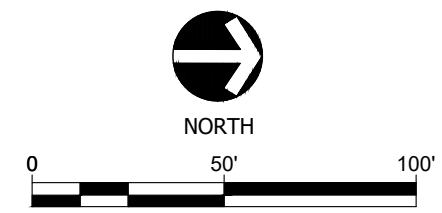
**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
BB	BLACK OLIVE "SHADY LADY" (2) .5 GPM	PD	YELLOW POINCIANA (2) .5 GPM
CD	PIGEON PLUM (2) .5 GPM	PS	SYLVESTRIS DATE PALM (2) .5 GPM
CES	SILVER BUTTWOOD (1) .5 GPM	QV	LIVE OAK (2) .5 GPM
HP	FIREBUSH MSRN COVERAGE	RE	ROYAL PALM (2) 1 GPM
JT	JATROPHA TREES (1) .5 GPM	SP	SABAL PALM (2) .5 GPM
		SR	SILVER SAW PALMETTO MSRN COVERAGE
		TG	PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
		TI	PURPLE TABEBUIA (2) .5 GPM
		TM	KEY THATCH PALM (1) .5 GPM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS

NOTES ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



I-75



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

SHEET #  
**IR-14**

DAYNA L. FENDRICK, RLA #0001224

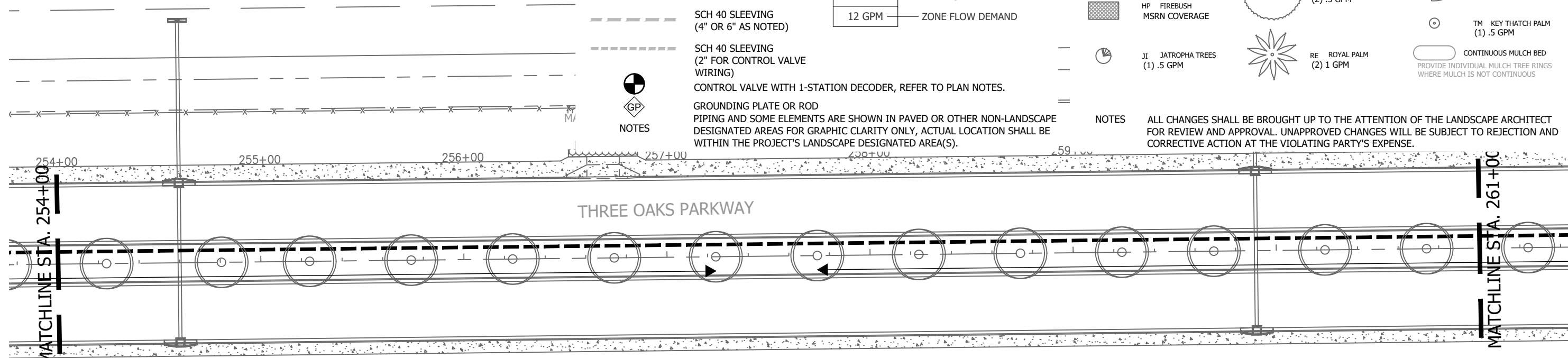
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PUMP STATION		MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.		BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN		MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
	LATERAL LINES AND EXTENTS OF ZONE		VALVE NUMBER
	3" IRRIGATION MAINLINE		VALVE SIZE
	IRRIGATION SUB-MAIN		ZONE FLOW DEMAND
	SCH 40 SLEEVING (4" OR 6" AS NOTED)		
	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
	GROUNDING PLATE OR ROD		
<b>NOTES</b>	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
	BB BLACK OLIVE "SHADY LADY" (2) .5 GPM		PD YELLOW POINCIANA (2) .5 GPM
	CD PIGEON PLUM (2) .5 GPM		PS SYLVESTRIS DATE PALM (2) .5 GPM
	CES SILVER BUTTWOOD (1) .5 GPM		QV LIVE OAK (2) .5 GPM
	HP FIREBUSH MSRN COVERAGE		RE ROYAL PALM (2) 1 GPM
	JI JATROPHA TREES (1) .5 GPM		SP SABAL PALM (2) .5 GPM
			SR SILVER SAW PALMETTO MSRN COVERAGE
			TG PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
			TI PURPLE TABEBUIA (2) .5 GPM
			TM KEY THATCH PALM (1) .5 GPM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS

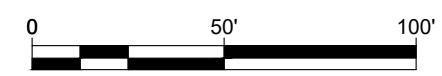
**NOTES** ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



I-75



NORTH



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**IR-15**

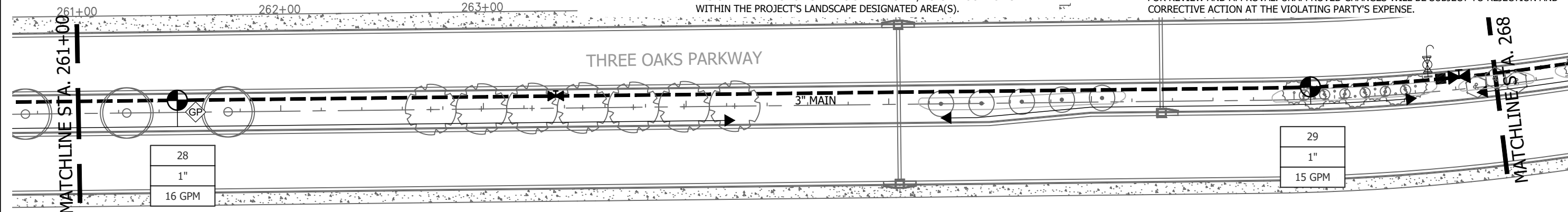
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PS	PUMP STATION	LFH	MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
C	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.	LFH	BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
Valve Symbol	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN	■	MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
1" Arrow	LATERAL LINES AND EXTENTS OF ZONE	1	VALVE NUMBER
3" Dashed	3" IRRIGATION MAINLINE	1"	VALVE SIZE
2" Dashed	IRRIGATION SUB-MAIN	12 GPM	ZONE FLOW DEMAND
4" Dashed	SCH 40 SLEEVING (4" OR 6" AS NOTED)		
2" Dashed	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
Control Valve Symbol	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
GP	GROUNDING PLATE OR ROD		
NOTES	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
BB	BLACK OLIVE "SHADY LADY" (2) .5 GPM	PD	YELLOW POINCIANA (2) .5 GPM
CD	PIGEON PLUM (2) .5 GPM	PS	SYLVESTRIS DATE PALM (2) .5 GPM
CES	SILVER BUTTWOOD (1) .5 GPM	QV	LIVE OAK (2) .5 GPM
HP	FIREBUSH MSRN COVERAGE	RE	ROYAL PALM (2) 1 GPM
JT	JATROPHA TREES (1) .5 GPM	SP	SABAL PALM (2) .5 GPM
		SR	SILVER SAW PALMETTO MSRN COVERAGE
		TG	PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
		TI	PURPLE TABEBUIA (2) .5 GPM
		TM	KEY THATCH PALM (1) .5 GPM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS

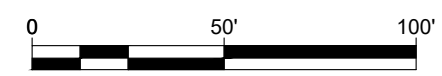
NOTES ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



I-75




NORTH



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**IR-16**

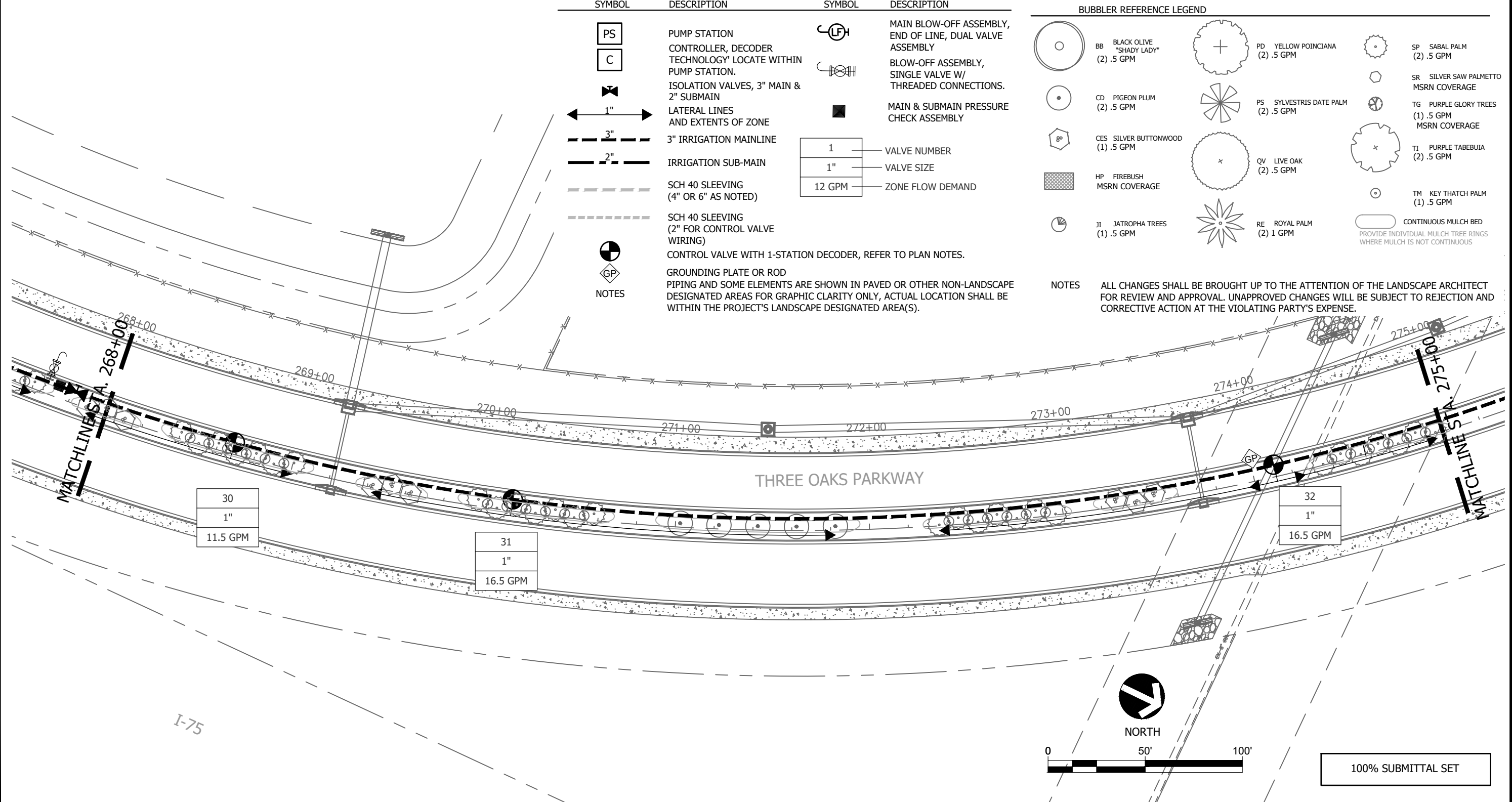
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PS	PUMP STATION	LFH	MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
C	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.	LFH	BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
Valve Symbol	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN	■	MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
1" Arrow	LATERAL LINES AND EXTENTS OF ZONE	1	VALVE NUMBER
3" Dashed	3" IRRIGATION MAINLINE	1"	VALVE SIZE
2" Dashed	IRRIGATION SUB-MAIN	12 GPM	ZONE FLOW DEMAND
4" Dashed	SCH 40 SLEEVING (4" OR 6" AS NOTED)		
2" Dashed	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
Control Valve Symbol	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
GP	GROUNDING PLATE OR ROD		
Notes	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
BB	BLACK OLIVE "SHADY LADY" (2) .5 GPM	PD	YELLOW POINCIANA (2) .5 GPM
CD	PIGEON PLUM (2) .5 GPM	PS	SYLVESTRIS DATE PALM (2) .5 GPM
CES	SILVER BUTTWOOD (1) .5 GPM	QV	LIVE OAK (2) .5 GPM
HP	FIREBUSH MSRN COVERAGE	RE	ROYAL PALM (2) 1 GPM
JT	JATROPHA TREES (1) .5 GPM		
SP	SABAL PALM (2) .5 GPM		
SR	SILVER SAW PALMETTO MSRN COVERAGE		
TG	PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE		
TI	PURPLE TABEBUIA (2) .5 GPM		
TM	KEY THATCH PALM (1) .5 GPM		
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS

NOTES ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**IR-17**

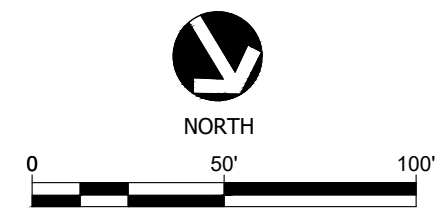
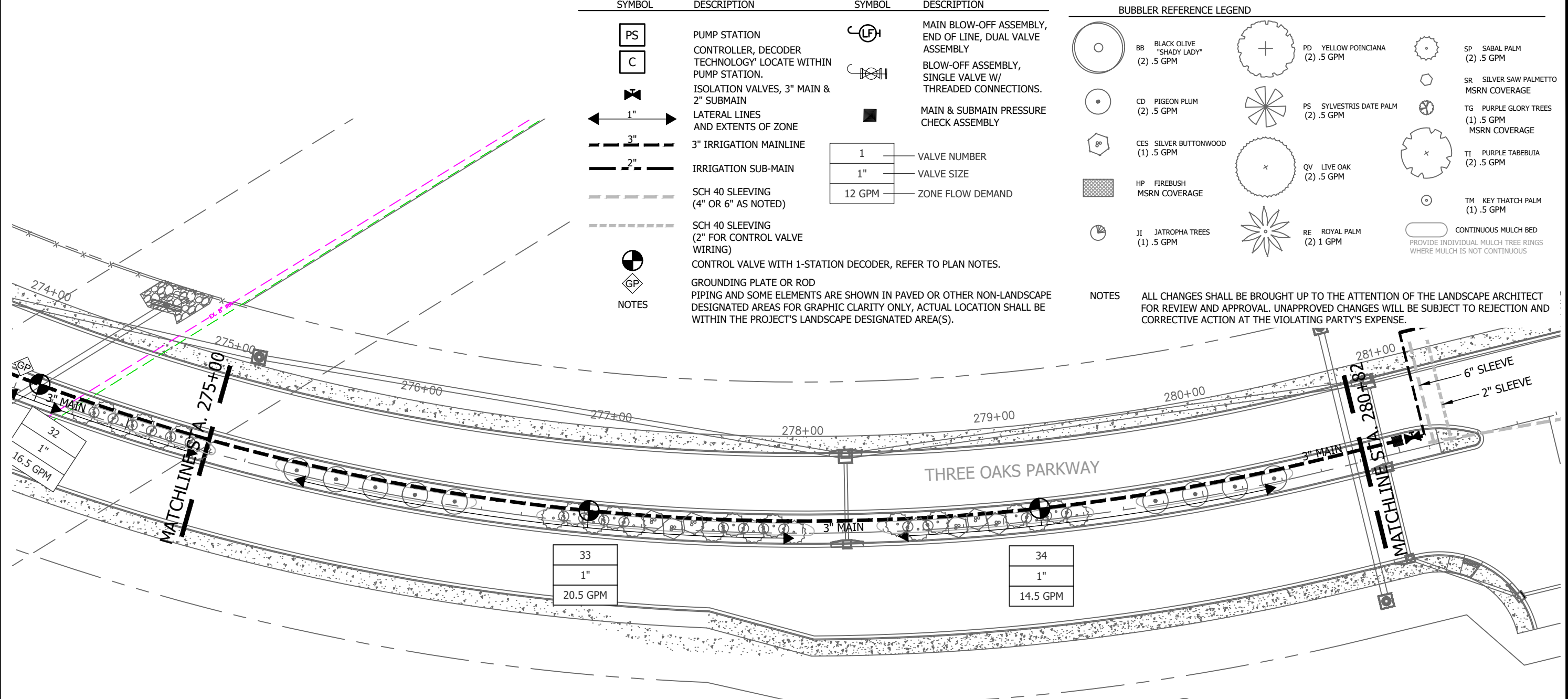
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PS	PUMP STATION	LFH	MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
C	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.	LFH	BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
Valve Symbol	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN	Valve Box	MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
1" Line	LATERAL LINES AND EXTENTS OF ZONE	1	VALVE NUMBER
3" Line	3" IRRIGATION MAINLINE	1"	VALVE SIZE
2" Line	IRRIGATION SUB-MAIN	12 GPM	ZONE FLOW DEMAND
SCH 40 SLEEVING	(4" OR 6" AS NOTED)		
SCH 40 SLEEVING	(2" FOR CONTROL VALVE WIRING)		
Control Valve Symbol	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
GP	GROUNDING PLATE OR ROD		
Notes	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
BB	BLACK OLIVE "SHADY LADY" (2) .5 GPM	PD	YELLOW POINCIANA (2) .5 GPM
CD	PIGEON PLUM (2) .5 GPM	PS	SYLVESTRIS DATE PALM (2) .5 GPM
CES	SILVER BUTTWOOD (1) .5 GPM	QV	LIVE OAK (2) .5 GPM
HP	FIREBUSH MSRN COVERAGE	RE	ROYAL PALM (2) 1 GPM
JT	JATROPHA TREES (1) .5 GPM	SP	SABAL PALM (2) .5 GPM
		SR	SILVER SAW PALMETTO MSRN COVERAGE
		TG	PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
		TI	PURPLE TABEBUIA (2) .5 GPM
		TM	KEY THATCH PALM (1) .5 GPM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS

NOTES ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

SHEET #  
**IR-18**

DAYNA L. FENDRICK, RLA #0001224

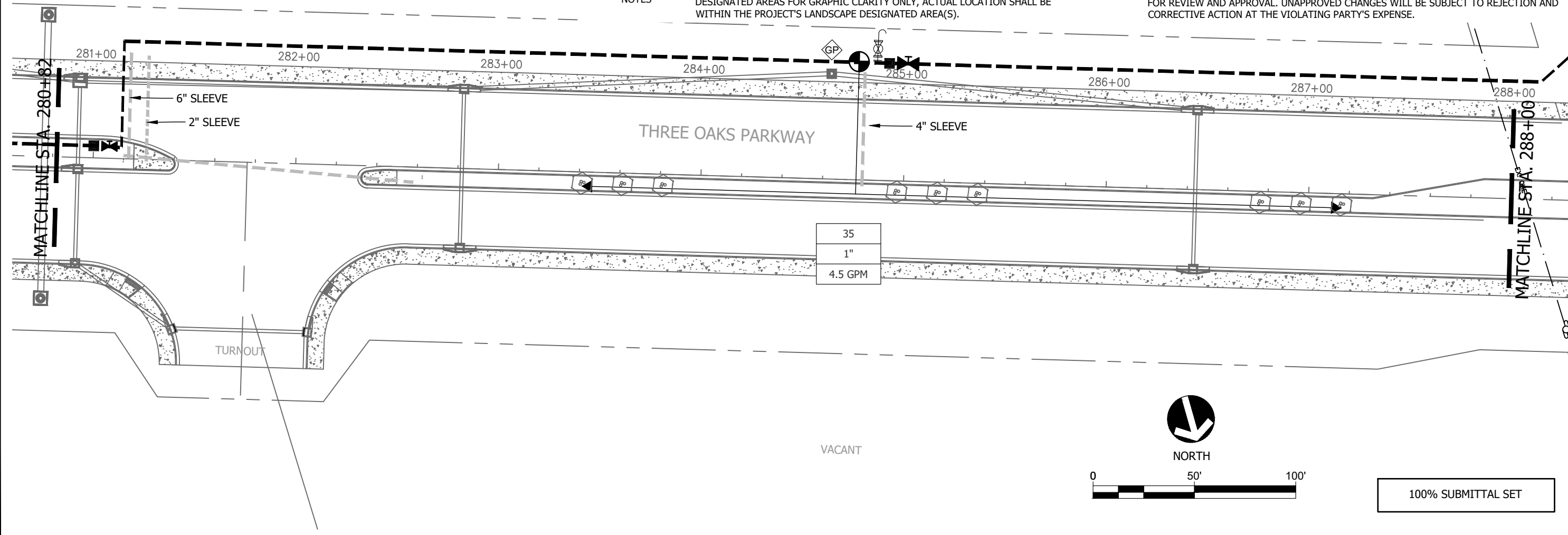
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PS	PUMP STATION	LFH	MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
C	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.	LFH	BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
Valve Symbol	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN	■	MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
1" Arrow	LATERAL LINES AND EXTENTS OF ZONE	1	VALVE NUMBER
3" Dashed	3" IRRIGATION MAINLINE	1"	VALVE SIZE
2" Dashed	IRRIGATION SUB-MAIN	12 GPM	ZONE FLOW DEMAND
4" Dashed	SCH 40 SLEEVING (4" OR 6" AS NOTED)		
2" Dashed	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
Control Valve Symbol	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
GP	GROUNDING PLATE OR ROD		
NOTES	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
BB	BLACK OLIVE "SHADY LADY" (2) .5 GPM	PD	YELLOW POINCIANA (2) .5 GPM
CD	PIGEON PLUM (2) .5 GPM	PS	SYLVESTRIS DATE PALM (2) .5 GPM
CES	SILVER BUTTWOOD (1) .5 GPM	QV	LIVE OAK (2) .5 GPM
HP	FIREBUSH MSRN COVERAGE	RE	ROYAL PALM (2) 1 GPM
JT	JATROPHA TREES (1) .5 GPM	SP	SABAL PALM (2) .5 GPM
		SR	SILVER SAW PALMETTO MSRN COVERAGE
		TG	PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
		TI	PURPLE TABEBUIA (2) .5 GPM
		TM	KEY THATCH PALM (1) .5 GPM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS

NOTES ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**IR-19**



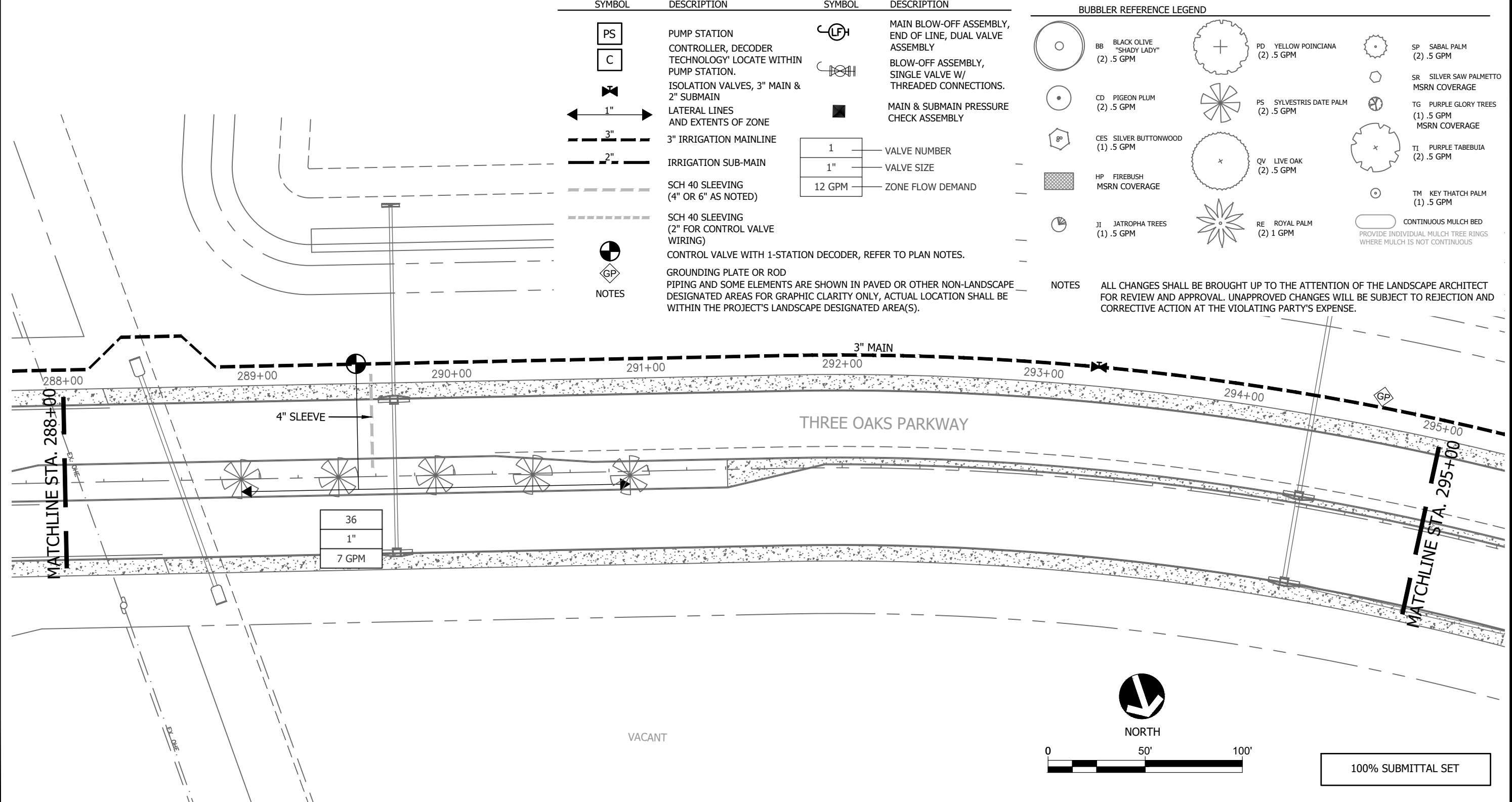
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PUMP STATION		MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.		BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN		MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
	LATERAL LINES AND EXTENTS OF ZONE		VALVE NUMBER
	3" IRRIGATION MAINLINE		VALVE SIZE
	IRRIGATION SUB-MAIN		ZONE FLOW DEMAND
	SCH 40 SLEEVING (4" OR 6" AS NOTED)		
	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
	GROUNDING PLATE OR ROD		
<b>NOTES</b>	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
	BB BLACK OLIVE "SHADY LADY" (2) .5 GPM		PD YELLOW POINCIANA (2) .5 GPM
	CD PIGEON PLUM (2) .5 GPM		PS SYLVESTRIS DATE PALM (2) .5 GPM
	CES SILVER BUTTWOOD (1) .5 GPM		QV LIVE OAK (2) .5 GPM
	HP FIREBUSH MSRN COVERAGE		RE ROYAL PALM (2) 1 GPM
	JI JATROPHA TREES (1) .5 GPM		SP SABAL PALM (2) .5 GPM
			SR SILVER SAW PALMETTO MSRN COVERAGE
			TG PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
			TI PURPLE TABEBUIA (2) .5 GPM
			TM KEY THATCH PALM (1) .5 GPM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS

**NOTES** ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

100% SUBMITTAL SET

SHEET #  
**IR-20**

DAYNA L. FENDRICK, RLA #0001224

**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PS	PUMP STATION	LF	MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
C	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.	LF	BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
ISOLATION VALVES, 3" MAIN & 2" SUBMAIN		■	MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
1"	LATERAL LINES AND EXTENTS OF ZONE		

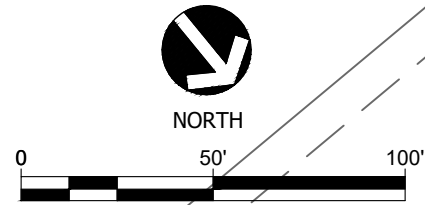
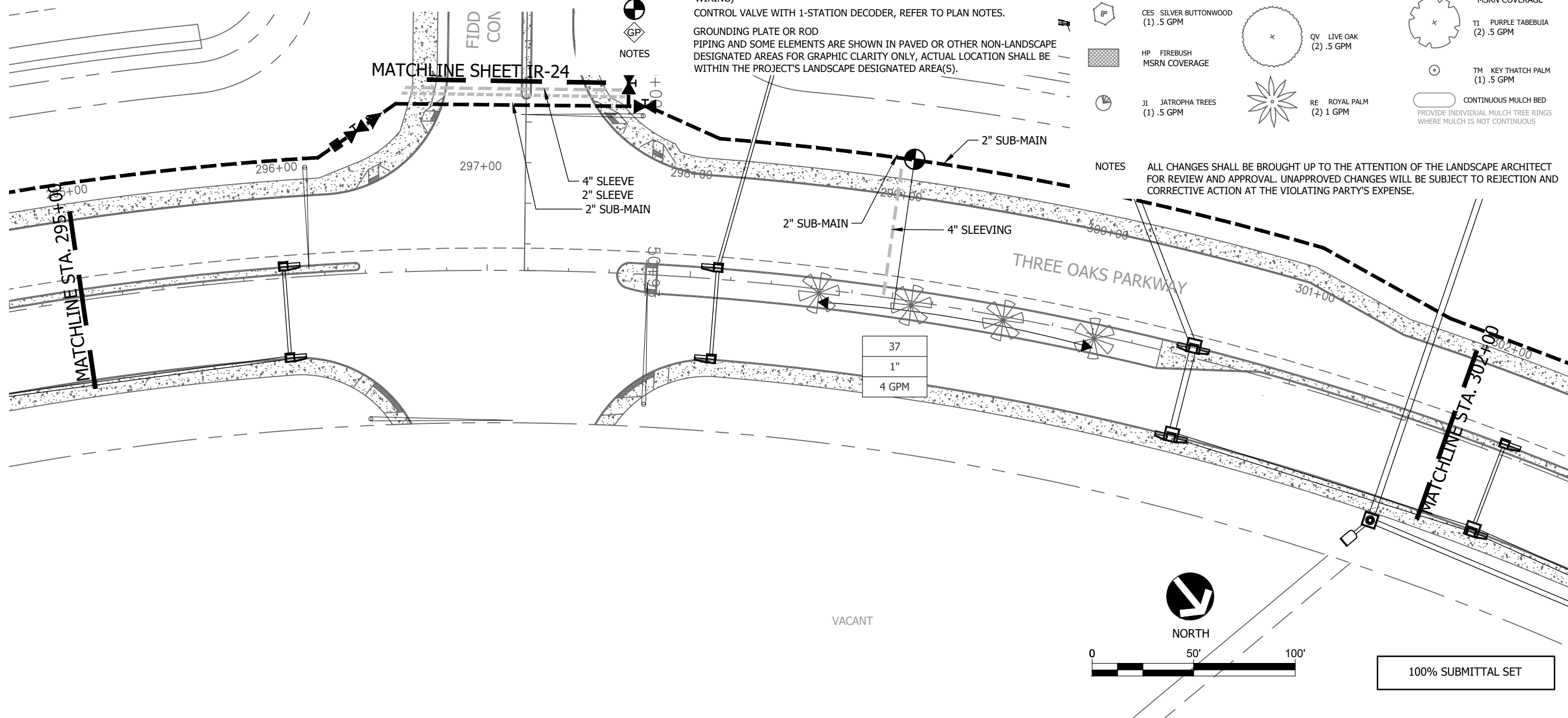
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
3"	3" IRRIGATION MAINLINE	1	VALVE NUMBER
2"	IRRIGATION SUB-MAIN	1"	VALVE SIZE
---	SCH 40 SLEEVING (4" OR 6" AS NOTED)	12 GPM	ZONE FLOW DEMAND
---	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
---	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
GP	GROUNDING PLATE OR ROD		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
BB	BLACK OLIVE "SHADY LADY" (2) .5 GPM	PD	YELLOW POINCIANA (2) .5 GPM
CD	PIGEON PLUM (2) .5 GPM	PS	SYLVESTRIS DATE PALM (2) .5 GPM
CES	SILVER BUTTWOOD (1) .5 GPM	QV	LIVE OAK (2) .5 GPM
HP	FIREBUSH MSRN COVERAGE	RE	ROYAL PALM (2) 1 GPM
JT	JATROPHA TREES (1) .5 GPM		
		SP	SABAL PALM (2) .5 GPM
		SR	SILVER SAW PALMETTO MSRN COVERAGE
		TG	PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
		TI	PURPLE TABEBUIA (2) .5 GPM
		TM	KEY THATCH PALM (1) .5 GPM
			CONTINUOUS MULCH BED

NOTES: ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

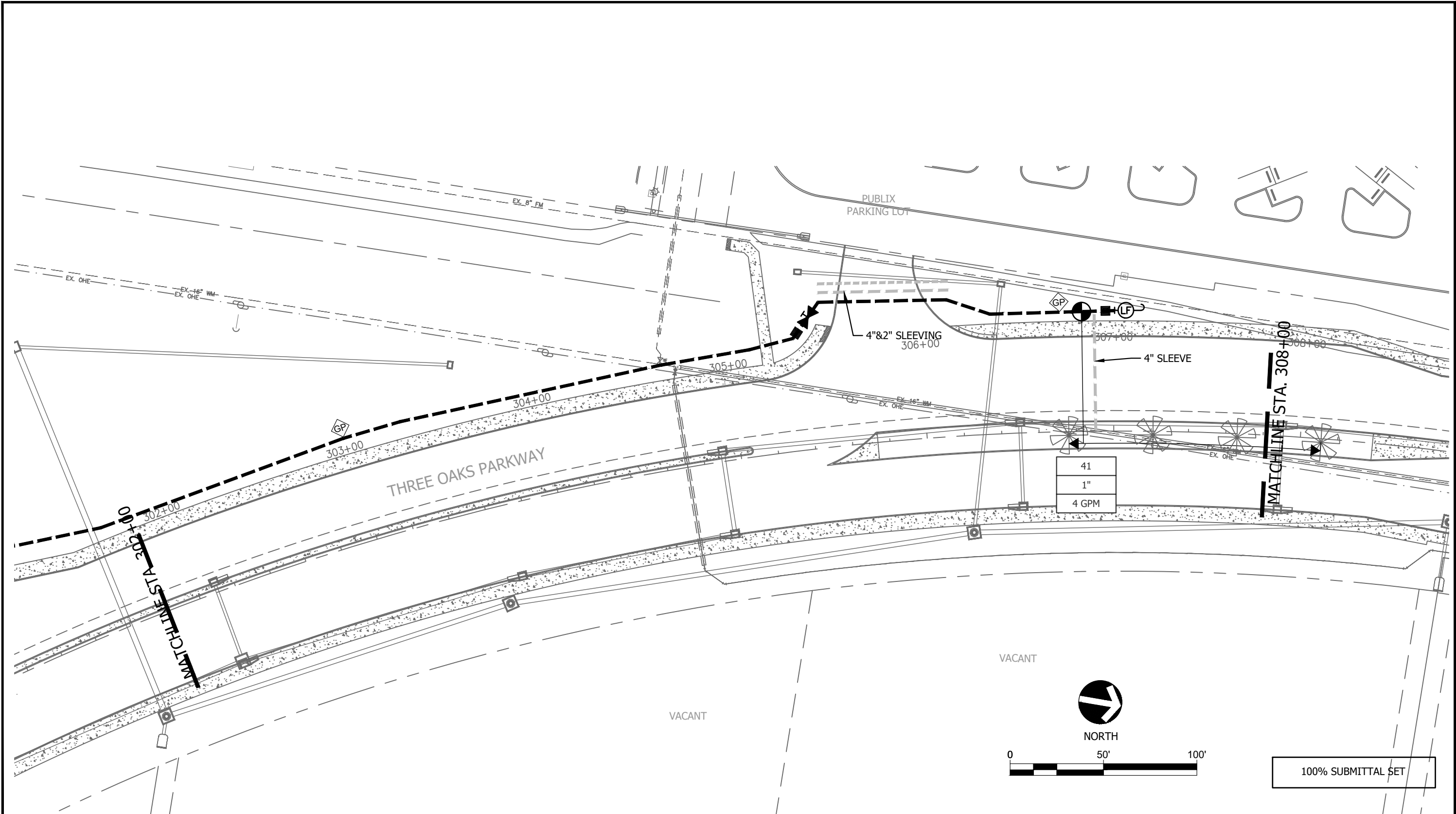
THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

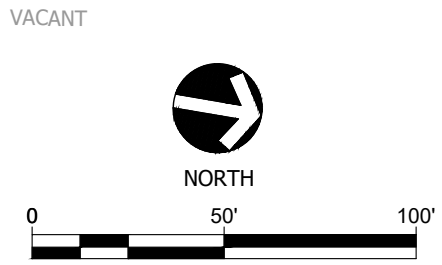
**IRRIGATION PLAN**

SHEET #  
**IR-21**

DAYNA L. FENDRICK, RLA #0001224




41
1"
4 GPM



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

REV	DATE	DESCRIPTION

SCALE:	1" = 50'
DATE:	SEPTEMBER 2024
PROJECT #:	

IRRIGATION PLAN

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
 IR-22

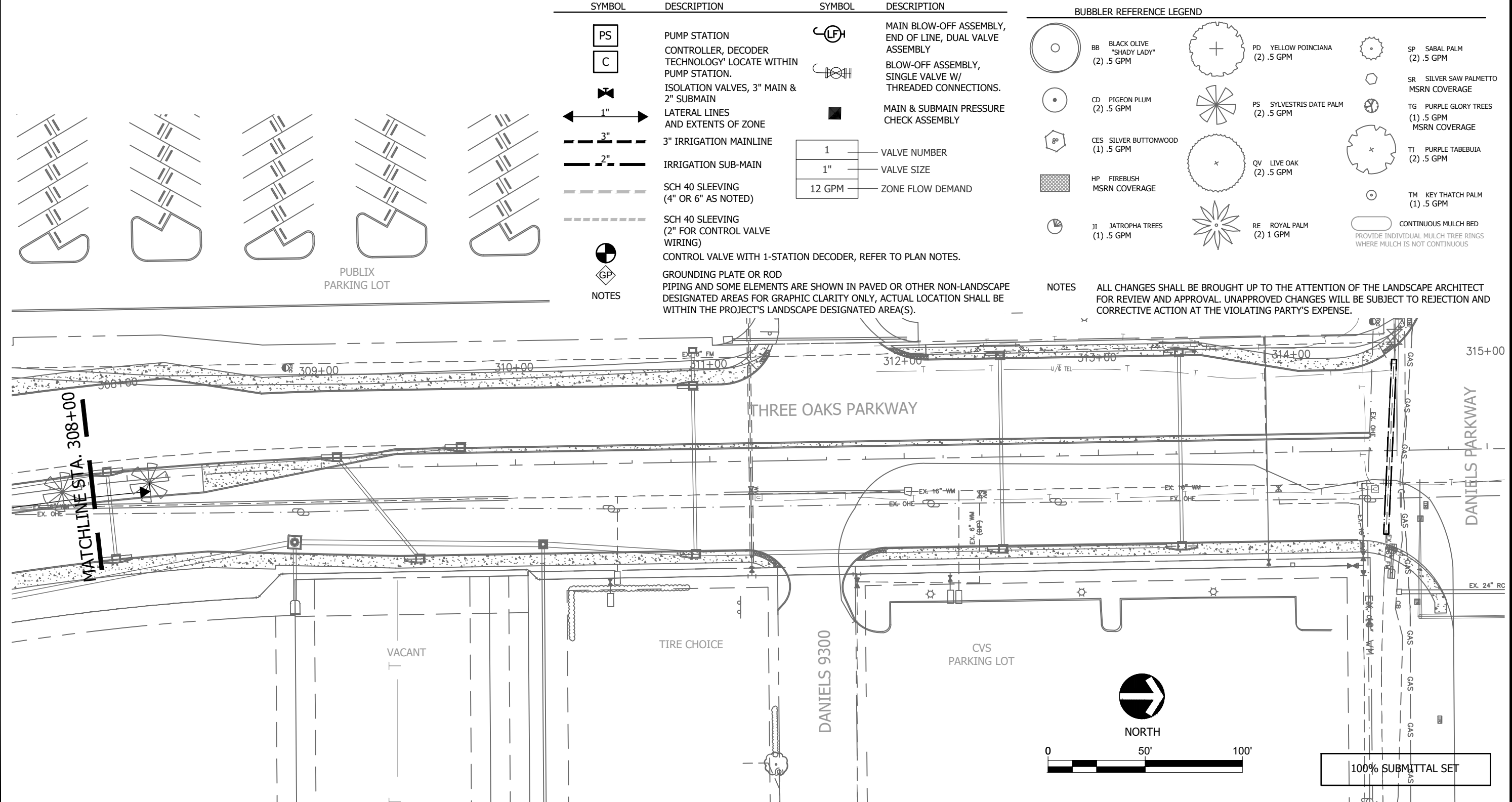
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PS	PUMP STATION	LFH	MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
C	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.	LFH	BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
Valve Symbol	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN	MC	MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
1" Arrow	LATERAL LINES AND EXTENTS OF ZONE	Valve Box	1 VALVE NUMBER
3" Line	3" IRRIGATION MAINLINE	Valve Box	1" VALVE SIZE
2" Line	IRRIGATION SUB-MAIN	Valve Box	12 GPM ZONE FLOW DEMAND
Dashed Line	SCH 40 SLEEVING (4" OR 6" AS NOTED)		
Dashed Line	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
Control Valve Symbol	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
GP	GROUNDING PLATE OR ROD		
Notes	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
BB	BLACK OLIVE "SHADY LADY" (2) .5 GPM	PD	YELLOW POINCIANA (2) .5 GPM
CD	PIGEON PLUM (2) .5 GPM	PS	SYLVESTRIS DATE PALM (2) .5 GPM
CES	SILVER BUTTWOOD (1) .5 GPM	QV	LIVE OAK (2) .5 GPM
HP	FIREBUSH MSRN COVERAGE	RE	ROYAL PALM (2) 1 GPM
JT	JATROPHA TREES (1) .5 GPM	SP	SABAL PALM (2) .5 GPM
		SR	SILVER SAW PALMETTO MSRN COVERAGE
		TG	PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
		TI	PURPLE TABEBOUA (2) .5 GPM
		TM	KEY THATCH PALM (1) .5 GPM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS

**NOTES** ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

SHEET #  
**IR-23**  
 DAYNA L. FENDRICK, RLA #0001224

100% SUBMITTAL SET

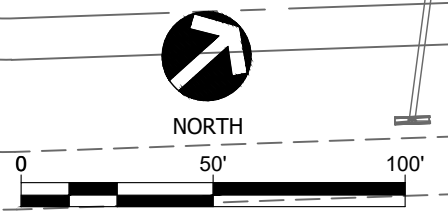
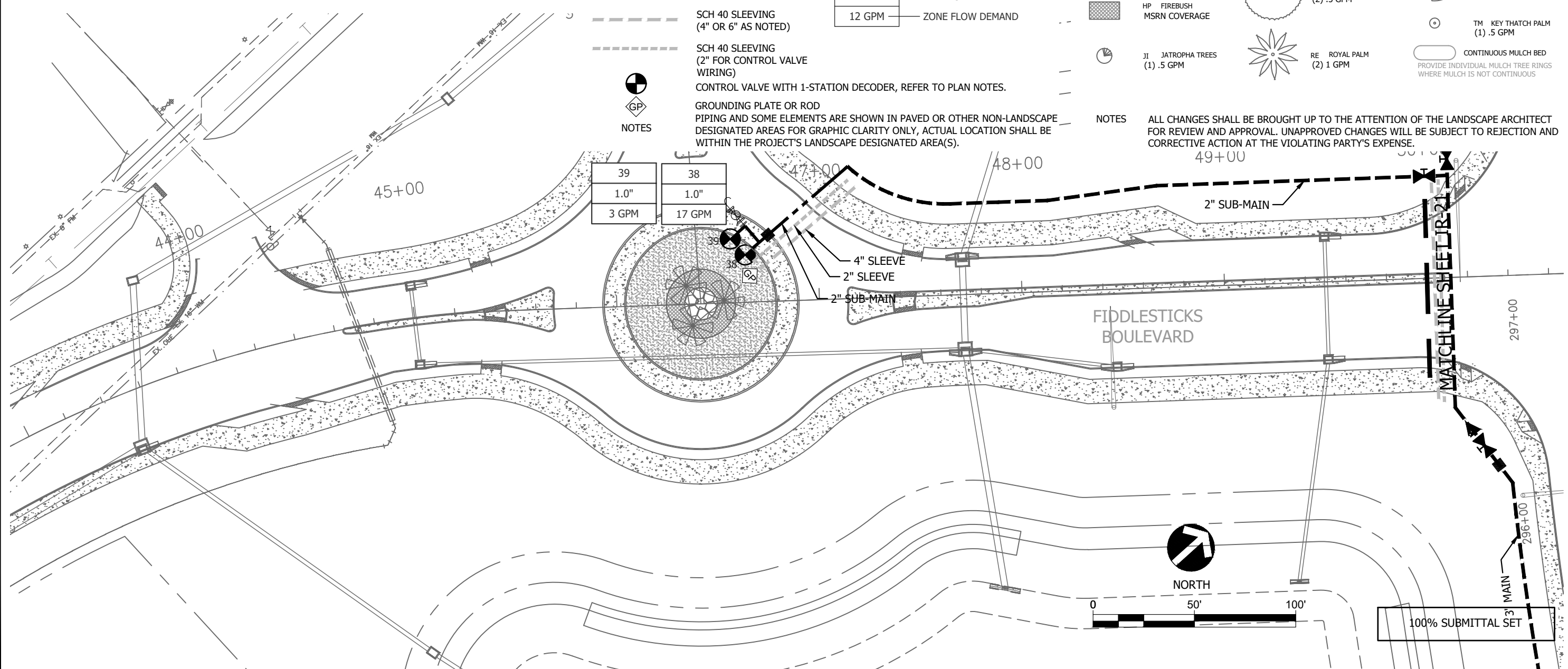
**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PS	PUMP STATION	LFH	MAIN BLOW-OFF ASSEMBLY, END OF LINE, DUAL VALVE ASSEMBLY
C	CONTROLLER, DECODER TECHNOLOGY LOCATE WITHIN PUMP STATION.	LFH	BLOW-OFF ASSEMBLY, SINGLE VALVE W/ THREADED CONNECTIONS.
Valve Symbol	ISOLATION VALVES, 3" MAIN & 2" SUBMAIN	Valve Box	MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY
1" Arrow	LATERAL LINES AND EXTENTS OF ZONE	1	VALVE NUMBER
3" Dashed	3" IRRIGATION MAINLINE	1"	VALVE SIZE
2" Dashed	IRRIGATION SUB-MAIN	12 GPM	ZONE FLOW DEMAND
SCH 40 Dashed	SCH 40 SLEEVING (4" OR 6" AS NOTED)		
SCH 40 Dashed	SCH 40 SLEEVING (2" FOR CONTROL VALVE WIRING)		
Control Valve Symbol	CONTROL VALVE WITH 1-STATION DECODER, REFER TO PLAN NOTES.		
GP	GROUNDING PLATE OR ROD		
Notes	PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA(S).		

**PLANTING LEGEND**

BUBBLER REFERENCE LEGEND			
BB	BLACK OLIVE "SHADY LADY" (2) .5 GPM	PD	YELLOW POINCIANA (2) .5 GPM
CD	PIGEON PLUM (2) .5 GPM	PS	SYLVESTRIS DATE PALM (2) .5 GPM
CES	SILVER BUTTWOOD (1) .5 GPM	QV	LIVE OAK (2) .5 GPM
HP	FIREBUSH MSRN COVERAGE	RE	ROYAL PALM (2) 1 GPM
JT	JATROPHA TREES (1) .5 GPM	SP	SABAL PALM (2) .5 GPM
		SR	SILVER SAW PALMETTO MSRN COVERAGE
		TG	PURPLE GLORY TREES (1) .5 GPM MSRN COVERAGE
		TI	PURPLE TABEBUIA (2) .5 GPM
		TM	KEY THATCH PALM (1) .5 GPM
			CONTINUOUS MULCH BED PROVIDE INDIVIDUAL MULCH TREE RINGS WHERE MULCH IS NOT CONTINUOUS

NOTES ALL CHANGES SHALL BE BROUGHT UP TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. UNAPPROVED CHANGES WILL BE SUBJECT TO REJECTION AND CORRECTIVE ACTION AT THE VIOLATING PARTY'S EXPENSE.



100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

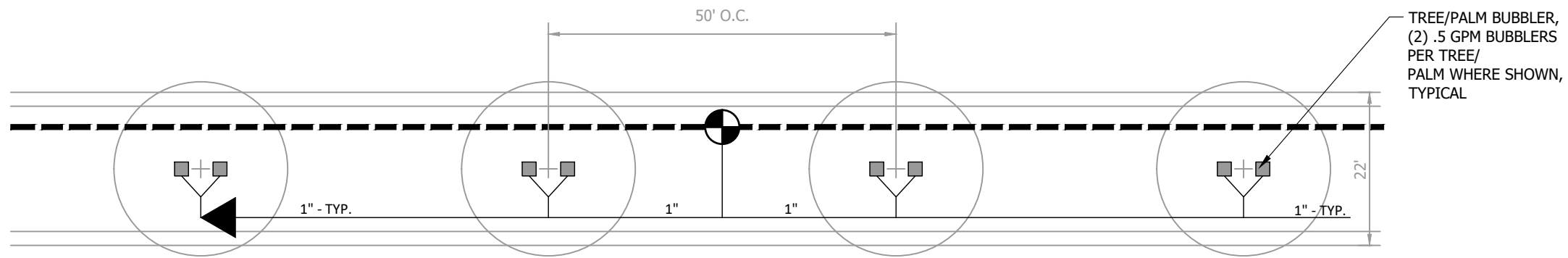
THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	1" = 50'	
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION PLAN**

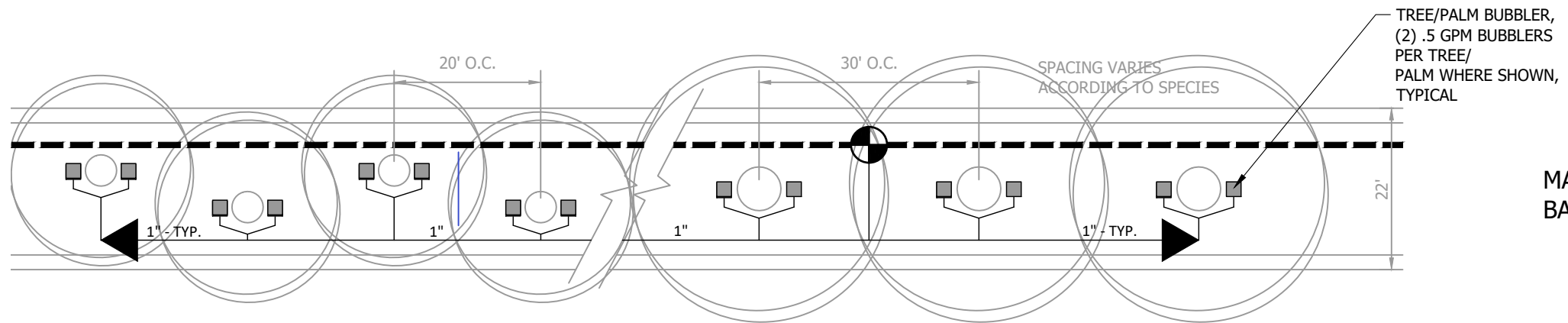
SHEET #  
**IR-24**

DAYNA L. FENDRICK, RLA #0001224



**CANOPY TREE GROUPS**

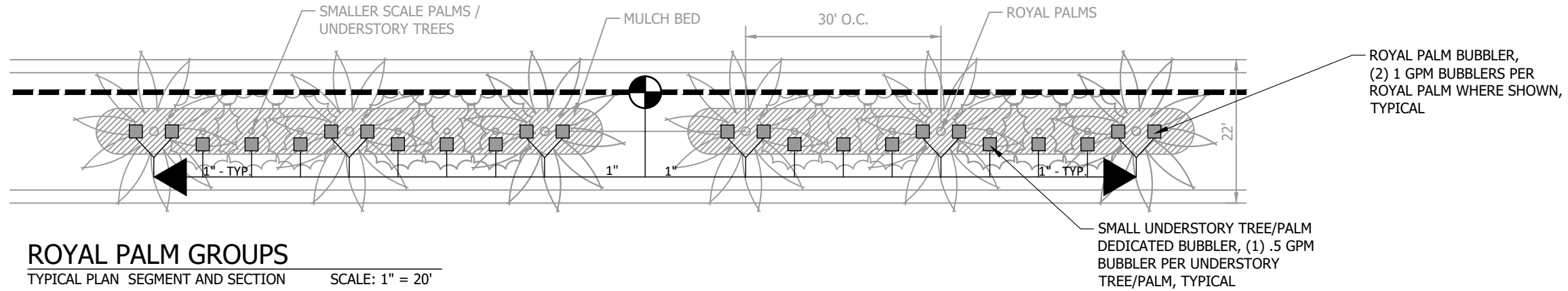
TYPICAL PLAN SEGMENT AND SECTION SCALE: 1" = 20'



MAINTAIN CONSISTENT DISTANCE FROM BACK OF CURB TO MAINLINE

**FLOWERING TREE GROUPS**

TYPICAL PLAN SEGMENT AND SECTION SCALE: 1" = 20'



**ROYAL PALM GROUPS**

TYPICAL PLAN SEGMENT AND SECTION SCALE: 1" = 20'

100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

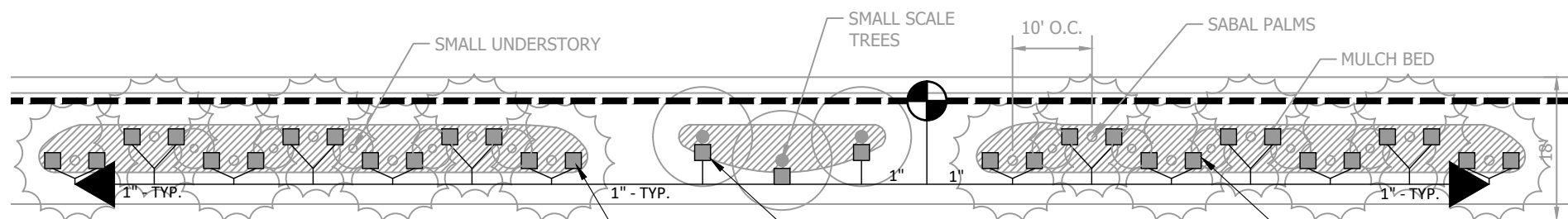
THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	
DATE:	SEPTEMBER 2024
PROJECT #:	
REV	DATE DESCRIPTION

**BUBBLER PLACEMENT  
 DETAILS**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**IR-25**

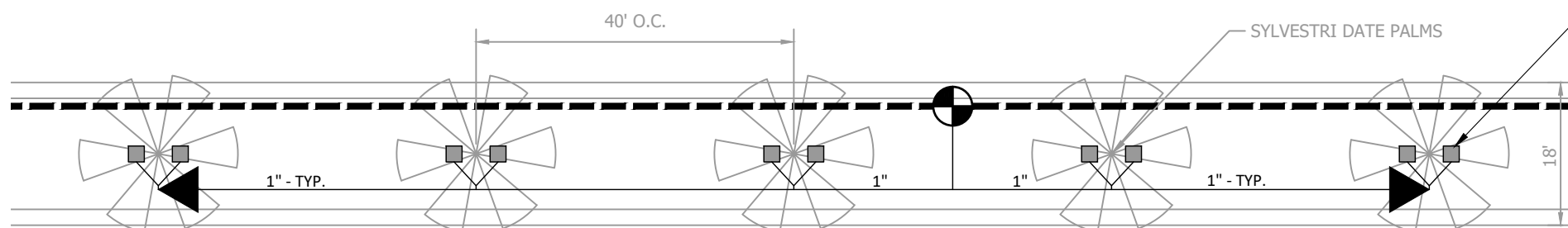


**SABAL PALM GROUPS**

TYPICAL PLAN SEGMENT AND SECTION SCALE: 1" = 20'

- SMALL TREE DEDICATED BUBBLER, (1) .5 GPM BUBBLER PER SMALL TREE, TYPICAL
- TREE/PALM BUBBLER, (2) .5 GPM BUBBLERS PER TREE/PALM, TYPICAL
- SMALL TREE/UNDERSTORY PLANTING BUBBLER, (1) .5 GPM BUBBLER PER SMALL TREE/UNDERSTORY PLANTING WHERE SHOWN, SHARE BUBBLER WHERE CLOSE & PRACTICAL, TYPICAL

MAINTAIN CONSISTENT DISTANCE FROM BACK OF CURB TO MAINLINE



**SYLVESTRIS DATE PALM GROUPS**

TYPICAL PLAN SEGMENT AND SECTION SCALE: 1" = 20'

- TREE/PALM BUBBLER, (2) .5 GPM BUBBLERS PER TREE/PALM WHERE SHOWN, TYPICAL

100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

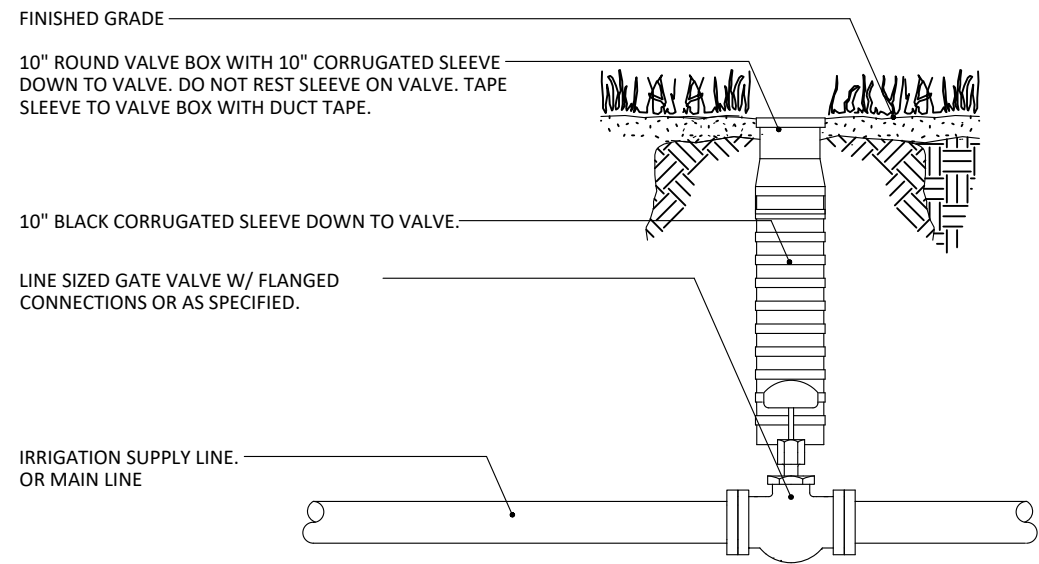
THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:	
DATE:	SEPTEMBER 2024
PROJECT #:	
REV	DATE DESCRIPTION

**BUBBLER PLACEMENT  
 DETAILS**

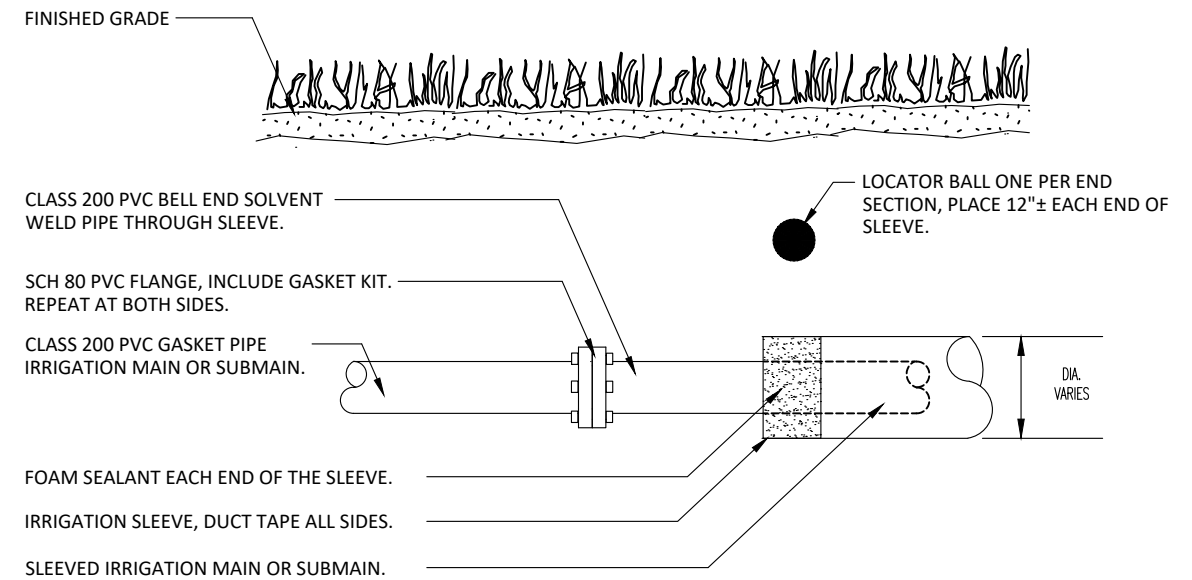
DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**IR-26**



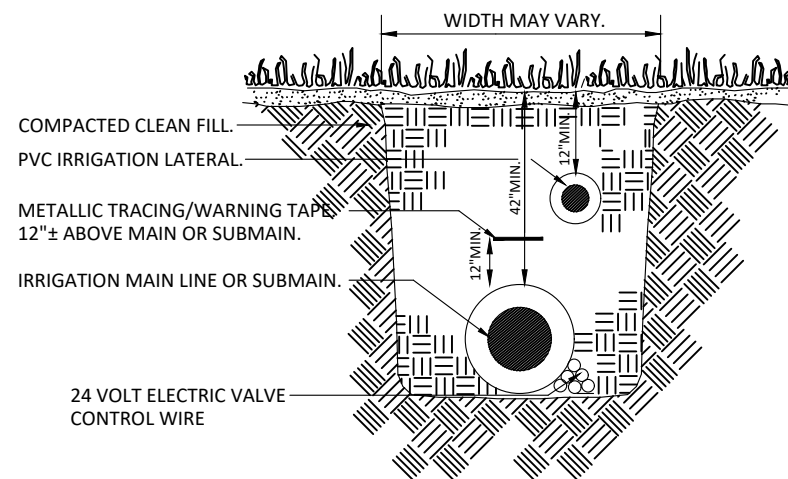
**MAIN LINE ISOLATION MANUAL GATE VALVE INSTALLATION DETAIL**

N.T.S.



**IRRIGATION SLEEVE SEALING DETAIL**

N.T.S.



ALL TRENCHING DEPTHS SHOWN ARE MINIMUM. IN THE EVENT THAT MINIMUM TRENCHING DEPTHS ARE NOT MET, THE TRENCHES SHALL BE RE-EXCAVATED.

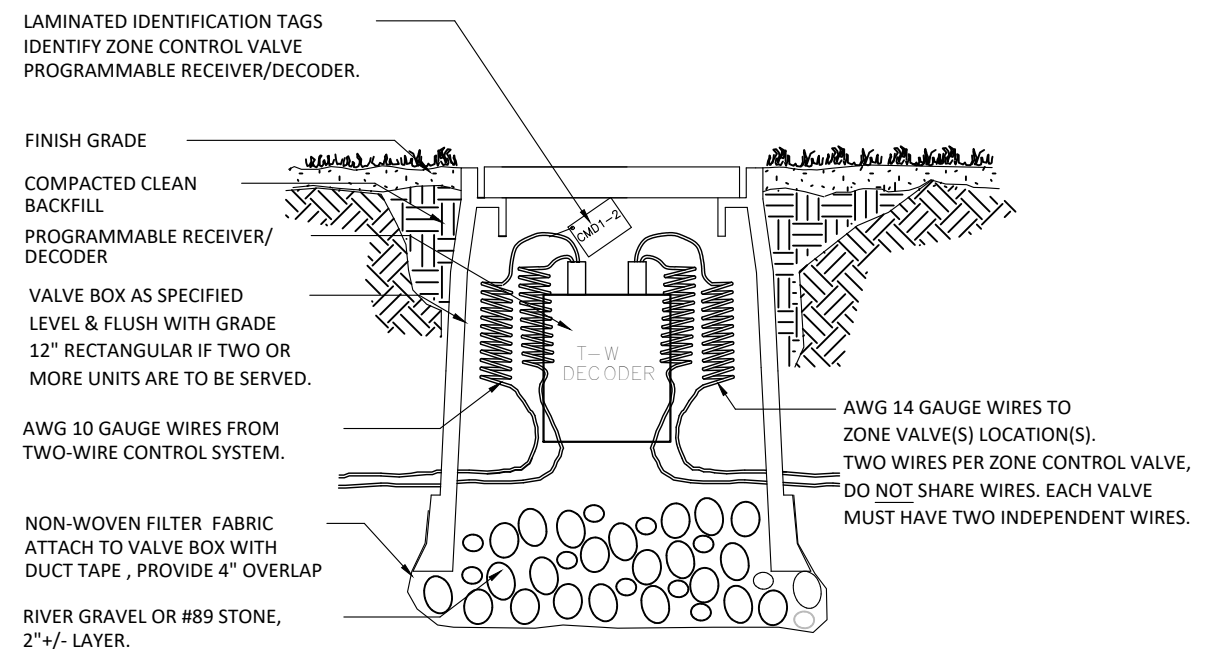
DEPTH MEASUREMENTS ARE TO BE DONE FROM FLUSH GRADE TO TOP OF PIPE.

PROVIDE A 30" MINIMUM VERTICAL SEPARATION BETWEEN MAIN/SUBMAIN LINE(S) AND LATERAL LINE(S).

ALL TRENCHES SHALL BE BACKFILLED WITH CLEAN SOIL FREE OF DEBRIS & NOXIOUS WEEDS. TRENCHES SHALL BE COMPACTED TO A 90% STANDARD PROCTOR DENSITY, ASTM D698-78.

**TYPICAL IRRIGATION MAIN TRENCHING DETAIL**

N.T.S.



NOTE:  
EACH ZONE CONTROL VALVE NOT CONNECTED DIRECTLY TO THE TWO-WIRE SYSTEM AWG 10 GAUGE WIRES MUST HAVE ITS OWN TWO WIRES. DO NOT SHARE AWG 14 GAUGE WIRES WITH OTHER ZONE CONTROL VALVES.

**TWO WIRE SPLICE BOX**

N.T.S.

100% SUBMITTAL SET



IN COORDINATION WITH:  
**AVALON ENGINEERING, INC.**  
2503 DEL PRADO BLVD. # 200  
CAPE CORAL, FL 33904

PREPARED FOR:  
**LEE COUNTY DEPARTMENT OF TRANSPORTATION**

**THREE OAKS PARKWAY EXTENSION**  
CONTRACT NO.: CN160642 / ANB  
LEE COUNTY, FL

REV	DATE	DESCRIPTION

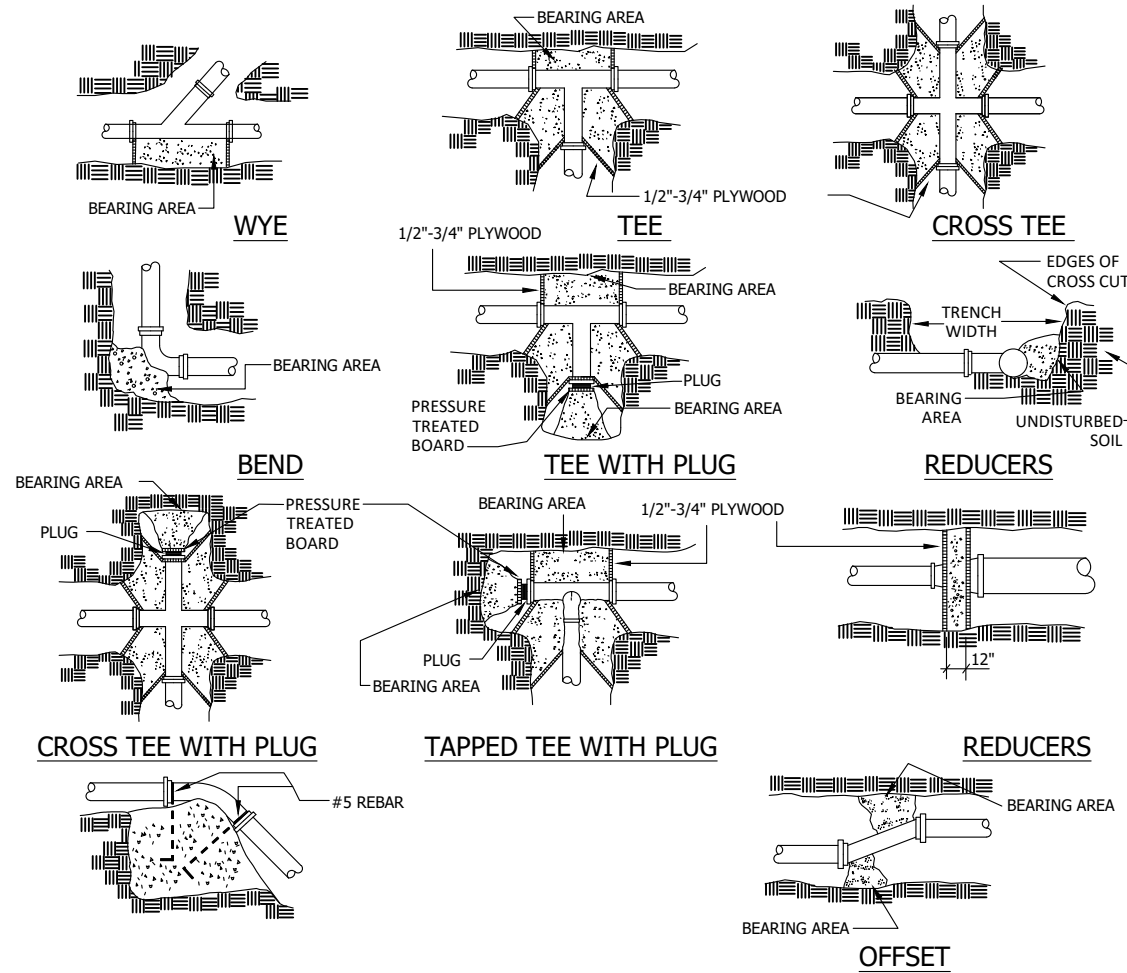
SCALE:  
DATE: SEPTEMBER 2024  
PROJECT #:

**IRRIGATION DETAILS**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**IR-27**





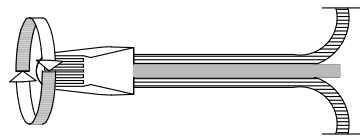
**NOTES:**

- ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH.
- PLACE BOARD IN FRONT OF ALL PLUGS BEFORE POURING THRUST BLOCKS.
- POUR THRUST BLOCKS AGAINST UNDISTURBED SOIL WHERE SOIL HAS BEEN DISTURBED, EXCAVATE LOOSE SOIL & EXTEND THRUST BLOCK TO UNDISTURBED SOIL.
- IN BACKFILLING, ANY MUCK ENCOUNTERED SHALL BE REMOVED & REPLACED WITH ACCEPTABLE MATERIAL.
- BACKFILL MATERIAL SHALL NOT INCLUDE ROCK OR BOULDERS.
- THRUST BLOCK AREAS BASED ON SOIL BEARING LOAD OF 2000 PSF AND LINE PRESSURE OF 150 PSI.
- ALL IRRIGATION LINES LARGER THAN 2" ARE TO BE THRUST BLOCKED AS 4" SIZE.

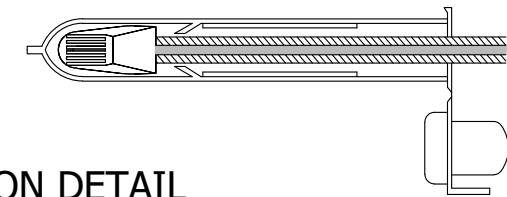
MINIMUM BEARING AREAS IN Sq.Ft. FOR THRUST BLOCKS.					
PIPE SIZE	TEES	90° BEND	45° BEND	22 1/2° BEND	VALVES & PLUGS
4"	1	1	1	1	1
6"	3	4	2	1	3
8"	5	7	4	2	5
10"	8	12	6	3	9
12"	12	16	9	5	12
16"	16	20	12	7	16
20"	24	20	17	10	24
24"	34	34	24	13	34

**TYPICAL THRUST BLOCKS INSTALLATION DETAIL**

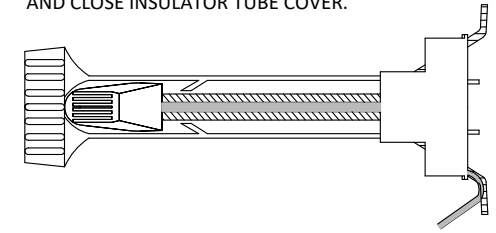
STEP NO. 1.  
STRIP WIRES AND APPLY SCOTCHLOK Y ELECTRICAL SPRING CONNECTOR IN A CLOCKWISE DIRECTION.



STEP NO. 2.  
INSERT SPLICE TO BOTTOM OF GEL-FILLED TUBE. VISUALLY CHECK TO MAKE SURE SCOTCHLOCK CONNECTOR HAS BEEN PUSHED PAST THE LOCKING FINGERS AND IS SEATED ON THE BOTTOM OF THE TUBE.



STEP NO. 3.  
POSITION WIRES IN WIRE CHANNELS AND CLOSE INSULATOR TUBE COVER.



**24 VOLT WIRE CONNECTOR DETAIL**

JUMBO VALVE BOX WITH LOCKABLE LID WITH 6" EXTENSION. SET ON BRICK SUPPORTS (4). PROVIDE NON-WOVEN FILTER FABRIC WITH 4" LAYER OF PEA GRAVEL ON TOP OF FILTER FABRIC. TAPE FILTER FABRIC TO EXTERIOR OF VALVE BOX WITH DUCT TAPE, PROVIDE A F.F. OVERLAP FROM BOTTOM OF BOX SHALL BE SET FLUSH AND LEVEL WITH GRADE.

1-1/4" MANUAL BRASS GATE VALVE. PROVIDE 6" LONG NIPPLE AT OUTLET

VALVE INLET SIZED SCH 40 PVC THREADED NIPPLE CONNECTED TO VALVE CUT OFF THREADED END AT FLANGED CONNECTION END AND SOLVENT WELD TO FLANGE.

FINISHED GRADE

10" ROUND VALVE BOX WITH 6" PVC SLEEVE DOWN TO VALVE. SLEEVE SHALL NOT BEAR ON VALVE.

2.5" SCH 80 PVC 45° LINE SIZED ELBOW CONNECTED TO FLANGED 2.5"X1-1/4" SCH 80 PVC FLANGE.

LINE SIZED GATE VALVE WITH FLANGED CONNECTIONS

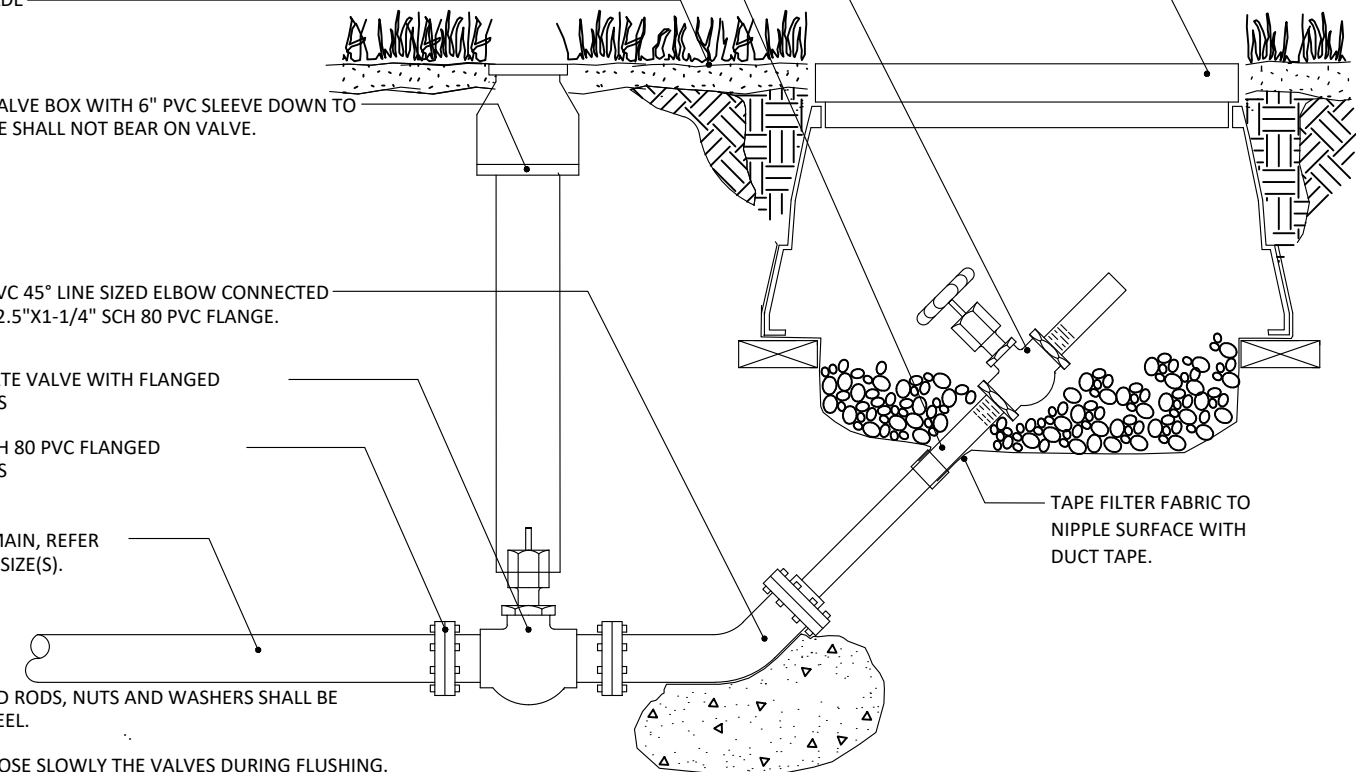
LINE SIZED SCH 80 PVC FLANGED CONNECTIONS

IRRIGATION MAIN, REFER TO PLAN FOR SIZE(S).

NOTES:  
ALL THREADED RODS, NUTS AND WASHERS SHALL BE STAINLESS STEEL.

OPEN AND CLOSE SLOWLY THE VALVES DURING FLUSHING. OPEN THE SMALLER VALVE FIRST, THEN OPEN THE LARGER VALVE. USE A MINIMUM TIME OF 30 SECONDS FOR OPENING OR CLOSING EACH VALVE UNDER PRESSURE.

**IRRIGATION MAIN/SUB-MAIN DOUBLE VALVE BLOW-OFF INSTALLATION DETAIL**



100% SUBMITTAL SET

**IRRIGATION DETAILS**



IN COORDINATION WITH:  
AVALON ENGINEERING, INC.  
2503 DEL PRADO BLVD. # 200  
CAPE CORAL, FL 33904

PREPARED FOR:  
LEE COUNTY  
DEPARTMENT OF  
TRANSPORTATION

THREE OAKS PARKWAY  
EXTENSION  
CONTRACT NO.: CN160642 / ANB  
LEE COUNTY, FL

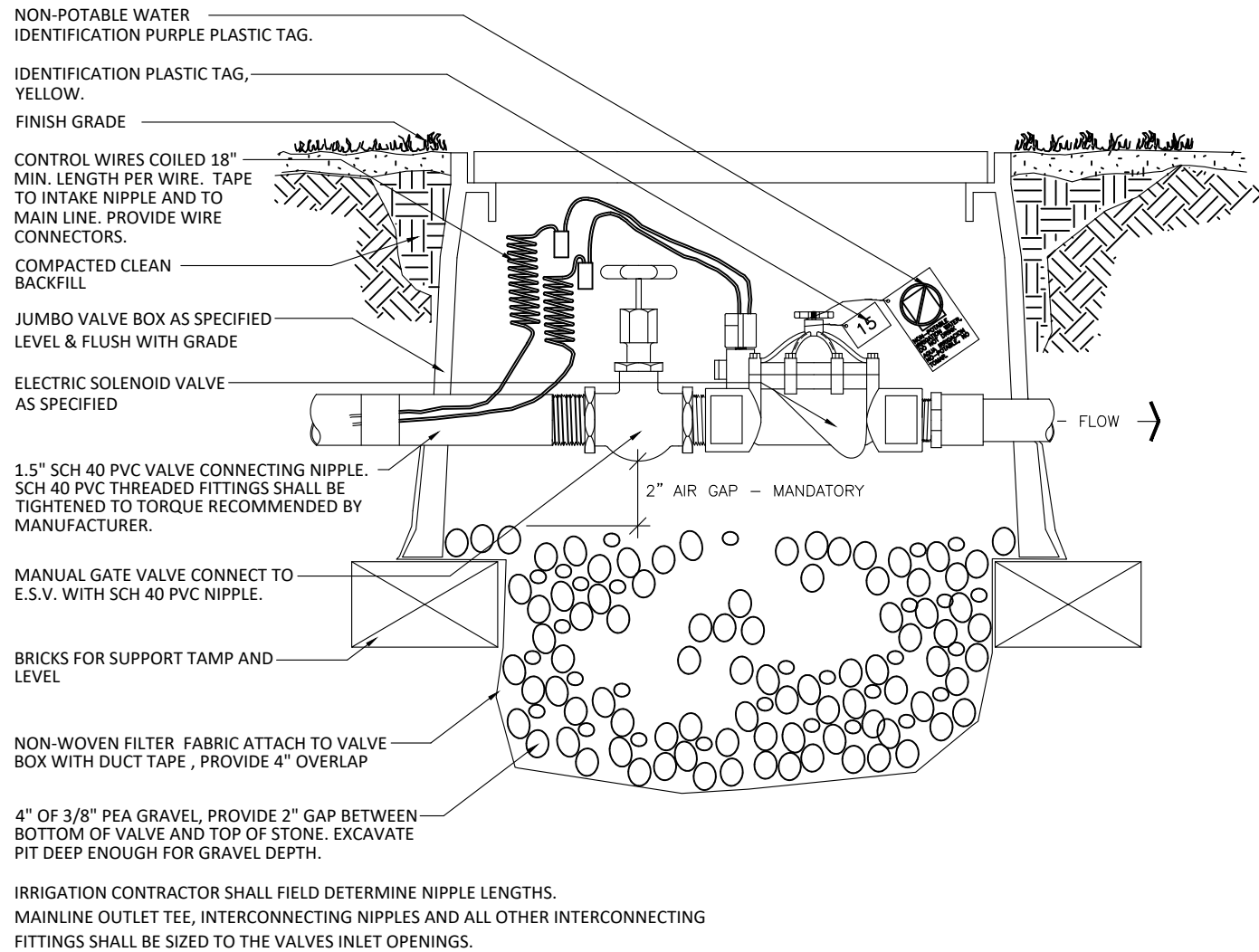
REV	DATE	DESCRIPTION

SCALE:  
DATE: SEPTEMBER 2024  
PROJECT #: N.T.S.

N.T.S.  
DAYNA L. FENDRICK, RLA #0001224

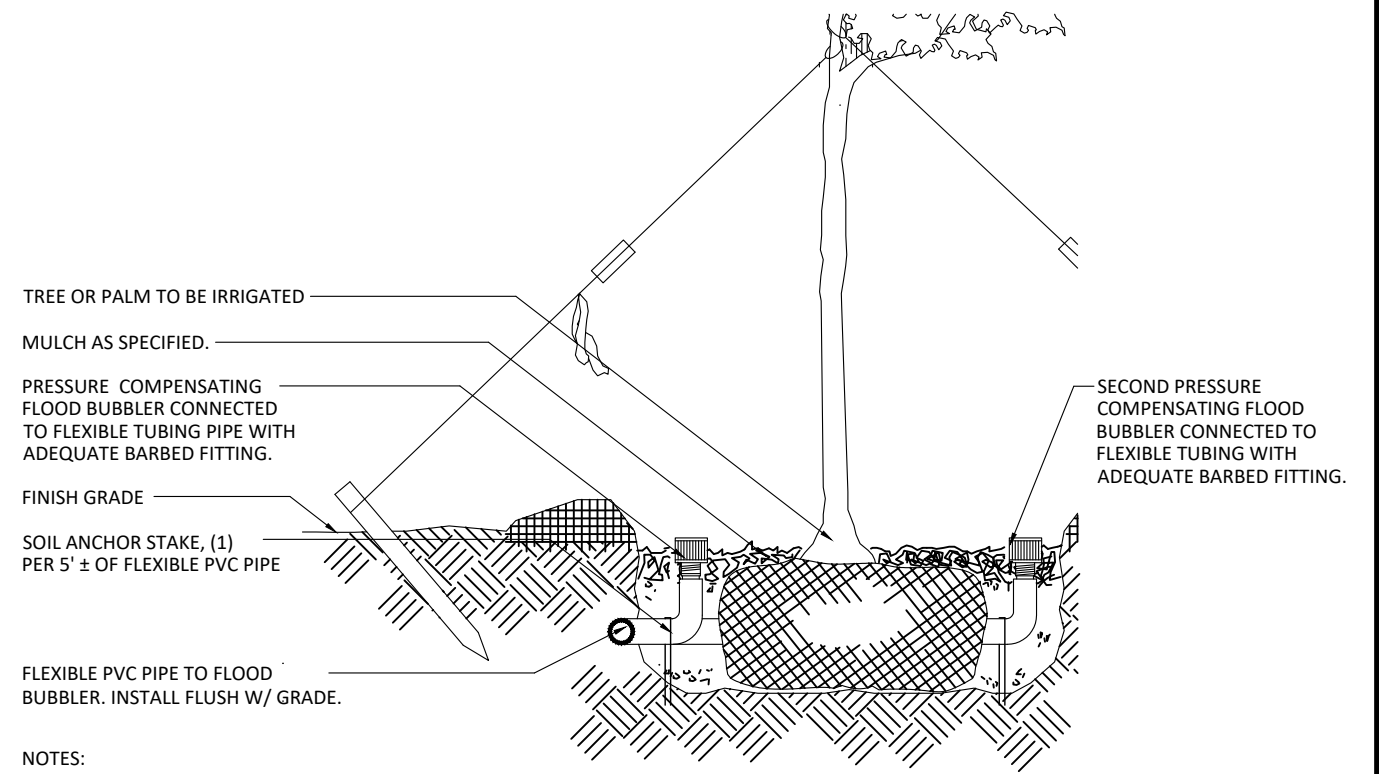
SHEET #

TR-28



**ELECTRIC SOLENOID VALVE WITH MANUAL GATE VALVE INSTALLATION DETAIL**

N.T.S.



**NOTES:**

- REFER TO PLAN OR BUBBLER LEGEND FOR BUBBLER QUANTITIES & NOZZLE SIZE PER TREE/PALM.
- BUBBLER(S) IS/ARE TO BE INSTALLED ADJACENT TO ROOTBALL PERIMETER. DO NOT INSTALL BUBBLER ON TOP OF ROOTBALL, NEXT TO TRUNK, INSTALL AT EDGE OF ROOTBALL.
- ON SLOPING GROUNDS, INSTALL BUBBLER(S) DIRECTLY UPHILL FROM THE TREE/PALM.
- IF MORE THAN ONE BUBBLER IS SPECIFIED, LOCATE BUBBLERS EQUIDISTANT AROUND ROOT BALL.

**IRRIGATION FLOOD BUBBLER FOR TREE OR PALMS INSTALLATION DETAIL**

N.T.S.

100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

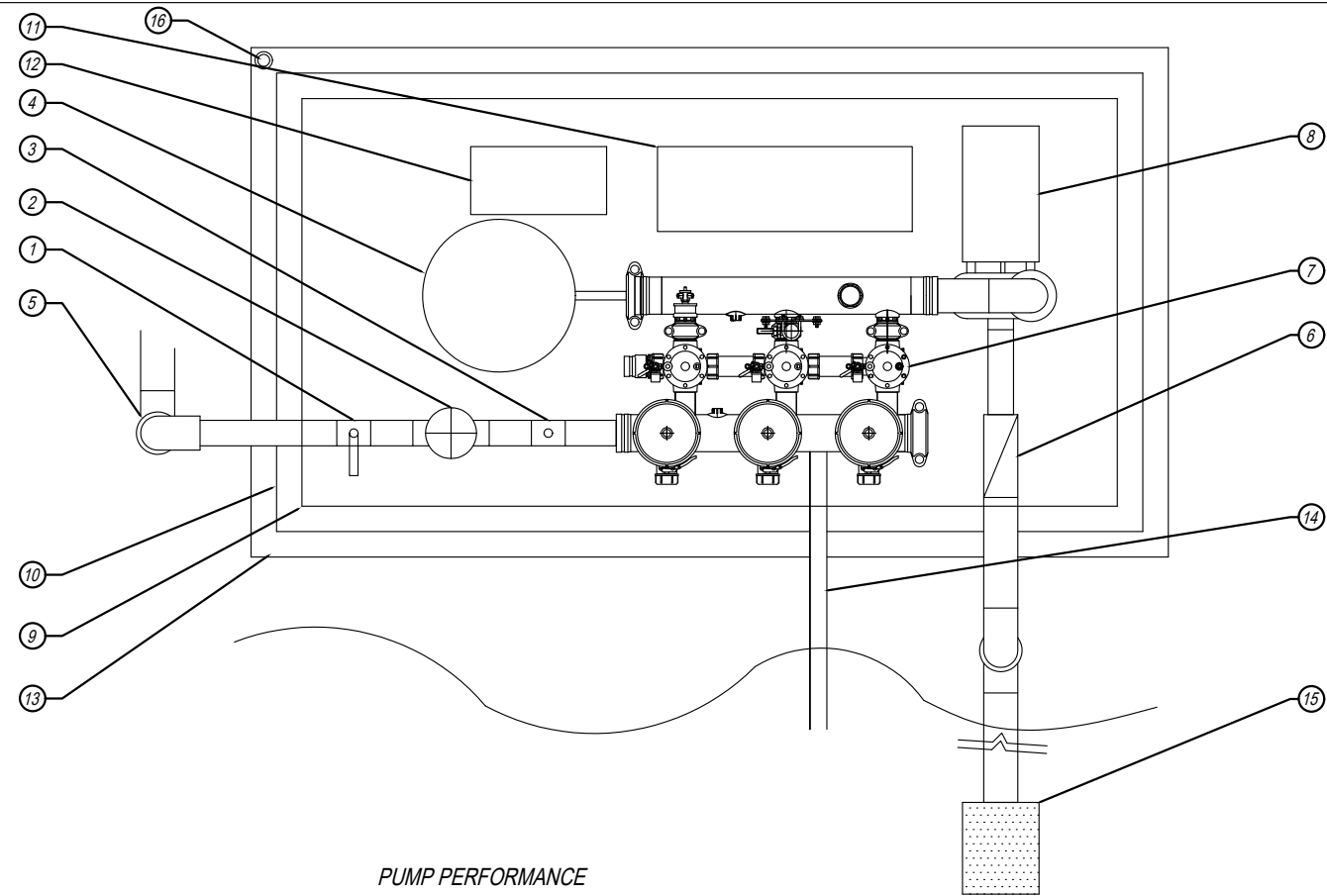
THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:		
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION DETAILS**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**IR-29**



- 1) DISCHARGE ISOLATION VALVE
- 2) RAINBIRD MASTER VALVE
- 3) HUNTER FLOW CLICK
- 4) PRESSURE TANK
- 5) ROLL GROOVE MANIFOLD
- 6) CHECK VALVE
- 7) NETAFIM DISC-KLEEN DISCHARGE FILTERS WITH AUTOMATIC FLUSH CONTROL
- 8) 10HP CENTRIFUGAL PUMP 120 GPM @ 60 PSI) WITH OVER HEAT PROTECTION
- 9) 8'W X 4'L X 5'H FOREST GREEN FIBERGLASS FLIP TOP COVER
- 10) 54"W X 100"L WELDED ALUMINUM FRAME
- 11) UL LISTED 3R CONTROL PANEL W/ VFD CONTROLS IN A FIBERGLASS ENCLOSURE WITH FAULT RESET/DETECTION CONTROLLER, LOSS OF PRIME, LOW PRESSURE, AND TRANSIENT SURGE PROTECTION
- 12) HUNTER ACC2 WITH RAIN SENSOR MOUNTED EXTERNALLY (PROVIDED BY OTHERS)
- 13) 60"W X 106"L X 4"T CONCRETE SLAB
- 14) 2" FILTER BACK WASH LINE
- 15) SELF-CLEANING LAKE INTAKE SCREEN ASSEMBLY
- 16) 1" SCH 80 PVC SXS COUPLING CAST IN PLACE FOR RAIN SENSOR MOUNTING POLE

**PUMP PERFORMANCE**  
120 GPM @ 60 PSI

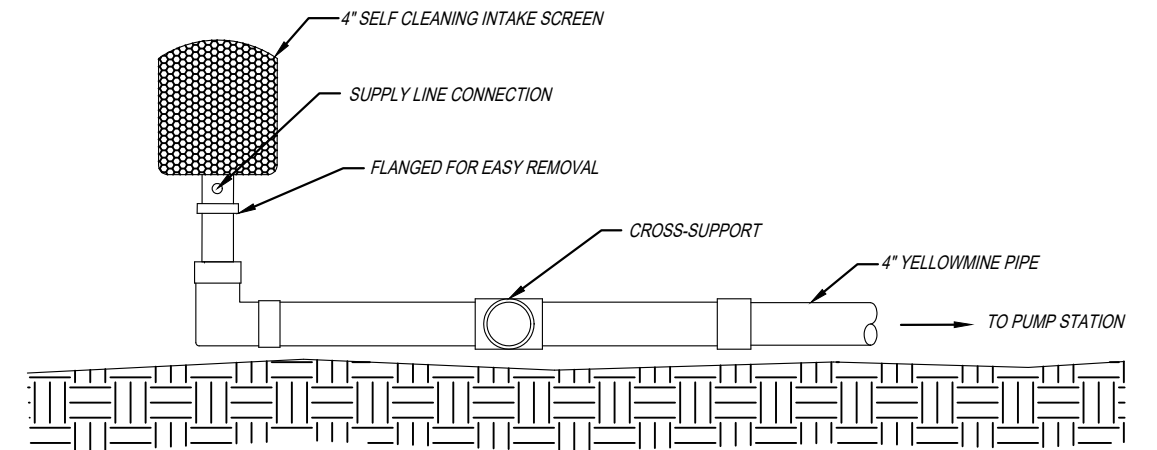
**MODEL # VFD-NETA-CENT-10-208-3**

**NAPLES ELECTRIC  
MOTOR WORKS, INC.**

2088 J&C BLVD.

NAPLES, FL 34109

PROVIDE A 1" SCH 80 PVC COUPLING CAST INTO THE CONCRETE PAD FOR THE RAIN SENSOR MOUNTING POLE. THE RAIN SENSOR SHALL BE A WIRELESS MODEL. THE RAIN SENSOR MOUNTING POLE SHALL BE A 1"X10" TALL SCH 80 PVC SECTION. SET COUPLING IN AN AREA CLEAR OF THE SHELL ACCESS HATCH.



**NAPLES ELECTRIC MOTOR WORKS**  
NAPLES, FL  
TEL. 239-591-1313

TO BE INSTALLED IN WATER WITH A MINIMUM DEPT OF 36"

**LAKESIDE PUMP STATION SCHEMATIC DETAIL**

N.T.S.

**SELF-CLEANING INTAKE SKID FOR CENTRIFUGAL PUMPS**

N.T.S.

100% SUBMITTAL SET



P.O. BOX 111841, NAPLES, FLORIDA 34108  
PHONE (239) 263-4029 FAX (239) 594-7091

IN COORDINATION WITH:



AVALON ENGINEERING, INC.  
2503 DEL PRADO BLVD. # 200  
CAPE CORAL, FL 33904

PREPARED FOR:  
LEE COUNTY  
DEPARTMENT OF  
TRANSPORTATION

THREE OAKS PARKWAY  
EXTENSION  
CONTRACT NO.: CN160642 / ANB  
LEE COUNTY, FL

SCALE:	
DATE:	SEPTEMBER 2024
PROJECT #:	
REV	DATE DESCRIPTION

**IRRIGATION DETAILS**

DAYNA L. FENDRICK, RLA #0001224

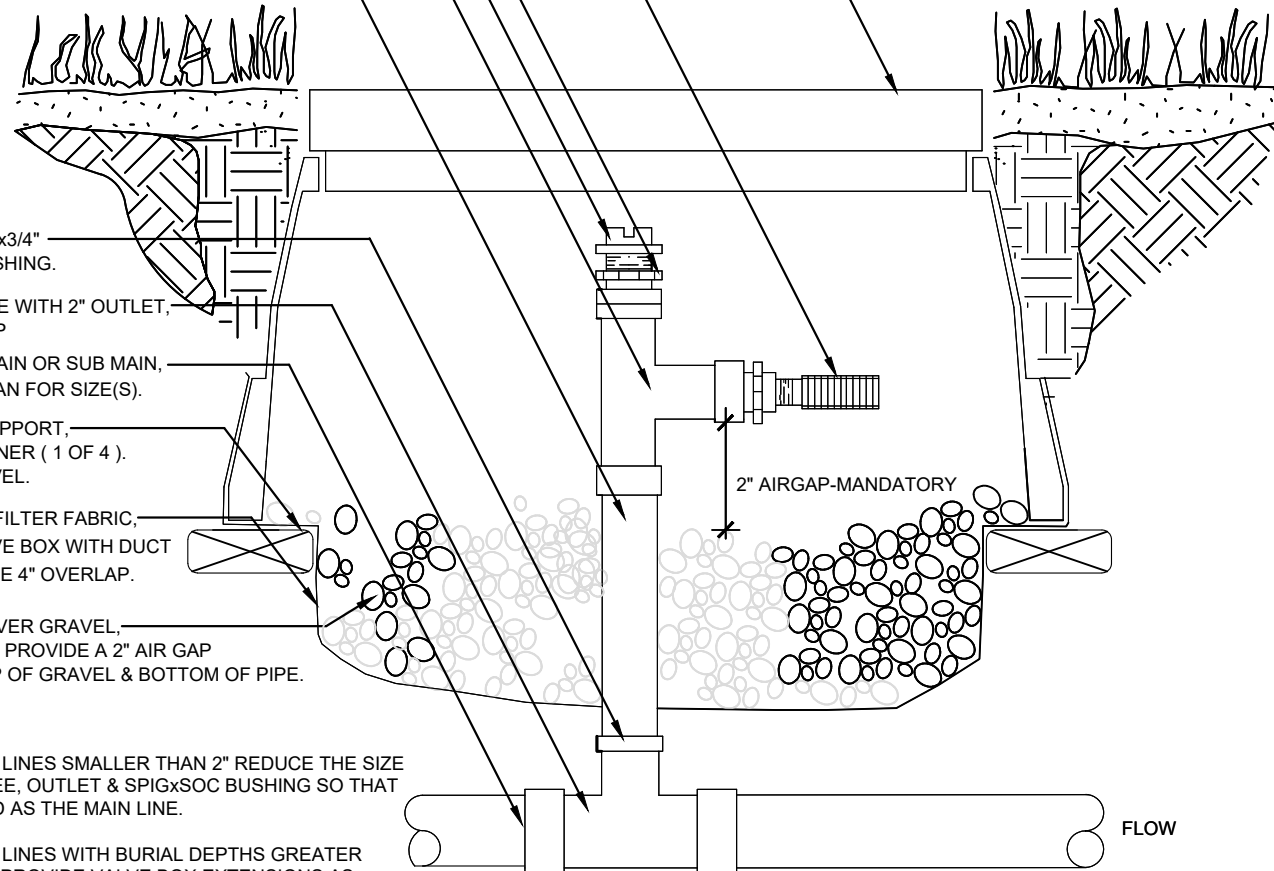
SHEET #  
**IR-30**

- LOCKABLE JUMBO VALVE BOX, COMPACT AND GRADE SOIL AROUND VALVE BOX.
- 0-100 PSI LIQUID FILLED PRESSURE GAUGE, CONNECT WITH TEFLON TAPE, 3 WRAPS MINIMUM. NUMBER FACE UP.
- SCH 40 PVC 3/4"x1/4" SPIGxFIPT FITTING
- SCHRADDER TYPE AIR VALVE, CONNECT WITH TEFLON TAPE, 3 WRAPS MINIMUM.
- SCH 40 PVC 3/4"x3/4"x3/4" TEE, SLIP @ ALL OUTLETS
- SCH 40 PVC 3/4" PIPE SECTION, FIELD DETERMINE LENGTH.

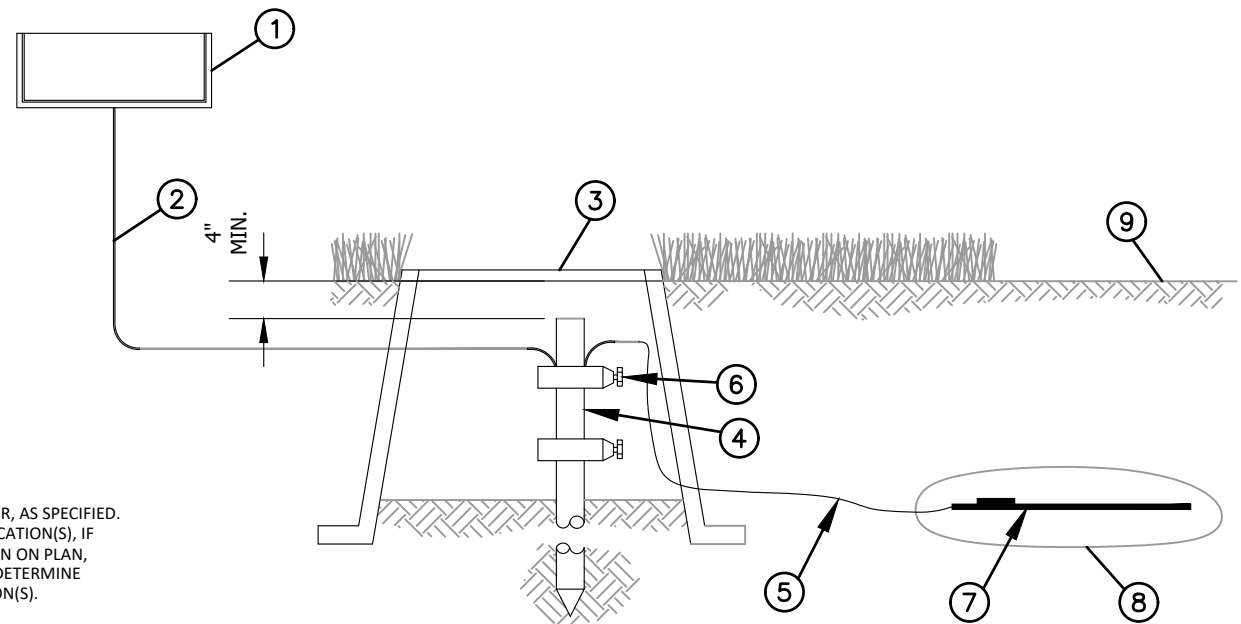
- SCH 40 PVC 2"x3/4" SPIGxSOC BUSHING.
- LINE SIZED TEE WITH 2" OUTLET, SLIPxSLIPxSLIP
- IRRIGATION MAIN OR SUB MAIN, REFER TO PLAN FOR SIZE(S).
- BRICK FOR SUPPORT, ONE PER CORNER ( 1 OF 4 ). TAMP AND LEVEL.
- NON-WOVEN FILTER FABRIC, TAPE TO VALVE BOX WITH DUCT TAPE, PROVIDE 4" OVERLAP.
- 1/2" ± DIAM. RIVER GRAVEL, 4" MIN. LAYER, PROVIDE A 2" AIR GAP BETWEEN TOP OF GRAVEL & BOTTOM OF PIPE.

**NOTES:**

- FOR MAIN LINES SMALLER THAN 2" REDUCE THE SIZE OF THE TEE, OUTLET & SPIGxSOC BUSHING SO THAT IT IS SIZED AS THE MAIN LINE.
- FOR MAIN LINES WITH BURIAL DEPTHS GREATER THAN 18", PROVIDE VALVE BOX EXTENSIONS AS NEEDED TO MEET THE SPECIFIED DEPTH.



AUTOMATIC CONTROLLER, AS SPECIFIED. REFER TO PLANS FOR LOCATION(S), IF LOCATION(S) NOT SHOWN ON PLAN, CONTRACTOR TO FIELD DETERMINE CONTROLLER(S) LOCATION(S).



- ① CONTROLLER
- ② SOLID BARE COPPER WIRE (#10 AWG) FROM GROUNDING ROD TO CONTROLLER. AS SHORT AND STRAIGHTS AS POSSIBLE
- ③ COVER GROUNDING ROD WITH #10 ROUND VALVE BOX AS SHOWN
- ④ 5/8-INCH X 10 FT COPPER CLAD GROUNDING ROD OR GROUNDING PLATE. INSTALL RODS IN SOIL IN A TRIANGULAR PATTERN SPACED A MINIMUM OF 16 FT APART FROM EACH OTHER. GROUNDING GRID TO HAVE A RESISTANCE OF TEN (10) OHMS OR LESS
- ⑤ BARE COPPER WIRE (#6 AWG MIN.) BETWEEN GROUNDING ROD AND GROUNDING PLATE
- ⑥ GROUND ROD CLAMP OR WELDS
- ⑦ COPPER GROUNDING PLATE
- ⑧ GROUND ENHANCEMENT MATERIAL (IF REQUIRED)
- ⑨ FINISH GRADE

**PRESSURE CHECK ASSEMBLY DETAIL**

N.T.S.

**GROUNDING PLATE AND ROD**

N.T.S.

100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL

SCALE:		
DATE:	SEPTEMBER 2024	
PROJECT #:		
REV	DATE	DESCRIPTION

**IRRIGATION DETAILS**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**IR-31**

# SPECIFICATIONS

RECTANGULAR VALVE BOX WITH LOCKABLE LID, SET ON (4) BRICK PAVER SUPPORTS (4). PROVIDE NON-WOVEN FILTER FABRIC WITH 4" LAYER OF PEA GRAVEL ON TOP OF FILTER FABRIC. TAPE FILTER FABRIC TO EXTERIOR OF VALVE BOX WITH DUCT TAPE, PROVIDE A 4" F.F. OVERLAP FROM BOTTOM OF BOX. BOX SHALL BE SET FLUSH AND LEVEL WITH GRADE.

SCH 80 PVC 1-1/4" BALL VALVE AT END OF MANIFOLD, MAIN OR SUBMAIN. PROVIDE 6" LONG SCH 40 PVC NIPPLE AT OUTLET.

PEA GRAVEL OR RIVER ROCK, 1/2"± DIAMETER 4" MIN DEPTH.

FINISHED GRADE

NON-WOVEN FILTER FABRIC, TAPE TO VALVE BOX WITH DUCT TAPE PROVIDE A 4" OVERLAP  
PAVER BRICKS FOR SUPPORT, ONE AT EACH CORNER.

SCH 40 PVC 45° ELL.

VALVE'S MANIFOLD/MAIN/SUBMAIN PIPING WITH ELL FITTING TO PVC BLOW-OFF ASSEMBLY.

TAPE FILTER FABRIC TO NIPPLE SURFACE WITH DUCT TAPE.  
VALVE INLET SIZED SCH 40 PVC NIPPLE CONNECTED TO VALVE. FIELD DETERMINE LENGTH, AND PROVIDE ADAPTER TO CONNECT TO VALVE.

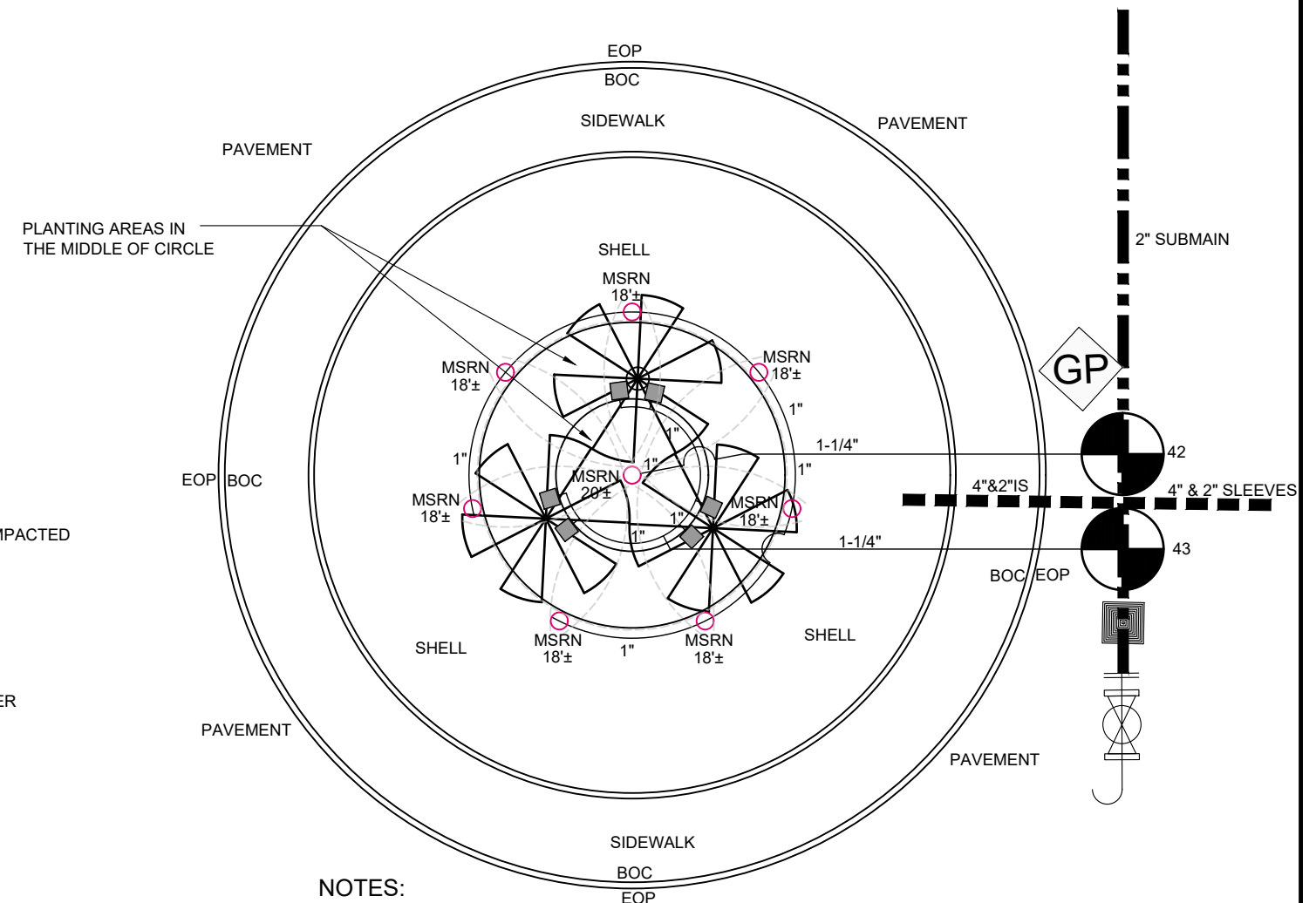
CLEAN, COMPACTED BACKFILL.

NON-WOVEN FILTER FABRIC,

## NOTES:

- IRRIGATION CONTRACTOR SHALL FIELD DETERMINE THE TYPE OF VALVES' ASSEMBLY MANIFOLD/MAIN/SUBMAIN FITTING SUITABLE FOR PROVIDING A P.O.C. TO THE BLOW-OFF ASSEMBLY.
- ALL BACKFILL SOIL SHALL BE CLEAN AND COMPACTED, FREE OF ROCKS AND DEBRIS.
- LOCATE & ALIGN THE VALVE SO THAT THE OUTLET & ITS NIPPLE ARE NOT CROWDING THE VALVE BOX'S WALL FOR DISCHARGE/FLUSHING EASE.
- TOP OF VALVE BOX SHALL BE INSTALLED ABOUT .5"± ABOVE FINISH GRADE SO THAT BOX'S TOP OF LID IS FLUSH W/ SOD.

## PVC BLOW-OFF ASSEMBLY DETAIL



## NOTES:

- IRRIGATION AT ROUNDABOUT SHALL CONSIST OF TWO ZONES. ONE ZONE FOR PLANTING AREAS, AND ANOTHER ZONE FOR PALMS' BUBBLERS.
- 2" IRRIGATION SUBMAIN.ZONE CONTROL VALVES, GROUNDING EQUIPMENT, PRESSURE CHECK & BLOW-OFF ASSEMBLIES SHALL REMAIN ACROSS THE STREET FROM CIRCLE.
- PAVED SURFACES CROSSING SLEEVE SHALL BE A 4" SCH 80 PVCV.
- MSRN = 6" POP-UP SPRAY BODY WITH MULTI-STREAM ROTATING NOZZLE. NOZZLE RANGE AS SHOWN, ADJUST PATTERN AS NEEDED.
- REFER TO SHEET IR-24 FOR RIGHT OF WAY LAYOUT.
- FIELD ADJUST AS NEEDED.

## ROUNDABOUT IRRIGATION ENLARGEMENT

100% SUBMITTAL SET



IN COORDINATION WITH:  
 AVALON ENGINEERING, INC.  
2503 DEL PRADO BLVD. # 200  
CAPE CORAL, FL 33904

PREPARED FOR:  
LEE COUNTY  
DEPARTMENT OF  
TRANSPORTATION

THREE OAKS PARKWAY  
EXTENSION  
CONTRACT NO.: CN160642 / ANB  
LEE COUNTY, FL

SCALE:	
DATE:	SEPTEMBER 2024
PROJECT #:	
REV	DATE DESCRIPTION

# IRRIGATION SPECIFICATIONS & SCHEDULE

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**IR-32**

# IRRIGATION CONTROLLER PHASE I RESTRICTIONS (THREE NIGHTS PER WEEK, TWO HOURS, TWENTY MINUTES PER NIGHT) RECOMMENDED SCHEDULE TABLE

CYCLE	PROGRAM "A"	PROGRAM "B"	PROGRAM "C"	PROGRAM "D"	PROGRAM "E"	PROGRAM "F"	EST. PEAK FLOW DEMAND
1	1 (20 MIN.) 12:00	8 (20 MIN.) 12:00	15 (20 MIN.) 12:00	22 (20 MIN.) 12:00	29 (20 MIN.) 12:00	36 (20 MIN.) 12:00	70+/- GPM
2	2 (20 MIN.) 12:20	9 (20 MIN.) 12:20	16 (20 MIN.) 12:20	23 (20 MIN.) 12:20	30 (20 MIN.) 12:20	37 (20 MIN.) 12:20	86.5+/- GPM
3	3 (20 MIN.) 12:40	10 (20 MIN.) 12:40	17 (20 MIN.) 12:40	24 (20 MIN.) 12:40	31 (20 MIN.) 12:40	38 (40 MIN.) 12:40	75.5+/- GPM
2	4 (20 MIN.) 1:00	11 (20 MIN.) 1:00	18 (20 MIN.) 1:00	25 (20 MIN.) 1:00	32 (20 MIN.) 1:00	38 CONTINUE 1:00	106+/- GPM
5	5 (20 MIN.) 1:20	12 (20 MIN.) 1:20	19 (20 MIN.) 1:20	26 (20 MIN.) 1:20	33 (20 MIN.) 1:20	39 (20 MIN.) 1:20	76.5+/- GPM
6	6 (20 MIN.) 1:40	13 (20 MIN.) 1:40	20 (20 MIN.) 1:40	27 (20 MIN.) 1:40	34 (20 MIN.) 1:40	OPEN 1:40	84.5+/- GPM
7	7 (20 MIN.) 2:00	14 (20 MIN.) 2:00	21 (20 MIN.) 2:00	28 (20 MIN.) 2:00	35 (20 MIN.) 2:00		67.5+/- GPM
8	OPEN 2:20	OPEN 2:20	OPEN 2:20	OPEN 2:20	OPEN 2:20	OPEN 1:40	0+/- GPM
EST. RUN TIME	140+/- MIN. 2 HOURS, 20+/- MIN.	140+/- MIN. 2 HOURS, 20+/- MIN.	140+/- MIN. 2 HOURS, 20+/- MIN.	140+/- MIN. 2 HOURS, 20+/- MIN.	140+/- MIN. 2 HOURS, 0+/- MIN.	100+/- MIN.* 1 HOUR, 40+/- MIN.	

ESTIMATED MAXIMUM RUN TIME FOR ALL PROGRAMS: 140+/- MINUTES; 2 HOURS, 20 MINUTES.

ESTIMATED PEAK FLOW DEMAND: 106+/- GPM.

ESTIMATED AVERAGE FLOW DEMAND: 76+/- GPM.

\* = PROVIDE DELAY START TIME AS NEEDED IN ORDER TO MEET PROPOSED OPERATING SCHEDULE.

AT THE TIME OF DESIGN DEDICATED BUBBLERS IRRIGATION ZONES WERE EXEMPT FROM IRRIGATION RESTRICTIONS. A THREE NIGHTS PER WEEK WATERING SCHEDULE IS RECOMMENDED FOR ESTABLISHMENT PURPOSES (THREE YEARS) WHILE THE TREES AND PALMS BECOME ESTABLISHED.

DUE TO THE LENGTH OF THE MAIN LINE LENGTHS IT IS RECOMMENDED TO NOT EXCEED FLOWS OF 17± GPM FOR ZONES AT THE FARTHEST MAIN/SUBMAIN SECTIONS FROM THE IRRIGATION PUMP STATION.

IT IS RECOMMENDED TO USE THE CONTROLLER'S MULTIPLE PROGRAMMING CAPABILITY TO CREATE FLOW DEMANDS THAT CAN BE WITHIN THE PUMP STATION'S PEAK OPERATING RANGE AS MUCH AS POSSIBLE, AND REDUCE THE PUMP STATION'S OPERATING TIME FOR TO REDUCE ELECTRIC SERVICE CONSUMPTION, AND REDUCE WEAR AND TEAR FOR THE PUMP STATION.

100% SUBMITTAL SET



IN COORDINATION WITH:  
  
 AVALON ENGINEERING, INC.  
 2503 DEL PRADO BLVD. # 200  
 CAPE CORAL, FL 33904

PREPARED FOR:  
 LEE COUNTY  
 DEPARTMENT OF  
 TRANSPORTATION

THREE OAKS PARKWAY  
 EXTENSION  
 CONTRACT NO.: CN160642 / ANB  
 LEE COUNTY, FL



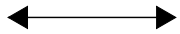








	SCALE:	
	DATE:	SEPTEMBER 2024
	PROJECT #:	
REV	DATE	DESCRIPTION

**IRRIGATION  
 SPECIFICATIONS &  
 SCHEDULE**






DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**IR-33**

**IRRIGATION SCHEDULE**

SYMBOL	DESCRIPTION	EST. QTY.
	IRRIGATION WATER SOURCE: LAKESIDE DRAW WITH A PUMP STATION CAPABLE OF PROVIDING FLOW CAPACITY OF +/- 120 GPM WITH REQUIRED MINIMUM PRESSURE OF +/- 65 PSI. THE PUMP STATION SHALL INCORPORATE AUTOMATED FILTRATION & PROTECTIVE, LOCKABLE FIBERGLASS ENCLOSURE. OWNER & PROJECT ENGINEER SHALL SELECT PUMP STATION MANUFACTURER & MODEL BASED ON OWNER'S PREFERENCE, FEATURES, & OPERATING CHARACTERISTICS, BY NAPLES ELECTRIC MOTORWORKS, OR EQUAL. ELECTRIC SERVICE REQUIREMENTS: THREE PHASE 208V.	1
	IRRIGATION CONTROLLER & RAIN SENSOR: HUNTER ACC2 DECODER 75-STATION CONTROLLER MOUNTED INSIDE PUMP STATION, WITH A WIRELESS RAIN-CLIK RAIN SENSOR. POUTSIDE PUMP STATION SHELL/ENCLOSURE.FINAL LOCATION SHALL BE FIELD DETERMINED BY PROJECT MANAGER, AT A LOCATION ACCESSIBLE TO MAINTENANCE PERSONNEL. PROVIDE DEDICATED THREE PHASE POWER, AS AVAILABLE. GROUND SYSTEM PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE WITH PUMP STATION MANUFACTURER.	1
	LATERAL LINES: 1120-1220 CLASS 200 PVC SOLVENT WELD PIPE WITH SCH 40 PVC FITTINGS, PANTONE PURPLE 522C, 12"± DEPTH. 1" - 2"	1,120± LF
	IRRIGATION MAIN: 1120-1220 3" CLASS 200 PVC GASKETED BELL PIPE WITH SCH 80 PVC INTERCONNECTING FITTINGS, PANTONE PURPLE 522C. INSTALLATION DEPTH, 30"±.	14,560± LF
	IRRIGATION SUB-MAIN: 2" 1120-1220 CLASS 200 PVC SOLVENT WELD PIPE WITH SCH 40 PVC FITTINGS, PANTONE PURPLE 522C, 24"± DEPTH.	1560± LF
	SCH 40 SLEEVING, 4" OR 6" AS NOTED	TBD LF
	SCH 40 SLEEVING, 2" FOR CONTROL VALVE WIRING	TBD LF
	ZONE CONTROL VALVES: HUNTER ICV-101G-FS, 1" ELECTRIC SOLENOID VALVE. INSTALL HUNTER SINGLE STATION DECODER IN EACH VALVE BOX	39
NO SYMBOL	TREE/PALM BUBBLER HYDRANT: HUNTER PCB UMBRELLA BUBBLER NOZZLE. PROVIDE QUANTITY PER DESIGNATED TREE/PALM AS SHOWN ON BUBBLER REFERENCE TABLE TWO - .5 GPM BUBBLERS PER TREE/PALM - LARGE CANOPY TREES FLOWERING TREES AND PALMS. ONE - .5 GPM BUBBLER PER SMALL TREE & UNDERSTORY PALMS	43
NO SYMBOL	IRRIGATION CONTROL WIRING: ID1, 14-2, 14AWG DECODER TWO-WIRE JACKETED CABLE SUITABLE FOR DIRECT BURIAL APPLICATIONS AND TWO-WIRE SYSTEMS. PROVIDE DBR WIRE CONNECTORS IN ACCORDANCE W/ MANUFACTURER'S SPECIFICATIONS.	17,750 LF
	MAIN ISOLATION VALVE: NIBCO P-619RW 3" CAST IRON GATE VALVE, SAME SIZE AS MAINLINE PIPE WHERE LOCATED. RESILIENT WEDGE NON-RISING STEM FLOW CONTROL WITH IPS PUSH-ON ENDS.	12
	MAIN ISOLATION VALVE: NIBCO P-619RW 2" CAST IRON GATE VALVE, SAME SIZE AS MAINLINE/SUBMAIN PIPE WHERE LOCATED. RESILIENT WEDGE NON-RISING STEM FLOW CONTROL WITH IPS PUSH-ON ENDS.	12
	GROUNDING PLATE OR ROD: INSTALL 10' AWAY FROM WIRE PATH USE ROD IN AREAS THAT ARE TOO NARROW FOR THE PLATE	15

**IRRIGATION SCHEDULE**

SYMBOL	DESCRIPTION	EST. QTY.
	PROPOSED 2-1/2" IRRIGATION MAIN DOUBLE VALVE BLOW-OFF ASSEMBLY: 2-1/2" FLANGED CONNECTION VALVE WITH SQUARE NUT, WITH 1-1/4" SCH 80 PVC INTERCONNECTING FITTINGS, 1-1/4" MATCO 514 SERIES ISOLATION VALVE, VALVE BOXES, 10" CORRUGATED PLASTIC ACCESS SLEEVE. USE AT FARTHES LOCATIONS FROM THE PUMP STATION. REFER TO INSTALLATION DETAIL.	2
	PROPOSED IRRIGATION MAIN/SUBMAIN SINGLE VALVE BLOW-OFF ASSEMBLY: 1-1/4" MATCO MATCO 514 SERIES ISOLATION VALVE W/ SCH 80 PVC INTERCONNECTING FITTINGS, JUMBO VALVE BOX. REFER TO INSTALLATION DETAIL.	9
	MAIN & SUBMAIN PRESSURE CHECK ASSEMBLY. REFER TO INSTALLATION DETAIL	11
	MSRN HYDRANT: 6" POP-UP SPRAY BODY WITH HUNTER MP ROTATOR MULTI-STREAM ROTATING NOZZLE (MP 2000 SERIES), REFER TO SCHEMATIC ENLARGEMENT DETAIL FOR AREA ENLARGEMENT. INSTALLATION STANDARD IN ACCORDANCE TO HUNTER INDUSTRIES APPLICABLE SPECIFICATIONS.	8
	TREES/PALMS & UNDERSTORY PLANTINGS BUBBLER HYDRANTS: HUNTER PCN SERIES PRESSURE COMPENSATING FLOOD BUBBLER NOZZLES. REFER TO SCHEMATIC LAYOUT DETAIL FOR APPLICABLE INSTALLATION ASSEMBLIES, AND BUBBLER NOZZLE DISCHARGE RATES. INSTALLATION STANDARD IN ACCORDANCE TO HUNTER INDUSTRIES APPLICABLE SPECIFICATIONS.	DUAL BUBBLER ASSEMBLIES - TBD SINGLE BUBBLER ASSEMBLIES - TBD

1	VALVE NUMBER
1.0"	VALVE SIZE
20 GPM	ZONE FLOW DEMAND

TBD TO BE DETERMINED BY IRRIGATION CONTRACTOR PRIOR TO SUBMITTING BIDS.


BIDDING CONTRACTORS SHALL PREPARE BIDS BASED ON ACTUAL COUNTS PERFORMED BY THEIR STAFF. PROVIDE QUANTITY ADJUSTMENTS AS NEEDED.

IRRIGATION CONTRACTOR SHALL THE IRRIGATION CONTROLLER TO BE INCORPORATED INTO THE PUMP STATION. COORDINATE WITH PUMP STATION MANUFACTURER.

IRRIGATION CONTRACTOR SHALL INCLUDE IN BID ELECTRIC SERVICE COST(S) FOR PUMP STATION AND CONTROLLER. COORDINATE WITH GENERAL AND ELECTRIC SERVICE CONTRACTORS.

100% SUBMITTAL SET



IN COORDINATION WITH:  
  
AVALON ENGINEERING, INC.  
2503 DEL PRADO BLVD. # 200  
CAPE CORAL, FL 33904

PREPARED FOR:  
LEE COUNTY  
DEPARTMENT OF  
TRANSPORTATION

THREE OAKS PARKWAY  
EXTENSION  
CONTRACT NO.: CN160642 / ANB  
LEE COUNTY, FL

SCALE:	
DATE:	SEPTEMBER 2024
PROJECT #:	
REV	DATE DESCRIPTION

**IRRIGATION  
SPECIFICATIONS &  
SCHEDULE**

DAYNA L. FENDRICK, RLA #0001224

SHEET #  
**IR-34**