### AGENDA

### Town of Indialantic Local Planning Agency/Zoning and Planning Board 216 Fifth Avenue, Indialantic, FL 32903, Council Chamber Tuesday, February 28, 2023 at 5:30 p.m.

### A. Call to Order:

Rick Bertel, Chair Ed Mackiewicz, Vice Chair Dan Sullivan, Member Michael Lentini, Member Alan King, Member Jeanne Allen, 1st Alternate Erin Trauger, 2<sup>nd</sup> Alternate (Vacant), School Board Representative

### B. Election of Chair and Vice Chair:

### C. Approval of Prior Meeting Minutes:

January 24, 2023 Regular Meeting Minutes

### D. New Business:

### 1. Site Plan

Address: 101 S. Miramar Ave. also known as Indialantic by the Sea Lots 1 - 3, & 24 - 28, Block 38
Applicant: 101 S. Miramar, LLC (Gilad Ovaknin)
Owner: 101 S. Miramar, LLC
Authorized representative: Zev Cohen & Assoc., Inc.
Project Description: 13, 612 sq. ft. building with associated parking, utilities, and storm water management

### E. Reports – Building Official

### F. Adjourn:

NOTICE: Pursuant to Section 286.0105, Florida Statutes, the Town hereby advises the public that if a person decides to appeal a decision made by this Board with respect to any matter considered at its meeting or hearing, he or she will need a record of the proceedings and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes testimony and evidence upon which the appeal is to be based, as the Town does not provide one. Americans with Disabilities Act: Persons planning to attend the meeting who require special assistance must notify the Office of the Town Clerk at 321-723-2242 no later than 48 hours prior to the meeting.

### Meeting Minutes Town of Indialantic Local Planning Agency / Zoning and Planning Board 216 Fifth Avenue, Indialantic, FL, Council Chamber Tuesday, Jan. 24, 2023 at 5:30 p.m.

### A. Call to order:

A regular meeting of the Indialantic Local Planning Agency/Zoning and Planning Board was called to order by Vice Chair Mackiewicz at 5:37 p.m. with the following members present:

Ed Mackiewicz, Vice Chair Jeanne Allen, 1<sup>st</sup> Alternate Member Erin Trauger, 2<sup>nd</sup> Alternate Member

Also present:

Michael Casey, Town Manager Paul Gougelman, Town Attorney Cliff Stokes, Building Official Rebekah Raddon, Town Clerk

### B. Election of Chair and Vice Chair:

Vice Chair Mackiewicz asked for this item to be placed on next month's agenda.

### C. Approval of Prior Meeting Minutes: October 25, 2022

Motion by Member Trauger, seconded by Member Allen, and vote unanimous to approve the meeting minutes. Motion carried 3-0.

### D. Site Plan Modification:

Address: 215 Fifth Avenue, also described as Indialantic by the Sea Lots 8 & 9, Block 21 Applicant: Antonio Francesco Savoia Owner: Kiran Patel Project Description: Remodel for a deli take-out business

Building Official Stokes explained that the site plan meets all of the town's requirements except for the masonry wall shown running north and south on the eastern side of the property, which should be removed.

Antonio Francesco Savoia, Applicant, 931 Niagara St NW, Palm Bay Fl 32907, spoke.

Mr. Savoia advised that he is a tenant with a contract to purchase, and is authorized by the owner to apply for the site plan modification. He described the proposed remodel and the

business which will feature made on premise Italian foods aimed mostly for take-out customers to comply with the towns parking requirements per number of seats. The business will be named Italian Eats. He agreed to remove the masonry wall.

Paul Rufo, 9380 S Tropical Trl., Merritt Island, Fl 32952, real estate agent/broker, introduced himself and spoke briefly.

Motion by Member Trauger, seconded by Member Allen, and vote unanimous to approve the site plan modification contingent upon the removal of the masonry wall shown on the eastern side of the property. Motion carried 3-0.

### E. Reports – Building Official

Mr. Stokes provided an update regarding projects that are underway and advised that the Surfstyle location nearest to the beach has submitted a site plan and will be on next month's agenda.

### F. Adjourn

Motion by Member Trauger, seconded by Member Allen, and vote unanimous to adjourn to meeting at 5:52 p.m.

Rick Bertel, Chair

Attested by:

Rebekah Raddon, CMC, Town Clerk

### APPLICATION FOR SITE PLAN REVIEW



This application must be completed and returned with all enclosures referred to herein to the office of the Building Official of the Town of Indialantic, Florida. This application will be referred to the Zoning and Planning Board for their study and recommendation. You will be advised of the date and time of the meeting before the Zoning and Planning Board. You may appear at the meeting in person or be represented by an authorized agent. If you cannot attend the meeting, you should make arrangements to have an authorized representative appear on your behalf as the application can be acted upon by the Board even in your absence.

- 1. Applicant: <u>101 S. MIRAMAR AVE., LLC.</u>
- 2. Site Address: 101 S. MIRAMAR AVE. INDIALANTIC, FL 32903
- 3. Contact's Name: 101 S. MIRAMAR AVE. INDIALANTIC, FL 32903
- 4. Contact's Phone: (954)926-6666
- 5. Contact's Mailing Address: 4100 N. 28TH TERRACE, HOLLYWOOD, FL 33020
- 6. Contact's Email Address\_GILAD@SURF-STYLE.COM
- 7. Legal Description Of Property Covered by This Application (Including Subdivision, Block and Lot(s): LOTS 1, 1, 3, 24, 26, 27, AND 28, BLOCK 38, INDIALANTIC

BY THE SEA, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT

BOOK 3, PAGE 35, PUBLIC RECORDS OF BREVARD COUNTY, FLORIDA

- 8. Zoning District: C-2 COMMERCIAL
- 9. Property Owner, If Different Than Applicant (Owner Authorization Required):
- 10. Property Owner's Mailing Address: \_\_\_\_\_

### 11. Description of Project: <u>CONSTRUCTION OF A 13,612 S.F. BUILDING WITH</u>

### ASSOCIATED PARKING, UTILITIES, & STORMWATER MANAGEMENT

New Site Plan (Site Plan Modification) (Circle One)

PROCEDURES FOR OBTAINING SITE PLAN APPROVAL SHALL BE AS FOLLOWS:

- (1) PREAPPLICATION CONFERENCE: The applicant shall meet with the Building Official to discuss basic site plan requirements, consider preliminary features of the site and the proposed development, and determine if the proposed use conforms to the zoning requirements of the district.
- (2) SITE PLAN CHECKLIST: The applicant shall properly fill out a checklist provided by the Building Official. This checklist will summarize the site plan and it will be used as a guide for site plan evaluation.
- (3) PRELIMINARY SITE PLAN: Following the pre-application conference, 12 copies of a preliminary site plan prepared by a registered civil engineer or architect showing the proposed general layout, and a vicinity map showing the location of abutting streets, existing and proposed utilities, and storm drainage systems in accordance with the site plan requirements shall be submitted to the Building Department.
- (4) REVIEW AND RECOMMENDATIONS: Applications for site plan approval shall be submitted to the Building Official, who shall forward copies of the proposed plans to the Fire Department for its written recommendations regarding health, safety and welfare.

Upon completion of the above four steps and receipt of the recommendation from the Fire Department, the Zoning and Planning Board shall review the site plan and any recommendations at their next regular meeting.

Per Indialantic Code Section 113-27, Site Plan Review:

The zoning board shall not approve such plan unless it finds that such site plan conforms to all applicable provisions of the Town Code of Ordinances, that adequate off-street parking and loading facilities are provided for owners, tenants, visitors, and employees, and that adequate protection and separation are provided for contiguous and nearby residential property.

The zoning board may attach to its approval of a site plan any reasonable conditions, limitations or requirements which are found necessary in its judgment to effectuate the purpose of this section and carry out the spirit and purpose of the zoning ordinance.

*Modification of site plan.* Any change in use of buildings, structures, land or water, or institution of new uses, or alteration of or addition to buildings or structures shall be in accordance with a new or modified site plan conforming and approved pursuant to this section.

Approval time limit. The site plan approval shall terminate 540 days (18 months) thereafter if construction has not been started. Two extensions of up to 180 days (6 months) may be made by the zoning and planning board at its discretion for good cause shown, such as but not limited to delays in obtaining development permits from other governmental agencies or project financing delays.

(Code 1962, 28-98A; Ord. No. 217, 1, 10-18-77; Ord. No. 89-11 2, 4-18-89, Ord. No. 2019-12, 11-13-19)

### SITE PLAN CHECK LIST

In reviewing such site plan the zoning board shall consider the location, size, height, spacing, appearance, character and utilization of any building, structure or use and their appurtenances, access and circulation of vehicles and pedestrians, streets, parking area, yards and open spaces, landscaping, and relationship to adjacent property.

A site plan shall include, but not necessarily be limited to the following:

- \_\_\_\_\_ (a) Site plan with grades or contours.
- \_\_\_\_\_(b) Elevations, floor plans and uses of all buildings and structures.
- \_\_\_\_\_ (c) Location and character of all outside utilities.
- \_\_\_\_\_(d) All curb cuts, driveways, parking areas, loading areas, and surfacing materials of same.
- \_\_\_\_\_ (e) All pedestrian walks, malls, yards, and open spaces.
- \_\_\_\_\_ (f) Location, size, character, height and orientation of all signs.
- \_\_\_\_\_ (g) Location, height and general character of walls and fences.
- (h) Location and general character of landscaped areas and the common and botanical name of all trees, shrubs, and plants, with the number and size of each category or individual item, and the proposed watering and continued care in order to maintain the landscaping in accordance with approved site plan.
- (i) All buildings constructed in those areas designated as special hazard areas on the current flood hazard boundary maps published by the Department of Housing and Urban Development, Federal Insurance Administration, shall have all finished floor elevations related to Coast and Geodetic Survey mean sea level datum.
  - \_\_\_\_\_(j) Storm Drainage System.

### **OWNER AUTHORIZATION** Site Plan Submittal

I, \_\_\_\_\_\_, Owner of the following property: 1,2,3,24, Lot(s) <u>26,27 & 28</u> Block 38

Street Address: 101 S. MIRAMAR AVE. , Indialantic, Florida, 32903

do hereby authorize ZEV COHEN & ASSOCAITES, INC \_\_\_\_\_ to submit a site plan

application on my behalf.

Signature (Owner)

GILAD OVAKNIN

Printed Name (Owner)

State of Florida

Broward County

The foregoing Owner Authorization was acknowledged before me by means of: [] physical presence or [] online notarization, this \_\_\_\_\_\_ day of \_\_\_\_\_\_ day of \_\_\_\_\_\_, 20 21, by <u>Gilad</u> Crahnin (owner).

Notary Seal:

(Signature of Notary Rublic – State of Florida)



Personally Known \_\_\_\_\_ OR Produced Identification:\_\_\_\_\_\_

business which will feature made on premise Italian foods aimed mostly for take-out customers to comply with the towns parking requirements per number of seats. The business will be named Italian Eats. He agreed to remove the masonry wall.

Paul Rufo, 9380 S Tropical Trl., Merritt Island, Fl 32952, real estate agent/broker, introduced himself and spoke briefly.

Motion by Member Trauger, seconded by Member Allen, and vote unanimous to approve the site plan modification contingent upon the removal of the masonry wall shown on the eastern side of the property. Motion carried 3-0.

### E. Reports – Building Official

Mr. Stokes provided an update regarding projects that are underway and advised that the Surfstyle location nearest to the beach has submitted a site plan and will be on next month's agenda.

### F. Adjourn

Motion by Member Trauger, seconded by Member Allen, and vote unanimous to adjourn to meeting at 5:52 p.m.

Rick Bertel, Chair

Attested by:

Rebekah Raddon, CMC, Town Clerk

# SURF STYLE AT INDIALANTIC TOWN OF INDIALANTIC - BREVARD COUNTY, FL FINAL ENGINEERING PLANS

**OWNER:** GILAD OVAKNIN SURFSYLE MANAGEMENT 4100 N. 28TH TERRACE HOLLYWOOD, FLORIDA 33020 (954) 926-6666

CONTACT PERSON: GILAD OVAKNIN

e-mail: gilad@surf-style.com

ARCHITECT: **<u>CIVIL ENGINEER:</u>** DAG ARCHITECTS ZEV COHEN & ASSOCIATES, INC 300 INTERCHANGE BLVD, SUITE C 1223 AIRPORT ROAD ORMOND BEACH, FL 32174 DESTIN, FLORIDA 32541 (850)502-8770 (386) 677-2482 (850)837-8152 (386) 677-2505 (FAX) CONTACT PERSON: CARL STEUER A.I.A. CONTACT PERSON: HALUK KILIC, P.E.

email: csteuer@dagarchitects.com

## **PROJECT DESCRIPTION:**

THIS PROJECT INCLUDES THE CONSTRUCTION OF AN 13,612 S.F. BUILDING WITH 11,042 SF RETAIL SPACE, ASSOCIATED PARKING, UTILITIES & STORMWATER MANAGEMENT SYSTEMS.

SITE INFORM	ATION:				
SITE ADDRESS:		101 S. MIRAMAR AVE,	, INDIATLAN	ITIC, FL 3	2903
PROJECT AREA:		0.94 AC			
TAX PARCEL I.D. #:		27-38-31-E0-38-1	(LOTS 1,2	BLK 38)	
		27-38-31-E0-38-3	(LOTS 3,24	4,25,26 BI	LK 38)
		27-38-31-E0-38-27	7 (LOTS 27	,28 BLK 3	38)
EXISTING ZONING:		C-2 COMMERCIAL			
PROPOSED ZONING:		C-2 COMMERCIAL			
EXISTING LAND USE:		1100 - RETAIL STORE	(LOTS 1,2)		
		1222 - COMMERCIAL R	ELATED AM	IENITIES (I	LOTS <b>3, 24</b> –28)
PROPOSED LAND USE:		COMMERCIAL			
EXISTING FUTURE LAND USE:		COMMERCIAL			
SETBACKS:		•			
FRONT:		15 FT			
WEST SIDE:		52 FT (SOUTH MIRAMA	R AVE)		
EAST SIDE:		50 FT (WAVE CREST S	TREET)		
MAXIMUM BUILDING HEIGHT		35 FT			
UTILITIES:		PROVIDED BY BREVARD BEACHES SEWER & ME	COUNTY U	UTILITY SE /ATER	RVICES: SOUTH
LAND USE TABLE:					
		ACREAGE		P	ERCENTAGE
EXISTING CONDITIONS:					
WETLAND AREA		0.0 AC			0.0%
UPLAND AREA		0.94 AC			100.0%
PROPOSED IMPROVEMENTS:					
BUILDING(S)		0.302 AC			32.13%
PAVEMENT & SIDEWALK		0.470 AC			50.00%
POND AREA(S)		0.0 AC			0.00%
LANDSCAPE/OPEN SPACE		0.168 AC			17.87%
TOTAL PERVIOUS		0.168 AC			17.87%
TOTAL IMPERVIOUS		0.772 AC			82.13%
PARKING CALCULATIONS:					
USE	PARKING	REQUIREMENT	SF/U	NITS	SPACES REQUIRED
GENERAL RETAIL	COMMERCIAL: FIRST 500	2 SPACES FOR THE SF + 1 PER 500 SF	2 - (11,205–5	+ 600)/500	24
PARKING SPACES PROVIDED:				2	8
HANDICAP PARKING REQUIRED:				2	2
HANDICAP PARKING PROVIDED:				2	2
<b></b>					





25 CANAVERAL-PALM BEACH-URBAN LAND COMPLE 14 BEACHES

e-mail: hkilic@zevcohen.com

VICINITY MAP SCALE: 1" = 1,000'



KANE SURVEYING, INC 505 DISTRIBUTION DRIVE MELBOURNE, FLORIDA 32904 (321) 676-0427 (321) 984-1448 (FAX)

e-mail: terriecarlson@bellsouth.net

LANDSCAPE ARCHITECT: ZEV COHEN & ASSOCIATES 300 INTERCHANGE BLVD, SUITE C ORMOND BEACH, FL 32174 (386) 677-2482 (386) 677-2505 (FAX)

**GEOTECHNICAL ENGINEER:** UNIVERSAL ENGINEERING SCIENCES 820 BREVARD AVENUE, ROCKLEDGE, FLORIDA 32955 (321) 638-0808 (321) 987-2152 (FAX) CONTACT PERSON: JOEL SEYMOUR, P.L.S CONTACT PERSON: ROBERT SMITH, P.E. PMP CONTACT PERSON: JAKE STEHR, P.L.A.

e-mail: rlsmith@universalengineering.com



ZONING MAP SCALE: 1'' = 400'CURRENT ZONING FOR THIS SITE IS: C-2 COMMERCIAL

C1 C2-C3C4 C5 C6 C7 C8 C9 C10 C11-C18 CF1 CC1 IR1–IR2

SOILS MAP SCALE: 1" = 400' THE SITE LIES WITHIN THE FOLLOWING BREVARD COUNTY SOIL CLASSIFICATIONS:





FLOOD ZONE MAP SCALE: 1'' = 400'THE PROPERTY LIES IN: FLOOD ZONE X - AN AREA OUTSIDE THE 1% AND 2% ANNUAL CHANCE OF FLOODING PER FEMA MAPS 12009C0604H

e-mail: jstehr@zevcohen.com

## SHEET INDEX:

- COVER SHEET CONSTRUCTION NOTES DEMOLITION & EROSION CONTROL PLAN GEOMETRY, SIGNAGE & STRIPING PLAN PAVING, GRADING & DRAINAGE PLAN DEP DIMENSIONING PLAN DEP CROSS-SECTIONS FDOT PLAN & CROSS-SECTIONS UTILITY PLAN CONSTRUCTION DETAILS
- DEP CUT-FILL EXHIBIT COASTAL CONSTRUCTION CONTROL LINE EXHIBIT
- LA1–LA2 LANDSCAPE PLAN & DETAILS IRRIGATION PLAN

## LEGAL DESCRIPTION:

LOTS 1,2,3,24,25,26,27 AND 28, BLOCK 38, INDIATLANTIC BY THE SEA, ACCORDING TO THE PLAT THEROF, AS RECORDED IN PLAT BOOK 3, PAGE 35, PUBLIC RECORDS OF BREVARD COUNTY, FLORIDA

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	DF CH DF XF	PF DE		NO. DATE BY SUBMITTALS/REVISIONS		
		ROL		1 10-15-21 HKJL TOWN OF INDIALANTIC, FDEP AND FDOT SUBMITTAL		
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424 EAL			COVER SHEET			& ASSOCIATES, INC.
4						300 INTERCHANGE BLVD., STE. C
					IRANSPORTATION	URMUNU BEACH, FL 321/4
						WWW.ZEVCOHEN.COM
			CITY OF INDIATLANTIC BREVARD COUNTY, FLORIC	YOU	(EB 4516) (LC 62)	

SHEET: C1 OF 18

## BREVARD COUNTY PUBLIC WORKS ENGINEERING STANDARD DEVELOPMENT NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO FDOT DESIGN STANDARDS (LATEST EDITION), FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION (LATEST EDITION), BREVARD COUNTY UTILITY SERVICES CRITERIA FOR WATER AND SANITARY SEWER SYSTEMS, AND BREVARD COUNTY CODE OF ORDINANCES.	3. LANE CLOSURES: THE CONTRACTOR SHALL NOTIFY BREVARD COUNTY TRAFFIC OPERATIONS (321-633-2077) A MINIMUM OF ONE (1) WEEK IN ADVANCE OF THE PROPOSED START DATE OF CONSTRUCTION WITHIN THE RIGHT-OF-WAY. CONSTRUCTION SHALL NOT BEGIN UNTIL THE MOT PLAN IS APPROVED AND NOTIFICATIONS HAVE BEEN SENT TO AFFECTED AGENCIES. NO LANE CLOSURES WILL BE PERMITTED DURING PEAK HOUR TRAFFIC VOLUMES.	FOR SUPERPAVE (SP) ASPHALT / 1. THE CONTRACTOR SHALL PROVID PUBLIC WORKS ENGINEERING FIV OUTLINED IN SECTION 334-2 & 334
2. ISSUANCE OF CERTIFICATE OF COMPLETION: UPON COMPLETION OF CONSTRUCTION OF THE PROJECT AND PRIOR TO SCHEDULING OF THE FINAL INSPECTION, THE APPLICANT OR THEIR AUTHORIZED REPRESENTATIVE, SHALL PROVIDE THE FOLLOWING DOCUMENTATION TO BREVARD COUNTY PUBLIC WORKS ENGINEERING:	4. ALL TRAFFIC CONTROL DEVICES SHALL MEET THE REQUIREMENTS OF THE MUTCH FOR STREETS AND HIGHWAYS, FOOT STANDARDS (LATEST EDITIONS), AND BREVARD COUNTY LAND DEVELOPMENT EXHIBIT #26.	BE ACCEPTED, 2. THE CONTRACTOR SHALL PROVID THE SAMPLE(S) MAY BE TAKEN AT
a. A CERTIFICATE OF COMPLETION - REQUEST FOR FINAL INSPECTION FORM. THE FORM MUST BE FROM A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF FLORIDA WITH THEIR SEAL AFFIXED. THE FORM CERTIFIES THAT THE IMPROVEMENTS	DRAINAGE - ROADWAYS	PROVIDED TO THE COUNTY WITHIN 3. THE CONTRACTOR SHALL PROVID
HAVE BEEN CONSTRUCTED IN CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS. b. A COMPLETE SET OF TESTING REPORTS FOR ALL TESTS PERFORMED ON THE PROJECT WITHIN THE COUNTY RIGHT-O- WAY AND/OR FOR ALL SUBDIVISION CONSTRUCTION REGARDLESS OF PUBLIC OR PRIVATE.	1. ALL DRAINAGE SYSTEM CONSTRUCTION SHALL CONFORM TO FOOT STANDARD SPECIFICATIONS AND FOOT DESIGN STANDARDS; (LATEST EDITIONS).	4. ASPHALT TESTING RESULTS FOR
c. THREE SETS OF AS-BUILT DRAWINGS MEETING THE REQUIREMENTS OF SECTION 61G17, F.A.C., AND SIGNED AND SEALED BY A	2. ALL RETICULINE STEEL GRATES SHALL BE HOT DIPPED GALVANIZED AND HAVE A TRAFFIC BEARING H-20 LOAD RATING.	FOR THE THICKNESS OF EACH AS
SURVEYOR LICENSED IN THE STATE OF FLORIDA. AT A MINIMUM, ALL AS-BUILT DRAWINGS MUST INCLUDE: I. ROAD/PAVEMENT ELEVATIONS; ROADWAY CROSS SLOPES; PAVEMENT WIDTH; PAVEMENT SPOT ELEVATIONS	3. ALL GRATES UTILIZED WITHIN THE COUNTY RIGHT-OF-WAY SHALL BE TRAFFIC BEARING H-20 LOADING.	5. PAVEMENT SURFACE SHALL MEET
NECESSARY TO CONFIRM STORMWATER DRAINAGE PATTERNS AT INTERSECTIONS AND SIDEWALKS; CURB SLOPES; il. STORMWATER PIPE SIZES AND INVERT ELEVATIONS; LOCATION OF OUTFALL STRUCTURE(S) WITH AS-BUILT ELEVATIONS FOR ALL CONTROL STRUCTURE & SKIMMER ELEVATIONS SHOWN ON THE APPROVED PLANS; TOP OF BANK, GRADE BREAKS, BOTTOM ELEVATIONS FOR ALL STORMWATER PONDS OR BERM AREAS;	4. ALL STORMWATER PIPING WITHIN THE ROAD RIGHT-OF-WAY, REGARDLESS OF PUBLIC OF PRIVATE, OF STORMWATER PIPING THAT CONVEYS STORMWATER UNDER THE ROADWAY BETWEEN STORMWATER TREATMENT PONDS, SHALL BE INSPECTED PER SECTIONS 430-4.8, 430-4.8.1, AND 430-4.8.2 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. (LATEST EDITION). A COPY OF THE PIPE VIDEO SHALL BE PROVIDED TO THE COUNTY AS PART OF THE SUBMITTAL OF THE CERTIFICATION OF COMPLETION REQUEST FOR FINAL INSPECTION. THE COUNTY SHALL BE NOTIFIED ONE WEEK PRIOR TO THE START OF THE PIPE VIDEO INSPECTION BROCESS	6. THE CONTRACTOR SHALL PROVID OR GREATER IN ACCORDANCE WI FOR FRICTION COURSE FC-5 AS
<ul> <li>III. ANY OTHER ADDITIONAL AS BUILT DATA THAT IS APPLICABLE TO THE PROJECT TO ENSURE COMPLETION IN ACCORDANCE WITH THE APPROVED CONSTRUCTION PLANS.</li> <li>d. PIPE INSPECTION VIDEO PER FDOT REQUIREMENTS. (IF APPLICABLE PER NOTE 4 OF DRAINAGE NOTES)</li> <li>e. IF A MUNICIPALITY IS ACCEPTING A PUBLIC WATER AND/OR SEWER SYSTEM, THERE MUST BE DOCUMENTATION INDICATING</li> </ul>	5. ALL OPEN CUTS SHALL CONFORM TO LAND DEVELOPMENT EXHIBIT #25. FOR ALL OPEN CUTS, THE FLOWABLE FILL AND TEMPORARY ASPHALT SHALL BE INSTALLED WITHIN TWO (2) DAYS OF THE EXCAVATION (UNLESS OTHERWISE APPROVED IN WRITING BY BREVARD COUNTY PUBLIC WORKS ENGINEERING). PERMANENT ASPHALT INCLUDING MILLING AND RESURFACING, IF NEEDED, SHALL BE COMPLETED WITHIN THIRTY (30) DAYS OF EXCAVATION.	1. THE CONTRACTOR SHALL PROVID PROJECT, TO PUBLIC WORKS ENG REQUIREMENTS AS OUTLINED IN S APPROVED WILL NOT BE ACCEPTI
MUNICIPAL ACCEPTANCE OF THE CONSTRUCTION OF THE WATER AND/OR SEWER SYSTEM. f. PUBLIC WORKS ENGINEERING WILL NOT SIGN OFF ON A TEMPORARY CERTIFICATE OF OCCUPANCY (TCO) FROM THE BREVARD COUNTY BUILDING DEPARTMENT UNTIL THE AS-BUILT DRAWINGS AND OTHER DOCUMENTATION LISTED ABOVE HAVE BEEN SUBMITTED AND REVIEWED BY PUBLIC WORKS ENGINEERING.	6. THE CONTRACTOR SHALL REMOVE THE SHOULDER OF THE ROADWAY TO A POINT WHERE THE BASE MATERIAL OF THE EXISTING ROADWAY MEETS THE MINIMUM THICKNESS OF THE PROPOSED ROADWAY/COMMERCIAL DRIVEWAY CONNECTION.	2. THE CONTRACTOR SHALL PROVID SAMPLE(S) MAY BE TAKEN AT THE TO THE COUNTY WITHIN ONE WEE
g. PROJECTS CONNECTED TO THE BREVARD COUNTY WATER, SANITARY SEWER, AND/OR RECLAIMED WATER SYSTEMS MUST OBTAIN FINAL APPROVAL FOR THE PROJECT DIRECTLY FROM BREVARD COUNTY UTILITY SERVICES AS OUTLINED IN THE	CONCRETE PAVING AND SIDEWALK	4. QUALITY CONTROL CORE BORING
BREVARD COUNTY CHTTERIA FOR WATER AND SANITARY SEWERAGE SYSTEMS. 3. UPON APPROVAL OF FINAL INSPECTION, AN ENGINEER'S CERTIFIED COST ESTIMATE WILL BE REQUIRED ALONG WITH A 2-YEAR MAINTENANCE BOND FOR ALL IMPROVEMENTS WITHIN THE COUNTY RIGHT-OF-WAY AS REQUIRED BY CHAPTER 86 OF THE BREVARD COUNTY CODE OF OPDINANCES, THE MAINTENANCE BOND SHALL BE 25% OF THE ENCINEED'S CERTIFIED COST ESTIMATE	<ol> <li>ALL DRIVEWAYS SHALL BE CONSTRUCTED PER FDOT INDEX 515 AND/OR BREVARD COUNTY STANDARD EXHIBITS UNLESS OTHERWISE NOTED.</li> </ol>	5. THE CONTRACTOR SHALL PROVID OR GREATER IN ACCORDANCE WI
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO THE COUNTY INFRASTRUCTURE DURING CONSTRUCTION. THIS INCLUDES, BUT	2. ALL CONCRETE SHALL MEET FOOT DESIGN MIX AND SPECIFICATIONS. CURING METHOD SHALL BE IN ACCORDANCE WITH THE FOOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION).	FOR SUPERPAVE FRICTION COUL
IS NOT LIMITED TO, THE STRUCTURAL INTEGRITY OF THE ROADWAY ASPHALT, BASE, AND STABILIZED SUB-BASE, SIDEWALKS, STORMWATER DRAINAGE SYSTEM, DRAINAGE STRUCTURES, CURBS, GROUND COVER, WATER SYSTEMS, SANITARY SEWER SYSTEMS, AND RECLAIMED WATER SYSTEMS. ALL REPAIRS SHALL BE COMPLETED IN ACCORDANCE WITH FDOT AND BREVARD COUNTY STANDARDS. ALL REPAIRS SHALL BE COMPLETED PRIOR TO THE FINAL INSPECTION OF THE PROJECT. SIDEWALK PATCHING WILL NOT BE ACCEPTABLE.	3. ALL SIDEWALKS WITHIN THE COUNTY RIGHT-OF-WAY OR WITHIN A PUBLIC SIDEWALK EASEMENT SHALL BE CONSTRUCTED OF 6-INCH THICK, 3000-PSI CONCRETE WITH FIBER MESH REINFORCEMENT. CONCRETE SIDEWALKS (OR PEDWAYS) AND CONCRETE DRIVEWAY APRONS SHALL BE CONSTRUCTED OVER SOILS COMPACTED TO 98% DENSITY, OF AASHTO T -180. SHOULD EXISTING SOILS BE FOUND UNSUITABLE FOR COMPACTION, ADDITIONAL COMPATIBLE MATERIALS SHALL BE BROUGHT TO THE SITE FOR USE AS SUBGRADE.	1. THE CONTRACTOR SHALL PROVID PUBLIC WORKS ENGINEERING FIV OUTLINED IN SECTION 337-4 (2010 ACCEPTED.
5. A VISUAL OR MECHANICAL INTERIOR INSPECTION OF EXISTING CULVERTS WILL BE REQUIRED PRIOR TO THE FINAL INSPECTION.	ALTERNATE METHODS OF COMPACTION MAY BE REQUIRED TO AVOID DAMAGE TO SURROUNDING PROPERTIES.	<ol> <li>THE CONTRACTOR SHALL PROVID SAMPLE(S) MAY BE TAKEN AT THE</li> </ol>
EXISTING SOD TYPE. BAHIA SOD SHALL BE USED IN AREAS ADJACENT TO VACANT PROPERTY, DISTURBED AREAS OUTSIDE THE CONSTRUCTION LIMITS WILL BE SODDED AT THE CONTRACTOR'S EXPENSE.	<ol> <li>CONSTRUCT SIDEWALK JOINTS FORSUANT TO FDOT INDEX 3TO (LATEST EDITION), EXPANSION JOINTS SHALL BE EVERY 50 FEET, AND BETWEEN NEW AND OLD CONCRETE.</li> <li>TWO BY FOUR FORM BOARDS SHALL NOT BE USED FOR SIDEWALK/DRIVEWAY CONSTRUCTION. FORM BOARDS SHALL MATCH PROPOSED</li> </ol>	TO THE COUNTY WITHIN ONE WEE 3. THE CONTRACTOR SHALL PROVID
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL SURVEY MONUMENTATION. ANY SURVEY MONUMENTATION DISTURBED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY A FLORIDA LICENSED SURVEYOR PRIOR TO ISSUANCE OF A CERTIFICATE OF COMPLETION FOR THE PROJECT.	CONCRETE THICKNESS, SLIP FORMS SHALL NOT BE USED FOR SIDEWALK CONSTRUCTION. FIXED FORMWORK SHALL BE REQUIRED PER FDOT INDEX 300.	337-4, 337-6, 337-8, AND 334-5.2.3 ( 4. ASPHALT TESTING RESULTS FOR
8. REGARDLESS OF PRIVATE OR PUBLIC DEDICATION, THERE SHALL BE NO UTILITY CONNECTIONS OR METER BOXES WITHIN PROPOSED OR EXISTING SIDEWALKS OR DRIVEWAY AREAS.	<ol> <li>THE CONTRACTOR SHALL PROVIDE A 3-FOOT CURB TRANSITION AT ALL CURB TERMINATIONS.</li> <li>ALL SIDEWALK AND ACCESS RAMP CONSTRUCTION SHALL COMPLY WITH THE DEPARTMENT OF JUSTICE 2010 ADA STANDARDS FOR</li> </ol>	THE THICKNESS OF EACH ASPHAL
9. ALL DIRECTIONAL BORES SHALL BE IN ACCORDANCE WITH FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 555, DIRECTIONAL BORES AND THE FOOT UTILITIES ACCOMMODATION MANUAL.	ACCESSIBLE DESIGN, FDOT DESIGN STANDARDS (LATEST EDITION), AND BREVARD COUNTY DEVELOPMENT REQUIREMENTS.	6. THE CONTRACTOR SHALL PROVID OR GREATER IN ACCORDANCE WI
10. ALL DIRECTIONAL BORES MUST EXTEND & MINIMUM OF EIGHT(8) FEET PAST THE EDGE OF PAVEMENT OF ANY ROADWAY OR COMMERCIAL DRIVEWAY. FOR RESIDENTIAL DRIVEWAYS AND SIDEWALKS, THE BORE MUST EXTEND THREE (3) FEET PAST THE EDGE ON EITHER SIDE.	ASPHALT PAVING AND TESTING	
11. THE CONTRACTOR SHALL CONTROL DUST GENERATED BY THIS PROJECT AT ALL TIMES, SHALL PROVIDE STREET SWEEPING AS REQUIRED, AND PREVENT SEDIMENT FROM ENTERING. INTO THE EXISTING DRAINAGE SYSTEM AT ALL TIMES.	THE FOLLOWING TESTING REQUIREMENTS APPLY TO: a. ALL PUBLIC AND PRIVATE SUBDIVISION PROJECTS PERMITTED THROUGH BREVARD COUNTY PLANNING AND DEVELOPMENT?	
12. THE CONTRACTOR SHALL NOT EXCEED NOISE LEVELS AS SPECIFIED IN BREVARD COUNTY CODE OF ORDINANCES SECTION 62-2271.	b. ALL SITE PLAN PROJECTS PERMITTED THROUGH BREVARD COUNTY PLANNING AND DEVELOPMENT REQUIRING WORK IN THE COUNTY RIGHT-OF-WAY;	1. ALL CONSTRUCTION SHALL COMP AND BRIDGE CONSTRUCTION (LAT
13. ALL STRIPING AND PAVEMENT MARKINGS IN THE COUNTY RIGHT-OF-WAY SHALL BE THERMOPLASTIC AND SHALL NOT BE APPLIED UNTIL A MINIMUM OF 30 DAYS AFTER THE PLACEMENT OF THE FINAL ASPHALT SURFACE. IN THE INTERIM, STRIPING SHALL BE PAINT AND ANY REQUIRED RPM'S INSTALLED PER THE PLANS. DO NOT STRIPE ACROSS MANHOLE LIDS OR DRAINAGE GRATES.	C. ALL PROJECTS PERMITTED THROUGH BREVARD COUNTY PUBLIC WORKS FOR WORK WITHIN THE COUNTY RIGHT-OF-WAY. SECTIONS WITHIN THE FDOT STANDARD SPECIFICATIONS LIMITING TESTING REQUIREMENTS BASED ON LOT SIZE, SUB-LOT SIZE, TONNAGE, MINIMUM THICKNESS, OR SPREAD RATE WILL NOT APPLY TO THE PROJECTS LISTED ABOVE. AT A MINIMUM, ONE SET OF TESTS WILL BE	2. PRIOR TO START OF CONSTRUCT DRAWINGS (SIGNED & SEALED BY COMPONENTS OF THE CONCRETE DRAWINGS SUBAL INCLUDE OF AN
14. REFLECTIVE PAVEMENT MARKINGS (RPM'S) SHALL BE INSTALLED IN ALL LOCATIONS AS REQUIRED BY FOOT DESIGN STANDARD. (LATEST EDITION) 15. ANY DAVEMENT MARKINGS AND RDM'S THAT ARE DESTROYED, DAMAGED, OR DIMINISHED BY CONSTRUCTION ACTIVITIES FOR UP TO 500	REQUIRED FOR ALL PAVING PROJECTS LARGER THAN 50 TONS TOTAL AND ADDITIONAL TESTING MAY BE REQUIRED ON A CASE BY CASE EVALUATION OF THE PROJECT. TESTING REQUIREMENTS AT THE ASPHALT PLANT WILL NOT APPLY.	THE DESIGN MUST BE BASED ON I FOR ALL WINGWALLS, TOE SLABS
FEET IN EITHER DIRECTION BEYOND THE LIMITS OF CONSTRUCTION SHALL BE REPLACED OR REFURBISHED BY THE CONTRACTOR.	FOR S-TYPE ASPHALT AS SPECIFIED IN THE 2000-2004 FDOT STANDARD SPECIFICATION :	3. ALL BOX CULVERT MATERIALS TH PASS INITIAL INSPECTIONS) PRIOF
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE COUNTY RIGHT-OF-WAY FOR THE DURATION OF CONSTRUCTION, AT A MINIMUM, THE CONTRACTOR SHALL MOW THE RIGHT-OF-WAY ON AN AS NEEDED BASIS AND MAINTAIN THE	FLORIDA AND APPROVED BY THE ENGINEER OF RECORD FOR THE PROJECT TO PUBLIC WORKS ENGINEERING FIVE BUSINESS DAYS PRIOR TO PAVING. THE MIX DESIGN SHALL MEET EDOT MINIMUM BEOLIDEMENTS AS OUTLINED IN SECTION 331-4 (2000). DESIGN MIXES BY EDOT	4. CONCRETE (PRECAST OR CAST-IN
DRAINAGE CONVEYANCE SYSTEM. ADDITIONAL MAINTENANCE MAY BE REQUIRED ON A CASE BY CASE BASIS.	CERTIFIED MIX DESIGNERS WILL NOT BE ACCEPTED.	5. REINFORCING STEEL REQUIREME OF 3" (THREE INCHES), UNLESS O
TRAFFIC CONTROL	3. THE CONTRACTOR SHALL PROVIDE MARSHALL STABILITY TESTING IN ACCORDANCE WITH SECTION 331-5.5.1 (2000).	PERMITED.
1. MOT PLAN REVIEW: A PROJECT-SPECIFIC MAINTENANCE OF TRAFFIC (MOT) PLAN OR ROADWAY CLOSURE MOT/DETOUR PLAN MUST BE	4. PAVEMENT SURFACE SHALL MEET ALL REQUIREMENTS SPECIFIED IN SECTION 330-13 (2000).	NOTES (SHEET 2 OF 14), AND WEL
SUBMITTED TO BREVARD COUNTY TRAFFIC OPERATIONS (321-633-2077) FOR APPROVAL A MINIMUM OF TWO (2) WEEKS PRIOR TO START OF CONSTRUCTION, THE MOT PLAN SHALL BE IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND	<ol> <li>THE CONTRACTOR SHALL PROVIDE SURFACE TOLERANCE TESTING FOR ROADWAYS WITH DESIGN SPEEDS OF 35 MPH OR GREATER IN ACCORDANCE WITH SECTION 330-13/3 (2000).</li> </ol>	7. REFER TO FDOT INDEX 289 FOR C
FUOT STANDARD INDEX 500 SERIES (LATEST EDITIONS). PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS OR VMS) MAY BE REQUIRED TO SUPPLEMENT THE STANDARD MOT SIGNAGE.	6. QUALITY CONTROL CORE BORINGS SHALL BE OBTAINED FOR THICKNESS PER SECTION 330-2:2 ROADWAY, (2004) AND DENSITY PER	9. IF REQUIRED, BY-PASS PUMPING/
<ol> <li><u>ROAD CLOSURES:</u> THE CONTRACTOR SHALL NOTIFY BREVARD COUNTY TRAFFIC OPERATIONS (321-633-2077) A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF THE PROPOSED START DATE OF CONSTRUCTION WITHIN THE RIGHT-OF-WAY, FOR EACH PHASE OF CONSTRUCTION, IF APPLICABLE. CONSTRUCTION SHALL NOT BEGIN UNTIL THE MOT PLAN IS APPROVED AND NOTIFICATIONS HAVE BEEN SENT TO AFFECTED AGENCIES. CERTAIN LOCATIONS MAY REQUIRE WORK IN THE RIGHT-OF-WAY TO BE PERFORMED AT NIGHT ONLY.</li> </ol>	SECTION 330-11, TABLE 330-3 (2000). 7. ASPHALT TEST RESULTS FOR EACH CORE TAKEN ARE REVIEWED ON AN INDIVIDUAL BASIS FOR THICKNESS AND DENSITY. THICKNESS AND DENSITY AVERAGES WILL NOT BE ACCEPTED. NO UNDER TOLERANCE FOR THE THICKNESS OF EACH ASPHALT CORE WILL BE AULOWED.	CONSTRUCTION.
PROJECT NAME DWG D'AIR: BY: PREPARED BY: PRE	RKOS DENPAREMIENT	APPROVED BY:
SIGNED/DRAWN BY: 1. FOR DISTRIBUTION 10-10-12		ON DADUES SZEVEKALPE
SIGNED/DRAWN BY: 1. FOR DISTRIBUTION 10-10-12 JB CHECKED BY: 2. CHECKED BY:	DALE INTY BOARD OF COUNTY COMMISSIONERS AMERICA NAL 204, ELDS, A. MORA, FL. 23940	ENGINEERING PROGRAM MANAGER

### AS SPECIFIED IN THE 2010 FDOT STANDARD SPECIFICATION :

### SPECIFIED IN THE 2010 FDOT STANDARD SPECIFICATION :

### RSES FC-9.5 & FC-12.5 AS SPECIFIED IN THE 2010 FDOT STANDARD SPECIFICATIONS:

DE AN FOOT APPROVED DESIGN MIX, APPROVED BY THE ENGINEER OF RECORD FOR THE PROJECT, TO E BUSINESS DAYS PRIOR TO PAVING. THE MIX DESIGN SHALL MEET FOOT MINIMUM REQUIREMENTS AS 1-3 (2010). DESIGN MIXES BY FDOT CERTIFIED MIX DESIGNERS THAT ARE NOT FDOT APPROVED WILL NOT

DE GRADATION AND BINDER CONTENT TESTING IN ACCORDANCE WITH SECTION 334-5. (2010) HOWEVER, T THE PROJECT LOCATION IN LIEU OF AT THE ASPHALT PLANT AS SPECIFIED. RESULTS MUST BE IN ONE WEEK AFTER THE COMPLETION OF PAVING.

DE QUALITY CONTROL, DENSITY, AND THICKNESS TESTING IN ACCORDANCE WITH SECTIONS 334-3, 334-4,

EACH CORE TAKEN ARE REVIEWED ON AN INDIVIDUAL BASIS FOR THICKNESS AND DENSITY. THICKNESS ED IN TABLE 334-5, NOTE 2, OF SECTION 334-5 (2010) WILL NOT BE ACCEPTED. NO UNDER TOLERANCE PHALT CORE WILL BE ALLOWED.

TALL REQUIREMENTS SPECIFIED IN SECTION 330-12 (2010).

DE QUALITY CONTROL SURFACE TOLERANCE TESTING FOR ROADWAYS WITH DESIGN SPEEDS OF 35 MPH ITH 330-12 (2010).

DE PROVIDE AN FOOT APPROVED DESIGN MIX, APPROVED BY THE ENGINEER OF RECORD FOR THE GINEERING FIVE BUSINESS DAYS PRIOR TO PAVING. THE MIX DESIGN SHALL MEET FOOT MINIMUM SECTION 337-4 (2010). DESIGN MIXES BY FDOT CERTIFIED MIX DESIGNERS THAT ARE NOT FDOT ED.

DE GRADATION AND BINDER CONTENT TESTING IN ACCORDANCE WITH SECTION 337-5 & 337-6 (2010). THE PROJECT LOCATION IN LIEU OF AT THE ASPHALT PLANT AS SPECIFIED. RESULTS MUST BE PROVIDED EK AFTER THE COMPLETION OF PAVING.

TALL REQUIREMENTS SPECIFIED IN SECTION 330-12 (2010).

GS SHALL BE OBTAINED FOR THICKNESS TESTING USING SECTION 334-5.2.3 (2010).

DE QUALITY CONTROL SURFACE TOLERANCE TESTING FOR ROADWAYS WITH DESIGN SPEEDS OF 35 MPH ITH SECTION 330-12 (2010).

DE AN FOOT APPROVED DESIGN MIX, APPROVED BY THE ENGINEER OF RECORD FOR THE PROJECT, TO E BUSINESS DAYS PRIOR TO PAVING, THE MIX DESIGN SHALL MEET FOOT MINIMUM REQUIREMENTS AS )). DESIGN MIXES BY FOOT CERTIFIED MIX DESIGNERS THAT ARE NOT FOOT APPROVED WILL NOT BE

DE GRADATION AND BINDER CONTENT TESTING IN ACCORDANCE WITH SECTION 337-5 & 337-6 (2010). THE PROJECT LOCATION IN LIEU OF AT THE ASPHALT PLANT, AS SPECIFIED. RESULTS MUST BE PROVIDED EK AFTER THE COMPLETION OF PAVING.

DE QUALITY CONTROL, DENSITY, AND THICKNESS TESTING IN ACCORDANCE WITH SECTIONS 337-1, 337-3, (2010).

EACH CORE TAKEN ARE REVIEWED ON AN INDIVIDUAL BASIS FOR THICKNESS AND DENSITY, THICKNESS ED IN TABLE 334-5, NOTE 2, OF SECTION 334-5 (2010) WILL NOT ACCEPTED. NO UNDER TOLERANCE FOR LT CORE WILL BE ALLOWED.

ALL REQUIREMENTS SPECIFIED IN SECTION 330-12 (2010).

DE QUALITY CONTROL SURFACE TOLERANCE TESTING FOR ROADWAYS WITH DESIGN SPEEDS OF 35 MPH ITH 330-12 (2010).

### **CONCRETE BOX CULVERT NOTES**

PLY WITH FDOT DESIGN STANDARDS (LATEST EDITION), FDOT STANDARD SPECIFICATIONS FOR ROAD TEST EDITION), AND BREVARD COUNTY STANDARDS.

ION, THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING STRUCTURAL ENGINEERING A PROFESSIONAL ENGINEER LICENSED & REGISTERED IN THE STATE OF FLORIDA) FOR ALL E BOX CULVERTS, INCLUDING WINGWALLS, TOE SLAB & CUTOFF WALLS, AND HEADWALLS. THE ITITIES TABULATIONS FOR CLASS IV CONCRETE (CUBIC YARDS), AND REINFORCING STEEL (POUNDS). FDOT'S LOAD & RESISTANCE FACTOR DESIGN (LRFD) PROGRAM, SEPARATE DRAWINGS ARE REQUIRED & CUTOFF WALLS, AND HEADWALLS, WHICH MUST BE CAST-IN-PLACE PER FDOT SPECIFICATIONS.

IAT ARE TO BE INSTALLED UNDER ROADWAYS AND/OR DRIVEWAYS ARE TO BE DELIVERED TO SITE (AND R TO START OF DEMOLITION OF EXISTING SYSTEM.

N-PLACE) REQUIREMENTS: CLASS IV (5500 PSI).

NTS: ASTM A615 GRADE 60 DEFORMED BAR UNLESS OTHERWISE NOTED, WITH A MINIMUM CLEARANCE THERWISE SHOWN, EQUAL AREA SUBSTITUTION OF WELDED WIRE (WWR) REINFORCEMENT IS

RECAST CONCRETE BOX CULVERT SLAB & WALL THICKNESSES, REINFORCEMENT AREAS, GENERAL DED WIRE REINFORCEMENT BENDING DIAGRAMS (SHEET 14 OF 14).

ONCRETE BOX CULVERT DETAILS RELATED TO LRFD.

UPPLEMENTAL DETAILS FOR PRECAST CONCRETE BOX CULVERTS.

AND/OR PIPING SHALL BE APPROVED BY BREVARD COUNTY PUBLIC WORKS PRIOR TO THE START OF

## BREVARD COUNTY PUBLIC WORKS ENGINEERING STANDARD DEVELOPMENT NOTES



Know what's below. Call before you dig.

								ZEV COHEN	& ASSOCIATES, INC.	300 INTERCHANGE BLVD., STE. C	UNMONU BEACH, FL 321/4	WWW ZEVCOHEN COM	
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HALUK KILIC, P.E., NO.84244 NOT VALID WITHOUT SEAL

SHEET: C2 OF 18

### GENERAL NOTES

- ALL CONSTRUCTION, DRAINAGE STRUCTURES AND OTHER SITE IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITIONS OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OR THE BREVARD COUNTY LAND DEVELOPMENT CODE REQUIREMENTS, STANDARD CONSTRUCTION DETAILS & STANDARD SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.
- 2. SHOP DRAWINGS AND CERTIFICATIONS FOR ALL MATERIALS AND STRUCTURES ARE REQUIRED. THE CONTRACTOR SHALL REVIEW AND SIGN SHOP DRAWINGS. THE CONTRACTOR SHALL SUBMIT REVIEWED SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING THE MATERIALS REQUIRED FOR CONSTRUCTION.
- 3. CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL REQUIRED PERMITS. THE CONTRACTOR SHALL MAINTAIN COPIES OF ALL RELEVANT PERMITS AND CONSTRUCTION DOCUMENTS AVAILABLE ON THE JOB SITE AT ALL TIMES.
- 4. CONTRACTOR TO MAINTAIN THE SITE IN A SAFE AND SECURE MANNER TO PROTECT PUBLIC SAFETY AND THE CONDITIONS OF THE IMPROVEMENTS.
- 5. THE CONTRACTOR SHALL MAINTAIN, AT THE JOB SITE, A RECORD COPY OF ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS ON WHICH ALL FIELD CHANGES ARE TO BE SHOWN. THESE CHANGES ARE TO BE INCORPORATED IN THE "AS-BUILT" SURVEY FURNISHED TO THE ENGINEER.
- 6. SHOULD CONDITIONS VARY FROM THOSE SHOWN ON THESE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD PRIOR TO CONTINUING CONSTRUCTION.
- 7. ANY FIELD MODIFICATIONS OR DEVIATIONS TO THESE CONSTRUCTION PLANS REQUIRES APPROVAL BY BOTH THE ENGINEER OF RECORD AND THE TOWN OF INDIATLANTIC PRIOR TO PERFORMING THE WORK.
- 8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AN "AS-BUILT" SURVEY OF THE COMPLETED CONSTRUCTION. THE "AS-BUILT" SURVEY SHALL BE PREPARED IN ACCORDANCE WITH APPROPRIATE GOVERNMENTAL REGULATIONS AND ZCA REQUIREMENTS. THE "AS-BUILT" SURVEY SHALL BE PREPARED ON ZCA'S DESIGN/PERMITTED PLANS. ELECTRONIC AND PAPER COPIES OF THE AS-BUILT SURVEY SHALL BE PROVIDED TO THE ENGINEER OF RECORD. THE "AS-BUILT" SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL LAND SURVEYOR.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VEHICULAR AND PEDESTRIAN TRAFFIC SAFELY THROUGH THE WORK ZONE AT ALL TIMES, IF APPLICABLE. ANY SIDEWALK, LANE OR ROAD CLOSURE REQUIRES REVIEW AND APPROVAL IN ADVANCE AND A SEVEN (7) DAY MINIMUM NOTICE TO THE BREVARD COUNTY TRAFFIC OPERATIONS (321) 633–2077. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REQUIRED COORDINATION.
- 10. MAINTENANCE OF TRAFFIC WILL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS, LATEST EDITIONS.
- 11. CONTRACTOR TO NOTIFY THE REGULATORY AGENCIES FORTY EIGHT (48) HOURS PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL SEND COPIES OF ALL TESTING REPORTS TO THE REGULATORY AGENCIES AND THE ENGINEER OF RECORD.
- 12. SURVEY INFORMATION PROVIDED BY KANE SURVEYING, INC DATED 03-15-2021. ALL ELEVATIONS BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29) / NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AND ARE SHOWN IN FEET. STATE PLANE COORDINATES ARE BASED UPON NAD 83.
- 13. ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED. THE CONTRACTOR SHALL EMPLOY A SURVEYOR, REGISTERED IN THE STATE OF FLORIDA, TO REPLACE/RESTORE ANY PROPERTY OR LAND MARKERS DISTURBED BY CONSTRUCTION ACTIVITIES.
- 14. NO LAND SHALL BE CLEARED, EXCAVATED OR FILLED AND NO STRUCTURES SHALL BE ERECTED, REPAIRED OR DEMOLISHED WITHOUT PROPER PERMIT(S).
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS AS WELL AS THE REQUIREMENTS OF ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND E.P.A. (NPDES). CONTRACTOR SHALL ESTABLISH BEST MANAGEMENT PRACTICES AND EROSION CONTROL METHODS PRIOR TO COMMENCING ANY SITE CLEARING OR DEMOLITION AND SHALL MAINTAIN THOSE BARRIERS UNTIL FINAL ACCEPTANCE OF THE PROJECT.
- 16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROJECT'S NPDES PERMITTING, INSPECTION AND REPORTING, IF APPLICABLE.
- 17. THE EROSION, SEDIMENT AND TURBIDITY CONTROL MEASURES DELINEATED HEREON ARE THE MINIMUM REQUIRED. ADDITIONAL CONTROLS MAY BE NEEDED, DEPENDING UPON THE ACTUAL SITE CONDITIONS, JURISDICTIONAL AGENCY PERMIT REQUIREMENTS AND CONSTRUCTION OPERATIONS. STAKED SILT FENCE SHALL BE UTILIZED TO CONTROL EROSION AND RELEASE OF SUSPENDED SOLIDS. SEDIMENT TRACKING CONTROL DEVICES SHALL BE USED TO PREVENT THE OFFSITE TRANSPORT OF SEDIMENT BY MOTORIZED VEHICLES. IF CONTROL MEASURES DO NOT PROVE SATISFACTORY, WORK SHALL CEASE UNTIL NEW MEASURES ARE ADOPTED WITH SATISFACTORY RESULTS.
- 18. ALL EROSION AND SEDIMENT TRACKING CONTROL DEVICES SHALL BE INSPECTED DAILY AND IMMEDIATELY FOLLOWING A RAINFALL EVENT. REFER TO PROJECT'S STORMWATER POLLUTION PREVENT PLAN (SWPPP). ANY DEFICIENCIES FOUND IN THE EROSION CONTROL MEASURES SHALL BE REPAIRED IMMEDIATELY. THE CONTRACTOR SHALL KEEP A LOG BOOK DOCUMENTING THESE DAILY INSPECTIONS, DEFICIENCIES AND REMEDIAL ACTIONS.
- 19. ALL UNSUITABLE SOILS AND UNSUITABLE MATERIALS (SUCH AS CLAY, ORGANICS, ROCK, CEMENTED COQUINA, DEBRIS, ETC.) SHALL BE REMOVED, DISPOSED OF IN A LEGAL MANNER AND REPLACED WITH DRY COMPACTED GRANULAR MATERIAL SATISFACTORY TO THE TOWN OF INDIATLANTIC. THE COST OF ALL WORK AND MATERIALS IS TO BE INCLUDED IN THE UNIT PRICE OF THE ASSOCIATED CONSTRUCTION ITEMS UNLESS OTHERWISE SHOWN IN THE PLANS.
- 20. IN THE EVENT THAT WATER IS ENCOUNTERED DURING CONSTRUCTION. DEWATERING SHALL BE PERFORMED AS NEEDED. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, PERMITTING, INSTALLATION, OPERATION AND SUBSEQUENT REMOVAL OF DEWATERING SYSTEMS AND THEIR SAFETY AND CONFORMITY WITH APPLICABLE CODES AND REGULATIONS.
- 21. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE ELECTRIC, TELEPHONE, GAS, CABLE TELEVISION, COMMUNICATIONS, ETC. COMPANIES TO DETERMINE THE TYPE AND LOCATION OF ALL UNDERGROUND FACILITIES IN THE AREA OF CONSTRUCTION.
- 22. ALL UNDERGROUND UTILITIES HAVE BEEN LOCATED HORIZONTALLY AND VERTICALLY BASED ON THE BEST INFORMATION AVAILABLE AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL ELEVATIONS OF EXISTING UTILITIES (PUBLIC AND PRIVATE) SHOWN OR NOT SHOWN PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE VARIOUS UTILITY COMPANIES TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION, DISRUPTION OF SERVICE OR CLARIFICATION OF ACTIVITY REGARDING SAID UTILITY. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING NEAR OR CROSSING A UTILITY. WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND NOTIFY THE UTILITY COMPANIES FOR UTILITIES WHICH NEED TO BE RELOCATED FOR THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO PAY FOR ANY REPAIR, RELOCATION OR TEMPORARY MEASURES NEEDED FOR EXISTING OR PROPOSED UTILITIES.
- 23. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND AVOID ALL UTILITIES, OTHER STRUCTURES AND OBSTRUCTIONS BOTH ABOVE AND BELOW GROUND. ALL DAMAGE RESULTING FROM THE CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE REPAIRED AT THE CONTRACTOR'S FXPFNSF
- 24. THE CONTRACTOR SHALL NOTIFY ALL UTILITY PROVIDERS AT LEAST TWO (2) BUSINESS DAYS PRIOR TO ANY CONSTRUCTION
- 25. THE CONTRACTOR SHALL MAINTAIN UNINTERRUPTED SERVICE AT ALL SERVICE CONNECTIONS. THE MANNER IN WHICH THIS IS ACCOMPLISHED SHALL BE LEFT TO THE DISCRETION OF THE CONTRACTOR, SUBJECT TO THE REQUIREMENTS OF THE CONTRACT SPECIFICATIONS.
- 26. ALL EXISTING DRAINAGE STRUCTURES AND UTILITIES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN, UNLESS OTHERWISE NOTED IN PLANS.
- 27. ALL STATIONS AND OFFSETS REFER TO CENTERLINE CONSTRUCTION UNLESS OTHERWISE NOTED IN PLANS. 28. THE LENGTH OF ALL DRAINAGE PIPES AND LOCATION OF ALL DRAINAGE STRUCTURES ARE APPROXIMATE. THE LOCATION OF THE DRAINAGE STRUCTURE SHALL DETERMINE THE LENGTH OF PIPE.
- 29. THE TOP OF CASTING ELEVATIONS (TC) OF ALL STRUCTURES ARE SHOWN. HOWEVER, THE CONTRACTOR SHALL INSTALL ALL FRAMES SO AS TO PROVIDE A SMOOTH SURFACE FOR VEHICULAR AND/OR PEDESTRIAN TRAFFIC
- 30. CONTRACTOR SHALL CONFIRM PROPOSED TOP OF CASTING (TC) ELEVATIONS WILL ALLOW POSITIVE DRAINAGE TO PROPOSED INLETS. IF POSITIVE DRAINAGE DOES NOT EXIST, CONTRACTOR TO COORDINATE WITH ENGINEER OF RECORD FOR SOLUTION AND ADJUST PROPOSED INLETS AS NECESSARY AT NO COST.
- 31. CONTRACTOR SHALL CONFIRM ELEVATION OF EXISTING GRADE PRIOR TO PLACING DRAINAGE OUTFALL STRUCTURES. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD IF EXISTING GRADE DOES NOT MATCH PROPOSED OUTFALL INVERT. CONTRACTOR SHALL ADJUST OUTFALL STRUCTURE INVERT AND/OR STRUCTURE LOCATION AS DIRECTED BY ENGINEER OF RECORD AT NO COST.
- 32. ANY DRAINAGE PROBLEMS CREATED BY CONSTRUCTION, OR EXISTING BEFORE CONSTRUCTION AND NOT ALLEVIATED, SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD AT THE TIME OF DISCOVERY
- 33. ALL STORMWATER PIPES AND INLETS SHALL BE CLEANED OF DEBRIS AND ERODED MATERIALS AT LAST STAGES OF AND PRIOR TO COMPLETION OF CONSTRUCTION.
- 34. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES MAY EXTEND INTO THE STABILIZED PORTION OF THE ROADBED. EXTREME CAUTION WILL BE NECESSARY DURING COMPACTION AND STABILIZATION OPERATIONS AT THESE LOCATIONS TO AVOID DAMAGE AND ACHIEVE THE REQUIRED COMPACTION.

### GENERAL NOTES CONT'D

- 35. DURING CONSTRUCTION, AN ALL-WEATHER ACCESSIBLE ROADWAY SHALL BE MAINTAINED AT ALL TIMES FOR FIRE ACCESS.
- REQUIREMENTS AND OPERATIONAL PRIOR TO THE START OF VERTICAL CONSTRUCTION.
- NEW LIMEROCK BASE UNLESS OTHERWISE NOTED ON PLANS.
- 38. EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REPLACED AT THE SAME LOCATION AND WIDTH WITH THE SAME TYPE OF MATERIAL, UNLESS OTHERWISE SHOWN IN THE PLANS.
- 39. ALL RAMPS, SIDEWALKS AND ACCESSIBLE ROUTES ARE TO BE IN COMPLIANCE WITH CURRENT A.D.A. REQUIREMENTS.
- 40. SIGNS THAT ARE REMOVED AND ARE TO BE RELOCATED SHALL BE STOCK PILED BY THE CONTRACTOR. ANY
- 41. ROADWAY AND PARKING SIGNAGE AND MARKINGS SHALL BE IN CONFORMANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
- 42. UNLESS OTHERWISE NOTED, PROPOSED GRADES SHOWN ARE FINISHED GRADES.
- 43. OPERATION AND MAINTENANCE OF THE STORMWATER SYSTEM WILL BE PROVIDED BY THE OWNER OF PROPERTY. MAINTENANCE IS TO INCLUDE BI-WEEKLY MOWING OF SIDE SLOPES FOR VEGETATION CONTROL AND MONTHLY INSPECTION/CLEANING OF CULVERTS & STORM SYSTEMS.
- COVER ESTABLISHED PRIOR TO THE INSPECTION FOR THE CERTIFICATE OF OCCUPANCY.
- 45. INSTALLATION OF THE REQUIRED STREET SIGNS, TRAFFIC SIGNS, PAVEMENT STRIPING, STREET LIGHTS AND SIDEWALKS ALONG WITH THE PAINTING OF THE FIRE HYDRANTS MUST BE COMPLETED PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF COMPLETION.
- WALK-THROUGH WITH THE UTILITY REPRESENTATIVES, MUNICIPAL REPRESENTATIVES AND ENGINEER OF
- 47. THE ENGINEER OF RECORD AND LOCAL UTILITY SHALL BE GIVEN SEVENTY-TWO (72) HOURS NOTICE OF ALL REQUESTED MEETINGS AND/OR TESTING MEASURES.
- 48. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE REGULATORY REPRESENTATIVES TO DETERMINE THE INSPECTIONS NEED FOR THE PROJECT. CONTRACTOR SHALL PROVIDE PROPER NOTIFICATION TO INSPECTING AUTHORITIES BEFORE AND DURING CONSTRUCTION.
- 49. ZEV COHEN AND ASSOCIATES, INC (ZCA) LIABILITY SHALL BE LIMITED TO THE COMPANY'S DESIGN OF SPECIFIC IMPROVEMENTS AS DEPICTED ON THE SITE INFRASTRUCTURE CONSTRUCTION DOCUMENTS.

### EROSION & SEDIMENT CONTROL NOTES

- IMPACTS. ENVIRONMENTAL PROTECTION (FDEP) CONSTRUCTION ACTIVITY GUIDELINES.
- DURING CONSTRUCTION ACTIVITIES.
- 4. STORMWATER RETENTION, DETENTION, STORAGE AND CONVEYANCE SYSTEMS MUST BE EXCAVATED TO ROUGH
- 5. DURING CONSTRUCTION, THE SITE WORK/GRADING AND UTILITIES CONTRACTOR IS RESPONSIBLE FOR THE WEEKEND OR HOLIDAY). THE SITE SHALL BE INSPECTED BY A QUALIFIED INSPECTOR AND CORRECTIVE ACTION TAKEN AS NECESSARY.
- GROWTH OF AT LEAST 70% OR GREATER.
- COMPLIANCE WITH ALL JURISDICTIONAL PERMITS AND THE TOWN OF INDIATLATIC LAND DEVELOPMENT CODE REQUIREMENTS.
- OR OTHER CONSTRUCTION RELATED LAND DISTURBANCE ACTIVITIES.

### SITE CLEARING & GRADING NOTES

THE FOLLOWING REPRESENTS MINIMUM STANDARDS TO BE ADHERED TO BY THE CONTRACTOR THROUGHOUT THE CONSTRUCTION OF A PROJECT. THE TOWN OF INDIATLANTIC RESERVES THE RIGHT TO REQUIRE ADDITIONAL MEASURES TO BE EMPLOYED WHEN WARRANTED BY EXTREME CONDITIONS AND/OR THE FAILURE OF THE CONTRACTOR TO EMPLOY THE APPROPRIATE EROSION CONTROL BEST MANAGEMENT PRACTICES. FAILURE TO COMPLY WITH THESE PROVISIONS SHALL RESULT IN THE ISSUANCE OF A "STOP WORK ORDER".

- NATIVE UNDER-STORY HABITAT, WHICHEVER IS NEAREST TO THE CONSTRUCTION ACTIVITY.
- MUST BE PROTECTED BY BARRICADES OR FENCING PRIOR TO CLEARING. BARRICADES ARE TO BE SET AT THE DRIP PERMITTED AS A PROTECTIVE BARRIER.
- INDIATI ANTIC. 4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL PROTECTIVE VEGETATION BARRICADES AND
- INCLUDING PRELIMINARY GRUBBING. THESE MEASURES INCLUDE, BUT ARE NOT LIMITED TO, TEMPORARY DEBRIS ABUTTING EROSION CONTROL DEVICES IN ACCORDANCE WITH THE UTILITY DEPARTMENT STANDARDS.
- a. ALONG SUBJECT SITE BOUNDARY AND PROPERTY LINES. b. AT THE EDGE OF CONSERVATION EASEMENTS AND WETLANDS. ADJACENT TO NATURAL LANDSCAPE BUFFERS. d. AROUND THE PERIMETER OF EXISTING STORM WATER TREATMENT FACILITIES.
- CONSTRUCTION
- FENCING OR WOOD BRACING SHALL BE REQUIRED.
- ESTABLISHED WITHIN THIRTY DAYS.
- AS REQUIRED 9. FOR INDIVIDUAL CONSTRUCTION PROJECTS INVOLVING MULTIPLE PHASES, UPON COMPLETION OF EACH PHASE OF 2
- 10. ONCE AN AREA IS SEEDED OR SODDED, IT MUST BE MAINTAINED, INCLUDING WATERING AND TRIMMING BY THE CONTRACTOR TO ALLOW THE GRASS TO BECOME ESTABLISHED.
- 12. ABSOLUTELY NO BURYING OF CLEARED & GRUBBED MATERIALS IS PERMITTED.
- REQUIRED TO BE COMPLETED PRIOR TO THE PLACEMENT OF FILL ON THOSE AREAS. THE TOPSOIL MAY BE EXCEED 4:1 (H:V).
- PAVED AREAS AND 95% FOR BUILDING PADS AND ALL OTHER AREAS AS PER MODIFIED AASHTO T-180). 15. IF ANY MUCK OR ANY UNSUITABLE MATERIAL IS DISCOVERED, IT SHALL BE REMOVED AND REPLACED WITH A PROCTOR METHOD.

36. ALL REQUIRED FIRE LINES & HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL & STATE

37. NONE OF THE EXISTING LIMEROCK BASE THAT IS REMOVED IS TO BE USED IN THE CONSTRUCTION OF THE

EXISTING SIGNS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT HIS COST.

44. ALL DISTURBED AREAS SHALL BE SODDED, UNLESS OTHERWISE SHOWN, AND SHALL HAVE SOD / VEGETATED

46. CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND PRE-TESTING PRIOR TO SCHEDULING A TEST OR RECORD. ANY COST ASSOCIATED WITH RETESTING SHALL BE PAID FOR BY THE CONTRACTOR.

1. ALL DEMOLITION AND CONSTRUCTION ACTIVITIES SHALL INCORPORATE APPROPRIATE BEST MANAGEMENT PRACTICES (BMP'S) TO PREVENT EROSION, OFFSITE SEDIMENTATION, AND THE POTENTIAL FOR DOWNSTREAM WATER QUALITY

2. THE SITE WORK/GRADING AND UTILITIES CONTRACTOR SHALL AT A MINIMUM, ENSURE IMPLEMENTATION OF AN APPROVED EROSION PREVENTION AND SEDIMENT CONTROL PLAN IN ACCORDANCE WITH FLORIDA DEPARTMENT OF

3. THE SITE WORK/GRADING AND UTILITIES CONTRACTOR SHALL MINIMIZE DISTURBANCES OF EXISTING WETLANDS, VEGETATION AND DRAINAGE PATTERNS ON ADJACENT PROPERTIES TO THE MAXIMUM EXTENT PRACTICABLE

GRADE PRIOR TO BUILDING CONSTRUCTION OR PLACEMENT OF IMPERVIOUS SURFACE WITHIN THE AREA SERVED BY THOSE SYSTEMS. ADEQUATE BMP'S MUST BE IMPLEMENTED TO PREVENT SILTATION OF THESE TREATMENT SYSTEMS AND CONTROL STRUCTURES DURING CONSTRUCTION. SILTATION MUST BE REMOVED FROM THE STORMWATER SYSTEM WHEN HALF FULL AND IMMEDIATELY PRIOR TO FINAL GRADING AND STABILIZATION OF THE PROJECT.

IMPLEMENTATION AND MAINTENANCE OF ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES REQUIRED TO PREVENT VIOLATIONS OF WATER QUALITY STANDARDS AND PROJECT SPECIFIC PERMIT REQUIREMENTS. BEST MANAGEMENT PRACTICES INSTALLED ONSITE SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT THAT IS 0.50 INCHES OR GREATER (EVEN IF IT RAINS ON

8. THE SITE WORK/GRADING AND UTILITIES CONTRACTOR SHALL INITIATE STABILIZATION MEASURES WITHIN SEVEN CALENDAR DAYS AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED FOR ANY PORTION OF THE PROJECT. FINAL STABILIZATION IS DEFINED AS A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF

9. THE SITE WORK/GRADING AND UTILITIES CONTRACTOR IS RESPONSIBILE FOR MAINTAINING THE PROJECT LIMITS IN

CONSTRUCTION GENERIC PERMIT (CGP) NOTICE OF INTENT (NOI) TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) AT LEAST 2 CALENDAR DAYS PRIOR TO COMMENCEMENT OF CLEARING, GRADING, DEMOLITION,

1. NO DISTURBANCE OF EXISTING OR PROPOSED CONSERVATION EASEMENTS, NATURAL BUFFERS, OR WATER BODIES IS PROTECTIVE FENCING ARE TO BE LOCATED AT THE DRIP LINE OF EXISTING NATIVE TREES OR AT THE EDGE OF THE 2. SPECIMEN AND HISTORIC TREES, CONSERVATION EASEMENTS, NATURAL VEGETATION BUFFERS, AND SIMILAR AREAS

LINE OF THE TREES AND MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. BARBED WIRE IS NOT

3. WHERE A CHANGE OF GRADE OCCURS AT THE DRIP LINE OF A SPECIMEN TREE, SILT FENCE WILL BE REQUIRED DURING CONSTRUCTION AND RETAINING WALLS MUST BE INSTALLED PRIOR TO FINAL ACCEPTANCE BY THE TOWN OF

EROSION CONTROL STRUCTURES AND MEASURES IN PLACE PRIOR TO THE COMMENCEMENT OF ANY EARTHWORK, CONSTRUCTION FENCES, SYNTHETIC JUTE BALES, SILT FENCES, AND FLOATING TURBIDITY BARRIERS. FURTHER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL EROSION CONTROL DEVICES THROUGHOUT PRIOR TO THE INSTALLATION OF ANY FILL MATERIAL ON SUBJECT SITE, SILT FENCE SHALL BE INSTALLED:

e. AT ANY ADDITIONAL AREAS THAT THE TOWN OF INDIATLATIC DEEMS NECESSARY TO BE PROTECTED FROM POTENTIAL EROSION IMPACTS DURING CONSTRUCTION. THESE CONDITIONS SHALL APPLY IN ALL INSTANCES WHERE FILL MATERIAL IS BEING INSTALLED WITHIN 25 FEET OF ANY OF THE AFOREMENTIONED LOCATIONS. TO IMPOSE ADDITIONAL PROTECTIVE MEASURES, AS DETERMINED DURING ACTUAL SITE VISITS CONDUCTED AS PART OF THE STANDARD REVIEW OF THE SITE-SPECIFIC CLEARING PERMIT AND THROUGHOUT PROJECT

6. WHERE FILL MATERIAL IS INTENDED TO BE INSTALLED ADJACENT TO EXISTING VEGETATION WHICH IS INTENDED TO REMAIN NATURAL. THE CONTRACTOR MAY INSTALL SILT FENCING AS A TREE PROTECTION MEASURE, IN LIEU OF FAILS TO PROVIDE ADEQUATE PROTECTION FROM IMPACT DUE TO CONSTRUCTION, THEN ADDITIONAL CONSTRUCTION

7. AT A MINIMUM, THE CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS. GRASS COVERAGE IS TO BE 8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR THROUGH SCHEDULING, TO MINIMIZE THE DISTURBANCE OF SITE AREAS THAT HAVE BEEN BROUGHT TO THEIR PROPOSED FINAL GRADE. WITHIN TWENTY DAYS OF BRINGING A

11. ALL BURNING OF CLEARED MATERIALS MUST BE APPROVED AND PERMITTED THROUGH THE FL FOREST SERVICE.

AREAS, AND WHERE TREES ARE TO BE INSTALLED OR RELOCATED. TEMPORARY STOCKPILE SLOPES SHALL NOT

14. FILL MATERIAL IS TO BE PLACED IN ONE FOOT LIFTS AND COMPACTED TO THE APPROPRIATE DENSITY (98% FOR SUITABLE MATERIAL THAT IS PROPERLY BACKFILLED, COMPACTED AND TESTED USING AASHTO T-180 MODIFIED

16. SOILS ARE TO BE STABILIZED BY WATER OR OTHER MEANS DURING CONSTRUCTION. THIS IS INTENDED TO REDUCE SOIL EROSION AND THE IMPACT TO NEIGHBORING COMMUNITIES. ADEQUATE WATERING METHODS SHOULD BE EMPLOYED TO ALLOW DAILY COVERAGE OF THE ENTIRE LIMITS OF ALL AREAS THAT DO NOT HAVE AN ESTABLISHED VEGETATIVE COVER. METHODS TO BE EMPLOYED INCLUDE. BUT ARE NOT LIMITED TO, WATER TRUCKS, PERMANENT IRRIGATION SYSTEMS, TEMPORARY SPRINKLER SYSTEMS OPERATED BY PUMPING UNITS CONNECTED TO WET RETENTION PONDS, WATER CANNONS, TEMPORARY IRRIGATION SYSTEMS MOUNTED ATOP STOCKPILE AREAS, AND OTHER METHODS AS DEEMED NECESSARY.

17. ALL FILL MATERIALS LOCATED BENEATH STRUCTURES AND PAVEMENT SHALL CONSIST OF CLEAN GRANULAR SAND FREE FROM ORGANICS AND SIMILAR MATERIAL THAT COULD DECOMPOSE. 18. ALL FILL TO BE PLACED IN LANDSCAPED AREAS SHALL HAVE A PH RANGE BETWEEN 5.5 AND 7.5, BE ORGANIC IN

NATURE, FREE OF ROCKS AND DEBRIS, OR MATCH NATIVE EXISTING SOILS.

### STORMWATER CONSTRUCTION NOTES

1. ALL SITE SPECIFIC, ERDSIDN PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES AT A MINIMUM SHALL BE INSTALLED PER APPROVED SITE PLANS AND STORMWATER POLLUTION PREVENTION PLANS (SWPPP), EPSC 8. ALL WATER VALVES SHALL BE MARKED WITH AN "X" SAW CUT INTO THE CURB. DESIGN, INSTALLATION AND MAINTENANCE SHALL BE IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION 9. THE PLANS SHALL INCLUDE RIGHT OF WAY LINES AND STATIONING AND OFFSETS FROM THE CENTER LINE OF AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, JULY 2013 UPDATE.

- THE SITE WORK/GRADING AND UTILITIES CONTRACTOR SHALL ENSURE IMPLEMENTATION OF APPROVED SWPPP AND INSTALLATION OF ALL APPROVED EROSION PREVENTION AND SEDIMENT CONTROL PRACTICES. 3. THE SITE WORK/GRADING AND UTILITIES CONTRACTOR SHALL ENSURE THAT THE NPDES CONSTRUCTION GENERIC
- PERMIT (CGP) NOTICE OF INTENT (NOI) AND ANY REQUIRED DEWATERING PERMITS HAVE BEEN OBTAINED OR SUBMITTED PRIOR TO ANY LAND DISTURBANCE ACTIVITIES. 4. A CODB DEWATERING PERMIT SHALL BE REQUIRED PRIOR TO ENGAGING IN ANY DEWATERING OR CONSTRUCTION ACTIVITY THAT CHANGES THE IMPERVIOUS AREA OF LAND, PERMITABLE DEWATERING
- ACTIVITIES INCLUDE; THE REMOVAL OF GROUND WATER FROM A CONSTRUCTION SITE, ENCLOSED VAULT, COFFERDAM, OR TRENCHES, ALLOWING CONSTRUCTION OR MAINTENANCE IN A DRY ENVIRONMENT. SITE 5. CONTRACTOR SHALL FOLLOW ALL OF THE TOWN OF INDIATLANTIC'S REQUIRED WASTE MANAGEMENT PRACTICES. ALL CONSTRUCTION, RENOVATION, AND DEMOLITION SITES ARE TO BE KEPT CLEAN AND FREE OF REFUSE, DEBRIS, AND LITTER DURING THE CONSTRUCTION, RENOVATION, OR DEMOLITION PROCESS. A CERTIFICATE OF OCCUPANCY FOR A NEWLY CONSTRUCTED OR RENOVATED BUILDING SHALL NOT BE ISSUED UNTIL ALL REFUSE AND LITTER CAUSED BY THE
- CONSTRUCTION OR REMODELING IS REMOVED FROM THE SITE 6. STORMWATER MAINS SHALL HAVE A MINIMUM DRAINAGE MAINTENANCE EASEMENT AND ACCESS WIDTH OF 20 FEET. THE EASEMENT WIDTH MAY BE INCREASED DEPENDING UPON THE SIZE AND DEPTH OF PIPE.
- 7. CONCRETE EROSION CONTROL BMP'S MUST BE PROVIDED WHERE SWALES OR CULVERTS INTERCEPT DRAINAGE DITCHES. 8. IN GENERAL, ALL RETENTION/DETENTION SITES MUST BE CONSTRUCTED AND VEGETATED PRIOR TO ANY
- RDAD, PARKING LDT, DR BUILDING CONSTRUCTION DR AS CURRENT PERMIT CONDITIONS DICTATE. SEWER AND 17. ALL WATER MAINS SHALL BE NSF-APPROVED FOR POTABLE WATER USE AND HAVE A MINIMUM COVER OF WATER MAINS MAY BE INSTALLED PRIOR TO RETENTION/DETENTION SITE CONSTRUCTION IF DEWATERING IS NOT REQUIRED, ADDITIONAL BMP'S FOR EROSION AND SEDIMENT CONTROL SHALL BE IMPLEMENTED AS NECESSARY
- 9. IT IS THE RESPONSIBILITY OF ALL CONTRACTOR(S) TO REVIEW AND MAINTAIN A COPY OF THE SJRWMD, ERP, NPDES CGP, SITE SPECIFIC SWPPP, AND ALL OTHER JURISDICTIONAL PERMITS AT THE CONSTRUCTION SITE AND ABIDE BY ALL CONDITIONS OF THOSE PERMITS. 10. LANDSCAPE PLANS SHALL CLEARLY DEPICT THE DESIGN LOCATION OF TEMPORARY AND PERMANENT
- PLANTINGS RELATIVE TO THE LOCATION OF PUBLIC UTILITIES AND STORMWATER INFRASTRUCTURE IN ORDER TO EVALUATE POTENTIAL CONFLICTS. 11. THE MAXIMUM PERMISSIBLE SLOPE OF ANY NEW SITE GRADING IS 1:3 (VERTICAL: HORIZONTAL). THIS LIMIT APPLIES
- TO ALL AREAS EXCEPT STORMWATER CONVEYANCE AND TREATMENT SYSTEMS WHICH HAVE A MAXIMUM SIDE SLOPE OF 1:4 (EXCEPT BELOW THE WATER TABLE WHERE STEEPER SLOPES ARE PERMISSIBLE AND AS NOTED BELOW).
- 12. DEVELOPMENT PLANS FOR ALL STORMWATER MANAGEMENT SYSTEMS SHALL CONTAIN DISCHARGE DATA STORM INLETS, MANHOLES, AND CATCH BASINS SHALL BE FOOT COMPLIANT. EITHER POURED IN PLACE OR PRECAST REINFORCED CONCRETE STRUCTURES ARE REQUIRED AT EACH CHANGE OF PIPE SIZE OR CHANGE IN PIPE DIRECTION. ALL STRUCTURES SHALL COMPLY WITH ASTM C-478 AND SHALL HAVE 6" THICK WALLS. THINNER WALLS MAY BE PERMITTED PROVIDING THE DESIGN IS IN ACCORDANCE WITH FDOT STANDARD PLANS, THIS REQUIREMENT MUST BE REFLECTED ON BOTH THE SHOP DRAWING AND AS-BUILT PLANS. STRUCTURES PLACED IN HIGH TRAFFIC AREAS SHALL BE OF TRAFFIC BEARING CONSTRUCTION IN
- ACCORDANCE WITH FDOT STANDARDS. STORM INLETS SHALL BE SPACED IN SUCH A MANNER AS TO ACCEPT ONE HUNDRED PERCENT OF THE DESIGN STORM RUNDFF WITHOUT IMPEDING THE FLOW OF TRAFFIC. FOR ROADWAY SECTIONS WITH DESIGN SPEEDS OF 45 MPH AND LESS AND WITHOUT FULL WIDTH SHOULDERS, SPREAD RESULTING FROM A RAINFALL INTENSITY OF FOUR INCHES PER HOUR SHALL NOT EXCEED ONE-HALF OF THE TRAVEL LANE ADJACENT TO THE GUTTER. FOR SITE PLANS, INLET SPACING SHALL BE DESIGNED TO ACCEPT DNE HUNDRED PERCENT OF THE RUNDFF FROM A RAINFALL INTENSITY OF FOUR INCHES (4") PER HOUR WITHOUT RESULTING IN PONDING OF WATER AROUND THE INLET.
- 15. FOR CONNECTIONS BETWEEN INLETS WITH PIPING 15" IN DIAMETER AND LARGER, THE MAXIMUM DISTANCES BETWEEN 31. THE CONTRACTOR SHALL PIG ALL PIPES 6 INCHES OR LARGER IN DIAMETER. LAUNCHING AND EXTRACTION POINTS INLETS AND/OR CLEAN-OUT JUNCTION BOXES SHALL BE 300 FEET. CULVERTS SHALL BE SLOPED TO MAINTAIN A MINIMUM SELF-CLEANING VELOCITY OF 2.5 FEET PER SECOND USING A MANNING'S 'N' OF 0.012. SPACING FOR CLEAN-OUTS AND INLETS FOR SMALLER PIPING SHALL BE REDUCED AND EVALUATED ON A CASE BY CASE BASIS. ALL STORMWATER INLETS SHALL MEET FOOT CRITERIA IN THE FOOT DESIGN STANDARD LATEST EDITION. 32. FOR PIPE FLUSHING, PIGGING, TESTING, AND TIE-IN CONNECTIONS, THE TOWN OF INDIATLANTIC RESERVES THE
- ALL GASKETS SHALL BE LUBRICATED BEFORE BEING INSTALLED. 18. ALL FITTINGS SHALL MEET THE MINIMUM RESTRAINED REQUIREMENTS PER ANSI/AWWA/EBAA, AND ALL PRESSURE PIPES UNDER THE ROADWAY SHALL BE RESTRAINED.

### SANITARY SEWER CONSTRUCTION & DESIGN NOTES

10. FOR ANY LAND DISTURBANCES OF ONE ACRE OR MORE, THE CONTRACTOR SHALL SUBMIT A COMPLETED NPDES 1. ALL WORK ON SANITARY SEWER FACILITIES OWNED OR PROPOSED TO BE OWNED BY THE CITY SHALL BE PERFORMED BY AN UNDERGROUND UTILITY CONTRACTOR OR GENERAL CONTRACTOR LICENSED IN THE STATE OF FLORIDA AND REGISTERED WITH THE CITY. 2. UPON CONSTRUCTION COMPLETION AND ACCEPTANCE OF THE SYSTEM, IT IS THE DESIGN ENGINEER'S

- RESPONSIBILITY TO ENSURE THAT THE SYSTEM IS PROPERLY CERTIFIED AND ACCEPTED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND AS-BUILTS ARE PROVIDED TO THE UTILITIES DEPARTMENT PRIOR TO ANY USE OF THE SYSTEM.
- 3. PLANS SHALL DIMENSION THE LOCATION OF ALL FORCE MAINS, VALVES, MANHOLES & LATERALS FROM THE BASELINE OF CONSTRUCTION AND FROM THE RIGHT-OF-WAY LINE. LANDSCAPE PLANS SHALL CLEARLY DEPICT THE LOCATION OF PLANTINGS RELATIVE TO THE LOCATION OF PUBLIC
- UTILITIES AND STORM WATER INFRASTRUCTURE ALL GRAVITY SANITARY SEWER MAINS SHALL BE A MINIMUM OF 8" DIAMETER. COMMERCIAL SERVICE LATERALS SHALL BE GREEN AND A MINIMUM OF 6" IN DIAMETER. OR LARGER. ALL SINGLE FAMILY RESIDENTIAL SERVICE LATERALS SHALL BE 6" SINGLE SERVICES WITH CLEAN OUTS INSTALLED AT PROPERTY LINES.
- 6. ALL GRAVITY SANITARY SEWER MAINS SHALL BE GREEN PVC SDR-26. ASTM D-3034. OR C-900 DR-18 MINIMUM PRESSURE CLASS 150. IN PLACES WHERE A MINIMUM COVER OF 4 FEET CANNOT BE MAINTAINED OR IN DEPTHS OF NO DISTURBANCE OF EXISTING OF PROPOSED CONSERVATION EASEMENTS, INFORME BOTTERS, INFORME BOTTERS, INFORME BOTTERS, INFORMATION EASEMENTS, INFORME BOTTERS, INFORMATION EASEMENTS, INFORMATION EASEMENT, INFORMATION EASEM
  - DUCTILE IRON PIPE (D.I.P.), CLASS 350, EPOXY LINED. ALL NON DUCTILE IRON PIPE HORIZONTAL DIRECTIONAL DRILL FORCE MAINS SHALL HAVE A MINIMUM WORKING PRESSURE OF 160 PSI. THE CITY MAY REQUIRE A HIGHER PRESSURE RATING DEPENDING ON SITE CONDITIONS. INSIDE DIAMETER OF NON D.I.P. HORIZONTAL DIRECTIONAL DRILL PIPE SHALL MATCH THE INSIDE DIAMETER OF CONNECTING PIPES. DIRECTIONAL DRILLS SHALL HAVE FUSED MJ ADAPTERS.
  - 8. ALL FITTINGS, VALVES, ETC. SHALL BE DUCTILE IRON (MJ OR FLANGED) AND RESTRAINED. ALL FORCE MAINS SHALL USE THRUST RESTRAINT AS CALCULATED BY A PROGRAM AVAILABLE AT (EBAA.COM). THE RESTRAINED JOINT LENGTHS SHALL BE SHOWN ON THE PLANS PROVIDED BY THE ENGINEER OF RECORD ALL RESTRAINED PIPE BELL JOINTS SHALL USE BELL RESTRAINTS. GRIPPER TYPE GASKETS CAN BE USED FOR
  - DUCTILE IRON PIPE JOINTS. CONCRETE THRUST BLOCKS ARE NOT PERMITTED. 10. ALL IN-LINE SANITARY SEWER FORCE MAIN VALVES SHALL BE PLUG VALVES UNLESS OTHERWISE NOTED. VALVES SHALL BE INSTALLED AT EACH END OF THE FORCE MAIN AND ON STUB OUTS.
- . ALL C-900 PVC DR-18 PIPE REQUIREMENTS REFERENCE THE C-900 STANDARDS. DR UPGRADES FOR BURST PROTECTION MAY BE REQUIRED WHEN USING THE C-900 STANDARDS. THE DURATION OF THE ENTIRE PROJECT. MAINTENANCE SHALL INCLUDE PERIODIC INSPECTION AND REMOVAL OF 12. MINIMUM GRAVITY SANITARY SEWER SLOPES ARE AS FOLLOWS: 8" PIPE 0.40%, 10" PIPE 0.28%, 12" PIPE
  - 0.22%, 15" PIPE 0.15%, OR OTHERWISE NOTED BY UTILITIES DEPT. 13. GRAVITY SANITARY SEWER LINES SHALL BE INSTALLED WHENEVER POSSIBLE UNDER PAVED AREAS WITHIN PUBLIC RIGHT-OF-WAYS. UTILITY EASEMENTS SHALL BE PROVIDED WHENEVER PUBLICLY-OWNED SEWER LINES ARE CONSTRUCTED OUTSIDE OF A PUBLIC RIGHT-OF-WAY.
  - 14. DURING PIPE INSTALLATION DEWATER THE GROUND SUFFICIENTLY TO KEEP THE GROUNDWATER ELEVATION A MINIMUM OF 6" BELOW THE PIPE BEING INSTALLED WITHIN THE AREA OF THE TRENCH. 15. ALL PIPES SHALL BE INSTALLED ON A FIRM FOUNDATION. SOFT OR SPONGY BEDDING FOR PIPES IS NOT
- ACCEPTABLE. ANY UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH A DRY, COMPACTED, GRANULAR MATERIAL SATISFACTORY TO THE CITY. WHERE THESE ITEMS REPRESENT THE MINIMUM REQUIREMENTS, THE TOWN OF INDIATLATIC RESERVES THE RIGHT 16. ON ALL EXCAVATION AND BACKFILLING THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING AND BRACING
  - IN ORDER TO PROVIDE A SAFE WORKING ENVIRONMENT. 17. ALL TRENCHES SHALL BE BACKFILLED WITH ACCEPTABLE MATERIAL AND COMPACTED TO THE SPECIFIED MINIMUM COMPACTION (95% IN UNPAVED AREAS AND 98% IN PAVED AREAS) AND THE OPTIMUM DENSITY BASED ON THE AASHTO T-180 MODIFIED PROCTOR TEST. \_18. ALL GASKETS SHALL BE LUBRICATED BEFORE INSTALLATION.
- INSTALLING EITHER WOOD BRACING OR ORANGE MESH FENCING. THIS PRACTICE IS ENCOURAGED. IF THE SILT FENCE 19. THE CONTRACTOR SHALL INSTALL A #12-GAUGE MINIMUM COPPER TRACER WIRE TAPED TO THE TOP OF THE PIPE AT INTERVALS NO GREATER THEN 4-FEET. COPPER WIRE SHALL HAVE A MIN. TENSILE STRENGH/BREAK LOAD OF 452 LBS. AND REQUIRES APPROVAL BY THE CITY FOR THE FULL LENGTH OF ALL SEWER FORCE MAINS. THE PIPE LOCATOR TAPE SHALL BE INSTALLED BETWEEN 15" AND 24" BELOW FINISHED GRADE OR AS DIRECTED BY THE MANUFACTURER. TAPE SHALL BE COLOR CODED GREEN FOR FORCE MAINS. LOCATER WIRE SHALL TERMINATE AT A LOCATION AND IN A MANNER CONVENIENT FOR CITY LOCATER STAFF. SUBJECT AREA TO ITS FINAL GRADE, THE CONTRACTOR SHALL INSTALL SEED AND MULCH OR SOD AND WATERING, 20. ALL SEWER LINES CONSTRUCTED OUTSIDE OF PUBLIC RIGHT-OF-WAYS WITHIN SIDE YARDS, BACKYARDS, AND OTHER POORLY ACCESSIBLE AREAS SHALL BE CONSTRUCTED OF GREEN C-900 PVC.
- ALL LOCAL COLLECTION SANITARY SEWER MANHOLES SHALL BE PRECAST WITH A MINIMUM INSIDE DIAMETER OF 4 THE PROJECT, SEEDING AND MULCHING AND OR/ SODDING IS TO BE PERFORMED PRIOR TO COMMENCING THE NEXT 22. STANDARD MANHOLES SHALL BE LOCATED AT INTERVALS NOT EXCEEDING 400 FEE FEET. MANHOLES OVER 6 FEET DEEP SHALL HAVE A MINIMUM 4 FT TALL PRE-CAST BOTTOM SECTION. 23. MANHOLE RIMS SHALL BE FLUSH WITH THE FINISH GRADE ELEVATION IN PAVED AREAS AND A MINIMUM OF 0.5
- FEET AND MAXIMUM OF 1.0 FOOT ABOVE GRADE IN UNPAVED AREAS. 24. THE CONTRACTOR SHALL CONSTRUCT SANITARY SEWER MANHOLES IN SUCH A WAY THAT SEWER LINES DO NOT INTERSECT SEALED JOINTS BETWEEN SECTIONS OF THE MANHOLE. 13. THE REMOVAL OF ALL VEGETATION AND TOPSOIL ON THE FUTURE ROADWAY, PARKING AND BUILDING LOT AREAS IS<sup>25.</sup> INDIVIDUAL SANITARY SERVICES SHALL NOT BE CONNECTED DIRECTLY INTO MANHOLES AND MUST BE CONNECTED
- TO SEWER MAINS BY USE OF WYE CONNECTIONS UNLESS OTHERWISE APPROVED. TEMPORARILY STOCKPILED AND USED AS TOPSOIL OVER PROPOSED GREEN AREAS SUCH AS PLANT BEDS, SODDED 26. SANITARY SEWER DROP MANHOLES SHALL ONLY BE USED UNDER SPECIAL CONDITIONS. DROPS LESS THAN 3.0' ARE NOT ALLOWED, INSIDE DROPS ARE NOT ALLOWED. 27. SANITARY SEWER MANHOLES WITH SEWER FORCE MAINS DISCHARGING DIRECTLY INTO THEM SHALL BE FIBERGLASS
  - OR POLY-ETHYLENE LINED. RETRO-FITTING OF MANHOLES WITH LINERS IS REQUIRED WHEN NEW CONNECTIONS ARE MADE. FIBERGLASS SHALL BE A MINIMUM 1/2" THICK UNLESS APPROVED OTHERWISE BY THE CITY. OTHER LINING METHODS AND MATERIALS MAY BE CONSIDERED ON A CASE BY CASE BASIS. UNDER CIRCUMSTANCES WHERE HYDROGEN SULFIDE IS A SIGNIFICANT CONCERN, MANHOLES UPSTREAM AND/OR DOWNSTREAM OF THE FORCE MAIN TIE-IN MAY BE REQUIRED TO HAVE LININGS INSTALLED.
  - 28. EZ-WRAP PLASTIC, AS MANUFACTURED BY PRESS SEAL GASKET CORPORATION, SHALL BE USED ON THE OUTSIDE OF ALL MANHOLE AND WETWELL JOINTS. APPLY ONE LAYER OF 9" WRAP CENTERED ON EACH JOINT.

## SITE CLEARING & GRADING NOTES (CONT'D)

APPROVED BY FDEP.

36-INCHES.

PRESENT

VALVES.

### POTABLE WATER CONSTRUCTION & DESIGN NOTES

1. A PERMIT SHALL BE REQUIRED PRIOR TO ENGAGING IN ANY DEWATERING OR CONSTRUCTION ACTIVITY THAT CHANGES THE IMPERVIOUS AREA OF LAND. DEWATERING ACTIVITIES INCLUDE THE REMOVAL OF GROUND WATER FROM A CONSTRUCTION SITE, ENCLOSED VAULT, COFFERDAM, OR TRENCHES, ALLOWING CONSTRUCTION OR MAINTENANCE IN A DRY ENVIRONMENT. 3. ALL WORK PERFORMED ON POTABLE WATER FACILITIES OWNED OR PROPOSED TO BE OWNED BY THE TOWN OF INDIATLANTIC SHALL BE CONSTRUCTED BY AN UNDERGROUND UTILITY CONTRACTOR OR GENERAL CONTRACTOR

LICENSED IN THE STATE OF FLORIDA .. 4. UPON CONSTRUCTION COMPLETION AND ACCEPTANCE OF THE SYSTEM, IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THAT THE SYSTEM IS PROPERLY CERTIFIED AND ACCEPTED BY THE DEPARTMENT OF HEALTH, AND THAT AS-BUILT DRAWINGS MEETING THE TOWN OF INDIATLANTIC REQUIREMENTS ARE PROVIDED TO

THE TOWN OF INDIATLANTIC AND ACCEPTED PRIOR TO ANY USE OF THE SYSTEM. 5. THE WATER DISTRIBUTION SYSTEM SHALL BE DESIGNED TO COMPLY WITH THE TOWN OF INDIATLANTIC'S FIRE (WATER) FLOW CODE.

6. EACH WATER SERVICE TERMINATION SHALL BE MARKED WITH 2" X 4" PRESSURE TREATED LUMBER EXTENDING 4' ABOVE GRADE DIRECTLY IN FRONT OF THE METER BOX WITH 2' OF ENDOTRACE POLY-TUBE OR APPROVED EQUAL COILED AND CAPPED WITH AN ELSTER HYDROSERT CAP INSIDE EACH METER BOX. 7. ALL WATER SERVICES SHALL BE MARKED WITH A " $\land$ " SAW CUT INTO THE CURB.

CONSTRUCTION.

10. DEWATERING ACTIVITIES SHALL KEEP THE GROUNDWATER ELEVATION A MINIMUM OF 6 INCHES BELOW THE WATER MAIN BEING INSTALLED. 11. ALL WATER MAINS SHALL BE INSTALLED ON A FIRM UNYIELDING FOUNDATION WITH ALL UNSUITABLE MATERIAL

(MUCK, ROCK, COQUINA, ETC.) REMOVED AND REPLACED WITH CLEAN GRANULAR MATERIAL. 12. TRENCHES SHALL BE BACKFILLED WITH MATERIAL ACCEPTABLE TO THE CITY WITH A MINIMUM COMPACTION OF 98% IN PAVED AREAS AND 95% IN UNPAVED AREAS IN ACCORDANCE WITH AASHTOT-180 MODIFIED PROCTOR TEST. 13. WHERE POTABLE WATER AND SANITARY SEWER MAINS CROSS WITH LESS THAN SIX (6) INCHES OF VERTICAL CLEARANCE OR WHERE THE SEWER MAIN IS ABOVE THE WATER MAIN, MEDIATION MUST BE REVIEWED AND

14. WATER MAINS SHALL BE CONSTRUCTED A MINIMUM OF 4 FEET BEHIND THE BACK OF CURB OR THE EDGE OF ROADWAY PAVEMENT. WHICHEVER IS GREATER. AS MEASURED FROM OUTSIDE WALL OF THE WATER MAIN. 15. 3 INCH METALIZED PIPE LOCATION TAPE SHALL BE LOCATED 15 INCHES TO 24 INCHES BELOW FINISHED GRADE OR AS SPECIFIED BY THE MANUFACTURER FOR ALL WATER LINES. BLUE TRACER WIRE SHALL BE ATTACHED TO ALL PIPES. WIRE RUNS SHALL BE CONNECTED WITH SILICONE FILLED WIRE CONNECTORS. SERVICES SHALL BE CONNECTED TO THE MAIN WIRE WITH SILICONE FILLED WIRE CONNECTORS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE AND TEST FOR CONTINUITY. IF A METER BOX IS NOT WITHIN 200 FEET OF A VALVE AND VALVE BOX AN ADDITIONAL VALVE BOX FOR TRACER WIRE IS REQUIRED. 16. SINGLE RESIDENTIAL WATER SERVICES SHALL BE A MINIMUM 1-INCH ENDOT, ENDOTRACE OR APPROVED EQUAL POLY-TUBE (MEETING THE SPECIFICATIONS OF NSF-14, AND AWWA C901.)

18. WATER MAINS LESS THAN 18" MAY USE POLYVINYL CHLORIDE (PVC) C900, OR C905, SHALL MEET AWWA REQUIREMENTS AND HAVE A MINIMUM DIMENSION RATIO (DR-18) PRESSURE CLASS 150. WATER MAINS 18" AND LARGER SHALL BE DUCTILE IRON PIPE (D.I.P.), CLASS 350, CEMENT LINED. ALL NON-DUCTILE IRON PIPE HORIZONTAL DIRECTIONAL DRILL WATER MAINS SHALL HAVE A MINIMUM WORKING PRESSURE OF 160 PSI. 19. DIRECTIONAL DRILLS SHALL HAVE FUSED MJ ADAPTERS.

20. ALL POTABLE WATER MAINS SHALL USE THRUST RESTRAINT AS CALCULATED BY A PROGRAM AVAILABLE AT EBAA.COM. THE RESTRAINED JOINT LENGTHS SHALL BE SHOWN ON PLANS PROVIDED BY EOR. 1. ALL FITTINGS, VALVES, ETC. SHALL BE DUCTILE IRON CEMENT LINED (MJ OR FLANGED) AND SHALL BE RESTRAINED 22. ALL RESTRAINED PIPE BELL JOINTS SHALL USE BELL RESTRAINTS OR GRIPPER TYPE GASKETS CAN BE USED FOR DUCTILE IRON PIPE JOINTS. CONCRETE THRUST BLOCKS ARE NOT PERMITTED. 23. WATER VALVES SHALL BE INSTALLED AT ALL STREET INTERSECTIONS AND AT A MAXIMUM SPACING OF 750

24. VALVES SHALL BE INSTALLED ON ALL LEGS OF WATER MAIN TEES EXCEPT ONE. 25. ALL FITTINGS SHALL MEET MINIMUM RESTRAINT REQUIREMENTS PER ANSI/AWWA/EBAA, AND ALL PRESSURE PIPES UNDER THE ROADWAYS SHALL BE RESTRAINED.

26. METER LENGTHS REQUIRED FOR WATER METERS INSTALLATION ARE AS FOLLOWS: 3/4" TO 2" METER REQUIRES 6'. 4" METER REQUIRES 12', 6" AND 8" METER REQUIRES 14', AND A 10" METER REQUIRES 20'. 27. ALL WATER VALVE BOXES SHALL BE ADJUSTED, INCLUDING DEBRIS CAP, AND CONCRETE COLLAR TO FINISHED GRADE. VALVE BOX LIDS SHALL BE PAINTED BLUE TO MAKE THEM CLEARLY VISIBLE. 28. UPON FINAL ACCEPTANCE OF NEW WATER SYSTEMS, WATER VALVES SHALL BE COMPLETELY OPENED BY UTILITIES PERSONNEL. THE CONTRACTOR SHALL NOT OPERATE ANY EXISTING VALVES WITHOUT A UTILITIES REPRESENTATIVE

29. ALL VALVES 2 INCHES AND SMALLER SHALL BE CURB STOPS. VALVES LARGER THAN 2 INCHES SHALL BE GATE

30. A MINIMUM OF ONE FIRE HYDRANT SHALL BE LOCATED AT EVERY INTERSECTION. OTHER FIRE HYDRANTS SHALL BE LOCATED TO PRODUCE A MAXIMUM 500 FOOT RADIUS OF COVERAGE. ALL FIRE HYDRANTS SHALL BE INSTALLED IN EASILY ACCESSIBLE LOCATIONS FOR FIRE PERSONNEL. THE PRIMARY HYDRANT PORT SHALL FACE THE STREET. SHALL BE DETERMINED BY THE CONTRACTOR AND UTILITY'S REPRESENTATIVE. REUSE WATER MAY ONLY BE USED FOR PIGGING OF LINES 14" OR LARGER AT THE UTILITY'S DIRECTION AND BE DIRECTLY DISCHARGED TO A SANITARY CONNECTION. APPROVED BY THE TOWN OF INDIATLANTIC. RIGHT TO REQUIRE WORK TO BE PERFORMED DURING PERIODS OF LOW FLOW (MIDNIGHT TO 8 A.M.) THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY'S REPRESENTATIVE AND WATER PLANT OPERATIONS TO SCHEDULE THE DATE AND TIME FOR THESE ACTIVITIES.

33. THE TOWN OF INDIATLANTIC RESERVES THE RIGHT TO PERFORM THE SAMPLING AND ANALYSIS FOR BACTERIOLOGICAL CLEARANCE OF THE WATER MAIN ANY RETESTING WILL BE AT THE CONTRACTORS EXPENSE 34. POTABLE WATER LINES SHALL NOT BE USED OR PLACED INTO SERVICE UNTIL CLEARANCE IS ACCEPTED BY BREVARD COUNTY HEALTH DEPARTMENT AND THE TOWN OF INDIATLANTIC.

35. BACKFLOW PREVENTERS (BFP) SHALL BE PLACED ON ALL POTABLE AND FIRE LINES SERVING COMMERCIAL AND RESIDENTIAL PROPERTIES. THE TYPE OF BACKFLOW PREVENTERS REQUIRED ARE AS FOLLOWS POTABLE WATER SERVICE; REDUCED PRESSURE ZONE (RPZ)(BFP) FIRE LINE SERVICING A FIRE SPRINKLER SYSTEM AND/OR PRIVATE FIRE HYDRANT; DOUBLE CHECK

VALVE ASSEMBLY FIRE LINE; DOUBLE CHECK VALVE ASSEMBLY

IN CASES WHERE A WATER LINE SERVES BOTH DOMESTIC AND FIRE SERVICES, A REDUCED PRESSURE ZONE BFP IS

### TRAFFIC CONTROL NOTES

CONTRACTOR SHALL PROVIDE FDOT W/ DETAILED MOT PLAN FOR REVIEW & APPROVAL PRIOR TO CONSTRUCTION OF OFFSITE IMPROVEMENTS CONTRACTOR SHALL PERFORM ALL PROJECT WORK IN ACCORDANCE WITH FDOT DESIGN STANDARDS, LATEST EDITION. NO LANE CLOSURES ARE PERMITTED BETWEEN THE HOURS OF 7 A.M. AND 7 P.M. NIGHT WORK MAY BE SCHEDULED TO LESSEN TRAFFIC IMPACT & INCONVENIENCE TO GENERAL PUBLIC AND MUST BE APPROVED BY CITY ENGINEER PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL OBTAIN PRIOR APPROVAL OF THEIR MAINTENANCE OF TRAFFIC (MOT) PLANS FOR ANY LANE

CLOSURES FROM THE TOWN OF INDIALANTIC TRAFFIC ENGINEERING DIVISION AT LEAST TWO (2) WEEKS IN ADVANCE OF ANY LANE CLOSURE. EXISTING SIGNING AND PAVEMENT MARKINGS TO BE MAINTAINED UNLESS SHOWN OTHERWISE IN THESE PLANS. 5. TWO (2) WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT ENTIRE LENGTH OF PROJECT. TWO (2) WAY ACCESS TO BUSINESSES AND PRIVATE DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. TEMPORARY DRIVEWAY CLOSURES MAY BE ALLOWED IF SHARED ACCESS IS AVAILABLE OR IF WRITTEN AUTHORIZATION FROM THE

PROPERTY OWNER IS PROVIDED TO THE TOWN OF INDIATLANTIC PRIOR TO COMMENCEMENT OF WORK ACTIVITIES. VARIABLE MESSAGE BOARDS SHALL BE INSTALLED 48 HOURS PRIOR TO LANE CLOSURES. CONTRACTOR IS RESPONSIBLE FOR ADEQUATE NUMBER OF BOARDS AND LOCATIONS, TO BE VERIFIED PRIOR TO COMMENCEMENT OF 8. ALL TRAFFIC CONTROL SIGN AND PAVEMENT MARKINGS SHALL COMPLY WITH THE F.D.O.T. ROADWAY AND TRAFFIC

DESIGN STANDARDS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. CURRENT EDITION. . CONTRACTOR TO MAINTAIN TRAFFIC AND PROPER DROP OFF CRITERIA PER INDEX 600. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING PROPER DEVICES WHEN A DROP OFF CONDITION CANNOT BE AVOIDED. 10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE GENERAL PUBLIC AND PUBLIC AGENCIES OF ROAD CLOSURES AT LEAST 48 HOURS IN ADVANCE.

				ZEV COHEN & ASSOCIATES, INC.	300 INTERCHANGE BLVD., STE. C ORMOND BEACH, FL 32174	WWW.ZEVCOHEN.COM
	CIVIL ENGINEERING	LANDSCAPE ARCHITECTURE	ENVIRONMENTAL	PLANNING	TRANSPORTATION	(EB 4516) (LC 62)
NO. DATE BY SUBMITTALS / REVISIONS 1 10-15-21 HK/JL TOWN OF INDIALANTIC, FDEP AND FDOT SUBMITTAL	2         10-21-21         HK/SM         PER TOWN OF INDIALANTIC COMMENTS           3         11-04-21         HK/SM         PER TOWN OF INDIALANTIC AND FDOT COMMENTS	4         11-08-22         HK         PER FDOT COMMENTS DATED 11-02-22           5         11-21-22         HK         SUBMITTAL TO FDOT AND TOWN OF INDIALANTIC	6 11-30-22 HK PER FDOT COMMENTS DATED 11-29-22 7 01-20-23 HK/SM PER TOWN OF INDIALANTIC COMMENTS			
		SURF STYLE AT INDIALANTIC	FINAL ENGINEERING PLANS	<b>CONSTRUCTION NOTES</b>		CITY OF INDIATLANTIC BREVARD COUNTY, FLORI
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	н	ALUK K	ILIC, P.E.,	NO.84244	1	

Know what's **below** Call before you dig.

SHEET: C3

OF





![](_page_13_Figure_0.jpeg)

1043 SI IRE STYLE AT INDIALANTIC'EINAL ENGINEERING PLANS\CADDWGS\06-08-21043PGD&DEP DWG - PRINTED 1 /20 /2023

![](_page_14_Figure_0.jpeg)

3 surf style at indialantic/final engineering plans\caddwgs\06-08-21043pgD&dep.Dwg - printed

![](_page_15_Figure_0.jpeg)

![](_page_15_Figure_3.jpeg)

![](_page_16_Figure_0.jpeg)

![](_page_16_Figure_1.jpeg)

![](_page_16_Figure_2.jpeg)

![](_page_16_Figure_3.jpeg)

Section E-E SCALE: HORIZ.: 1"=40' VERT.: 1"=4'

![](_page_16_Figure_5.jpeg)

### FDOT NOTES:

- 1. ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF -WAY SHALL BE IN ACCORDANCE WITH LATEST EDITION OF THE FDOT STANDARDS PLANS FOR ROAD AND BRIDGE CONSTRUCTION, 2021 SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE 2017 UTILITY ACCOMMODATION MANUAL.
- 2. ALL PAVEMENT MARKINGS PERTAINING TO FDOT PROPOSED DRIVEWAY CONNECTION SHALL BE THERMOPLASTIC.
- ALL RAISED PAVEMENT MARKERS(RPM) INSTALLED WITHIN THE FDOT RIGHT-OF-WAY AND PROPOSED DRIVEWAY CONNECTION SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX #706-001.
- 4. ALL EXCAVATIONS WITHIN TEN(10) FEET OF THE TRAVEL LANES AND GREATER THAN THREE(3) INCHES DEEP MUST BE FILLED IN OR HAVE A SHOULDER TREATMENT PLACED AT THE DROP-OFF PER INDEX #102-600 OF FDOT STANDARDS PLANS INDEXES AT THE END OF THE WORK DAY.
- CONTRACTOR SHALL CONTACT FDOT TWO WEEKS IN ADVANCE AND SET UP A PRE-CONSTRUCTION MEETING PRIOR TO STARTING ANY WORK IN FDOT RIGHT OF WAY.
- ALL TRAFFIC CONTROL DEVICES MUST BE IN PLACE BEFORE WORK CAN START.
- 7. MAINTENANCE OF TRAFFIC TO BE SUPERVISED BY A FDOT CERTIFIED WORK TRAFFIC SUPERVISOR.
- 8. ENGINEER'S CERTIFICATIONS TOGETHER WITH AS-BUILT PLANS ARE REQUIRED TO BE SUBMITTED WITHIN 30 DAYS OF COMPLETION WORK WITHIN FDOT RIGHT-OF-WAY.
- 9. IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO FDOT FACILITIES CAUSED BY CONSTRUCTION OF THE PROJECT.
- 10. PERMITTEE SHALL NOT BEGIN THE WORK WITHIN THE FDOT RIGHT-OF-WAY UNTIL A FDOT INSPECTOR IS PRESENT AT THE JOB SITE AND AGREES THAT PROPER PREPARATIONS HAVE BEEN MADE.
- 11. SOD ALL UNPAVED AREAS WITHIN FDOT RIGHT OF WAY THAT ARE DISTURBED BY CONSTRUCTION PER FDOT STANDARDS PLANS INDEX #570-010.
- 12. ALL SIDEWALK TO BE REMOVED AND REPLACED FROM JOINT TO JOINT AND HAVE ½" EXPANSION JOINTS (PREFORMED JOINT FILLER) PLACED BETWEEN OLD AND NEW SIDEWALK.
- 13. ALL AFFECTED SIDEWALKS, RAMPS, AND CROSSWALKS, WILL BE BUILT AND INSPECTED TO MEET CURRENT ADA REQUIREMENTS.

![](_page_16_Figure_20.jpeg)

![](_page_16_Figure_21.jpeg)

HALUK KILIC, P.E., NO.84244 NOT VALID WITHOUT SEAL

of **18** 

SHEET: C9

![](_page_17_Figure_0.jpeg)

![](_page_17_Figure_2.jpeg)

![](_page_18_Figure_0.jpeg)

UTILITIES ADMINISTRATION

J.R.P.

L.A.M.

DWG A-104

![](_page_18_Figure_1.jpeg)

![](_page_18_Figure_2.jpeg)

![](_page_18_Figure_3.jpeg)

![](_page_18_Figure_5.jpeg)

![](_page_18_Figure_6.jpeg)

![](_page_18_Figure_7.jpeg)

![](_page_19_Figure_0.jpeg)

CAST IRON/DUCTILE IRON

![](_page_19_Figure_2.jpeg)

![](_page_19_Figure_3.jpeg)

UTILITIES ADMINISTRATION

DRAWN

R.Z.O.

T.H.

![](_page_19_Figure_4.jpeg)

![](_page_19_Figure_9.jpeg)

					LANDSCAPE AKCHITECTURE		ENVIRONMENTAL		PI ANNING		I KAINSPOKI ALION	(FB 4516)
NO. DATE BY SUBMITTALS / REVISIONS	1 10-15-21 HKULL TOWN OF INDIALANTIC, FDEP AND FDOT SUBMITTAL	2 10-21-21 HK/SM PER TOWN OF INDIALANTIC COMMENTS	3 11-04-21 HK/SM PER TOWN OF INDIALANTIC AND FDOT COMMENTS	4 11-08-22 HK PER FDOT COMMENTS DATED 11-02-22	5 11-21-22 HK SUBMITTAL TO FDOT AND TOWN OF INDIALANTIC	6 11-30-22 HK PER FDOT COMMENTS DATED 11-29-22	7 01-20-23 HK/SM PER TOWN OF INDIALANTIC COMMENTS					
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compliance with this code.

DUMPSTER ENCLOSURE DETAIL

21043 SURF STYLE AT INDIALANTICVEINAL ENGINEERING PLANS\CADDWGS\11-17-21043DET.DWG - PRINTED 1/20/2023 1

Existing Roadway Edge Of Pavement <b>GENERAL NOTES</b> 1. A Soil Tracking Prevention Device (STPD) shall be constructed at locations designated by the engineer for points of egress from unstabilized areas of the project to public roads where off-site tracking of mud could occur. Traffic from unstabilized areas of the construction project shall be directed thru a STPD. Barriers, flagging, or other positive means shall be used as required to limit and direct vehicular egress across the STPD. 2. The Contractor may propose an alternative technique to minimize off-oite tracking of ordiment. The alternative means have a reviewed and	
<ul> <li>off-site tracking of seament. The alternative must be reviewed and approved by the Engineer prior to its use.</li> <li>3. All materials spilled, dropped, or tracked onto public roads (including the STPD aggregate and construction mud) shall be removed daily, or more frequently if so directed by the Engineer.</li> <li>4. Aggregates shall be as described in Section 901 excluding 901-2.3. Aggregates shall be FDDT size #1. If this size is not available, the next available smaller size aggregate may be substituted with the approval of the Engineer. Sizes containing excessive small aggregate</li> </ul>	R=20' MIN. DR AS SHOWN DN PLANS R/W
<ul> <li>will track off the project and are unsuitable.</li> <li>5. The sediment pit should provide a retention volume of 3600 cubic feet/acre of surface area draining to the pit. When the STPD is isolated from other drainage areas, the following pit volumes will satisfy this requirement:</li> <li>15' x 50'=100 ft.<sup>3</sup> 30' x 50'=200 ft.<sup>3</sup></li> <li>As an option to the sediment pit, the width of the swale bottom can be increased to obtain the volume. When the sediment pit or swale volume has been reduced to one half, it shall be cleaned. When a swale is used, synthetic bales or silt fence shall be placed along the entire length.</li> </ul>	0.3% min.
6. The swale ditch draining the STPD shall have a 0.02% minimum and a 1.0% maximum grade along the STPD and to the sediment pit.	
<ul> <li>8. The STPD shall be maintained in a condition that will allow it to perform its function. To prevent off-site tracking, the STPD shall be rinsed (daily when in use) to move accumulated mud downward thru the stone. Additional stabilization of the vehicular route leading to the STPD may be required to limit the mud tracked.</li> <li>9. A STPD shall be paid for under the contract unit price for Soil Tracking Prevention Device, EA. The unit price shall constitute full compensation for construction, maintenance, replacement of materials, removal, and</li> </ul>	R/W         N□TES:         1. VALLEY GUTTERS ARE REQUIR RDADWAYS AND DRIVEWAY CDI         2. VALLEY GUTTERS CAN BE USE         3. ALL MATERIALS ARE TD BE AI         LICENSED SDILS ENGINEER PR         4. COMPACTION, STABILITY & DEI         STANDARD PLANS FOR RDADWAY
restoration of the area utilized for the STPD; including but not limited to excavation, grading, temporary pipe (including MES when required), filter fabric, aggregate, paved turnout (including asphalt and base construction), ditch stabilization, approach route stabilization, sediment removal and disposal, water, rinsing and cleaning of the STPD and cleaning of public roads, grassing and sod. Synthetic Bale or Bale Type Barrier shall be paid for under the contract unit price for Synthetic Bales, LF. Silt fence shall be paid for under the contract unit price for Staked Silt Fence, LF.	5. VALLEY GUTTER SHALL HAVE 6. VALLEY GUTTER SHALL BE CE 7. EXPANSION JOINTS (TYPE A) (60') INTERVALS. 8. CONTROL JOINTS (TYPE B) SH 9. REFER TO FDOT STANDARD PL
10. The nominal size of a standard STPD is 15' x 50' unless otherwise shown in the plans. If the volume of entering and existing vehicles warrant, a 30' width STPD may be used if approved by the Engineer. When a double width (30') STPD is used, the pay quantity shall be 2 for each location.	VALLI
0 FDOT Design Standards Sheet No.	
KING PREVENTION DEVICE TYPE A 106	

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EY GUTTER DETAIL

		PF DE DF	PF		NO. DATE BY SUBMITTALS / REVISIONS		
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ILIC ID V	K S.D RV.	C 2			6 11-30-22 HK PER FDOT COMMENTS DATED 11-29-22		
, P.E MITF 5	7-21 WG DW	104 AM /CN			7 01-20-23 HK/SM PER TOWN OF INDIALANTIC COMMENTS	ENVIRONMENTAL	
E., N HOL	043 G	13 M //JI					
10.8 JT S OF	DE	L				PI ANNING	
4244 EAL	т		CONSTRUCTION DE	IAILO			& ASSOCIATES, INC.
<sup>4</sup> <b>1</b>							300 INTERCHANGE BLVD., STE. C
8						I KAINSPUKI ALIUN	UNMUNU BEACH, FL 321/4
							WWW ZEVCOHEN COM
			CITY OF INDIATLANTIC	BREVARD COUNTY, FLORIDA		(EB 4516) (LC 62)	

![](_page_23_Figure_0.jpeg)

**ROADWAY CURB CONSTRUCTION DETAIL** N.T.S.

![](_page_23_Figure_2.jpeg)

N.T.S.

![](_page_23_Figure_5.jpeg)

![](_page_23_Figure_6.jpeg)

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![](_page_23_Figure_8.jpeg)

![](_page_23_Figure_9.jpeg)

![](_page_23_Figure_10.jpeg)

 $\sim$  6" LIMEROCK BASE (LBR 100) COMPACTED TO 98%  $\sim$  MAXIMUM DENSITY (AASHTO T-180)

![](_page_23_Figure_11.jpeg)

	A SSOCIATES, INC. 300 INTERCHANGE BLVD., STE. C 0RMOND BEACH, FL 32174 WWW.ZEVCOHEN.COM
COAT EDGE ASPHALT BASE SUBBASE	CIVIL ENGINEERING LANDSCAPE ARCHITECTURE LANDSCAPE ARCHITECTURE ENVIRONMENTAL PLANNING TRANSPORTATION (EB 4516) (LC 62)
CONCRETE WEIR BAFFLE	DATE       BY       SUBMITTALS / REVISIONS         10-15-21       HKJL       TOWN OF INDIALANTIC, FDEP AND FDOT SUBMITTAL         10-21-21       HKSM       PER TOWN OF INDIALANTIC COMMENTS         11-04-21       HKISM       PER TOWN OF INDIALANTIC COMMENTS         11-04-21       HKISM       PER TOWN OF INDIALANTIC COMMENTS         11-01-22       HK       SUBMITTAL TO FDOT AND TOWN OF INDIALANTIC         11-21-22       HK       SUBMITTAL TO FDOT AND TOWN OF INDIALANTIC         11-20-23       HKISM       PER FDOT COMMENTS DATED 11-02-22         01-20-23       HKISM       PER FDOT COMMENTS DATED 11-29-22         01-20-24       HKISM       PER TOWN OF INDIALANTIC         01-20-23       HKISM       PER TOWN OF INDIALANTIC COMMENTS
Image: TOP_VIEW     C.I. FRAME       N.T.S.     C.I. FRAME	T INDIALANTIC EERING PLANS 'ION DETAILS 'BREVARD COUNTY, FLORIDA
DF CONCRETE WEIR BAFFLE 4.00	Initial and a series of the
D.35 INV. EL. =11.00 BOTTOM EL. = 10.35 FRONT VIEW N.T.S. DCS-1 STRUCTURE DETAIL N.T.S.	
N. 1.3.	HALUK KILIC, P.E., NO.84244 NOT VALID WITHOUT SEAL SHEET: C16 OF 18

PRODUCT MANAGER:	407-615-1659 ERIC.HENRY@ADS-PIPE.COM									
ADS SALES REP:	ALLAN HASH 321-303-4681									
PROJECT NO:	ALLAN.HASH@ADS-PIPE.COM S261751							тм		
		ç	SURF	<sup>;</sup> ST	Adv	anced Dr	rainage Syster	IALAN	NTIC	
					IND	IALAI	NTIC, FL			
SC-740 ST	ORMTECH CHAMBER	SPECIFICATIONS	5			IN	IPORTANT - N	IOTES FOR TH		AND INST
I. CHAMBERS S	HALL BE STORMTECH SC-740.					1.	STORMTECH SC PRE-CONSTRUC	-740 CHAMBERS SHAI TION MEETING WITH	LL NOT BE INSTAL THE INSTALLERS.	LED UNTIL TH
2. CHAMBERS S COPOLYMER	HALL BE ARCH-SHAPED AND SHALL BE MAN S.	IUFACTURED FROM VIRGIN, IMPAC	T-MODIFIED POLY	PROPYLENE		2.	STORMTECH SC	-740 CHAMBERS SHAI	LL BE INSTALLED	IN ACCORDAN
3. CHAMBERS S CORRUGATE	HALL MEET THE REQUIREMENTS OF ASTM D WALL STORMWATER COLLECTION CHAME	-2418-16a, "STANDARD SPECIFICA" ERS".		OPYLENE (PP	P)	3.	CHAMBERS ARE STORMTECH RE • STONESH • BACKFILL	NOT TO BE BACKFILL COMMENDS 3 BACKF DOTER LOCATED OFF AS ROWS ARE BUILT I	LED WITH A DOZE ILL METHODS: THE CHAMBER B USING AN EXCAV	R OR AN EXC. ED. ATOR ON THE
IMPEDE FLOV	V OR LIMIT ACCESS FOR INSPECTION.	ROCIED INTERNAL SPACE WITH	10 INTERNAL SUPP	OKISINAI	WOOLD		BACKFILL	FROM OUTSIDE THE E	EXCAVATION USIN	IG A LONG BO
5. THE STRUCT THAT THE LO	URAL DESIGN OF THE CHAMBERS, THE STR AD FACTORS SPECIFIED IN THE AASHTO LR	UCTURAL BACKFILL, AND THE INS FD BRIDGE DESIGN SPECIFICATIO	ALLATION REQUIR	REMENTS SH	ALL ENSURE OR: 1)	4. 5	I HE FOUNDATIO	IN STONE SHALL BE L	EVELED AND COM	
LONG-DURAT	ION DEAD LOADS AND 2) SHORT-DURATION AND MULTIPLE VEHICLE PRESENCES.	LIVE LUADS, BASED ON THE AASH	TTO DESIGN TRUCH	VITH CONS	SIDERATION	6.		UM - 6" (150 mm) SPA0		HE CHAMBER
6. CHAMBERS S "STANDARD F LOAD CONFIC MAXIMUM PE	HALL BE DESIGNED, TESTED AND ALLOWAE PRACTICE FOR STRUCTURAL DESIGN OF TH GURATIONS SHALL INCLUDE: 1) INSTANTANE RMANENT (75-YR) COVER LOAD AND 3) ALLO	BLE LOAD CONFIGURATIONS DETE ERMOPLASTIC CORRUGATED WAL COUS (<1 MIN) AASHTO DESIGN TR DWABLE COVER WITH PARKED (1-1	RMINED IN ACCOR L STORMWATER C UCK LIVE LOAD ON WEEK) AASHTO DE	DANCE WITH OLLECTION MINIMUM CO SIGN TRUCK	I ASTM F2787 CHAMBERS" OVER 2) <.	7. . 7. 8.	EMBEDMENT ST	ONE SURROUNDING ( OR MUST REPORT AN	CHAMBERS MUST	BE A CLEAN
	NTS FOR HANDLING AND INSTALLATION:					9.	ADS RECOMMEN	NDS THE USE OF "FLE	XSTORM CATCH	IT" INSERTS [
STACKI     TO ENS	NG LUGS. SURE A SECURE JOINT DURING INSTALLATION	IN AND BACKFILL, THE HEIGHT OF	THE CHAMBER JO	NT SHALL NO	OT BE LESS		STORMWATER N	ANAGEMENT SYSTEM	M FROM CONSTR	UCTION SITE
• TO ENS	". GURE THE INTEGRITY OF THE ARCH SHAPE I	DURING INSTALLATION, a) THE ARC	H STIFFNESS CON	ISTANT AS D		<u>N</u>	STOPUTO			
SECTIO DURING REFLEC	איז	THAN OR EQUAL TO 550 LBS/IN/IN RES (ABOVE 73° F / 23° C), CHAMBE	RS SHALL BE PRO	CHAMBER DUCED FRO	JEFORMATIC M	יאי 1. 2	THE USE OF CO		LE BE INSTALLED	IN ACCORDA
. ONLY CHAMB	BERS THAT ARE APPROVED BY THE SITE DES	SIGN ENGINEER WILL BE ALLOWE	). UPON REQUEST	BY THE SITE	DESIGN	۷.	NO EQUIPI     NO RUBBE	MENT IS ALLOWED ON R TIRED LOADERS, D	UMP TRUCKS, OR	S. REXCAVATOR
	R OWNER, THE CHAMBER MANUFACTURER CHAMBERS TO THE PROJECT SITE AS FOLL RUCTURAL EVALUATION SHALL BE SEALED	SHALL SUBMIT A STRUCTURAL EV. DWS:		PROVAL BEF	ORE		WITH THE     WEIGHT LI	"STORMTECH SC-310 MITS FOR CONSTRUC	/SC-740/DC-780 CO CTION EQUIPMEN	ONSTRUCTIC T CAN BE FO
THE ST     DEAD L	RUCTURAL EVALUATION SHALL BE SEALED RUCTURAL EVALUATION SHALL DEMONSTR OAD AND 1.75 FOR LIVE LOAD, THE MINIMUN	ATE THAT THE SAFETY FACTORS / M REQUIRED BY ASTM F2787 AND E	ARE GREATER THA	N OR EQUAL 0 12.12 OF TH	_ TO 1.95 FOF HE AASHTO	R 3.	FULL 36" (900 mr	n) OF STABILIZED CO	VER MATERIALS C	OVER THE CH
LRFD B • THE TE EXCEP	RIDGE DESIGN SPECIFICATIONS FOR THER! ST DERIVED CREEP MODULUS AS SPECIFIE T THAT IT SHALL BE THE 75-YEAR MODULUS	MOPLASTIC PIPE. D IN ASTM F2418 SHALL BE USED F USED FOR DESIGN.	OR PERMANENT [	DEAD LOAD D	DESIGN	US AC ST	E OF A DOZER TO P CCEPTABLE BACKF ANDARD WARRAN	PUSH EMBEDMENT ST LL METHOD. ANY CH 'Y.	ONE BETWEEN T AMBERS DAMAGI	HE ROWS OF Ed by the "[
9. CHAMBERS A	ND END CAPS SHALL BE PRODUCED AT AN	ISO 9001 CERTIFIED MANUFACTUR	ING FACILITY.			CC	ONTACT STORMTEC	H AT 1-888-892-2694 W	VITH ANY QUESTIC	ONS ON INST
s, INC.										
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		3.03"				- 98.85' -				
	1									
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![](_page_24_Figure_1.jpeg)

![](_page_24_Figure_2.jpeg)

![](_page_24_Figure_3.jpeg)

![](_page_24_Figure_4.jpeg)

![](_page_24_Figure_9.jpeg)

![](_page_25_Figure_0.jpeg)

![](_page_25_Figure_1.jpeg)

![](_page_25_Figure_3.jpeg)

									& ASSOCIATES, INC.	300 INTERCHANGE BLVD., STE. C	UNINOND BEACH, FL 321/4	WWW ZEVCOHEN COM	(LC 62)
						ENVIRONMENTAL		PLANNING			IRANSPORTATION		(EB 4516)
NO. DATE BY SUBMITTALS / REVISIONS	1 10-15-21 HK/JL TOWN OF INDIALANTIC, FDEP AND FDOT SUBMITTAL 2 10-21-21 HK/SM PER TOWN OF INDIALANTIC COMMENTS	3 [11-04-21] HK/SM PER TOWN OF INDIALANTIC AND FDOT COMMENTS	T TNDTALATANTTO 4 [11-08-22] HK PER FDOT COMMENTS DATED 11-02-22		6 11-30-22 HK PER FDOT COMMENTS DATED 11-29-22								BREVARD COUNTY, FLORIDA
PR( DES	DJEC SIGN	ED D E					13 M						CITY OF INDIATLANTIC
DR4 XRE XRE	ECKE	ED I G FI 210 210		H 11 BAS SUI	-17 S.D' RV.	-210 WG DW	043 G	DE	T				

CONTRACTOR TO FIELD VERIFY THE EXISTING UTILITY LINE HEIGHT AROUND THE PERIMETER OF THE PROPERTY & COORDINATE WITH THE LANDSCAPE ARCHITECT TO CONFIRM THAT IT DOES NOT CONFLICT WITH THE PROPOSED LANDSAPING

![](_page_26_Figure_1.jpeg)

2 TREE GRATE FRAME DETAIL

	6090 BOND STREET TREE GRATE
	60" x 60" tree grate in two sections.
	1/2" Maximum slot opening for pedestrian safety and A.D.A Compliance.
	Cast from 100% recycled Aluminum for pedestrian loads only.
	Tree opening: I 6" Grates can be ordered with or later expanded to these openings. * Specify when ordering.
	Finish: Black dip ¢ Powder coat
/4"	Use frame model: 6000F
	Weight: Aluminum=185 lb/85 Kg
n, manufactuing ,reproduction ,use,	IRONSMITH
garding it to any unauthorized person or ng may be covered completely or in part	41—701 Corporate Way #3   Palm Desert, CA 92260   800.338.4766

![](_page_26_Figure_6.jpeg)

![](_page_26_Figure_7.jpeg)

### NATIVE PLANTING REQUIREMENTS

CATEGORY	REQUIRED	PROVIDED
TREES, PALMS, SHRUBS, GRASSES ∉ GROUND COVER	75% MIN.	79%
SOD	75% MIN.	100%
TOTAL: (COLLECTIVE AVERAGE %)	75% MIN.	90%
PER L.D.C (ART.VII, SEC. I I 3-40 I.A), "75% OF SITE LANDS COVER, GRASSES, VINES, SHRUBS AND TREES, MUST BE THE TOTAL PERCENTAGE LISTED ABOVE REFLECTS THE CUN THE TWO CATEGORIES.	6CAPING, INCLL FLORIDA NATIV MULATIVE AVER	IDING GROUND E PLANTS". AGE BETWEEN

NATIVE * *	TREES CU CET MC	QTY 2 5 6	BOTANICAL NAME COCCOLOBA UVIFERA CONOCARPUS ERECTUS SERICEUS MYRICA CERIFERA	<u>COMMON NAME</u> SEA GRAPE SILVER BUTTONWOOD - TREE WAX MYRTLE
*	PALM TREES	QTY	BOTANICAL NAME	<u>COMMON NAME</u>
	SPI	9	SABAL PALMETTO	CABBAGE PALMETTO
	SP	18	SABAL PALMETTO	CABBAGE PALMETTO
	SHRUBS CUS CES CA IVN PTW YF YFB	QTY 18 48 11 29 34 25 19	BOTANICAL NAME COCCOLOBA UVIFERA CONOCARPUS ERECTUS SERICEUS CRINUM ASIATICUM ILEX VOMITORIA 'NANA' PITTOSPORUM TOBIRA `WHEELER`S DWARF` YUCCA FILAMENTOSA YUCCA FILAMENTOSA 'BRIGHT EDGE'	COMMON NAME SEA GRAPE SILVER BUTTONWOOD SPIDER LILY DWARF YAUPON HOLLY DWARF PITTOSPORUM ADAM'S NEEDLE BRIGHT EDGE ADAM'S NEEDLE
*	GRASSES	QTY	BOTANICAL NAME	COMMON NAME
	MUC	122	MUHLENBERGIA CAPILLARIS	MUHLY GRASS
	SB	50	SPARTINA BAKERI	SAND CORD GRASS
*	GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME
	EG	48	EVOLVULUS GLOMERATUS `BLUE DAZE`	BRAZILIAN DWARF MORNING G
	GP	91	GAILLARDIA PULCHELLA	BLANKETFLOWER
	JCC	50	JUNIPERUS CONFERTA `COMPACTA`	SHORE JUNIPER
	ZI	92	ZAMIA INTEGRIFOLIA	COONTIE
*	SOD	<u>QTY</u>	BOTANICAL NAME	COMMON NAME
	PVA	2,849 SF	PASPALUM VAGINATUM `ALOHA`	SEASHORE PASPALUM

![](_page_27_Figure_0.jpeg)

23. RECORD DRAWINGS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT 'REDLINED' MARK-UPS OF THE LANDSCAPE AND IRRIGATION IMPROVEMENTS. THESE AS-BUILT 'REDLINES' SHALL BE REPRESENTED ON ZEV COHEN & ASSOCIATES, INC. PLAN SHEETS AND PROVIDED TO THE LANDSCAPE ARCHITECT.

IRRIGATION NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING 'REDLINED' MARK-UPS OF THE IRRIGATION IMPROVEMENTS AND PROVIDE 1 THE LANDSCAPE ARCHITECT.

2. AN AUTOMATIC TIME CONTROLLED IRRIGATION SYSTEM WITH A RAIN SENSOR SHALL BE INSTALLED TO PROVIDE 100% HEAD TO HEAD COVERAGE OF ALL NEW PLANTINGS. IRRIGATION PLAN SHALL BE PROVIDED UPON SUBSTANTIAL SITE PLAN APPROVAL.

### LANDSCAPE SPECIFICATIONS

I. FLORIDA #1: ALL PLANT MATERIAL SHALL BE GRADE FLORIDA NO. I OR BETTER IN QUALITY AS DESIGNATED IN THE MOST RECE PUBLICATION OF "GRADES AND STANDARDS FOR NURSERY PLANTS", PUBLISHED BY THE FLORIDA DEPARTMENT AGRICULTURE AND CONSUMER SERVICES.

2. EXISTING PLANTS: IF EXISTING LANDSCAPING INTERFERES WITH PROPOSED PLANTINGS SHOWN ON PLAN, THE EXISTING LANDSCAPING IS TO BE REMOVED IN FAVOR OF THE NEW PLANTINGS, UNLESS OTHERWISE INDICATED. IF THE EXISTING VEGETATION IS INTENDED TO REMAIN, THE PROPOSED LANDSCAPING SHALL BE LOCATED AS CLOSE AS POSSIBLE TO ITS INTENDED

3. MULCH: ALL PLANTING BEDS SHALL BE TOP DRESSED WITH A MINIMUM OF 3" PINE BARK MULCH, GRADE "B" OR APPROVED EQUAL ALL TREES NOT IN BEDS SHALL HAVE A 5' DIAMETER MULCH RING. ALL PALMS NOT IN BEDS SHALL HAVE A 3' DIAMETER MULCH RING UNLESS OTHERWISE NOTED ON PLANS.

> SOD SHALL BE SEASHORE PASPALUM 'ALOHA' SOD. ALL SOD SHALL BE ROLLED UPON INSTALLATION. CONTRACTOR TO SOE ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION RELATED ACTIVITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE SOD IS FREE OF WEEDS & INSECTS UPON INSTALLATION AND FOR THE DURATION OF THE 90 DAY MAINTENANC PERIOD. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE NO GAPS BETWEEN SOD. SOD QUANTITY TAKEOFFS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

5. QUANTITIES: IN THE EVENT OF A VARIATION BETWEEN THE QUANTITIES SHOWN ON THE PLANT LIST AND THE QUANTITIES OF PLANTS SHOWN ON THE PLAN, THE PLAN SHALL CONTROL.

6. UNFORESEEN CONFLICTS: CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY PORTION OF THE LANDSCAPE PLAN AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNFORESEEN OBSTRUCTIONS, GRADE DIFFERENCES, STANDING WATER SOIL CONDITIONS OR OTHER CONFLICTS EXIST. SUCH UNFORESEEN CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

7. SUBSTITUTIONS: NO SUBSTITUTIONS OR VARIATIONS OF ANY PLANT MATERIAL OR ITS INSTALLED LOCATION SHALL BE PERMITTED WITHOUT THE PRIOR CONSENT OF THE LANDSCAPE ARCHITECT.

8. CONTAINERS: IF GALLONAGE FOR PLANTS OR TREES IS SHOWN THEY SHALL BE CONTAINER GROWN AND THE SIZE SHOWN SHALL REPRESENT THE MINIMUM ALLOWABLE GALLONAGE. IN ALL CASES THE PLANT SPECIFIED SIZE SHALL GOVERN OVER THE GALLONAGE INDICATED.

9. PLANTING SOIL: CONTRACTOR SHALL VERIFY THAT SOIL CONDITIONS ARE SUITABLE TO THE PLANT SPECIES SPECIFIED. IF SOIL CONDITIONS ARE DEEMED UNSUITABLE FOR PROPER PLANT HEALTH, CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT AND PROPER SUBSTITUTIONS SHALL BE SPECIFIED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. TH CONTRACTOR SHALL REMOVE LIME ROCK, CONCRETE AND OTHER DELETERIOUS DEBRIS FROM PLANTING BEDS. IF DEBRI IS INTEGRATED IN THE SOIL, THE SOIL MUST BE EXCAVATED AND REPLACED WITH ACCEPTABLE SOIL. ALL FILL TO BE PLACED IN LANDSCAPE AREAS MUST HAVE A PH RANGE BETWEEN 5.8 AND 7.5, BE ORGANIC IN NATURE, AND BE FREE OF ROCKS

10. TOPSOIL: TOPSOIL MATERIAL SHALL BE FREE FROM ALL HARD CLODS, WEEDS, STONES OVER I" IN DIAMETER, CLAY, HARD PAN NOXIOUS OR OTHER UNDESIRABLE PLANTS, SOD, INSECTS, SEEDS, OR MATERIAL WHICH MAY BE HARMFUL FOR GROWTH.

> IF PRESENT, THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ANY WEEDS FROM PLANTING AND SOD AREAS PRIOR TO THE INSTALLATION OF PROPOSED PLANT MATERIAL AND MULCH COVER. CONTRACTOR SHALL BE RESPONSIBLE TO KEEP BEDS AND SOD FREE OF WEEDS FOR THE DURATION OF THE 90 DAY MAINTENANCE PERIOD.

12. GRADING: UNLESS OTHERWISE STATED ON THESE PLANS, THE LANDSCAPE CONTRACTOR SHALL FINE GRADE ALL AREAS TO BE PLANTED AND SODDED IN ORDER TO ELIMINATE BUMPS AND DEPRESSIONS. FINE GRADING SHALL BE DEFINED AS THE FINAL 2" OF GRADE TO BE ACHIEVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND RE-GRADING WASHOUT AREAS CAUSED BY EROSION UNTIL FINAL ACCEPTANCE OF THE PROJECT.

13. STAKING: ALL TREES AND PALMS ARE TO BE STAKED ACCORDING TO THE DETAILS IN THESE PLANS. IF THE CONTRACTOR PREFERS TO USE OTHER STAKING METHODS THAN SHOWN IN THE DETAILS, HE OR SHE MUST SUBMIT PROPOSED STAKING DETAILS TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. THE LANDSCAPE CONTRACTOR SHALL STRAIGHTEN REPAIR, AND/OR REPLACE ANY PLANTS DAMAGED BY FAILURE TO PROPERLY STAKE OR GUY ANY TREES & PALMS ON SITE, A THEIR OWN EXPENSE.

14. BED LINES: CONTRACTOR TO ENSURE CURVILINEAR LANDSCAPE BEDS ARE TO BE EDGED WITH SMOOTH FLOWING CURVES STRAIGHT-LINE LANDSCAPE BEDS ARE TO BE EDGED IN A STRAIGHT LINE PARALLEL TO ADJACENT STRUCTURES UNLESS DESIGNED OTHERWISE.

15. FERTILIZER: OSMOCOTE SLOW RELEASE FERTILIZER OR EQUIVALENT SHALL BE APPLIED TO ALL TREE, SHRUB, AND GROUNDCOVER PLANTING AREAS AT THE RATE OF THREE (3) TABLESPOONS PER 2 S.F. OF PLANTING AREA.

I.G. DRAINAGE: THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT THIS WORK DOES NOT INTERRUPT EXISTING OR PROPOSED DRAINAG PATTERNS AND SHALL NOTIFY THE OWNERS REPRESENTATIVE IMMEDIATELY SHALL A CONFLICT ARISE. CONTRACTOR IS RESPONSIBLE FOR ALL LANDSCAPE/SOD AREAS TO PROPERLY DRAIN AWAY FROM BUILDINGS/STRUCTURES.

17. SPECIFICATIONS: THE LANDSCAPE ARCHITECT SHALL BE PERMITTED THE RIGHT DURING INSTALLATION, TO REJECT ANY AND ALL PLANT MATERIAL AND WORKMANSHIP WHICH IN HIS OR HER OPINION DOES NOT MEET THE REQUIREMENTS OF THESE SPECIFICATIONS.

18. PLANT SELECTION: THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF THE NURSERY PLANT SOURCE LOCATION A MINIMUM  $\overline{\mathsf{OF}}$  72 HOURS PRIOR TO PURCHASING THE MATERIAL. THE LANDSCAPE ARCHITECT SHALL ACCOMPANY THE CONTRACTOR AND THEIR DESIGNATED LANDSCAPE CONTRACTOR TO THE NURSERY TO REVIEW THE PLANT MATERIAL TAGGED BY TH CONTRACTOR. THE LANDSCAPE ARCHITECT WILL REVIEW THE TAGGED MATERIAL TO BE PURCHASED TO GENERALLY CONFIRM IT MEETS THE SPECIFICATION STANDARDS (STATED IN NOTE #1). THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE QUALITY. SPECIFICATION, INSTALLATION, AND SURVIVORSHIP OF THE PLANT MATERIAL.

19. TURNOVER: CONTRACTOR SHALL CONTACT OWNERS REPRESENTATIVE FOR A TURNOVER DATE TO INCLUDE A WALK-THROUGH AND ACCEPTANCE OF WORK BY THE LANDSCAPE ARCHITECT OR OWNER. ANY WORK DEEMED UNACCEPTABLE SHALL BE CORRECTED IMMEDIATELY AND RE-INSPECTED AS SCHEDULED.

20. MAINTENANCE: CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE TO BEGIN AFTER EACH PLANT HAS BEEN INSTALLED AND SHALL CONTINUE 90 DAYS AFTER FINAL WRITTEN ACCEPTANCE BY THE OWNER. MAINTENANCE SHALL INCLUDE WATERING, PRUNING WEEDING, MULCHING, MOWING, REPLACEMENT OF SICK OR DEAD PLANTS, AND ANY OTHER CARE NECESSARY IN ORDER TO MAINTAIN PROPER PLANT HEALTH AND SOIL MOISTURE CONTENT.

21. GUARANTEE: CONTRACTOR SHALL GUARANTEE AND REPLACE ALL INSTALLED PLANT MATERIAL FOR ONE (1) CALENDAR YEAR STARTING FROM THE TURNOVER DATE FOR WORK FOUND ACCEPTABLE. ANY CORRECTED WORK SHALL HAVE A PROPORTIONAL EXTENSION OF WARRANTY ONCE APPROVED. ANY SICK OR DEAD MATERIAL SHALL BE REPLACED IMMEDIATELY. THE LANDSCAPE CONTRACTOR SHALL NOT BE RESPONSIBLE TO HONOR ANY WARRANTY FOR THE LOSS OF ANY PLANT MATERIA CAUSED BY FLOODING, FIRE, ABNORMAL FREEZING TEMPERATURES, WINDS OVER 50 MPH, LIGHTNING, ANY OTHER NATURAL DISASTER, OR ANY LOSS/DAMAGE CAUSED BY VANDALISM OR NEGLIGENCE ON THE PART OF THE OWNER.

22. CALL BEFORE YOU DIG: CONTRACTOR SHALL NOTIFY SUNSHINE 811 AND HAVE UTILITIES LOCATED, PRIOR TO DIGGING, BY CALLING 81 CONTRACTOR SHALL NOT PLANT TREES WITHIN 3' OF AN UNDERGROUND UTILITY, EITHER AS LOCATED OR AS SHOWN ON THE PLAN. WITHOUT FIRST OBTAINING WRITTEN PERMISSION FROM OWNER'S REPRESENTATIVE.

NC.       DATE       BY       SUBMITTALS / REVISIONS         1       10-15-21       HKJJ.       TOWN OF INDIALANTIC, FDEP AND FDOT SUBMITTAL         2       10-21-21       HK/SW       PER TOWN OF INDIALANTIC, FDEP AND FDOT SUBMITTAL         3       11-04-21       HK/SW       PER FDOT COMMENTS         4       11-08-22       HK       SUBMITTAL TO FDOT AND TOWN OF INDIALANTIC         5       11-30-22       HK       SUBMITTAL TO FDOT AND TOWN OF INDIALANTIC         6       11-30-22       HK/SW       PER FDOT COMMENTS DATED 11-29-22         7       01-20-23       HK/SW       PER FDOT COMMENTS COMMENTS         7       01-20-23       HK/SW       PER FDOT COMMENTS         8       11-30-22       11-30-22       11-30-22         7       01-20-23       HK/SW       PER FDOT COMMENTS         8       1       11-30-22       11-30-22         9       1       11-30-22       11-30-32         10       1       11-30-22       11-30-32         <	SURF STYLE AT INDIALANTIC       No. Date by submittal releand for submit releand for submit releand for submit releand for submittal rel	CIVIL ENGINEERING	NDSCAPE ARCHITECTURE	ENVIRONMENTAL	PLANNING	TRANSPORTATION	(LC 62)
	SURF STYLE AT INDIALANTI FINAL ENGINEERING PLAN LANDSCAPE PLAN & DETAIL	NO.     DATE     BY     SUBMITTALS / REVISIONS       1     10-15-21     HK/JL     TOWN OF INDIALANTIC, FDEP AND FDOT SUBMITTAL       2     10-21-21     HK/SM     PER TOWN OF INDIALANTIC COMMENTS       3     11-01-21     HK/SM     DEP TOWN OF INDIALANTIC COMMENTS	C 11-22 HK SUBMITTAL TO FOOT AND TOWN OF INDIACAMINE	6 11-30-2P HK PER FDOT COMMENTS DATED 11-29-22 7 01-20-2B HK/SM PER TOWN OF INDIALANTIC COMMENTS			

JAKE STEHR, RLA 6667462 NOT VALID WITHOUT SEAL

SHEET: LA2 OF

![](_page_28_Figure_0.jpeg)

Exterior lighting fixtures and lamps must be selected to meet established criteria which minimizes impacts to marine turtles. FWC recommendation of this fixture table does not relieve the applicant from the responsibility of meeting the established criteria once construction has occurred. Upon installation, if the criteria are not met, the fixtures, bulbs and or lamps must be shielded, replaced, realigned, or otherwise modified to meet the criteria. All site lighting installed under a DEP permit must be fully compliant with local lighting regulations, where applicable, and must not cause a disorientation or take of a marine turtle as defined under the Federal Endangered Species Act.

:	Surf Style Ret	tail			Submitted by:	Elliott S	iteen	]		FWC Reviewer:
ers:					Submittal Date:	4/22/2	2022			FWC Stamp Date:
					Drawing/Plan Date:					
ended th	at this document be printed on le	egal size paper. Co	olumn/row sizes or print area can be adjusted as necess	sary.		1		J	Note: The last three (gra	ay) columns will be completed by FWC staff.
ture Intity	Fixture/Mounting Type	Fixture Mounting Height	Manufacturer and Catalog No.	Lamp Type, Color and Wattage	Structure Level <sup>2</sup> Each structure level must be on a separate row.	Location of Fixture <sup>1</sup>	Drawing Sheet Number	Labeled Cut Sheet Provided (Y/N)	Recommended by FWC (Y/N)	Reason Not Recommended <sup>3</sup> and/o
8	Wall Light	8'	GENERATION LIGHTING OL8600RSZ/T	LED, Amber 7W	Ground	B, L, S	ES101	Y		
6	Wall Light, Surface Mount	8'	LITON WD1360-BZ-TAM-LVR	LED, Amber 23W	Ground	B, L, S	ES101	Y		
24	RECESSED	10'	L-016-F-FR-5W-A-NFL-FIN-BK	LED, Amber, 5W	Ground	B, L, S	ES101	Y		
2	RECESSED	30'	LITON CH628UE-D10/CR6L22BBF-TAM	LED, Amber, 28W	Tower	B, L, S	ES101	Y		
4	Pole Lights	12'	VISIONAIRE VSX-II-T4-48LC-5-TS-UNV-AM-BZ-HSS	LED, Amber, 78W	Parking Lot	S	ES101	Y		
3	Pole Lights	12'	VISIONAIRE VSX-II-T5-48LC-5-TS-UNV-AM-BZ-HSS	LED, Amber, 78W	Parking Lot	S	ES101	Y		
		1			1					

			SITE LUMINAIRE S	CHEDL	JLE			
TAG	TYPE	MANUFACTURER	CATALOG NUMBER	VOLT	LAMP	TOTAL WATTS	INSTALLATION	REMARKS
PL4-HS	POLE LIGHT WITH SHIELD	VISIONAIRE LIGHTING	VSX-II-T4-48LC-5-TS-UNV-AM-BZ-HSS	120	LED, AMBER	78	POLE MOUNT @ 12'	1,3
PL5-HS	POLE LIGHT WITH SHIELD	VISIONAIRE LIGHTING	VSX-II-T5-48LC-5-TS-UNV-AM-BZ-HSS	120	LED, AMBER	78	POLE MOUNT @ 12'	2,3
SF	DOWNLIGHT	BEACHSIDE LIGHTING	L-016-F-FR-5W-A-NFL-FIN-BK	120	LED, AMBER	5	RECESSED CEILING	3,4
SF2	DOWNLIGHT	LITON LIGHTING	CH628UE-D10/CR6L22BBF-TAM	120	LED, AMBER	28	RECESSED CEILING	3,4
WC	CYLINDRICAL WALL LIGHT	LITON LIGHTING	WD1360-BZ-TAM-LVR	120	LED, AMBER	23	WALL MOUNT @ 11' 8"	3
WL	GOOSENECK WALL LIGHT	GENERATION LIGHTING	OL8600RSZ/T	120	LED, AMBER	7	WALL MOUNT @ 11' 4"	3

GENERAL NOTES, LUMINAIRE SCHEDULE 1. MODEL IS GIVEN FOR QUALITY ONLY, SUBSTITUTE LIGHT FIXTURES SHALL BE OF EQUAL OR GREATER QUALITY AND MATCH THE DESIGN INTENT OF THE ENGINEER/LIGHTING SYSTEM DESIGNER. 2. ALL FIXTURES TO BE PROVIDED WITH LAMPS INSTALLED. ALL LAMPING TO BE ENERGY EFFICIENT LED OR COMPACT FLUORESCENT.

3. ALL FIXTURES TO BE PROVIDED WITH REQUIRED MOUNTING HARDWARE FOR INSTALLATION TYPE SHOWN. VERIFY FINAL CEILING TYPES WITH ARCHITECTURAL PLANS PRIOR TO ORDERING. 4. ANY SITE LIGHTING SUBSTITUTIONS SHALL BE ACCOMPANIED BY COMPLETE POINT-BY-POINT SITE PHOTOMETRICS AND SHALL MEET DESIGNED LIGHT LEVELS AND CUT-OFFS. ANY SUBSTITUTIONS SUBMITTED WITHOUT CALCULATIONS WILL BE REJECTED.

5. ALL FINISHES AND COLORS SHALL BE VERIFIED WITH THE OWNER/ARCHITECT PRIOR TO ORDERING.

6. PROVIDE ALL REQUIRED CONTROL WIRING, FIXTURE MODULES, DEVICES, ETC. TO ACCOMMODATE CONTROLS AS INDICATED ON FLOOR PLANS, INCLUDING, BUT NOT LIMITED TO: DIMMING, AUTOMATIC ON/OFF, DAYLIGHT HARVESTING, ETC.

REMARKS, LUMINAIRE SCHEDULE

1. FIXTURE WITH TYPE IV DISTRIBUTION. 2. FIXTURE WITH TYPE V DISTRIBUTION.

3. FIXTURE TO BE PROVIDED WITH AMBER LIGHTING.

4. FIXTURE TO BE PROVIDED WITH 360° SHIELDING.

![](_page_28_Figure_12.jpeg)

![](_page_28_Figure_13.jpeg)

5

	VOLT PHAS AIC R	AGE: E: ATING:	PAN 208Y/120V 3Ф WIRE: SEE RISER	AW MAIN NEU	RD RATIN N BREA TRAL S	G: AKER: IZE:	<b>N</b> 800A 800A 100%	/ID	Ρ		LOCA MOL ISO.	CHE ATION: JNTING GROUP		STOCKF SURFAC	ROOM CE TVSS:	Ν		
NOTE	TYPE	LOAD	DESCR	IPTION	BRA	NCH	C	IRCUI	Т	BRA	NCH			DESCRIP	ΓΙΟΝ	LOAD	ТҮРЕ	NOTE
		47064			C/B	P	#	Φ	#	C/B	P	DANE						
	E	17364	PANEL A		200	3	1	A	2	200	3	PANE	ΓВ			14122		
	E	17364	{				5	В	4							14122		
	E	1/304	SDACE			1	2 7		0		1	SDAC	5			14122		
			SPACE			1	9	B	0			SPAC	F					
			SPACE			1	11	C	12		1	SPAC	<u>F</u>					
			SPACE			1	13	A	14		1	SPAC	E					
			SPACE			1	15	B	16		1	SPAC	E					
			SPACE			1	17	С	18		1	SPAC	E					
			SPACE			1	19	Α	20		1	SPAC	E					
			SPACE			1	21	В	22		1	SPAC	E					
			SPACE			1	23	С	24		1	SPAC	E					
			SPACE			1	25	Α	26	60	3	RTU-1	L			6240	E	
			SPACE			1	27	В	28							6240	E	
			SPACE			1	29	С	30							6240	E	
	E	6240	RTU-2		60	3	31	Α	32	60	3	RTU-3	3			6240	E	
	E	6240	-				33	В	34							6240	E	
	E	6240	DTU 4		60		35	C	36			DTU				6240	E	
	E	6240	RTU-4		60	3	37	A	38	80	3	IKIU-5	0			8646	E	
	E	6240	-				39	В	40							8646	E	
	E	6240					41	С	42							8646	E	
			ТҮРЕ	CONNECTED LOAD (VA)	NEC F	DEM ACTO	AND R	NEC LC	DEM	AND 'A)								_
	R	RECEP	TACLES ≤ 10KVA	-		1.00			-		l		PHAS	SE A LOA	D =	65091	VA	
		RECEP	TACLES > 10KVA	-		0.50			-		ļ		PHAS	se b loa	D =	65091	VA	
	L	LIGHTI	NG	-		1.25			-		1		PHAS	SE C LOA	D =	65091	VA	
	М	LARGE	ST MOTOR	-		1.25			-									
		REMAI	NING MOTORS	-		1.00			-		ļ							
	Н	HEATI	NG (RESISTIVE)	-		1.25			-		1		NEC	DEMAND	DLOAD =	542	А	
	E	EQUIP	MENT	195274		1.00		:	19527	4	1		SPAF	RE CAPAC	CITY =	258	А	
	К	KITCHE	EN EQUIPMENT	-		0.65			-				TOT	AL AVAIL	ABLE =	800	A	J
		TOTAL	•	195274					19527	4	J							
	NOTE	ES:	1 PROVIDE G 2 PROVIDE LO	FCI-PROTECTED C OCK-ON TYPE BRE	CIRCUI EAKER,	T BRE. RED	AKER. N COL	.OR.										

	EQUIPMENT
EQUIP. #	DESCRIPTION
EF-1	EXHAUST FAN
RTU-1	ROOFTOP UNIT
RTU-2	ROOFTOP UNIT
RTU-3	ROOFTOP UNIT
RTU-4	ROOFTOP UNIT
RTU-5	ROOFTOP UNIT
EWH-1	ELECTRIC WATER HEATER
GENERAL NOTES, EQUI	PMENT CONNECTION SCHEDULE
1. SCHEDULE IS TO INE	DICATE CONNECTIONS TO MECHANIC

D MECHANICAL DEVICES, AUXILIARY DEVICES, AND OTHER SUCH UTILIZATION EQUIPMENT. DISTRIBUTION EQUIPMENT, INCLUDING BUT NOT LIMITED TO PANELBOARDS, TRANSFORMERS, AND STARTERS IS GENERALLY SHOWN ON PLANS AND ONE-LINE DIAGRAMS.

9. "AU" INDICATES AT UNIT.

10."NF" INDICATES NOT FUSED.

11."SNAP" INDICATES MOTER-RATED SNAP ON/OFF SWITCH. NOTES, EQUIPMENT CONNECTION SCHEDULE 1. INTERLOCK WITH SWITCHED LEG OF LOCAL LIGHTING CIRCUIT.

2. EQUIPMENT PROVIDED WITH INTEGRAL 120V CONVENIENCE OULET.

			PAN	IELBOAI	RD			A			S(	CHEDULE								PA
	VOLT PHAS AIC R	AGE: E: ATING:	208Y/120V 3Φ WIRE: SEE RISER	4W MAIN NEUT	RATIN N BREA FRAL S	G: AKER: SIZE:	200A MLO 100%	, ,			LOC MOI ISO.	ATION: STOCKROOM JNTING: SURFACE GROUND: N TVSS:	Y					VOLT PHAS AIC R	AGE: E: ATING:	208Y/ 3Ф WIRE: SEE R
NOTE	TYPE	LOAD	DESCR	IPTION	BRA C/B	NCH	( #	CIRCU	IT #	BRA C/B	NCH	DESCRIPTION	LOAD	ТҮРЕ	NOTE		NOTE	TYPE	LOAD	D
1	L	1190	LIGHTING - SALE	S BACK ENTRY	20	1	1	A	2	20	r 1	LIGHTING - SALES RM	1190	L	1			E	1000	SECURITY SI
1	L	1190	LIGHTING - SALE	S RM	20	1	3	В	4	20	1	LIGHTING - SALES RM	1190	L	1			E	1000	SECURITY SI
1	L	1190	LIGHTING - SALE	S RM	20	1	5	C	6	20	1	LIGHTING - SALES RM	1190	L	1			E	1000	SECURITY SE
1		1190	LIGHTING - SALE	S RM	20	1	7	A	8	20	1	LIGHTING - SALES RM	1190		1			E	1000	SECURITY SI
1	L	1190	LIGHTING - SALE	S RM	20	1	11	c	12	20	1	LIGHTING - SALES RM	1190	L	1			R	1000	RECEPTS - O
1	L	952	LIGHTING - SALE	S FRONT/POS	20	1	13	Α	14	20	1	LIGHTING - FITTING/STOCK	816	L	1			R	1000	RECEPT - AB
1	L	517	LIGHTING - EXTE	RIOR WALL	20	1	15	В	16	20	1	LIGHTING - EXTERIOR WALL	359	L	1			R	1000	RECEPT - AB
1		1000	LIGHTING - EXTE		20	1	17	C	18	20	1	LIGHTING - EXTERIOR SIGN	1000	L	1			R	1000	RECEPT - AB
1,2		546	LIGHTING - EXTE	ING LOT	20		21	B	20	20	1	LIGHTING - EXTERIOR SIGN	125		1			R	1000	RECEPT - AB
	L	500	LIGHTING - WIND	DOW LED	20	1	23	C	24	20	1	LIGHTING - WINDOW LED	500	L				R	1000	RECEPT - AB
	L	500	LIGHTING - WIND	DOW LED	20	1	25	Α	26	20	1	LIGHTING - WINDOW LED	500	L				R	1000	RECEPT - AB
	L	500	LIGHTING - WIND	DOW LED	20	1	27	B	28	20	1	LIGHTING - WINDOW LED	500	L ·				R	1000	RECEPT - AB
		500			20	1	29		30	20	1		500					R	1000	RECEPT - AB
		500	LIGHTING - WIND	DOW LED	20	1	33	B	34	20	1	LIGHTING - WINDOW LED	500	L				R	1000	RECEPT - AB
	R	900	RECEPTS - EXTER	IOR	20	1	35	С	36	20	1	RECEPTS - GENERAL	540	R				R	1000	RECEPT - AB
	R	900	RECEPTS - GENER	RAL	20	1	37	Α	38	20	1	RECEPTS - GENERAL	900	R				R	1000	RECEPT - AB
	R	900	RECEPTS - GENER	RAL	20	1	39	B	40	20	1	RECEPTS - ABOVE DOOR	500	R				R	1000	RECEPT - AB
	R	500	RECEPTS - ABOV	E DOOR E DOOR	20		41		42	20	1	RECEPTS - ABOVE DOOR	500	R				R	1000	RECEPT - AB
	E	1200	DOOR ALARM	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20	1	45	B	46	20	1	ROLL-UP DOOR	1000	E				R	1000	RECEPT - AB
	E	360	RECEPTS - TELEC	ОМ	20	1	47	С	48	20	1	RECEPTS - TELECOM	360	Е				R	1000	RECEPT - AB
	R	180	RECEPTS - MAIN	FLOOR	20	1	49	A	50	20	1	RECEPTS - MAIN FLOOR	180	R				R	1000	RECEPT - AB
	R	180	RECEPTS - MAIN	FLOOR	20	1	51	B	52	20	1	RECEPTS - MAIN FLOOR	180	R				R	1000	RECEPT - AB
	R	180	RECEPTS - MAIN	FLOOR	20	1	55	A	56	20	1	RECEPTS - MAIN FLOOR	180	R				R	1000	RECEPT - AB
	R	180	RECEPTS - Q LINE	FLOOR	20	1	57	В	58	20	1	RECEPTS - Q LINE FLOOR	180	R						SPARE
	R	180	RECEPTS - Q LINE	FLOOR	20	1	59	С	60	20	1	RECEPTS - Q LINE FLOOR	180	R						SPARE
	R	180	RECEPTS - Q LINE	FLOOR	20	1	61	A	62	20	1	RECEPTS - POS	360	R						SPARE
	R	360	RECEPTS - POS		20	1	65	C B	66	20	$\frac{1}{1}$	RECEPTS - POS	360	R						SPARE SPARE
3	E	500	FACP		20	1	67	A	68	20	1	ATM	1200	E		$\frown$				SPARE
	R	3660	RECEPTS - RESTR	OOMS	20	1	69	В	/70	20	1	ICE MACHINE	1200	R		$\mathbf{A}$				SPARE
	R	1000	EWC-1		20	1	71	C	72	20	1	MONUMENT SIGNAGE	1000	L						SPARE
			SPARE		20	1	73	A	74	20	1	SPARE								SPARE
			SPARE		20	1	77	C B	78	20	1		$\mathbf{k}$							SPARE
			SPARE		20	1	79	A	80	20	1	SPARE	+	$\sim$						SPARE
			SPARE		20	1	81	В	82	20	1	SPARE						Н	2250	EWH-1
							83	С	84	20	1	SPARE						Н	2250	
1								NE			1									
			ТҮРЕ	LOAD (VA)		ACTC	IAND )R		DAD (V	'A)										ТҮРЕ
	R	RECEPT	ACLES ≤ 10KVA	10000		1.00			10000	)	]	PHASE A LOAD = 1	.6288	VA	1			R	RECEP	FACLES ≤ 10K
		RECEPT	ACLES > 10KVA	6640		0.50			3320			PHASE B LOAD = 1	.8207	VA					RECEP	TACLES > 10K
	L	LIGHTI	NG	28595		1.25			35744			PHASE C LOAD = 1	5360	VA	J			L	LIGHTI	NG
		REMAI		-	-	1.25		-	-		1							IVI	REMA	
	н	HEATIN	IG (RESISTIVE)	-		1.25			-		1	NEC DEMAND LOAD =	149	A	1			н	HEATIN	IG (RESISTIVI
	E	EQUIPN	MENT	4620		1.00			4620		1	SPARE CAPACITY =	51	А				E	EQUIP	MENT
	К	KITCHE	N EQUIPMENT	-		1.00			-		ł	TOTAL AVAILABLE =	200	А	J			К	KITCHE	N EQUIPMEN
l		TOTAL		49855					53684		J								TOTAL	

			EQL	JIPM	ENT	CON	NEC	ΓΙΟΙ	N SC	HEDL	JLE	(EC	S)		
ΝT		ELECT	RICAL REQ	UIREMENT	S	EQUIP	MENT DISC	CONNEC	Т	CONT	ROLLE	२		CIRCUI	T
	LOCATION	HP/W/KW	MCA	VOLT	PHASE	LOCATION	RATING	TYPE	NEMA ENCL.	LOCATION	TYPE	NEMA ENCL.	PANEL/CKT	CIRCUIT BREAKER	
	RESTROOMS, JANITOR'S CLOSET	50 W		120	1		CONTROLL	ER		WALL	SWITC	Н	NOTE #1	20A-1P	
	ROOF	9.66 KW	52	208	3	AU	60A	NF	3R	INTEGRA	L TO U	NIT	MDP-26,28,30	60A-3P	L
	ROOF	9.66 KW	52	208	3	AU	60A	NF	3R	INTEGRA	L TO U	NIT	MDP-31,33,35	60A-3P	l
	ROOF	9.66 KW	52	208	3	AU	60A	NF	3R	INTEGRA	L TO U	NIT	MDP-32,34,36	60A-3P	L
	ROOF	9.66 KW	52	208	3	AU	60A	NF	3R	INTEGRA	L TO U	NIT	MDP-37,39,41	60A-3P	
	ROOF	12 KW	72	208	3	AU	100A	NF	3R	INTEGRA	L TO U	NIT	MDP-38,40,42	80A-3P	1

2. COORDINATE FINAL EQUIPMENT LOCATIONS WITH APPLICABLE DRAWINGS AND TRADE.

3. ALL FIXTURES TO BE PROVIDED WITH REQUIRED MOUNTING HARDWARE FOR INSTALLATION TYPE SHOWN.

JANITOR'S CLOSET

4. NOT ALL REQUIRED CIRCUITING AND WORK IS NECESSARILY SHOWN ON SCHEDULE. PROVIDE ALL WORK AS SHOWN AND AS INDICATED ELSEWHERE.

4.5 KW

5. PROVIDE CIRCUITING COMPLETE FROM SOURCE TO EQUIPMENT (LOAD). CIRCUIT SHALL BE PROVIDED TO AND FROM ALL CONTROLLERS, DISCONNECTS, AND AS OTHERWISE INDICATED OR SHOWN.

6. EQUIPMENT SHOWN PER BASIS OF DESIGN. COORDINATE ALL WIRING, OVERCURRENT PROTECTION, DISCONNECTS, CONTROLLERS, AND LOCATIONS WITH ACTUAL INSTALLED EQUIPMENT.

7. CIRCUIT NUMBERS ARE TO INDICATE PIECES OF EQUIPMENT CIRCUITED TOGETHER. PROVIDE CIRCUIT NUMBERING AS REQUIRED TO BALANCE LOADS ACROSS ALL PHASES.

8. NOT ALL DISCONNECT LOCATIONS SHOWN ON PLANS. WHERE NOT SHOWN, INSTALL WITHIN SITE OF EQUIPMENT AND PER ALL NEC REQUIREMENTS FOR DISCONNECT LOCATIONS, INCLUDING DISTANCE FROM EQUIPMENT.

![](_page_29_Picture_23.jpeg)

٩N	ELBC	)AI	RD			В			SC	HEDULE			
/120V : ISER	4W	BUS F MAIN NEUT	RATINO I BREA 'RAL S	G: KER: IZE:	200A MLO 100%				LOCA MOU ISO. (	TION: STOCKROOM NTING: SURFACE SROUND: N TVSS:	Y		
DESCRI	PTION		BRA C/B	NCH P	C #	IRCUI ወ	T #	BRA C/B	NCH P	DESCRIPTION	LOAD	TYPE	NOTE
ENSO	3		20	1	1	Ā	2	20	1	SECURITY SENSOR	1000	E	
ENSO	2		20	1	3	В	4	20	1	SECURITY SENSOR	1000	E	
ENSO	2		20	1	5	С	6	20	1	SECURITY SENSOR	1000	Е	
ENSO	۲		20	1	7	Α	8	20	1	SECURITY SENSOR	1000	Е	
ENSO	۲		20	1	9	В	10	20	1	SECURITY SENSOR	1000	E	
OFFICE	AREA		20	1	11	C	12	20	1	RECEPT - ROOF	900	R	
BOVE			20	1	13	A	14	20	1	RECEPT - ABOVE TRANSOM	1000	R	
			20	1	15	В	10	20	1		1000	K D	
			20	1	10		20	20	1		1000	R D	
BOVE	RANSOM		20	1	21	B	20	20	1	RECEPT - ABOVE TRANSOM	1000	R	
BOVE	RANSOM		20	1	23	C	24	20	1	RECEPT - ABOVE TRANSOM	1000	R	
BOVE -	RANSOM		20	1	25	A	26	20	1	RECEPT - ABOVE TRANSOM	1000	R	
BOVE <sup>-</sup>	ransom		20	1	27	В	28	20	1	RECEPT - ABOVE TRANSOM	1000	R	
BOVE <sup>-</sup>	FRANSOM		20	1	29	С	30	20	1	RECEPT - ABOVE TRANSOM	500	R	
BOVE <sup>-</sup>	ransom		20	1	31	Α	32	20	1	RECEPT - ABOVE TRANSOM	1000	R	
BOVE	ransom		20	1	33	В	34	20	1	RECEPT - ABOVE TRANSOM	500	R	
BOVES	SLATWALL		20	1	35	С	36	20	1	RECEPT - ABOVE SLATWALL	1000	R	
BOVES	SLATWALL		20	1	37	A	38	20	1	RECEPT - ABOVE SLATWALL	1000	R	
BOVE	RANSOM		20	1	39	B	40	20	1	RECEPT - ABOVE TRANSOM	1000	R	
BOVE			20	1	41	C	42	20	1	RECEPT - ABOVE TRANSOM	1000	R	
BOVE			20	1	43	A	44	20	1		1000	K D	
			20	1	43	<u>с</u>	40	20	1		500	D	
BOVE	RANSOM		20	1	47	A	50	20	1	RECEPT - ABOVE TRANSOM	1000	R	
BOVE	RANSOM		20	1	51	B	52	20	1	RECEPT - ABOVE TRANSOM	1000	R	
BOVE	RANSOM		20	1	53	С	54	20	1	RECEPT - ABOVE TRANSOM	1000	R	
BOVE <sup>-</sup>	ransom		20	1	55	Α	56	20	1	RECEPT - ABOVE TRANSOM	500	R	
			20	1	57	В	58	20	1	SPARE			
			20	1	59	С	60	20	1	SPARE			
			20	1	61	Α	62	20	1	SPARE			
			20	1	63	В	64	20	1	SPARE			
			20	1	65	C	66	20	1	SPARE			
			20	1	6/	A	68	20	1	SPARE			
			20	1	71	ь С	70	20	1	SPARE			
			20	1	73	Δ	74	20	1	SPARE			
			20	1	75	B	76	20	1	SPARE			
			20	1	77	C	78	20	1	SPARE			
			20	1	79	Α	80	20	1	SPARE			
			30	2	81	В	82	20	1	SPARE			
					83	С	84	20	1	SPARE			
	CONNEC	TED	NEC	DEM	AND	NEC							
	10000	· ~)	F.	ACTO	к		10000	~) \			0500	1/0	
	22490	<u>,</u>		1.00			16740	,		PHASE A LOAD = 19	3500 0750	VA	
NVA	- 33480	,		1.25			- 10/40	,			2730 8730	VA VA	
	-			1.25			-					v٨	
RS	-			1.00			-						
′E)	4500			1.25			5625			NEC DEMAND LOAD =	118	A	
	10000	)		1.00			10000	)		SPARE CAPACITY =	82	А	
NT	-			1.00			-			TOTAL AVAILABLE =	200	А	
	57980	)					42365	5					

L	JIPM	EN	r con	NEC	ΓΙΟΙ	N SC	HEDU	JLE	(EC	S)						
Q	UIREMENT	S	EQUIP	PMENT DIS	CONNEC	Т	CONT	ROLLE	R		CIRCUI	TING	FIRE /	ALARM INTERCO	NNECTION	
	VOLT	PHASE	LOCATION	RATING	TYPE	NEMA ENCL.	LOCATION	TYPE	NEMA ENCL.	PANEL/CKT	CIRCUIT BREAKER	WIRING	FAN SHUT DOWN	RETURN DUCT SMOKE	SUPPLY DUCT SMOKE	NOTES
	120	1		CONTROLI	ER	•	WALL	SWITC	Ή	NOTE #1	20A-1P	(2) #12 & (1) #12G, 3/4"C				1
	208	3	AU	60A	NF	3R	INTEGRA	L TO U	JNIT	MDP-26,28,30	60A-3P	(3) #4, (1) #10G IN 1-1/4"C	Х	Х	Х	2
	208	3	AU	60A	NF	3R	INTEGRA	L TO U	JNIT	MDP-31,33,35	60A-3P	(3) #4, (1) #10G IN 1-1/4"C	Х	Х	Х	2
	208	3	AU	60A	NF	3R	INTEGRA	L TO U	JNIT	MDP-32,34,36	60A-3P	(3) #4, (1) #10G IN 1-1/4"C	Х	Х	Х	2
	208	3	AU	60A	NF	3R	INTEGRA	L TO U	JNIT	MDP-37,39,41	60A-3P	(3) #4, (1) #10G IN 1-1/4"C	Х	Х	Х	2
	208	3	AU	100A	NF	3R	INTEGRA	L TO U	JNIT	MDP-38,40,42	80A-3P	(3) #3, (1) #8G IN 1-1/4"C				
	208	1	AU	30A	NF	1	INTEGRA	L TO U	JNIT	B-81,83	30A-2P	(2)#10, (1)#10G, 3/4"C				

A 12 8	DAG Archite 23 Airport Road 50.837.8152	ITE ects, AAC000 Destin, Flor ww.dagarchit	CTS 745 ida 32541 ects.com
New Construction for:	Surf Style Retail	101 S. Miramar Avenue INDIALANTIC, FL 32903	ALL REPORTS, PLANS, SPECIFICATIONS, COMPUTER FILES, FIELD DATA, NOTES AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY THE CONSULTANT AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE CONSULTANT AND INSTRUMENTS PREPARED BY THE LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT THERETO. PURSUANT TO FLORIDA STATUTES, SECTION 558.0035, AN INDIVIDUAL EMPLOYEE OR AGENT MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.
No. 2 4	Descrip FWC RESPON ADDENDUM 2	0% CD SUE tion SE 2 REVISED	Date 04/22/21 01/04/23
DI SC Project Date: PIC PM	AGRA CHEDU number:	MS & JLES	19008 09.22.2021 DS ES