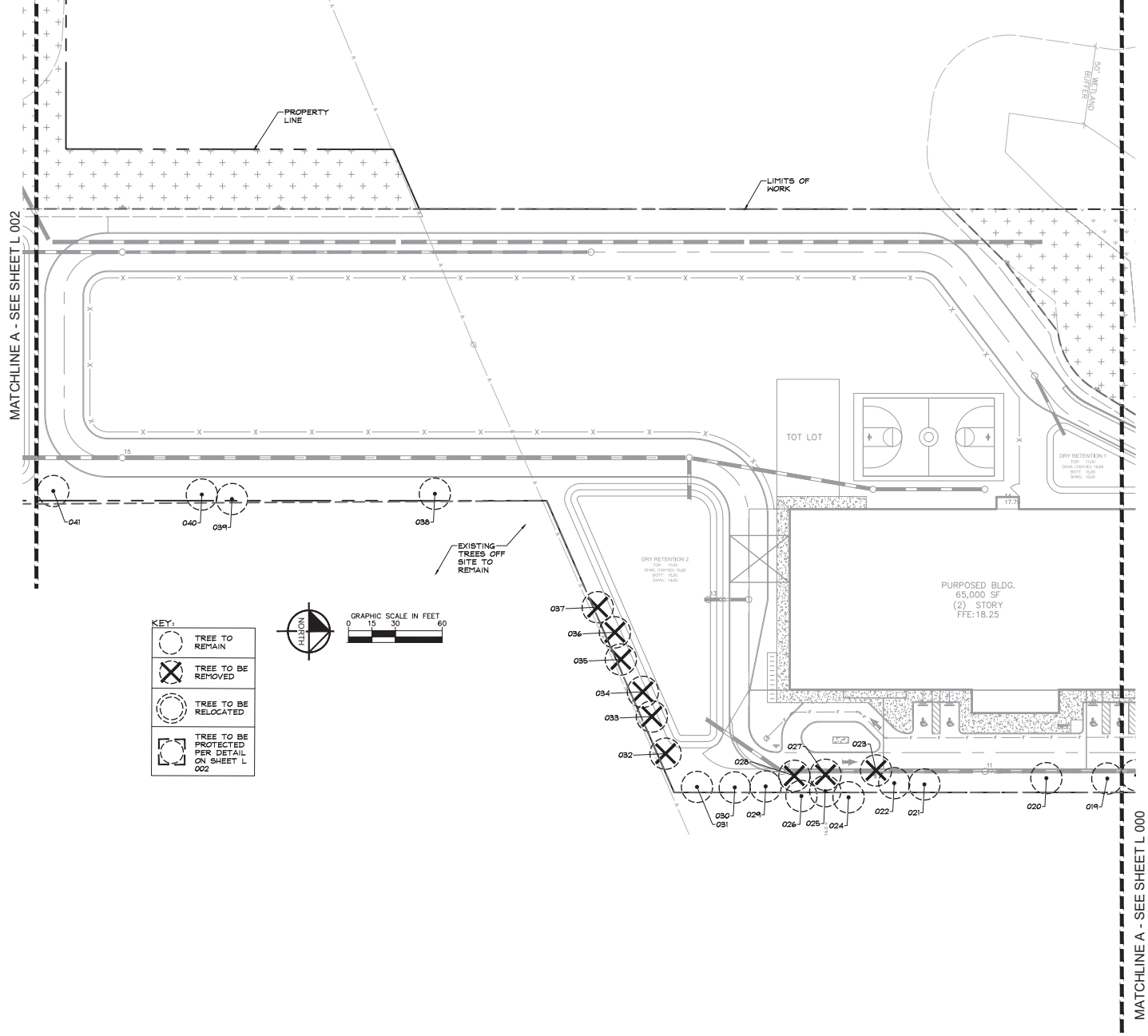
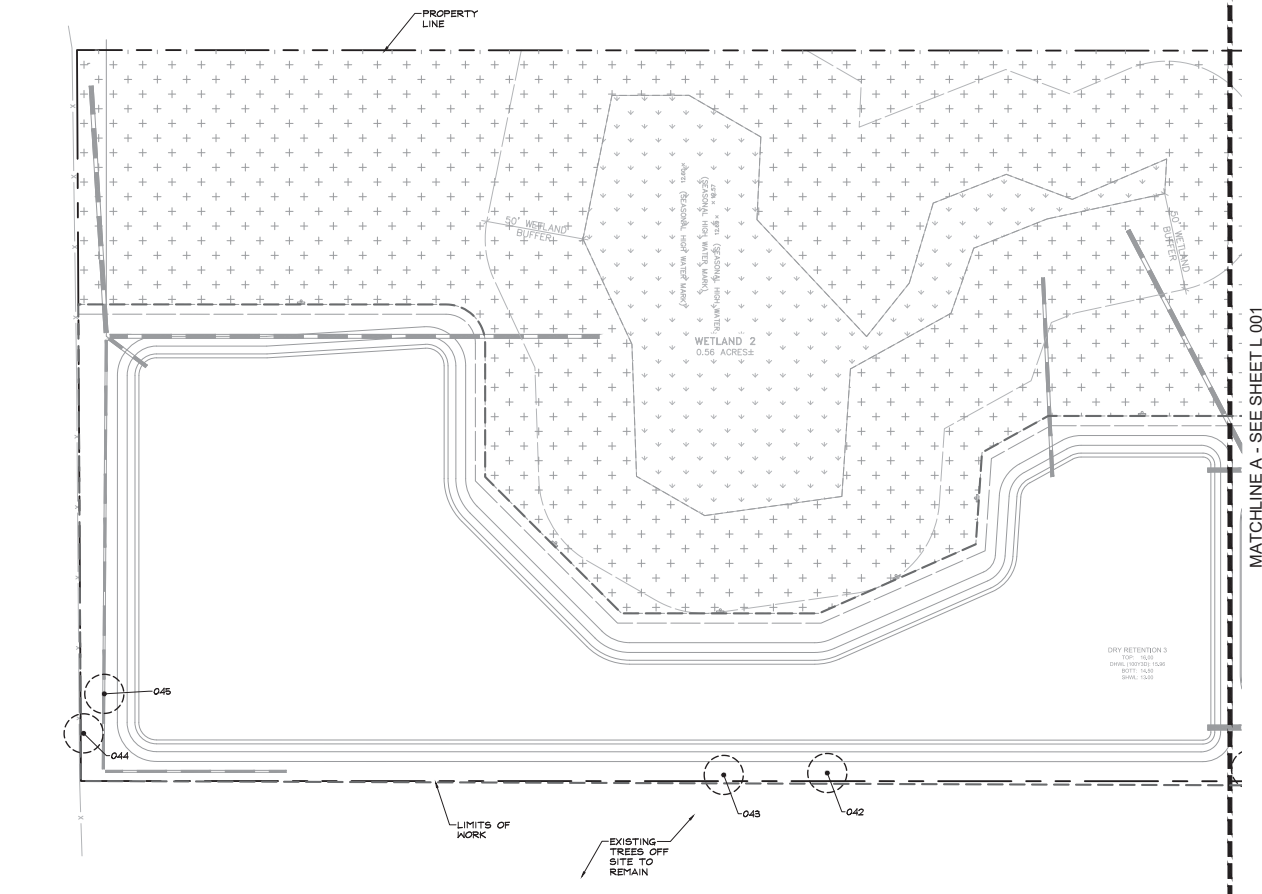


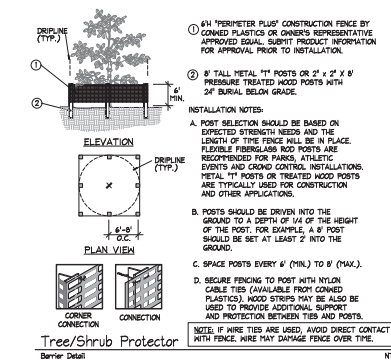
Project: Treasure Coast Classical Academy, 1000 S. US Highway 1, Palm Bay, FL 32909
Client: Summit Const. Group, 1000 S. US Highway 1, Palm Bay, FL 32909
Date: 08/08/2018
Drawn by: J. Kimley-Horn
Checked by: J. Kimley-Horn
Project No.: 1823-45-0400
Sheet No.: L 001
Scale: AS SHOWN
Notes: 1. This drawing is a preliminary design and is not to be used for construction without the approval of the engineer.
2. The engineer is not responsible for the accuracy of the information provided by others.
3. The engineer is not responsible for the accuracy of the information provided by others.
4. The engineer is not responsible for the accuracy of the information provided by others.
5. The engineer is not responsible for the accuracy of the information provided by others.
6. The engineer is not responsible for the accuracy of the information provided by others.
7. The engineer is not responsible for the accuracy of the information provided by others.
8. The engineer is not responsible for the accuracy of the information provided by others.
9. The engineer is not responsible for the accuracy of the information provided by others.
10. The engineer is not responsible for the accuracy of the information provided by others.



TREASURE COAST CLASSICAL ACADEMY PREPARED FOR SUMMIT CONST. GROUP FL		TREE DISPOSITION PLAN		Kimley»Horn © 2018 KIMLEY-HORN AND ASSOCIATES, INC. 116 SOUTH KENTUCKY AVENUE, LAKELAND, FL 33801 WWW.KIMLEY-HORN.COM CA 00000696		REVISIONS		DATE		BY	
SHEET NUMBER L 001											



TREE DISPOSITION							
D.B.H.	MIN	CREDITS REQ.	SOFTWOOD REMOVED	HARDWOOD REMOVED	CREDITS REQ.	CREDITS PROVIDED	ADDITIONAL CREDITS PROVIDED
4" - 6"	2		0	2	4	4	
7" - 12"	3		14	2	48	48	
13" - 18"	4		5	0	20	20	
SUBTOTAL			19	4	72	72	506
TOTAL			23		72	578	



TREE DISPOSITION		COMMON NAME	BOTANICAL NAME	DBH	DISPOSITION
1		Southern Live Oak	<i>Quercus virginiana</i>	8"	REMOVE
2		Slack Pine	<i>Pinus elliptioti</i>	12"	REMOVE
3		Slack Pine	<i>Pinus elliptioti</i>	18"	REMOVE
4		Southern Live Oak	<i>Quercus virginiana</i>	6"	REMOVE
5		Slack Pine	<i>Pinus elliptioti</i>	8"	REMOVE
6		Slack Pine	<i>Pinus elliptioti</i>	10"	REMOVE
7		Slack Pine	<i>Pinus elliptioti</i>	10"	REMAIN
8		Slack Pine	<i>Pinus elliptioti</i>	10"	REMAIN
9		Slack Pine	<i>Pinus elliptioti</i>	10"	REMOVE
10		Slack Pine	<i>Pinus elliptioti</i>	14"	REMAIN
11		Slack Pine	<i>Pinus elliptioti</i>	18"	REMOVE
12		Southern Live Oak	<i>Pinus elliptioti</i>	10"	REMOVE
13		Slack Pine	<i>Quercus virginiana</i>	8"	REMOVE
14		Slack Pine	<i>Pinus elliptioti</i>	10"	REMOVE
15		Slack Pine	<i>Pinus elliptioti</i>	14"	REMOVE
16		Slack Pine	<i>Pinus elliptioti</i>	10"	REMOVE
17		Slack Pine	<i>Pinus elliptioti</i>	12"	REMOVE
18		Slack Pine	<i>Pinus elliptioti</i>	10"	REMAIN
19		Slack Pine	<i>Pinus elliptioti</i>	11"	REMAIN
20		Slack Pine	<i>Pinus elliptioti</i>	13"	REMAIN
21		Slack Pine	<i>Pinus elliptioti</i>	16"	REMAIN
22		Redbay	<i>Persea barbonia</i>	4"	REMAIN
23		Slack Pine	<i>Pinus elliptioti</i>	14"	REMOVE
24		Slack Pine	<i>Pinus elliptioti</i>	12"	REMAIN
25		Slack Pine	<i>Pinus elliptioti</i>	8"	REMAIN
26		Slack Pine	<i>Pinus elliptioti</i>	8"	REMAIN
27		Slack Pine	<i>Pinus elliptioti</i>	8"	REMOVE
28		Slack Pine	<i>Pinus elliptioti</i>	12"	REMOVE
29		Slack Pine	<i>Pinus elliptioti</i>	14"	REMAIN
30		Slack Pine	<i>Pinus elliptioti</i>	8"	REMAIN
31		Slack Pine	<i>Pinus elliptioti</i>	8"	REMAIN
32		Slack Pine	<i>Pinus elliptioti</i>	18"	REMOVE
33		Slack Pine	<i>Pinus elliptioti</i>	10"	REMOVE
34		Slack Pine	<i>Pinus elliptioti</i>	24"	REMOVE
35		Slack Pine	<i>Pinus elliptioti</i>	6"	REMOVE
36		Slack Pine	<i>Pinus elliptioti</i>	12"	REMOVE
37		Slack Pine	<i>Pinus elliptioti</i>	12"	REMOVE
38		Slack Pine	<i>Pinus elliptioti</i>	8"	REMAIN
39		Slack Pine	<i>Pinus elliptioti</i>	8"	REMAIN
40		Slack Pine	<i>Pinus elliptioti</i>	12"	REMAIN
41		Slack Pine	<i>Pinus elliptioti</i>	10"	REMAIN
42		Slack Pine	<i>Pinus elliptioti</i>	10"	REMAIN
43		Slack Pine	<i>Pinus elliptioti</i>	12"	REMAIN
44		Slack Pine	<i>Pinus elliptioti</i>	18"	REMAIN
45		Slack Pine	<i>Pinus elliptioti</i>	8"	REMAIN

TREE DISPOSITION SUMMARY:	
TOTAL TREES PROTECTED	22
TOTAL TREES REMOVED	23

KEY:	
	TREE TO REMAIN
	TREE TO BE REMOVED
	TREE TO BE RELOCATED
	TREE TO BE PROTECTED PER DETAIL ON SHEET L 002

TREE DISPOSITION
PLAN

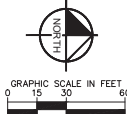
TREASURE COAST
CLASSICAL ACADEMY
PREPARED FOR
SUMMIT CONST. GROUP
MARTIN COUNTY FL

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PHONE: 863-701-8702
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KHA PROJECT	046403000	DATE	AUG 2018	SCALE	AS SHOWN
		DESIGNED BY			
		DRAWN BY			
		CHECKED BY			

[illegible]

MATCHLINE A - SEE SHEET L 001



PLANT SCHEDULE	
TREES	COMMON NAME
BS	Gumbo Limbo
MC	Max Myrtle
PE	Sloash Pine
QV	Southern Live Oak
TD	Bald Cypress
PALM TREES	COMMON NAME
CB	Cabbage Palm
SHRUBS	COMMON NAME
CM	Monnneye Croton
CQ	'Queen Emma' Cinnam
CR	Red Tip Coccothorn
HF	Fine Bush
SHRUB AREAS	COMMON NAME
FG	Green Island Ficue
TD2	Dwarf Florida Gommogross
GROUND COVERS	COMMON NAME
SOD	Floratan St. Augustine Sod
SOD2	Bahia Grass

SHEET NUMBER
L 100

**TREASURE COAST
CLASSICAL ACADEMY**
PREPARED FOR
SUMMIT CONST. GROUP
MARTIN COUNTY FL

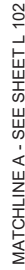
LANDSCAPE PLAN

KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
046403000	AUG 2018	AS SHOWN			

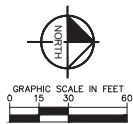
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[illegible]

g\100 LANDSCAPE PLAN.dwg



SEE FULL LANDSCAPE SCHEDULE ON SHEET L 102



MATCHLINE A - SEE SHEET L 100

TREASURE COAST
CLASSICAL ACADEMY
PREPARED FOR
SUMMIT CONST. GROUP
MARTIN COUNTY
FL

LANDSCAPE PLAN

KHA PROJECT 046403000	DATE AUG 2018	SCALE AS SHOWN	DESIGNED BY [redacted]	DRAWN BY [redacted]	CHECKED BY [redacted]
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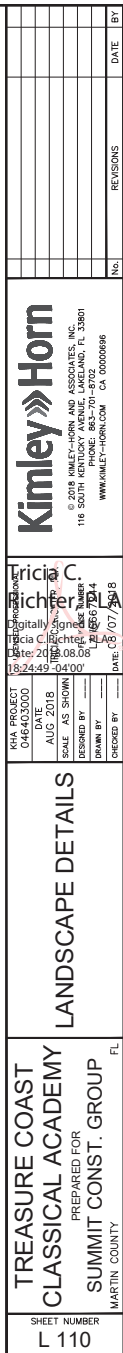
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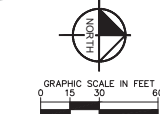
TREES	BOTANICAL NAME	COMMON NAME	CONT.	CAL.	SIZE	QTY	NATIVE
BS	<i>Bursera simaruba</i>	Gumbo Limbo	Cont.	3' Cal.	12' HT x 5' SPR	22	x
MC	<i>Myrica cerifera</i>	Wax Myrtle	Cont.	3' Cal.	12' HT x 5' SPR	14	x
PE	<i>Pinus elliotii</i> 'Densa'	Slash Pine	Cont.	3' Cal.	12' HT x 5' SPR	85	x
QV	<i>Quercus virginiana</i>	Southern Live Oak	Cont.	3' Cal.	12' HT x 5' SPR	64	x
TLD	<i>Taradilum distichum</i>	Bald Cypress	Cont.	3' Cal.	12' HT x 5' SPR	104	x
PALM TREES	BOTANICAL NAME	COMMON NAME	CONT.	CAL.	SIZE	QTY	NATIVE
SP	<i>Sago palm</i>	Cabbage Palm	F.G.	Cal.	10' x 18' CT	87	x
	Stopper heights in groupings						
SHRUBS	BOTANICAL NAME	COMMON NAME	CONT.	O.C.	SIZE	QTY	NATIVE
CM	<i>Codiaeum variegatum</i> 'Mammy'	Mammy Croton	Cont.	24" O.C.	10"x18"	70	
CQ	<i>Criminum augustum</i> 'Queen Emma'	'Queen Emma' Crinum	As Shown	48" OA		3	
CR	<i>Chrysobalanus icaco</i> 'Red Tip'	Red Tip Coccolam	Cont.	36" O.C.	24"x24"	852	x
HF	<i>Hamelia patens</i>	Fire Bush	Cont.	36" O.C.	6' HT Min	702	x
SHRUB AREAS	BOTANICAL NAME	COMMON NAME	CONT.	O.C.	SIZE	QTY	NATIVE
FG	<i>Ficus microcarpa</i> 'Green Island'	Green Island Ficus	Cont.	30" O.C.	18"x18"	421	
TD2	<i>Tripsacum floridanum</i>	Dwarf Florida Gamagrass	Cont.	36" O.C.	18" x 18"	429	x
GROUND COVERS	BOTANICAL NAME	COMMON NAME	CONT.	O.C.	SIZE	QTY	NATIVE
SOD	<i>Stenotaphrum secundatum</i> 'Floratum'	Floratum St. Augustine Sod				± 74,230 sf	
SOD2	<i>Paspalum notatum</i> 'Argentine'	Bahia Grass	seed			± 129,635 sf	

SITE AREA: 619,476 SF (14.22 ACRES)	REQUIRED	PROVIDED
SEC. 4.663.1 AT LEAST 20% OF THE TOTAL DEVELOPED AREA SHALL BE LANDSCAPED. 416,515 SF X 20% = 83,303 SF	83,303 SF	83,303 SF
SEC. 4.663.3.b ALL NONRESIDENTIAL DEVELOPMENTS SHALL PROVIDE AT LEAST 1 TREE PER 2,500 SF OF SITE AREA 416,515 SF / 2,500 SF = 1 TREE = 167 TREES	167 TREES	167 TREES
SEC. 4.663.4.a.3 TOTAL TREE REQUIREMENT WITHIN THE PERIMETER LANDSCAPE AREA SHALL BE DETERMINED BY USING A RATIO OF 1 TREE PER 30 LF OR 1 TREE FOR EVERY 300 SF OF PLANTING AREA OR MAJOR PORTION THEREOF, WITH NO LESS THAN 75% OF TREES TO BE SHADE TREES. 636 LF / 30 LF = 21 TREES 28 TREES = 75% = 21 SHADE TREES	28 TREES 21 TREES	4 TREES 1 TREES
SEC. 4.663.4.a.5 A MINIMUM OF 25% OF TOTAL PERIMETER LANDSCAPE AREA IS TO BE NATIVE PLANTINGS. 215 TREES/SHRUBS/GC = 25% = 54 TREES/SHRUBS/GC	54 NATIVES	54 NATIVES
SEC. 4.663.4.b.1 IN VEHICULAR USE AREAS WITHIN THE INTERIOR OF A SITE, 1 500 SF PLANTING AREA SHALL BE REQUIRED FOR EVERY 5,000 SF OF VEHICULAR PLANTING AREA, OR MAJOR PORTION THEREOF, AND AT LEAST 3 21" OR 2 3" CALIPER SHADE TREES TOGETHER WITH OTHER LANDSCAPE MATERIAL. 120,481 SF VIA 5,000 SF = 25 25 x 500 SF = 12,500 SF INTERIOR PLANTING AREA 25 = 2 TREES (2 3" TREE / 500 SF) = 50 TREES	12,500 SF 50 TREES	12,500 SF 50 TREES
SEC. 4.663.6.b.6 TYPE 2 BUFFER - AT LEAST 1 TREE AND 10 SHRUBS SHALL BE PROVIDED FOR EVERY 300 SF OF REQUIRED BUFFER. NORTH: 1,913 SF / 300 SF = 1 TREE = 7 TREES 1,913 SF / 300 SF = 10 SHRUBS = 70 SHRUBS EAST: 29,992 SF / 300 SF = 1 TREE = 100 TREES 29,992 SF / 300 SF = 10 SHRUBS = 1,000 SHRUBS SOUTH: 4,629 SF / 300 SF = 1 TREE = 16 TREES 4,629 SF / 300 SF = 10 SHRUBS = 160 SHRUBS	7 TREES 70 SHRUBS 100 TREES 1,000 SHRUBS 16 TREES 160 SHRUBS	7 TREES 70 SHRUBS 100 TREES 1,000 SHRUBS 16 TREES 160 SHRUBS
SEC. 4.664.2.2 AT LEAST 50% OF ALL REQUIRED LANDSCAPING SHALL BE NATIVE. 3,296 TREES/SHRUBS/GC = 50% = 1,648 NATIVE TREES/SHRUBS/GC	1,648 NATIVES	1,648 NATIVES
SEC. 4.664.3.2.b NOT MORE THAN 30% OF ALL REQUIRED TREES SHALL BE PALMS. (2 PALMS OR 3 SABAL PALMS CONSTITUTE 1 TREE) 318 REQUIRED TREES = 30% = 96 PALMS MAX	96 PALMS	87 PALMS
SEC. 4.664.C 75% OF HERGES AND SHRUBS SHALL BE NATIVE 2,977 SHRUBS + 75% = 2,233 SHRUBS	2,233 SHRUBS	1,983 SHRUBS

1. CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, PLANT LIST, GENERAL NOTES AND ALL CONTRACT DOCUMENTS FOR FURTHER AND COMPLETE INSTRUCTIONS.
2. PLANT LIST QUANTITIES ARE PROVIDED FOR CONVENIENCE. IN THE EVENT OF QUANTITY DISCREPANCIES THE DRAWING SHALL TAKE PRECEDENCE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BIDDING.
3. PLANT SIZES LISTED ARE THE MINIMUM SIZE THAT WILL BE ACCEPTED FOR THAT PLANT.
4. ANY SUBSTITUTION IN SIZE AND/OR PLANT MATERIAL MUST BE APPROVED BY THE LANDSCAPE ARCHITECT IN WRITING. ALL PLANTS WILL BE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT AND/OR OWNERS REPRESENTATIVE BEFORE PLANTING CAN BEGIN.
5. CONTRACTOR SHALL FIELD ADJUST LOCATION OF PLANT MATERIAL AS NECESSARY TO AVOID DAMAGE TO EXISTING ROADSIDE STRUCTURES OR INTERFERE WITH EXISTING ABOVE GROUND ELEMENTS. ALL CHANGES REQUIRED SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE AND SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT.
6. THE CONTRACTOR SHALL BEAR ALL COSTS OF TESTING OF SOILS, AMENDMENTS, ETC. ASSOCIATED WITH THE WORK AND INCLUDED IN THE SPECIFICATIONS.
7. CONTRACTOR SHALL FAMILIARIZE HIM/HERSELF WITH THE LIMITS OF WORK AND EXISTING CONDITIONS AND VERIFY ALL INFORMATION. IF DISCREPANCIES EXIST, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IN WRITING WITHIN SEVEN CALENDAR DAYS OF NOTICE TO PROCEED.
8. ALL NEW AND TRANSPLANTED PLANT MATERIAL SHALL BE IRRIGATED BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM.

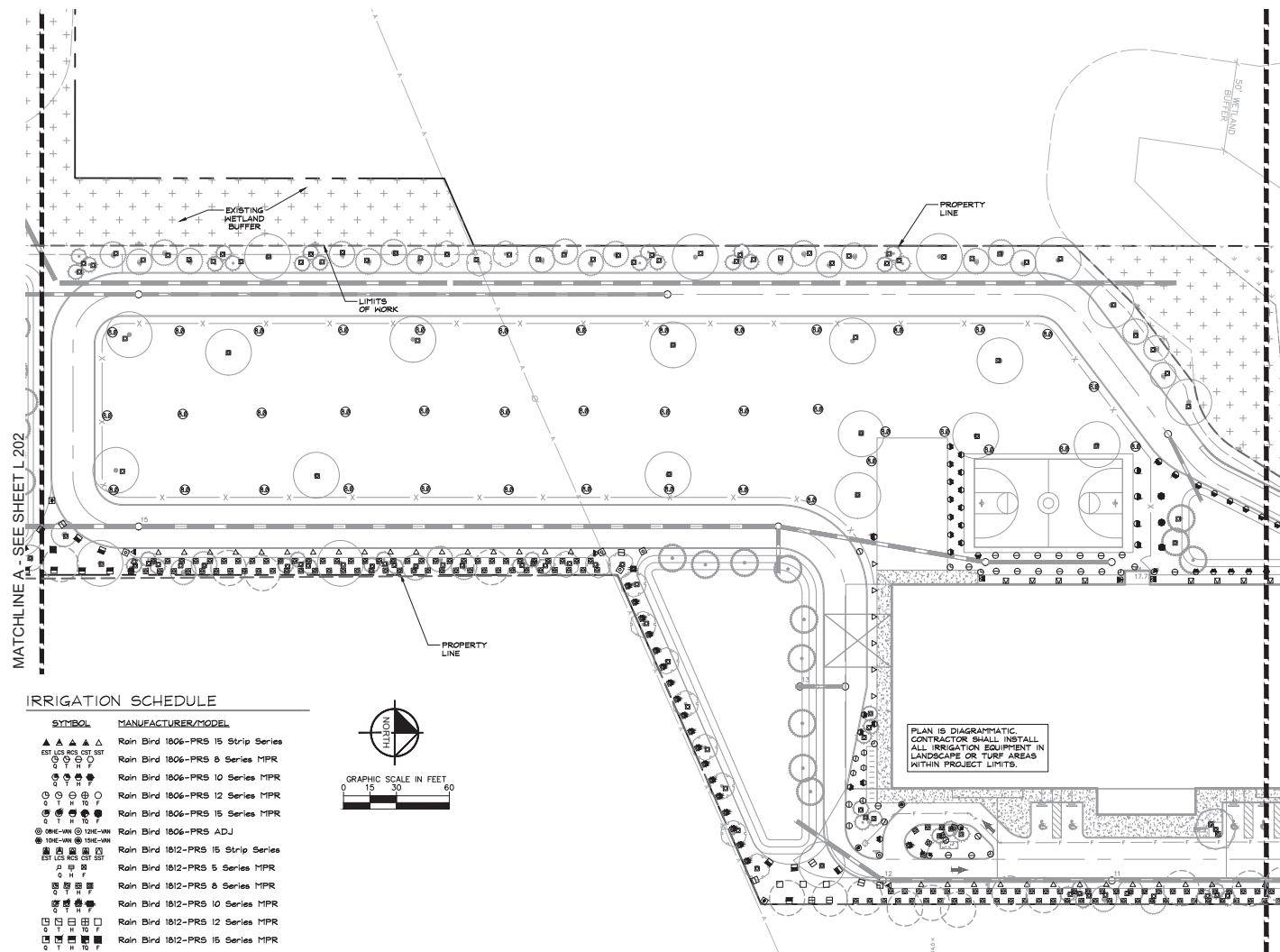


MATCHLINE A - SEE SHEET L 201



PLAN IS DIAGRAMMATIC.
CONTRACTOR SHALL INSTALL
ALL IRRIGATION EQUIPMENT IN
LANDSCAPE OR TURF AREAS
WITHIN PROJECT LIMITS.

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IRRIGATION SCHEDULE

<u>SYMBOL</u>	<u>MANUFACTURER/MODEL</u>
            	Rain Bird 1806-PRS 15 Strip Series Rain Bird 1806-PRS 5 Series MPR Rain Bird 1806-PRS 10 Series MPR Rain Bird 1806-PRS 15 Series MPR Rain Bird 1812-PRS ADJ Rain Bird 1812-PRS 15 Strip Series Rain Bird 1812-PRS 5 Series MPR Rain Bird 1812-PRS 8 Series MPR Rain Bird 1812-PRS 10 Series MPR Rain Bird 1812-PRS 12 Series MPR Rain Bird 1812-PRS 15 Series MPR Rain Bird 1812-PRS ADJ Rain Bird 1402 Flood
<u>SYMBOL</u>	<u>MANUFACTURER/MODEL</u>
	Rain Bird 5004-PL-PC, FC-SAM
<u>SYMBOL</u>	<u>MANUFACTURER/MODEL</u>
   	Rain Bird PEB Rain Bird ESPOLYME with (OS) ESPOLYME Hunter MINI-CLIK Well and Pump
Irrigation Lateral Line: PVC Class 200 50'	
--- Pipe Sleeve: PVC Schedule 40	
SEE FULL IRRIGATION SCHEDULE ON SHEET L 202	

0 15 30 60

PLAN IS DIAGRAMMATIC.
CONTRACTOR SHALL INSTALL
ALL IRRIGATION EQUIPMENT IN
LANDSCAPE OR TURF AREAS
WITHIN PROJECT LIMITS.

MATCHLINE A - SEE SHEET L 200

TREASURE COAST
CLASSICAL ACADEMY
PREPARED FOR
SUMMIT CONST. GROUP
ARTIN COUNTY FL

IRRIGATION PLANS

Tricia C. Richter

Digitally signed by Tricia C. Richter DN: cn=Tricia C. Richter, o=PLA, email=tricia.richter@placounty.org, c=US

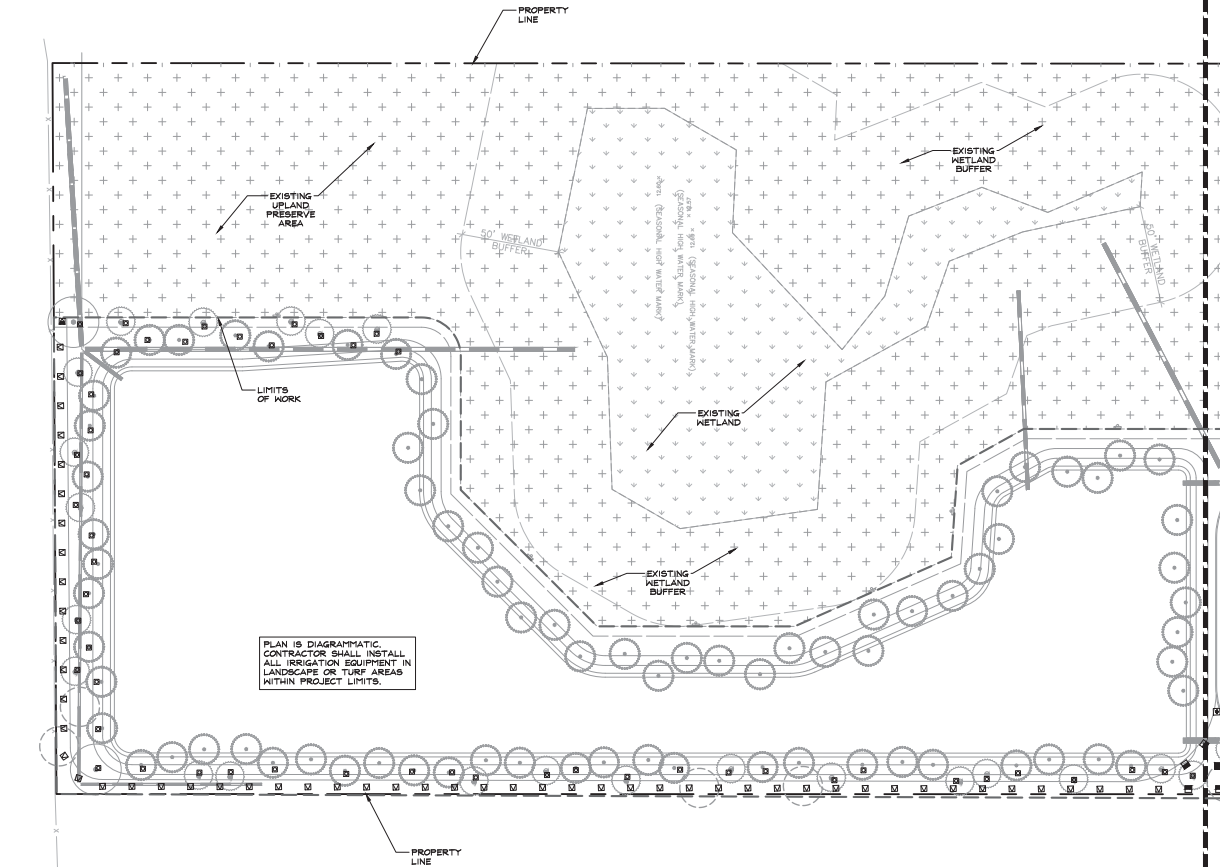
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DATE AUG 2018 SCALE AS SHOWN DESIGNED BY DRAWN BY CHECKED BY

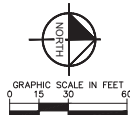
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PLAN IS DIAGRAMMATIC. CONTRACTOR SHALL INSTALL ALL IRRIGATION EQUIPMENT IN LANDSCAPE OR TURF AREAS WITHIN PROJECT LIMITS.



IRRIGATION SYSTEM NOTES

1. CONTRACTOR SHALL REFER TO THE IRRIGATION DETAILS, IRRIGATION SCHEDULE, SPECIFICATIONS AND ALL CONTRACT DOCUMENTS FOR FURTHER AND COMPLETE INSTRUCTIONS.
2. IRRIGATION QUANTITIES ARE PROVIDED FOR CONVENIENCE. IN THE EVENT OF QUANTITY DISCREPANCIES THE DRAWING SHALL TAKE PRECEDENCE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BIDDING.
3. ANY SUBSTITUTIONS FOR SPECIFIED IRRIGATION EQUIPMENT MUST BE APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE IN WRITING PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL FIELD ADJUST LOCATION OF IRRIGATION EQUIPMENT AS NECESSARY TO AVOID DAMAGE TO EXISTING UNDERGROUND UTILITIES AND/OR INTERFERE WITH EXISTING ABOVE GROUND ELEMENTS. ALL FIELD ADJUSTMENTS SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE AND SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT.
5. CONTRACTOR SHALL FAMILIARIZE HIM/HERSELF WITH THE LIMITS OF WORK AND EXISTING CONDITIONS AND VERIFY ALL INFORMATION. IF DISCREPANCIES EXIST, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IN WRITING WITHIN SEVEN CALENDAR DAYS OF NOTICE TO PROCEED.
6. IRRIGATION PLAN IS DIAGRAMMATIC. EQUIPMENT SHOWN ON IMPERVIOUS SURFACES IS FOR GRAPHIC CLARITY UNLESS OTHERWISE NOTED. CONTRACTOR SHALL INSTALL ALL EQUIPMENT WITHIN LANDSCAPE AREAS IN PROPERTY LIMITS.

THE IRRIGATION SYSTEM IS DESIGNED TO OPERATE WITH A SOURCE PROVIDING 60 GPM AT 60 PSI.

SPRAY HEAD DESIGN PRESSURE: 30 PSI
BUBBLER DESIGN PRESSURE: 30 PSI
ROTOR DESIGN PRESSURE: 30 PSI

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS
▲ ▲ ▲ ▲ ▲ EST LOS RES CST SST	Rain Bird 1806-PRS 15 Strip Series Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Nipper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	109	30		
○ ○ ○ ○ ○	Rain Bird 1806-PRS 8 Series MPR Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Nipper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	4	30		
○ ○ ○ ○ ○	Rain Bird 1806-PRS 10 Series MPR Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Nipper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	36	30		
○ ○ ○ ○ ○	Rain Bird 1806-PRS 12 Series MPR Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Nipper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	34	30		
○ ○ ○ ○ ○	Rain Bird 1806-PRS 15 Series MPR Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Nipper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	11	30		
○ ○ ○ ○ ○ 108E-WM 108E-WM 104E-WM 104E-WM	Rain Bird 1806-PRS ADJ Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Nipper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	4	30		
■ ■ ■ ■ ■ EST LOS RES CST SST	Rain Bird 1812-PRS 15 Strip Series Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Nipper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. With Pressure Regulating Device.	136	30		
○ ○ ○ ○ ○	Rain Bird 1812-PRS 5 Series MPR Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Nipper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. With Pressure Regulating Device.	1	30		
○ ○ ○ ○ ○	Rain Bird 1812-PRS 8 Series MPR Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Nipper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. With Pressure Regulating Device.	364	30		
○ ○ ○ ○ ○	Rain Bird 1812-PRS 10 Series MPR Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Nipper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. With Pressure Regulating Device.	75	30		
○ ○ ○ ○ ○	Rain Bird 1812-PRS 12 Series MPR Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Nipper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. With Pressure Regulating Device.	30	30		
○ ○ ○ ○ ○	Rain Bird 1812-PRS 15 Series MPR Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Nipper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. With Pressure Regulating Device.	20	30		
○ ○ ○ ○ ○ 108E-WM 108E-WM 104E-WM 104E-WM	Rain Bird 1812-PRS ADJ Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Nipper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. With Pressure Regulating Device.	18	30		
▲ ▲ ▲ ▲ ▲ 1401 1402 1404 1408	Rain Bird 1402 Flood Flood Bubbler on IPS Flex hose per detail.	301	30		
⊗	Rain Bird 5004-PL-PC, FC-SAM Turf Rotor, 4.0" Pop-Up, Plastic Riser. Adjustable and Full Circle. Standard Angle Nozzle and Flow Shut-Off Device. With Seal-A-Matic Check Valve.	40	35	7.06	49'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
○	Rain Bird PEB 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability. Globe Configuration.
□	Rain Bird ESP/LX/M with (03) ESP/LX/M12 44 Station Commercial Controller. Mounted on a Plastic Wall Mount. Without flow sensing.
⊗	Hunter MINI-CLIK Rain Sensor, mount as noted
⊕	Well and Pump
---	Irrigation Lateral Line: PVC Class 200 SDR 21
----	Pipe Sleeve: PVC Schedule 40

REVISIONS

NO.	DATE	BY

Kimley-Horn

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118 SOUTH KENTUCKY AVENUE, LAKELAND, FL 33801
WWW.KIMLEY-HORN.COM CA 00000696

Tricia C. Richter, P.E.

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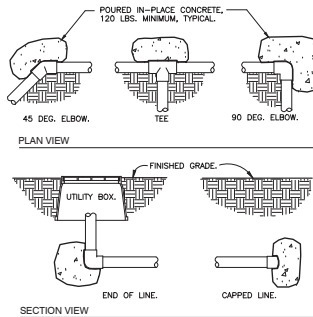
KHA PROJECT NO. 18-00000000
DATE: AUG 08, 2018
SCALE: AS SHOWN
DESIGNED BY: TRC
DRAWN BY: TRC
CHECKED BY: TRC
DATE: 08/07/18

IRRIGATION PLANS

TREASURE COAST
CLASSICAL ACADEMY
PREPARED FOR
SUMMIT CONST. GROUP
FL
MARTIN COUNTY

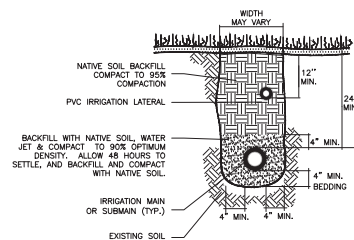
SHEET NUMBER
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Kimley-Horn and Associates, Inc. 210 IRRIGATION DETAILS August 18, 2018 08:24:11 PM C:\Users\jcoast\OneDrive\Documents\210 IRRIGATION DETAILS.dwg 32 8409.76-01 32 8409.76-02 32 8406.13-01 32 8406.33-02 32 8409.74-01 32 8409.74-02 32 8403.13-02 32 8409.13-02



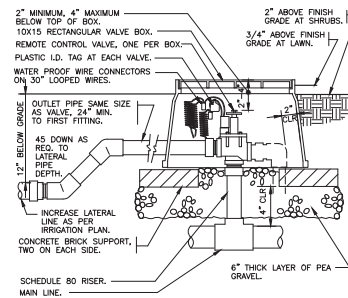
1 THRUST BLOCKING
3/4" = 1'-0"

32 8409.76-01



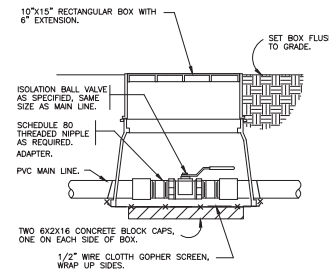
2 TRENCHING DETAIL
NOT TO SCALE

32 8409.76-02



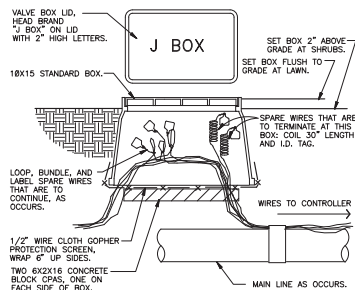
3 ELECTRIC REMOTE CONTROL VALVE
1 1/2" = 1'-0"

32 8406.13-01



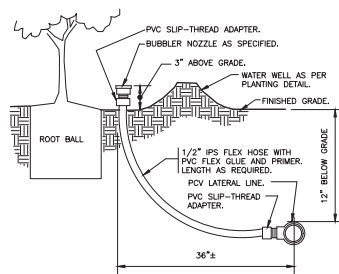
4 BRASS BALL ISOLATION VALVE
1 1/2" = 1'-0"

32 8406.33-02



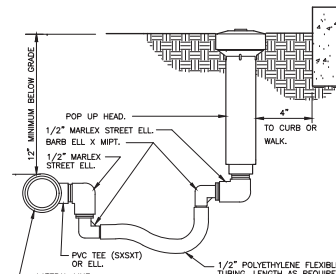
5 WIRE BUNDLE JUNCTION BOX
1 1/2" = 1'-0"

32 8409.74-01



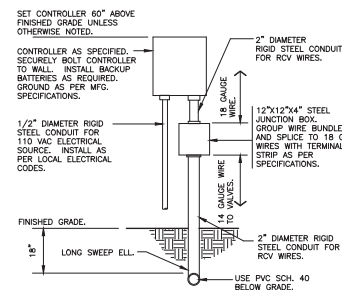
6 BUBBLER ON FLEX HOSE RISER
3" = 1'-0"

DETAIL-FILE



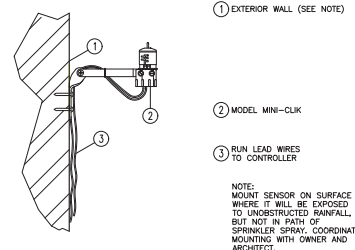
7 POP-UP SPRAY FLEX ASSEMBLY
3" = 1'-0"

32 8403.13-02

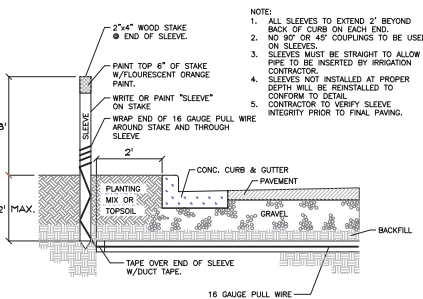


8 WALL MOUNT CONTROLLER
1" = 1'-0"

32 8409.13-02



9 RAIN SENSOR
3" = 1'-0"



10 IRRIGATION SLEEVING
NTS

NTS

NO.	REVISIONS	DATE	BY

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Tricia C. Richter
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18.26.2018 10:07:40
DATE: 07/07/18

IRRIGATION DETAILS

TREASURE COAST
CLASSICAL ACADEMY
PREPARED FOR
SUMMIT CONST. GROUP
MARTIN COUNTY FL

SHEET NUMBER
L 210

