

*Valencia Water
Control District*


Agenda

February 12, 2019

AGENDA

**VALENCIA WATER CONTROL DISTRICT
NOTICE OF MEETING
OF
BOARD OF SUPERVISORS**

Please be advised that the Meeting of the Board of Supervisors of Valencia Water Control District will be held on Tuesday, February 12, 2019 at 1:00 P.M. in the **Lake Ridge Village Clubhouse, 10630 Larissa Street (Directions listed below)**. Attached is an Agenda for the meeting.



George S. Flint, District Director

DIRECTIONS TO MEETING:

From Orlando go West on I-4 to the Beach Line Expressway (528); go east past International Drive to Orangewood Blvd.; Go South on Orangewood Blvd., through 4-way stop at Gateway, turn left on Larissa Street. Proceed to Lake Ridge Village Clubhouse on right.

DISTRIBUTION

James A. Gerard; William Ingle; Ed Neal; Debra Donton; David E. Mahler; Stephen F. Broome; Green Briar Village Clubhouse; Lake Ridge Village Clubhouse; Lime Tree Village Clubhouse; Montpelier Village Clubhouse; Parkview Pointe Village Clubhouse; Somerset Village Clubhouse; Deer Creek Village Clubhouse; Wingate Club; Lyle Spector, WHOA; and Tom Johnson, Orangewood HOA; Roy Miller, Waterview HOA; and Ken LaFrance, Windsor Walk.

“Persons are advised that if they decide to appeal any decisions made at these meetings/hearings, they will need a record of the proceedings and for such purpose they may need to ensure that a verbatim record of the proceedings is made which includes the testimony and evidence upon which the appeal is to be based, per section 298.0105, Florida Statutes.”

“In accordance with the Americans with Disabilities Act, persons with disabilities needing a special accommodation should contact Valencia Water Control District at (407) 841-5524 x 101, not later than forty-eight hours prior to the meeting.”

AGENDA

February 12, 2019

VALENCIA WATER CONTROL DISTRICT
BOARD OF SUPERVISORS MEETING
1 P.M.
LAKE RIDGE VILLAGE CLUBHOUSE
10630 LARISSA STREET
WILLIAMSBURG, ORLANDO, FLORIDA 32821

Item

1. Call Meeting to Order
2. Appointment of Individual to Fullfill the Board Vacancy with a Term Ending June 2021
3. Approval of December 11, 2018 Minutes
4. General Fund Financial Reports
5. Engineer's Report
 - A. Status of Permit #0504 – Grande Pines Phase 1 – Parcel 11D
 - B. Status of Permit #0505 – Big Sand Lake Outfall
6. Attorney's Report
7. Director's Report
 - A. Discussion of Setting Budget Review Committee
 - B. Discussion of Capital Improvement Plan
8. Other Business
9. Adjournment

SECTION III

**MINUTES OF THE MONTHLY MEETING
OF THE BOARD OF SUPERVISORS
OF VALENCIA WATER CONTROL DISTRICT**

December 11, 2018

The monthly meeting of the Board of Supervisors of **VALENCIA WATER CONTROL DISTRICT** was held at 1:00 P.M. on Tuesday, December 11, 2018, in the Lake Ridge Village Clubhouse, Williamsburg Subdivision in Orlando, Florida. Present were Supervisors James Gerard, William Ingle, Ed Neal and Debra Donton. Also in attendance were the following: Stephen F. Broome, District Attorney; George S. Flint, District Director; David Mahler, District Engineer; Stacie Vanderbilt, District Administrative Assistant; Teresa Viscarra, District Accounts Payable; Brian Andrelczyk, Sea World and Roy Miller, Waterview Resident.

ITEM #1 **Call Meeting to Order**

Mr. Flint called the meeting to order at 1:00 PM.

ITEM #2 **Appointment of Individual to Fulfill the
Board Vacancy with a Term Ending June
2021**

Mr. Flint stated that historically the seat Greg Bales was in had been filled by a representative from Sea World. He stated they were currently in the process of fulfilling Mr. Bales' position at the company and hoped that by next month they would come back with a recommendation.

Mr. Andrelczyk introduced himself and confirmed Mr. Flint's statement that they hoped to be back next month with a recommendation.

ITEM #3 **Approval of September 11, 2018 Minutes**

Mr. Flint stated the next item was the minutes from the September 11, 2018 monthly meeting. He asked if there were any corrections, deletions or additions. There being none,

On MOTION by Mr. Gerard seconded and carried, with all in favor the minutes of the September 11, 2018 Monthly Meeting of the Board of Supervisors were approved.
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ITEM #4 **General Fund Financial Reports**

Ms. Viscarra stated that financials looked good, that a large disbursement was received, and the assessments were almost fully collected on the assessments.

Mr. Flint stated that these financials were into the second month of the Fiscal Year 2019.

Mr. Neal asked about the assessment collection process and how much gets collected.

Mr. Flint explained the current assessment amount of \$61.52 gets collected on a per unit basis of all the properties within the boundaries of the District on the Orange County tax bills.

The District's financial reports for the period ending 11/30/18 were accepted as distributed.

ITEM #5

Engineer's Report

A. Presentation and Discussion of Capital Improvement Plan

Mr. Flint stated that he asked Mr. Mahler to put together a cost estimate of various projects that needed to be done. He stated that the next step would be prioritizing the list by urgency and by funds available and how they can be allocated.

Mr. Mahler stated that some of the items on the list were found during the last site visit that was done and that some were estimated. He stated he and Mr. Flint would continue to work on the list.

ITEM #6

Attorney's Report

There being none, next item followed.

ITEM #7

Director's Report

A. Consideration of Non-Ad Valorem Assessment Administration Agreement with the Orange County Property Appraiser

Mr. Flint stated that annually this agreement is sent by the Orange County Property Appraiser to prepare the roll for the District to collect assessments.

Mr. Gerard asked if Mr. Singh's name would be removed from it.

Mr. Flint stated he could ask if they will revise the agreement but that it was with the Orange County Property Appraiser, not Mr. Singh personally.

On MOTION by Mr. Ingle seconded and carried, with all in favor the Agreement with the Orange County Property Appraiser for Non-Ad Valorem Assessment Administration was approved.

B. Presentation of Call Log

Mr. Flint reviewed the log for the Board. He also stated that he approved a proposal from Aquatic Management Strategies to stock fish in the ponds and would update them on the status as there were some grates that needed to be repaired and he would be receiving proposals for the repairs.

ITEM #8

Other Business

There being none,

ITEM #9

Adjournment

On MOTION by Ms. Donton, seconded and carried with all in favor the meeting was adjourned at 1:15 p.m.

Stephen F. Broome, Secretary

James A. Gerard

William Von Ingle

Ed Neal

Debra Donton

SECTION IV

Valencia Water Control District
Balance Sheet
 As of January 31, 2019

	Jan 31, 19
ASSETS	
Current Assets	
Checking/Savings	
101200 · SunTrust Bank - Checking	493,303.15
101210 · Suntrust-Money Market Account	100,431.23
101400 · Cash- Reserves	153,233.44
101500 · Cash - Operating	51,077.80
102000 · Cash on hand	100.00
Total Checking/Savings	798,145.62
Accounts Receivable	
115000 · Accounts Receivable	-9,538.30
Total Accounts Receivable	-9,538.30
Total Current Assets	788,607.32
Fixed Assets	
164000 · Land	700,120.00
164190 · Structures	672,531.00
164290 · Canale	2,888,690.00
164590 · Ponds	1,245,537.00
188190 · Equipment & Office furniture	12,767.28
199000 · Accumulated Depreciation	-4,750,265.98
Total Fixed Assets	769,379.30
TOTAL ASSETS	1,557,986.62
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
202001 · Accounts payable	-1,051.68
Total Accounts Payable	-1,051.68
Other Current Liabilities	
217300 · FUTA/SUTA payable	27.00
Total Other Current Liabilities	27.00
Total Current Liabilities	-1,024.68
Total Liabilities	-1,024.68
Equity	
271000 · Fund balance-unreserved	384,105.24
271020 · Fund balance-unreserved-002	4,900.00
271100 · Fund Balance -Reserved	
271130 · Canals & Pond Maintenance	18,356.42
Total 271100 · Fund Balance -Reserved	18,356.42
280100 · Net Assets Capitalized	866,157.39
Net income	305,492.25
Total Equity	1,559,011.30
TOTAL LIABILITIES & EQUITY	1,557,986.62

Valencia Water Control District
Profit & Loss Budget vs. Actual
 October 2018 through January 2019

	Oct '18 - Jan 19	Budget	\$ Over Budget
Ordinary Income/Expense			
Income			
319100 · Drainage tax assessment	400,767.57	375,000.00	25,767.57
361001 · Interest earnings - GF	1,752.77	0.00	1,752.77
369000 · Other miscell. revenue	96.70	0.00	96.70
Total Income	<u>402,617.04</u>	<u>375,000.00</u>	<u>27,617.04</u>
Gross Profit	402,617.04	375,000.00	27,617.04
Expense			
511200 · Supervisor Compensation	200.00	750.00	-550.00
524000 · Workers' compensation	0.00	600.00	-600.00
531000 · Assessment Roll Certification	2,500.00	2,500.00	0.00
531100 · Management Fees	16,266.68	16,266.64	0.04
531200 · Engineering services	4,200.00	12,400.00	-8,200.00
531300 · Legal services	4,000.00	4,000.00	0.00
531600 · Website Creation/Maintenance	200.00	200.00	0.00
531700 · Report Preparation - NPDES	1,590.00	8,333.32	-6,743.32
534100 · Aquatic weed control	18,449.63	11,666.64	6,782.99
534200 · Canal & retention pond	4,000.00	58,333.32	-54,333.32
534300 · Mowing	16,992.18	17,000.00	-7.82
534400 · Water quality monitoring	3,291.00	6,738.00	-3,447.00
534500 · Janitorial	393.00	666.64	-273.64
540000 · Travel & per diem	0.00	66.64	-66.64
541100 · Freight	0.00	66.64	-66.64
541200 · Postage	54.99	166.64	-111.65
541500 · Internet	539.56	500.00	39.56
543000 · Utility services	99.17	333.32	-234.15
544000 · Office Lease	4,326.72	4,326.64	0.08
544300 · Meeting Room Rental	50.00	150.00	-100.00
545000 · Insurance	11,000.00	12,650.00	-1,650.00
546300 · R&M - office	45.00	250.00	-205.00
546400 · R&M - security gates & signs	0.00	250.00	-250.00
547000 · Printing & binding	37.05	166.64	-129.59
549300 · Other chgs-miscellaneous	0.00	133.32	-133.32
549400 · Other chgs-NPDES	1,875.00	800.00	1,075.00
549500 · Other chgs-legal advertising	0.00	400.00	-400.00
549600 · Other chgs- Banking Fees	0.00	100.00	-100.00
549700 · Other chgs-O.C. TaxColl	0.00	166.64	-166.64
549900 · Other Chrgs-OC Prop. Appr. Fee	5,388.00	5,408.00	-20.00
551000 · Office Supplies	451.81	333.32	118.49
552100 · Operating supplies	0.00	166.64	-166.64
554000 · Pubs, subscrips & members	1,175.00	2,150.00	-975.00
581000 · Transfer Out - Reserves	0.00	50,000.00	-50,000.00
Total Expense	<u>97,124.79</u>	<u>218,039.00</u>	<u>-120,914.21</u>
Net Ordinary Income	<u>305,492.25</u>	<u>156,961.00</u>	<u>148,531.25</u>
Net Income	<u>305,492.25</u>	<u>156,961.00</u>	<u>148,531.25</u>

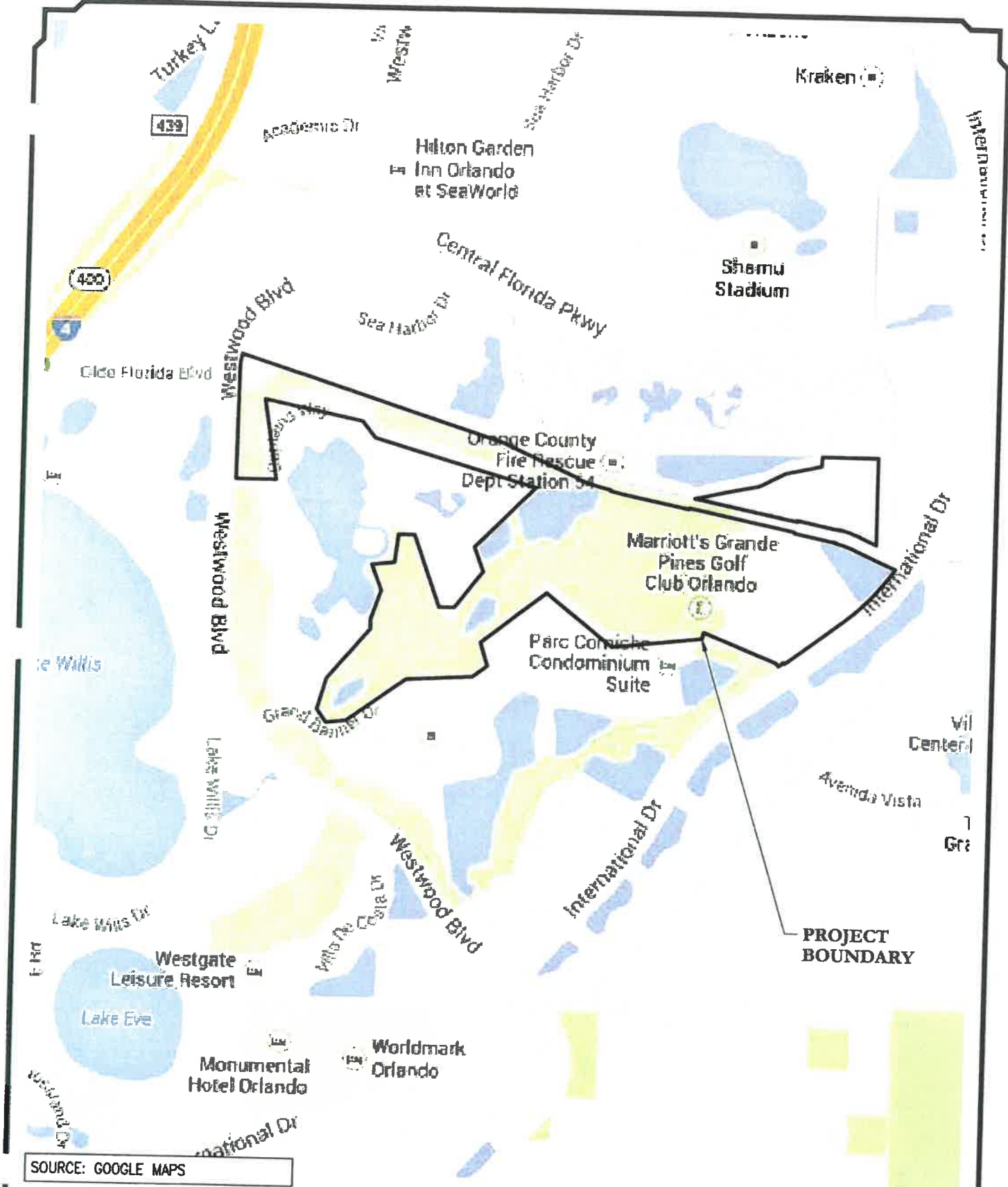
1:30 PM
 02/05/19
 Accrual Basis

Valencia Water Control District
Profit & Loss
 October 2018 through January 2019

	Oct 18	Nov 18	Dec 18	Jan 19	TOTAL
Ordinary Income/Expense					
Income					
319100 · Drainage tax assessment	0.00	6,506.27	347,369.22	46,892.08	400,767.57
361001 · Interest earnings - GF	414.50	412.09	451.62	474.56	1,752.77
369000 · Other miscell. revenue	0.00	96.70	0.00	0.00	96.70
Total Income	<u>414.50</u>	<u>7,015.06</u>	<u>347,820.84</u>	<u>47,366.64</u>	<u>402,617.04</u>
Gross Profit	414.50	7,015.06	347,820.84	47,366.64	402,617.04
Expense					
511200 · Supervisor Compensation	0.00	0.00	200.00	0.00	200.00
531000 · Assessment Roll Certification	0.00	2,500.00	0.00	0.00	2,500.00
531100 · Management Fees	4,066.67	4,066.67	4,066.67	4,066.67	16,266.68
531200 · Engineering services	2,100.00	2,100.00	0.00	0.00	4,200.00
531300 · Legal services	1,000.00	1,000.00	1,000.00	1,000.00	4,000.00
531600 · Website Creation/Maintenance	50.00	50.00	50.00	50.00	200.00
531700 · Report Preparation - NPDES	1,590.00	0.00	0.00	0.00	1,590.00
534100 · Aquatic weed control	6,412.88	7,599.25	2,218.75	2,218.75	18,449.63
534200 · Canal & retention pond	1,000.00	1,000.00	2,000.00	0.00	4,000.00
534300 · Mowing	13,196.04	3,796.14	0.00	0.00	16,992.18
534400 · Water quality monitoring	1,645.50	0.00	1,645.50	0.00	3,291.00
534500 · Janitorial	131.00	131.00	131.00	0.00	393.00
541200 · Postage	42.30	4.08	4.23	4.38	54.99
541500 · Internet	134.90	134.90	134.90	134.86	539.56
543000 · Utility services	24.64	24.86	24.86	24.81	99.17
544000 · Office Lease	1,081.68	1,081.88	1,081.68	1,081.68	4,326.72
544300 · Meeting Room Rental	0.00	0.00	50.00	0.00	50.00
545000 · Insurance	11,000.00	0.00	0.00	0.00	11,000.00
546300 · R&M - office	0.00	45.00	0.00	0.00	45.00
547000 · Printing & binding	21.30	0.00	0.00	15.75	37.05
549400 · Other chgs-NPDES	0.00	0.00	1,875.00	0.00	1,875.00
549900 · Other Chrgs-OC Prop. Appr. Fee	5,388.00	0.00	0.00	0.00	5,388.00
551000 · Office Supplies	314.92	116.41	0.27	20.21	451.81
554000 · Pubs, subscrips & members	1,175.00	0.00	0.00	0.00	1,175.00
Total Expense	<u>50,374.83</u>	<u>23,649.99</u>	<u>14,482.86</u>	<u>8,617.11</u>	<u>97,124.79</u>
Net Ordinary Income	<u>-49,960.33</u>	<u>-16,634.93</u>	<u>333,337.98</u>	<u>38,749.53</u>	<u>305,492.25</u>
Net Income	<u>-49,960.33</u>	<u>-16,634.93</u>	<u>333,337.98</u>	<u>38,749.53</u>	<u>305,492.25</u>

SECTION V

SECTION A



SOURCE: GOOGLE MAPS

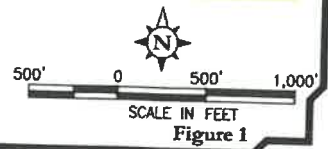
Location Map
Grande Pines

September 20, 2018
 P & B Job No.: 18-007

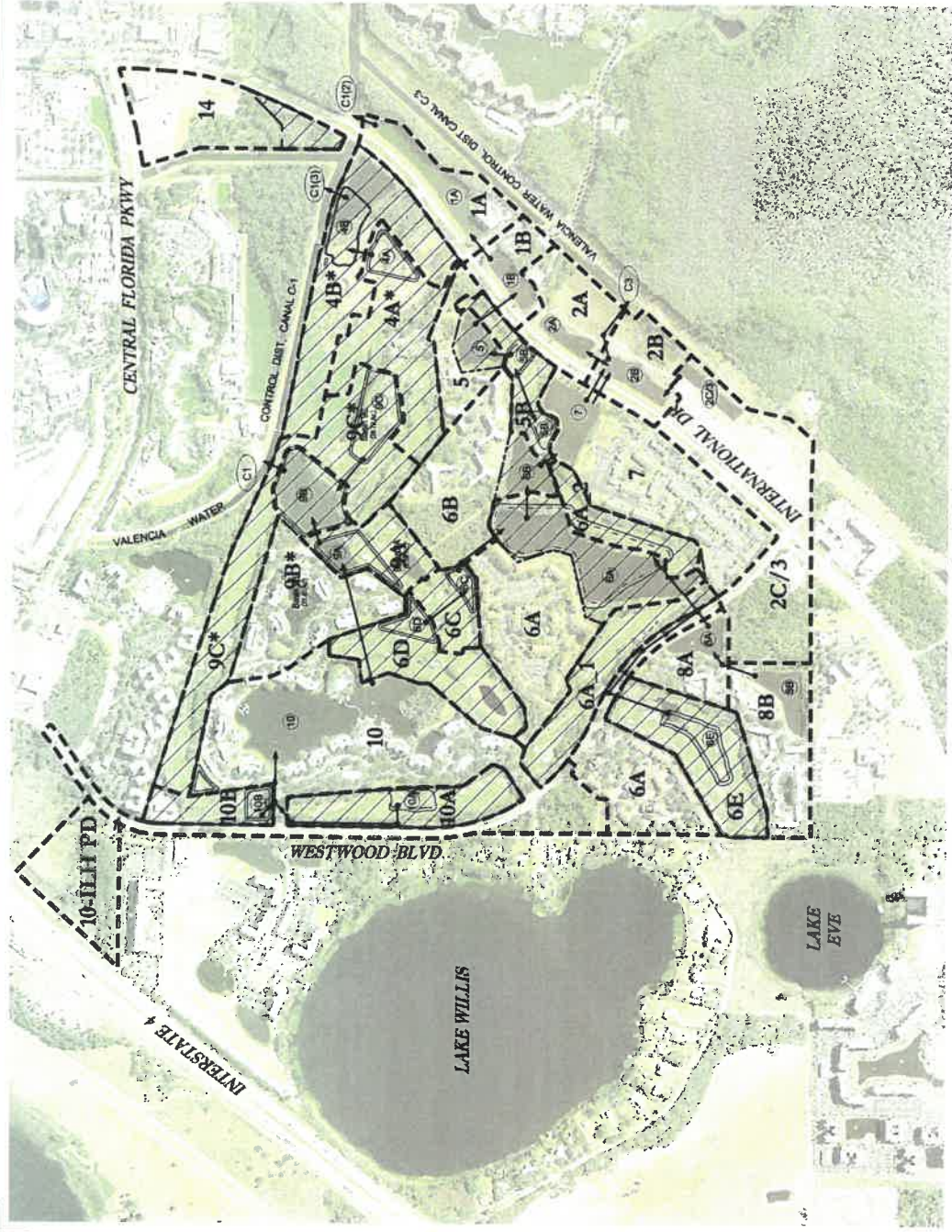
2602 E. Livingston Street
 Orlando, Florida 32813 • 407.487.2504

POULOS & BENNETT

www.poulosandbennett.com
 Certificate of Authorization No. 28567



25/2018/18-007 P&B SOURCE - GRANDE PINES OFFICIAL/DM & P&B/18-007 EXHIBIT 1 - LOCATION



Park Square Property Land Use

Basin ID	Drainage Area (Ac)	Proposed Land Use
4A*	19.46	Single-Family
4B*	22.88	Single-Family/Commercial
5B	7.41	Multi-Family/Commercial
6A,1	18.28	Multi-Family
6A,2	8.82	Open Space
6C	8.00	Single-Family
6E	15.05	Single-Family
6A	16.44	Multi-Family
6A	8.59	Single-Family
9C*	29.79	Single-Family
10A	11.99	Multi-Family
12B	5.87	Commercial
TOTAL	166.27	

* Basins with ponds being retained under the permits.

- LEGEND**
- PROPERTY BOUNDARY
 - DRAINAGE BASIN
 - RADE EASEMENT
 - Basin ID
 - WATER/POD ID
 - SEWERAGE POINT/TREATMENT
 - PROPERTY AREA
 - PROPOSED TOP
 - EXISTING TOP
 - POD NO.



SCALE IN FEET
800' 400' 200'

Post-Development Conditions Basin Map
Grande Pines Golf Course Redevelopment

POULOS & BENNETT
2603 E. Livingston Street
Orlando, Florida 32803 - 407.487.2394
www.poulosandbennett.com
Certificate of Authorization No. 28597

October 2, 2018
P & B Job No.: 18007

THIS DOCUMENT IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE

SECTION B

Permit No. 0505
(Assigned by V.W.C.D.)

PERMIT APPLICATION
Valencia Water Control District
c/o CPH, Inc.
1117 E. Robinson Street
Orlando, FL 32801
VWCD Office: (407) 841-5524 X 101 CPH, Inc. (407) 425-0452

- (1) PROPOSED USE: Outfall modifications from Big Sand Lake to VWCD C1 Canal.
- (2) LOCATION OF WORK: Block: _____ Lot: _____ Subdivision: _____
or Section: 11 Township: T 24 S Range: R 28 E
- (3) DISTRICT WORKS INVOLVED: Big Sand Lake Outfall System (Big Sand Lake to VWCD C1 Canal). A new connection to the 48" pipe network from the I-4 Interchange with Central Florida starting approximately 600' W of Westwood Blvd to VWCD C1 Canal.
- (4) OWNER OF PROPOSED WORK OR STRUCTURE: Phone #: 407-836-7990
Name: Mike Drozeck P.E., Orange County, Public Works Dept. Title: Stormwater Manager
Address: 4200 S John Young Parkway, Orlando, FL, 32839
(Street) (City) (State) (Zip)
- (5) APPLICATION OTHER THAN OWNER: (if any) Phone #: 321-249-9361
Name: Thomas Amstadt P.E., Geosyntec Consultants, Inc. Serving as: Registered Professional Consultant
Address: 1511 East State Road 434, Suite 1005, Winter Springs, FL, 32708
(Street) (City) (State) (Zip)
- (6) AREA PROPOSED TO BE SERVED: Give legal description and size in acres. Attach legal description if necessary. If land is platted, indicate Block, Lot and Subdivision. Starting at Big Sand Lake Outfall along Orange County Easement, through/ under I-4 in FDOT R/W, and connecting to existing manhole on Central FL Parkway (existing outfall). Proposed modifications are part of the I-4 Beyond the Ultimate Project.
- (7) CONSTRUCTION SCHEDULE: The proposed work, if permitted, will begin within 365 Calendar days of permit approval and be completed within 913 calendar days thereafter.
- (8) This application, including sketches, drawings or plans and specifications attached contains a full and complete description of work proposed or use desired of the above described facilities of the District and for which permit is herewith applied. It shall be a part of any permit that may be issued. It is agreed that all work or the use of the District's facilities will be in accordance with the permit to be granted.

Submitted this 24 day of OCT, 2018.

Signature of Property Owner (Officer of Corporation): Michael J. Drozeck

Print Name of Property Owner (Officer): Mike Drozeck



CONSTRUCTION PLANS FOR BIG SAND LAKE OUTFALL

CONTRACT NO.: Y15-900C

DISTRICT NO: 1
ORANGE COUNTY, FLORIDA

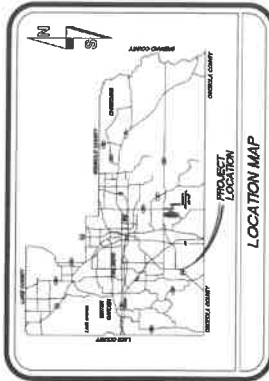
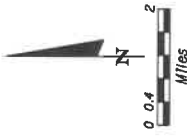
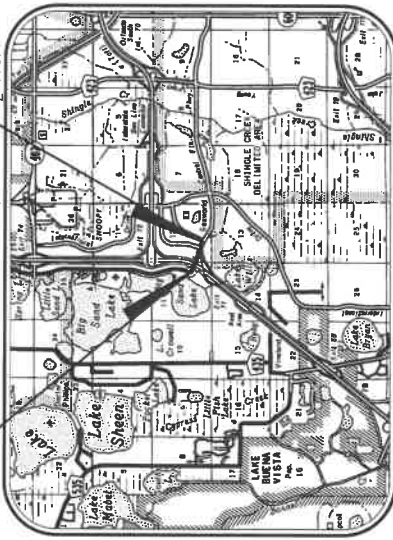
SOURCE OF BENCHMARK DATUM

REFERS TO FPLD 24284-7-32-01
FOR BENCHMARK DATUMS

PROJECT LENGTH:	FEET	MILES
ROADWAY:	1805	0.342
EXIST. BRIDGES:	0.00	0.000
TOTAL LENGTH:	1805	0.342

BEGIN PROJECT
BEGIN CONST.
STA. 569+74.08
& EBCFP_EXT.

END PROJECT
END CONST.
STA. 571+79.32
& EBCFP



INDEX OF SHEETS

SHEET	KEY SHEET	DESCRIPTION
1	1	GENERAL NOTES
2	2	PROJECT LAYOUT
3	3	GENERAL NOTES
4-5	4-5	CONCRETE MAN & PROFILE PROPOSED OUTFALL WITH 4' RISE
6-7	6-7	DRAINAGE STRUCTURES
8-23	8-23	DRAINAGE DETAILS

UTILITIES ENCOUNTERED
REFER TO FPLD 24284-7-32-01
FOR ENCOUNTERED UTILITIES

NOTE

PLANS WERE PREPARED ACCORDING TO AVAILABLE INFORMATION TO ADEQUATELY ADDRESS CONDITIONS AS THEY EXISTED AT THE TIME OF PLANS PREPARATION. NEEDS, CONDITIONS AND OWNERSHIP OF PROPERTIES MAY HAVE CHANGED SINCE THE DATE OF PLANS PREPARATION. THE CONTRACTOR SHALL VERIFY ALL UTILITIES AND ADDRESS ANY CHANGES AND NEEDS WITH THE PROPERTY OWNER OR THEIR REPRESENTATIVES. CONTRACTOR SHALL WORK WITH THE COUNTY'S REPRESENTATIVE IN ADDRESSING AND MEETING NEEDS AND CONDITIONS THAT MAY HAVE CHANGED SINCE PLANS PREPARATION.

CERTIFICATION TO PLANS

I HEREBY CERTIFY THAT THE DESIGN FOR THIS PROJECT AND THE ATTACHED CONSTRUCTION PLANS COMPLY WITH THE REQUIREMENTS OF SECTION 336.06 OF THE FLORIDA STATUTES AND ARE IN SUBSTANTIAL CONFORMANCE WITH THE STANDARDS CONTAINED IN THE EDITION OF THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS" IN EFFECT ON THIS DATE AS ADOPTED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION PURSUANT TO SUBSECTION 336.04(4) OF THE FLORIDA STATUTES.

DATE: _____ ENGINEER: _____

TERESA JACOBS, COUNTY MAYOR
BOARD OF COUNTY COMMISSIONERS

- BETSY VANDERLEY
- ROD LOVE
- PETE CLARKE
- JENNIFER THOMPSON
- EMILY BONILLA
- VICTORIA SIPLIN
- MARK MASSARO, P.E. PUBLIC WORKS DIRECTOR

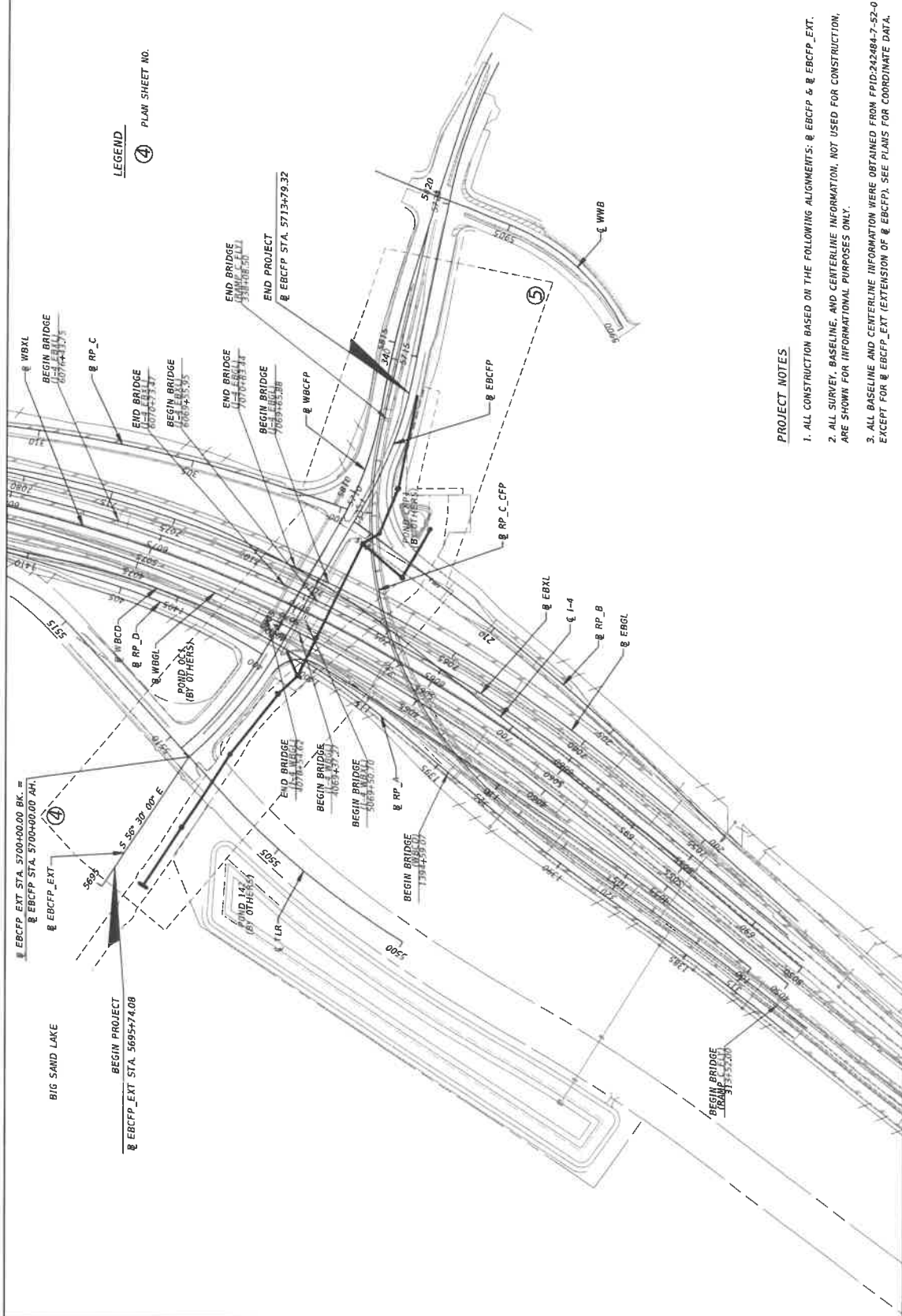
PREPARED BY:
THE RAJAPAL GROUP
10000 WINDY HILL ROAD
WINTER PARK, FL 32789
TEL: 407-425-2800
WWW.RAJAPAL.COM



REVISIONS	DATE	BY

DESIGNED BY	DATE

SHEET 1
OF 22



PROJECT NOTES

1. ALL CONSTRUCTION BASED ON THE FOLLOWING ALIGNMENTS: EBCFP & EBCFP_EXT.
2. ALL SURVEY, BASELINE, AND CENTERLINE INFORMATION, NOT USED FOR CONSTRUCTION, ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
3. ALL BASELINE AND CENTERLINE INFORMATION WERE OBTAINED FROM EPID:242484-7-52-01, EXCEPT FOR EBCFP_EXT (EXTENSION OF EBCFP). SEE PLANS FOR COORDINATE DATA.

DATE	DESCRIPTION	DATE	DESCRIPTION



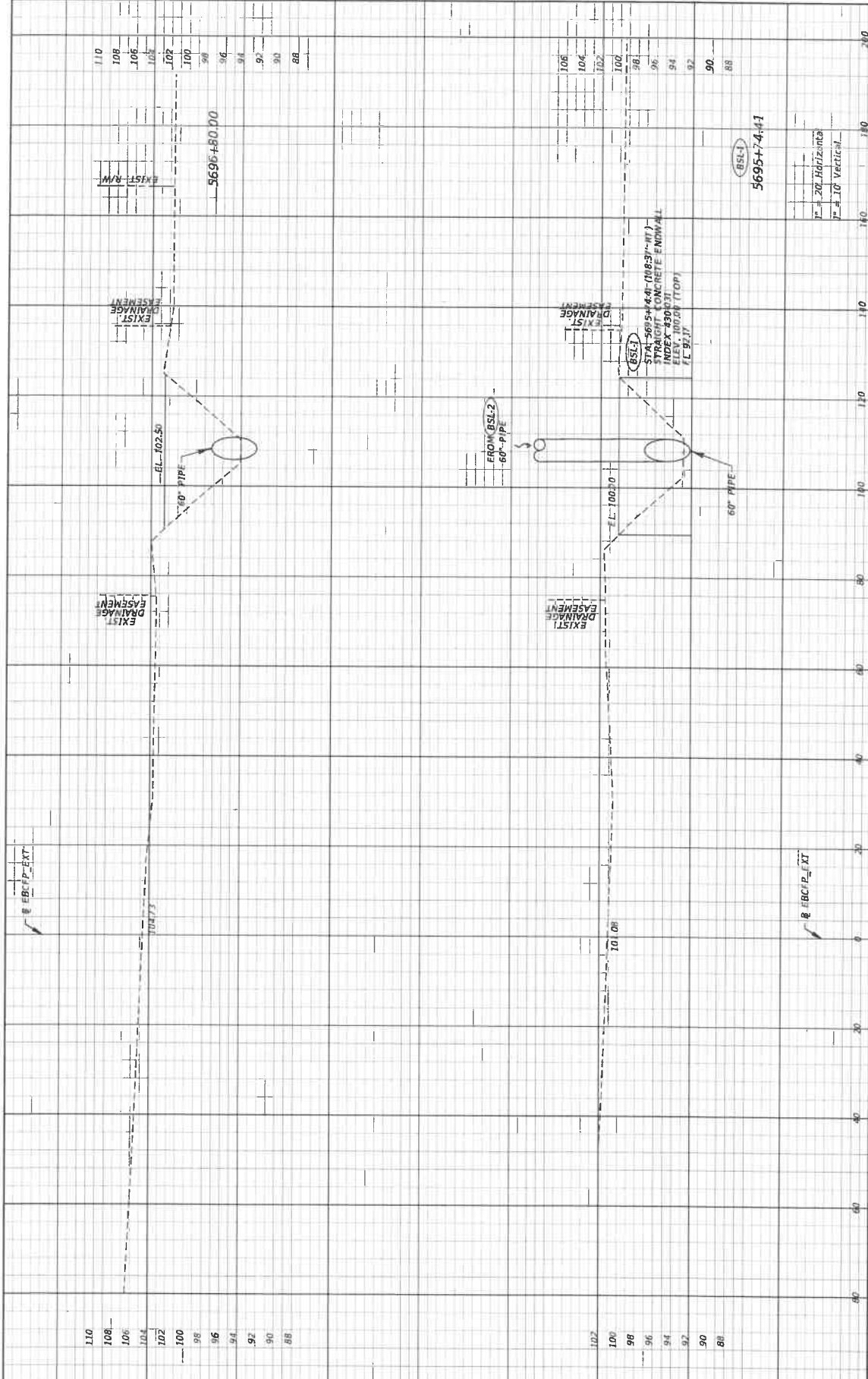
**ORANGE COUNTY
GOVERNMENT
FLORIDA**

11/29/2018 10:57:22 AM
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The National Group
10000 W. Lake Mead Blvd.
Winter Park, FL 32789
Phone: (407) 659-2188
www.nationalgroup.us
County of Orange, Florida
B.O.R.: Gregory S. Sudda, P.E., No. 41571

PROJECT LAYOUT

SHEET NO. **2**



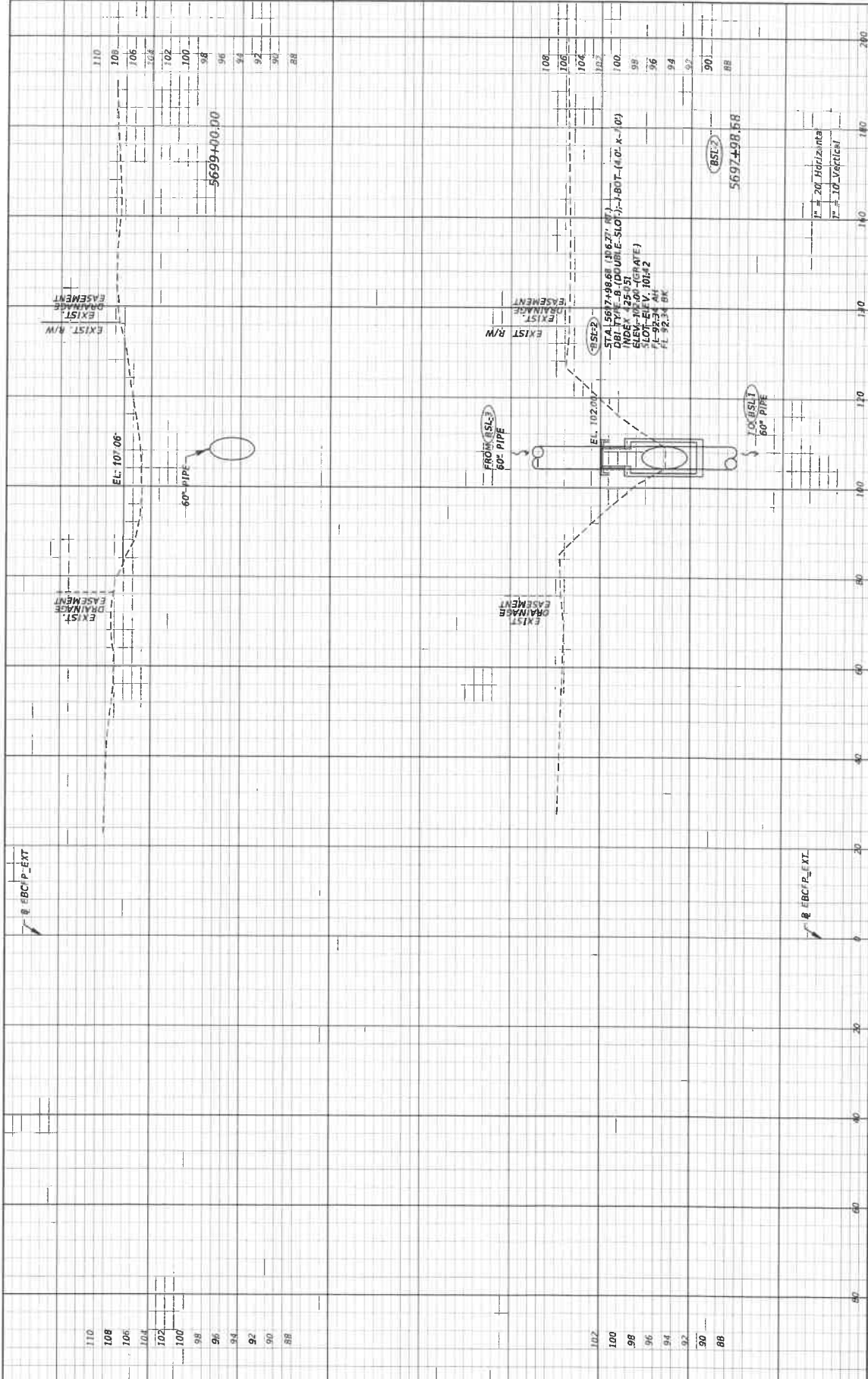
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

The National Group
 Winter Park, FL 32789
 Phone: (407) 659-2185
 www.nationalgroup.com
 Certified Professional Engineer
 E.O.R. Gregory, S. Seid, P.E. No. 45571



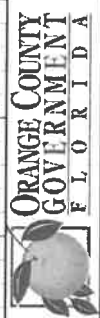
DRAINAGE STRUCTURES

SHEET NO. 6



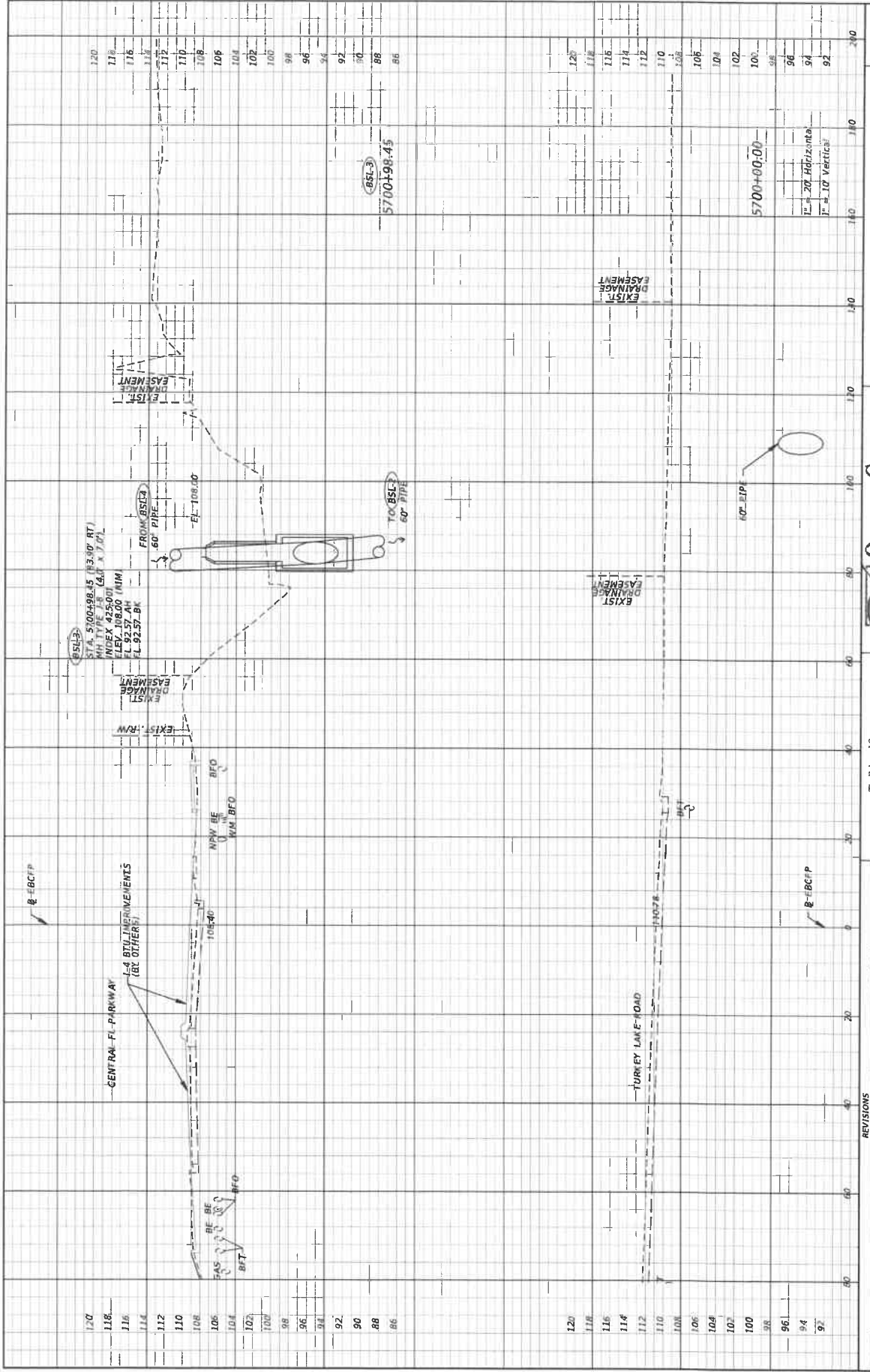
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

The Rational Group
 100
 Winter Park, FL 32789
 Phone: (877) 650-2185
 Fax: (407) 650-2185
 www.rationalgroup.com
 Certified Professional Engineer No. 26138
 R.O.H., Gregory S. Suddell, P.E. No. 41571



DRAINAGE STRUCTURES

SHEET NO. 7



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

The Balanced Group
 Winter Park, FL 32789
 Phone: (407) 699-2885
 Fax: (407) 699-2886
 Certified Professional Engineer No. 20123
 B.O.R.: Gregory S. Spickard, P.E. No. 47571



DRAINAGE STRUCTURES

SHEET NO. 8



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

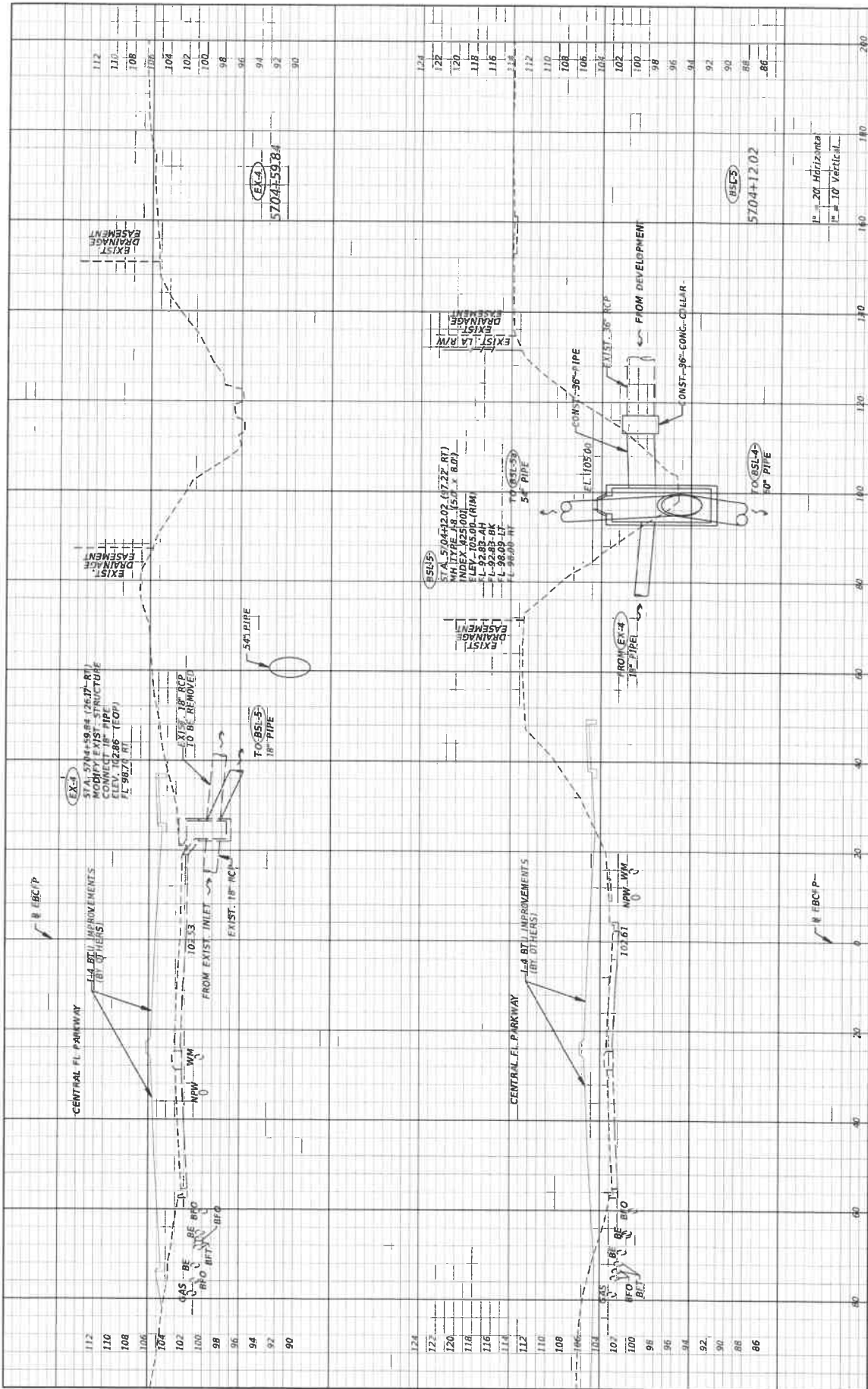
The Balanced Group
 Whorser Park, FL 32789
 Phone: (407) 659-2185
 www.balancedgroup.com
 Certified Professional Engineer, No. 9613
 E.O.R. Gregory S. Salski, P.E., No. 4571



**ORANGE COUNTY
 GOVERNMENT
 FLORIDA**

DRAINAGE STRUCTURES

SHEET NO. 10



(EX-1)
 STA. 57+49.84 (2617-RT)
 MODIFY EXIST. STRUCTURE
 CONNECT 18" PIPE
 TO 286 (EOT)
 ELEV. 92.21 (A)

(56L5)
 STA. 57+04+92.02 (3722-RT)
 INDEX 425.00
 ELEV. 105.00 (RIM)
 L. 92.83 (A)
 L. 92.00 (B)
 L. 92.00 (C)
 L. 92.00 (D)
 L. 92.00 (E)
 L. 92.00 (F)
 L. 92.00 (G)
 L. 92.00 (H)
 L. 92.00 (I)
 L. 92.00 (J)
 L. 92.00 (K)
 L. 92.00 (L)
 L. 92.00 (M)
 L. 92.00 (N)
 L. 92.00 (O)
 L. 92.00 (P)
 L. 92.00 (Q)
 L. 92.00 (R)
 L. 92.00 (S)
 L. 92.00 (T)
 L. 92.00 (U)
 L. 92.00 (V)
 L. 92.00 (W)
 L. 92.00 (X)
 L. 92.00 (Y)
 L. 92.00 (Z)

(56E5)
 5704+12.02

1" = 20' Horizontal
 1" = 10' Vertical

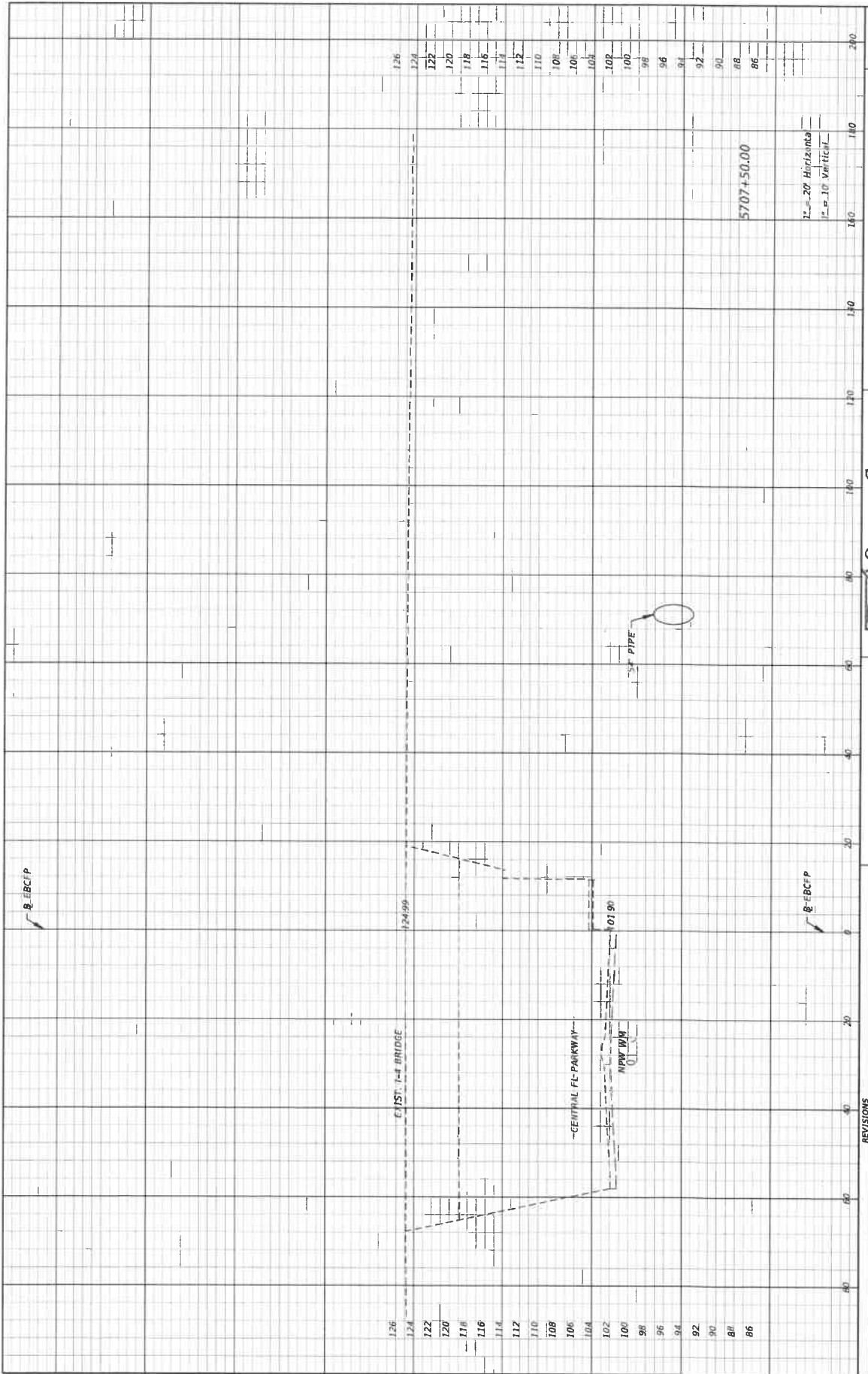
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

The Balanced Group
 Winter Park, FL 32789
 Phone: (407) 659-2185
 www.balancedgroup.com
 E.O.R.: Gregory S. Solda, P.E. No. 41571



DRAINAGE STRUCTURES

SHEET NO. 11



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

The Balance Group
 100 West Orange
 Winter Park, FL 32789
 Phone: (407) 626-2885
 www.balancedgroup.com
 Office: (407) 626-2885
 E.O.R. Gregory, S. Sudd, P.E. No. 4571



**ORANGE COUNTY
 GOVERNMENT
 FLORIDA**

DRAINAGE STRUCTURES

SHEET NO. 13



BSL-5
 STA-5708+80.97 (6135'-RT)
 MH-TYPE-J-B (5.0'-D)
 CONNECT-EXIST. 42" RCP
 ELEV. 104.52 (RIM)
 FH 92.64 (HT)
 FL 98.00 (BT)
 PL 93.84 (BT)

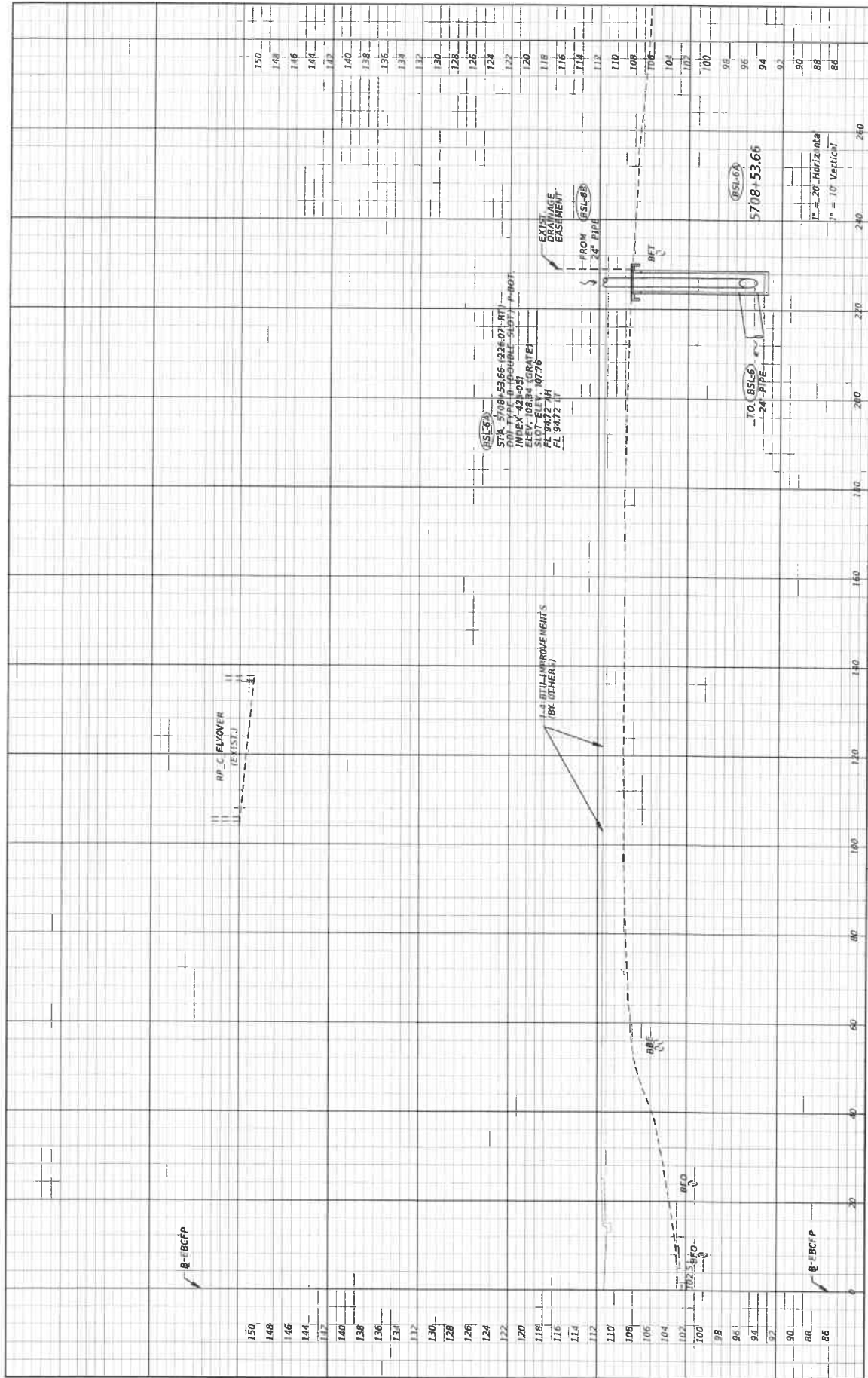
-4 BILD INVOLEMENTS
 (BY OTHER)

BSL-5
 5708+80.97

1" = 20' Horizontal
 1" = 10' Vertical

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

 ORANGE COUNTY GOVERNMENT FLORIDA	
The Blizard Group Winter Park, FL 32789 Phone: (407) 509-2185 www.theblizardgroup.com Certified Professional Engineer, No. PA123 E.O.R.: Gregory S. Sudd, P.E., No. 47571	
DRAINAGE STRUCTURES	
SHEET NO.	14



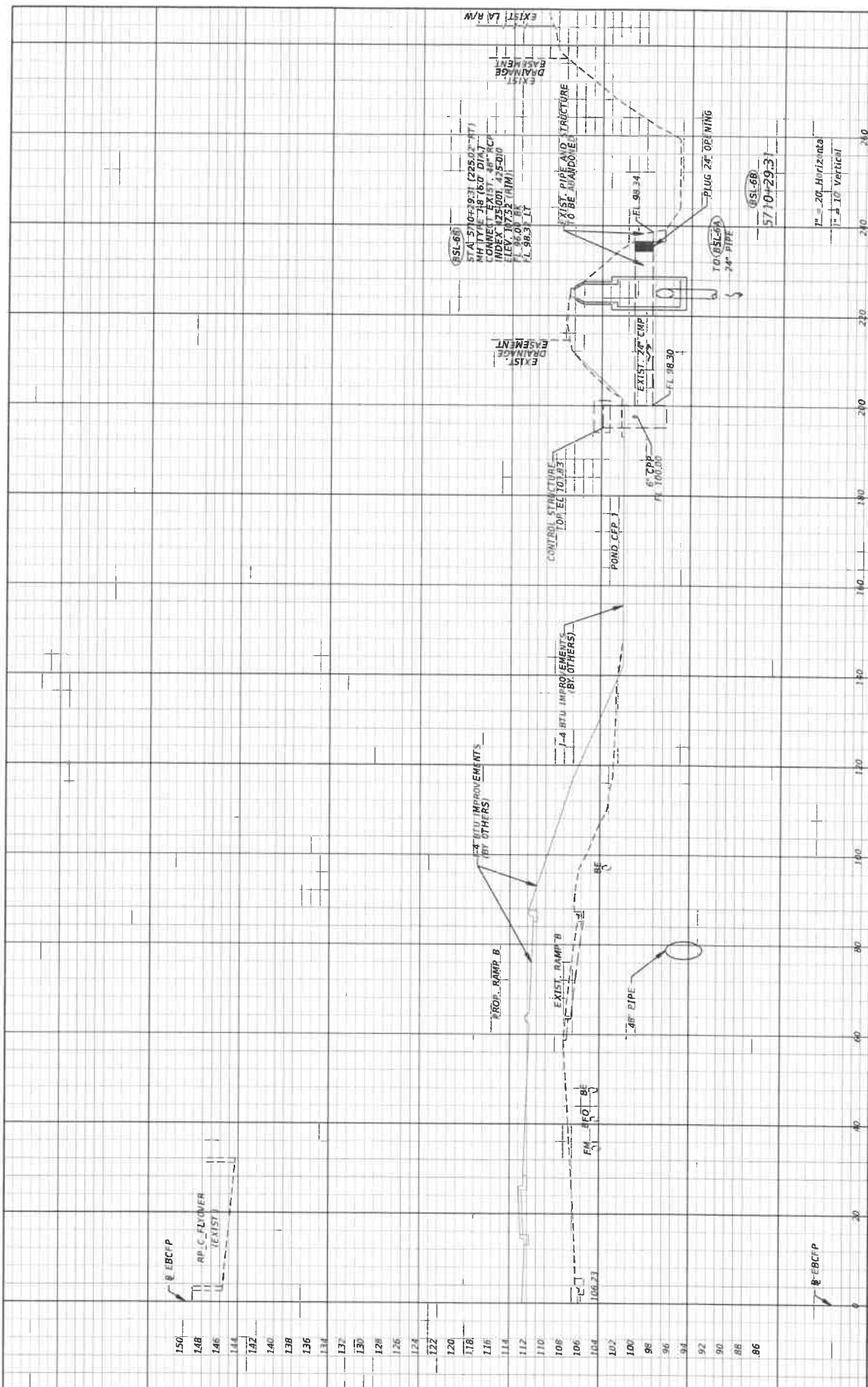
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

The Blument Group
 165 South Orange Ave.
 Winter Park, FL 32789
 Phone: (407) 629-2185
 www.blumentgroup.com
 County of Orange, Florida, P.E. No. 46145
 E.O.R.I.D.A. No. 85751



**ORANGE COUNTY
 GOVERNMENT**
 F L O R I D A

DRAINAGE STRUCTURES



DATE	DESCRIPTION	DATE	DESCRIPTION

REVISIONS

NO.	DATE	DESCRIPTION
150		
148		
146		
144		
142		
140		
138		
136		
134		
132		
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108		
106		
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102		
100		
98		
96		
94		
92		
90		
88		
86		

**ORANGE COUNTY
GOVERNMENT
FLORIDA**

The Blumenthal Group
Winter Park, FL 32789
Phone: (407) 625-2185
www.blumenthalgroup.com
Certified Professional Engineer No. 66323
E.O.R., Gregory S. Sedell, P.E. No. 47571

DRAINAGE STRUCTURES

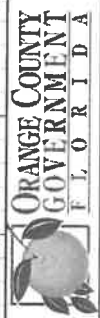
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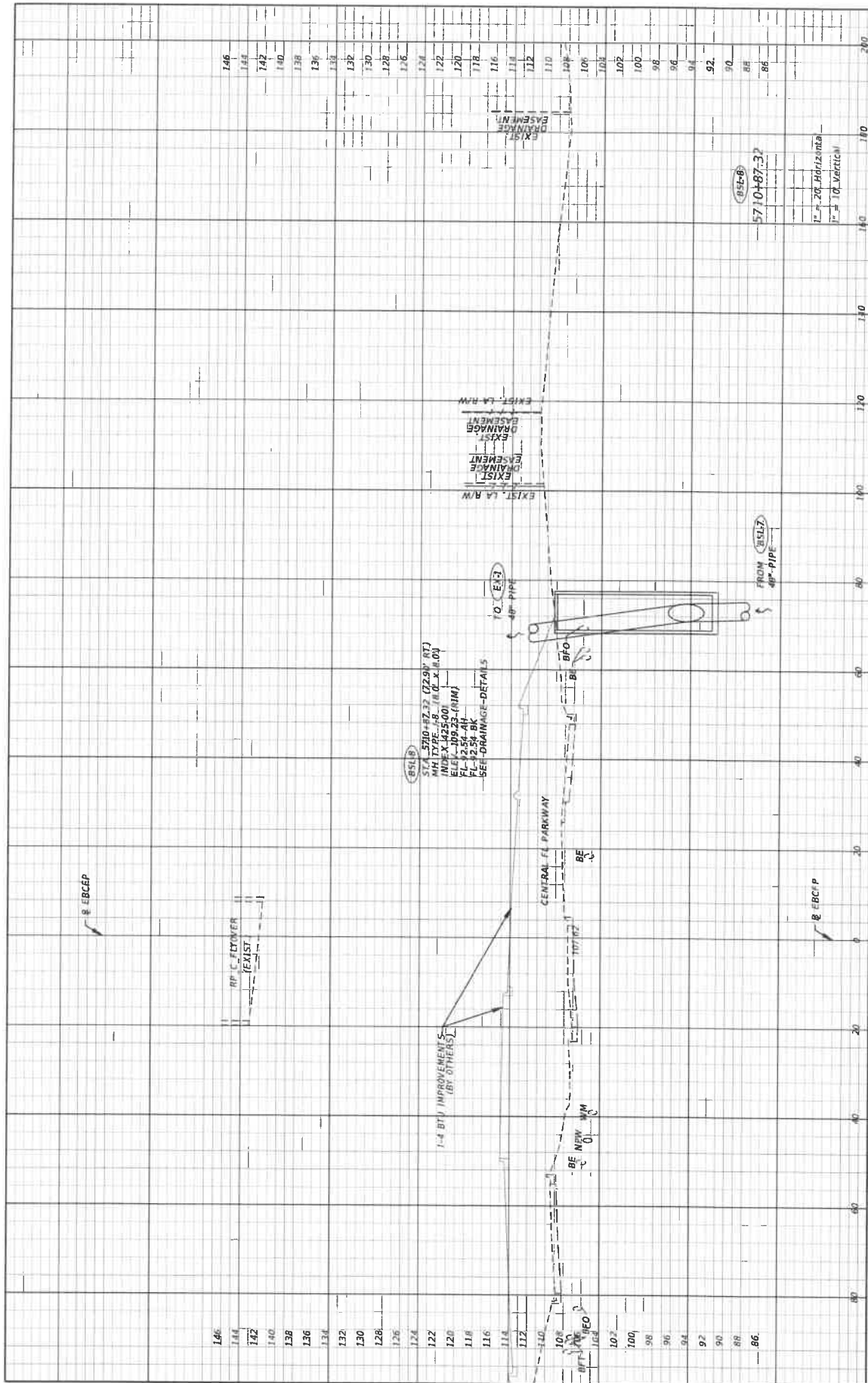
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

The Plained Group
 Winter Park, FL 32789
 Phone: (407) 659-2188
 Fax: (407) 659-2189
 Certificate of Approval No. 24129
 E.O.R. - Gregory S. Soida, P.E., No. 47571



DRAINAGE STRUCTURES

SHEET NO. 17



(BSL-R)
 STA. 570+82.32 (72.9' RT)
 MH TYPE - 60" (R.O. x R.O.)
 ELEV. - 109.25' (M)
 FL - 82.54' (H)
 FL - 82.54' (B)
 SEE DRAINAGE-DETAILS


(BSL-R)
 5710+87.32

FROM (BSL-R)
 4\"/>

DATE	DESCRIPTION	DATE	DESCRIPTION

REVISIONS

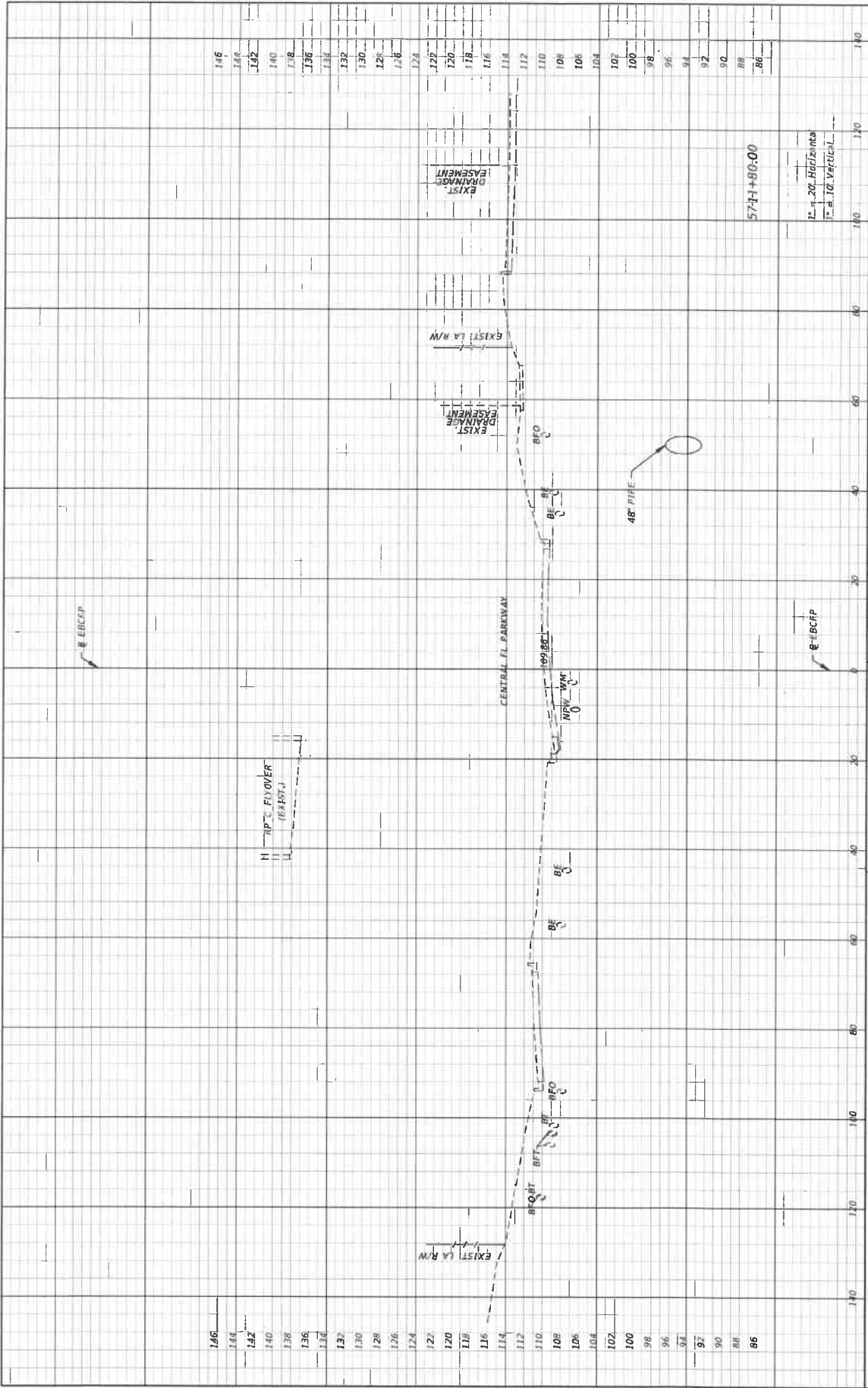
The Rational Group
 Winter Park, FL 32789
 Phone: (407) 626-2185
 www.rationalgroup.com
 Certified Professional Engineer
 P.E. No. 0571


ORANGE COUNTY GOVERNMENT
FLORIDA

DRAINAGE STRUCTURES

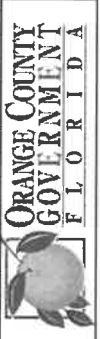
SHEET NO. 18

11/29/2018 10:57:28 AM G:\CE_Big_Sand_Lake_04\1\34246\Drawings\ORANGE001.dwg



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

The Rational Group
 165 Lincoln Avenue
 Winter Park, FL 32789
 Phone: (407) 626-2855
 Certificate of Authorization No. 26123
 E.O.R. - Gregory S. Sabal, P. E. No. 61571



DRAINAGE STRUCTURES

SHEET NO. 19



DATE	DESCRIPTION	DATE	DESCRIPTION

The Bureau Group
 Winter Park, FL 32789
 Phone: (407) 650-2185
 Fax: (407) 650-2185
 www.thebureaugroup.com
 Certified Professional Engineer No. 56335
 E.O.H., Gregory, S. Sobel, P.E. No. 47571



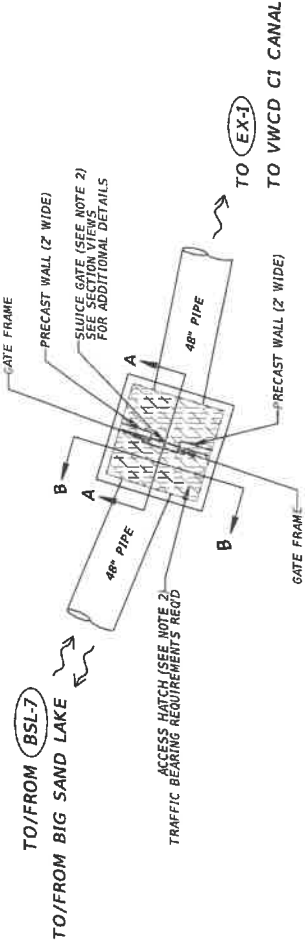
DRAINAGE STRUCTURES

SHEET NO. 21

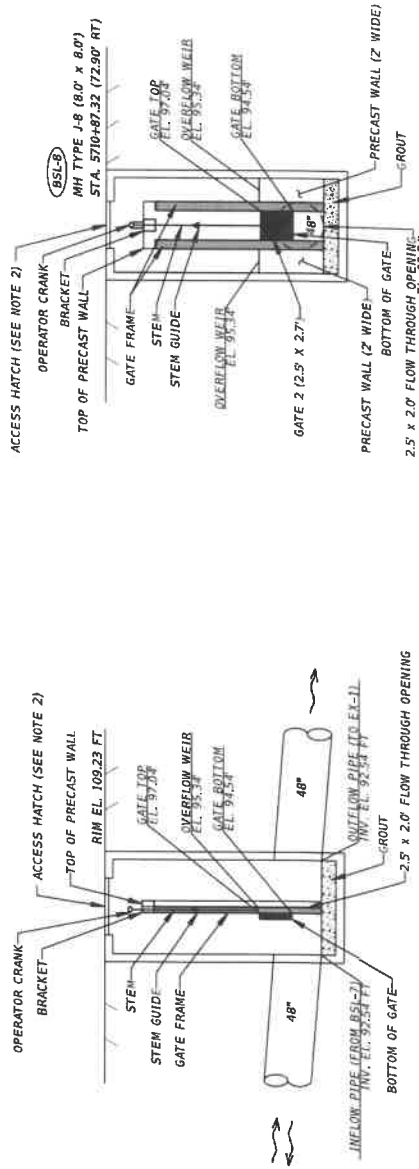
LEGEND
 VWCD VALENCIA WATER CONTROL DISTRICT

CONTROL STRUCTURE NOTES:

1. NORMAL OPERATING ELEVATIONS DEPICTED.
2. SUICIDE GATE DESIGN DEPICTED IN DETAIL CONTRACTOR TO PROVIDE MANUFACTURER SHOP DRAWINGS FOR SUICIDE GATE. FINAL APPROVAL FROM ENGINEER REQUIRED. ACCESS HATCH DESIGN DEPICTED IN DETAIL CONTRACTOR TO PROVIDE MANUFACTURER SHOP DRAWINGS FOR ACCESS HATCH (FRAMING, HANDLES, HINGES, AND LOCKING MECHANISM TO BE INCLUDED IN MANUFACTURER SHOP DRAWINGS). FINAL APPROVAL FROM ENGINEER REQUIRED.
3. GATE OPEN POSITION (NORMAL) - FLOW WILL PASS THROUGH 2.5' X 2.0' OPENING BENEATH GATE AT ELEVATION 92.54'.
4. OPERATION PLAN
 1. THE GATE WILL BE NORMALLY FULLY OPEN. WHEN FULLY CLOSED, NO WATER WOULD FLOW THROUGH THE GATE AND THE ONLY DISCHARGE WOULD BE THROUGH THE OVERFLOW WEIR.
 2. THE GATE WILL BE CLOSED BY ORANGE COUNTY PUBLIC WORKS STORMWATER MANAGEMENT DIVISION BASED ON RECEIPT OF A LEVEL 3 FLASH REPORT FROM THE ORANGE COUNTY EMERGENCY OPERATIONS CENTER (EOC) REGARDING A MAJOR STORM EVENT.
 3. AN AUTHORIZED OSCEOLA COUNTY EMPLOYEE MAY REQUEST THAT ORANGE COUNTY CLOSE THE GATE IF FLOODING IN SHINGLE CREEK IS OCCURRING OR IMMINENT. THE REQUEST MAY BE MADE BY CALLING JEFF CHARLES, STORMWATER MANAGEMENT DIVISION OPERATIONS AND MAINTENANCE MANAGER AT 407-836-7877 OR ORANGE COUNTY'S NON-EMERGENCY HELP LINE AT 407-836-3311.
 4. AFTER CLOSING THE GATE ORANGE COUNTY STORMWATER MANAGEMENT DIVISION STAFF WILL MONITOR STAGES AT THE SHINGLE CREEK AT CAMPBELL FL USSS STREAM GAGE (NO. 02264495). THE GATE MAY BE REOPENED WHEN STAGES INDICATED BY THE GAGE ARE BELOW 59.0 FEET AND TRENDED DOWN FOR OVER 48 HOURS.



PLAN VIEW
 N.T.S.



SECTION A-A
 N.T.S.

SECTION B-B
 N.T.S.



STANDARD MANHOLE COVER DETAIL
 N.T.S.

CONTROL STRUCTURE DETAIL: (BSL-8)



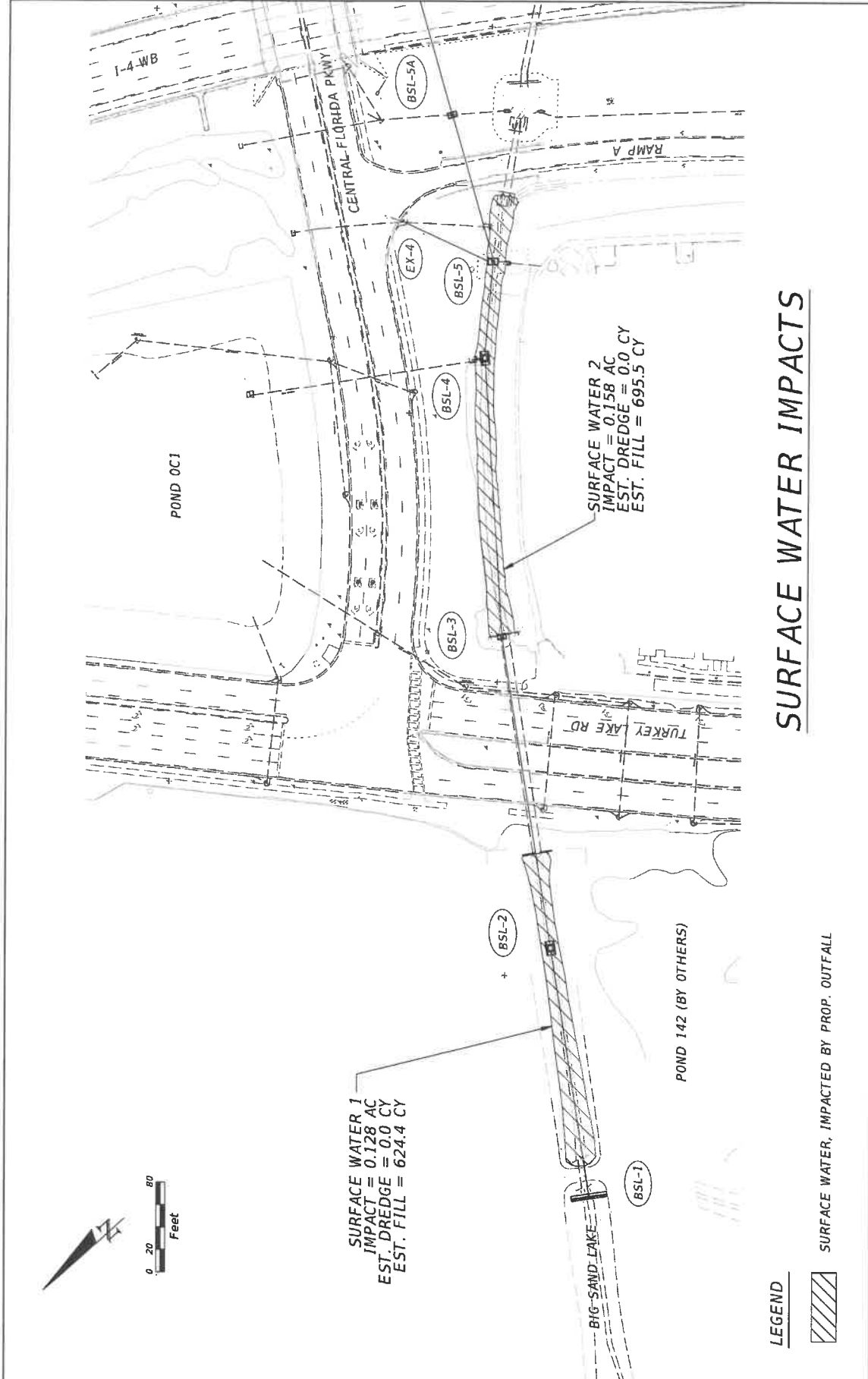
The Baldemar Group
 105 Lakewood Pl. #100
 Winter Park, FL 32789
 Phone: (407) 629-2185
 www.baldemargroup.com
 E.O. 11246 - Affirmative Action
 E.O. 11413 - Equal Opportunity
 E.O. 11510 - Federal Acquisition Regulation

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

DRAINAGE DETAILS

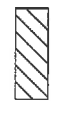
SHEET NO.

22



SURFACE WATER IMPACTS

LEGEND



SURFACE WATER, IMPACTED BY PROP. OUTFALL

DATE	DESCRIPTION	REV/SIONS	DATE	DESCRIPTION
ORANGE COUNTY GOVERNMENT FLORIDA				DRAINAGE DETAILS
<small>The Diurnal Group Whisper Park, FL 32789 Phone: (407) 659-2185 www.diurnalgroup.com Certification No. 26123 R.O.R.: Gregory S. Sudda, P.E., No. 47571</small>				SHEET NO. 23
<small>11/20/2018 10:57:39 AM I:\OC Big Sand Lake Outfall\2484\Drawings\Surface Water Impacts.dwg</small>				