



Stantec 6900 Professional Pkwy East, Suite 100 Sarasota, Florida 34240, U.S.A.

Tel. 941.907.6900 Fax. 941.907.6910 www.stantec.com

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Consultants

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. 100% PLAN SET		ASM	SAB	02.22.13
. 90% PLAN SET	,	ASM	SAB	02.13.13
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ile Name:	ASM		SAB	12.04.12
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SCOTT A. BUTTARI, L.A. FLORIDA LICENSE NO. 0001756

Manatee County Board of County Comissioners

Blackstone Park Expansion

City of Palmetto, Florida

LANDSCAPE PLANTING DETAILS

Project No. 215611237	Scale	15	30	45	75
Drawing No.	Sheet		Revision		
I D_501		of		0	

ORIGINAL SHEET - ARCH D

_ LP-501

LANDSCAPE NOTES

- 1. CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION PRIOR TO INITIATING PLANTING INSTALLATION.
- 2. CONTRACTOR SHALL NOTIFY ALL PERTINENT UTILITY COMPANIES 48 HOURS MINIMUM PRIOR TO DIGGING FOR VERIFICATION OF ALL UNDERGROUND UTILITIES. PLANS ARE PREPARED ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARING THESE DOCUMENTS.
- 3. THE CONTRACTOR SHALL BECOME COMPLETELY FAMILIAR WITH EXISTING SITE CONDITIONS PRIOR TO BEGINNING INSTALLATION. ALL EXISTING SITE IMPROVEMENTS, PAVING, LANDSCAPE, LIGHTING, AND OTHER SITE ELEMENTS TO REMAIN SHALL BE PROTECTED FROM DAMAGE UNLESS OTHERWISE NOTED.
- 4. UNLESS OTHERWISE NOTED, THE LIMITS OF CONSTRUCTION ARE THE CLEARING LIMITS NOTED ON THE PLANS.
- 5. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND ACTUAL FIELD CONDITIONS TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- 6. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH RELATED CONTRACTORS AND WITH THE GENERAL CONSTRUCTION OF THE PROJECT IN ORDER TO NOT IMPEDE THE PROGRESS OF WORK OF OTHERS OR THE
- CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ALL EXISTING GROUND COVERS FOR ALL NEW PLANTING BEDS BY APPROVED MEANS PRIOR TO PLANTING INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ALL PORTIONS OF EXISTING PLANTING OR LAWN AREAS INDICATED TO REMAIN WHILE COMPLETING NEW PLANTING INSTALLATION WORK WITH SAME KIND OF PLANTS OR GRASS TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
- 8. THE CONTRACTOR SHALL BEAR ALL COST ASSOCIATED WITH SOIL TESTING AND SOIL AMENDMENTS AS REQUIRED AS A RESULT OF THE SOIL TESTING LABORATORY'S RECOMMENDATIONS. PRIOR TO INITIATING INSTALLATION THE CONTRACTOR SHALL PROVIDE SOIL TEST FOR AT LEAST TWO ON-SITE LOCATIONS.
- 9. ALL PLANT CONTAINER SIZES NOTED ON THE PLANT LIST/MATERIAL SCHEDULE ARE MINIMUM. INCREASE SIZE OF CONTAINERS IF NECESSARY TO CONFORM TO THE PLANT SIZE AND SPECIFICATIONS.
- 10. EROSION CONTROL FABRIC SHALL BE INSTALLED IN ALL SHRUB AND GROUND COVER PLANTING AREAS AS PER THE DETAILS AND/OR SPECIFICATIONS FOR ALL SLOPES THAT ARE GREATER THAN 3:1 (SLOPES 1' VERTICAL FOR EVERY 3' HORIZONTAL). SEE CIVIL ENGINEERING PLANS FOR LOCATIONS WHERE SLOPES ARE GREATER THAN
- 11. SHRUB AND GROUND COVER PLANTINGS ARE TYPICALLY SHOWN ON THE PLANS IN MASS PLANTING BEDS. PLANTS SHALL BE SET IN A TRIANGULAR SPACING PATTERN (STAGGERED SPACING). PLANT CENTER TO CENTER DIMENSIONS (O.C.) ARE INDICATED IN THE PLANT LIST.
- 12. LANDSCAPE CONTRACTOR SHALL FIELD ADJUST THE LOCATION OF PLANT MATERIAL AS NECESSARY TO AVOID DAMAGE TO EXISTING TREES AND UNDERSTORY VEGETATION TO REMAIN, UNDERGROUND AND ABOVE GROUND UTILITIES AND ALL OTHER ABOVE GROUND ELEMENTS. ALL CHANGES REQUIRED SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT PRIOR TO INITIATING ANY CHANGES.
- 13. WHEN NECESSARY, PLANTING WITHIN THE DRIPLINE/CANOPY OF EXISTING TREES SHOULD BE DONE IN THE MOST SENSITIVE MANNER POSSIBLE IN ORDER TO AVOID ROOT DAMAGE. ALL NEW PLANTINGS WITHIN THE DRIPLINE/CANOPY SHOULD BE HAND-DUG AND FIELD ADJUSTED TO AVOID ROOTS AS NECESSARY.
- 14. ANY SUBSTITUTIONS TO PLANT MATERIAL SIZE OR TYPE MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. LANDSCAPE CONTRACTOR SHALL NOT MAKE ANY SUBSTITUTIONS OR ALTERATIONS TO THE LANDSCAPE PLANTING PLANS OR PLANT LIST & MATERIALS WITHOUT THE PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE. ANY LANDSCAPE PLANTING INSTALLED THAT DOES NOT CONFORM TO THE PLANS, PLANT LIST AND SPECIFICATIONS SHALL BE REPLACED IMMEDIATELY TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.
- 15. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING AS REQUIRED TO MAINTAIN AND ESTABLISH ALL PLANTING (NEW, EXISTING TO BE RELOCATED, AND EXISTING PLANTINGS TO REMAIN WHILE IRRIGATION SYSTEM IS BEING INSTALLED OR REPAIRED) TO SUPPLEMENT IRRIGATION AND RAINFALL. THE IRRIGATION SYSTEM IS DESIGNED TO MAINTAIN THE LANDSCAPE PLANTINGS AND NOT ESTABLISH THEM. THE CONTRACTOR IS RESPONSIBLE FOR WATERING IN ALL PLANTING AREAS, REGARDLESS OF THE STATUS OF EXISTING OR PROPOSED IRRIGATION SYSTEMS.
- 16. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, IN FULL, ALL PLANTING AREAS (INCLUDING WATERING, SPRAYING, MULCHING, MOWING, FERTILIZING, AND WEEDING, ETC.) UNTIL THE JOB IS ACCEPTED.
- 17. CONTRACTOR SHALL ASSURE DRAINAGE AND PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION OF PLANT MATERIAL. CORRECT IF REQUIRED TO ASSURE PERCOLATION. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ALL PLANTS LOST DUE TO INADEQUATE DRAINAGE CONDITIONS.
- 18. CONTRACTOR SHALL CLEAN THE WORK AREAS AT THE END OF EACH WORKING DAY. LANDSCAPE RUBBISH AND DEBRIS SHALL BE COLLECTED AND DEPOSITED OR RECYCLED OFF-SITE DAILY. ALL MATERIALS, PRODUCTS, AND EQUIPMENT STORED ON-SITE SHALL BE KEPT IN AN ORGANIZED MANNER DAILY.
- 19. CONTRACTOR SHALL RE-GRADE ALL AREAS DISTURBED BY PLANT REMOVAL, RELOCATION, AND/OR FROM INSTALLATION WORK. THE CONTRACTOR SHALL REPLACE BY EQUAL SIZE AND QUALITY ANY AND ALL EXISTING PLANT MATERIAL DISTURBED OR DAMAGED BY PLANTING REMOVAL, RELOCATION, AND/OR INSTALLATION.
- 20. EXISTING TREES OR OTHER PLANT MATERIAL INDICATED ON THE PLANS TO BE RELOCATED SHALL BE HANDLED, CARED FOR, AND MAINTAINED AS NEW PLANTINGS. THE CONTRACTOR IS RESPONSIBLE FOR ANY REQUIRED ROOT PRUNING, WRAPPING, TREE SPADING OR BALL AND BURLAPPING, ADDITIONAL SUPPLEMENTAL HAND WATERING, IRRIGATION MISTERS INSTALLED AT THE TREE CANOPY, OR ANY OTHER SOUND HORTICULTURAL PRACTICE REQUIRED TO ENSURE THE SURVIVAL OF ALL RELOCATED PLANT MATERIAL.
- 21. THE CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, SPECIFICATIONS, PLANT LIST AND PLANS FOR FURTHER AND COMPLETE PLANTING INSTALLATION INSTRUCTIONS.
- 22. LANDSCAPE CONTRACTOR SHALL FULLY FAMILIARIZE HIMSELF / HERSELF WITH THE PROJECT PRIOR TO BIDDING
- 23. FOR SITE GRADING AND CONTOUR INFORMATION, EXISTING VEGETATION TO REMAIN, BUILDINGS AND OTHER SITE FEATURE LOCATIONS AND THE LOCATION OF ALL ABOVE AND BELOW GROUND UTILITIES SEE THE MOST CURRENT AND UP TO DATE ARCHITECTURAL, CIVIL, ELECTRICAL, STRUCTURAL AND MECHANICAL ENGINEERING DRAWINGS AS PROVIDED BY THE OWNER OR OWNER'S REPRESENTATIVE. FIELD LOCATE ALL UNDERGROUND UTILITIES, EXISTING VEGETATION TO REMAIN AND ANY OTHER OBSTRUCTIONS AND COORDINATE WITH OWNER'S REPRESENTATIVE PRIOR TO INITIATING ANY LANDSCAPE PLANTING OR IRRIGATION INSTALLATION WORK. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY DAMAGE COMMITTED TO EXISTING OR PROPOSED ELEMENTS ABOVE OR BELOW GROUND TO ITS ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER AND OWNER'S REPRESENTATIVE.
- 24. LANDSCAPE CONTRACTOR SHALL FIELD STAKE THE LOCATION OF ALL PLANT MATERIAL AND EDGES OF PLANTING BEDS FOR THE REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INITIATING ANY INSTALLATION OF THE LANDSCAPE PLANTINGS.
- 25. LANDSCAPE CONTRACTOR SHALL COORDINATE WORK WITH THE IRRIGATION CONTRACTOR AND ALL OTHER TRADES AS REQUIRED.
- 26. THE CONTRACTOR SHALL REQUEST INSPECTION OF THE PROJECT IN WRITING. IF ALL WORK IS SATISFACTORY AND COMPLETE IN ACCORDANCE WITH CONDITIONS OF CONTRACT DOCUMENTS, THEN THE OWNER AND LANDSCAPE ARCHITECT SHALL DECLARE THE WORK SUBSTANTIALLY COMPLETE. THE CONTRACTOR IS TO REPLACE REJECTED PLANT MATERIAL WITHIN ONE (1) WEEK OF NOTICE.
- 27. GUYING/STAKING PRACTICES SHALL NOT PERMIT NAILS, SCREWS, WIRES, ETC., TO PENETRATE OUTER SURFACE OF THE TREE OR PALM. PLANT MATERIAL REJECTED DUE TO THIS PRACTICE SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. REMOVAL OF ALL STAKING AND GUYING OF TREES AND PALMS AFTER FINAL ACCEPTANCE SHALL BE THE RESPONSIBILITY OF THE OWNER.
- 28. ALL PLANT MATERIAL SHALL BE FLORIDA NO.1 OR BETTER AT TIME OF INSTALLATION AND SHALL BE MAINTAINED IN THIS SAME CONDITION UNTIL FINAL ACCEPTANCE. THE CONTRACTOR GUARANTEES THE PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR FOLLOWING DATE OF SUBSTANTIAL COMPLETION.
- 29. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE. ALL PLANT MATERIAL SHALL BE IN FULL AND STRICT ACCORDANCE TO FLORIDA NO.1 GRADE, ACCORDING TO THE GRADES AND STANDARDS FOR NURSERY PLANTS. PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. PLANT MATERIAL IN SOME INSTANCES EXCEED NO.1 GRADE IN ORDER TO MEET THE MINIMUM REQUIREMENTS OF THIS PROJECT.

LANDSCAPE PLANT LIST

Symbol	Scientific Name	Common Name	Specification	Quantity
	CANOPY TREES			
MG	Magnolia virginiana	Sweetbay Magnolia	14'-16' OA Ht. x 5' Spr., 4" Cal., 6' CT	16
QV	Quercus virginiana SDLN pp12015	Cathedral Live Oak	12'-14' OA Ht. x 4' Spr., 3" Cal.	28
	PALMS			
SPX	Sabal palmetto	Cabbage Palm	10', 12', 14' CT, Mix, HC, Booted	38
	SHRUBS / GROUNDCOVERS			
ARG	Arachis glabrata	Perennial Peanut	Liner, 18" OC	7,120
LAD	Lantana depressa	Florida Lantana	1 Gal., 24" OC	977
мин	Muhlenbergia capillaris	Muhly Grass	1 Gal., 12" OA., 30" OC	290
MYC	Myrica cerifera	Wax Myrtle	7 Gal., 36" OA, Full, Space as indicated in plan	193
SPB	Spartina bakerii	Sand Cordgrass	1 Gal., 12" OA., 30" OC	140
TRD	Tripsacum dactyloides	Fakahatchee Grass	3 Gal., 18" OA, 48" OC, Space as indicated in plan	250
VIO	Viburnum obovatum 'Mrs Shillers Delight'	Mrs Shillers Delight Viburnum	3 Gal., 18" OA, 36" OC	105
VIB	Viburnum obovatum	Walters Viburnum	3 Gal., 24" OA, Space as indicated in plan	112
ZAM	Zamia pumila	Coontie	3 Gal., 18" OA, 36" OC	40
	OTHER			
Sod 'A'	Cynodon dactylon	Common Bermudagrass	Solid Sod, Sand Grown, Laid, Rolled, Free of Weeds and Pests	SF
Sod 'B'	Cynodon transvaalensis x C. dactylon	Tifway 419 Bermudagrass	Solid Sod, Sand Grown, Laid, Rolled, Free of Weeds and Pests	SF
Sod 'C'	Paspalum notatum	Bahiagrass	Per Site Contractor	
Mulch	Pine Bark Nuggets		3" Depth, All Planting Areas/Tree Rings unless specified otherwise	CY

TREE PROTECTION NOTES

- A. PRUNING OF A GRAND OAK, WITH THE EXCEPTION OF MINOR PRUNING, IS PROHIBITED UNLESS CONDUCTED IN ACCORDANCE WITH THE ANSI A-300 PRUNING STANDARDS, AND PERFORMED BY AN ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) OR A REGISTERED CONSULTING ARBORIST WITH THE AMERICAN SOCIETY OF CONSULTING ARBORISTS (ASCA). MINOR PRUNING IS THE PRUNING OF A TREE BY THE REMOVAL OF BRANCHES NO GREATER THAN THREE (3) INCHES IN DIAMETER AT THE POINT OF CONNECTION TO A SUPPORTING BRANCH AND SHALL BE IN ACCORDANCE WITH THE ANSI A-300 PRUNING STANDARDS. A NOTARIZED AFFIDAVIT AFFIRMING AN ISA CERTIFIED ARBORIST OR AN ASCA REGISTERED CONSULTING ARBORIST WILL CONDUCT OR PROVIDE ONSITE SUPERVISION OF THE PRUNING SHALL BE SUBMITTED TO THE COUNTY PRIOR TO THE PRUNING OF A GRAND OAK. AN ISA CERTIFIED ARBORIST OR AN ASCA REGISTERED CONSULTING ARBORIST CONTRACTED BY A PROPERTY OWNER TO PRUNE A GRAND OAK SHALL ASSUME FULL RESPONSIBILITY FOR ALL PRUNING ACTIVITIES DETERMINED IN NONCOMPLIANCE WITH STANDARDS SPECIFIED WITHIN THE LAND DEVELOPMENT CODE.
- B. ALL TRIMMING UNDERTAKEN ON A TREE PROTECTED BY THE PROVISIONS OF THE LAND DEVELOPMENT CODE SHALL BE IN ACCORDANCE WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A-300 PRUNING STANDARDS.
- C. PROPOSED LAND ALTERATION ACTIVITIES SHALL NOT UNNECESSARILY REMOVE EXISTING VEGETATION AND ALTER EXISTING TOPOGRAPHY. ADEQUATE PROTECTION MEASURES (I.E., HAY BALES, BAFFLES, SODDING AND SANDBAGGING) SHALL BE PROVIDED, AS NECESSARY, TO MINIMIZE EROSION AND DOWNSTREAM SEDIMENTATION CAUSED BY SURFACE WATER RUN-OFF ON EXPOSED LAND SURFACES.
- D. DURING LAND ALTERATION AND CONSTRUCTION ACTIVITIES, IT SHALL BE UNLAWFUL TO REMOVE VEGETATION BY GRUBBING OR TO PLACE SOIL DEPOSITS, DEBRIS, SOLVENTS, CONSTRUCTION MATERIAL, MACHINERY OR OTHER EQUIPMENT OF ANY KIND WITHIN THE DRIPLINE OF A TREE TO REMAIN ON THE SITE UNLESS OTHERWISE APPROVED BY THE COUNTY.
- ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATIVE MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETER SOIL DISTURBANCE. SODDING, PLUGGING, SPRIGGING OR SEEDING IS ACCEPTABLE FOR STABILIZATION: HOWEVER, SODDING MAY BE REQUIRED IN AREAS OF EROSION-PRONE SOILS OR WHERE SLOPES ARE GREATER THAN 5:1. VEGETATION OTHER THAN GRASS IS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.
- F. INSTALL TREE BARRICADES TO THE FULLEST EXTENT OF THE DRIPLINE OF ALL TREES/PALMS AS POSSIBLE AND/OR TO THE MAXIMUM LIMIT OF IMPROVEMENT(S) AS POSSIBLE (OF COURSE REALIZING THAT THE TREE BARRICADES MAY HAVE TO BE "BACKED OFF" THE IMPROVEMENT(S) BY 1' TO 2' MAXIMUM TO INSTALL THE IMPROVEMENT(S). DO NOT INSTALL TREE BARRICADES (SPECIFICALLY SILT FENCING MATERIAL) BY TRENCHING WITHIN THE DRIPLINE OF EXISTING TREES/PALMS.
- G. LAND ALTERATION AND CONSTRUCTION ACTIVITIES SHALL BE APPROVED WITHIN THE DRIPLINE OF A TREE TO BE RETAINED ON THE SITE PROVIDED DESIGN TECHNIQUES ARE USED THAT MINIMIZE DAMAGE TO THE ROOT SYSTEM OF THE TREE (E.G., RETAINING WALLS, TREE WELLS, ROOT AERATION DEVICES, PERVIOUS PAVERS, PERVIOUS CONCRETE, GREEN SPACE, AS APPROPRIATE). WHERE IT IS NOT PRACTICAL FOR UNDERGROUND UTILITY LINES TO BE ROUTED AROUND THE DRIPLINE, TUNNELING SHALL BE EMPLOYED TO ROUTE THE LINES THROUGH THIS AREA.

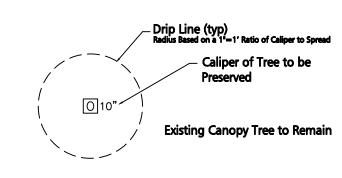
TREE REMOVAL SCHEDULE

PER CITY OF PALMETTO CODE OF ORDINANCES, ARTICLE X. SEC. 7-224(b) 64" CAL. TO BE REMOVED = 64" CAL. TO BE REPLACED (148" PROVIDED) * EXISTING HEALTHY SABAL PALMS ARE TO BE RELOCATED ON THE SUBJECT SITE.



- 1. TREE REMOVAL INFORMATION IDENTIFIED IN THE SCHEDULE IS BASED ON A GENERAL IDENTIFICATION OF EXISTING TREES IN THE VICINITY OF THE PROPOSED DRIVES, BUILDINGS, UTILITIES, AND
- 2. TREES 15" OR LESS DBH SHALL BE REPLACED WITH 3" CAL. TREES BETWEEN 16" AND 30" SHALL BE REPLACED WITH 4" CAL. (2:1), OVER 30" WITH 4" CAL. (3:1), AS PER COUNTY RECOMMENDATION. 3. ALL EXISTING HEALTHY SABAL PALMS WILL BE RELOCATED ON THE SUBJECT SITE.

TREE IDENTIFICATION KEY



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2. 100% PLAN SET 1. 90% PLAN SET ASM SAB 02.13.13 Appd. YY.MM.DD Issued SAB 12.04.12 File Name: Dwn. Chkd. Dsgn. MM.DD.YY

> SCOTT A. BUTTARI. L.A. FLORIDA LICENSE NO. 0001756

Manatee County Board of County Comissioners

Blackstone Park

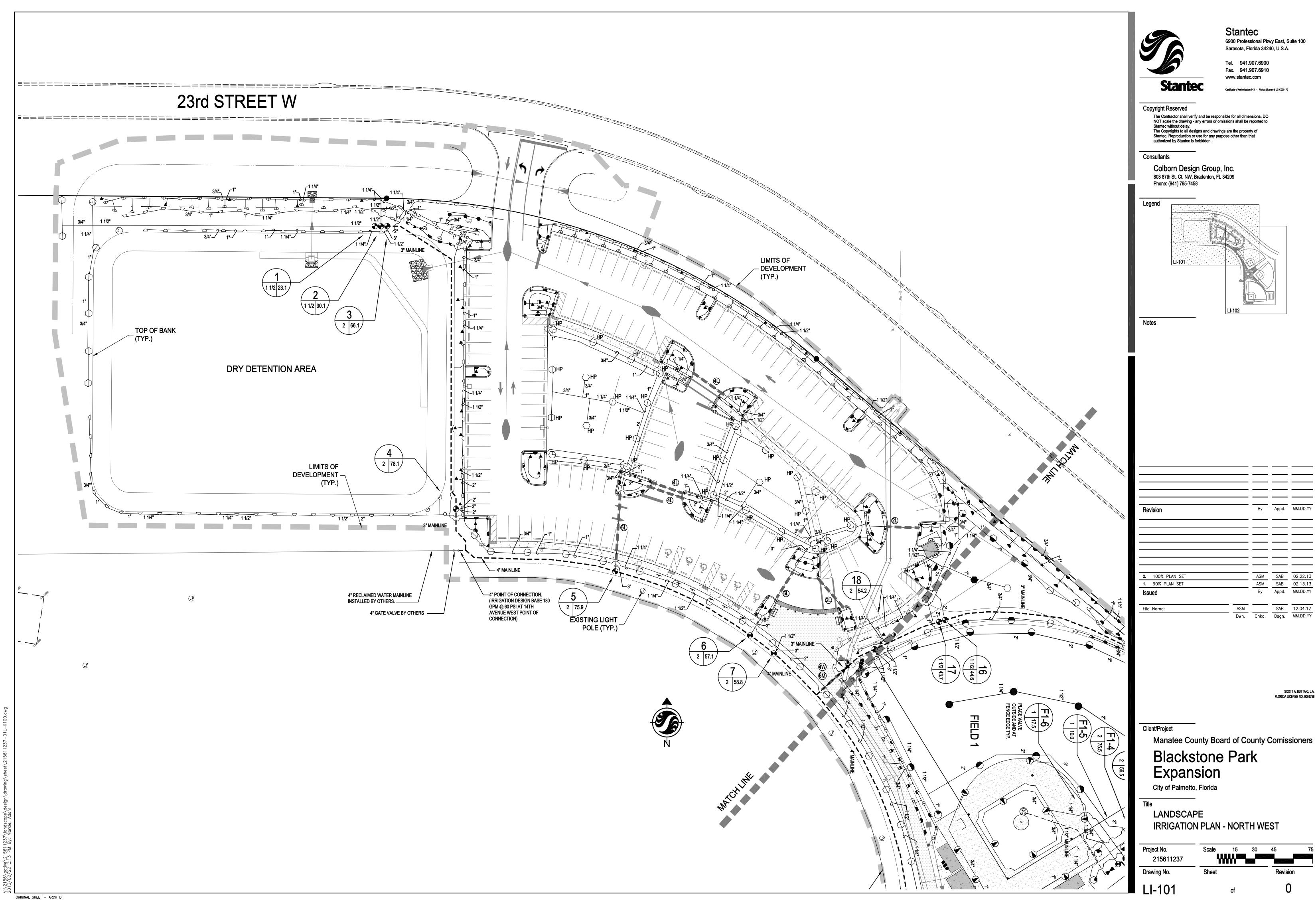
City of Palmetto, Florida

LANDSCAPE PLANTING NOTES

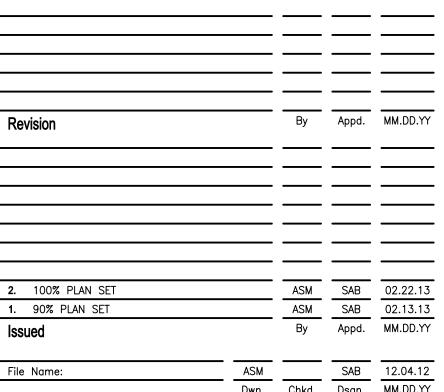
Project No. 15 30 45 215611237 Drawing No.

ORIGINAL SHEET - ARCH D

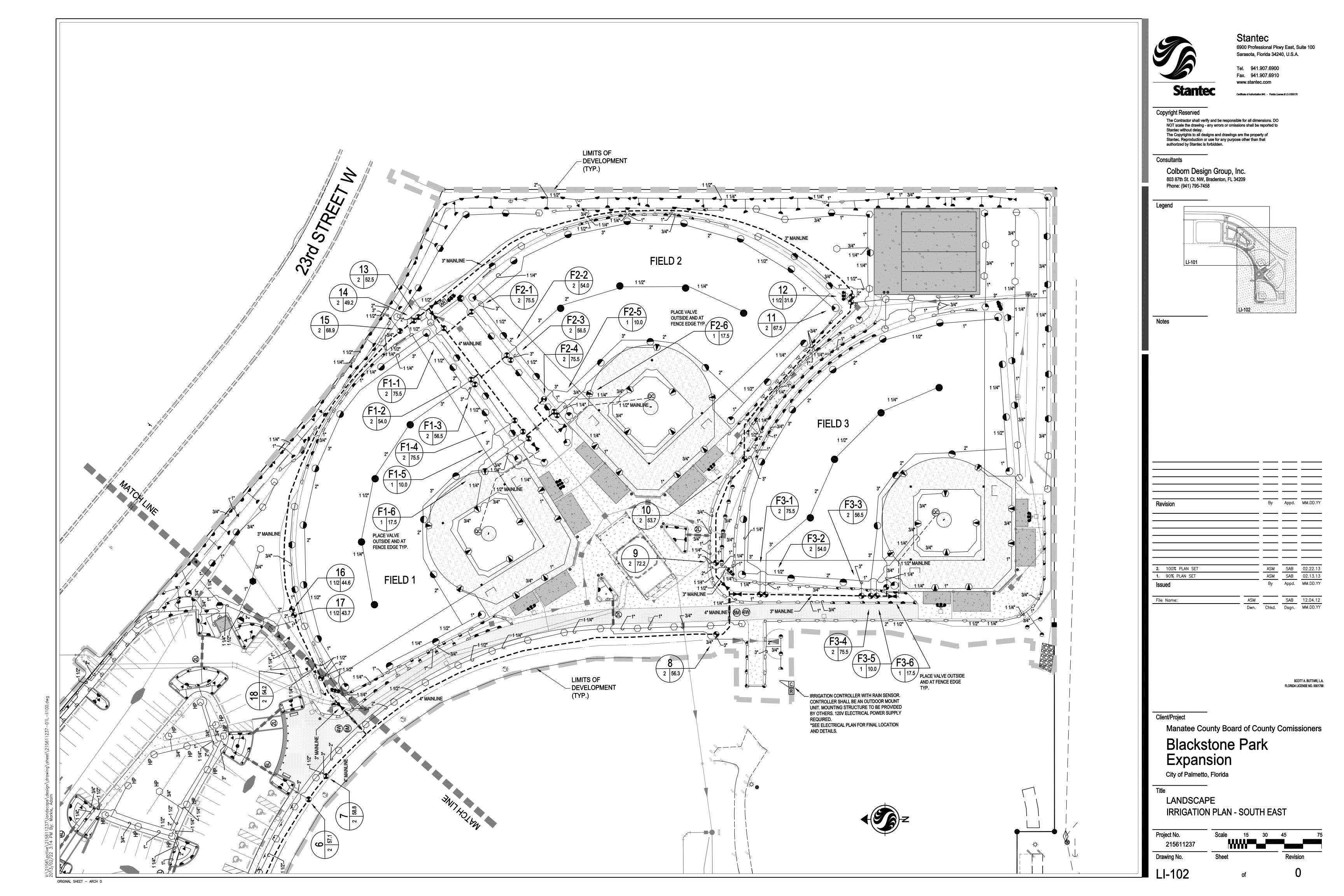
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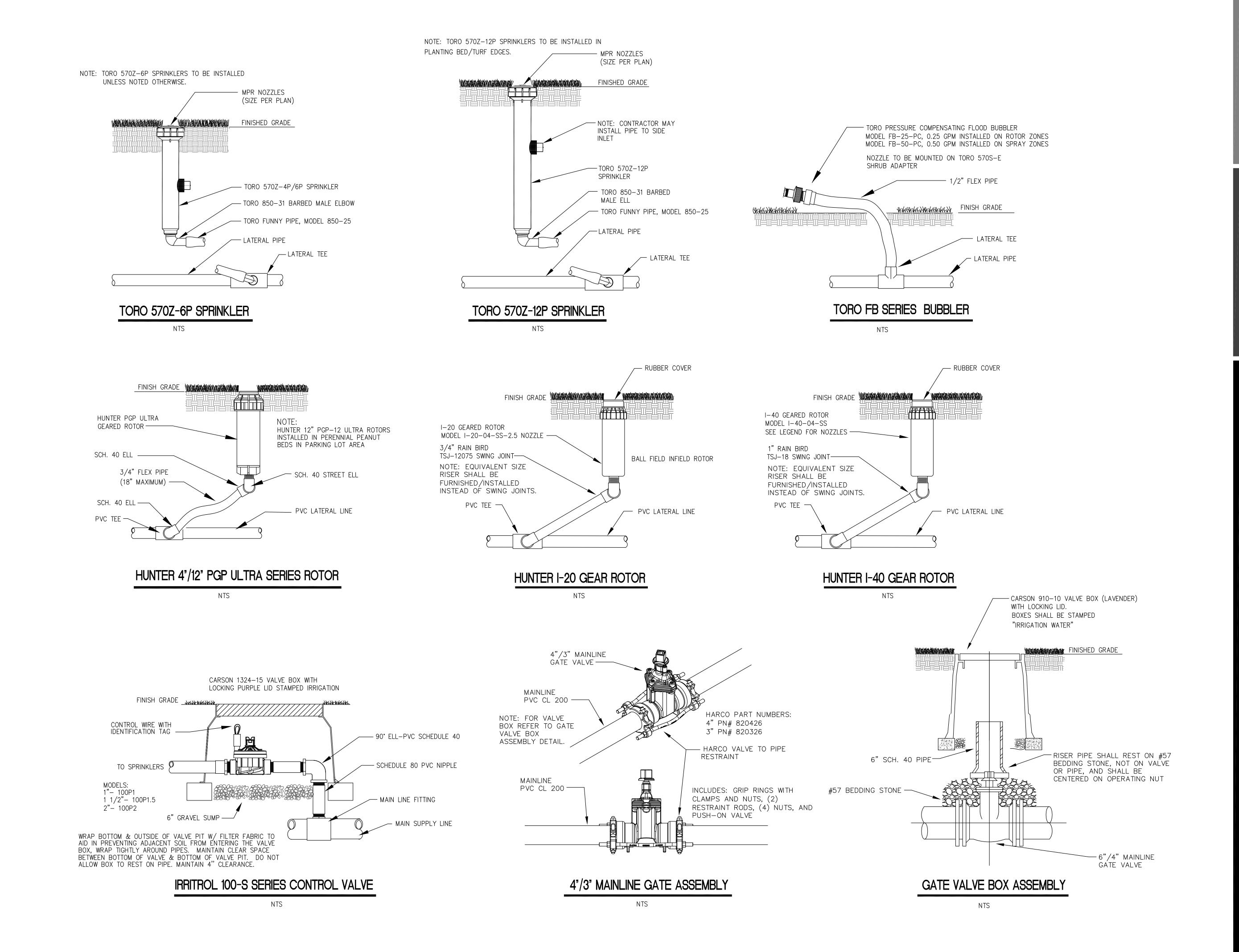


6900 Professional Pkwy East, Suite 100



SCOTT A. BUTTARI, L.A. FLORIDA LICENSE NO. 0001756





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Colborn Design Group, Inc. 803 87th St. Ct. NW, Bradenton, FL 34209 Phone: (941) 795-7458

3. REVISE SWING JOINT NOTE TO REQUIRE RISER ASM SAB 02.22.13
ASM SAB 02.13.13 2. 100% PLAN SET 1. 90% PLAN SET Appd. MM.DD.YY
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Manatee County Board of County Comissioners

Blackstone Park Expansion

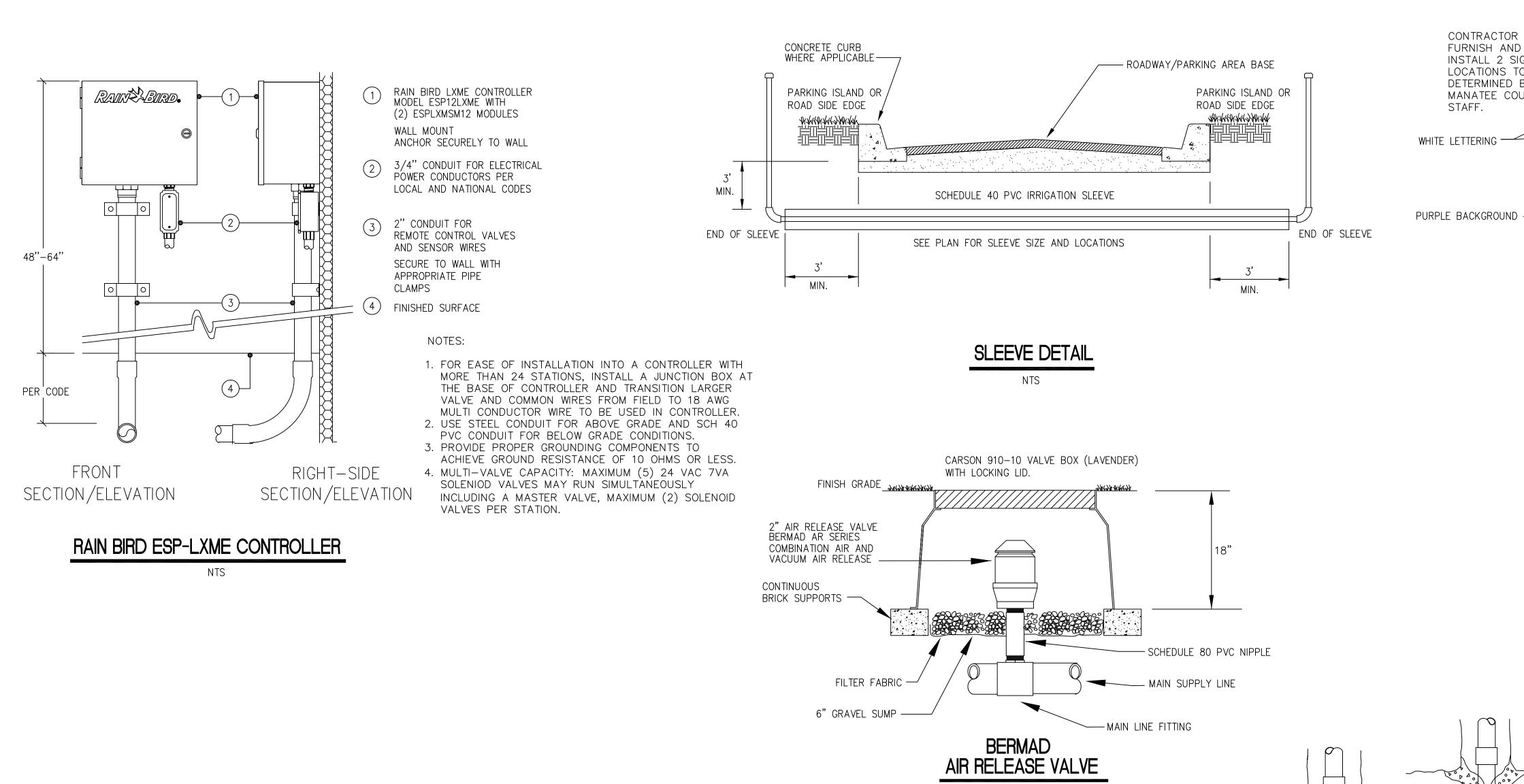
City of Palmetto, Florida

LANDSCAPE **IRRIGATION DETAILS**

Project No. 15 30 45 215611237 Drawing No.

ORIGINAL SHEET - ARCH D

LI-501



-CARSON 910-10 VALVE BOX (LAVENDER)

- RAIN BIRD QUICK COUPLING VALVE

HOSE SWIVEL, MODEL SH-1, FOR 3/4" MALE HOSE THREAD

PROVIDE OWNER WITH (3) HOSE

HOSE SWIVEL, MODEL SH-2 FOR 1" MALE HOSE THREAD

VALVE KEY, MODEL 44K

SWIVELS AND VALVE KEYS.

— FILTER FABRIC

5 REBAR

24" LENGTH

-GRAVEL (1 CU. FT.)

QUICK COUPLING VALVE, MODEL 44-NP

WITH LOCKING LID.

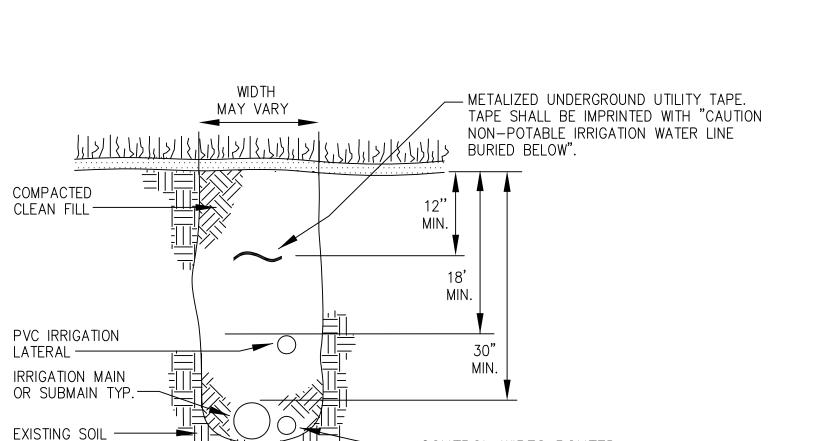
"IRRIGATION WATER"

RAIN BIRD QUICK COUPLING VALVE

NTS

BOXES SHALL BE STAMPED

MANAMAKAKAKAKAKAKAK FINISHED GRADE



ALONG SIDE MAINLINE

TRENCHING DETAIL

THRUST BLOCK REINFORCEMENT

INSTALLATION NOTES

NTS

1. 3000 PSI CONCRETE OR BETTER IS TO BE USED FOR THRUST BLOCKS.

THRUST BLOCKS REQUIRED FOR IRRIGATION MAINLINE 2 1/2" AND LARGER.

4. FOR TEES, MINIMUM OF 2 CUBIC FEET OF CONCRETE TO BE USED.

2. FOR 45°/90° FITTINGS, MINIMUM OF 2 CUBIC FEET OF CONCRETE TO BE USED.

3. FOR 22 1/2° FITTINGS, MINIMUM OF 0.5 CUBIC FEET OF CONCRETE TO BE USED.

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─── 18"──

-CAUTION-

WATER SOURCE FOR

IRRIGATION IS REUSE

REUSE WATER SIGN

(NON-POTABLE)

CONTRACTOR TO

INSTALL 2 SIGNS.

LOCATIONS TO BE

MANATEE COUNTY

FINISH GRADE

DETERMINED BY

STAFF.

FURNISH AND

Colborn Design Group, Inc. 803 87th St. Ct. NW, Bradenton, FL 34209 Phone: (941) 795-7458

VARIES

Notes

3. REVISE SWING JOINT NOTE TO REQUIRE RISER ASM SAB 02.22.13 ASM SAB 02.13.13 2. 100% PLAN SET 1. 90% PLAN SET Appd. MM.DD.YY
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Blackstone Park Expansion

City of Palmetto, Florida

LANDSCAPE

IRRIGATION DETAILS

Project No. 15 30 45 215611237 Drawing No. LI-502

ORIGINAL SHEET - ARCH D

STAINLESS STEEL

SCREW CLAMPS -

CONTINUOUS

DUCTILE IRON SERVICE TEE-

NOTE: EQUIVALENT SIZE RISER SHALL BE

FURNISHED/INSTALLED

PVC MAIN LINE

INSTEAD OF SWING

JOINTS.

SCH 80 PVC NIPPLE -

BRICK SUPPORTS —

RAIN BIRD SWING JOINT MODEL: TSJ-18

- CONTROL WIRES ROUTED

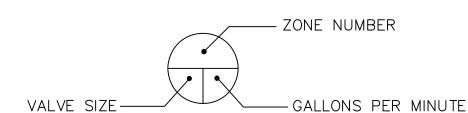
NTS

CONTROLLER SCHEDULE

ZONE	GPM	VALVE SIZE	TYPE
1	23.1	1 1/2"	ROTOR
2	30.1	1 1/2"	SPRAY PLANTS
3	66.1	2"	SPRAY TURF
4	78.1	2"	SPRAY TURF
5	75.9	2"	ROTOR PLANTS
6	57.1	2"	SPRAY PLANTS
7	58.8	2" 2" 2" 2" 2" 2" 2"	ROTOR
8	56.3	2"	SPRAY TURF
9	72.2	2"	SPRAY TURF
10 11	53.7 67.5	2"	SPRAY TURF
12	31.6	1 1/2"	ROTOR ROTOR
13	52.5	7"	ROTOR
14	49.2	2" 2"	SPRAY TURF
15	68.9	2"	SPRAY PLANTS
16	44.6		SPRAY PLANTS
17	43.7	1 1/2" 1 1/2"	ROTOR
18	64.2	2"	SPRAY PLANTS
F1-1	75.5		FIELD 1 ROTOR
F1-2	54.0	2" 2" 2" 2" 1"	FIELD 1 ROTOR
F1 - 3	56.5	2"	FIELD 1 ROTOR
F1-4	75.5	2"	FIELD 1 ROTOR
F1-5		1"	FIELD 1 ROTOR
F1-6	17.5	1"	FIELD 1 ROTOR
F2-1	75.5	2" 2"	FIELD 2 ROTOR
F2-2			FIELD 2 ROTOR
F2-3 F2-4	56.5 75.5	2" 2"	FIELD 2 ROTOR
		2 1"	FIELD 2 ROTOR
F2-5 F2-6		1"	FIELD 2 ROTOR FIELD 2 ROTOR
F3-1	75.5	2"	FIELD 3 ROTOR
F3-1 F3-2	73.3 54.0	2"	FIELD 3 ROTOR
F3-3		2"	FIELD 3 ROTOR
F3-4		2"	FIELD 3 ROTOR
F3-5	10.0	_ 1"	FIELD 3 ROTOR
F3-6		1"	FIELD 3 ROTOR

IRRIGATION DESIGN BASE: 180 GPM AT 60 PSI AT POINT OF CONNECTION. CONTRACTOR HAS OPTION OF PROGRAMMING CONTROLLER TO ALLOW TWO OR MORE ZONES TO RUN SIMULTANEOUSLY. DO NOT EXCEED 180 GPM DESIGN BASE.

*NOTE: AN ADDITIONAL MODULE (4, 8, OR 12 STATION) CAN BE ADDED FOR FUTURE ZONES.



IRRIGATION NOTES

- THE HEAD LAYOUT HAS BEEN DESIGNED TO PROVIDE 100% COVERAGE. ANY CHANGES MADE IN THE HEAD LAYOUT DUE TO FIELD CONDITIONS SHALL BE IN ACCORDANCE WITH THESE STANDARDS.
- SET SPRAY HEADS 3" AND ROTORS 6" IN FROM BACK OF CURB OR 12" IF PAVEMENT HAS NO CURB.
- VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. MAINLINE SHALL NOT BE LOCATED WITHOUT PRIOR APPROVAL OF THE PROJECT MANAGER AND THE LANDSCAPE ARCHITECT. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS-CONTRACTOR SHALL VERIFY.
- ALL PRESSURE MAINLINES UNDER ASPHALT PAVEMENT SHALL BE WITHIN SLEEVES AS NOTED. IRRIGATION COMMUNICATION CABLE SHALL HAVE ITS OWN SEPARATE SLEEVE. LATERAL LINES SHALL BE CONTAINED WITHIN THEIR OWN SLEEVE WHERE SHOWN ON THE PLAN.
- ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR, WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF EACH SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS.
- MAINLINE AND VALVES ARE SHOWN IN SCHEMATIC FORM. LOCATE AS NOTED ON PLANS.
- LOCATE ALL VALVES A MINIMUM OF 24" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
- ALL UNSIZED PIPE SHALL BE 3/4" UNLESS OTHERWISE NOTED.
- ALL VALVES SHALL BE INSTALLED IN A CARSON LAVENDER COLOR VALVE BOX WITH LOCKING LID AND STAMPED "IRRIGATION WATER". SEE DETAILS FOR MODEL NUMBERS.
- IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE HIGHWAY JURISDICTION.
- VERIFY POINT OF CONNECTION AND IRRIGATION CONTROLLER LOCATION AT PROJECT SITE WITH OWNER.
- ELECTRIC SERVICE TO THE IRRIGATION CONTROLLER SHALL BE PROVIDED BY THE GENERAL CONTRACTOR.
- ALL 24 VAC WIRING SHALL BE OF DIRECT BURIAL COPPER WIRE AS FOLLOWS: CONTROL WIRES - #14 COMMON WIRES - #12
- DURING INSTALLATION AND UPON COMPLETION OF THE IRRIGATION SYSTEM, VALVES SHALL BE WIRED TO THE CONTROLLER AS PER THE IRRIGATION ZONE NUMBERS.
- ALL CONNECTIONS TO THE IRRIGATION MAINLINE SHALL BE ACCOMPLISHED USING HARCO DUCTILE IRON SERVICE TEES. ALL CHANGES IN DIRECTION OF THE MAINLINE SHALL BE ACCOMPLISHED USING HARCO DUCTILE IRON 45 DEGREE ELBOWS.
- CONTRACTOR SHALL INSTALL METALIZED IDENTIFICATION TAPE ABOVE ALL IRRIGATION MAINLINES AS SHOWN ON TRENCHING DETAIL.
- INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON THE SITE.
- IRRIGATION COMPONENTS SHALL BE DESIGNATED FOR RECLAIMED WATER APPLICATION AS REQUIRED PER LOCAL CODE.
- PRODUCTS SHALL BE AS SPECIFIED.

IRRIGATION LEGEND

TORO MPR PLUS SPRAY NOZZLES 570Z-6P TURF AREAS 570Z-12P TURF AREAS

□ 15-Q 27° TRAJECTORY 15-T 27° TRAJECTORY 15-H 27° TRAJECTORY 15-TQ 27° TRAJECTORY 15-F 27° TRAJECTORY 12-Q 23° TRAJECTORY 12-T 23° TRAJECTORY 12-H 23° TRAJECTORY 12-TQ 23° TRAJECTORY 12-F 23° TRAJECTORY 10-Q 12° TRAJECTORY 10-T 12° TRAJECTORY

12° TRAJECTORY 12° TRAJECTORY 5° TRAJECTORY 8-H 5° TRAJECTORY

4-EST 4-SST

4-CST

TORO FB-25-PC BUBBLER, (ROTOR ZONES)

TORO FB-50-PC BUBBLER, (SPRAY ZONES) HUNTER PGP ULTRA ROTOR PGP-04-2.0 NOZZLE, 90° ADJUSTABLE

HUNTER PGP ULTRA ROTOR PGP-04-3.0 NOZZLE, 180° ADJUSTABLE

HUNTER PGP ULTRA ROTOR PGP-04-5.0 NOZZLE, 270° ADJUSTABLE HUNTER PGP ULTRA ROTOR PGP-04-6.0 NOZZLE, 360° ADJUSTABLE

HUNTER PGP ULTRA ROTOR PGP-04-2.0 LA NOZZLE, 90° ADJUSTABLE HUNTER PGP ULTRA ROTOR PGP-04-2.5 LA NOZZLE, 180° ADJUSTABLE

HUNTER PGP ULTRA ROTOR PGP-04-3.5 LA NOZZLE, 270° ADJUSTABLE HUNTER PGP ULTRA ROTOR PGP-04-4.5 LA NOZZLE, 360° ADJUSTABLE

HUNTER PGP ULTRA ROTOR PGP-12-2.0 LA NOZZLE, 90° ADJUSTABLE HUNTER PGP ULTRA ROTOR PGP-12-2.5 LA NOZZLE, 180° ADJUSTABLE

HUNTER PGP ULTRA ROTOR PGP-12-4.5 LA NOZZLE, 360° ADJUSTABLE HUNTER I-20 ROTOR I-20-04-SS-2.5 NOZZLE, 180° ADJUSTABLE

HUNTER I-40 ROTOR I-40-04-SS-40 NOZZLE, 90° ADJUSTABLE HUNTER I-40 ROTOR I-40-04-SS-43 NOZZLE, 180° ADJUSTABLE

HUNTER I-40 ROTOR I-40-04-SS-43 NOZZLE, 360° ADJUSTABLE RAIN BIRD ESP-LXME WALL MOUNT CONTROLLER. SEE

DETAIL FOR MODEL COMPONENTS. PROVIDE CONNECTION & MATERIALS NECESSARY FOR CONTROLLER INSTALLATION AND OPERATION.

HUNTER MINI-CLIK RAIN SENSOR

IRRITROL 100-S SERIES ELECTRIC CONTROL VALVE

BERMAD AR SERIES COMBINATION AIR AND VACUUM RELEASE VALVE

RAIN BIRD MODEL 44-NP 1" QUICK COUPLING VALVE

HARCO RESTRAINT GATE VALVE. INSTALLED PER LINE SIZE AND IN 12" VALVE BOX

- CLASS 200 PVC GASKETTED MAINLINE W/DUCTILE IRON FITTINGS, PANTONE PURPLE 522C

SCHEDULE 40 PVC SLEEVE (SEE PLAN FOR SLEEVE SIZE)

8M) 8" MAINLINE SLEEVE

(6M) 6" MAINLINE SLEEVE

(6L) 6" LATERAL SLEEVE

(4L) 4" LATERAL SLEEVE

②L) 2" LATERAL SLEEVE (4W) 4" CONTROL WIRE SLEEVE

Stantec 6900 Professional Pkwy East, Suite 100 Sarasota, Florida 34240, U.S.A.

Tel. 941.907.6900 Fax. 941.907.6910 www.stantec.com

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Consultants

Colborn Design Group, Inc. 803 87th St. Ct. NW, Bradenton, FL 34209 Phone: (941) 795-7458

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Manatee County Board of County Comissioners

Blackstone Park Expansion

City of Palmetto, Florida

LANDSCAPE

IRRIGATION NOTES

Project No. Scale 15 30 45 215611237 Drawing No.

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