

MATCHLINE A - SEE SHEET L 000

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

TREE DISPOSITION
PLAN

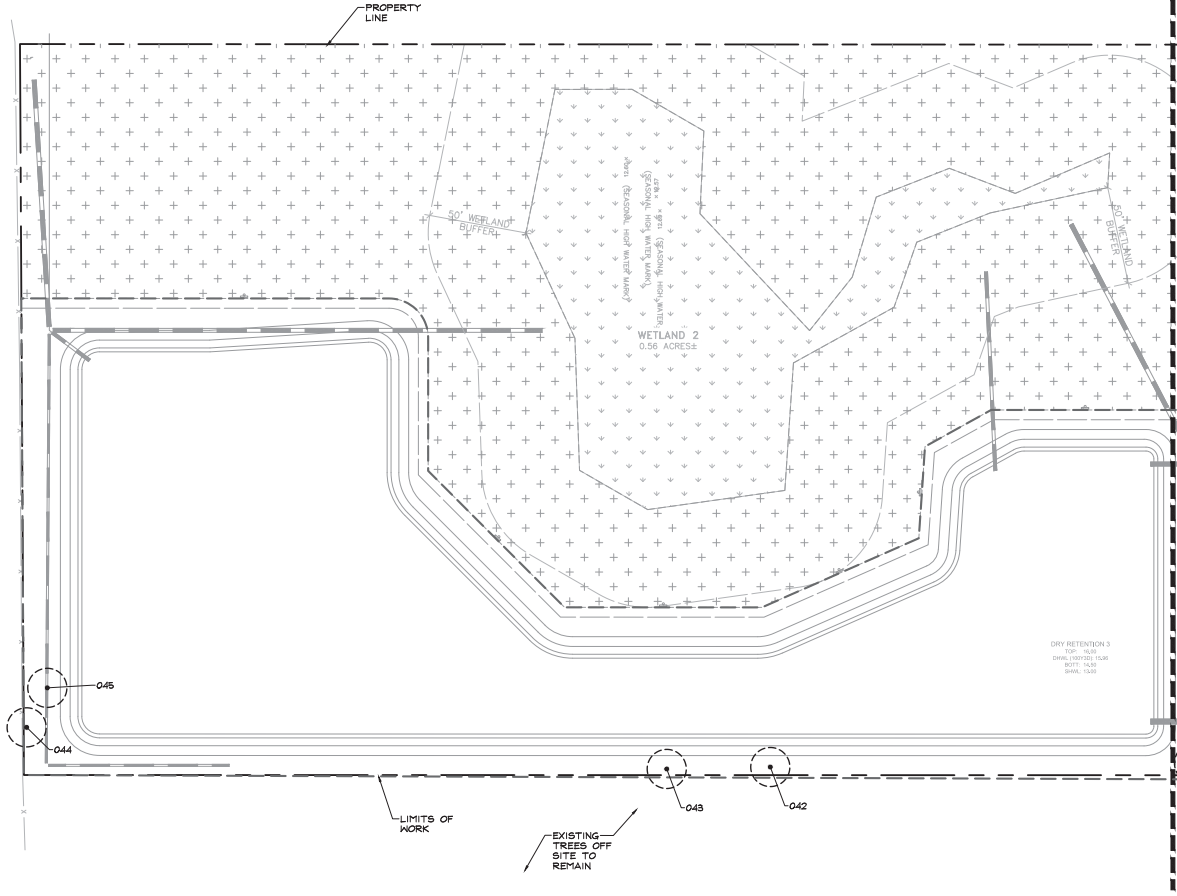
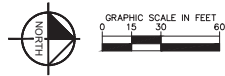
KHA PROJECT	046403000	DATE	AUG 2018	SCALE	AS SHOWN	DESIGNED BY	DRAWN BY	CHECKED BY
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Kimley»Horn

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116 SOUTH KENTUCKY AVENUE, LAKELAND, FL 33801
PHONE: 863-701-8702
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Project: Treasure Coast Classical Academy, 11000 US Highway 1, Palm Bay, FL 32909. Date: August 2018. Scale: 1" = 40'. Prepared by: Kimley-Horn and Associates, Inc. for the Florida Department of Transportation. This drawing is the property of Kimley-Horn and Associates, Inc. and shall not be reproduced or used in any manner without the written authorization and signature of Kimley-Horn and Associates, Inc. It is to be used only for the project and site shown on this drawing. Any other use is unauthorized. No part of this drawing shall be used for any other project without the written authorization and signature of Kimley-Horn and Associates, Inc.

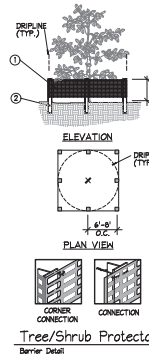


TREE DISPOSITION	MIN. CREDITS REQ.	SOFTWOOD REMOVED	HARDWOOD REMOVED	CREDITS REQ.	CREDITS PROVIDED	ADDITIONAL CREDITS PROVIDED
4" - 6"	2	0	2	4	4	
7" - 12"	3	14	2	48	48	
13" - 18"	4	5	0	20	20	
SUBTOTAL		19	4	72	72	506
TOTAL			23	72	578	

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



1. 6"X 12" PERIMETER FENCE CONSTRUCTION FENCE BY CORNER PLASTICS OR OWNER'S REPRESENTATIVE APPROVED. EQUAL SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.

2. 8" TALL METAL TYP POSTS OR 2" X 2" X 8' PRESURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF THE FENCE HILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND GRAND CONTROL INSTALLATIONS. METAL TYP POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/4 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 8' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.

C. SPACE POSTS EVERY 6' (MIN.) TO 8' (MAX.).

D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CORNER PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

TREASURE COAST
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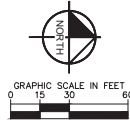
KHA PROJECT
CHANGED
DATE
AUG 2018
SCALE AS SHOWN
DESIGNED BY
182355
DRAWN BY
DATE
07/22/18
CHECKED BY
NTS

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NO.	REVISIONS	DATE	BY

SHEET NUMBER
L 002

MATCHLINE A - SEE SHEET L 001



SEE FULL LANDSCAPE SCHEDULE ON SHEET L 102

MATCHLINE A - SEE SHEET L 001

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MARTIN COUNTY FL

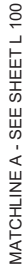
LANDSCAPE PLAN

KHA PROJECT 046403000	DATE AUG 2018	SCALE AS SHOWN	DESIGNED BY [REDACTED]	DRAWN BY [REDACTED]	CHECKED BY [REDACTED]
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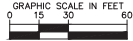
Tricia Dichte
Digitally signed by Tricia Dichte
Richmond, CA
Date: 2018.08.08 18:24:06 -04'00'

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g\100 LANDSCAPE PLAN.dwg



SEE FULL LANDSCAPE SCHEDULE ON SHEET L 102



SHEET NUMBER
L 101

TREASURE COAST
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SUMMIT CONST. GROUP
MARTIN COUNTY

LANDSCAPE PLAN

KHA PROJECT 046403000		DATE AUG 2018		SCALE AS SHOWN	
DESIGNED BY JOHANN BY		CHECKED BY JOHANN BY		DATE 07/20/18	

Tricia
Digitally signed by
Tricia
Richards
Date: 2018.08.21
18:24:21
+04'00'

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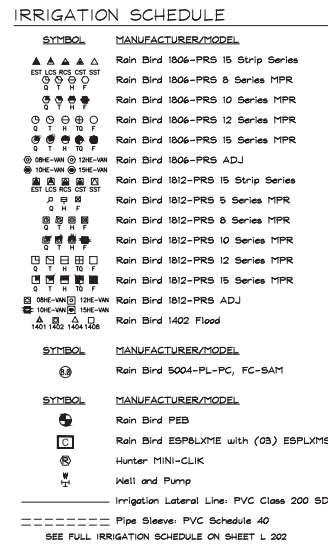


TREES	BOTANICAL NAME	COMMON NAME	CNT.	CAL.	SIZE	QTY	NATIVE
BS	Bursera simaruba	Gumbo Limbo	Cont.	3' Cal.	12' HT x 5' SPR	12	
MC	Myrica cerifera	Wax Myrtle	Cont.	3' Cal.	12' HT x 5' SPR	14	x
PE	Pinus elliotti 'Densa'	Slash Pine	Cont.	3' Cal.	12' HT x 5' SPR	85	x
GV	Quercus virginiana	Southern Live Oak	Cont.	3' Cal.	12' HT x 5' SPR	64	x
TD	Taxodium distichum	Bald Cypress	Cont.	3' Cal.	12' HT x 5' SPR	104	x
PALM TREES	BOTANICAL NAME	COMMON NAME	CNT.	CAL.	SIZE	QTY	NATIVE
SP	Sabal palmetto	Cabbage Palm	Cont.	F.G.	10' - 18' CT	87	x
SHRUBS	BOTANICAL NAME	COMMON NAME	CNT.	O.C.	SIZE	QTY	NATIVE
CM	Codiaeum variegatum 'Mammy'	Mammy Croton	Cont.	24" O.C.	18"x18"	70	
CR	Crinum augustum 'Queen Emma'	'Queen Emma' Crinum	Cont.	Ae Shoun	48" OA	3	
CC	Chrysobalanus icaco 'Red Tip'	Red Tip Coccolup	Cont.	36" O.C.	24"x24"	852	x
HF	Hamelia patens	Fire Bush	Cont.	36" O.C.	6' HT Min	702	x
SHRUB AREAS	BOTANICAL NAME	COMMON NAME	CNT.	O.C.	SIZE	QTY	NATIVE
FG	Ficus microcarpa 'Green Island'	Green Island Ficus	Cont.	30" O.C.	18"x18"	921	
TD2	Tripsacum floridanum	Dwarf Florida Gamagrass	Cont.	36" O.C.	18" x 18"	429	x
GROUND COVERS	BOTANICAL NAME	COMMON NAME	CNT.	O.C.	SIZE	QTY	NATIVE
SOD	Stenotaphrum secundatum 'Floradam'	Floradam Ss. Augustine Sod	Sod			± 124,230 sf	
SOD2	Paspalum notatum 'Argentine'	Bahia Grass	seed			± 129,635 sf	

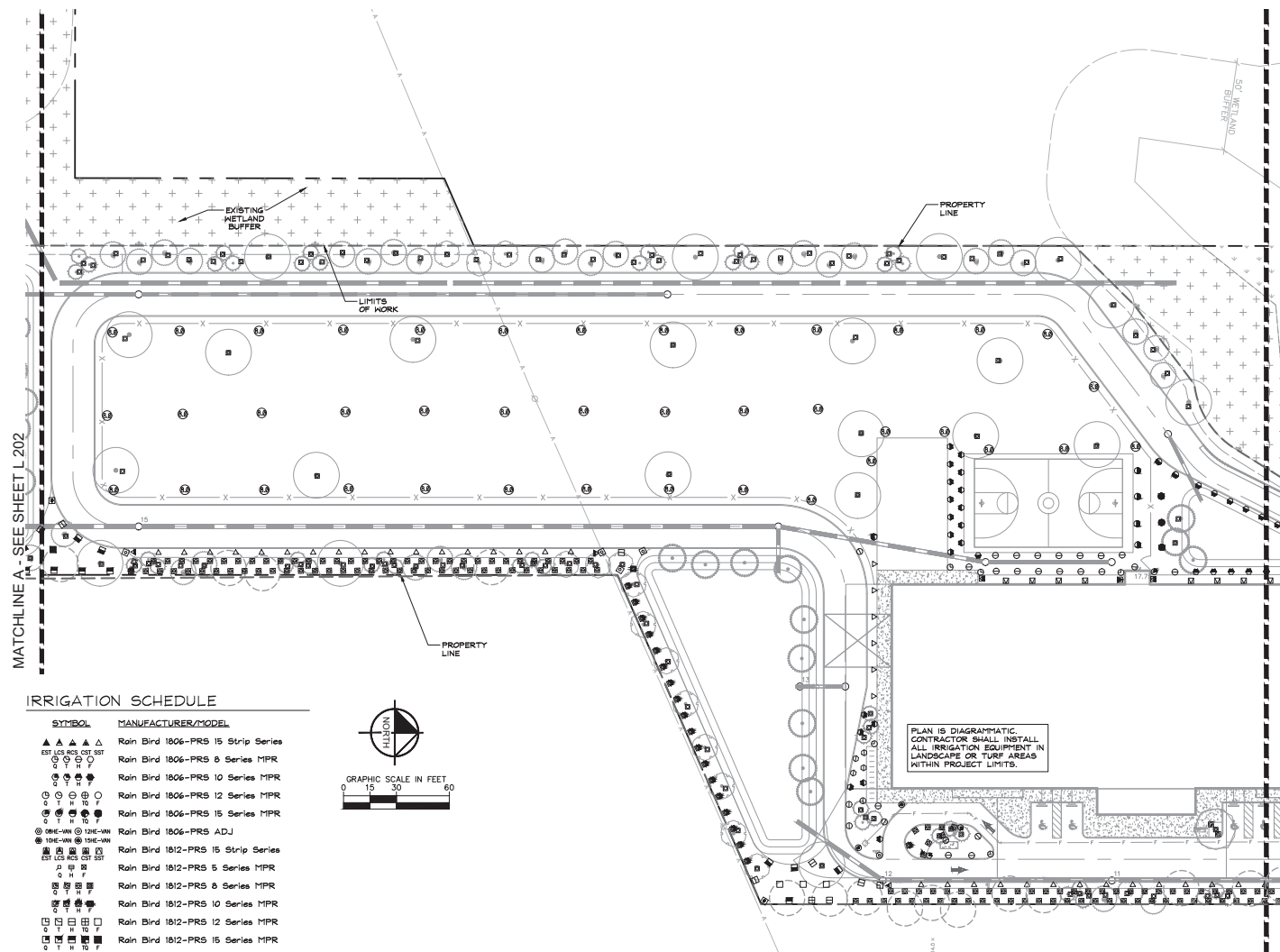
SITE AREA: 619,476 SF (14.22 ACRES)	REQUIRED	PROVIDED
SEC. 4.663.1 AT LEAST 20% OF THE TOTAL DEVELOPED AREA SHALL BE LANDSCAPED. 416,515 SF X 20% = 83,303 SF	83,303 SF	83,303 SF
SEC. 4.663.3.b ALL NONRESIDENTIAL DEVELOPMENTS SHALL PROVIDE AT LEAST 1 TREE PER 2,500 SF OF SITE AREA. 416,515 SF / 2,500 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 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. 836 LF / 30 LF = 27 TREES = 25 TREES 28 TREES * 75% = 21 SHADE TREES	28 TREES 21 TREES	4 TREES 1 TREES
SEC. 4.663.4.a.3 A MINIMUM OF 25% 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 USE AREA OR MAJOR PORTION THEREOF, AND AT LEAST 3 2" OR 2 3" CALIPER SHADE TREES TOGETHER WITH OTHER LANDSCAPE MATERIAL. 120,481 SF VUA / 5,000 SF = 25 25 * 500 SF = 12,500 SF INTERIOR PLANTING AREA 25 * 2 TREES (2 3" TREE / 500 SF PLANTING AREA) = 50 TREES	12,500 SF 50 TREES	12,500 SF 50 TREES
SEC. 4.663.B.6.b 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: 4,624 SF / 300 SF = 1 TREE = 16 TREES 4,624 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.A.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.B.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 HEDGES 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 UNDERGROUND UTILITY. 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



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IRRIGATION SCHEDULE

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

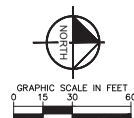
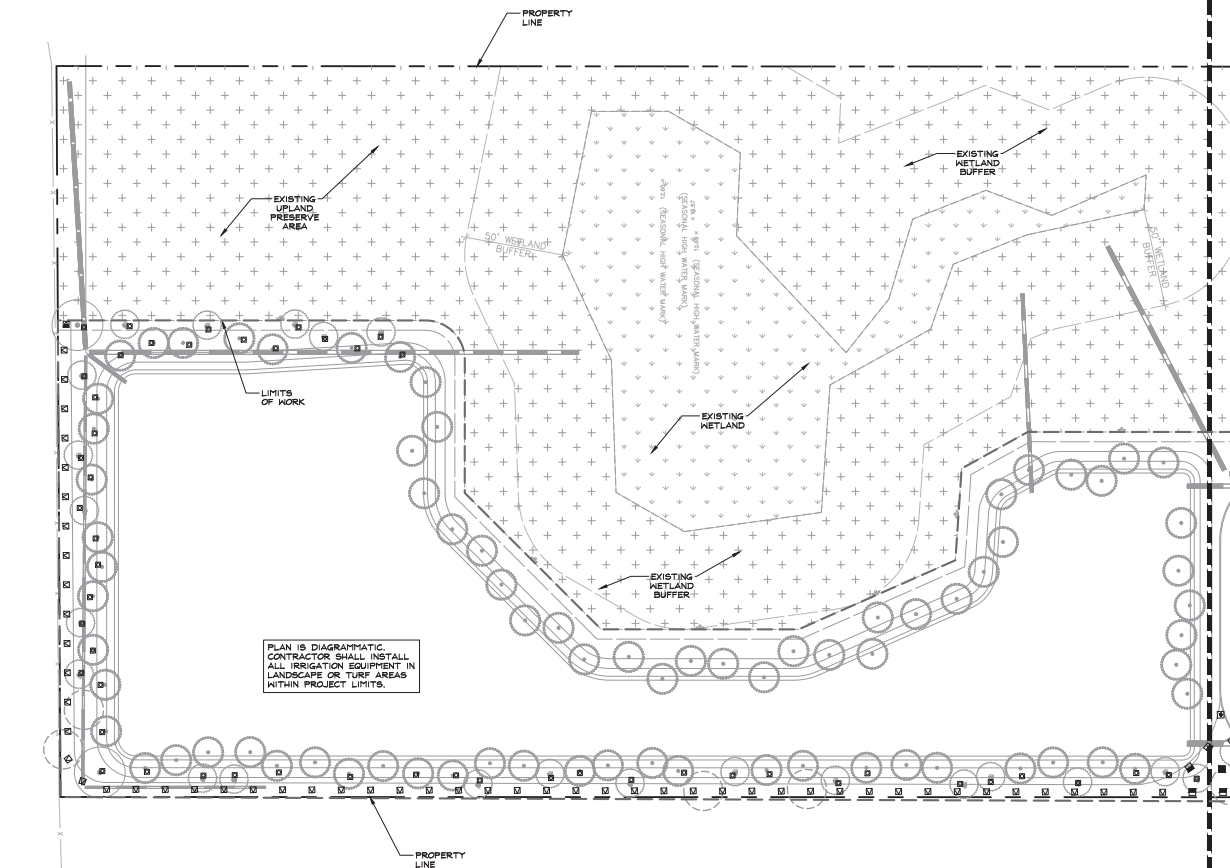
TREASURE COAST
CLASSICAL ACADEMY
PREPARED FOR
SUMMIT CONST. GROUP
MARTIN COUNTY FL

IRRIGATION PLANS

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

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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 ARCHITECT IMMEDIATELY UPON DISCOVERY.
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 TO THE SATISFACTION OF THE 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 12" OF THE SHOWN LOCATION.

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		
▲ ▲ ▲ ▲ ▲ EST LKS RCS 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		
○ ○ ○ ○ ○ Q T H F	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		
○ ○ ○ ○ ○ Q T H F	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.	4	30		
▲ ▲ ▲ ▲ ▲ EST LKS RCS 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		
○ ○ ○ ○ ○ Q T H F	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		
○ ○ ○ ○ ○ Q T H F	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		
○ ○ ○ ○ ○ Q T H F	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		
○ ○ ○ ○ ○ Q T H F	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		
○ ○ ○ ○ ○ Q T H F	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		
○ ○ ○ ○ ○ Q T H F	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.	18	30		
▲ ▲ ▲ ▲ ▲ EST LKS RCS CST SST	Rain Bird 1402 Flood Fluid Bubblers on IPS flex hose per detail.	301	30		
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS
①	Rain Bird 5004-PL-PC, FC-SAM Turf Rotor 4.0" Pop-Up Rotor, Plastic Riser, Adjustable and Full Circle, Standard Angle Nozzle and Flow Shut-Off Device. With Spot-A-Matic Check Valve.	40	35	7.06	43'

<u>SYMBOL</u>	<u>MANUFACTURER/MODEL/DESCRIPTION</u>
	Rain Bird PEB 1" 1-1/2" 2" Plastic Industrial Valves, Low Flow Operating Capability, Globe Configuration.
	Rain Bird ESPALXME with (03) ESPLXMSM12 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

IRRIGATION PLANS

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

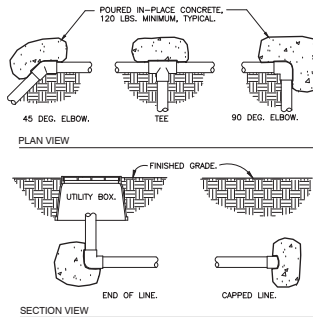
SHEET NUMBER
L 202

Tricia C. Richter, PLA
Digitally signed by Tricia C. Richter, PLA
Date: 2008.08.08 18:26:07 -0400
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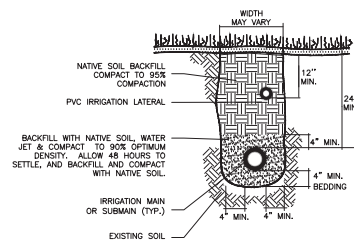
Kimley»Horn
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116 SOUTH KENTUCKY AVENUE, LAKELAND, FL 33801
PHONE: 863-701-8702

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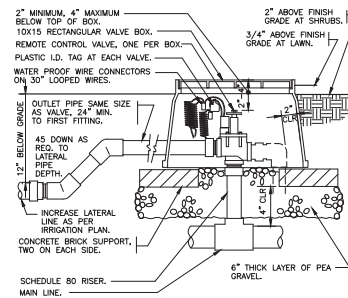
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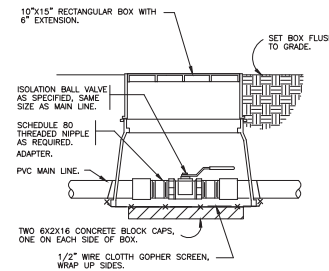
1 THRUST BLOCKING
3/4" = 1'-0"
32 8409.76-01



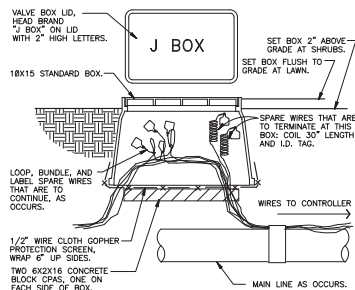
2 TRENCHING DETAIL
NOT TO SCALE
32 8409.76-02



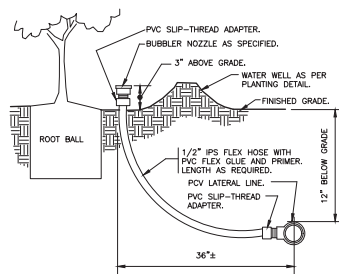
3 ELECTRIC REMOTE CONTROL VALVE
1/2" = 1'-0"
32 8406.13-01



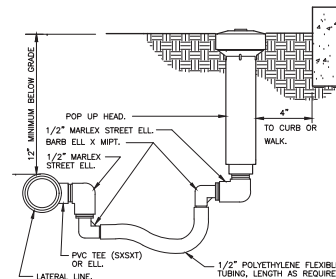
4 BRASS BALL ISOLATION VALVE
1/2" = 1'-0"
32 8406.33-02



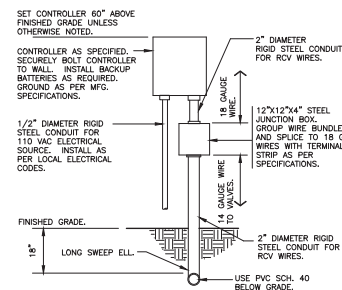
5 WIRE BUNDLE JUNCTION BOX
1/2" = 1'-0"
32 8409.74-01



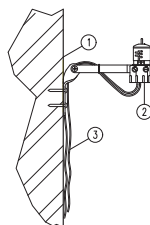
6 BUBBLER ON FLEX HOSE RISER
3" = 1'-0"
DETAIL-FILE



7 POP-UP SPRAY FLEX ASSEMBLY
3" = 1'-0"
32 8403.13-02

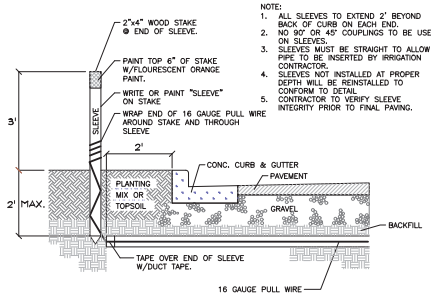


8 WALL MOUNT CONTROLLER
1" = 1'-0"
32 8409.13-02



9 RAIN SENSOR
3" = 1'-0"

- 1 EXTERIOR WALL (SEE NOTE)
- 2 MODEL MINI-CLIK
- 3 RUN LEAD WIRES TO CONTROLLER
- NOTE: MOUNT SENSOR ON SURFACE WHERE IT WILL BE EXPOSED TO UNOBSTRUCTED RAINFALL, BUT NOT IN PATH OF SPRINKLER SPRAY. COORDINATE MOUNTING WITH OWNER AND ARCHITECT.



10 IRRIGATION SLEEVING
NTS

NO.	REVISIONS	DATE	BY

Kimley»Horn
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Tricia C. Richter
Digitally signed by Tricia C. Richter
DN: cn=Tricia C. Richter, email=tricia.richter@kimley-horn.com, o=Kimley-Horn and Associates, Inc., ou=Engineering, c=US
18.26.2018.08:00
DATE: 07/07/18

IRRIATION DETAILS

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

SHEET NUMBER
L 210

The controller shall be equipped for a water conservation device, as specified.

C. Electric Control Valves) Shall be installed in specified valve boxes. The valve shall have 6" of 3/4" pea gravel installed below the bottom of the valve. If the valve box does not extend to the base of the valve, a valve box extension shall be installed. Electric control valves shall be installed where shown and grouped together where practical. The Contractor shall place no closer than 24" to walk edges, bikeway edges, buildings and walls. The Contractor shall adjust the valve to provide flow rate or rated operating pressure required for each sprinkler circuit.

C. Any damages caused by system malfunction shall be the responsibility of the Contractor who shall make full and immediate restoration for said damages.

SHEET NUMBER L 212	TREASURE COAST CLASSICAL ACADEMY PREPARED FOR SUMMITT CONST. GROUP MARTIN COUNTY FL	IRRIGATION NOTES
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