

VILLAGE OF ROYAL PALM BEACH, FLORIDA

PROJECT NAME: **Commons Parking Lot Expansion**
PROJECT NUMBER: **PR1602**

ADDENDUM NUMBER: TWO

DATE OF ISSUANCE: September 16, 2020

TO: Prospective Bidders

THIS ADDENDUM NO. Two INCLUDES THE FOLLOWING:

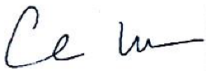
1. Revise the Bid Opening date on the Invitation to Bid as follows:

Sealed bids will be received by the Village of Royal Palm Beach, Florida at the Office of the Village Clerk, located at 1050 Royal Palm Beach Boulevard, Royal Palm Beach, Florida 33411, for subject project 3:00 p.m. local time Wednesday, September 30, 2020, then opened publicly at that time.

2. Add Exhibit A to include the Contract Provisions for United States Department of Interior funded Agreements and Davis-Bacon Wage Rates; as the Village has secured a Florida Recreation Development Assistance Program (FRDAP) grant.

3. Add Exhibit B to include existing Topographical Plans and Data.

4. Add Exhibit C to include Existing Lighting Cut Sheets.

APPROVED BY: 
Christopher A. Marsh, P.E., Village Engineer

ACKNOWLEDGMENT OF RECEIPT: _____
Bidder

SECTION 01410 TESTING LABORATORY SERVICES	PG	3
---	----	---

SECTION 01720 PROJECT RECORD DOCUMENTS	PG	3
--	----	---

ROADWAY TECHNICAL SPECIFICATIONS

SECTION 100 - CONSTRUCTION EQUIPMENT - GENERAL REQUIREMENTS	RT	1
---	----	---

SECTION 101 - MOBILIZATION	RT	3
----------------------------	----	---

SECTION 102 - MAINTENANCE OF TRAFFIC	RT	1
--------------------------------------	----	---

SECTION 104 - PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION	RT	2
---	----	---

SECTION 110 - CLEARING AND GRUBBING	RT	2
-------------------------------------	----	---

SECTION 120- EARTHWORK	RT	2
------------------------	----	---

EXHIBITS

Exhibit A – Federal Grant Provisions		9
--------------------------------------	--	---

Exhibit B – Existing Topographical Plans and Data		19
---	--	----

Exhibit C – Existing Lighting Cutsheets		4
---	--	---

ATTACHMENT D
Contract Provisions

All contracts awarded by a recipient, including small purchases, shall contain the following provisions as applicable:

1. **Equal Employment Opportunity** - All contracts shall contain a provision requiring compliance with Executive Order (E.O.) 11246, "Equal Employment Opportunity," as amended by E.O. 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and as supplemented by regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."
2. **Copeland "Anti-Kickback" Act (18 U.S.C. 874 and 40 U.S.C. 276c)** - All contracts and subgrants in excess of \$2000 for construction or repair awarded by recipients and subrecipients shall include a provision for compliance with the Copeland "Anti-Kickback" Act (18 U.S.C. 874), as supplemented by Department of Labor regulations (29 CFR part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or subrecipient shall be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he is otherwise entitled. The recipient shall report all suspected or reported violations to the Federal awarding agency.
3. **Davis-Bacon Act, as amended (40 U.S.C. 276a to a-7)** - When required by Federal program legislation, all construction contracts awarded by the recipients and subrecipients of more than \$2000 shall include a provision for compliance with the Davis-Bacon Act (40 U.S.C. 276a to a-7) and as supplemented by Department of Labor regulations (29 CFR part 5, "Labor Standards Provisions Applicable to Contracts Governing Federally Financed and Assisted Construction"). Under this Act, contractors shall be required to pay wages to laborers and mechanics at a rate not less than the minimum wages specified in a wage determination made by the Secretary of Labor. In addition, contractors shall be required to pay wages not less than once a week. The recipient shall place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation and the award of a contract shall be conditioned upon the acceptance of the wage determination. The recipient shall report all suspected or reported violations to the Federal awarding agency.
4. **Contract Work Hours and Safety Standards Act (40 U.S.C. 327-333)** - Where applicable, all contracts awarded by recipients in excess of \$2000 for construction contracts and in excess of \$2500 for other contracts that involve the employment of mechanics or laborers shall include a provision for compliance with Sections 102 and 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-333), as supplemented by Department of Labor regulations (29 CFR part 5). Under Section 102 of the Act, each contractor shall be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than 1 ½ times the basic rate of pay for all hours worked in excess of 40 hours in the work week. Section 107 of the Act is applicable to construction work and provides that no laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.
5. **Rights to Inventions Made Under a Contract or Agreement** - Contracts or agreements for the performance of experimental, developmental, or research work shall provide for the rights of the Federal Government and the recipient in any resulting invention in accordance with 37 CFR part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.
6. **Clean Air Act (42 U.S.C. 7401 et seq.) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et seq.)** - Contracts and subgrants of amounts in excess of \$100,000 shall

- contain a provision that requires the recipient to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401 et seq.) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251 et seq.). Violations shall be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).
7. **Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)** - Contractors who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient.
 8. **Debarment and Suspension (E.O.s 12549 and 12689)** - No contract shall be made to parties listed on the General Services Administration's List of Parties Excluded from Federal Procurement or Nonprocurement Programs in accordance with E.O.s 12549 and 12689, "Debarment and Suspension." This list contains the names of parties debarred, suspended, or otherwise excluded by agencies, and contractors declared ineligible under statutory or regulatory authority other than E.O. 12549. Contractors with awards that exceed the small purchase threshold shall provide the required certification regarding its exclusion status and that of its principal employees.
 9. **Section 508 of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1368) and Section 1424(e) of the Safe Drinking Water Act (42 U.S.C. 300h-3(e))** - Contracts and subgrants of amounts in excess of \$100,000 shall contain a provision that requires the recipient to agree to comply with all applicable standards, orders or regulations issued pursuant to Section 508 of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1368) and Section 1424(e) of the Safe Drinking Water Act (42 U.S.C. 300h-3(e)). Violations shall be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).
 10. **Compliance with all Federal statutes relating to nondiscrimination** - These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352), which prohibits discrimination on the basis of sex; (b) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 795), which prohibits discrimination on the basis of handicaps; (c) the Age Discrimination Act of 1975, as amended (42 U.S.C. 6101-6107), which prohibits discrimination on the basis of age; (d) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (e) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (f) Sections 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. 290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (g) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. 3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (h) any other nondiscrimination provisions in the specific statute(s) made; and, (i) the requirements of any other nondiscrimination statute(s) that may apply.
 11. **Compliance with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646)** that provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
 12. **Compliance with the provisions of the Hatch Act (5 U.S.C. 1501 – 1508 and 7324 – 7328)** that limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
 13. **Compliance, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234)** that requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.

14. **Compliance with environmental standards which may be prescribed to the following:** (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order 11514; (b) notification of violating facilities pursuant to E.O. 11738; (c) protection of wetlands pursuant to E.O. 11990; (d) evaluation of flood hazards in floodplains in accordance with E.O. 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. 1451 et seq.); (f) conformity with Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. 7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
15. **Compliance with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. 1271 et seq.)** related to protecting components or potential components of the national wild and scenic rivers system.
16. **Compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470), E.O. 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. 469a-1 et seq.).**
17. **Compliance with P.L. 93-348** regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
18. **Compliance with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. 2131 et seq.)** pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this Agreement.
19. **Compliance with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. 4801 et seq.)** that prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
20. **Compliance with the mandatory standards and policies relating to energy efficiency** that are contained in the State energy conservation plan issued in accordance with the Energy Policy and Conservation Act (Pub. L. 94-163, 89 Stat. 871).
21. **Compliance with the Drug Free Workplace Act.** The recipient shall comply with the provisions of the Drug-Free Workplace Act of 1988 (Public Law 100-690, Title V, Sec. 5153, as amended by Public Law 105-85, Div. A, Title VIII, Sec. 809, as codified at 41 U.S.C. § 702) and DoC Implementing regulations published at 43 CFR Part 43, "Governmentwide Requirements for Drug-Free Workplace (Financial Assistance)" published in the Federal Register on November 26, 2003, 68 FR 66534, which require that the recipient take steps to provide a drug-free workplace.
22. **Compliance with the Buy American Act (41 U.S.C. 10a-10c)** By accepting funds under this Agreement, the Grantee agrees to comply with sections 2 through 4 of the Act of March 3, 1933, popularly known as the "Buy American Act." The Grantee should review the provisions of the Act to ensure that expenditures made under this Agreement are in accordance with it. It is the sense of the Congress that, to the greatest extent practicable, all equipment and products purchased with funds made available under this Agreement should be American-made.
23. **Compliance with the Trafficking Victims Protection Act of 2000 (2 CFR Part 175)** By accepting funds under this Agreement, the Grantee agrees to implement the requirements of (g) of section 106 of the Trafficking Victims Protection Act of 2000 (TVPA), as amended (22 U.S.C. 7104(g).
24. **Compliance with the Americans with Disabilities Act (ADA) of 1990, Public Law 100-336, American with Disabilities act Accessibility Guidelines at 28 CFR 36 and the Americans with Disability Act Title II at 28 CFR 35.** By accepting funds under this Agreement, the Grantee agrees to comply with the provisions under the ADA regulations stated above.
25. **Registrations and Identification Information,** the Grantee agrees to maintain current registration in the Central Contractor Registration (www.ccr.gov) at all times during which they have active project funded with these funds. A Dun and Bradstreet Data Universal Numbering System (DUNS) Number (www.dnb.com) is one of the requirements for registration in the Central Contractor Registration.

Boom Length 150 Feet &
 Over (With or without jib)
 Friction, Hydraulic,
 Electric or Otherwise;
 Cranes 150 Tons & Over;
 Cranes with 3 Drums (When
 3rd drum is rigged for
 work); Gantry & Overhead
 Cranes; Hydraulic Cranes
 Over 25 Tons but not more
 than 50 Tons;
 Hydraulic/Friction Cranes;
 & All Types of Flying
 Cranes; Boom Truck.....\$ 29.05 8.80
 Cranes with Boom Length
 Less than 150 Feet (With
 or without jib); Hydraulic
 Cranes 25 Tons & Under, &
 Over 50 Tons (With Oiler);
 Boom Truck.....\$ 28.32 8.80
 OPERATOR: Drill.....\$ 25.80 8.80
 OPERATOR: Oiler.....\$ 22.99 8.80

 * IRON0402-003 01/01/2019

	Rates	Fringes
IRONWORKER, STRUCTURAL.....	\$ 23.69	12.70

 LAB01652-004 05/01/2018

	Rates	Fringes
LABORER: Grade Checker.....	\$ 22.05	7.27

 PAIN0452-007 08/01/2019

	Rates	Fringes
PAINTER: Brush, Roller and Spray.....	\$ 19.96	11.05

 SUFL2009-169 06/24/2009

	Rates	Fringes
CARPENTER, Includes Form Work....	\$ 17.00	2.51
CEMENT MASON/CONCRETE FINISHER...	\$ 16.93	0.00
LABORER: Common or General.....	\$ 10.64	0.00
LABORER: Landscape.....	\$ 7.25	0.00
LABORER: Pipelayer.....	\$ 14.00	0.00

LABORER: Power Tool Operator
 (Hand Held Drills/Saws,

Jackhammer and Power Saws Only).....	\$ 10.63	2.20
OPERATOR: Asphalt Paver.....	\$ 11.59	0.00
OPERATOR: Backhoe Loader Combo.....	\$ 16.10	2.44
OPERATOR: Backhoe/Excavator.....	\$ 15.33	3.60
OPERATOR: Bulldozer.....	\$ 14.95	0.81
OPERATOR: Grader/Blade.....	\$ 16.00	2.84
OPERATOR: Loader.....	\$ 16.05	0.00
OPERATOR: Mechanic.....	\$ 14.32	0.00
OPERATOR: Roller.....	\$ 10.95	0.00
OPERATOR: Scraper.....	\$ 11.00	1.74
OPERATOR: Trackhoe.....	\$ 20.92	5.50
OPERATOR: Tractor.....	\$ 10.54	0.00
TRUCK DRIVER, Includes Dump Truck.....	\$ 9.60	0.00
TRUCK DRIVER: Lowboy Truck.....	\$ 12.73	0.00
TRUCK DRIVER: Off the Road Truck.....	\$ 12.21	1.97

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

=====

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.

Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

=====

END OF GENERAL DECISION

"



Designed: _____
 Drawn: _____
 Checked: _____

No.	Date	By	Revisions
1	2/7/11	SHB	REVISED PER ADDENDUM SIX

60059.01
ERDMAN ANTHONY
 1402 ROYAL PALM BEACH BLVD., BLDG 500
 ROYAL PALM BEACH, FL 33411
 TEL: 561-9723 FAX: 561-752-9724
 EB-25912 LB-7334

ROYAL PALM BEACH COMMONS
 GRADING
 KEY PLAN

DANA I GILLETTE
 FL PE 41913

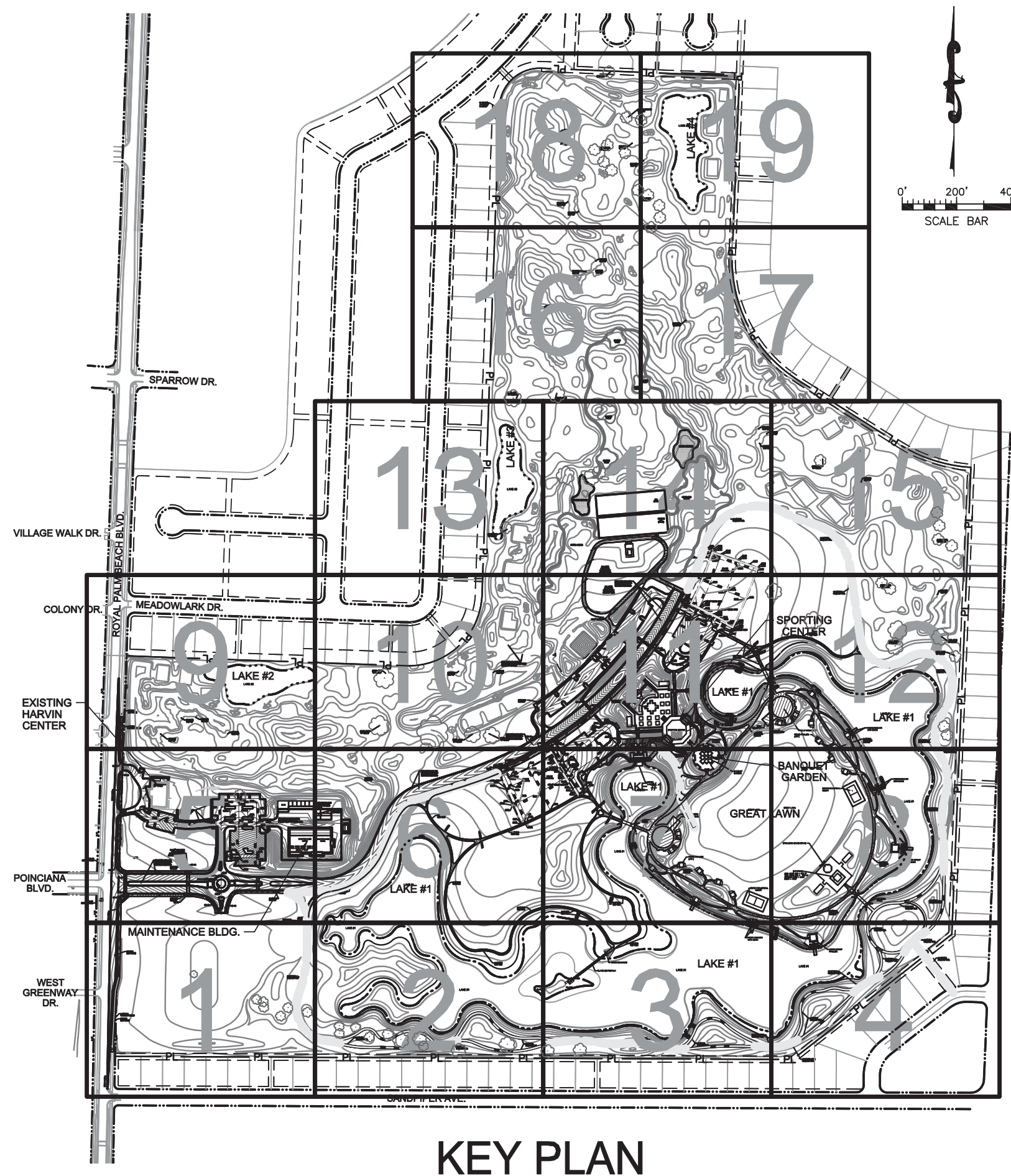
EN-PR0701
 Sheet Reference
 Number
C5.00
 Sheet ___ of ___

**GRADING PLAN
 SHEET INDEX**

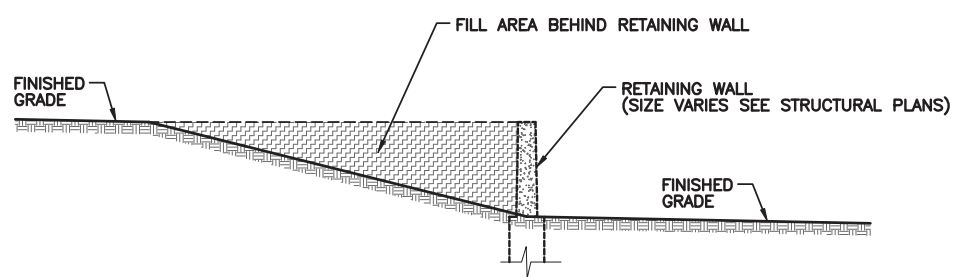
- C5.00 COVER SHEET
- C5.01-C5.19 PLAN SHEETS
- C5.20-C5.21 TYPICAL SECTIONS
- C5.22 GRADING PLAN DETAILS
- C5.23 POINCIANA BLVD. PLAN & PROFILE

GENERAL GRADING NOTES

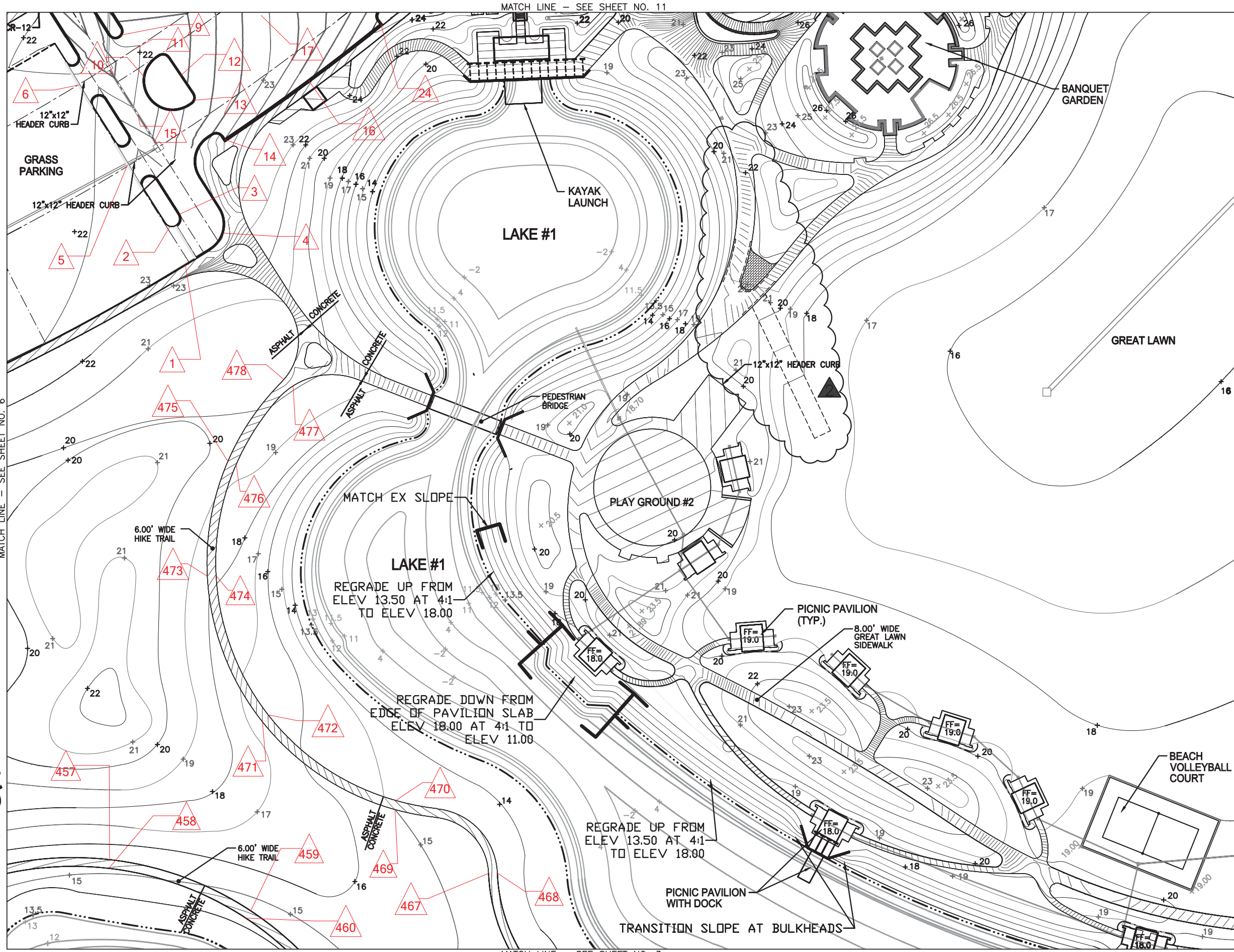
1. PAVED AREAS SUCH AS PARKING LOTS AND ROADWAY ARE SHOWN WITH CONTOURS AT 0.2' INTERVALS.
2. SIDEWALKS AND WALKWAY ARE SHOWN WITH CONTOURS AT 0.1' INTERVALS.
2. THE PARK AREA IS SHOWN WITH CONTOURS AT 1' INTERVALS.
3. THE NORTH PARK AREA IS SHOWN WITH CONTOUR AT 2' INTERVALS.
4. SEE POINCIANA BLVD. PLAN & PROFILE SHEET C4.20 FOR ELEVATIONS ALONG THE CENTERLINE OF POINCIANA BLVD.
5. CONTRACTOR SHALL LASER GRADE GREAT LAWN.



KEY PLAN



RETAINING WALL AREAS
 NOT TO SCALE



Designed: _____
 Drawn: _____
 Checked: _____

No.	Revisions
1	REVISED GRADES PER TRUCK ROUTE

60059.01
ERDMAN ANTHONY
 1402 ROYAL PALM BEACH BLVD., BLDG. 500
 ROYAL PALM BEACH, FL 33411
 TEL: 561-753-7334 FAX: 561-753-7334

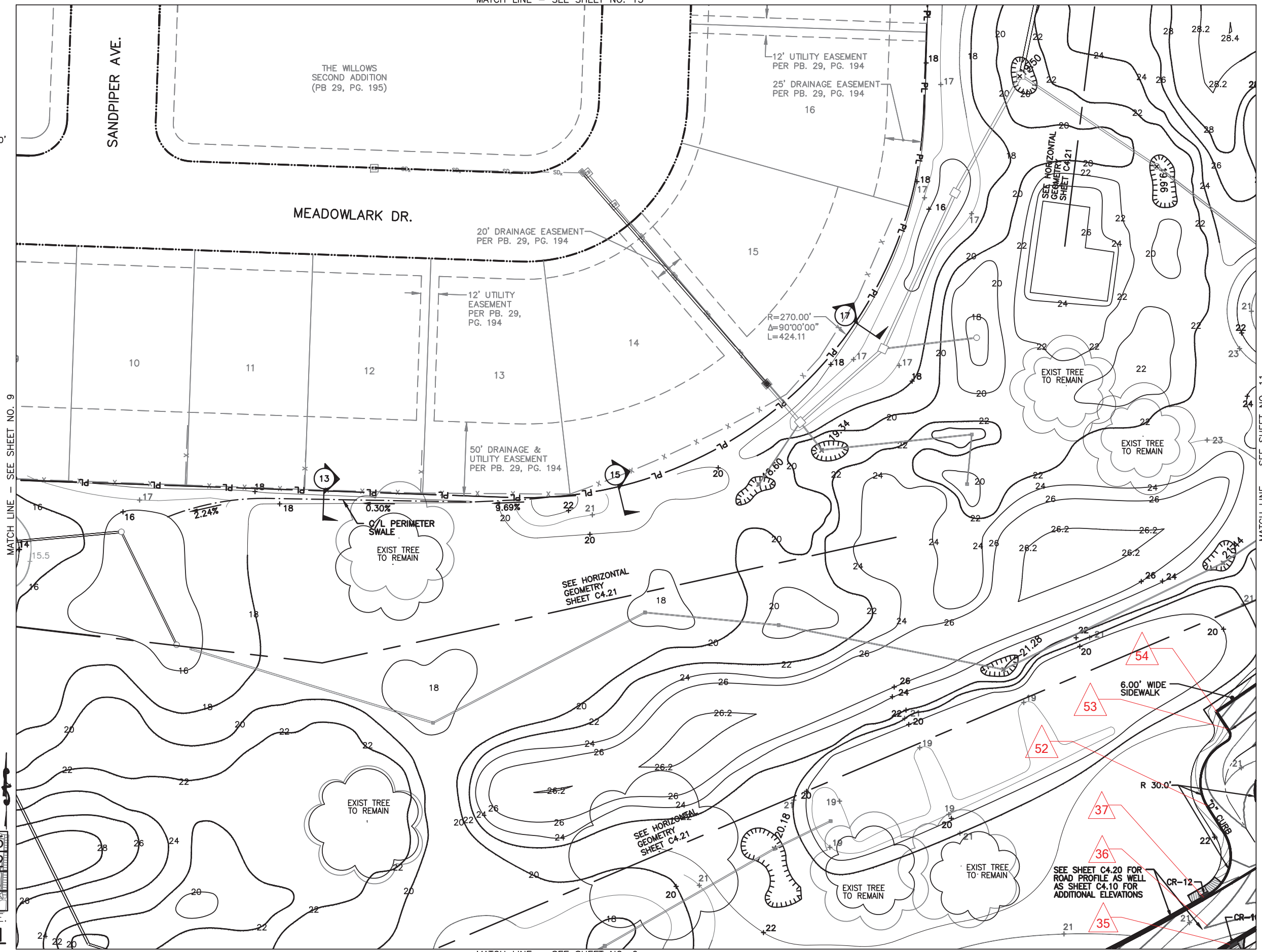
ROYAL PALM BEACH COMMONS
GRADING PLAN

DANA I GILLETTE
 FL PE 41913

EN-PR0701
 Sheet Reference Number
C5.07
 Sheet _____ of _____



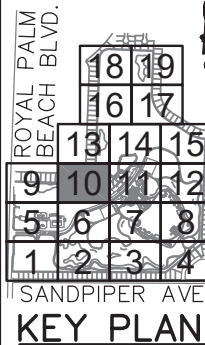
MATCH LINE - SEE SHEET NO. 13



MATCH LINE - SEE SHEET NO. 9

MATCH LINE - SEE SHEET NO. 11

MATCH LINE - SEE SHEET NO. 6



Designed: _____ By: _____
 Drawn: _____
 Checked: _____

No.	By	Date	Revisions

60059.01
ERDMAN ANTHONY
 1402 ROYAL PALM BEACH BLVD., BLDG. 500
 ROYAL PALM BEACH, FL 33411
 TEL: 561-751-7333 FAX: 561-751-7334
 BB-25897E, LB-73134

ROYAL PALM BEACH COMMONS
GRADING PLAN

DANA I GILLETTE
 FL PE 41913

EN-PR0701
 Sheet Reference Number
C5.10
 Sheet _____ of _____

As-Built Data

<p style="text-align: center;">Sexton Engineering Associates, Inc. <u>Michael D. Bonin, PSM, FL Reg. No. 4396</u> <u>110 Ponce de Leon Street</u> <u>Royal Palm Beach, FL 33411</u> <u>561-792-3122</u> mbonin@sextonengineering.com</p>	<p style="text-align: right;">July 17, 2013 <u>Royal Palm Beach Commons</u> <u>Project Number (VRPB / Surveyor)</u> <u>Vertical Datum: NAVD 88</u> Horizontal Datum: NAD83 Florida State Planes, East Zone</p>
Seal:	

Plan ID	Facility Code	Description	Northing	Easting	Elevation
1	Other-	Pavement	859166.665	909371.926	22.88
2	Other-	Pavement	859191.356	909357.348	22.76
3	Other-	Pavement	859200.270	909366.035	22.73
4	Other-	Pavement	859193.460	909399.948	23.25
5	Other-	Pavement	859234.129	909331.512	22.57
6	Other-	Pavement	859289.638	909298.283	22.05
7	Other-	Pavement	859368.097	909277.667	21.57
8	Other-	Pavement	859343.369	909321.854	22.74
9	Other-	Pavement	859321.518	909325.073	22.07
10	Other-	Pavement	859295.992	909341.917	22.11
11	Other-	Pavement	859313.104	909336.531	21.99
12	Other-	Pavement	859294.961	909367.772	22.43
13	Other-	Pavement	859277.790	909375.853	22.62
14	Other-	Pavement	859251.614	909396.855	23.14
15	Other-	Pavement	859270.737	909335.794	22.11
16	Other-	Pavement	859291.466	909450.727	23.43
17	Other-	Pavement	859317.568	909431.966	23.06
18	Other-	Pavement	859354.499	909414.958	22.96
19	Other-	Pavement	859359.724	909400.747	22.80
20	Other-	Pavement	859398.752	909399.997	23.61
21	Other-	Pavement	859384.233	909412.479	23.36
22	Other-	Pavement	859360.258	909456.162	23.42
23	Other-	Pavement	859344.769	909468.535	23.44
24	Other-	Pavement	859331.251	909502.420	23.96
25	Other-	Pavement	859371.042	909522.439	23.97
26	Other-	Pavement	859418.747	909515.458	23.91
27	Other-	Pavement	859430.470	909473.816	24.00
28	Other-	Pavement	859386.998	909495.093	23.70
29	Other-	Pavement	859392.835	909464.649	23.55
30	Other-	Pavement	859385.665	909298.175	21.90
31	Other-	Pavement	859399.609	909288.946	22.11
32	Other-	Pavement	859417.581	909280.011	21.74
33	Other-	Pavement	859437.472	909247.950	21.27
34	Other-	Pavement	859385.190	909266.432	21.76
35	Other-	Pavement	859374.613	909217.101	21.02
36	Other-	Pavement	859360.010	909225.914	21.41
37	Other-	Pavement	859345.681	909234.839	21.01
38	Other-	Pavement	859271.670	909089.110	20.13
39	Other-	Pavement	859287.068	909081.914	20.52
40	Other-	Pavement	859302.714	909075.247	20.27

As-Built Data

41	Other-	Pavement	859243.686	908910.658	19.28
42	Other-	Pavement	859227.547	908915.615	19.60
43	Other-	Pavement	859211.366	908920.800	19.27
44	Other-	Pavement	859609.791	909510.277	27.44
45	Other-	Pavement	859597.646	909522.123	27.61
46	Other-	Pavement	859585.887	909534.471	27.27
47	Other-	Pavement	859483.350	909427.675	24.86
48	Other-	Pavement	859496.739	909417.255	25.17
49	Other-	Pavement	859510.026	909406.422	24.92
50	Other-	Pavement	859399.393	909318.655	22.20
51	Other-	Pavement	859427.196	909299.324	22.15
52	Other-	Pavement	859433.732	909216.384	21.34
53	Other-	Pavement	859485.479	909230.858	21.21
54	Other-	Pavement	859499.461	909222.412	21.39
55	Other-	Pavement	859478.442	909249.706	20.71
56	Other-	Pavement	859471.672	909263.871	21.02
57	Other-	Pavement	859457.663	909274.767	21.30
58	Other-	Pavement	859493.661	909325.470	20.96
59	Other-	Pavement	859512.657	909318.600	20.62
60	Other-	Pavement	859500.996	909334.347	20.78
61	Other-	Pavement	859522.831	909310.340	20.29
62	Other-	Pavement	859532.811	909302.309	20.57
63	Other-	Pavement	859545.666	909286.764	20.98
64	Other-	Pavement	859552.181	909294.725	20.96
65	Other-	Pavement	859603.032	909356.117	20.40
66	Other-	Pavement	859610.362	909364.269	20.26
67	Other-	Pavement	859591.612	909373.121	19.96
68	Other-	Pavement	859587.052	909386.967	19.60
69	Other-	Pavement	859579.979	909398.217	19.93
70	Other-	Pavement	859561.791	909406.637	20.38
71	Other-	Pavement	859568.996	909415.235	20.29
72	Other-	Pavement	859628.066	909475.321	20.25
73	Other-	Pavement	859652.659	909471.282	19.96
74	Other-	Pavement	859661.652	909462.673	19.71
75	Other-	Pavement	859670.415	909452.975	20.04
76	Other-	Pavement	859673.234	909428.874	20.17
77	Other-	Pavement	859853.565	909569.830	20.88
78	Other-	Pavement	859838.478	909583.596	20.47
79	Other-	Pavement	859844.744	909564.228	20.78
80	Other-	Pavement	859771.642	909512.438	20.33
81	Other-	Pavement	859754.876	909524.457	20.00
82	Other-	Pavement	859762.942	909505.970	20.28
83	Other-	Pavement	859694.432	909448.196	20.22
84	Other-	Pavement	859651.093	909496.370	20.21
85	Other-	Pavement	859723.626	909557.292	20.32
86	Other-	Pavement	859739.820	909545.068	19.88
87	Other-	Pavement	859746.926	909534.664	19.51
88	Other-	Pavement	859732.663	909563.936	20.39

As-Built Data

89	Other-	Pavement	859809.731	909617.713	20.88
90	Other-	Pavement	859824.603	909604.612	20.52
91	Other-	Pavement	859831.822	909593.092	20.22
92	Other-	Pavement	859819.257	909623.808	20.98
93	Other-	Pavement	859863.795	909650.929	21.21
94	Other-	Pavement	859876.501	909636.128	20.85
95	Other-	Pavement	859924.059	909632.389	21.08
96	Other-	Pavement	859930.833	909615.207	21.36
97	Other-	Pavement	859912.440	909692.074	21.03
98	Other-	Pavement	859887.669	909678.937	21.27
99	Other-	Pavement	859920.036	909745.841	20.81
100	Other-	Pavement	859912.875	909758.888	20.48
101	Other-	Pavement	859844.614	909723.295	21.71
102	Other-	Pavement	859853.876	909708.872	22.10
103	Other-	Pavement	859862.379	909694.253	21.77
104	Other-	Pavement	859739.308	909616.368	24.62
105	Other-	Pavement	859729.101	909630.604	24.98
106	Other-	Pavement	859718.971	909643.522	24.69
107	Other-	Pavement	859682.115	909702.454	23.84
108	Other-	Pavement	859653.536	909721.566	23.85
109	Other-	Pavement	859630.135	909712.279	24.12
110	Other-	Pavement	859638.112	909761.408	23.89
111	Other-	Pavement	859652.649	909755.722	23.80
112	Other-	Pavement	859675.875	909782.782	23.53
113	Other-	Pavement	859690.950	909739.995	23.43
114	Other-	Pavement	859692.203	909761.768	23.26
115	Other-	Pavement	859681.196	909832.376	23.94
116	Other-	Pavement	859681.204	909832.414	23.94
117	Other-	Pavement	859702.296	909806.712	23.25
118	Other-	Pavement	859719.242	909780.352	23.01
119	Other-	Pavement	859737.527	909753.456	22.92
120	Other-	Pavement	859754.019	909725.704	23.49
121	Other-	Pavement	859831.102	909771.392	22.63
122	Other-	Pavement	859815.701	909799.607	21.97
123	Other-	Pavement	859799.916	909828.365	22.17
124	Other-	Pavement	859785.997	909857.633	22.39
125	Other-	Pavement	859768.946	909884.992	23.09
126	Other-	Pavement	859779.510	909891.202	22.56
127	Other-	Pavement	859801.409	909902.667	22.65
128	Other-	Pavement	859824.742	909878.199	22.44
129	Other-	Pavement	859822.438	909837.169	21.99
130	Other-	Pavement	859854.647	909821.206	21.98
131	Other-	Pavement	859861.278	909789.121	21.61
132	Other-	Pavement	859840.817	909775.151	21.83
133	Other-	Pavement	858932.855	908628.140	17.06
134	Other-	Pavement	858941.777	908613.633	17.42
135	Other-	Pavement	858951.559	908599.124	17.06
136	Other-	Pavement	859081.390	908659.515	17.82

As-Built Data

137	Other-	Pavement	859075.387	908675.432	18.17
138	Other-	Pavement	859067.638	908690.581	17.89
139	Other-	Pavement	859164.149	908776.111	18.56
140	Other-	Pavement	859179.823	908769.091	18.89
141	Other-	Pavement	859194.834	908761.208	18.53
142	Other-	Pavement	858834.951	908496.917	17.89
143	Other-	Pavement	858851.793	908493.229	18.25
144	Other-	Pavement	858868.947	908489.332	18.08
145	Other-	Pavement	858842.355	908402.806	18.59
146	Other-	Pavement	858866.583	908343.276	18.45
147	Other-	Pavement	858849.625	908342.966	18.59
148	Other-	Pavement	858835.792	908342.983	18.67
149	Other-	Pavement	858818.990	908344.277	18.42
150	Other-	Pavement	858818.128	908226.892	19.04
151	Other-	Pavement	858842.732	908227.210	19.25
152	Other-	Pavement	858866.831	908227.597	19.01
153	Other-	Pavement	858816.245	908115.626	19.74
154	Other-	Pavement	858844.826	908112.557	20.05
155	Other-	Pavement	858887.574	908088.584	19.65
156	Other-	Pavement	858892.874	908058.464	19.90
157	Other-	Pavement	858880.649	908011.395	19.58
158	Other-	Pavement	858840.356	908013.127	19.86
159	Other-	Pavement	858794.171	908009.946	19.37
160	Other-	Pavement	858793.069	908062.236	20.08
161	Other-	Pavement	858813.700	908062.188	20.19
162	Other-	Pavement	858843.831	908092.165	20.15
163	Other-	Pavement	858871.835	908061.450	20.15
164	Other-	Pavement	858843.009	908033.104	20.23
165	Other-	Pavement	858736.202	908050.414	19.75
166	Other-	Pavement	858737.717	908063.001	19.93
167	Other-	Pavement	858737.971	908076.905	19.84
168	Other-	Pavement	858879.272	907879.276	18.08
169	Other-	Pavement	858850.679	907877.483	18.47
170	Other-	Pavement	858834.793	907877.839	18.67
171	Other-	Pavement	858806.031	907877.269	18.11
172	Other-	Pavement	858806.360	907747.213	16.74
173	Other-	Pavement	858834.800	907748.565	17.55
174	Other-	Pavement	858850.690	907748.049	17.32
175	Other-	Pavement	858879.347	907749.288	16.66
176	Other-	Pavement	858879.434	907717.982	16.95
177	Other-	Pavement	858842.734	907717.697	17.44
178	Other-	Pavement	858806.048	907718.635	16.85
179	Other-	Pavement	858766.287	907680.099	17.33
180	Other-	Pavement	858768.036	907655.145	17.67
181	Other-	Pavement	858670.566	907653.157	17.39
182	Other-	Pavement	858669.577	907678.156	17.07
183	Other-	Pavement	858571.198	907676.436	16.64
184	Other-	Pavement	858571.408	907651.150	17.10

As-Built Data

185	Other-	Pavement	858510.197	907649.933	16.82
186	Other-	Pavement	858508.351	907675.125	16.50
187	Other-	Pavement	858447.660	907663.241	16.77
188	Other-	Pavement	858447.779	907648.821	16.99
189	Other-	Pavement	858340.001	907657.397	17.02
190	Other-	Pavement	858340.593	907646.773	17.30
191	Other-	Pavement	858237.946	907651.945	17.36
192	Other-	Pavement	858237.924	907644.532	17.52
193	Other-	Pavement	858842.347	907681.660	17.61
194	Other-	Pavement	858842.480	907657.035	17.81
195	Other-	Pavement	858926.858	907659.479	17.67
196	Other-	Pavement	858927.371	907673.510	17.57
197	Other-	Pavement	859081.185	907679.373	16.96
198	Other-	Pavement	859105.212	907665.872	17.23
199	Other-	Pavement	859128.790	907680.893	16.78
200	Other-	Pavement	859233.047	907684.816	16.38
201	Other-	Pavement	859233.525	907670.090	16.84
202	Other-	Pavement	859303.808	907684.863	16.96
203	Other-	Pavement	859303.819	907672.734	16.77
204	Other-	Pavement	859397.631	907685.313	16.33
205	Other-	Pavement	859396.905	907676.018	16.55
206	Other-	Pavement	859280.902	907708.545	17.75
207	Other-	Pavement	859259.434	907708.468	17.86
208	Other-	Pavement	859229.097	907743.761	19.02
209	Other-	Pavement	859247.926	907765.590	18.81
210	Other-	Pavement	859183.149	907788.113	20.23
211	Other-	Pavement	859182.928	907768.304	20.04
212	Other-	Pavement	859135.287	907753.514	19.36
213	Other-	Pavement	859117.764	907777.981	19.82
214	Other-	Pavement	859113.543	907695.216	17.48
215	Other-	Pavement	859096.931	907694.682	17.55
216	Other-	Pavement	859105.256	907740.641	18.88
217	Other-	Pavement	859075.435	907790.434	19.82
218	Other-	Pavement	859054.874	907788.496	20.14
219	Other-	Pavement	859088.124	907796.218	19.69
220	Other-	Pavement	859116.326	907805.469	20.15
221	Other-	Pavement	859106.014	907842.513	20.10
222	Other-	Pavement	859075.333	907833.483	19.77
223	Other-	Pavement	859044.192	907826.487	20.25
224	Other-	Pavement	859029.119	907886.766	19.64
225	Other-	Pavement	859060.676	907892.361	18.99
226	Other-	Pavement	859095.072	907893.092	19.73
227	Other-	Pavement	858973.850	908050.270	19.44
228	Other-	Pavement	858971.979	908075.246	19.47
229	Other-	Pavement	858971.509	908062.845	19.48
230	Other-	Pavement	859922.836	909783.922	21.28
231	Other-	Pavement	859927.373	909773.637	21.15
232	Other-	Pavement	860089.223	909848.963	19.00

As-Built Data

233	Other-	Pavement	860094.033	909838.878	19.11
234	Other-	Pavement	860200.478	909918.376	19.57
235	Other-	Pavement	860191.814	909925.938	19.41
236	Other-	Pavement	860237.517	910017.452	19.82
237	Other-	Pavement	860225.940	910019.682	19.70
238	Other-	Pavement	860202.030	910135.720	19.53
239	Other-	Pavement	860213.164	910139.245	19.71
240	Other-	Pavement	860163.254	910267.410	19.30
241	Other-	Pavement	860153.029	910261.769	19.18
242	Other-	Pavement	860084.860	910355.898	18.92
243	Other-	Pavement	860077.973	910346.739	18.72
244	Other-	Pavement	859948.384	910391.786	18.40
245	Other-	Pavement	859948.954	910380.006	18.25
246	Other-	Pavement	859831.918	910408.854	17.96
247	Other-	Pavement	859831.968	910396.984	17.85
248	Other-	Pavement	859748.586	910421.821	17.79
249	Other-	Pavement	859748.878	910409.896	17.44
250	Other-	Pavement	859709.694	910432.263	17.67
251	Other-	Pavement	859705.500	910421.059	17.52
252	Other-	Pavement	859658.844	910497.049	17.29
253	Other-	Pavement	859647.240	910494.318	17.08
254	Other-	Pavement	859693.344	910385.219	17.88
255	Other-	Pavement	859687.418	910388.001	17.96
256	Other-	Pavement	859709.889	910295.317	18.56
257	Other-	Pavement	859705.950	910290.631	18.59
258	Other-	Pavement	859754.273	910197.591	19.62
259	Other-	Pavement	859748.656	910196.235	19.76
260	Other-	Pavement	859738.028	910102.780	20.48
261	Other-	Pavement	859732.020	910103.973	20.61
262	Other-	Pavement	859715.449	910021.796	21.81
263	Other-	Pavement	859708.834	910021.438	21.73
264	Other-	Pavement	859691.573	910034.525	20.48
265	Other-	Pavement	859688.564	910038.703	20.36
266	Other-	Pavement	859686.143	910610.543	16.55
267	Other-	Pavement	859679.741	910625.867	16.37
268	Other-	Pavement	859665.582	910705.613	15.92
269	Other-	Pavement	859679.022	910705.951	16.14
270	Other-	Pavement	859611.713	910743.521	16.21
271	Other-	Pavement	859533.281	910742.890	17.30
272	Other-	Pavement	859522.504	910751.385	17.52
273	Other-	Pavement	859405.627	910697.761	18.81
274	Other-	Pavement	859409.453	910686.675	18.75
275	Other-	Pavement	859329.798	910709.645	18.71
276	Other-	Pavement	859325.977	910698.352	18.65
277	Other-	Pavement	859224.386	910731.032	17.38
278	Other-	Pavement	859224.256	910742.654	17.38
279	Other-	Pavement	859077.097	910721.531	18.97
280	Other-	Pavement	859078.430	910710.918	18.93

As-Built Data

281	Other-	Pavement	858942.109	910717.474	16.62
282	Other-	Pavement	858942.249	910729.502	16.59
283	Other-	Pavement	858833.191	910725.473	17.93
284	Other-	Pavement	858832.995	910720.057	17.97
285	Other-	Pavement	858774.815	910717.859	18.16
286	Other-	Pavement	858774.230	910724.039	18.04
287	Other-	Pavement	858697.297	910688.176	18.54
288	Other-	Pavement	858694.120	910693.520	18.45
289	Other-	Pavement	858637.225	910624.291	18.33
290	Other-	Pavement	858641.179	910619.708	18.43
291	Other-	Pavement	858587.794	910575.748	18.64
292	Other-	Pavement	858583.896	910580.576	18.51
293	Other-	Pavement	858526.419	910536.243	17.91
294	Other-	Pavement	858531.336	910532.426	17.99
295	Other-	Pavement	858499.598	910482.911	17.20
296	Other-	Pavement	858493.578	910485.200	17.04
297	Other-	Pavement	858466.809	910433.176	16.23
298	Other-	Pavement	858479.403	910430.763	16.30
299	Other-	Pavement	858581.075	910487.576	18.57
300	Other-	Pavement	858584.026	910492.906	18.61
301	Other-	Pavement	858590.334	910528.953	19.65
302	Other-	Pavement	858584.860	910528.542	19.68
303	Other-	Pavement	858683.783	910446.113	17.81
304	Other-	Pavement	858687.618	910439.930	17.73
305	Other-	Pavement	858737.973	910469.143	18.29
306	Other-	Pavement	858742.546	910464.828	18.17
307	Other-	Pavement	858772.386	910526.377	18.25
308	Other-	Pavement	858766.147	910526.746	18.34
309	Other-	Pavement	858770.903	910574.744	18.58
310	Other-	Pavement	858776.674	910570.408	18.58
311	Other-	Pavement	858813.472	910650.143	18.74
312	Other-	Pavement	858807.969	910653.617	18.78
313	Other-	Pavement	858881.062	910702.166	17.87
314	Other-	Pavement	858877.991	910707.751	17.93
315	Other-	Pavement	858755.824	910636.343	19.60
316	Other-	Pavement	858751.446	910631.924	19.57
317	Other-	Pavement	858689.035	910654.478	19.07
318	Other-	Pavement	858689.978	910648.202	19.10
319	Other-	Pavement	858623.870	910619.752	18.28
320	Other-	Pavement	858617.308	910612.607	18.26
321	Other-	Pavement	858545.721	910669.465	18.77
322	Other-	Pavement	858551.141	910678.772	18.78
323	Other-	Pavement	858491.312	910726.255	19.15
324	Other-	Pavement	858485.947	910716.353	19.21
325	Other-	Pavement	858442.343	910764.373	17.24
326	Other-	Pavement	858447.502	910393.685	17.03
327	Other-	Pavement	858441.528	910398.198	16.88
328	Other-	Pavement	858386.110	910330.499	18.36

As-Built Data

329	Other-	Pavement	858378.447	910331.465	18.18
330	Other-	Pavement	858336.014	910273.650	18.63
331	Other-	Pavement	858329.881	910276.333	18.46
332	Other-	Pavement	858268.116	910184.215	18.23
333	Other-	Pavement	858261.694	910187.337	17.83
334	Other-	Pavement	858271.323	910177.336	18.24
335	Other-	Pavement	858275.177	910172.689	18.19
336	Other-	Pavement	858248.493	910104.648	17.43
337	Other-	Pavement	858242.076	910104.018	17.57
338	Other-	Pavement	858234.860	910103.378	17.19
339	Other-	Pavement	858240.509	910001.977	18.79
340	Other-	Pavement	858246.719	910003.041	18.91
341	Other-	Pavement	858252.503	910033.048	18.23
342	Other-	Pavement	858258.119	910035.396	18.08
343	Other-	Pavement	858281.262	909972.697	18.32
344	Other-	Pavement	858286.366	909975.996	18.18
345	Other-	Pavement	858325.635	910201.851	18.70
346	Other-	Pavement	858326.578	910195.496	18.68
347	Other-	Pavement	858424.845	910207.279	17.35
348	Other-	Pavement	858422.961	910213.520	17.47
349	Other-	Pavement	858452.346	910276.749	17.37
350	Other-	Pavement	858446.235	910277.720	17.46
351	Other-	Pavement	858449.316	910363.290	17.48
352	Other-	Pavement	858455.555	910363.370	17.31
353	Other-	Pavement	858246.533	909888.707	19.54
354	Other-	Pavement	858240.624	909888.405	19.39
355	Other-	Pavement	858234.355	909811.103	19.06
356	Other-	Pavement	858240.533	909809.646	19.14
357	Other-	Pavement	858236.822	909765.567	18.29
358	Other-	Pavement	858230.429	909765.770	18.05
359	Other-	Pavement	858241.602	909764.942	18.26
360	Other-	Pavement	858246.682	909761.335	18.05
361	Other-	Pavement	858286.556	909803.743	18.21
362	Other-	Pavement	858289.299	909798.156	18.12
363	Other-	Pavement	858340.248	909849.585	17.85
364	Other-	Pavement	858346.995	909850.629	17.77
365	Other-	Pavement	858326.965	909910.626	18.07
366	Other-	Pavement	858333.806	909911.717	17.93
367	Other-	Pavement	858239.516	909724.126	17.10
368	Other-	Pavement	858226.754	909722.911	16.98
369	Other-	Pavement	858249.025	909609.629	19.30
370	Other-	Pavement	858262.342	909608.864	19.35
371	Other-	Pavement	858246.933	909504.774	19.25
372	Other-	Pavement	858259.718	909503.508	19.09
373	Other-	Pavement	858258.556	909401.632	18.96
374	Other-	Pavement	858269.779	909400.814	18.82
375	Other-	Pavement	858252.519	909287.450	18.27
376	Other-	Pavement	858260.276	909284.543	18.56

As-Built Data

377	Other-	Pavement	858265.089	909279.905	18.38
378	Other-	Pavement	858270.881	909281.267	18.29
379	Other-	Pavement	858240.809	909210.404	18.60
380	Other-	Pavement	858234.668	909211.573	18.52
381	Other-	Pavement	858228.512	909141.310	18.70
382	Other-	Pavement	858222.676	909140.468	18.70
383	Other-	Pavement	858229.704	909088.581	18.89
384	Other-	Pavement	858224.884	909081.883	18.68
385	Other-	Pavement	858248.072	909021.023	18.50
386	Other-	Pavement	858243.398	909017.302	18.39
387	Other-	Pavement	858269.470	908950.881	19.13
388	Other-	Pavement	858263.177	908943.905	18.99
389	Other-	Pavement	858266.297	908922.309	18.90
390	Other-	Pavement	858237.375	908873.724	18.56
391	Other-	Pavement	858254.219	908878.644	18.58
392	Other-	Pavement	858226.829	908818.020	18.50
393	Other-	Pavement	858313.334	908952.314	17.74
394	Other-	Pavement	858314.536	908945.924	17.57
395	Other-	Pavement	858367.452	909021.222	17.62
396	Other-	Pavement	858361.810	909020.946	17.77
397	Other-	Pavement	858309.394	909088.656	18.06
398	Other-	Pavement	858305.138	909083.967	18.14
399	Other-	Pavement	858278.071	909171.097	17.63
400	Other-	Pavement	858271.885	909170.664	17.91
401	Other-	Pavement	858662.140	908373.663	18.19
402	Other-	Pavement	858661.739	908384.824	18.27
403	Other-	Pavement	858551.077	908382.117	18.58
404	Other-	Pavement	858552.520	908370.324	18.38
405	Other-	Pavement	858435.820	908353.819	19.06
406	Other-	Pavement	858440.038	908342.875	19.04
407	Other-	Pavement	858393.707	908333.266	18.67
408	Other-	Pavement	858381.287	908345.371	18.66
409	Other-	Pavement	858303.474	908366.584	18.58
410	Other-	Pavement	858313.409	908372.488	18.64
411	Other-	Pavement	858286.944	908416.549	19.30
412	Other-	Pavement	858274.751	908416.460	19.08
413	Other-	Pavement	858274.513	908469.971	19.58
414	Other-	Pavement	859014.432	908893.465	17.22
415	Other-	Pavement	859011.112	908887.387	17.03
416	Other-	Pavement	858925.738	908912.804	17.83
417	Other-	Pavement	858923.546	908923.009	18.00
418	Other-	Pavement	858917.922	908930.766	18.01
419	Other-	Pavement	858985.103	909000.422	18.88
420	Other-	Pavement	858989.593	908994.745	18.79
421	Other-	Pavement	858826.097	908895.846	17.13
422	Other-	Pavement	858827.622	908887.253	16.97
423	Other-	Pavement	858721.328	908891.447	16.26
424	Other-	Pavement	858722.592	908898.810	16.39

As-Built Data

425	Other-	Pavement	858638.406	908937.691	15.60
426	Other-	Pavement	858634.724	908931.708	15.60
427	Other-	Pavement	858595.136	909035.776	15.66
428	Other-	Pavement	858602.682	909035.180	15.65
429	Other-	Pavement	858271.491	908489.419	22.30
430	Other-	Pavement	858263.235	908488.976	22.17
431	Other-	Pavement	858255.391	908485.571	22.06
432	Other-	Pavement	858281.770	908442.248	23.10
433	Other-	Pavement	858269.661	908522.705	21.51
434	Other-	Pavement	858275.938	908520.789	21.61
435	Other-	Pavement	858309.528	908591.708	22.18
436	Other-	Pavement	858303.546	908593.614	22.06
437	Other-	Pavement	858272.701	908673.839	22.00
438	Other-	Pavement	858266.380	908674.605	22.07
439	Other-	Pavement	858303.494	908772.648	21.49
440	Other-	Pavement	858297.058	908772.158	21.57
441	Other-	Pavement	858267.298	908834.051	21.83
442	Other-	Pavement	858270.585	908840.837	21.88
443	Other-	Pavement	858232.969	908813.979	21.85
444	Other-	Pavement	858226.848	908813.819	21.64
445	Other-	Pavement	858240.655	908717.487	21.98
446	Other-	Pavement	858234.697	908716.831	21.91
447	Other-	Pavement	858243.438	908635.904	22.38
448	Other-	Pavement	858237.282	908635.853	22.34
449	Other-	Pavement	858250.863	908523.152	21.80
450	Other-	Pavement	858244.948	908521.917	21.76
451	Other-	Pavement	858600.657	909117.602	15.81
452	Other-	Pavement	858596.309	909124.713	15.66
453	Other-	Pavement	858689.537	909150.410	16.17
454	Other-	Pavement	858694.289	909145.204	16.18
455	Other-	Pavement	858751.677	909226.319	15.74
456	Other-	Pavement	858745.109	909228.683	15.64
457	Other-	Pavement	858760.692	909319.606	15.33
458	Other-	Pavement	858753.442	909318.482	15.17
459	Other-	Pavement	858744.517	909381.533	15.22
460	Other-	Pavement	858737.937	909378.078	15.13
461	Other-	Pavement	858662.692	909467.321	14.65
462	Other-	Pavement	858665.843	909474.165	14.59
463	Other-	Pavement	858624.814	909516.646	14.31
464	Other-	Pavement	858617.606	909513.627	14.26
465	Other-	Pavement	858658.833	909593.962	14.80
466	Other-	Pavement	858654.618	909599.911	14.74
467	Other-	Pavement	858750.501	909576.138	14.93
468	Other-	Pavement	858751.520	909583.593	14.78
469	Other-	Pavement	858797.741	909499.798	15.17
470	Other-	Pavement	858804.342	909502.593	15.14
471	Other-	Pavement	858853.722	909421.457	16.44
472	Other-	Pavement	858857.683	909427.263	16.35

As-Built Data

473	Other-	Pavement	858950.954	909384.697	18.18
474	Other-	Pavement	858951.343	909391.528	18.18
475	Other-	Pavement	859033.768	909399.381	19.43
476	Other-	Pavement	859034.388	909407.033	19.40
477	Other-	Pavement	859081.812	909441.593	20.32
478	Other-	Pavement	859086.647	909436.204	20.32
479	Other-	Pavement	859153.191	908130.507	19.11
480	Other-	Pavement	859173.252	908135.638	19.57
481	Other-	Pavement	859173.149	908125.366	19.55
482	Other-	Pavement	859173.168	908055.415	19.60
483	Other-	Pavement	859153.819	908054.582	19.18
484	Other-	Pavement	859153.165	908031.313	19.45
485	Other-	Pavement	859093.444	908031.096	19.20
486	Other-	Pavement	859086.140	908050.389	18.66
487	Other-	Pavement	859064.463	908062.738	18.39
488	Other-	Pavement	859051.400	908048.596	18.68
489	Other-	Pavement	859047.017	907990.328	19.20
490	Other-	Pavement	859060.377	907989.494	18.89
491	Other-	Pavement	859071.872	907988.939	19.12
492	Other-	Pavement	858979.079	908050.333	19.38
493	Other-	Pavement	858978.989	908062.570	19.42
494	Other-	Pavement	858978.788	908075.009	19.46
495	Other-	Pavement	859048.640	908083.514	18.65
496	Other-	Pavement	859083.051	908075.326	18.47
497	Other-	Pavement	859122.987	908075.069	18.69
498	Other-	Pavement	859122.910	908115.295	18.69
499	Other-	Pavement	859122.617	908140.078	18.70
500	Other-	Pavement	859122.734	908180.446	18.73
501	Other-	Pavement	859154.748	908206.168	19.20
502	Other-	Pavement	859173.112	908205.491	19.54
503	Other-	Pavement	859152.971	908225.293	19.32
504	Other-	Pavement	859093.219	908225.174	19.22
505	Other-	Pavement	859085.292	908205.311	18.75
506	Other-	Pavement	859082.949	908180.508	18.47
507	Other-	Pavement	859088.354	908160.241	18.63
508	Other-	Pavement	859118.061	908159.737	18.76
509	Other-	Pavement	859118.008	908094.991	18.84
510	Other-	Pavement	859088.355	908094.314	18.69
511	Other-	Pavement	859051.893	908114.842	18.52
512	Other-	Pavement	859037.182	908095.509	19.41
513	Other-	Pavement	858967.400	908095.408	20.90
514	Other-	Pavement	858966.973	908115.669	20.54
515	Other-	Pavement	858943.783	908126.890	20.77
516	Other-	Pavement	858943.181	908101.440	20.89
517	Other-	Pavement	858908.427	908110.730	21.35
518	Other-	Pavement	858971.179	908143.905	20.42
519	Other-	Pavement	858990.876	908129.992	19.86
520	Other-	Pavement	858963.323	908159.976	20.80

As-Built Data

521	Other-	Pavement	859042.829	908159.943	18.70
522	Other-	Pavement	859048.367	908140.102	18.50
523	Other-	Pavement	859048.258	908180.490	18.74
524	Other-	Pavement	859065.831	908192.257	18.37
525	Other-	Pavement	859052.241	908206.249	18.71
526	Other-	Pavement	859046.555	908218.683	18.79
527	Other-	Pavement	859027.992	908225.184	19.88
528	Other-	Pavement	858957.891	908181.369	21.33
529	Other-	Pavement	858908.270	908205.031	23.00
530	Other-	Pavement	858926.851	908207.006	22.57
531	Other-	Pavement	858928.238	908225.171	22.85
532	Other-	Pavement	859066.141	908271.705	18.65
533	Other-	Pavement	859052.025	908269.910	18.83
534	Other-	Pavement	859080.729	908259.430	18.76
535	Other-	Pavement	859107.150	908271.578	18.70
536	Other-	Pavement	859014.754	908315.354	18.83
537	Other-	Pavement	858985.151	908285.830	18.60
538	Other-	Pavement	858949.054	908315.929	18.71
539	Other-	Pavement	859044.026	908315.857	18.51
540	Other-	Pavement	859064.161	908323.612	18.46
541	Other-	Pavement	859106.856	908310.783	18.71
542	Other-	Pavement	859116.666	908403.230	18.95
543	Other-	Pavement	859043.975	908378.882	18.49
544	Other-	Pavement	859058.950	908441.059	18.58
545	Other-	Pavement	859044.017	908465.744	18.55
546	Other-	Pavement	859018.925	908466.330	18.82
547	Other-	Pavement	859077.846	908468.759	18.93
548	Other-	Pavement	859116.565	908468.902	18.92
549	Other-	Pavement	859116.383	908505.751	19.42
550	Other-	Pavement	859049.894	908505.766	18.61
551	Other-	Pavement	858958.648	908466.285	18.80
552	Other-	Pavement	858930.810	908385.902	18.68

USER INPUTS

Project Name:	ROYAL PALM BEACH COMMONS	Date:	6/17/2011
Work Order:		Design Standard:	2007 FBC/ASCE 7
Part #:	1280PT/8208.66SQ6		(3-sec. gust wind speed)
Pole length, ft	8.67	Pole shaft material	6061-T6
Pole base height AGL, ft.	0	Base plate material	356-T6
Pole shaft shape	SQUARE	Bolt material	F1554 Grade 55
Tip width, in.	6.00	Weld electrode yield str.	RE4030
Butt width, in.	6.00	Wind velocity, mph	140
Wall thickness, in.	0.188	Exposure category	C
Anchor bolt dia., in.	0.75	Building classification	II
No. of anchor bolts	4	Importance factor	1
Dia. of bolt circle, in.	14.00		
Anchor bolt embedment, in.	17	EPA (sf)	Ht (ft.)
Base plate thickness, in.	1.00	Top Fixt. + Arm	2.5 10 50 0
Base plate width, in.	19	Fixt. 2 + Arm	0 0 0 0
Pole/base fillet weld size, in.	0.25		

WIND LOAD ANALYSIS

Segment	Seg. Area, ft2	Centroid ht.	Kz	Cf	p, psf	w, lb/in	P. lbs	M in-k
1	4.34	4.3	0.85	1.35	38.4	1.60	256.0	13.3

WIND LOAD ANALYSIS REPORT
 THIS REPORT WAS GENERATED BY THE WIND LOAD ANALYSIS SOFTWARE
 AND IS SUBJECT TO THE TERMS AND CONDITIONS OF THE LICENSE AGREEMENT.
 WIND LOAD ANALYSIS SOFTWARE
 4551 WINDY HILL DRIVE, SUITE 100
 TAMPA, FL 33611
 TEL: 813-973-1111
 FAX: 813-973-1112
 WWW.WINDLOADANALYSIS.COM

Fixture @ tip	2.5	10.0	0.85	1	38.4	109.4	13.1
Fixture 2 (if any)	0	0.0	0.85	1	38.4	0.0	
						$\Sigma =$ 365.4	26.4

CODE-SPECIFIC FACTORS

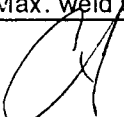
Gust Factor (G)	1.14	Wind Directionality Factor (Kd)	0.9	Topo Factor (Kzt)	1
-----------------	------	---------------------------------	-----	-------------------	---

MATERIAL & GEOMETRIC PROPERTIES

Weld Yield Strength, ksi:	60	Pole Yield Strength, ksi:	35
Bolt Yield Strength, ksi:	55	Pole Ultimate Strength, ksi:	42
Allowable shear stress (Fv), psi	29,700		
Fillet weld sect. modulus, in^3	17.5	Plate Yield Strength, ksi:	24
Shear (Dir.+Tor.) @ butt (fv), psi	83.6	Plate Ultimate Strength, ksi:	33.9

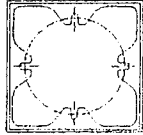
ANALYSIS RESULTS SUMMARY

Bending stress @ butt (fb), ksi	3.22	Combined Stress Ratio	0.11
Allowable bending stress (Fb), ksi	28.1	Bending stress @ butt O.K.?	YES
Max. bolt tension T, kips	1.3	Bolt tension O.K.?	YES
Plate stress, ksi	1.6	Plate stress O.K.?	YES
Max. weld stress, ksi	1.5	Max. weld stress O.K.?	YES
		Pole design OK?	YES
		Tip deflection, in.	0.28


 CHRIS ARLANDSON, P.E.
 FL REG. NO. 63302

FIXTURE EPA: 2.5 SQ FT
 POLE EPA: 5.6 SQ FT

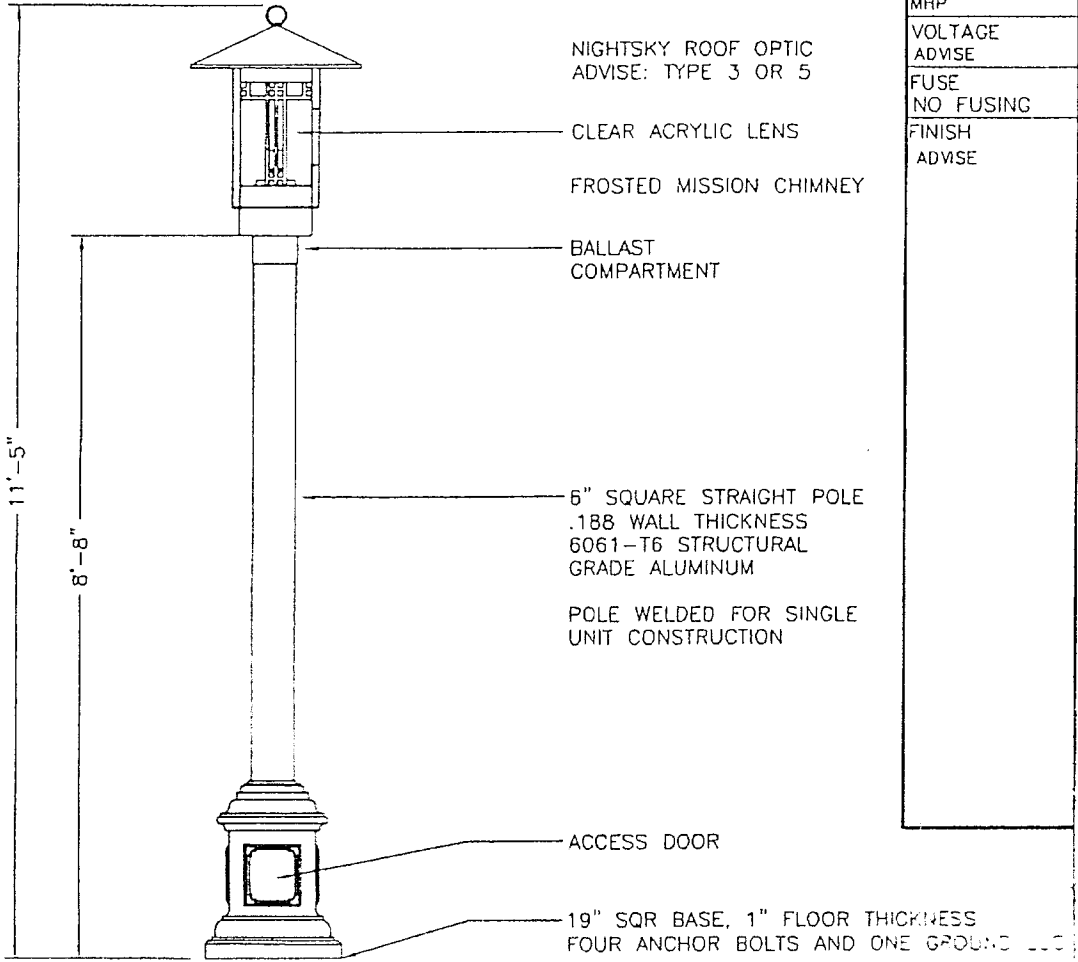
STREET



ACCESS DOOR

ROYAL PALM BEACH COMMONS	POLE HEIGHTS HAVE A TOLERANCE OF + OR - 2"	6/16/11	DRAWING NUMBER	SC13898
1280PT / 8208.66SQ6			RB	
STERNBERG		SINCE 1923		

SOCKET TYPE MEDIUM
WATTAGE 100
LIGHT SOURCE MHP
VOLTAGE ADVISE
FUSE NO FUSING
FINISH ADVISE



USER INPUTS

Project Name:	ROYAL PALM BEACH COMMONS	Date:	6/17/2011
Work Order:		Design Standard:	2007 FBC/ASCE 7
Part #:	2-1280/HCF/8215SQ6		(3-sec. gust wind speed)
Pole length, ft	15	Pole shaft material	6061-T6
Pole base height AGL, ft.	0	Base plate material	356-T6
Pole shaft shape	SQUARE	Bolt material	F1554 Grade 55
Tip width, in.	6.00	Weld electrode yield str.	RE4030
Butt width, in.	6.00	Wind velocity, mph	140
Wall thickness, in.	0.188	Exposure category	C
Anchor bolt dia., in.	0.75	Building classification	II
No. of anchor bolts	4	Importance factor	1
Dia. of bolt circle, in.	14.00		
Anchor bolt embedment, in.	17	Top Fixt. + Arm	EPA (sf) 6 Ht (ft.) 13 Wt (lb.) 50 Offset (in) 0
Base plate thickness, in.	1.00	Fixt. 2 + Arm	0 0 0 0
Base plate width, in.	19		
Pole/base fillet weld size, in.	0.25		

WIND LOAD ANALYSIS

Segment	Seg. Area, ft2	Centroid ht.	Kz	Cf	p, psf	w, lb/in	P, lbs	M, in-k	
1	5.00	5.0	0.85	1.44	38.4	1.60	314.2	18.9	
2	2.50	12.5	0.85	1.32	38.4	1.60	144.8	21.7	
Fixture @ tip	6	13.0	0.85	1	38.4		262.6	41.0	
Fixture 2 (if any)	0	0.0	0.85	1	38.4		0.0	0.0	
							$\Sigma =$	721.5	81.5

CODE-SPECIFIC FACTORS

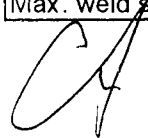
Gust Factor (G)	1.14	Wind Directionality Factor (Kd)	0.9	Topo Factor (Kzt)	1
-----------------	------	---------------------------------	-----	-------------------	---

MATERIAL & GEOMETRIC PROPERTIES

Weld Yield Strength, ksi:	60	Pole Yield Strength, ksi:	35
Bolt Yield Strength, ksi:	55	Pole Ultimate Strength, ksi:	42
Allowable shear stress (Fv), psi	29,700		
Fillet weld sect. modulus, in^3	17.5	Plate Yield Strength, ksi:	24
Shear (Dir.+Tor.) @ butt (fv), psi	165.1	Plate Ultimate Strength, ksi:	33.9

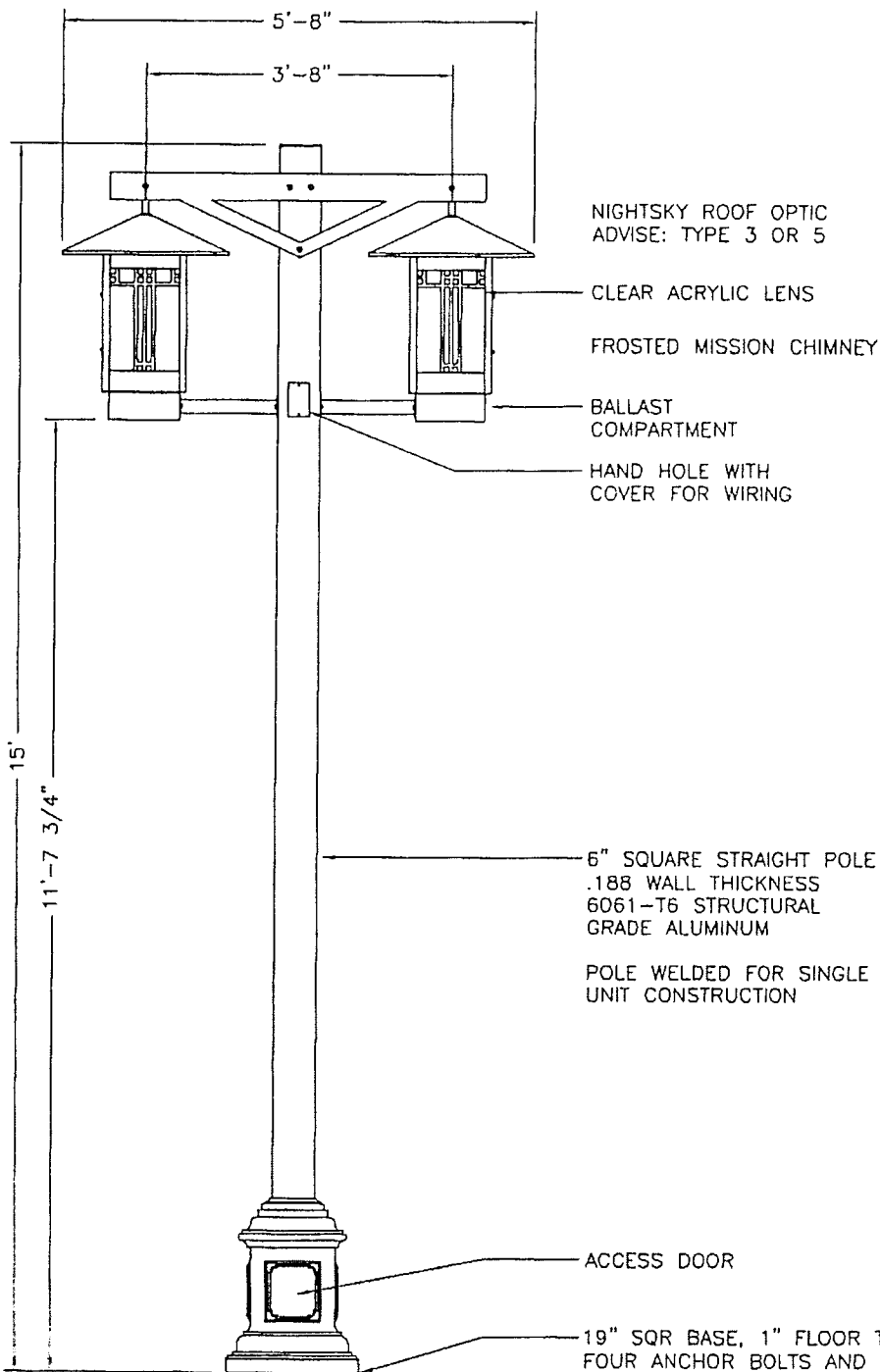
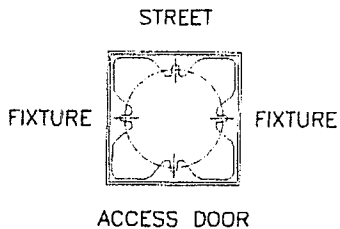
ANALYSIS RESULTS SUMMARY

Bending stress @ butt (fb), ksi	9.93	Combined Stress Ratio	0.35
Allowable bending stress (Fb), ksi	28.1	Bending stress @ butt O.K.?	YES
Max. bolt tension T, kips	4.1	Bolt tension O.K.?	YES
Plate stress, ksi	5.0	Plate stress O.K.?	YES
Max. weld stress, ksi	4.7	Max. weld stress O.K.?	YES
		Pole design OK?	YES
		Tip deflection, in.	3.52



CHRIS ARLANDSON, P.E.
FL REG. NO. 63302

FIXTURE EPA: 2.5 SQ FT / FIXTURE
 POLE AND ARM EPA: 10.65 SQ FT



ROYAL PALM BEACH COMMONS	POLE HEIGHTS HAVE A TOLERANCE OF + OR - 2"	6/16/11	DRAWING NUMBER SC13899
2-1280 / HCF / 8215SQ6	DRAWN RB	SINCE 1923	
STERNBERG			
SOCKET TYPE MEDIUM			
WATTAGE 150			
LIGHT SOURCE MHP			
VOLTAGE ADVISE			
FUSE NO FUSING			
FINISH ADVISE			