

PLANT LIST

SYM	BOTANICAL/COMMON NAME	SPECIFICATIONS	QTY
CB	Conocarpus e. sericeus Silver Buttonwood	10' ht. x 5' spr. 2" cal.	26
IA	Ilex attenuata East Palatka Holly	10' ht. x 5' spr. 2" cal.	7
QV	Quercus virginiana Live Oak	10' ht. x 5' spr. 2" cal.	10
CHR	Chrysobalanus icaco Cocoplum Hedge	24" ht. x 18" spr. 24" o.c.	157
SOD	Stenotaphrum secundatum St. Augustine Floratam	Full, fresh sod	21230 S.F.
SWALE SOD	Stenotaphrum secundatum St. Augustine Floratam	Full, fresh sod	16,500 S.F.

• QUANTITIES MUST BE VERIFIED BY CONTRACTOR

EXISTING TREE LIST

SEC. 155.16(9) LANDSCAPE REQUIREMENTS
By Zoning Districts

20% of site must be pervious
141,061 sq. ft. x 20% = 28,213 sq. ft. required
In excess of 50,000 sq. ft. provided
28 trees required
50 shrubs required

10 x 5 =
In excess of 50 shrubs provided

SEC. 155.131 REQUIRED LANDSCAPING ADJACENT TO ROW
1 Tree / 30' or 20' of palms

NE 50th Ct.
130' - 24' = 106' / 30' = 4 trees required
2 trees provided
hedge required
hedge provided

NE 17th Drive
130' / 30' = 5 trees required
2 trees provided
3 trees exist
hedge required
hedge provided

INTERIOR TREES REQUIRED
1 Tree / Island = 10 trees required
3 trees provided
1 trees exist

STREET TREES 1 / 40'

NE 17th Drive
470' / 40' = 12 trees required
12 trees provided

NE 50th Court
540' / 40' = 14 trees required
5 trees provided
9 trees exist

NE 51st St.
750' / 40' = 19 trees required
14 trees provided
5 trees exist

TOTAL TREES REQUIRED = 14 total trees required
32 total trees provided or exist

20% of required trees must be native = 15 native trees required
13 native trees provided or exist

50% of trees must relate to bldg. ht. = 37 trees must be 16' ht.
38 trees provided

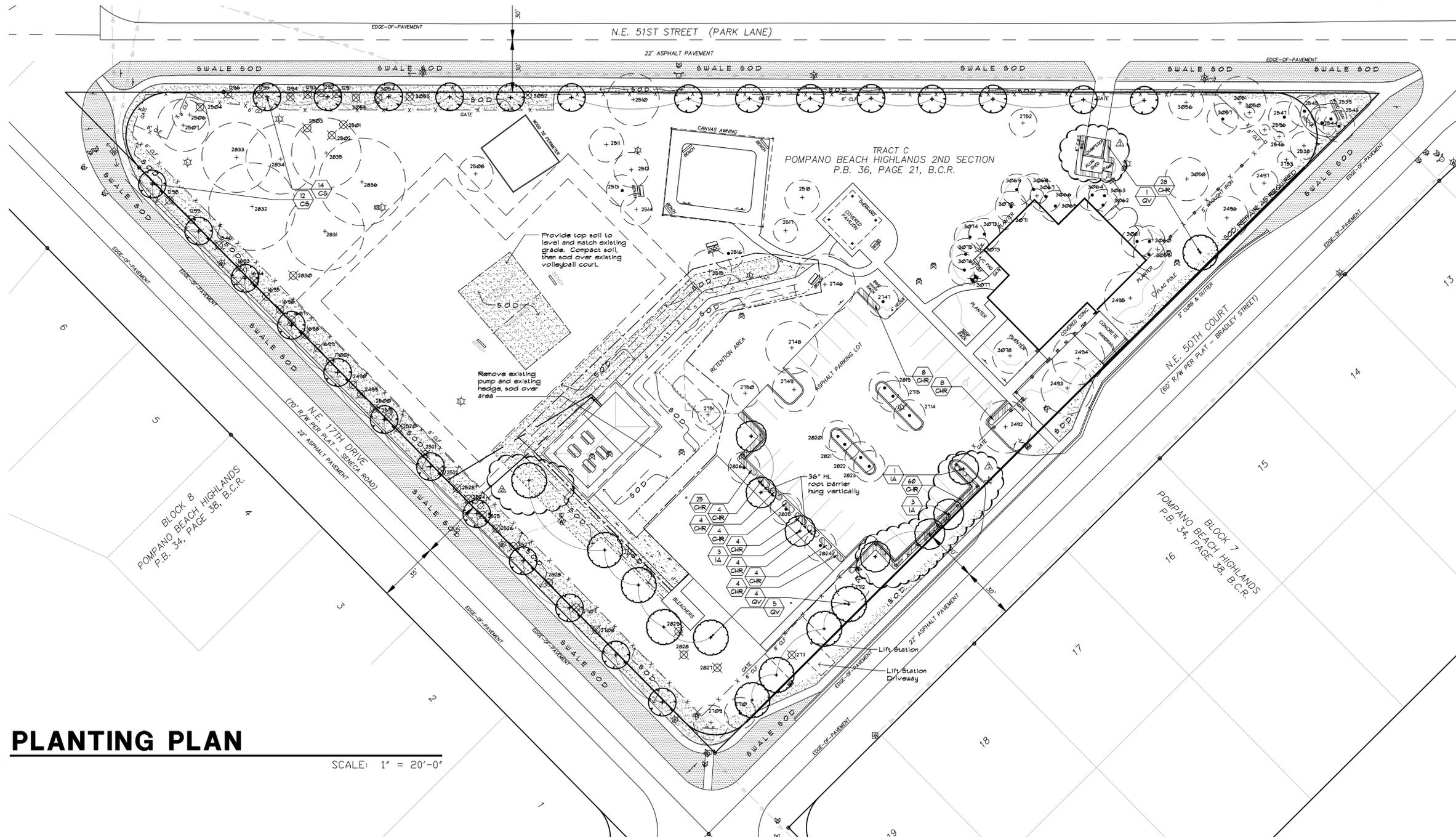
75% of trees must be shade trees = 56 shade trees required
71 shade trees provided

LEGEND

- ⊗ EXISTING TREES TO BE REMOVED
- ⊕ EXISTING TREES TO REMAIN
- ⊙ EXISTING PALMS TO REMAIN
- ⊛ EXISTING TREES TO BE RELOCATED
- ⊙ PROPOSED PALMS
- ⊕ PROPOSED TREES

NOTE:
All mechanical equipment is to be screened from view using an approved hedge, fence or wall and maintained at 6" above equipment.

NOTE:
Exact location of trees to be field adjusted with Landscape Architect and City of Pompano Beach.



PLANTING PLAN

SCALE: 1" = 20'-0"

dave bocker
landscape architecture/planning inc.
601 n. congress ave., suite 105-a
delray beach, florida 33445
954-276-0311
#LA0000199
job # 711

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CITY OF POMPAÑO BEACH
HIGHLANDS PARK
NEW RESTROOM BUILDING
1650 NE 50TH CT, POMPAÑO BEACH, FL 33064

DRAWN BY: JAE
CHECKED BY: DJB
DATE: 09-28-11
REVISIONS:
△ 4-6-11 drc comments
△ 9-28-11 p&z comments
△ 3-6-12 reloc #3077
△ 4-9-12 p&z comments
△ 3-22-13 city & Broward COUNTY COMMENTS

1103
SHEET
L-1
PLANTING PLAN

LEGEND

- ⊗ EXISTING TREES TO BE REMOVED
- ⊕ EXISTING TREES TO REMAIN
- ⊙ EXISTING PALMS TO REMAIN
- ⊛ EXISTING TREES TO BE RELOCATED

EXISTING TREE LIST

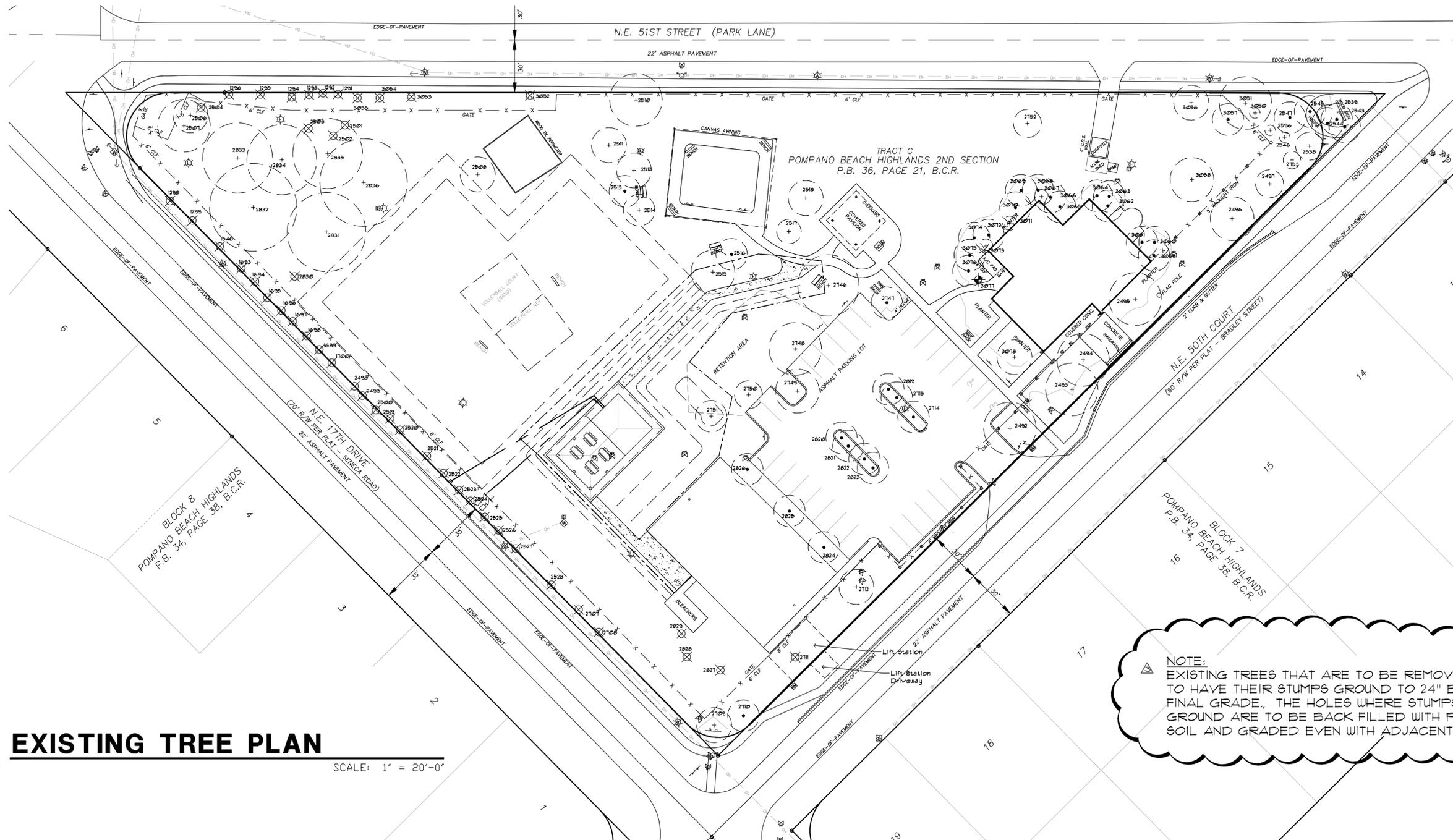
CODE	NAME	BOTANICAL	HEIGHT	WIDTH	DBH	CONDITION	APPRAISAL	OBSERVATIONS	STATUS
1291	Australian Pine	Casuarina equisetifolia	50	35	20		\$0.00		remove
1292	Australian Pine	Casuarina equisetifolia	45	12	15		\$0.00		remove
1293	Australian Pine	Casuarina equisetifolia	45	12	15		\$0.00		remove
1294	Australian Pine	Casuarina equisetifolia	45	12	15		\$0.00		remove
1295	Australian Pine	Casuarina equisetifolia	50	35	30		\$0.00		remove
1296	Australian Pine	Casuarina equisetifolia	50	20	45		\$0.00		remove
1298	Australian Pine	Casuarina equisetifolia	45	40	24		\$0.00		remove
1299	Australian Pine	Casuarina equisetifolia	45	40	24		\$0.00		remove
1340	Australian Pine	Casuarina equisetifolia	35	30	15		\$0.00		remove
1693	Australian Pine	Casuarina equisetifolia	20	30	16		\$0.00	racked under powerlines	remove
1694	Australian Pine	Casuarina equisetifolia	20	30	16		\$0.00	racked under powerlines	remove
1695	Australian Pine	Casuarina equisetifolia	20	30	16		\$0.00	racked under powerlines	remove
1696	Australian Pine	Casuarina equisetifolia	20	30	12		\$0.00	racked under powerlines	remove
1697	Australian Pine	Casuarina equisetifolia	20	30	14		\$0.00	racked under powerlines	remove
1698	Australian Pine	Casuarina equisetifolia	20	30	10		\$0.00	racked under powerlines	remove
1699	Australian Pine	Casuarina equisetifolia	20	30	24		\$0.00	racked under powerlines	remove
1700	Australian Pine	Casuarina equisetifolia	20	30	16		\$0.00	racked under powerlines	remove
2492	Mahogany Tree	Sweetgum mahogany	25	30	14	45	\$1,420.00		remove
2493	Gumbo Limbo	Bursera americana	25	30	16	55	\$2,510.00		remove
2494	Gumbo Limbo	Bursera americana	25	30	12	55	\$2,260.00		remove
2495	Royal Poinciana	Ohiaea regia	30	30	14	50	\$700.00		remove
2496	Live Oak	Quercus virginiana	20	25	9	55	\$750.00		remove
2497	Mahogany Tree	Sweetgum mahogany	14	16	5	55	\$950.00		remove
2498	Australian Pine	Casuarina equisetifolia	20	30	26		\$0.00	racked under powerlines	remove
2499	Australian Pine	Casuarina equisetifolia	20	30	15		\$0.00	racked under powerlines	remove
2500	Australian Pine	Casuarina equisetifolia	20	30	15		\$0.00	racked under powerlines	remove
2501	Australian Pine	Casuarina equisetifolia	50	16	16		\$0.00	top down out	remove
2502	Australian Pine	Casuarina equisetifolia	50	20	24		\$0.00		remove
2503	Australian Pine	Casuarina equisetifolia	50	30	24		\$0.00		remove
2504	Australian Pine	Casuarina equisetifolia	50	20	36		\$0.00		remove
2506	Sabal Palm	Roystonea sp.	25	20	16	45	\$1,370.00	multi trunk crowded	remove
2507	Sabal Palm	Roystonea sp.	20	20	30	50	\$1,450.00	multi trunked trunk	remove
2508	Yellow Tabebuia	Fabiana carabii	20	20	17	40	\$1,220.00		remove
2510	Mahogany Tree	Sweetgum mahogany	30	30	18	55	\$1,500.00		remove
2511	Mahogany Tree	Sweetgum mahogany	30	20	14	35	\$1,380.00		remove
2512	Live Oak	Quercus virginiana	20	13	45	\$1,450.00		remove	
2513	Queen Palm	Syagrus romanzoffiana	20	8	70	\$280.00		remove	
2514	Live Oak	Quercus virginiana	20	18	10	30	\$430.00		remove

2515	Live Oak	Quercus virginiana	25	25	12	45	\$1,390.00		remove
2516	Queen Palm	Syagrus romanzoffiana	18	8	75	\$260.00		remove	
2517	Live Oak	Quercus virginiana	14	14	5	50	\$750.00		remove
2518	Live Oak	Quercus virginiana	20	20	10	45	\$650.00		remove
2519	Royal Poinciana	Ohiaea regia	25	30	15	40	\$890.00	door location	remove
2520	Australian Pine	Casuarina equisetifolia	20	30	18		\$0.00	racked under powerlines	remove
2521	Australian Pine	Casuarina equisetifolia	20	30	20		\$0.00	racked under powerlines	remove
2522	Australian Pine	Casuarina equisetifolia	20	30	18		\$0.00	racked under powerlines	remove
2523	Australian Pine	Casuarina equisetifolia	20	30	30		\$0.00	racked under powerlines	remove
2524	Australian Pine	Casuarina equisetifolia	20	30	15		\$0.00	racked under powerlines	remove
2525	Australian Pine	Casuarina equisetifolia	20	30	30		\$0.00	racked under powerlines	remove
2526	Australian Pine	Casuarina equisetifolia	20	30	16		\$0.00	racked under powerlines	remove
2527	Australian Pine	Casuarina equisetifolia	20	30	18		\$0.00	racked under powerlines	remove
2528	Australian Pine	Casuarina equisetifolia	20	30	20		\$0.00	racked under powerlines	remove
2538	Green Buttonwood	Cochlospermum aemulium	14	16	5	45	\$420.00		remove
2539	Florida Thatch Palm	Thrinax radiata	6	16	4	80	\$250.00		remove
2543	Queen Palm	Syagrus romanzoffiana	20	7	15	\$100.00	door	remove	
2544	Queen Palm	Syagrus romanzoffiana	14	6	20	\$60.00	door	remove	
2545	Coccoloba Palm	Coccoloba aculeata	35	7	75	\$1,350.00		remove	
2546	Mani	Sideroxylon frutescens	10	6	2	50	\$420.00		remove
2547	Live Oak	Quercus virginiana	6	6	90	\$4,200.00	tree	remove	
2596	Salt Leaf	Chrysanthemum sepioides	10	6	2	50	\$175.00		remove
2707	Australian Pine	Casuarina equisetifolia	20	30	30		\$0.00	racked under powerlines	remove
2708	Australian Pine	Casuarina equisetifolia	20	30	22		\$0.00	racked under powerlines	remove
2709	Mahogany Tree	Sweetgum mahogany	20	20	10	80	\$1,180.00		remove
2710	Sabal Palm	Sabal palmetto	15	15	15	85	\$1,150.00		remove
2711	Australian Pine	Casuarina equisetifolia	50	30	24		\$0.00		remove
2712	Live Oak	Quercus virginiana	20	20	8	55	\$880.00		remove
2714	Sabal Palm	Sabal palmetto	25	14	80	\$1,150.00		remove	
2715	Sabal Palm	Sabal palmetto	25	12	80	\$1,150.00		remove	
2746	Pongamia	Pongamia pinnata	25	35	42	30	\$1,470.00		remove
2747	Sabal Palm	Sabal palmetto	12	12	10	80	\$150.00		remove
2748	Gumbo Limbo	Bursera americana	20	30	16	35	\$1,470.00		remove
2749	Live Oak	Quercus virginiana	20	25	10	60	\$1,350.00		remove
2750	Gumbo Limbo	Bursera americana	15	15	10	60	\$1,260.00		remove
2751	Gumbo Limbo	Bursera americana	18	18	14	60	\$1,150.00		remove
2752	Mahogany Tree	Sweetgum mahogany	20	15	10	45	\$770.00		remove
2753	Mahogany Tree	Sweetgum mahogany	12	10	4	50	\$250.00		remove

2819	Sabal Palm	Sabal palmetto	20	12	80	\$1,150.00		remove	
2820	Sabal Palm	Sabal palmetto	16	11	80	\$1,150.00		remove	
2821	Sabal Palm	Sabal palmetto	25	12	80	\$1,150.00		remove	
2822	Sabal Palm	Sabal palmetto	20	12	80	\$1,150.00		remove	
2823	Sabal Palm	Sabal palmetto	20	12	80	\$1,150.00		remove	
2824	Queen Palm	Syagrus romanzoffiana	20	11	60	\$1,150.00		remove	
2825	Queen Palm	Syagrus romanzoffiana	16	7	70	\$1,150.00		remove	
2826	Queen Palm	Syagrus romanzoffiana	20	6	30	\$1,100.00		remove	
2827	Melicope	Melicope	30	12	14	\$0.00		remove	
2828	Melicope	Melicope	30	12	14	\$0.00		remove	
2829	Melicope	Melicope	30	12	16	\$0.00		remove	
2830	Wreath of Iron	Albizia julibrissin	25	25	18	\$0.00		remove	
2831	Cuban Laurel	Ficus microcarpa	45	45	14	50	\$7,000.00		remove
2832	Cuban Laurel	Ficus microcarpa	45	50	48	45	\$7,000.00		remove
2833	Cuban Laurel	Ficus microcarpa	35	40	28	50	\$3,430.00		remove
2834	Cuban Laurel	Ficus microcarpa	40	40	36	50	\$4,430.00		remove
2835	Cuban Laurel	Ficus microcarpa	40	40	24	45	\$3,170.00		remove
2836	Cuban Laurel	Ficus microcarpa	40	40	42	50	\$5,200.00		remove
3050	Mahogany Tree	Sweetgum mahogany	10	5	3	75	\$1,150.00		remove
3051	Mahogany Tree	Sweetgum mahogany	30	30	15	65	\$2,270.00		remove
3052	Australian Pine	Casuarina equisetifolia	50	40	60		\$0.00		remove
3053	Australian Pine	Casuarina equisetifolia	50	35	36		\$0.00		remove
3054	Australian Pine	Casuarina equisetifolia	50	30	30		\$0.00		remove
3055	Australian Pine	Casuarina equisetifolia	45	30	20		\$0.00		remove
3056	Mahogany Tree	Sweetgum mahogany	20	12	45	\$1,140.00		remove	
3057	Sabal Palm	Sabal palmetto	14	11	85	\$1,150.00		remove	
3058	Gumbo Limbo	Bursera americana	20	25	16	65	\$2,900.00		remove
3059	Sabal Palm	Sabal palmetto	12	12	70	\$1,150.00		remove	
3060	Sabal Palm	Sabal palmetto	16	16	70	\$1,150.00		remove	
3061	Sabal Palm	Sabal palmetto	16	13	70	\$1,150.00		remove	
3062	Sabal Palm	Sabal palmetto	18	13	70	\$1,150.00		remove	
3063	Sabal Palm	Sabal palmetto	14	11	70	\$1,150.00		remove	
3064	Sabal Palm	Sabal palmetto	18	11	70	\$1,150.00		remove	
3065	Sabal Palm	Sabal palmetto	14	9	70	\$1,150.00		remove	
3066	Sabal Palm	Sabal palmetto	16	12	70	\$1,150.00		remove	
3067	Live Oak	Quercus virginiana	8	15	70	\$1,175.00		remove	
3068	Sabal Palm	Sabal palmetto	20	10	60	\$1,150.00		remove	
3069	Sabal Palm	Sabal palmetto	20	12	60	\$1,150.00		remove	
3070	Sabal Palm	Sabal palmetto	20	11	70	\$1,150.00		remove	
3071	White Star Fraxinus	Fraxinus viridis	8	21	45	\$1,150.00		remove	
3072	Sabal Palm	Sabal palmetto	18	13	70	\$1,150.00		remove	
3073	White Star Fraxinus	Fraxinus viridis	12	12	10	80	\$1,150.00		remove
3074	Sabal Palm	Sabal palmetto	11	11	70	\$1,150.00		remove	
3075	Sabal Palm	Sabal palmetto	14	11	70	\$1,150.00		remove	
3076	Sabal Palm	Sabal palmetto	14	11	70	\$1,150.00		remove	
3077	Sabal Palm	Sabal palmetto	16	12	70	\$1,150.00		remove	
3078	Gumbo Limbo	Bursera americana	20	20	11	80	\$1,600.00		remove

I certify that all the statements of fact in this appraisal are true, complete, and correct to the best of my knowledge and belief, and that they are made in good faith.
 Jeremy T. Connelly, FL-0782A

NOTE:
 ▲ RELOCATE SABAL PALM # 3071 UNDER SEPARATE CONTRACT.



NOTE:
 ▲ EXISTING TREES THAT ARE TO BE REMOVED ARE TO HAVE THEIR STUMPS GROUND TO 24" BELOW FINAL GRADE, THE HOLES WHERE STUMPS WERE GROUND ARE TO BE BACK FILLED WITH PLANTING SOIL AND GRADED EVEN WITH ADJACENT AREAS.

EXISTING TREE PLAN

SCALE: 1" = 20'-0"

dave bodker
 landscape architecture/planning inc.
 601 n. congress ave. suite 105-a
 delray beach, florida 33445
 954-276-6311
 #LACOOC-999
 job # 711

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 ROBERT S. WALTERS, AIA - FL AR 8880
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CITY OF POMPANO BEACH
HIGHLANDS PARK
NEW RESTROOM BUILDING
 1650 NE 50TH CT, POMPANO BEACH, FL 33064

DRAWN BY: JAE
 CHECKED BY: DJB
 DATE: 09-28-11
 REVISIONS:
 ▲ 4-6-11 drc comments
 ▲ 3-6-12 reloc #3077
 ▲ 5-30-12 per comments

1103
 SHEET
L-2
 EXISTING TREE PLAN

Applicable Documents:

- 1. These Specifications and the requirements hereinafter will govern this project during the installation, guarantee and maintenance period.
- 2. The work specified by this section of the Specifications and on the Plans consists of furnishing all labor, machinery, tools, apparatus, means of transportation, supplies, equipment, materials, services and incidentals necessary to complete the work as indicated on the Plans and in the Specifications, as well as all other related responsibilities, including all change and repairs incident thereto.

- 3. The work shall include, but not be limited to, furnishing material, not pruning when required, though protection to the public, excavation, installation, backfilling, grading, fertilizing, mulching, staking and guying when required, setting of markers, tree removal, installation, seeding, cleanup, maintenance and guarantee.

- 4. The Landscape Contractor will coordinate his work with all other trades at the job site.
- 5. Movement of nursery stock shall comply with all Federal, State, and local laws, regulations, ordinances, codes, etc.
- 6. Protection during delivery to prevent damage to root ball or desiccation of leaves. Remove unacceptable plant material immediately from the job site. Harvest and protect utility stored at the site.

- 7. Transport materials on vehicles large enough to allow plants not to be crowded and damaged. Plants shall be covered to prevent wind damage during travel.
- 8. The Contractor shall not remove rejected trees or shrubs within seven (7) days from the project site.

- 9. The Contractor's Superintendent shall speak English and be well versed in Florida plant material, planting operations, Plant and Specification interpretation, coordination with other contracts or services in the project area and coordination between the nursery and the project.
- 10. All employees shall be competent and highly skilled in their particular job in order to properly perform the work assigned to them. The Contractor shall be responsible for maintaining the quality of the material on the project.

Planting Soil:

- 1. All plant material, unless indicated otherwise, shall be installed with a planting soil composed of sandy loam (50% sand and 50% silt) through planting operation. The soil must be taken from ground that has never been stripped, with a slight acid reaction (pH to 6.5 pH) and without an excess of organic matter. Soil shall be delivered in a loose friable condition.

- 2. Potable, from municipal water supplies or other sources which are approved by a public health department.

- 3. Much shall be:

- 1) Florimulch. It shall be uniformly shredded and free from foreign matter and large pieces of bark.

- 2) Fertilizer:

- 1. New and existing Trees and Palms: Fertilize with 8-2-12 palm fertilizer with micronutrients per manufacturer's recommendations.
- 2. New and existing shrubs and groundcover: Fertilize with 8-2-12 palm fertilizer with micronutrients at a rate of 1/2 lb. per 1000 sq. ft. of area.

- 3. Annuals/ Fertilize with Omocote - 5tera blend 14-14-14 or approved equal.
- 4. Sod: Fertilize with organic fertilizer 5-4-5 at the rate of 1/2 lbs. per 1000 sq. ft. of area.

- 5. Composition and Quality: All fertilizer shall be uniform in composition and quality. All fertilizer shall be in form of granules and delivered in unopened bags. All bags, containers or boxes shall be fully labeled with the manufacturer's analysis.

- 6. All fertilizer shall comply with the State of Florida fertilizer law.

- 7. Protection of existing or relocated path during construction.

- 8. A 9" radius area from the edge of the trunk is to be protected and fenced.
- 9. See tree protection detail for fencing. This area is to be protected from grading, excavation, compaction of soils, storage of materials, parking, dumping of chemicals, or any other activities or materials that could have damaging effects to the health or appearance of the palm or tree.

- 10. The irrigation system may be above ground and temporary, but must be equipped with a controller to be fully automatic. The water source is to be determined by the City of Pompano Beach. The irrigation system is to be automatically operated for the duration of construction.

- 11. Cleanup:

- 1. Disposal of Trash: All debris and other objectionable material created through planting operation and landscape construction shall be removed completely on a daily basis from the job or as directed by the Landscape Architect. Any debris and areas including curbs and sidewalks which have been stream with soil, sod waste, fertilizer or other debris shall be thoroughly swept.

- 2. Excess Fill: All excess fill which results from the installation of the project shall remain the property of the Owner and remain on the project at the option of the Owner. All excess fill which the Owner does not want shall be removed and disposed of from the project at no additional cost. The water source is to be determined by the City of Pompano Beach. The irrigation system is to be automatically operated for the duration of construction.

- 3. Completion of the work shall mean the full and exact compliance and conformity with the provisions expressed or implied in the Plans and Specifications including any and all "touch lists" which may be issued outlining certain items of work which were found unsatisfactory or require completion or corrective action.

- 4. Final acceptance shall not be given until all construction provided for and contemplated by the contract is inspected and found to be completed in accordance with contract Plans and Specifications.

- 5. Final acceptance shall not be official until acknowledged in writing by the Owner or their representative.

- 6. The guarantee shall not begin until the day final acceptance is given.

B. Sod

- 1) Deliver sod on pallets with root system protected from exposure, surface, and soil. Deliver sod quantities equivalent of being installed within 48 hours of cutting.
- 2) Written request for approval to substitute a plant species or a plant designation (BIB, UBIB, CG, etc.) type, grade, quality, size, quantity, etc. due to the non-availability of the material specified. Approval must be given by the Landscape Architect before the material is delivered and installed on the project. The Contractor must provide written proof that the specified plant material is unavailable.

- 3) Any request for the approval of an equal shall be in writing. Approval will be required, though protection to the public, excavation, installation, backfilling, grading, fertilizing, mulching, staking and guying when required, setting of markers, tree removal, installation, seeding, cleanup, maintenance and guarantee.

- 4) Submit in writing any concerns regarding the Owner's routine maintenance or lack of that may affect installed plant materials growth or survival, that would affect the guarantee of plant material.

- 5) Submit in writing any hindrance to the timely completion of the installation.
- 6) Submit any certificate of inspection of plant material as may be required by State, local or Federal Authorities.

- 7) Movement of nursery stock shall comply with all Federal, State, and local laws, regulations, ordinances, codes, etc.
- 8. Protection during delivery to prevent damage to root ball or desiccation of leaves. Remove unacceptable plant material immediately from the job site. Harvest and protect utility stored at the site.

- 9. Transport materials on vehicles large enough to allow plants not to be crowded and damaged. Plants shall be covered to prevent wind damage during travel.

- 10. The Contractor's Superintendent shall speak English and be well versed in Florida plant material, planting operations, Plant and Specification interpretation, coordination with other contracts or services in the project area and coordination between the nursery and the project.

- 11. All employees shall be competent and highly skilled in their particular job in order to properly perform the work assigned to them. The Contractor shall be responsible for maintaining the quality of the material on the project.

- 12. The Contractor's Superintendent shall speak English and be well versed in Florida plant material, planting operations, Plant and Specification interpretation, coordination with other contracts or services in the project area and coordination between the nursery and the project.

- 13. All employees shall be competent and highly skilled in their particular job in order to properly perform the work assigned to them. The Contractor shall be responsible for maintaining the quality of the material on the project.

Staking and Guying:

- 1. Staking and guying shall be the responsibility of the Landscape Contractor. Staking and guying shall not be done directly to the plant material. The Contractor shall use battens used in staking and guying shall not be attached to the plant material with nails. Any method of staking and guying other than those indicated in the details shall require approval from the Landscape Architect prior to their installation.

- 2. The Contractor is responsible for performing all staking and guying in accordance with all applicable regulations, ordinances and code requirements from the appropriate local jurisdiction the project is located in.

- 3. Much shall be:

- 1) Florimulch. It shall be uniformly shredded and free from foreign matter and large pieces of bark.

- 2) Fertilizer:

- 1. New and existing Trees and Palms: Fertilize with 8-2-12 palm fertilizer with micronutrients per manufacturer's recommendations.
- 2. New and existing shrubs and groundcover: Fertilize with 8-2-12 palm fertilizer with micronutrients at a rate of 1/2 lb. per 1000 sq. ft. of area.

- 3. Annuals/ Fertilize with Omocote - 5tera blend 14-14-14 or approved equal.
- 4. Sod: Fertilize with organic fertilizer 5-4-5 at the rate of 1/2 lbs. per 1000 sq. ft. of area.

- 5. Composition and Quality: All fertilizer shall be uniform in composition and quality. All fertilizer shall be in form of granules and delivered in unopened bags. All bags, containers or boxes shall be fully labeled with the manufacturer's analysis.

- 6. All fertilizer shall comply with the State of Florida fertilizer law.

- 7. Protection of existing or relocated path during construction.

- 8. A 9" radius area from the edge of the trunk is to be protected and fenced.
- 9. See tree protection detail for fencing. This area is to be protected from grading, excavation, compaction of soils, storage of materials, parking, dumping of chemicals, or any other activities or materials that could have damaging effects to the health or appearance of the palm or tree.

- 10. The irrigation system may be above ground and temporary, but must be equipped with a controller to be fully automatic. The water source is to be determined by the City of Pompano Beach. The irrigation system is to be automatically operated for the duration of construction.

- 11. Cleanup:

- 1. Disposal of Trash: All debris and other objectionable material created through planting operation and landscape construction shall be removed completely on a daily basis from the job or as directed by the Landscape Architect. Any debris and areas including curbs and sidewalks which have been stream with soil, sod waste, fertilizer or other debris shall be thoroughly swept.

- 2. Excess Fill: All excess fill which results from the installation of the project shall remain the property of the Owner and remain on the project at the option of the Owner. All excess fill which the Owner does not want shall be removed and disposed of from the project at no additional cost. The water source is to be determined by the City of Pompano Beach. The irrigation system is to be automatically operated for the duration of construction.

- 3. Completion of the work shall mean the full and exact compliance and conformity with the provisions expressed or implied in the Plans and Specifications including any and all "touch lists" which may be issued outlining certain items of work which were found unsatisfactory or require completion or corrective action.

- 4. Final acceptance shall not be given until all construction provided for and contemplated by the contract is inspected and found to be completed in accordance with contract Plans and Specifications.

- 5. Final acceptance shall not be official until acknowledged in writing by the Owner or their representative.

- 6. The guarantee shall not begin until the day final acceptance is given.

Substitutions:

- 1. Written request for approval to substitute a plant species or a plant designation (BIB, UBIB, CG, etc.) type, grade, quality, size, quantity, etc. due to the non-availability of the material specified. Approval must be given by the Landscape Architect before the material is delivered and installed on the project. The Contractor must provide written proof that the specified plant material is unavailable.
- 2. Any request for the approval of an equal shall be in writing. Approval will be required, though protection to the public, excavation, installation, backfilling, grading, fertilizing, mulching, staking and guying when required, setting of markers, tree removal, installation, seeding, cleanup, maintenance and guarantee.

- 3. Submit in writing any concerns regarding the Owner's routine maintenance or lack of that may affect installed plant materials growth or survival, that would affect the guarantee of plant material.

- 4. Submit in writing any hindrance to the timely completion of the installation.
- 5. Submit any certificate of inspection of plant material as may be required by State, local or Federal Authorities.

- 6. Movement of nursery stock shall comply with all Federal, State, and local laws, regulations, ordinances, codes, etc.
- 7. Protection during delivery to prevent damage to root ball or desiccation of leaves. Remove unacceptable plant material immediately from the job site. Harvest and protect utility stored at the site.

- 8. Transport materials on vehicles large enough to allow plants not to be crowded and damaged. Plants shall be covered to prevent wind damage during travel.

- 9. The Contractor's Superintendent shall speak English and be well versed in Florida plant material, planting operations, Plant and Specification interpretation, coordination with other contracts or services in the project area and coordination between the nursery and the project.

- 10. All employees shall be competent and highly skilled in their particular job in order to properly perform the work assigned to them. The Contractor shall be responsible for maintaining the quality of the material on the project.

- 11. The Contractor's Superintendent shall speak English and be well versed in Florida plant material, planting operations, Plant and Specification interpretation, coordination with other contracts or services in the project area and coordination between the nursery and the project.

- 12. All employees shall be competent and highly skilled in their particular job in order to properly perform the work assigned to them. The Contractor shall be responsible for maintaining the quality of the material on the project.

- 13. The Contractor's Superintendent shall speak English and be well versed in Florida plant material, planting operations, Plant and Specification interpretation, coordination with other contracts or services in the project area and coordination between the nursery and the project.

Excavation of Plant Holes:

- 1. Excavation of plant holes shall be roughly cylindrical in shape with the sides approximately vertical. The Landscape Architect reserves the right to adjust the size and shape of the plant hole and the location of the plant in the hole to compensate for unanticipated structures or unanticipated factors within the area.
- 2. The excavated material from the plant holes shall not be used to backfill around the plant material. Such material shall be disposed of either on the project site or elsewhere, as directed by the Landscape Architect.

- 3. Sod:

- 1) Deliver sod on pallets with root system protected from exposure, surface, and soil. Deliver sod quantities equivalent of being installed within 48 hours of cutting.
- 2) Written request for approval to substitute a plant species or a plant designation (BIB, UBIB, CG, etc.) type, grade, quality, size, quantity, etc. due to the non-availability of the material specified. Approval must be given by the Landscape Architect before the material is delivered and installed on the project. The Contractor must provide written proof that the specified plant material is unavailable.

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- 25. All employees shall be competent and highly skilled in their particular job in order to properly perform the work assigned to them. The Contractor shall be responsible for maintaining the quality of the material on the project.

Replacement:

- 1. The guaranteeing of plant material shall be construed to mean complete and immediate replacement of plant material within three (3) calendar days if it is:
- 2) Not in a healthy growing condition and thus renders it below the minimum quality indicated in the Specifications.
- 3) It is dead as determined by the Landscape Architect.

- 4. The three (3) calendar days may be extended due to seasonal conditions, availability, preparation time such as root pruning, etc., only if approved by the Landscape Architect in advance. The extended time shall be negotiated between all parties concerned, but must receive final approval by the Landscape Architect.

- 5. Size, Quality, and Grade:

- 1) Replacement plant material shall be of the same species, quality and grade as that of the plant to be replaced. The size of the replacement shall not necessarily be the same size as the original specified plant at its initial planting. The replacement shall be of equal size to the plant to be replaced at the time it has been determined that it must be replaced, however, if for some reason, the plant to be replaced is smaller than the size originally specified the replacement shall be at least equal to the originally specified size.

- 2) Replacements shall be guaranteed for a period equal to the originally specified guarantee. This guarantee shall apply to all plant material designated (BIB, UBIB, CG, etc.) type, grade, quality, size, quantity, etc.

- 3) Final payment to the Contractor shall not relieve he or she of the guarantee obligations.

- 4. Excavation of Plant Holes:

- 1. Excavation of plant holes shall be roughly cylindrical in shape with the sides approximately vertical. The Landscape Architect reserves the right to adjust the size and shape of the plant hole and the location of the plant in the hole to compensate for unanticipated structures or unanticipated factors within the area.
- 2. The excavated material from the plant holes shall not be used to backfill around the plant material. Such material shall be disposed of either on the project site or elsewhere, as directed by the Landscape Architect.

- 3. Sod:

- 1) Deliver sod on pallets with root system protected from exposure, surface, and soil. Deliver sod quantities equivalent of being installed within 48 hours of cutting.
- 2) Written request for approval to substitute a plant species or a plant designation (BIB, UBIB, CG, etc.) type, grade, quality, size, quantity, etc. due to the non-availability of the material specified. Approval must be given by the Landscape Architect before the material is delivered and installed on the project. The Contractor must provide written proof that the specified plant material is unavailable.

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- 29. All employees shall be competent and highly skilled in their particular job in order to properly perform the work assigned to them. The Contractor shall be responsible for maintaining the quality of the material on the project.

Plant and Specification Interpretation:

- 1. On the Plans, figured dimensions shall govern over scaled dimensions. If any error or discrepancy is found in the Plans and Specifications, the Contractor shall refer the same to the Landscape Architect for an interpretation and decision. In resolving conflicts between the Plans and Specifications, THE LANDSCAPE ARCHITECT GOVERN over the Specifications. The Landscape Architect shall have the right to correct apparent errors or omissions in the Plans and Specifications and to make such interpretations as he or she may deem necessary for the proper fulfillment of the intent of the Plans and Specifications.

- 2. The Contractor shall procure all necessary permits to accomplish all of the work.
- 3. The Contractor is responsible for performing all work in accordance with all applicable regulations, ordinances and code requirements from the appropriate city, county, state and/or Federal jurisdiction the project is located in.

- 4. Changes and Additional Work:

- 1. The Contractor shall not start on any changes or additional work in the project until a written agreement setting forth the adjusted contract amount has been executed by the Owner and the Contractor. Any work performed on any changes or additional work prior to the execution of a written agreement may or may not be compensated for.

- 2. Safety On and Off the Job Site:

- 1. In performing the scope of work, all safety on or off the job site shall be the sole responsibility of the Contractor. The Landscape Architect shall not be responsible for safety on or off the job site. The Landscape Architect on site observation or inspection shall be only for the purpose of verifying that the Plans and Specifications are

NOTES:

GENERAL:
 THIS PLAN IS A MODIFICATION AND EXPANSION OF AN EXISTING SYSTEM. THE EXISTING PUMP SYSTEM WILL BE REMOVED & THE WELL ABANDONED & SEALED. OBTAIN A WELL ABANDONMENT PERMIT FROM BROWARD COUNTY HEALTH DEPT. THE MAINLINES & WIRING SHALL BE REROUTED, REPLACED, REUSED AS NOTED, AND CAPPED PER PLANS TO ACCOMMODATE NEW RESTROOM FACILITY, ADDITIONAL WALKWAYS, LANDSCAPE ADDITIONS AND THE REMOVAL OF SAND VOLLEYBALL COURTS REPLACED WITH SOD. ADDITIONAL IRRIGATION WILL BE ADDED TO THE PERIMETER OF THE SITE INCLUDING SPRAY SPRINKLERS FOR NEW SOD AREAS AND FLOOD BUBBLERS FOR NEW TREES. THIS WILL BE DESIGNED AS A RECLAIMED WATER SYSTEM WITH APPROPRIATE PURPLE PIPE, SPRINKLERS AND VALVE BOXES. IT WILL BE TEMPORARILY SUPPLIED BY A 2" POTABLE WATER METER AS SHOWN ON THE PLANS. AN ALLOWANCE FOR NEW OR RELOCATED ROTOR SPRINKLERS IS SHOWN ON THE SPRINKLER HEAD LEGEND AS AN ESTIMATED BID ITEM ONLY. PROVIDE UNIT COSTS FOR THE ROTOR SPRINKLERS NOTED TO ASSURE 100% COMPLETE OVERLAPPING COVERAGE TO ALL AREAS IN THE SCOPE OF CONSTRUCTION. ALL EXISTING HEADS TO HAVE RECLAIMED COVERS OR BE REPLACED WITH RECLAIMED HEADS PER SPRINKLER LEGEND.

PIPING:
 ALL NEW MAINLINES TO BE CLASS 200 "PURPLE" PVC SOLVENT WELD PIPE. ALL LATERAL PIPE FOR THE POTABLE/RECLAIMED SYSTEM SHALL BE CLASS 200 "PURPLE" PVC SOLVENT WELD PIPE.
 ALL LATERAL LINES FOR THE PUMP SYSTEM TO BE CLASS 160 OR CLASS 200 PVC SOLVENT WELD PIPE, 3/4" AND 1" = CLASS 200, 1 1/4" AND LARGER = CLASS 160.
 ALL FITTINGS TO BE SCH. 40 PVC WITH SCH. 80 THREADED JOINTS. MAINLINES TO BE 24" MIN. DEPTH.
 ZONE LINES 3/4" THRU 1 1/4" SHALL BE 12" MIN. DEPTH, 1 1/2" AND LARGER SHALL BE 15" MIN. DEPTH.
 FABRICATE ALL PIPING USING SQUARE CUT, DEBURRED AND FULLY ENGAGED JOINTS. USE PURPLE CLEANER AND MEDIUM BODY GREY CEMENT FOR ALL JOINTS ONLY.

CONTROL WIRING:
 ALL HOT AND SPARE WIRES TO BE #14 AWG TYPE PE SINGLE CONDUCTOR IRRIGATION WIRE. COMMON TO BE #12 AWG. SAME TYPE AS HOT.
 RUN SPARES AS SHOWN ON PLANS.
 REROUTED WIRING FOR PUMP SYSTEM TO BE COLOR CODED TO MATCH EXISTING WIRING.
 COIL 18" OF WIRE AT ALL WIRE CONNECTIONS. USE FULL SIZE UL LISTED MOISTURE PROOF CONNECTORS FOR ALL SPLICES. SPLICE ONLY IN VALVE BOXES.

PLANS ARE GRAPHICALLY SHOWN ONLY. CODES AND LOCAL REGULATIONS SHALL TAKE PRESEDENCE OVER THE PLANS. THE CONTRACTOR MAY MAKE MINOR ADJUSTMENTS AS REQUIRED TO ASSURE COMPLETE OVERLAPPING COVERAGE OF ALL PLANTED AREAS.

PRESSURE TEST THE NEW POTABLE/RECLAIMED MAINLINE AT 100 PSI FOR 4 HOURS WITH A MAX. 5 PSI LOSS ALLOWED. TEST IN PRESENCE OF OWNER OR AUTHORIZED REPRESENTATIVE. REPAIR AND RETEST AS NECESSARY.

ALL UNDERGROUND UTILITIES SHALL BE LOCATED PRIOR TO COMMENCEMENT OF WORK AS REQUIRED BY FLORIDA LAW.

PROVIDE AN ACCURATE "AS INSTALLED" PLAN AT COMPLETION SHOWING THE EXACT LOCATION OF NEW MAINLINES, VALVES, TIE-INS, SLIPES, ETC. USING DIMENSIONS FROM FIXED DATUMS.

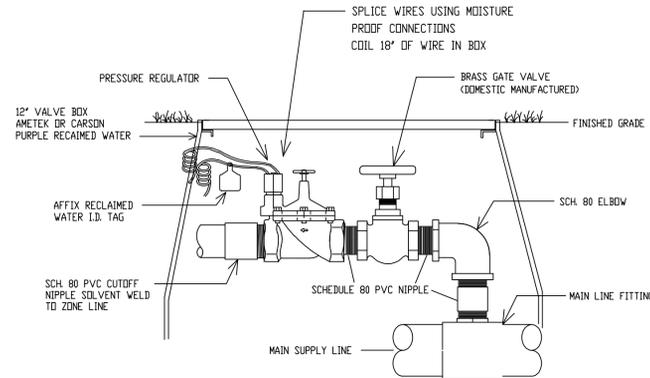
INSTALLATION SHALL CONFORM TO THE FLORIDA BUILDING CODE APPENDIX "F" WITH CURRENT BROWARD COUNTY MODIFICATIONS.

IRRIGATION CONTRACTOR TO BE RESPONSIBLE FOR SCHEDULING AND INSTALLING SLEEVES UNDER WALKS BOTH IN THE PARK AND UNDER NEW PERIMETER SIDEWALKS BEING ADDED BY BROWARD COUNTY AS REQUIRED BY CONSTRUCTION SCHEDULE.

EXISTING IRRIGATION

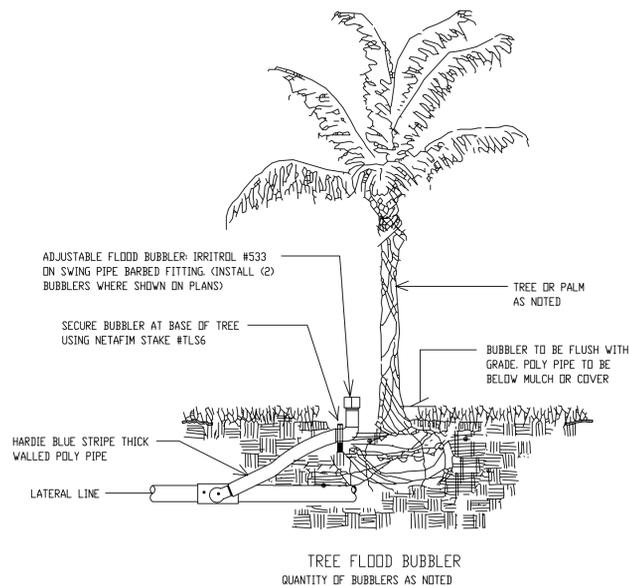
63	ROTORS TO HAVE PURPLE RECLAIMED COVERS ADDED
126	EXISTING POP UP SPRAYS TO HAVE PURPLE RECLAIMED COVERS ADDED
94	EXISTING SPRAYS ON RISERS TO BE REPLACED WITH NEW 6" RAINBIRD #1806 POP UP SPRAYS WITH PURLE RECALIMED COVERS
10	EXISTING VALVE BOXES TO BE REPLACED WITH NEW 12" PURPLE RECLAIMED WATER VALVE BOXES (AMETEK OR CARSON). AFFIX RECALIMED WATER I.D. TAG

NOTE: QUANTITIES OF EXISTING HEADS/VALVES PER ORIGINAL IRRIGATION PLANS BY BROWARD COUNTY PARKS & RECREATIONS



ZONE VALVE DETAIL

RAINBIRD PEB -150 ZONE VALVE W/ ISOLATION VALVE
 AFFIX RECLAIMED WATER TAG AND USE PURPLE VALVE COVER



TREE FLOOD BUBBLER
 QUANTITY OF BUBBLERS AS NOTED

SPRINKLER LEGEND

SYM.	TYPE	MODEL #	QUANT.
●	HUNTER 6' POP UP SPRAY	#PRDS W/ MP3000 - NOZZLE BELOW	1
●	" " " " "	-PRDS-06-PRS40-CV-R-MP3000-210	13
●	" " " " "	-PRDS-06-PRS40-CV-R-MP3000-90	1
●	" " " " "	-PRDS-06-PRS40-CV-R-MP3000-90	4
●	HUNTER 6' POP UP SPRAY	#PRDS W/ MP2000 - NOZZLE BELOW	52
●	" " " " "	-PRDS-06-PRS40-CV-R-MP2000-90	1
●	" " " " "	-PRDS-06-PRS40-CV-R-MP2000-90	7
●	HUNTER 6' POP UP SPRAY	#PRDS W/ MP1000 - NOZZLE BELOW	99
●	" " " " "	-PRDS-06-PRS40-CV-R-MP1000-90	1
●	" " " " "	-PRDS-06-PRS40-CV-R-MP1000-90	4
●	HUNTER 6' POP UP SPRAY	#PRDS-06-PRS40-CV-R-MPCORNER	8
●	HUNTER 6' POP UP SPRAY	#PRDS-06-PRS40-CV-R-MPSS530	2
●	HUNTER 6' POP UP SPRAY	#PRDS-06-PRS40-CV-R-MPLCS/RCS515	94
●	HUNTER 6' POP UP SPRAY	#PRDS-06-NOZZLE BELOW	
●	" " " " "	-PRDS-06-PRS30-CV-R-15'F	
●	" " " " "	-PRDS-06-PRS30-CV-R-15'TT	
●	" " " " "	-PRDS-06-PRS30-CV-R-15'H	
●	" " " " "	-PRDS-06-PRS30-CV-R-15'T	
●	" " " " "	-PRDS-06-PRS30-CV-R-15'Q	
●	" " " " "	-PRDS-06-PRS30-CV-R-12'H	
●	" " " " "	-PRDS-06-PRS30-CV-R-12'T	
●	" " " " "	-PRDS-06-PRS30-CV-R-12'Q	
●	" " " " "	-PRDS-06-PRS30-CV-R-10'H	
●	" " " " "	-PRDS-06-PRS30-CV-R-10'T	
●	" " " " "	-PRDS-06-PRS30-CV-R-10'Q	
●	" " " " "	-PRDS-06-PRS30-CV-R- 8'H	
●	" " " " "	-PRDS-06-PRS30-CV-R- 8'T	
●	" " " " "	-PRDS-06-PRS30-CV-R- 4'SST	
●	" " " " "	-PRDS-06-PRS30-CV-R- 4'EST	
●	TREE FLOOD BUBBLER	IRRITROL #533	53
●	RAINBIRD POP UP ROTOR	RAINBIRD #5006-PC-NP-3.0 OR FC-NP-6.0	10**

NOTES:

ROTORS IDENTIFIED WITH ** TO BE ALLOWANCES FOR ADJUSTMENTS TO EXISTING IRRIGATION.
 ESTIMATE 10 POP UP ROTORS DESIGNATED ** TO BE USED TO FIELD ADJUST IRRIGATION FOR SODDED VOLLEYBALL COURT AND OTHER FIELD ADJUSTMENTS TO ACCOMMODATE CONSTRUCTION SITE UPGRADES.
 PROVIDE UNIT COSTS FOR ROTORS FOR FIELD ADJUSTMENTS TO ASSURE 100% COMPLETE OVERLAPPING COVERAGE.
 INSTALL PROPER SCREENS IN ALL HEADS.
 NOTE ALL SPRAY HEADS TO HAVE NP PURPLE RECLAIMED WATER COVERS.

MATERIAL LEGEND

---	NEW 3" MAINLINE: 3" CLASS 200 "PURPLE" PVC W/ LOW VOLTAGE WIRE RUN UNDER MAIN TAPED EVERY 10'
---	EXISTING 3" MAINLINE: 3" PVC W/ LOW VOLTAGE WIRE
---	SLEEVES: SCH. 40 PVC PER PLAN ALL SLEEVES UNDER WALKS A MIN. 2 PIPE SIZES LARGER THAN CARRIER PIPE. WIRE SLEEVES = 2"
⦿	POINT OF CONNECTION: 2" WATER METER, 2" MASTER VALVE, AND 3" 3" FLOW THRU BACKFLOW (SEE PLAN SHEET) THIS CONNECTION TO BE CONVERTED TO A RECLAIMED METER IN THE FUTURE
⦿	INSTALL A 3" AMIAD #3"TL 130 MESH SCREEN W/ SERVICE FLANGES AS NOTED ON PLANS
◼	CONTROLLER FOR POTABLE/RECLAIMED SYSTEM: HUNTER I-CORE #IC-2400-PL W/ RAINSWITCH TO CODE (LOCATE INSIDE ELECTRIC ROOM AS NOTED ON PLANS)
⦿	EXISTING ZONE VALVES AS NOTED ON PLANS REPLACE ALL VALVE BOXES WITH 12" AMETEK OR CARSON PURPLE RECLAIMED BOXES
⦿	NEW ZONE VALVES: 1 1/2" RAINBIRD PEB-150 SERIES W/ PURPLE ID AND 12" PURPLE RECLAIMED WATER VALVE BOX PER DETAIL

IRRIGATION DETAILS

SCALE: N.T.S.

dave bocker
 landscape architecture/planning inc.

601 n. congress ave., suite 105-a
 delray beach, florida 33445
 561-276-6311

#LA0000999
 job # 711

Walters • Zackria Associates

ARCHITECTURE • ENGINEERING • PLANNING

ROBERT S. WALTERS, AIA - FL AR 8880
 ABBAS H. ZACKRIA, CSI - FL AR 9150
 A. MARK SCALA, P.E. - FL PE 34353

620 SE 1ST STREET FT. LAUDERDALE FL 33001
 (954) 522-4123 FAX: (954) 522-4128

CITY OF POMPANO BEACH
 HIGHLANDS PARK
 NEW RESTROOM BUILDING
 1650 NE 50TH CT, POMPANO BEACH, FL 33064

DRAWN BY: RJH
 CHECKED BY: RJH
 DATE: 09-28-11
 REVISIONS:
 11-16-11 B.D. COMMENTS
 4-9-12 CITY COMMENTS
 3-22-13 CITY & BROWARD COUNTY COMMENTS

1103

SHEET

1-2

IRRIGATION DETAILS