

excessively pruned, dead or beyond recovery shall be replaced.

public and/or private streets and rights-of-way.

LIST OF ABBREVIATIONS:

dbh diameter breast height

spread

Note:

N.T.S.

cst clear single trunk ht height

For changes in product specification, a suitable

the City and the Landscape Architect.

equivalent product/system must be approved by

ftg full to ground

cmt clear multi trunk

tbd to be determined rpg roots plus grown

on center sf square foot

3" MULCH

- BACKFILL W/ SURFACE SOILS

SHRUB AND GROUNDCOVER PLANTING

PRE-MIXED W/ COMPOST 6" DEEP

NOTE: SHRUBS SHALL BE PLANTED 1" ABOVE

GRADE, DEPENDING UPON SITE CONDITIONS.

pursuant to this article by the approved site plan, landscape plan, or the City of Cocoa Beach Code in compliance with the following minimum maintenance standards: (1) All landscaping and landscape areas shall be maintained so as to present a neat and orderly appearance. (2) All dead plant material shall be promptly replaced with plant material meeting the requirements of the approved site plan and landscape plan. (3) Trees and palms that are removed,

The contractor she be responsible for the maintenance of all landscaping, which shall be maintained in good condition so as to present a healthy, neat and orderly appearance at all times and shall be kept free from refuse and debris. All landscape material shall be maintained so as to provide for access for utilities, emergency services and vehicles. Maintenance shall include the immediate replacement of all dead plant material, as well as the pruning of trees to establish a central leader (except for multi-trunk species) and minimize co-dominant stem growth. The maintenance area also includes adjacent

All newly planted trees shall be planted in a mulched area of at least twenty-five (25) square feet with the minimum dimensions of five (5) feet of the mulc bed for small trees. Large canopy trees shall not be planted in an area of less than 15' in either dimension.

Trees and plants showing evidence of construction damage shall not be accepted. Trees of species whose roots are known to cause damage to public roadways or other public works shall not be planted closer than twelve (12') feet to such public works.

determine the appropriate remediation.

Once soils are properly prepared, or If soils compaction and composition testing meet the required percentages and meet the percolation times, then proceed as per technical details.

Circling and rootbound roots within the rootball of any tree will not be accepted.

Compost provided must be certified as to content, pH, salt and be fully composted and be sourced from a state licensed compost supplier. Supplier and product must be approved by Landscape Architect prior to bid award. Compost source:

General contractor to provide electrical, mainline and lateral line sleeving under walks and driveways. Rain Sensor and Irrigation Controller to be provided and all required equipment to for the operation of the irrigation system.

See Sheet L-1 for Landscape Plan and Details, L-2 for Irrigation Plan and Details, L-3 for Technical Specs

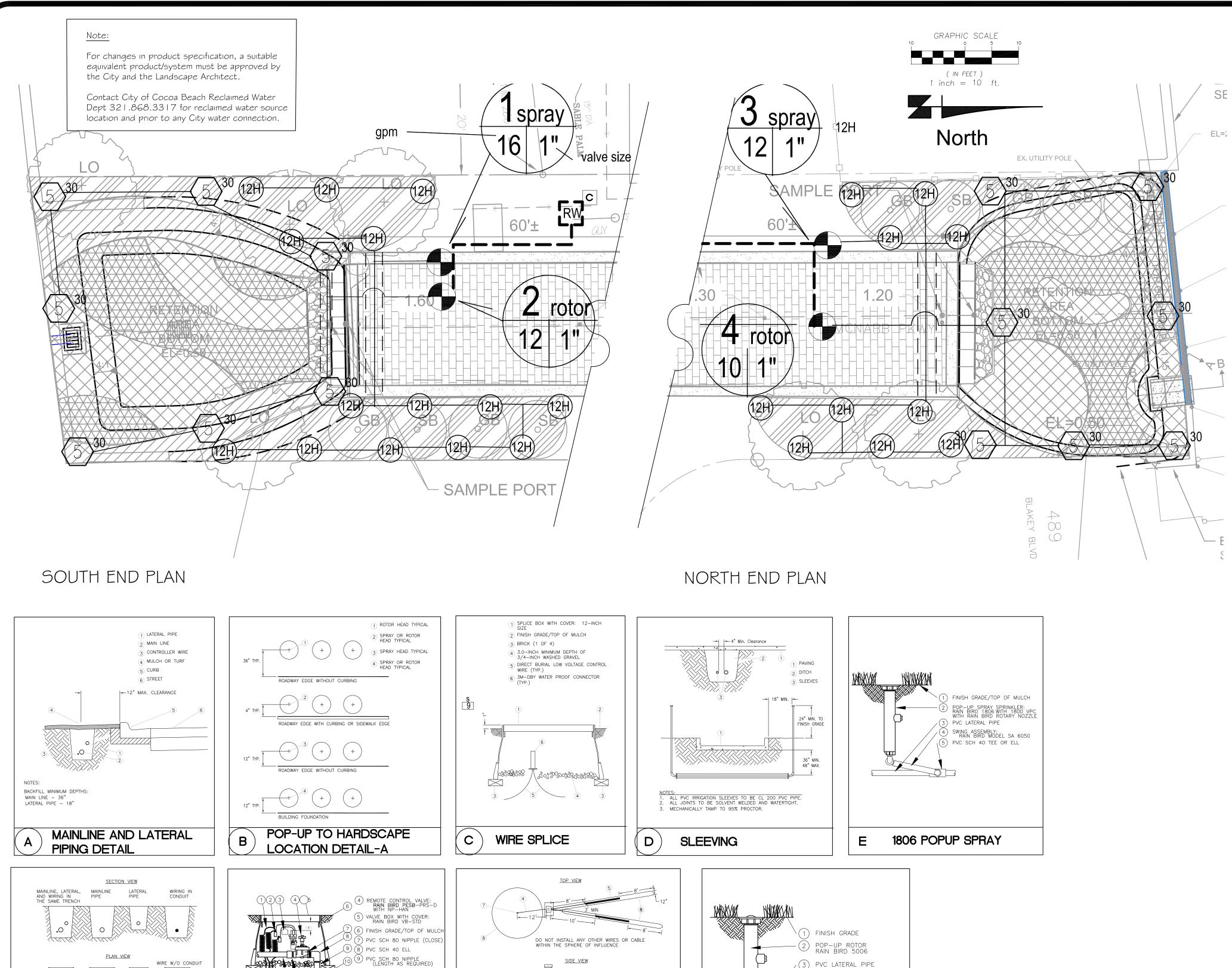
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^{Date:} 10 Jan 2020 Scale: as shown

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(5) GROUND PLATE (4" X 96" X .0625")

7 GROUND ROD (5/8" X 10')

8 ELECTRODE SPHERE OF INFLUENCE

* OR BELOW FROSTLINE, WHICHEVER IS DEEPER

(5) PVC SCH 40 TEE OR ELL

5006 POP-UP ROTOR

) PVC MAINLINE PIPE

5) PVC LATERAL PIPE

2)WATERPROOF CONNECTION RAIN BIRD SPLICE-1 (1 OF 2)

(3)D TAG: RAIN BIRD VID SERIES

PESB PRSD

REMOTE-CONTROL VALVE

SLEEVE BELOW ALL HARDSCAPE ELEMENTS WITH CL 200 PVC TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE WITHIN — MINIMUM OF 2" FOR PIPE AND WIRE BURIAL DEPTHS SEE SPECIFICATIONS.

PIPE AND WIRE TRENCHING

2 SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND SCH 40 ELL 3) PVC SCH 40 TEE OR ELL

4) PVC SCH 40 MALE ADAPTER

CONCRETE PAD

3 PVC SWEEP ELL (1 1/2" OR LARGER)

GROUNDING DETAIL

GENERAL IRRIGATION SCHEDULE

1) THE IRRIGATION CONT'R SHALL REFER TO THE LANDSCAPE PLAN WHEN LAYING PIPE TO AVOID NEW AND EXISTING TREES AND LARGE SHRUBS. 2) ALL WIRING FROM THE IRRIGATION CONTROLLER TO THE REMOTE CONTROL VALVES, SHALL BE UF-14-1 DIRECT BURIAL CABLE. ALL WIRE SPLICES SHALL BE MADE IN VALVE BOXES ONLY, USING 3M "DRY—SPLICE" OR APPROVED EQUAL. PROVIDE SLEEVES FOR WIRE UNDER PAVED AREAS AS REQUIRED. 3) IRRIGATION HEADS NEAR WALLS ARE TO BE SITUATED TO SPRAY WATER AWAY FROM WALLS.

4) THE CONT'R SHALL INSTALL THE IRRIGATION CONTROLLER AS INDICATED ON THE DRAWINGS WITH A SPECIFIC LOCATION PROVIDED BY THE CLIENT. 5) THE CONT'R SHALL VERIFY ALL CONDITIONS AND DIMENSIONS SHOWN ON PLANS ON-SITE PRIOR TO COMMENCEMENT OF WORK UNDER THIS CONTRACT. 6) ALL IRRIGATION INSTALLATION SHALL MEET LOCAL CODES AND REG'S. 7) CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS FOR ALL WORK.

8) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL ADJUSTMENT OF THE SPRINKLERS ARC AND RADIUS TO ASSURE 100 PERCENT COVERAGE. 9) 110 VOLT/15 AMP; SINGLE PHASE ELECTRICAL POWER SHALL BE PROVIDED FOR THE IRRIGATION CONTROLLER. ALL HIGH VOLTAGE ELECTRICAL IS TO BE PROVIDED BY A CERTIFIED ELECTRICIAN. ALL LOW VOLTAGE WIRING TO THE CONTROL VALVES, SOLENOID CONNECTIONS AND RELAYS TO BE PROVIDED BY THE IRRIGATION CONTRACTOR. 10) IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF STRUCTURES AND UTILITIES. THE IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY HIS WORK. HE SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS AND PAVING ETC. 11) DESIGN MODIFICATIONS SHALL ONLY BE MADE AS NECESSARY TO MEET FIELD CONDITIONS AND ONLY UPON APPROVAL OF THE OWNER. 12) ALL PIPING ON THE PLANS IS DIAGRAMMATICALLY ROUTED FOR DRAWING CLARITY AND SHALL ACTUALLY BE ROUTED TO AVOID TREES, UTILITIES AND EQUIP. ANY VALVES, LATERAL LINES AND/OR MAINLINE SHOWN IN PAVED AREAS OR OFFSITE OR ON ANY OUTPARCELS IS FOR SCHEMATIC

PURPOSES ONLY. ACTUALLY LOCATE ALL IRRIGATION EQUIPMENT AND PIPING AT THE INSIDE EDGE OF CURBS AND SIDEWALKS WHENEVER POSSIBLE, AND WITHIN THE PROPERTY LIMITS OF THE PROJECT, WITHIN THE STREETSCAPE BUFFERS AND WITHIN THE ADJACENT PLANTING AREAS AND/OR SLEEVING. ALL PIPING CROSSING THE PAVED AREAS SHALL BE INSTALLED WITHIN SLEEVING. NO PIPE FITTINGS OR CHANGES OF DIRECTION ARE TO OCCUR UNDER PAVED AREAS.

Contractor is to be fully versed of the engineering and utilities documents and mark all utilities before beginning construction.

All irrigation piping should be laid outside of the dripzone of existing trees and a minimum of 6' from the trunk of new trees, as far as possible. Pipe can come directly towards a tree to place a spray or rotor; however, placing pipe perpendicular to the radial root growth is highly discouraged.

Irrigation piping shown on walks and other pavement, unless crossing a drive or walk, is for schematic purposes only, locate in adjacent planting area. Provide electrical and irrigation pipe sleeving for all driveway crossings.

VALVE SCHEDULE

NUMI	BER_	MOE	<u>DEL</u>	<u>s</u>	SIZE	TYPE	<u>GPM</u>		RUN TIM MINUTES
02	RAIN	BIRD	100 pesb 100 pesb 100 pesb	prs	1"	spray rotor spray	16 12 12	1.5 1.5 1.5	30 30 30
04	RAIN	BIRD	100 pesb	prs	1"	rotor	10	1.5	30

IRRIGATION PIPING SCHEDULE

PURPLE-CODED RE-USE IRRIGATION LATERAL PVC CLASS 160; SMALLEST LATERAL PIPE SIZE IS 1". SIZE INDICATED ON PLAN.

PURPLE-CODED RE-USE MAINLINE: PVC CLASS 200 1.5" AND ABOVE.

PIPE SLEEVE: PVC SCHEDULE 40 TYPICAL PIPE SLEEVE FOR IRRIGATION PIPE. PIPE SLEEVE SIZE SHALL BE TWICE THE SIZE OF ITEM SLEEVED, 1 ITEM PER SLEEVE. ALLOW FOR IRRIGATION PIPING AND THEIR RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION. PROVIDE SLEEVES UNDER ALL SIDEWALK AND DRIVEWAY PAVEMENTS.

IRRIGATION SCHEDULE

SYMB	DL MANUFACTURER/MODEL/DESCRIPTION	PSI	<u>GPM</u>	RADIU
1806 SPRA	<u> 18</u>			
(12H)	RAINBIRD HE-VAN-12 HIGH EFFICIENCY VARIABLE ARC NOZZLE; 1806 6" POP-UP BODY. TURF SPRAY 9-12' RADIUS	30	.6-2.4	1 12'
ROTORS				
(5)	RAINBIRD 5006-MPR-35 MATCHED PRECIP ROTOR 6" POP-UP BODY. LAWN ROTOR; Q,H, $^3\!4$, or F	45	varies	35'
PIPE	SIZING 160 CLASS LATERAL			

L JIZING 160 CLAJJ LA

PIPE SIZE	MAX GPM 0-16
1 1/4"	16-28
1 ½'	28-35
2"	35-55

IRRIGATION EQUIPMENT SCHEDULE

MANUFACTURER/MODEL/DESCRIPTION

RAINBIRD 100-PESB-PRS, 150-PESB-PRS OR 200-PESB-PRS ELECTRIC REMOTE CONTROL SCRUBBER VALVES; SEE SIZE ON VALVE SCHEDULE.

RAINBIRD ESP-TM2 - 12 -120V CONTROLLER IN WALL MOUNT PLASTIC CABINET; 12 ZONE W/ RSD SERIES RAIN SENSOR Reclaimed water source; contact the City of Cocoa Beach Reclaimed Water Dept.

See Sheet L-1 for Landscape Plan and Details, L-2 for Irrigation Plan and Details, L-3 for Technical Specs



Checked:

Date: 10 Jan <u>2020</u>

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