EXHIBIT "5"

DRC SUBMITTAL SET

THE ICEBOX CAFE AND CULINARY CENTER

HALLANDALE BEACH, FLORIDA

BUS STOP LOCATION MAP

INDEX SHEETS

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C-100	COVER SHEET

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S-2	SURVEY
S-3	SURVEY
S-4	SURVEY

LANDSCAPE ARCHITECTURE

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L-300	LANDSCAPE PLAN
L-301	LANDSCAPE DETAILS
L-400	LIGHTING PLAN
L-401	LIGHTING CUT SHEETS

ARCHITECTURAL

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A190.1	PRELIMINARY ROOF PLAN
A200.1	PRELIMINARY EXTERIOR ELEVATIONS
A200.1	FUTURE EXTERIOR ELEVATIONS
A300.1	SECTIONS

CIVIL ENGINEERING

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C-2	WATER & SANITARY SEWER PLAN
C-3	POLLUTION & EROSION CONTROL

Revision 1: City Comments DRC
Resubmit 08-17-16

Revision 2: City Comments DRC
Resubmit 09-07-16

PROJECT DATA

SCOPE OF WORK

PROPOSED COMMISSARY / RESTAURANT / GREENHOUSE

ARCHITECT

RJS ARCHITECTS
11019 NW 19TH STREET
CORAL SPRINGS, FL 33071
TEL: (954) 753-0018
FAX: (954) 755-8277

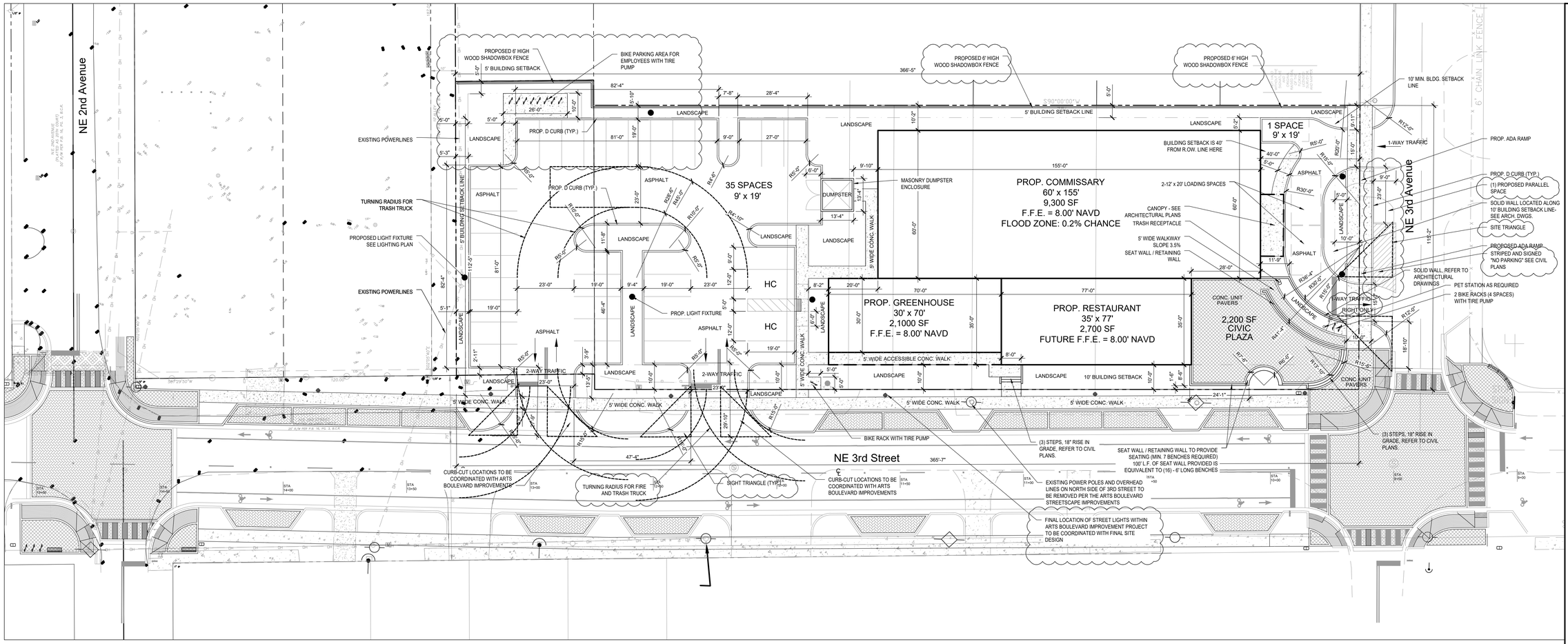
LANDSCAPE ARCHITECT

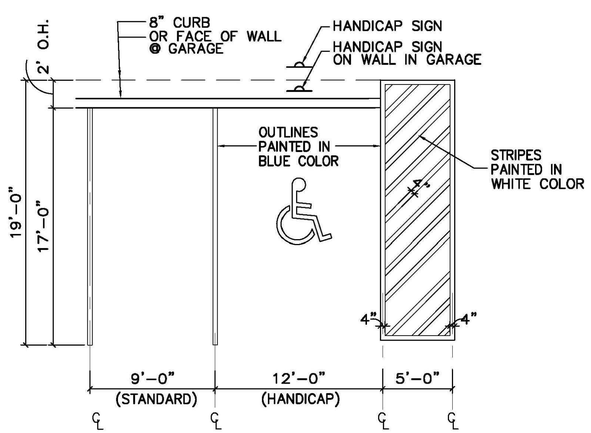
ARCHITECTURAL ALLIANCE LANDSCAPE
612 SW 4TH AVENUE
FORT LAUDERDALE, FL 33315
TEL: (954) 764-8858
FAX: (954) 764-0731

CIVIL ENGINEER

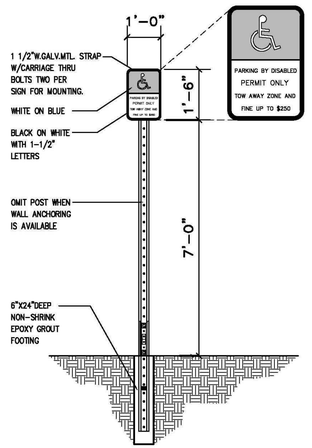
BOTEK THURLOW ENGINEERING, INC.
3409 NW 9TH AVENUE, SUITE 1102
FORT LAUDERDALE, FL 33309
TEL: (954) 568-0888

LOCATION MAP





1 PARKING STRIPING DETAIL



2 HANDICAP PARKING SIGN

YARDS (BUILDING SETBACK)

	REQUIRED	PROVIDED
FRONT - NE 3rd Street	10'-0"	10'-0"
SIDE - NE 3rd Avenue	10'-0"	40'-0"
SIDE - West Prop. Line	5'-0"	150'-11"
REAR - North Prop. Line	5'-0"	10'-0"

BUILDING FRONTAGE ON PRIMARY STREETS

	FRONTAGE	REQUIRED 75%	PROVIDED
NE 3rd Street	365'-6"	274'	170'-6" (46.6%)
NE 3rd Avenue	115'	86'-3"	95' (82.6%)

SITE PLAN INFORMATION	
CURRENT USE OF PROPERTY	Residential
CURRENT LAND USE DESIGNATION	RM-HD-2
CURRENT ZONING DESIGNATION	Central RAC Transit Core Subdistrict
TOTAL SITE AREA	42,382 SF / 0.97 AC.
TOTAL LANDSCAPE AREA	9,008 SF
TOTAL IMPERVIOUS AREA	33,374 SF
BUILDING COVERAGE	14,100 SF
PEDESTRIAN WALKS	2,262 SF
CIVIC PLAZA	2,200 SF
VEHICULAR USE AREA	14,460 SF
TOTAL BUILDING S.F.	14,100 SF
BUILDING HEIGHT - COMMISSARY	20'-6"
NUMBER OF STORIES	1
BUILDING WIDTH AND LENGTH	60' x 155'
BUILDING SF	9,300 SF
BUILDING HEIGHT - RESTAURANT	20'-6"
NUMBER OF STORIES	1
BUILDING WIDTH AND LENGTH	35' x 77'
BUILDING SF	2,700 SF
BUILDING HEIGHT - GREENHOUSE	20'-6"
NUMBER OF STORIES	1
BUILDING WIDTH AND LENGTH	30' x 70'
BUILDING SF	2,100 SF

PARKING DATA	(2 HANDICAP SPACES PROVIDED PER ADA REQUIRMENTS)			
RAC DISTRICT	SF	RATIO	REQUIRED	PROVIDED
Commissary (bldg. 1)	9,300	1 space per 300	31	28
Restaurant (bldg #2)	2,700	1 space per 300	9	8
Greenhouse (bldg. #3)	2,100	1 space per 300	7	0
TOTAL PARKING REQUIRED			47	
TOTAL PARKING (WITH WAIVER FOR GREENHOUSE REQ.)			40*	
* MINUS 10% REDUCTION			36	36

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
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SCALE: 1"=20'
0' 10' 20' 40' 60'
NORTH

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TEL: 954-764-8858 EMAIL: HJohnson@archallnet

REGISTERED LANDSCAPE ARCHITECT H. J. JOHNSON LA0000855 STATE OF FLORIDA

Revision Dates
1- City Comments DRC Resubmit 06-17-16
2- City Comments DRC Resubmit 09-07-16

DRC SUBMITTAL SET

THE ICEBOX CAFE AND CULINARY CENTER

HALLANDALE BEACH, FL

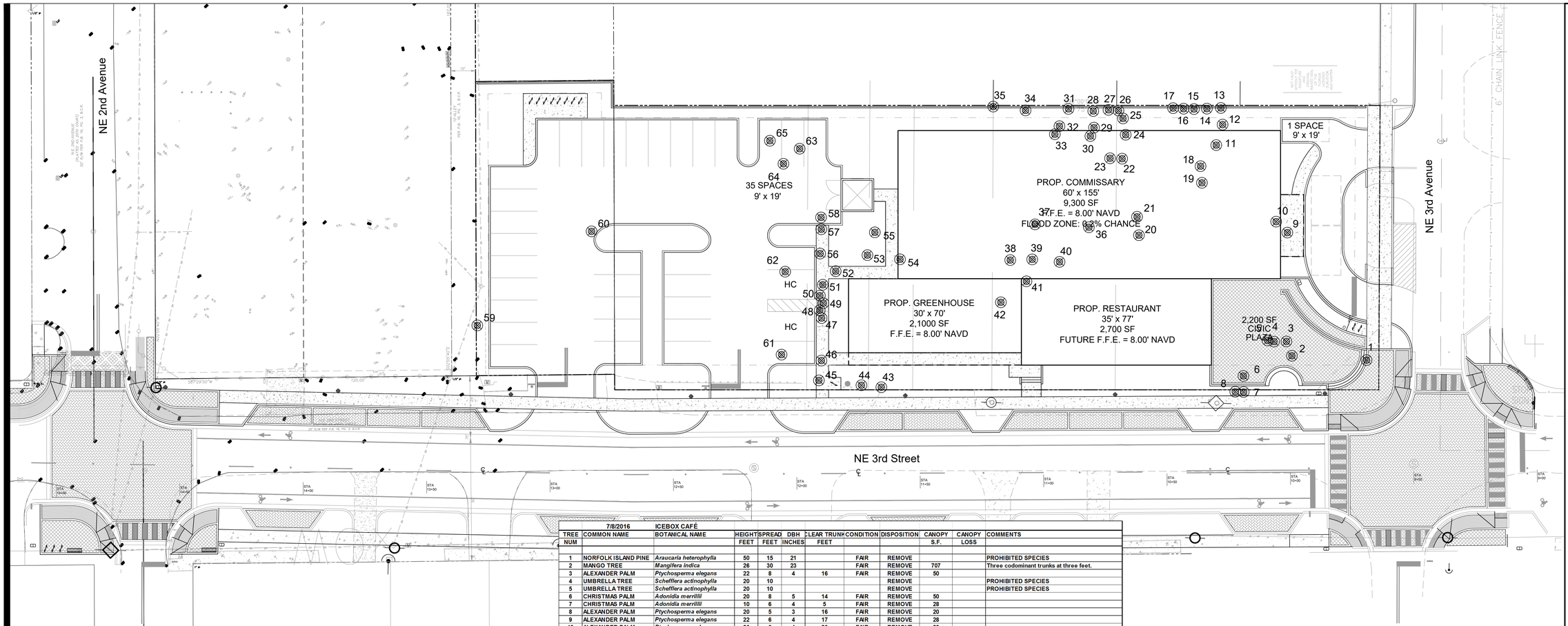
Sheet Description: SITE PLAN

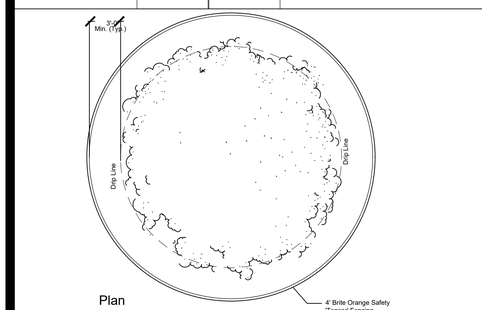
Release Date: 7-15-16

Project Number: 1612

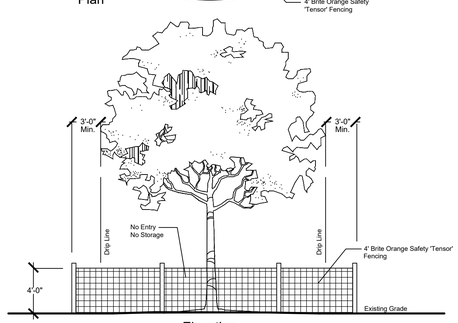
Drawing Number: L-100

Sheet 1 of 5





Plan



Elevation

Existing Tree(s) Protection Detail

NTS

7/8/2016 ICEBOX CAFÉ

TREE NUM	COMMON NAME	BOTANICAL NAME	HEIGHT FEET	SPREAD FEET	DBH INCHES	CLEAR TRUNK FEET	CONDITION	DISPOSITION	CANOPY S.F.	CANOPY LOSS	COMMENTS
1	NORFOLK ISLAND PINE	*Araucaria heterophylla*	50	15	21		FAIR	REMOVE			PROHIBITED SPECIES
2	MANGO TREE	*Mangifera indica*	26	30	23		FAIR	REMOVE	707		Three codominant trunks at three feet.
3	ALEXANDER PALM	*Ptychosperma elegans*	22	8	4	16	FAIR	REMOVE	50		
4	UMBRELLA TREE	*Schefflera actinophylla*	20	10				REMOVE			PROHIBITED SPECIES
5	UMBRELLA TREE	*Schefflera actinophylla*	20	10				REMOVE			PROHIBITED SPECIES
6	CHRISTMAS PALM	*Adonidia merrillii*	20	8	5	14	FAIR	REMOVE	50		
7	CHRISTMAS PALM	*Adonidia merrillii*	10	6	4	5	FAIR	REMOVE	28		
8	ALEXANDER PALM	*Ptychosperma elegans*	20	5	3	16	FAIR	REMOVE	20		
9	ALEXANDER PALM	*Ptychosperma elegans*	22	6	4	17	FAIR	REMOVE	28		
10	ALEXANDER PALM	*Ptychosperma elegans*	26	6	4	20	FAIR	REMOVE	28		
11	ALEXANDER PALM	*Ptychosperma elegans*	28	6	4	20	FAIR	REMOVE	28		
12	ALEXANDER PALM	*Ptychosperma elegans*	20	8	6	12	FAIR	REMOVE	50		Double
13	ALEXANDER PALM	*Ptychosperma elegans*	18	8	6	10	FAIR	REMOVE	50		Double
14	ALEXANDER PALM	*Ptychosperma elegans*	20	5	3	12	FAIR	REMOVE	20		
15	ALEXANDER PALM	*Ptychosperma elegans*	22	8	6	14	FAIR	REMOVE	50		Double
16	ALEXANDER PALM	*Ptychosperma elegans*	26	8	6	20	FAIR	REMOVE	50		Double
17	ALEXANDER PALM	*Ptychosperma elegans*	24	6	3	16	FAIR	REMOVE	28		
18	ALEXANDER PALM	*Ptychosperma elegans*	32	8	4	26	FAIR	REMOVE	50		
19	UMBRELLA TREE	*Schefflera actinophylla*	25	25				REMOVE			PROHIBITED SPECIES
20	PAPERBARK TREE	*Melaleuca quinquenervia*	25	15				REMOVE			PROHIBITED SPECIES
21	SAPODILLA TREE	*Manilkara zapota*	45	30	37		FAIR	REMOVE	707		
22	CHRISTMAS PALM	*Adonidia merrillii*	30	8	5	26	FAIR	REMOVE	50		
23	STRANGLER FIG	*Ficus aurea*	40	40	24		FAIR	REMOVE	1,257		
24	ALEXANDER PALM	*Ptychosperma elegans*	24	6	4	14	FAIR	REMOVE	28		
25	ALEXANDER PALM	*Ptychosperma elegans*	24	6	4	14	FAIR	REMOVE	28		
26	ALEXANDER PALM	*Ptychosperma elegans*	24	6	4	14	FAIR	REMOVE	28		
27	ALEXANDER PALM	*Ptychosperma elegans*	24	6	4	14	FAIR	REMOVE	28		
28	LITCHI TREE	*Litchi chinensis*	30	25	14		POOR	REMOVE	491		Low vigor
29	CHRISTMAS PALM	*Adonidia merrillii*	16	8	5	9	FAIR	REMOVE	50		
30	MANGO TREE	*Mangifera indica*	30	15	13		POOR	REMOVE	177		
31	ALEXANDER PALM	*Ptychosperma elegans*	32	6	4	26	FAIR	REMOVE	28		
32	ALEXANDER PALM	*Ptychosperma elegans*	26	8	4	18	FAIR	REMOVE	50		
33	MANGO	*Mangifera indica*	35	30	19		POOR	REMOVE	707		
34	UMBRELLA TREE	*Schefflera actinophylla*	25	20				REMOVE			PROHIBITED SPECIES
35	UMBRELLA TREE	*Schefflera actinophylla*	20	12				REMOVE			PROHIBITED SPECIES
36	MANGO TREE	*Mangifera indica*	30	20	15		POOR	REMOVE	314		Declining
37	MANGO TREE	*Mangifera indica*	15	15	13		POOR	REMOVE	177		Hatracked
38	MANGO TREE	*Mangifera indica*	25	30	17		POOR	REMOVE	707		
39	MANGO TREE	*Mangifera indica*	30	15	15		POOR	REMOVE	177		Hatracked, BEES
40	MANGO TREE	*Mangifera indica*	30	12	13		POOR	REMOVE	113		
41	MANGO TREE	*Mangifera indica*	45	35	25		FAIR	REMOVE	962		
42	ALEXANDER PALM	*Ptychosperma elegans*	30	6	4	30	FAIR	REMOVE	28		
43	ALEXANDER PALM	*Ptychosperma elegans*	28	10	9	22	FAIR	REMOVE	79		Triple
44	ALEXANDER PALM	*Ptychosperma elegans*	32	5	4	28	FAIR	REMOVE	20		
45	ALEXANDER PALM	*Ptychosperma elegans*	20	5	3	16	FAIR	REMOVE	20		
46	ALEXANDER PALM	*Ptychosperma elegans*	32	4	4	28	40%	REMOVE	13		
47	ALEXANDER PALM	*Ptychosperma elegans*	30	8	4	24	FAIR	REMOVE	50		
48	ALEXANDER PALM	*Ptychosperma elegans*	30	5	4	25	FAIR	REMOVE	20		
49	ALEXANDER PALM	*Ptychosperma elegans*	26	6	3	20	FAIR	REMOVE	28		
50	ALEXANDER PALM	*Ptychosperma elegans*	30	5	4	24	FAIR	REMOVE	20		
51	ALEXANDER PALM	*Ptychosperma elegans*	30	5	4	24	FAIR	REMOVE	20		
52	ALEXANDER PALM	*Ptychosperma elegans*	30	8	11	24	FAIR	REMOVE	50		
53	ALEXANDER PALM	*Ptychosperma elegans*	16	8	3	10	FAIR	REMOVE	50		
54	ALEXANDER PALM	*Ptychosperma elegans*	24	8	3	18	FAIR	REMOVE	50		
55	NORFOLK ISLAND PINE	*Araucaria heterophylla*	50	15	18		POOR	REMOVE			PROHIBITED SPECIES
56	BRAZILIAN PEPPER	*Schinus terebinthifolius*	14	12	6			REMOVE			PROHIBITED SPECIES
57	ALEXANDER PALM	*Ptychosperma elegans*	24	5	3	16	FAIR	REMOVE	20		
58	ALEXANDER PALM	*Ptychosperma elegans*	24	15	18	16	FAIR	REMOVE	177		Six trunks.
59	SABALPALM	*Sabal palmetto*	12	8	14	8	FAIR	REMOVE	50		UNDERNEATH WIRES IN ALLEY
60	STRANGLER FIG	*Ficus aurea*	40	45	75		FAIR	REMOVE	1,590		MINOR TRUNK AND STORM DAMAGE
61	NORFOLK ISLAND PINE	*Araucaria heterophylla*	50	15	17		POOR	REMOVE	177		
62	COCONUT PALM	*Cocos nucifera*	14	15	7	6	FAIR	REMOVE	177		LOW NUTRITION
63	MANGO	*Mangifera indica*	35	25	13		FAIR	REMOVE	491		OVERCROWDED
64	SAPODILLA	*Manilkara zapota*	45	40	30		POOR	REMOVE	1,256		HATRACKED AT 20', TRUNK DAMAGE, POOR FOR
65	MANGO	*Mangifera indica*	25	35	24		POOR	REMOVE	962		HATRACKED AT 3', STORM AND TRUNK DAMAGE
									12,664	TOTAL	

*** I certify that all the statements of fact in this evaluation are true, complete, and correct to the best of my knowledge and belief, and that they are made in good fatih.**
Jeremy T. Chancey, FL-0762A

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SCALE: 1"=20'

0' 10' 20' 40' 60'

NORTH

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632 SW 4th Ave., Fort Lauderdale, FL 33315 LC26000237
TEL: 954-764-8858 EMAIL: HJohnson@archallnet

REGISTERED LANDSCAPE ARCHITECT H. J. JOHNSON LA0000855 STATE OF FLORIDA

Revision Dates
1- City Comments DRC Resubmit 08-17-16
2- City Comments DRC Resubmit 09-07-16

DRC SUBMITTAL SET

THE ICEBOX CAFE AND CULINARY CENTER

HALLANDALE BEACH, FL

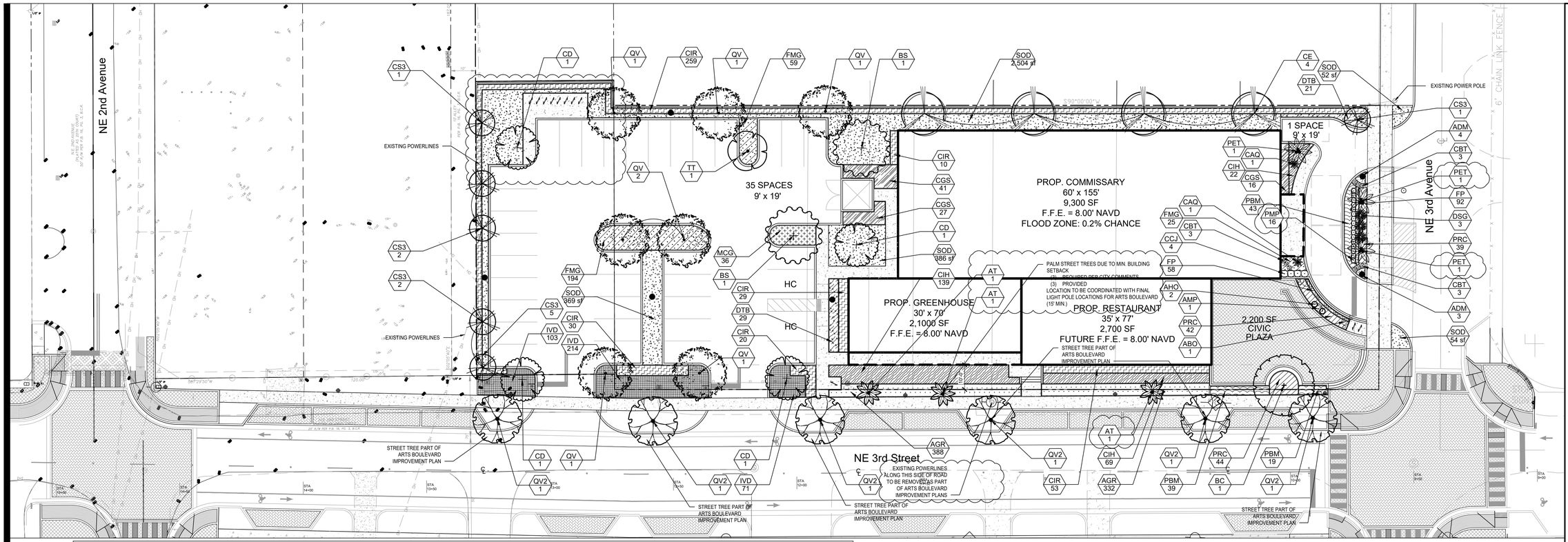
Sheet Description: TREE DISPOSITION PLAN

Release Date: 7-15-16

Project Number: 1612

Drawing Number: L-200

Sheet 1 of 5



PLANT SCHEDULE THE ICEBOX CAFE AND CULINARY CENTER

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	DROUGHT	
BC	1	BOMBAX CEIBA	KAPOK TREE	100 GAL	10"-12" CAL	25`-30` OA	NO	MEDIUM	
BS	2	BURSERA SIMARUBA	GUMBO LIMBO	FG/B&B	3"CAL	15` HT. X 5` SPD. X 6` MIN. CT	YES	HIGH	
CD	4	COCCOLOBA DIVERSIFOLIA	PIGEON PLUM	FG/B&B	3"CAL	15` HT. X 5` SPD. X 6` MIN. CT	YES	HIGH	
CE	4	CONOCARPUS ERECTUS	BUTTONWOOD	FG/B&B	3"CAL	15` HT. X 5` SPD. X 6` MIN. CT	YES	HIGH	
CS3	6	CONOCARPUS ERECTUS `SERICEUS`	SILVER BUTTONWOOD	FG/B&B	3"CAL	15` HT. X 5` SPD. X 6` MIN. CT	YES	HIGH	
QV	7	QUERCUS VIRGINIANA	LIVE OAK	FG/B&B	3"CAL	15` HT. X 5` SPD. X 6` MIN. CT	YES	HIGH	
FLOWERING TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	DROUGHT	
TT	1	TABEBUIA HETEROPHYLLA	PINK TRUMPET TREE	FG/B&B	3"CAL	15` HT. X 5` SPD. X 6` MIN. CT	NO	MEDIUM	
PALM TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	DROUGHT	
PET	3	PTYCHOSPERMA ELEGANS	ALEXANDER PALM	FG/B&B		16`-18`-20` TRIPLE TRUNK	NO	HIGH	
STREET TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	DROUGHT	
AT	3	ADONIDIA MERRILLII	ADONIDIA PALM	B&B FIELD GROWN		12-14` OA TRIPLE TRUNK	NO	HIGH	
QV2	6	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	ARTS BOULEVARD PLANS					
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	DROUGHT	SPACING
ABO	2	AECHMEA BLANCHETIANA	`BURNT ORANGE` BROMELIAD	3 GAL		SPECIMEN	NO	MEDIUM	36" o.c.
AHO	2	AECHMEA BLANCHETIANA `HACIENDA`	BURNT ORANGE BROMELIAD	3 GAL		20"X20" OA.	NO	HIGH	30" o.c.
AMP	1	AECHMEA MALVA	PURPLE VASE BROMELIAD	3 GAL		20"X20" OA.	NO	HIGH	30" o.c.
CCJ	4	CAPPARIS CYNOPHALLOPHORA	JAMAICA CAPER	7 GAL		4` OA., CONE FULL TO BASE	YES	HIGH	36" o.c.
CBT	9	CORDYLINE FRUTICOSA `BOLERO`	BOLERO TI PLANT	3 GAL		24-28" OA	NO	MEDIUM	24" o.c.
CAQ	2	CRINUM AUGUSTUM `QUEEN EMMA`	`QUEEN EMMA` CRINUM	7 GAL.		4` OA., FULL	NO	HIGH	48" o.c.
DSG	3	DIOON SPINULOSUM	CYCAD	15 GAL		30-36" OA	NO	HIGH	60" o.c.
PMP	17	PODOCARPUS MACROPHYLLUS	PODOCARPUS	3 GAL.,		30"HT X 24"SPR	NO	HIGH	24" o.c.
SHRUB AREAS	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	DROUGHT	SPACING
CIR	401	CHRYSOBALANUS ICACO `REDTIP`	RED TIP COCOPLUM	3 GAL.,		24"HT X 24"SPR	YES	MEDIUM	24" o.c.
CGS	84	CLUSIA GUTTIFERA	SMALL-LEAF CLUSIA	3 GAL.,		24"HT X 24"SPR	NO	HIGH	24" o.c.
FMG	278	FICUS MICROCARPA `GREEN ISLAND`	GREEN ISLAND FICUS	3 GAL.,		14" HT. X 16" SPR.,	NO	HIGH	18" o.c.
IVD	388	ILEX VOMITORIA `STOKES DWARF`	DWARF YAUPON HOLLY	3 GAL		12"HT X 12"SPR	YES	HIGH	18" o.c.
PBM	101	PHILODENDRON X `BURLE MARX`	PHILODENDRON	3 GAL.,		18"HT X 18"SPR	NO	MEDIUM	18" o.c.
PRC	125	PHILODENDRON X `ROJO CONGO`	ROJO CONGO PHILODENDRON	3 GAL.,		18"HT X 18"SPR	NO	MEDIUM	18" o.c.
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	DROUGHT	SPACING
AGR	720	ARACHIS GLABRATA	PERENNIAL PEANUT `LARGE LEAF`	1 GAL.,		6"HT X 12"SPR @	NO	HIGH	12" o.c.
ADM	7	ASPARAGUS DENSIFLORUS `MYERS`	MYERS ASPARAGUS	3 GAL		18"HT X 18"SPR @	NO	MEDIUM	24" o.c.
CIH	230	CHRYSOBALANUS ICACO `HORIZONTALIS`	HORIZONTAL COCOPLUM	3 GAL.,		12"HT X 16"SPR @	YES	HIGH	24" o.c.
DTB	50	DIANELLA TASMANICA	BLUEBERRY FLAX LILY	3 GAL		16" HT X 16" SPR @	NO	MEDIUM	24" o.c.
FP	150	FICUS PUMILA	CREEPING FIG	1 GAL.		4" HT. X 12" SPR.	NO	HIGH	8" o.c.
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	DROUGHT	SPACING
SOD	3,365 SF	STENOTAPHRUM SECUNDATUM `FLORITAM`	`FLORITAM` ST. AUGUSTINE SOD	SOD					
TALL GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	DROUGHT	SPACING
MCG	36	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	3 GAL.,		24" HT. X 24" SPR.	YES	HIGH	24" o.c.

LANDSCAPE CALCULATIONS		
SITE AREA	42,382 SF	0.97 AC
	REQUIRED	**PROVIDED**
SEC. 32-384 (a) Landscaping Requirements		
TOTAL LANDSCAPE AREA	6,358 SF	9,008 SF
RAC (15%) MIN.	15% MIN.	21%
Sod max. 70% of landscape area 9,008 sf x .70 = 6305.6 sf max.	6305 SF MAX	3365 SF
Street Trees- 9 required @ 25' O.C. = 9 Total Required	9	9
(6 Provided on Arts Boulevard Improvement Plan) 3 additonal Req'd.	**3**	**3**
SEC. 32-384(c) Min. On Site Tree Requirements		
1 TREE PER 1,500 SF OF PLOT AREA		
41,827 SF / 1,500 SF = 28 Trees	28 Trees	28 Trees
NATIVE TREES / DROUGHT TOLERANT (50% Min.)	14 Trees	23 Native Trees
MAX (50%) PALMS	14 Palms Max.	3 Palms
NATIVE/DROUGHT TOLERANT MATERIALS LISTED ARE BASED ON ***WATERWISE - SOUTH FLORIDA LANDSCAPES***		
ALL SOD AND LANDSCAPE AREAS TO RECEIVE 100% COVERAGE FROM AN AUTOMATIC		
IRRIGATION SYSTEM USING AN APPROVED WATER SOURCE.		
IRRIGATION SYSTEM SHALL ALSO BE EQUIPED WITH A RAIN SENSOR.		

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0' 10' 20' 40' 60'
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AAL
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DRC SUBMITTAL SET

THE ICEBOX CAFE AND CULINARY CENTER

HALLANDALE BEACH, FL

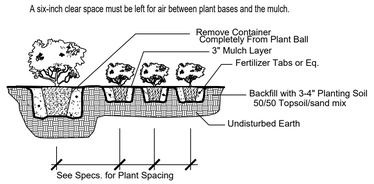
Sheet Description: LANDSCAPE PLAN

Release Date: 7-15-16

Project Number: 1612

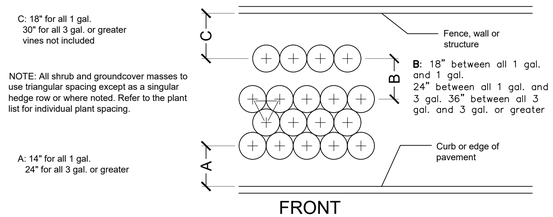
Drawing Number: L-300

Sheet 1 of 5



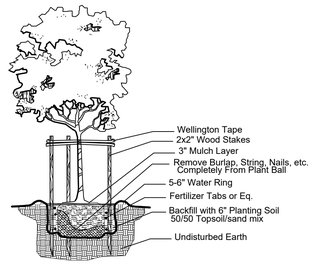
Shrub & Ground Cover Planting Detail

NTS



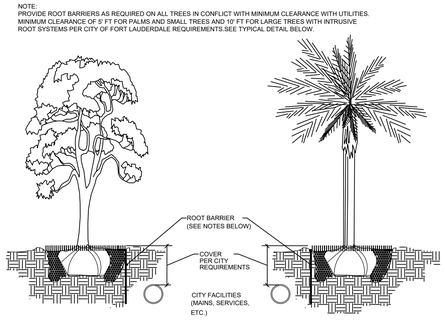
Typical Plant Spacing

NTS



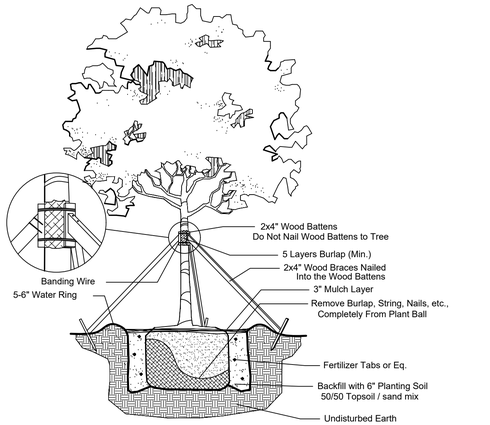
Small Tree Planting Detail

NTS



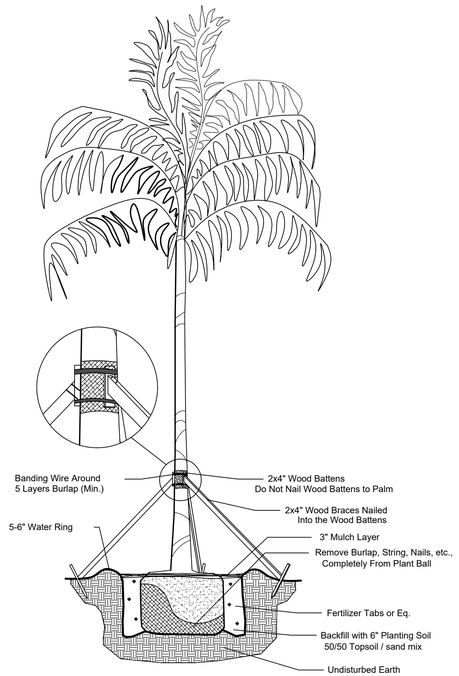
Typical Root Barrier Detail

NTS



Large Tree Planting Detail

NTS



Palm Planting Detail

NTS

NOTES:

1. ALL SOD AND LANDSCAPE RECEIVE 100% COVERAGE FROM AN AUTOMATIC IRRIGATION SYSTEM USING AN APPROVED WATER SOURCE.
2. IRRIGATION SYSTEM SHALL ALSO BE EQUIPPED WITH RAIN SENSOR
3. SEE SHEETS L-300 THROUGH L-304 FOR THE PLANTING PLANS
4. ALL PLANTED MATERIAL ADJACENT TO CURBING SHALL BE PLANTED 3' BACK OF SAID CURB.
5. A PRE-PLANTING MEETING SHALL BE SCHEDULED WITH THE CITY FORESTER OR LANDSCAPE INSPECTOR AND THE LANDSCAPE CONTRACTOR PRIOR TO ANY INSTALLATION ON THE SITE.
6. ALL SHADE AND MEDIUM TREES INSTALLED WITHIN 6' OF A PUBLIC INFRASTRUCTURE SHALL UTILIZE A ROOT BARRIER SYSTEM.
7. All IRRIGATION PIPE SHALL BE 'PURPLE PIPE' AS REQUIRED BY THE CITY OF HALLANDALE.

GENERAL PLANTING REQUIREMENTS

All sizes shown for plant material on the plans are to be considered Minimum. All plant material must meet or exceed these minimum requirements for both height and spread. Any other requirements for specific shape or effect as noted on the plan(s) will also be required for final acceptance.

All plant material furnished by the landscape contractor shall be Florida #1 or better as established by "Grades and Standards for Florida Nursery Plants" and "Grades and Standards for Florida Nursery Trees". All material shall be installed as per CSI specifications.

All plant material as included herein shall be warrantied by the landscape contractor for a minimum period as follows: All trees and palms for 12 months, all shrubs, vines, groundcovers and miscellaneous planting materials for 90 days, and all lawn areas for 60 days after final acceptance by the owner or owner's representative.

All plant material shall be planted in planting soil that is delivered to the site in a clean loose and friable condition. All soil shall have a well drained characteristic. Soil must be free of all rocks, sticks, and objectionable material including weeds and weed seeds as per CSI specifications.

Twelve inches (12") of planting soil 50/50 sand/topsoil mix is required around and beneath the root ball of all trees and palms, and 1 cubic yard per 50 bedding or groundcover plants.

All landscape areas shall be covered with Eucalyptus or sterilized seed free Melaleuca mulch to a minimum depth of three inches (3") of cover when settled. A four-inch clear space must be left for air between plant bases and the mulch. Cypress bark mulch shall not be used.

All plant material shall be thoroughly watered in at the time of planting; no dry planting permitted. All plant materials shall be planted such that the top of the plant ball is flush with the surrounding grade.

All landscape and lawn areas shall be irrigated by a fully automatic sprinkler system adjusted to provide 100% coverage of all landscape areas. All heads shall be adjusted to 100% overlap as per manufacturers specifications and performance standards utilizing a rust free water source. Each system shall be installed with a rain sensor.

It is the sole responsibility of the landscape contractor to insure that all new plantings receive adequate water during the installation and during all plant warranty periods. Deep watering of all new trees and palms and any supplemental watering that may be required to augment natural rainfall and site irrigation is mandatory to insure proper plant development and shall be provided as a part of this contract.

All plant material shall be installed with fertilizer, which shall be State approved as a complete fertilizer containing the required minimum of trace elements in addition to N-P-K, of which 50% of the nitrogen shall be derived from an organic source as per CSI specifications.

Contractors are responsible for coordinating with the owners and appropriate public agencies to assist in locating and verifying all underground utilities prior to excavation.

All ideas, designs and plans indicated or represented by this drawing are owned by and are the exclusive property of Architectural Alliance.

The plan takes precedence over the plant list.

SPECIAL INSTRUCTIONS

General site and berm grading to +/- 1 inch (1") shall be provided by the general contractor. All finished site grading and final decorative berm shaping shall be provided by the landscape contractor.

All sod areas as indicated on the planting plan shall receive Stenotaphrum secundatum, St. Augustine 'Palmetto' solid sod. It shall be the responsibility of the landscape contractor to include in the bid, the repair of any sod which may be damaged from the landscape installation operations.

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Call 811 two business days before digging

Architectural Alliance Landscape
632 SW 4th Ave., Fort Lauderdale, FL 33315 LC#0000237
TEL: 954-764-8858 EMAIL: HJohnson@archallnet

REGISTERED LANDSCAPE ARCHITECT H. F. JOHNSON LA0000855 STATE OF FLORIDA

Revision Dates
1- City Comments DRC Resubmit 08-17-16
2- City Comments DRC Resubmit 09-07-16

DRC SUBMITTAL SET

THE ICEBOX CAFE AND CULINARY CENTER

HALLANDALE BEACH, FL

Sheet Description
LANDSCAPE DETAILS AND NOTES

Release Date
7-15-16

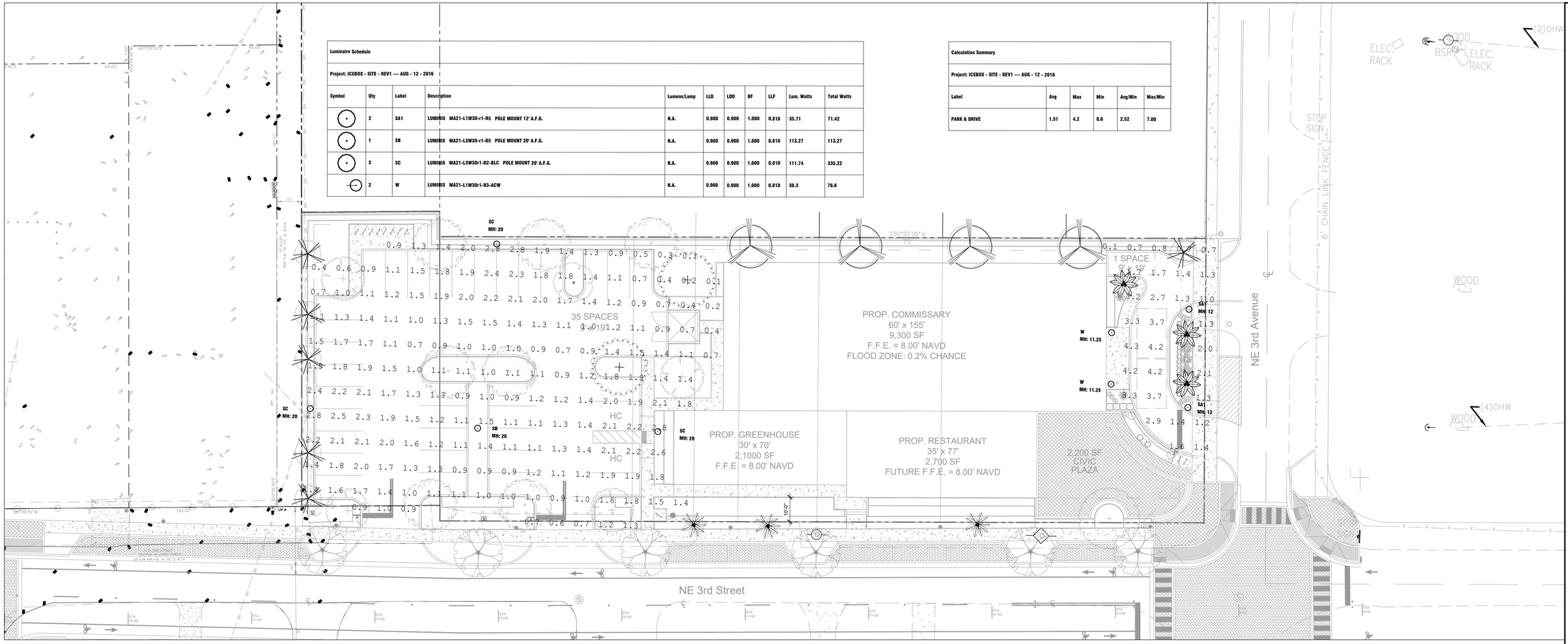
Project Number
1612

Drawing Number
L-301

Sheet 1 of 5

Luminaire Schedule										
Project: ICEBOX - SITE - REV1 --- AUG - 12 - 2016										
Symbol	Qty	Label	Description	Lumens/Lamp	LLD	LDD	BF	LLF	Lum. Watts	Total Watts
	2	SA1	LUMINIS MA21-L1W30-r1-R5 POLE MOUNT 12' A.F.G.	N.A.	0.900	0.900	1.000	0.810	35.71	71.42
	1	SB	LUMINIS MA21-L3W30-r1-R5 POLE MOUNT 20' A.F.G.	N.A.	0.900	0.900	1.000	0.810	113.27	113.27
	3	SC	LUMINIS MA21-L3W30r1-R2-BLC POLE MOUNT 20' A.F.G.	N.A.	0.900	0.900	1.000	0.810	111.74	335.22
	2	W	LUMINIS MA21-L1W30r1-R3-ACW	N.A.	0.900	0.900	1.000	0.810	38.3	76.6

Calculation Summary					
Project: ICEBOX - SITE - REV1 --- AUG - 12 - 2016					
Label	Avg	Max	Min	Avg/Min	Max/Min
PARK & DRIVE	1.51	4.2	0.6	2.52	7.00



LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLT	# LAMPS	LAMP TYPE	INPUT WATTS	MOUNTING	REMARKS
SA1	POLE MOUNTED LED SITE LIGHT FIXTURE	LUMINIS	MA21-L1W30R1-R5-XXX/PAA512		---	LED 4000K	36W	12' ROUND ALUMINUM POLE	
SB	POLE MOUNTED LED SITE LIGHT FIXTURE	LUMINIS	MA21-L3W30R1-R5-XXX/PAA520		---	LED 4000K	115W	20' ROUND ALUMINUM POLE	
SC	POLE MOUNTED LED SITE LIGHT FIXTURE	LUMINIS	MA21-L3W30R1-R2-BLC-XXX/PAA520		---	LED 4000K	115W	20' ROUND ALUMINUM POLE	
W	WALL MOUNTED LED FIXTURE	LUMINIS	MA21-L1W30R1-R3/ACW		---	LED 4000K	38W	WALL SURFACE AT 11.5' AFF	

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Call 811 two business days before digging

SCALE: 1"=20'
0' 10' 20' 40' 60'
NORTH

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TEL: 954-764.8858 EMAIL: HJohnson@archallnet

REGISTERED LANDSCAPE ARCHITECT H. J. JOHNSON LA0000855 STATE OF FLORIDA

1- City Comments
DRC Resubmit 08-17-16

Revision Dates

DRC SUBMITTAL SET

THE ICEBOX CAFE AND CULINARY CENTER

HALLANDALE BEACH, FL

Sheet Description: LIGHTING PLAN

Release Date: 7-15-16

Project Number: 1612

Drawing Number: L-400

Sheet 1 of 1

LUMINIS®

MA20/MA21 SERIES
MAYA - LED
Post Top

TYPE: _____ QUANTITY: _____ PROJECT: _____

CATALOG NUMBER:								
	FIXTURE	WATTAGE	VOLTAGE	FINISH	OPTION	OPTION	OPTION	OPTION

1- Cast aluminum LED heat sink.
2- Optical system assembly.
3- Set of two cast aluminum supporting struts.
4- Removable cast aluminum cover for easy access to electrical components and driver.
5- LED driver housing.
6- Lower cast aluminum housing to fit with 4" (102) or 5" (127) I.D pole. 6" (152) O.D available on request.
7- 30" Diameter hard aluminum shade (MA21 only).

MA20

MA21

MATERIALS
MayaLED is made of corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%.
COB LED is assembled on a thick pad housing chamber designed with a heat sink pattern to optimize heat dissipation and luminaire efficacy. The power supply is enclosed in an isolated chamber allowing a quick access for electrical maintenance without disturbing the optical light chamber.
COB LED is removable and replaceable for ease of maintenance or lighting upgrade.

ELECTRICAL
LED

POWER SUPPLY Standard driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compability (50-60Hz); operating temperature range of -30 C/-22 F to 60 C/140 F, output: over voltage protection, output over current protection and output short circuit protection with auto-recovery.

LED Type II, III, IV or V light distribution via high performance optical lenses. Standard 4000K/80CRI. Optional 2700K, 3000K, 3500K and 5000K.

LIFE
125,000hrs ($L_{70}B_{50}$) based on LM-80 report for lumen maintenance.

FINISH
Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

MOUNTING
Maximum weight: 26lbs (12kg)
MayaLED is designed for ease of access and installation. Designed for wall or pole mount to fit with a 4" (102) or 5" (127) pole. 6" (152) available on request. Alternate poles or wall attachments are available to meet multiple installation conditions. (Refer to page 3)

CERTIFICATION
Tested to UL1598 and CSA22.2 #250. ETL listed for wet location.
Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25 C/77 F. Lumen depreciation in accordance with IESNA LM80 standards.
CE Certification on request.
Rated IP66.

MA21
Luminaire with shade.
EPA: 1.10

MA20
Luminaire less shade.
EPA: 0.93

May 2016 Rev. 0

LUMINIS®

MA20/MA21 SERIES
MAYA - LED

LUMINAIRE SELECTION

MODEL#

☐ MA20

☐ MA21

LED LIGHT SELECTION (4000K/80CRI)

	INPUT WATTS	DELIVERED LUMENS	MODEL	
Type II	34W	4170	☐ MA20-L1W30r1-R2	☐ MA21-L1W30r1-R2
	69W	7994	☐ MA20-L2W30r1-R2	☐ MA21-L2W30r1-R2
	112W	11029	☐ MA20-L3W30r1-R2	☐ MA21-L3W30r1-R2
	138W	13284	☐ MA20-L3W46r0-R2	☐ MA21-L3W46r0-R2
Type III	38W	4395	☐ MA20-L1W30r1-R3	☐ MA21-L1W30r1-R3
	76W	8697	☐ MA20-L2W30r1-R3	☐ MA21-L2W30r1-R3
	111W	11177	☐ MA20-L3W30r1-R3	☐ MA21-L3W30r1-R3
	135W	12697	☐ MA20-L3W46r0-R3	☐ MA21-L3W46r0-R3
Type IV	38W	4493	☐ MA20-L1W30r1-R4	☐ MA21-L1W30r1-R4
	75W	8482	☐ MA20-L2W30r1-R4	☐ MA21-L2W30r1-R4
	111W	11105	☐ MA20-L3W30r1-R4	☐ MA21-L3W30r1-R4
	135W	12378	☐ MA20-L3W46r0-R4	☐ MA21-L3W46r0-R4
Type V	36W	4243	☐ MA20-L1W30r1-R5	☐ MA21-L1W30r1-R5
	69W	7937	☐ MA20-L2W30r1-R5	☐ MA21-L2W30r1-R5
	113W	11274	☐ MA20-L3W30r1-R5	☐ MA21-L3W30r1-R5
	139W	12639	☐ MA20-L3W46r0-R5	☐ MA21-L3W46r0-R5

AMBER LED LIGHT SELECTION

INPUT WATTS	DELIVERED LUMENS	MODEL	
17W	388	☐ MA20-L1W18K2A	☐ MA21-L1W18K2A
34W	776	☐ MA20-L2W18K2A	☐ MA21-L2W18K2A
51W	1164	☐ MA20-L3W18K2A	☐ MA21-L3W18K2A

VOLTAGE[1]

☐ 120V
☐ 277V

Optional
☐ 347V
☐ 480V

FINISH

STANDARD COLORS

☐ WHT Snow white
☐ BKT Jet black
☐ BZT Bronze
☐ MST Matte silver
☐ GRT Titanium gray
☐ DGT Gun metal
☐ CHT Champagne
☐ SGT Steel Gray

OPTIONAL COLORS

☐ CS Custom color
☐ RAL RAL# color

(Refer to color chart)

NOTE: Above wattage values are based on 277V, tested at 25 C/ 77 F ambient temperature.
Wattage may vary by approx. +/- 10% for other voltages, or due to changes in ambient temperature.
Lumen output will remain constant.

OPTIONS

ELECTRICAL

☐ **PH** Photocell[2]
☐ **FS** Fuse[3]
☐ **SP** Surge protector 10KV

ACCESSORIES

☐ **BLC** Back light control

MOUNTING

☐ **AC8** Pole mount attachment with 45 support
☐ **ACW** Wall mount attachment with 45 support
☐ **EC8P** Pole mounted attachment with stacked arm
☐ **EC8PS** Pole mounted attachment with short stacked arm (MA20 only)
☐ **EC8W** Wall mount attachment with stacked arm
☐ **EC8WS** Wall mount attachment with short stacked arm (MA20 only)
☐ **TN3** 3" Tenon pole adaptor[3]

LIGHT

Alternate CCT K LED (LCF: Lumen conversion factor)

☐ **K27** 2700K CCT 80 CRI (LCF: 0.91)
☐ **K3** 3000K CCT 80 CRI (LCF: 0.94)
☐ **K35** 3500K CCT 80 CRI (LCF: 0.983)
☐ **K5** 5000K CCT 80 CRI (LCF: 1.01)

NOTE: Other CCT & higher CRI available, please consult factory.

NOTES
1- If no voltage is specified, luminaires are factory prewired by default for 120V. For other voltages, please specify with catalog number, or consult factory.
2- Fuse and photocell options are normally installed with poles when specified with Luminis luminaires. (Except for other types of mounting.)
3- 3" tenon pole adaptor only required for 3" O.D. poles by others.

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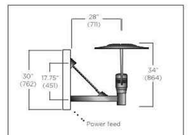
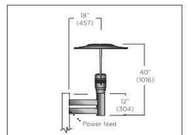
MA20 SERIES
MAYA - LED

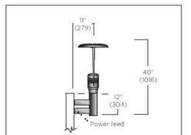
POLE MOUNT



AC8[1]
1" X 3" (25X76) extruded aluminum extended arm pole mounting adaptor designed to fit with 4 to 5" dia. poles. 1/2" dia. X 45 standard natural stainless steel rod support. (EPA: 0.7)



EC8P (Applicable for MA20 and MA21)
Set of (2) 1" X 3" (25X76) extruded aluminum side pole straight mounting. Pole mounting adaptor fits with 4 to 5" dia. poles. (EPA: 0.97)



EC8PS (Applicable for MA20 only)
Set of (2) 1" X 3" (25X76) extruded aluminum side pole straight mounting. Pole mounting adaptor fits with 4 to 5" dia. poles. (EPA: 0.72)

NOTE 1: PST Pole with AC8 attachment requires a 30" (762) tenon extension over pole nominal height. EC8P and EC8PS require an 18" tenon extension. Factory installed.

MATCHING POLE SELECTION

Ø 4"	Ø 5"	Ø 4"	Tapered Pole	Ø 4"	Height
PAA410	**PAA510**	**PST10**	-------	**PSB10**	**10 Ft. (3 M)**
PAA412	**PAA512**	**PST12**	-------	**PSB12**	**12 Ft. (3,6 M)**
PAA414	**PAA514**	**PST14**	-------	**PSB14**	**14 Ft. (4,2 M)**
PAA416	**PAA516**	**PST16**	**PTA16**	**PSB16**	**16 Ft. (4,8 M)**
PAA418	**PAA518**	-------	**PTA18**	**PSB18**	**18 Ft. (5,5 M)**
PAA420	**PAA520**	-------	**PTA20**	**PSB20**	**20 Ft. (6,0 M)**
-------	-------	-------	**PTA25**	-------	**25 Ft. (7,6 M)**

For additional pole details, please refer to separate pole specification sheet.
Ø 4" = 102mm Ø5" = 127mm

POLE MOUNTINGS

PSB Pole series
PST Pole series
PAA Pole series
PTA Pole series

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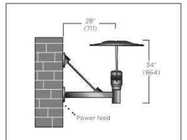
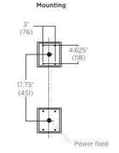
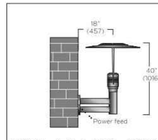
MA20/MA21 SERIES
MAYA - LED

WALL MOUNT

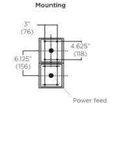


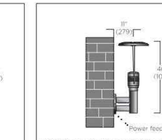
ACW
1" X 3" (25X76) extruded aluminum extended arm wall mounting adaptor with cast aluminum covers and galvanized steel mounting plates. 1/2" dia. X 45 standard natural stainless steel rod support.



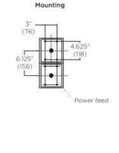


EC8W (Applicable for MA20 and MA21)
Set of (2) 1" X 3" (25X76) extruded aluminum wall mount arms with cast aluminum wall plate.





EC8WS (Applicable for MA20 only)
Set of (2) 1" X 3" (25X76) extruded aluminum wall mount arms with cast aluminum wall plate.



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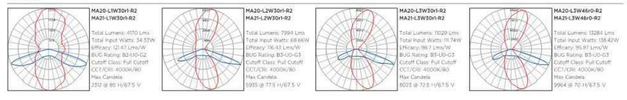
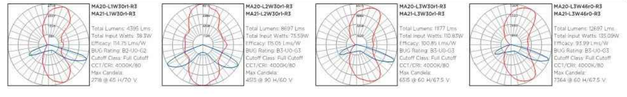
MA20/MA21 SERIES
MAYA - LED

TYPICAL PHOTOMETRY SUMMARY

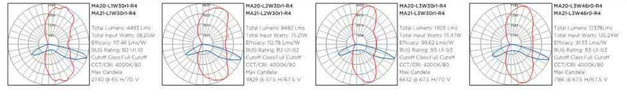
TYPE II



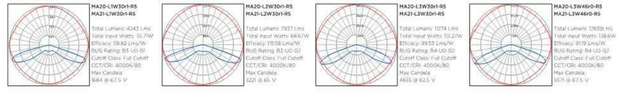
TYPE III



TYPE IV



TYPE V



Please visit our web site www.luminis.com for complete I.E.S formatted download data.
All published photometric data are executed and certified by an independent testing laboratory.

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LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLT	# LAMPS	LAMP TYPE	INPUT WATTS	MOUNTING	REMARKS
SA1	POLE MOUNTED LED SITE LIGHT FIXTURE	LUMINIS	MA21-L1W30R1-R5-XXX/PAA512		----	LED 4000K	36W	12' ROUND ALUMINUM POLE	
SB	POLE MOUNTED LED SITE LIGHT FIXTURE	LUMINIS	MA21-L3W30R1-R5-XXX/PAA520		----	LED 4000K	115W	20' ROUND ALUMINUM POLE	
SC	POLE MOUNTED LED SITE LIGHT FIXTURE	LUMINIS	MA21-L3W30R1-R2-BLC-XXX/PAA520		----	LED 4000K	115W	20' ROUND ALUMINUM POLE	
W	WALL MOUNTED LED FIXTURE	LUMINIS	MA21-L1W30R1-R3/ACW		----	LED 4000K	38W	WALL SURFACE AT 11.5' AFF	

AAL
Architectural Alliance Landscape
612 SW 4th Ave., Fort Lauderdale, FL 33315 LC0000237
TEL: 954-764.8858 EMAIL: hjohnson@archallnet

LANDSCAPE ARCHITECT
H. JOHNSON HUGHEY
LA0000855
STATE OF FLORIDA
REGISTERED

1- City Comments
DRC Resubmit 08-17-16

Revision Dates

DRC SUBMITTAL SET

THE ICEBOX CAFE AND CULINARY CENTER

HALLANDALE BEACH, FL

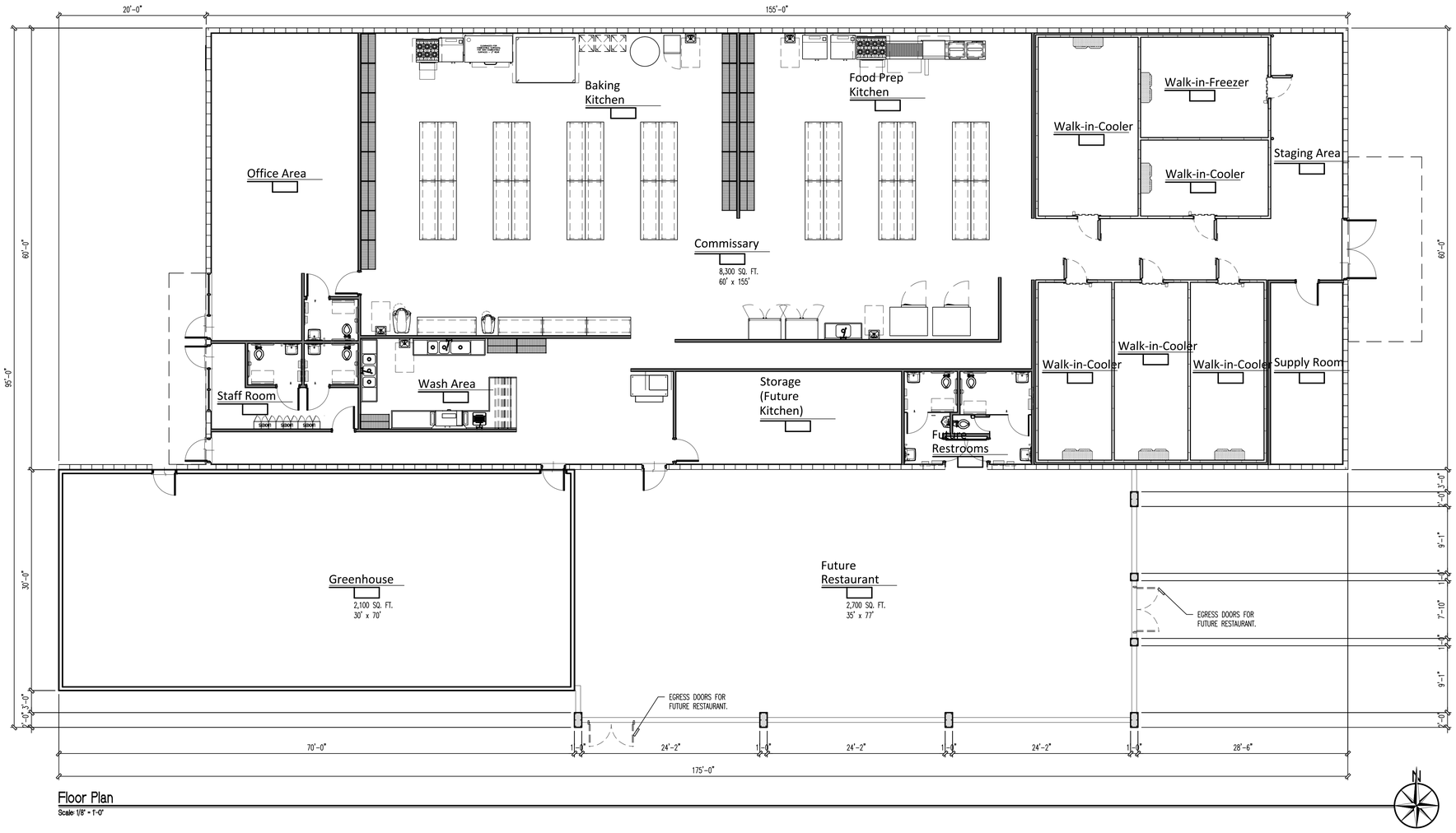
Sheet Description
LIGHTING CUT SHEETS

Release Date
7-15-16

Project Number
1612

Drawing Number
L-401

Sheet 1 of 1



Floor Plan

Scale 1/8" = 1'-0"

RJS ARCHITECTS

11019 Northwest 19th Street
Coral Springs, Florida 33071

Corp Lic: AA-26001293
Robert Jordan Sopourn III
Arch Lic: AR-0017057

O: 954.753.0018
F: 954.346.7723
E: jordy@rjsarchitects.com

A DRC Submittal for:

The IceBox Cafe and Culinary Center

Hallandale Beach, Florida 33009

THE FIRST PHASE OF CONSTRUCTION SHALL BE 'B' OCCUPANCY. THIS PORTION OF WORK SHALL NOT REQUIRE A FIRE SPRINKLER OR FIRE ALARM SYSTEM.
THE SECOND PHASE OF CONSTRUCTION FOR THE RESTAURANT SHALL BE 'A-2' OCCUPANCY. THIS PORTION OF WORK WILL REQUIRE A FIRE SPRINKLER IF THE OCCUPANCY LOADS EXCEEDS 100 OCCUPANTS. NO FIRE ALARM SHALL BE REQUIRED.

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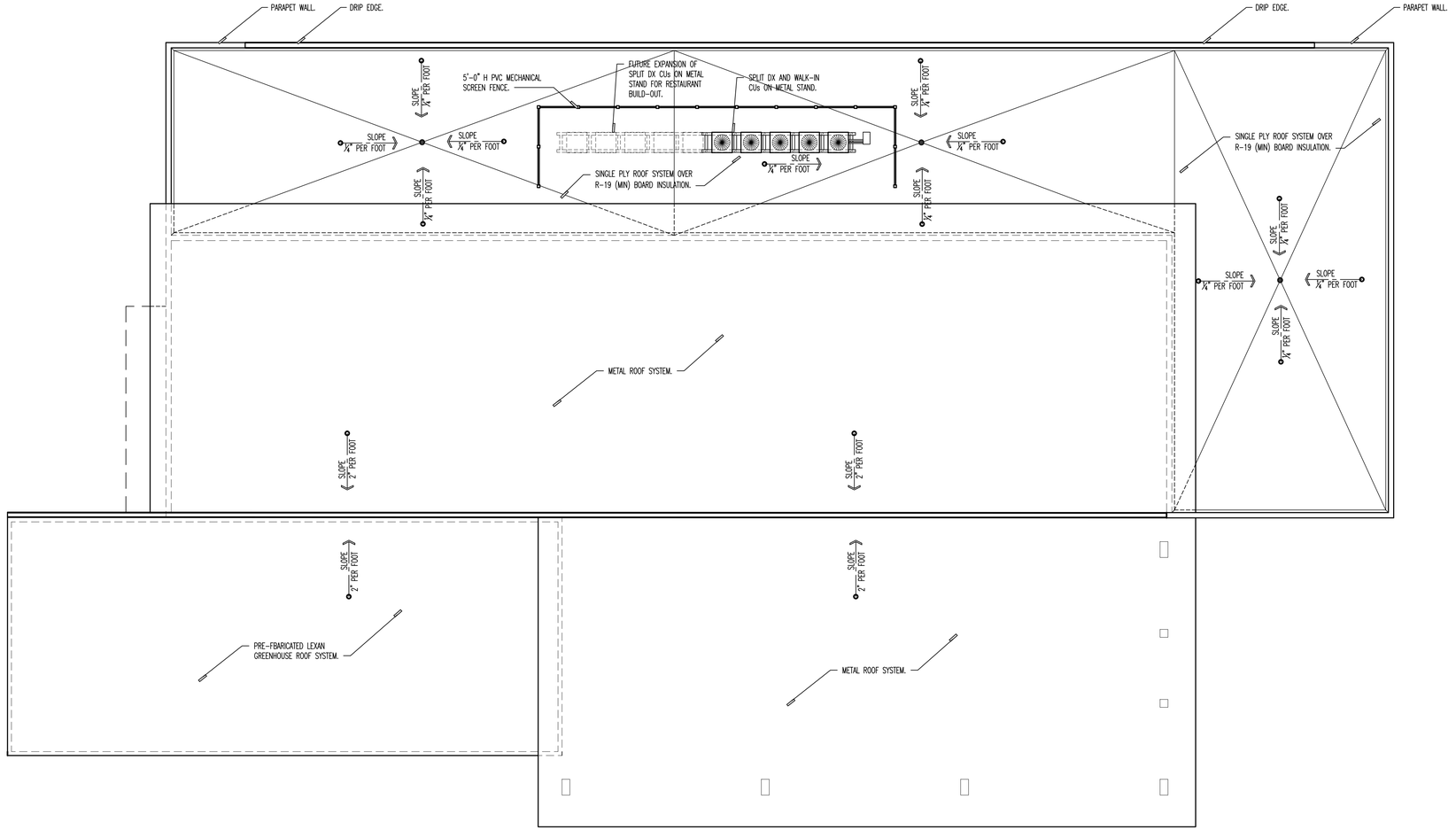

Roof Plan

Scale 1/8" = 1'-0"

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ISSUANCE OF DOCUMENTATION:

Description:	Date:
■ PRELIMINARY DESIGN	8.12.2016
❑ CLIENT APPROVAL	
❑ LANDLORD APPROVAL	
❑ BIDDING	
❑ PERMIT	

REVISIONS:

Number:	Date:	Description:
1		
2		
3		
4		
5		
6		

PRELIMINARY ROOF PLAN

Project Number: 16033

Principal: RJS
Project Manager: RJS
Drawn by: RJS

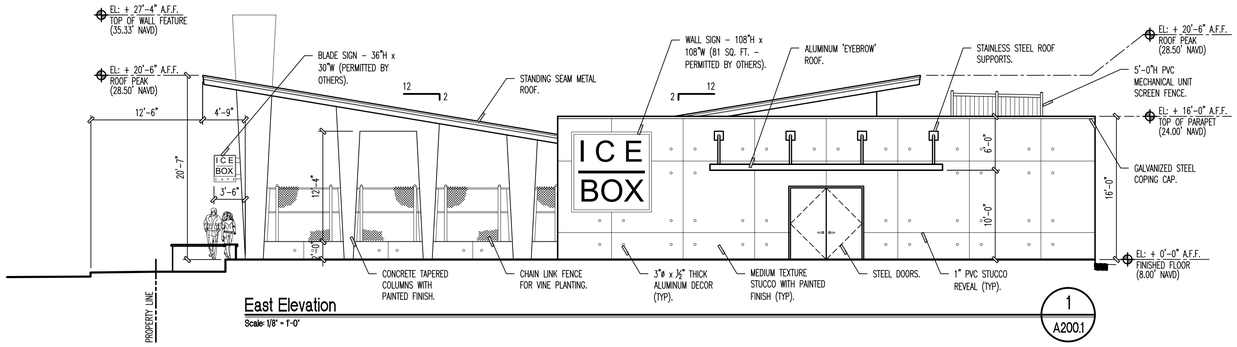
Robert Jordan Sopourn III
Architect – AR-0017057

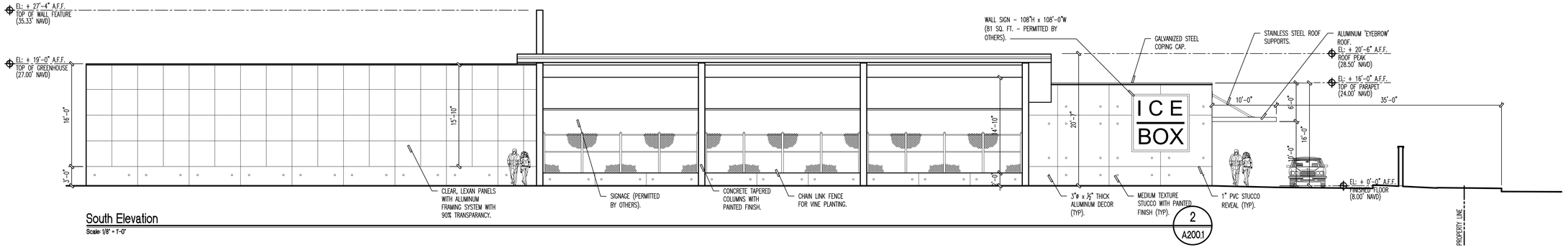
Date: 9/7/2016 11:19:06 AM

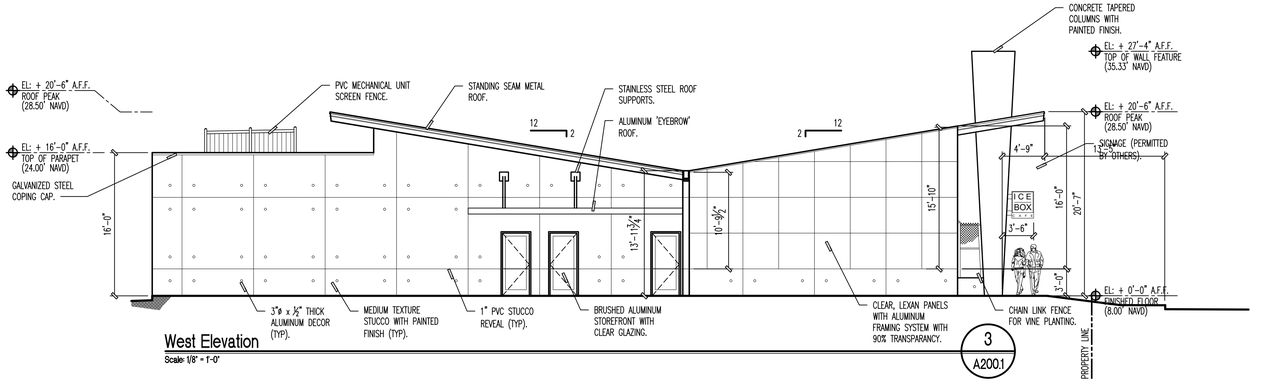
Architecture

A 190.1

Total Sheets: 7







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A DRC Submittal for:

The IceBox Cafe and Culinary Center

Hallandale Beach, Florida 33009

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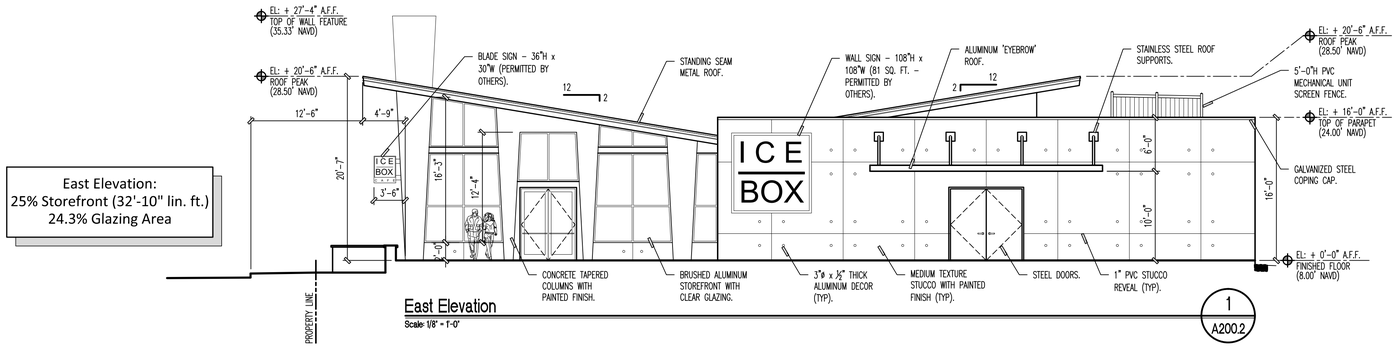
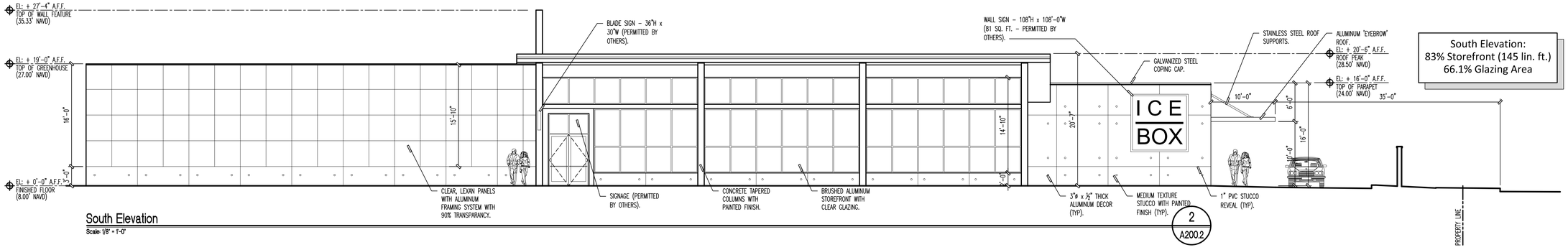
East Elevation:
25% Storefront (32'-10" lin. ft.)
24.3% Glazing Area



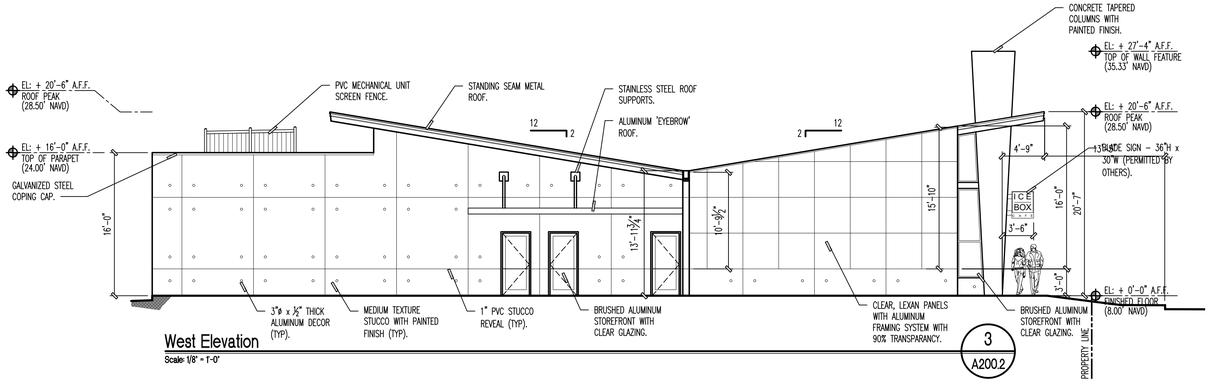
East Elevation
Scale: 1/8" = 1'-0"

1
A200.2



South Elevation
Scale: 1/8" = 1'-0"

2
A200.2



West Elevation
Scale: 1/8" = 1'-0"

3
A200.2

South Elevation:
83% Storefront (145 lin. ft.)
66.1% Glazing Area

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A DRC Submittal for:

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Hallandale Beach, Florida 33009

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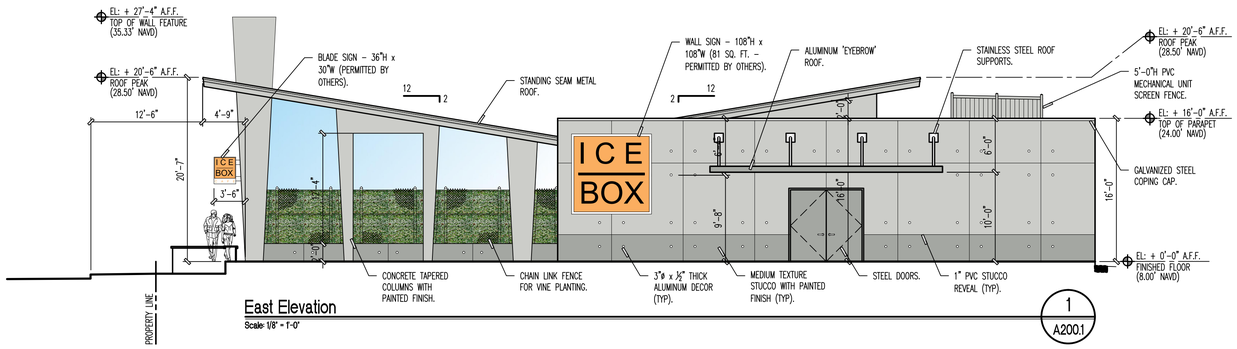

East Elevation

Scale: 1/8" = 1'-0"

1
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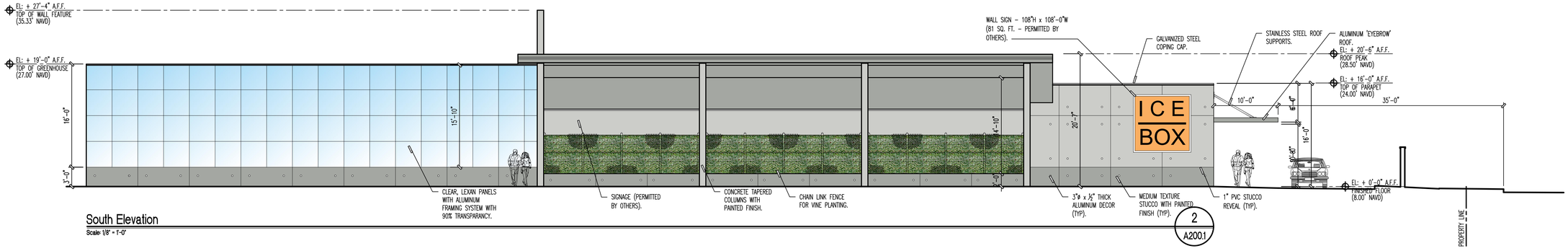

South Elevation

Scale: 1/8" = 1'-0"

2
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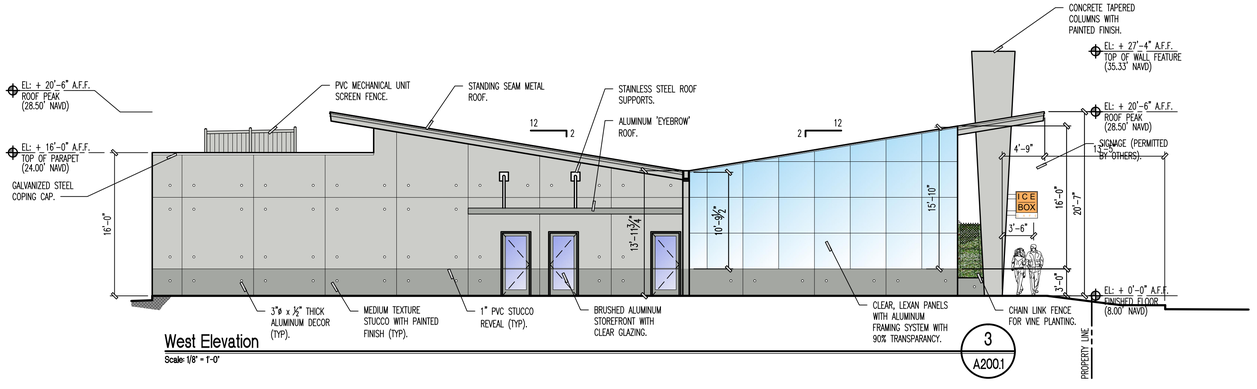

West Elevation

Scale: 1/8" = 1'-0"

3
A200.1

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A DRC Submittal for:

The IceBox Cafe and Culinary Center

Hallandale Beach, Florida 33009

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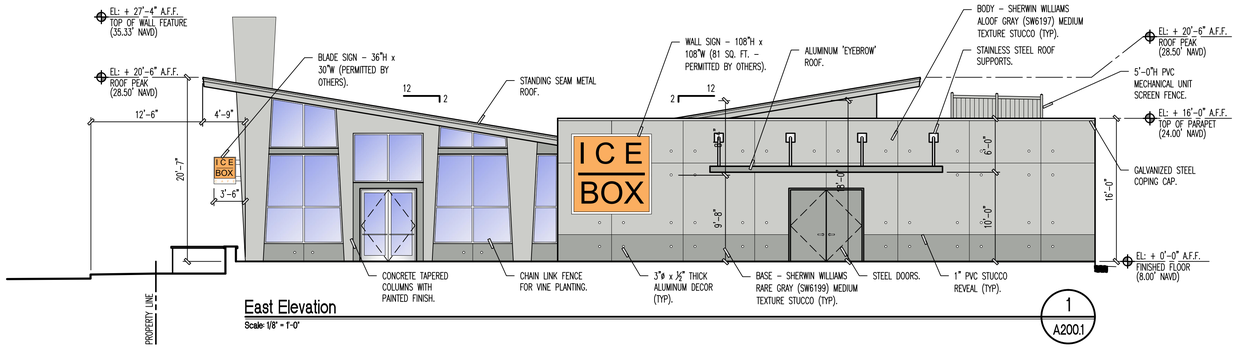

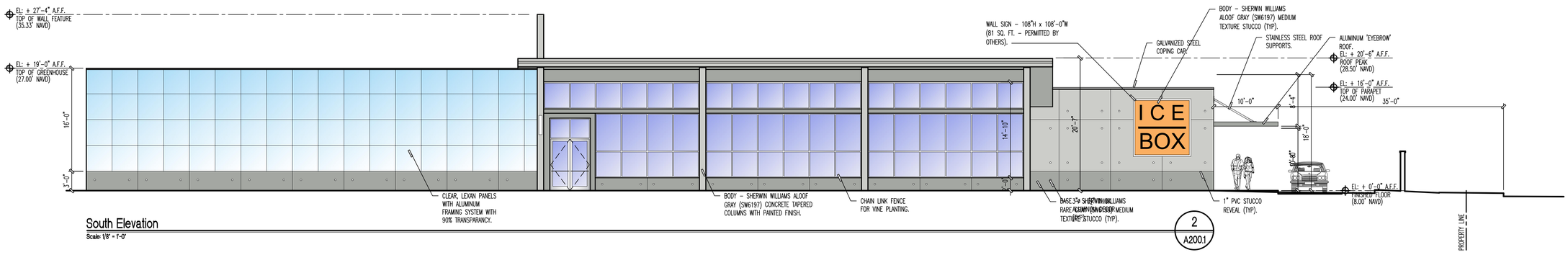

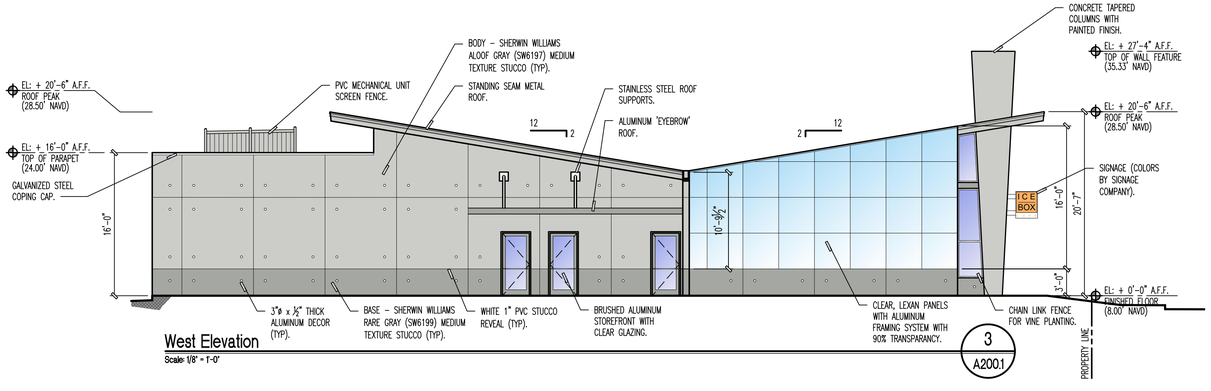

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ISSUANCE OF DOCUMENTATION:

Description:	Date:
■ PRELIMINARY DESIGN	8.12.2016
☐ CLIENT APPROVAL	
☐ LANDLORD APPROVAL	
☐ BIDDING	
☐ PERMIT	

REVISIONS:

Number:	Date:	Description:

COLORED EXTERIOR ELEVATIONS
FUTURE RESTAURANT

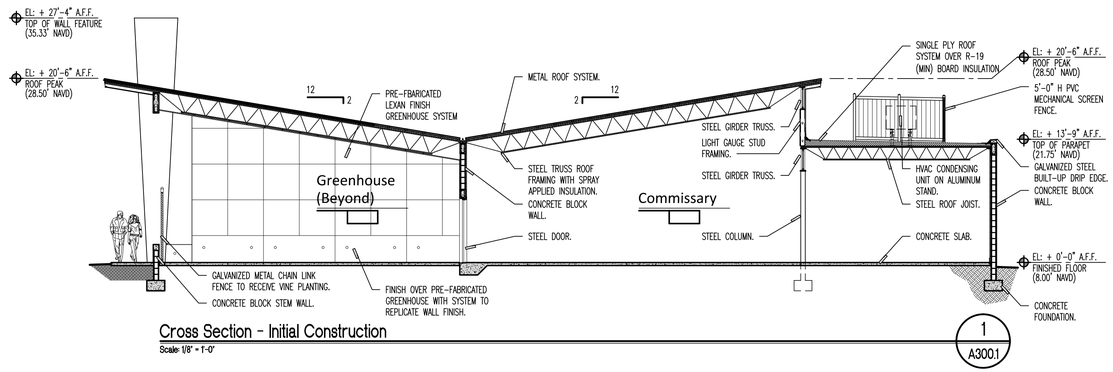
Project Number:	Principal: RJS
16033	Project Manager: RJS
	Drawn by: RJS

Robert Jordan Sopourn III
Architect - AR-0017057

Date: 9/7/2016 11:18:06 AM

Architecture
A 200.4

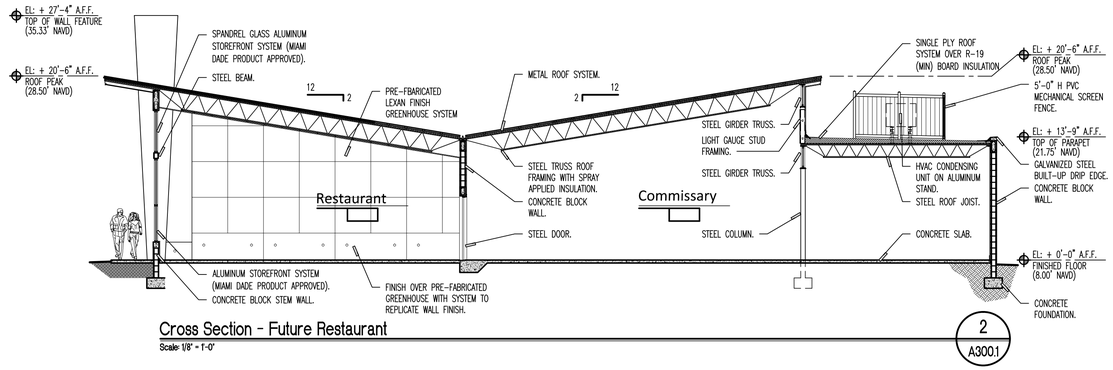
Total Sheets: 7



Cross Section - Initial Construction

Scale: 1/8" = 1'-0"

1
A300.1



Cross Section - Future Restaurant

Scale: 1/8" = 1'-0"

2
A300.1

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Hallandale Beach, Florida 33009

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CIVIL ENGINEERING PLANS

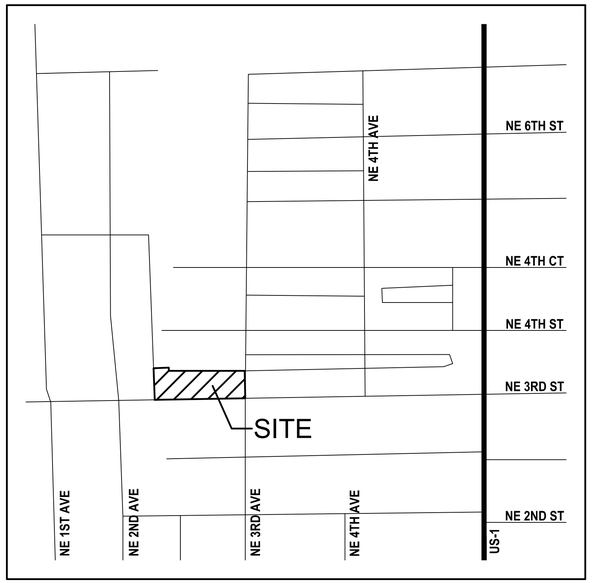
FOR

THE ICEBOX CAFE AND CULINARY CENTER

HALLANDALE BEACH, FL

SEC. 22, TWN. 51, RANGE 42

DWG NO:	DRAWING TITLE:
C-0	COVER SHEET
C-1	NOTES AND SPECIFICATIONS
C-2	PAVING, GRADING & DRAINAGE PLAN
C-3	WATER & SANITARY SEWER PLAN
C-4	PAVING, GRADING & DRAINAGE DETAILS
C-5	WATER AND SEWER DETAILS
C-6	POLLUTION PLAN



LOCATION MAP
SCALE: 1"=300'

LEGAL DESCRIPTION

LOT 5 AND THE WEST 1/2 OF LOT 4, OF HALLANDALE HEIGHTS, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 23, PAGE 19 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

AND

THE SOUTH 119.1 FEET OF BLOCK G OF RE-SUBDIVISION OF A PART OF BEN-MEL BY THE SEA, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 16, PAGE 3, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

ISSUE DATE: 9.6.16

#	DATE	REVISIONS
1	7.18.16	DRC SET
2	8.17.16	DRC RESUB SET
3	9.7.16	SP REVIEW SUBMIT

Stephen Trent Borek P.E. # 55335

COVER SHEET

THE ICEBOX CAFE AND CULINARY CENTER
NE 3rd St
Hallandale Beach, FL

Botek Thurlow Engineering, Inc.
3409 NW 9th Avenue, Suite 102, Ft. Lauderdale, FL 33309
www.botekthurlow-eng.com p: 954-568-0888 f: 954-568-0757
FL Certificate of Authorization # 26587

BTE PROJECT #:
16-0410

DATE:
07-08-16

SHEET #:
C-0

GENERAL NOTE

1. THIS CONSTRUCTION PROJECT MAY OR MAY NOT INCLUDE ALL ITEMS COVERED BY THESE NOTES AND SPECIFICATIONS, IE PAVING, GRADING, DRAINAGE LINES, WATER LINES, OR SANITARY SEWER LINES. SEE PLANS FOR DETAILED PROJECT SCOPE NOTES AND SPECIFICATIONS ON THIS SHEET REFER TO PAVING, GRADING, DRAINAGE, WATER, AND SANITARY SEWER, AND ARE INTENDED FOR THIS PROJECTS SCOPE OF WORK AND FOR REFERENCE PURPOSES FOR OTHER WORK ITEMS THAT MAY BE REQUIRED DO TO UNFORESEEN EXISTING CONDITIONS OR REQUIRED REMEDIAL WORK.

I. SPECIFIC SITE NOTES

A. "CITY" IN THESE NOTES REFERS TO THE CITY OF HALLANDALE BEACH
B. "COUNTY" IN THESE NOTES REFERS TO BROWARD COUNTY
C. "STATE" IN THESE NOTES REFERS TO THE STATE OF FLORIDA
D. ALL ELEVATIONS ON THE PLANS OR REFERENCED IN THE SPECIFICATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 NAVD), UNLESS OTHERWISE NOTED.
E. SURVEYS PERFORMED BY CALVIN GIORDANO & ASSOCIATES AND GIBBS LAND SURVEYORS

II. APPLICABLE CODES

A. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY, COUNTY AND ALL OTHER LOCAL, STATE AND NATIONAL CODES WHERE APPLICABLE.

B. IN THE EVENT OF A CONFLICT BETWEEN THE GENERAL NOTES AND CONSTRUCTION SPECIFICATIONS IN THESE PLANS, AND THE CONTRACT DOCUMENTS AND SPECIFICATIONS IN THE SPECIFICATION BOOKLET, THE CONTRACT DOCUMENTS AND SPECIFICATIONS IN THE SPECIFICATION BOOKLET SHALL GOVERN. IN THE EVENT OF A CONFLICT BETWEEN THESE CONTRACT DOCUMENTS AND THE CITY SPECIFICATIONS, THE CITY SPECIFICATIONS SHALL GOVERN.

C. ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER AND IN STRICT COMPLIANCE WITH ALL THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AND ALL STATE AND LOCAL SAFETY AND HEALTH REGULATIONS.

D. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE LAWS OF FLORIDA, AND THE CITY AND COUNTY CODES.

E. ALL HANDICAP ACCESSIBLE AREAS TO CONFORM WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT, LATEST EDITION OR THE FLORIDA BUILDING CODE. THE STRICTER OF THE TWO WILL GOVERN.

F. TRENCH SAFETY ACT:

1. ALL TRENCH EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 90-96 OF THE LAWS OF FLORIDA (THE TRENCH SAFETY ACT).
2. ALL TRENCH EXCAVATION IN EXCESS OF 5 FEET IN DEPTH SHALL BE UNDERTAKEN IN ACCORDANCE WITH O.S.H.A. STANDARD 29 CFR SECTION 1926.650 SUBPART P.
3. THE CONTRACTOR SHALL SUBMIT WITH HIS CONTRACT A COMPLETED, SIGNED, AND NOTARIZED COPY OF THE TRENCH SAFETY ACT COMPLIANCE STATEMENT. THE CONTRACTOR SHALL ALSO SUBMIT A SEPARATE COST ITEMIZATION FOR THE COST OF COMPLIANCE WITH THE APPLICABLE TRENCH SAFETY CODES.
4. A TRENCH SAFETY SYSTEM, IF REQUIRED, SHALL BE DESIGNED BY THE CONTRACTOR.

G. ASBESTOS CEMENT PIPE (ACP), AND TRANSIT PIPE, CONTAIN ASBESTOS MATERIAL ALL ASBESTOS CONTAINING MATERIALS SHALL BE HANDLED AND DISPOSED OF IN ACCORDANCE WITH THE CURRENT LOCAL, STATE AND FEDERAL REGULATIONS. THIS INCLUDES THE CUTTING, PLUGGING AND DISPOSAL OF EXISTING ACP OR TRANSITE WATER MAIN PIPES.

III. PRECONSTRUCTION RESPONSIBILITIES

A. UPON THE RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND ARRANGE A PRECONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, UTILITY OWNERS AND THE ENGINEER OF RECORD.

B. THE CONTRACTOR SHALL NOTIFY AND OBTAIN AN UNDERGROUND CLEARANCE FROM ALL UTILITY COMPANIES AND GOVERNMENTAL AGENCIES AT LEAST 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE ONE CALL OF FLORIDA, INC. CERTIFICATION CLEARANCE NUMBER AND FIELD MARKINGS AT LEAST 48 HOURS PRIOR TO BEGINNING ANY ACTIVITY. (WATER 1-800-432-4770) (FPL 305-347-3000) . CLEARANCE SHALL BE FOR ALL UTILITIES INCLUDING GAS, ELECTRIC, TELEPHONE CABLE TELEVISION, WATER, SEWER, TRAFFIC LIGHT COMMUNICATION CABLES, ETC. ON BOTH PUBLIC AND PRIVATE PROPERTY IN THE VICINITY OF THE CONSTRUCTION PROJECT, INCLUDING THE FOLLOWING UTILITY COMPANIES, WHERE APPLICABLE:

FLORIDA POWER AND LIGHT COMPANY
BELL SOUTH-
LOCAL GAS COMPANY-
LOCAL WATER AND SEWER UTILITY COMPANY(S)-
LOCAL CABLE TELEVISION COMPANY(S)-
CITY OF FORT LAUDERDALE ENGINEERING DEPARTMENT-
BROWARD COUNTY ENGINEERING DEPARTMENT-
BROWARD COUNTY TRAFFIC ENGINEERING DEPARTMENT-
FLORIDA DEPARTMENT OF TRANSPORTATION-
SUNSHINE STATE ONE CALL OF FLORIDA (1-800-432-4770)

FOR STREET EXCAVATION OR CLOSING OR FOR ALTERATION OF ACCESS TO PUBLIC OR PRIVATE PROPERTY-
LOCAL POLICE TRAFFIC SERGEANT-
LOCAL FIRE DEPARTMENT DISPATCH

C. THE CONTRACTOR SHALL USE EXTREME CAUTION WORKING UNDER, OVER AND AROUND EXISTING ELECTRIC LINES. THE CONTRACTOR SHALL CONTACT THE ELECTRIC SUPPLY COMPANY TO VERIFY LOCATIONS, VOLTAGE AND REQUIRED CLEARANCES, ONSITE. IN RIGHT-OF-WAYS AND IN EASEMENTS, PRIOR TO ANY CONSTRUCTION IN THE VICINITY OF EXISTING LINES.

D. ALL UTILITY / ACCESS EASEMENTS TO BE SECURED PRIOR TO CONSTRUCTION.

E. LOCATION AND SIZE OF ALL EXISTING UTILITIES AND TOPOGRAPHY (FACILITIES) AS SHOWN ON CONSTRUCTION DRAWINGS ARE DRAWN FROM AVAILABLE RECORDS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE FACILITIES SHOWN OR FOR ANY FACILITY NOT SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION (VERTICAL & HORIZONTAL) OF ANY EXISTING UTILITIES AND TOPOGRAPHY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE ELEVATIONS AND LOCATIONS OF ALL EXISTING FACILITIES. BY ELECTRONIC METHODS, VACUUM EXCAVATION, TEST HOLES AND BY HAND EXCAVATIONS AS REQUIRED, IN COORDINATION WITH ALL UTILITY COMPANIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. IF AN EXISTING FACILITY IS FOUND TO CONFLICT WITH THE PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD SO THAT APPROPRIATE MEASURES CAN BE TAKEN TO RESOLVE THE CONFLICT.

F. NO CONSTRUCTION MAY COMMENCE UNTIL THE APPROPRIATE PERMITS HAVE BEEN OBTAINED FROM ALL LOCAL, STATE, AND FEDERAL AGENCIES.

G. ALL REQUIRED GOVERNMENTAL AGENCY BUILDING PERMITS TO BE OBTAINED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE TO PAY ALL ASSOCIATED PERMIT FEES INCLUDING WATER AND SEWER CONNECTION AND METER FEES. THE CONTRACTOR SHALL PROVIDE THE OWNER COPIES OF THE MAIN BUILDING PERMIT FEES. THE WATER AND SEWER CONNECTION AND METER FEES TO THE BUILDINGS, AND THE FPL CONNECTION AND METER FEES TO THE BUILDINGS. THE OWNER WILL PAY AND WRITE CHECKS DIRECTLY TO THE CITY, COUNTY OR FPL FOR THE EXACT AMOUNTS ONLY. ALL TEMPORARY PERMITS FOR TRAILERS, WATER, ELECTRIC ETC. WILL BE PAID FOR BY THE CONTRACTOR. SUBCONTRACTOR PERMITS WILL BE PAID FOR BY THE SUBCONTRACTORS.

H. CONTRACTOR TO COORDINATE CONSTRUCTION SCHEDULING FOR CONNECTION TO THE EXISTING WATER AND SEWER LINES WITH THE UTILITY DEPARTMENT THAT OWNS AND/OR MAINTAINS THE WATER AND SEWER LINES.

I. THE CONTRACTOR SHALL COORDINATE THE WORK WITH OTHER CONTRACTORS IN THE AREA AND ANY OTHER UNDERGROUND CONDUIT REQUIRED FOR FP&L, BELL SOUTH, IRRIGATION SYSTEM, ETC., PRIOR TO BEGINNING SUBGRADE. THE CONTRACTOR SHALL COORDINATE RELOCATION OF ALL EXISTING UTILITIES WITH APPLICABLE UTILITY COMPANIES.

J. AT LEAST TWO (2) DAYS PRIOR TO THE START OF CONSTRUCTION, THE OWNER SHALL SUBMIT A CGP "NOTICE OF INTENT (N.O.I.) TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES THAT DISTURB ONE OR MORE ACRES OF LAND" FORM (DEP FORM 62-621.300(4)(B)) TO FDEP NOTICES CENTER AS WELL AS A COPY TO THE CITY OF FT. LAUDERDALE. THE CONTRACTOR WILL BE RESPONSIBLE FOR (1) IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) THAT WAS REQUIRED TO BE DEVELOPED PRIOR TO NOI SUBMITTAL, AND (2) RETENTION OF RECORDS REQUIRED BY THE PERMIT, INCLUDING RETENTION OF A COPY OF THE SWPPP AT THE CONSTRUCTION SITE FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL SITE STABILIZATION. A "NOTICE OF TERMINATION (N.O.T.) OF GENERIC PERMIT COVERAGE" FORM (DEP FORM 62-621.300(6)) MUST BE SUBMITTED TO FDEP TO DISCONTINUE PERMIT COVERAGE, SUBSEQUENT TO COMPLETION OF CONSTRUCTION. FOR ADDITIONAL INFORMATION SEE FDEP WEBSITE: http://www.dep.state.fl.us/water/stormwater/npdes/index.htm

K. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL ACTIVITIES RELATED TO DEWATERING PERMITS, INCLUDING DESIGN PLANS.

IV. INSPECTIONS / TESTING:

A. THE CONTRACTOR SHALL NOTIFY IN WRITING THE CITY, THE COUNTY, THE ENGINEER OF RECORD, & ANY OTHER GOVERNMENTAL AGENCIES HAVING JURISDICTION AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO REQUIRED INSPECTIONS OF THE FOLLOWING ITEMS. WHERE APPLICABLE:

1. CLEARING AND EARTHWORK
2. STORM DRAINAGE SYSTEMS
3. SANITARY SEWER SYSTEMS
4. WATER DISTRIBUTION SYSTEMS
5. LIMEROCK BASE
6. ASPHALT OR CONCRETE PAVEMENT
7. SIDEWALKS
8. LANDSCAPING
9. SITE LIGHTING
10. ELECTRICAL AND COMMUNICATION LINES
11. UTILITY CONDUITS
12. IRRIGATION
13. FINAL

B. THE OWNER, ENGINEER AND LOCAL PERMITTING AGENCIES MAY MAKE INSPECTIONS OF THE WORK AT ANY TIME. THE CONTRACTOR SHALL COOPERATE FULLY WITH ALL INSPECTIONS

C. TESTING - ALL TESTING REQUIRED BY THE PLANS AND SPECIFICATIONS SHALL BE PERFORMED BY AN INDEPENDENT LICENSED TESTING COMPANY, ALL TESTING COSTS (SITE CIVIL) SHALL BE PAID FOR BY THE CONTRACTOR (AS SPECIFIED IN THE CONSTRUCTION CONTRACT), EXCEPT THOSE TESTS FAILING TO MEET THE SPECIFIED REQUIREMENTS, WHICH ARE TO BE PAID BY THE CONTRACTOR UNLESS OTHERWISE INDICATED ON THE PLANS OR SPECIFICATIONS. REQUIRED TEST FOR ASPHALT AND LIMEROCK SHALL BE TAKEN AT THE DIRECTION OF THE ENGINEER OR THE LOCAL GOVERNMENTAL AGENCY.

V. SHOP DRAWINGS

A. PRIOR TO CONSTRUCTION OR INSTALLATION, 5 SETS OF SHOP DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ENGINEER OF RECORD FOR THE FOLLOWING (IF APPLICABLE): LIFT/ PUMP STATION EQUIPMENT, SANITARY MANHOLES, CATCH BASINS, FIRE HYDRANTS, VALVES, PIPE MATERIAL AND ALL REQUIRED ACCESSORIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL OTHER AGENCY APPROVALS IF REQUIRED.

VI. TEMPORARY FACILITIES

A. GENERAL:

1. THE CONTRACTOR MUST HAVE A TEMPORARY TRAILER ON SITE FOR AN OFFICE AND TO CONDUCT SITE MEETINGS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES, COMMUNICATIONS AND ELECTRICITY.

B. TRAFFIC REGULATION:

1. MAINTENANCE OF TRAFFIC IN THE PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.). A MAINTENANCE OF TRAFFIC PLAN MUST BE APPROVED BY THE GOVERNMENTAL ENGINEERING DIVISION HAVING JURISDICTION FOR THE SECTION OF ROADWAY BEFORE STARTING WORK IN THE PUBLIC RIGHT-OF-WAY.
2. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
3. NO TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS, UNLESS IN ACCORDANCE WITH METHODS APPROVED BY THE GOVERNMENTAL ENGINEERING DIVISION HAVING JURISDICTION FOR THE SECTION OF ROADWAY.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR ANY NECESSARY CONSTRUCTION, PAVEMENT MARKING AND SIGNAGE OR PEDESTRIAN SIGNALIZATION AND/OR SIGNAL MODIFICATION TO ACCOMMODATE AN ALTERNATE SAFE WALK ROUTE.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE CONTINUOUS ACCESS TO THE ADJACENT SITES DURING CONSTRUCTION.

C. SECURITY FENCE:

1. CONTRACTOR SHALL CONSTRUCT TEMPORARY FENCING TO SECURE THE SITE AT ALL TIMES.
2. THE CONTRACTOR'S ONSITE EQUIPMENT, STOCKPILED MATERIAL AND SUPPLIES SHALL BE KEPT IN A SECURE FENCED AND LOCKED LOCATION WHEN CONTRACTOR IS NOT ONSITE.

VII. PROJECT PROGRESS AND CLOSEOUT

A. CLEANING UP:

1. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER, AND UPON FINAL CLEAN-UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE BROOM SWEPT CLEAN.
2. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY THE ENGINEER OF RECORD, ANY PUBLIC OR PRIVATE PROPERTY (HIGHWAY, DRIVEWAY, WALK AND LANDSCAPING, ETC.), DAMAGED BY HIS WORK, EQUIPMENT, OR EMPLOYEES, TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS. SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.
3. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR HAS BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING THE PROGRESS OF THE WORK AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.

B. ALL LAND SURVEY PROPERTY MONUMENTS OR PERMANENT REFERENCE MARKERS, REMOVED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED BY A STATE OF FLORIDA REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.

C. ALL UNPAVED SURFACES DISTURBED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED BEFORE THE CONSTRUCTION.

D. PROJECT RECORD DOCUMENTS:

DURING THE DAILY PROGRESS OF THE JOB, THE CONTRACTOR SHALL RECORD ON HIS SET OF CONSTRUCTION DRAWINGS THE EXACT LOCATION, LENGTH, MATERIAL AND ELEVATION OF ANY FACILITY NOT BUILT EXACTLY ACCORDING TO PLANS.

1. UPON COMPLETION OF DRAINAGE IMPROVEMENTS AND LIMEROCK BASE CONSTRUCTION (AT LEAST 48 HOURS BEFORE PLACING ASPHALT PAVEMENT) THE CONTRACTOR SHALL FURNISH THE ENGINEER OF RECORD "AS-BUILT" PLANS FOR THESE IMPROVEMENTS, SHOWING THE LOCATIONS AND PERTINENT GRADES OF ALL DRAINAGE INSTALLATIONS AND THE FINISHED ROCK GRADES OF THE ROAD CROWN AND EDGES OF PAVEMENT AT 50 FOOT INTERVALS, INCLUDING LOCATIONS AND ELEVATIONS OF ALL HIGH AND LOW POINTS.
2. UPON COMPLETION OF CONSTRUCTION, AND PRIOR TO FINAL PAVMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD ONE COMPLETE SET OF ALL "AS-BUILT" CONTRACT DRAWINGS. THESE DRAWINGS SHALL BE MARKED TO SHOW "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONS, LOCATIONS, AND ELEVATIONS OF ALL IMPROVEMENTS.
3. AS-BUILTS OF WATER LINES SHALL INCLUDE THE FOLLOWING INFORMATION:
   a. TOP OF PIPE ELEVATIONS EVERY 100 LF.
   b. LOCATIONS AND ELEVATIONS OF ALL FITTINGS INCLUDING BENDS, TEES, VALVES, DOUBLE DETECTOR CHECK VALVES, FIRE HYDRANTS, ETC.
   c. ALL TIE INS TO EXISTING LINES SHALL BE AS-BUILT.
   d. THE TAP AND TERMINAL END AT ALL WATER SERVICES SHALL BE AS-BUILT.
   e. AS BUILT DATA SHALL INCLUDE GPS DATA.
4. AS-BUILTS OF ALL GRAVITY SANITARY SEWER LINES SHALL INCLUDE THE FOLLOWING INFORMATION:
   a. RIMS, INVERTS AND LENGTH OF PIPE BETWEEN STRUCTURES AS WELL AS SLOPES.
   b. THE TAP AND STUB ENDS OF ALL SEWER LATERALS SHALL BE LOCATED AND IF THERE ARE ANY CLEANOUTS INSTALLED ON THE SEWER LATERALS THEN THE INVERT ELEVATION OF THESE CLEANOUTS SHALL BE OBTAINED.
   c. LIFT STATION AS-BUILTS SHALL CONSIST OF TOP OF WET WELL ELEVATION, INVERT ELEVATION OF THE INCOMING LINE, BOTTOM OF THE WET WELL AND AS-BUILTS OF THE COMPOUND AREA.
   d. AS BUILT DATA SHALL INCLUDE GPS DATA.
5. FORCE MAIN AS-BUILTS SHALL BE PREPARED THE SAME AS THE WATER LINE AS-BUILTS.
6. AS-BUILTS OF ALL DRAINAGE LINES SHALL INCLUDE THE FOLLOWING INFORMATION:
   a. RIMS, INVERTS AND LENGTH OF PIPING BETWEEN STRUCTURES AND WEIR ELEVATIONS IF APPLICABLE.
   b. THE SIZE OF THE PIPING SHALL BE VERIFIED BY THE SURVEY CREW AT THE TIME OF AS-BUILT. DRAINAGE WELL STRUCTURE AS-BUILTS SHALL INCLUDE, BUT NOT BE LIMITED TO, TOP OF CASING ELEVATION, TOP AND BOTTOM ELEVATIONS OF THE BAFFLE WALLS, RIM ELEVATIONS AND INVERTS OF PIPING.
7. ALL ROCK AS-BUILTS FOR PARKING LOT AREAS SHALL CONSIST OF THE FOLLOWING:
   a. ROCK ELEVATIONS AT ALL HIGH AND LOW POINTS, AND AT ENOUGH INTERMEDIATE POINTS TO CONFIRM SLOPE CONSISTENCY.
   b. ROCK AS-BUILTS SHALL BE TAKEN AT ALL LOCATIONS WHERE THERE IS A FINISH GRADE ELEVATION SHOWN ON THE DESIGN PLANS.
   c. ALL CATCH BASIN AND MANHOLE RIM ELEVATIONS SHALL BE SHOWN.
   d. ELEVATIONS AROUND ISLAND AREAS WILL ALSO BE REQUIRED.
   e. WHERE CONCRETE IS TO BE USED AS A FINISHED PRODUCT FOR THE ROADWAY OR PARKING LOT ROCK AS-BUILTS WILL BE REQUIRED AS INDICTED ABOVE AS WELL AS AS-BUILTS ON THE FINISHED CONCRETE AT LOCATIONS WHERE THERE IS A FINISH GRADE ELEVATION SHOWN ON THE DESIGN PLANS.
   f. AS-BUILTS SHALL BE TAKEN ON ALL PAVED AND UNPAVED SWALES, PRIOR TO PLACEMENT OF ASPHALT OR TOPSOIL/SOD, AT ENOUGH INTERMEDIATE POINTS TO CONFIRM SLOPE CONSISTENCY AND CONFORMANCE TO THE PLAN DETAILS.
8. LAKE AND CANAL BANK AS-BUILTS SHALL INCLUDE A KEY SHEET OF THE LAKE FOR THE LOCATION OF CROSS SECTIONS. LAKE AND CANAL BANK CROSS SECTIONS SHALL BE PLOTTED AT A MINIMUM OF EVERY 100 LF, UNLESS OTHERWISE SPECIFIED. AS-BUILTS SHALL CONSIST OF THE LOCATION AND ELEVATION OF THE TOP OF BANK, EDGE OF WATER AND THE DEEP CUT LINE, WITH THE DISTANCE BETWEEN EACH SHOWN ON THE DRAWING.
9. RETENTION AREA AS-BUILT ELEVATIONS SHALL BE TAKEN AT THE BOTTOM OF THE RETENTION AREA AND AT THE TOP OF BANK. IF THERE ARE CONTOURS INDICATED ON THE DESIGN PLANS, THEN THEY SHALL BE AS-BUILT AS WELL.
10. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PREPARE RECORD DRAWINGS, "AS-BUILTS", ON FULL SIZE, 24" X 36" REPRODUCIBLE MATERIAL. ALL RECORD DRAWING, "AS-BUILT" INFORMATION SHALL BE PUT ON THE LATEST ENGINEERING DRAWINGS. ONE (1) SET OF REPRODUCIBLE RECORD DRAWINGS, "AS-BUILTS", SHALL BE SUBMITTED ALONG WITH THREE (3) SETS OF BLUE OR BLACK LINE DRAWINGS. THESE DRAWINGS SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL LAND SURVEYOR. ADDITIONALLY, AN ELECTRONIC COPY OF THESE RECORD DRAWINGS, "AS-BUILTS", SHALL BE SUBMITTED TO THE ENGINEER OF RECORD IN AUTOCAD, VERSION 2000.

VIII. GENERAL

A. IT IS THE INTENT OF THESE SPECIFICATIONS TO DESCRIBE THE MINIMUM ACCEPTABLE TECHNICAL REQUIREMENTS FOR THE MATERIALS AND WORKMANSHIP FOR CONSTRUCTION OF SITE IMPROVEMENTS FOR THIS PROJECT.

B. IT IS THE INTENT THAT THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION: (CURRENT EDITION) TOGETHER WITH "SUPPLEMENTAL SPECIFICATIONS TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (CURRENT EDITION), AND THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS (CURRENT EDITION) BE USED WHERE APPLICABLE FOR THE VARIOUS WORK, AND THAT WHERE SUCH WORDING THEREIN REFERS TO THE STATE OF FLORIDA AND IT DEPARTMENT OF TRANSPORTATION AND PERSONNEL, SUCH WORDING IS INTENDED TO BE REPLACED WITH THE WORDING WHICH WOULD PROVIDE PROPER TERMINOLOGY; THEREBY MAKING SUCH STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" TOGETHER WITH THE "FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS" AS THE "STANDARD SPECIFICATIONS" FOR THIS PROJECT. IF WITHIN A PARTICULAR SECTION, ANOTHER SECTION, ARTICLE OR PARAGRAPH IS REFERRED TO, IT SHALL BE PART OF THE STANDARD SPECIFICATIONS ALSO. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL AND STATE LAWS, REGULATIONS AND BUILDING CODES WHICH HAVE JURISDICTION IN THE AREA.

C. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT AND PERFORM ALL OPERATIONS REQUIRED TO COMPLETE THE CONSTRUCTION OF SITE DEVELOPMENT INCLUDING PAVING, GRADING, DRAINAGE, WATER AND SANITARY SEWER AS SHOWN ON THE PLANS, SPECIFIED HEREIN, OR BOTH. IT IS THE INTENT THAT THE WORK INCLUDE A COMPLETE AND OPERATING FACILITY IN ACCORDANCE WITH THESE SPECIFICATIONS AND THE CONSTRUCTION DRAWINGS. THE MATERIAL AND EQUIPMENT SHOWN OR SPECIFIED SHALL NOT BE TAKEN TO EXCLUDE ANY OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK.

D. ALL LABOR, MATERIALS, AND METHODS OF CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE PLANS AND CONSTRUCTION SPECIFICATIONS AND THE MINIMUM ENGINEERING AND CONSTRUCTION STANDARDS ADOPTED BY THE UNIT OF GOVERNMENT WHICH HAS JURISDICTION AND RESPONSIBILITY FOR THE CONSTRUCTION, WHERE CONFLICTS OCCUR, THE MORE STRINGENT SHALL GOVERN. THE ENGINEERING DEPARTMENT'S STANDARDS SHALL GOVERN. SUBSTITUTIONS AND DEVIATIONS FROM PLANS AND SPECIFICATIONS SHALL BE PERMITTED ONLY WHEN WRITTEN APPROVAL HAS BEEN ISSUED BY THE ENGINEER.

E. GUARANTEE - ALL MATERIALS AND EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR UNDER THIS CONTRACT, SHALL BE GUARANTEED FOR A PERIOD OF (1) ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE THEREOF, AGAINST DEFECTIVE MATERIALS, DESIGN AND WORKMANSHIP. UPON NOTIFICATION FROM THE OWNER OF FAILURE OF ANY PART OF THE GUARANTEED EQUIPMENT OR MATERIALS, DURING THE GUARANTEE PERIOD, THE AFFECTED PART OR MATERIALS SHALL BE REPLACED PROMPTLY WITH NEW PARTS OR MATERIALS BY THE CONTRACTOR, AT NO EXPENSE TO THE OWNER. IN THE EVENT THE CONTRACTOR FAILS TO MAKE NECESSARY REPLACEMENT OR REPAIRS WITHIN (7) SEVEN DAYS AFTER NOTIFICATION BY THE OWNER, THE OWNER MAY ACCOMPLISH THE WORK AT THE EXPENSE OF THE CONTRACTOR.

IX. EARTHWORK

A. ALL AREAS TO BE CONSTRUCTED UPON WITH STRUCTURES, PAVEMENT, CURB, SIDEWALK, FENCING ETC. SHALL BE CLEARED AND GRUBBED PRIOR TO CONSTRUCTION. THIS SHALL CONSIST OF THE COMPLETE REMOVAL AND DISPOSAL OF ALL TREES, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH AND ALL OTHER OBSTRUCTIONS RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE EXISTING GROUND TO A DEPTH OF (1') ITEMS DESIGNATED TO REMAIN ON TO BE RELOCATED OR TO BE ADJUSTED SHALL BE PROTECTED FROM THE CONSTRUCTION OPERATION. ALL WORK SHALL BE IN ACCORDANCE WITH SECTION 110 OF THE STANDARD SPECIFICATIONS.

B. NONE OF THE EXISTING LIMEROCK MATERIAL FROM DEMOLISHED PAVEMENT IS TO BE INCORPORATED IN THE NEW LIMEROCK BASE. THE EXISTING LIMEROCK MATERIAL FROM DEMOLISHED PAVEMENT MAY BE INCORPORATED INTO THE STABILIZED SUBGRADE / SUBBASE, OR STABILIZED SHOULDER.

C. FILL MATERIAL SHALL BE CLASSIFIED AS A-1, A-3, OR A-2-4 IN ACCORDANCE WITH AASHTO M-145 AND SHALL BE FREE FROM VEGETATION AND ORGANIC MATERIAL, NOT MORE THAN 12% BY WEIGHT OF FILL MATERIAL SHALL PASS THE NO. 200 SIEVE.

D. ALL FILL MATERIAL IN AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99.

E. ALL MATERIAL AND CONSTRUCTION SHALL BE SUBJECT TO INSPECTION AND TESTING TO ESTABLISH CONFORMANCE WITH THE SPECIFICATIONS AND SUITABLY FOR THE USES INTENDED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO THE TIME HE WILL BE READY FOR AN INSPECTION OR TEST. THE CONTRACTOR SHALL FOLLOW CITY AND COUNTY INSPECTION PROCEDURES. THE CONTRACTOR SHALL NOT PROCEED WITH ANY PHASE OF WORK DEPENDENT ON AN INSPECTION OR TEST OF AN EARLIER PHASE OF WORK, PRIOR TO THAT TEST OR INSPECTION PASSING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CERTIFIED MATERIAL TEST RESULTS TO THE ENGINEER OF RECORD PRIOR TO THE RELEASE OF FINAL CERTIFICATION BY THE ENGINEER. TEST RESULTS MUST INCLUDE, BUT MAY NOT BE LIMITED TO, DENSITIES FOR SUBGRADE AND LIMEROCK, UTILITIES, EXCAVATION, ASPHALT GRADATION REPORTS, CONCRETE CYLINDERS, ETC.

F. WHEN ENCOUNTERED, MUCK SHALL BE COMPLETELY REMOVED FROM THE CENTER LINE (10) TEN FEET BEYOND THE EDGE OF PAVEMENT EACH SIDE. ALL SUCH MATERIAL SHALL BE REPLACED BY APPROVED GRANULAR FILL, COMPACTED TO 98% OF MAXIMUM DENSITY (AASHTO T-180).

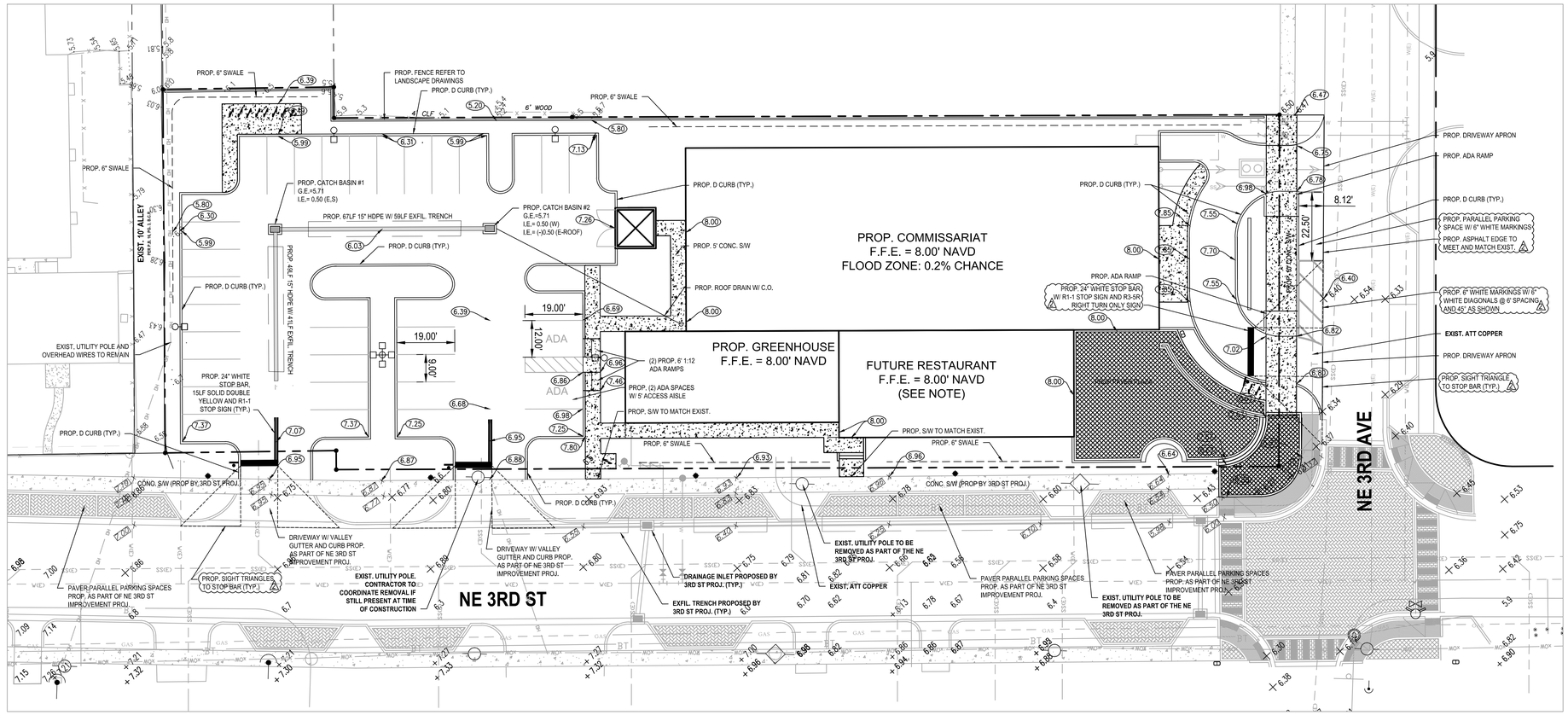
G. WHEN ENCOUNTERED WITHIN PROPOSED DRAINAGE SWALES, HARDPAN SHALL BE REMOVED FOR A WIDTH OF (5) FIVE FEET AT THE INVERT AND REPLACED WITH GRANULAR MATERIALS.

H. ALL UNDERGROUND UTILITIES AND DRAINAGE INSTALLATIONS SHALL BE IN PLACE PRIOR TO SUBGRADE PREPARATION AND PAVEMENT CONSTRUCTION.

I. GROUND ADJACENT TO ROADWAY PAVEMENT WHERE STORMWATER RUNOFF FLOWS FROM PAVEMENT TO GROUND, SHALL BE GRADED (2) TWO INCHES LOWER THAN THE EDGE OF PAVEMENT TO ALLOW FOR THE PLACEMENT OF SOD.

J. SITE GRADING ELEVATIONS SHALL BE WITHIN 0.1' OF THE REQUIRED ELEVATION AND ALL AREAS SHALL BE GRADED TO DRAIN WITHOUT PONDING.

K. THE CONTRACTOR SHALL PERFORM ALL EXCAVATION, FILL, EMBANKMENT AND GRADING TO ACHIEVE THE PROPOSED PLAN GRADES INCLUDING TYPICAL ROAD SECTIONS, SIDE SLOPES AND CANAL SECTIONS. ALL WORK SHALL BE IN ACCORDANCE WITH SECTION 120 OF THE STANDARD SPECIFICATIONS. IF FILL MATERIAL IS REQUIRED IN EXCESS OF THAT GENERATED BY EXCAVATION, THE CONTRACTOR SHALL SUPPLY THIS MATERI



PAVING, GRADING & DRAINAGE LEGEND

- PROPERTY LINE
- PROPOSED DRAINAGE PIPE WITH EXFILTRATION TRENCH
- PROPOSED CIRCULAR CATCH BASIN
- PROPOSED RECTANGULAR CATCH BASIN
- PROPOSED STORM MANHOLE
- PROPOSED LIGHT POLE REFER TO LIGHTING PLANS
- GRADE PROPOSED BY NE 3RD ST IMPROV. PROJECT
- EXISTING GRADE (SUBJECT TO CHANGE BY NE 3RD ST IMPROV. PROJECT)
- PROPOSED GRADE
- CROSS SECTION
- EXISTING SANITARY SEWER PIPE
- EXISTING WATER PIPE
- PROPOSED SEWER PIPE
- PROPOSED WATER PIPE
- EXISTING GAS PIPE
- EXISTING UNDERGROUND UTILITY

ABBREVIATIONS

F.F.ELEV.	FINISHED FLOOR ELEVATION
I.E.	INVERT ELEVATION
R.E.	RIM ELEVATION
G.E.	GRATE ELEVATION
P.R.B.	POLLUTION RETARDANT BAFFLE
PROP. ST MH	PROPOSED STORM MANHOLE
PROP. CB	PROPOSED CATCH BASIN
PROP. DW	PROPOSED DRAINAGE WELL
PROP. CS	PROPOSED CONTROL STRUCTURE

FLOOD ZONE / F.F.E. NOTES:

1. THIS SITE IS WITHIN A 0.2 % ANNUAL CHANCE FLOOD HAZARD ZONE (FLOOD PANEL # 12011C0732H)
2. THE BROWARD COUNTY 100 YEAR FLOOD PLANE ELEV. FOR THIS SITE IS 6.50' NAVD
3. THE HIGHEST ADJACENT CROWN OF ROAD IS 6.98' NAVD

PAVEMENT MARKING & SIGNAGE NOTES:

1. ALL PAVEMENT MARKING & SIGNAGE TO BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND BCTED STANDARDS (LATEST EDITION).
2. ALL PAVEMENT MARKINGS ADJACENT TO THE PUBLIC RIGHT OF WAY ARE TO BE REFLECTIVE THERMOPLASTIC.
3. ALL SIGNS SHALL USE TYPE XI SHEETING
4. ALL PAVEMENT MARKINGS SHALL BE ALKYD BASED THERMOPLASTIC AND FULLY RETROREFLECTORIZED.
5. ALL PAVEMENT MARKINGS ON PAVER SYSTEMS SHALL BE 3M 270 ES (WHITE)/270 ES (YELLOW) TAPE AND APPLIED PER MANUFACTURER'S SPECIFICATIONS.
6. SEE BCTED STANDARDS FOR PLACEMENT OF RPM's.
7. RPM's SHALL BE CLASS "B" OR EQUIVALENT, APPLIED WITH EPOXY OR BITUMINOUS ADHESIVE.
8. FDOT APPROVED SEALER SHALL BE USED WHEN APPLYING MARKINGS ON CONCRETE.
9. EXISTING MARKINGS SHALL BE REMOVED BY WATER BLASTING OR SANDBLASTING ONLY.
10. ALL STOP BARS TO BE 4' BEHIND CROSSWALK OR SIDEWALK.
11. PAVEMENT MARKING REFLECTIVITY SHALL BE 250 MILLICANDELLAS FOR WHITE AND 175 MILLICANDELLAS FOR YELLOW.
12. ANY PAVEMENT MARKINGS OR SIGNS IN PUBLIC ROW DAMAGED DURING CONSTRUCTION SHALL BE RESTORED ACCORDING TO BROWARD COUNTY TRAFFIC ENGINEERING STANDARDS

NE 3RD ST IMPROVEMENT PROJECT NOTE:

THERE IS PROPOSED TO BE IMPROVEMENTS TO MODIFY THE EXTENTS AND LAYOUT OF NE 3RD ST. THE NE 3RD ST PROJECT IS EXPECTED TO PRECEDE THE ICEBOX PROJECT AND THEREFORE THIS PLAN REFLECTS THE FUTURE NE 3RD ST LAYOUT. THE CONTRACTOR OF THE ICEBOX PROJECT IS EXPECTED TO COORDINATE WITH THE NE 3RD ST IMPROVEMENTS AND NOTIFY ENGINEER OF RECORD OF ANY COMPLICATIONS.

FUTURE RESTAURANT NOTE:

THERE IS PROPOSED TO BE A RESTAURANT CONSTRUCTED ON THIS SITE IN THE AREA SHOWN ON THIS PLAN AS "FUTURE RESTAURANT". THE ROOF OF THE FUTURE RESTAURANT IS PROPOSED TO BE CONSTRUCTED ALONG WITH THE COMMISSARIAT AND GREENHOUSE. AT A FUTURE TIME THE SLAB AND WALLS WILL BE CONSTRUCTED, PLEASE REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS. THE CONTRACTOR IS TO PLACE GRAVEL IN THIS AREA AND ENSURE THAT THE GRADING IS SUCH TO SLOPE AWAY FROM THE PROPOSED GREENHOUSE AND COMMISSARIAT UNTIL WHICH TIME THE CONSTRUCTION OF THE RESTAURANT COMMENCES.

GENERAL PAVING, GRADING & DRAINAGE NOTES:

1. ALL ROOF DRAINS TO BE CONNECTED TO THE NEAREST STORM DRAINAGE STRUCTURE.
2. TYPICAL PAVEMENT SECTION (UNLESS OTHERWISE NOTED):
   - 1½" TYPE SP-9.5 (2" LIFTS)
   - 6" LIMEROCK BASE
   - 12" STABILIZED SUBGRADE
3. CROSSWALKS AND RAMPS TO CONFORM TO ADA W/ DETECTABLE WARNING SURFACE.
4. NO FENCES, TREES OR STRUCTURES WITHIN THE PROPOSED SWALE AREAS.
5. ALL ELEVATIONS SHOWN HEREON REFER TO NAVD 1988 UNLESS NOTED OTHERWISE.
6. DEWATERING IS NOT EXPECTED TO BE REQUIRED DURING CONSTRUCTION. SHOULD DEWATERING BE REQUIRED, THE CONTRACTOR IS RESPONSIBLE FOR PREPARATION OF DEWATERING PLANS AND OBTAINING DEWATERING PERMITS.

Know what's **below.** **Call** before you dig.
www.callsunshine.com

0 10 20 40 60
GRAPHIC SCALE IN FEET
SCALE - 1" : 20' WHEN PRINTED AT 24" X 36"

ISSUE DATE: 9.6.16

#	DATE	REVISIONS
	7.18.16	DRC SET
1	8.17.16	DRC RESUB SET
2	9.7.16	SP REVIEW SUBMIT

Stephen Thurlow Botek P.E. # 57335

PAVING GRADING AND DRAINAGE PLAN

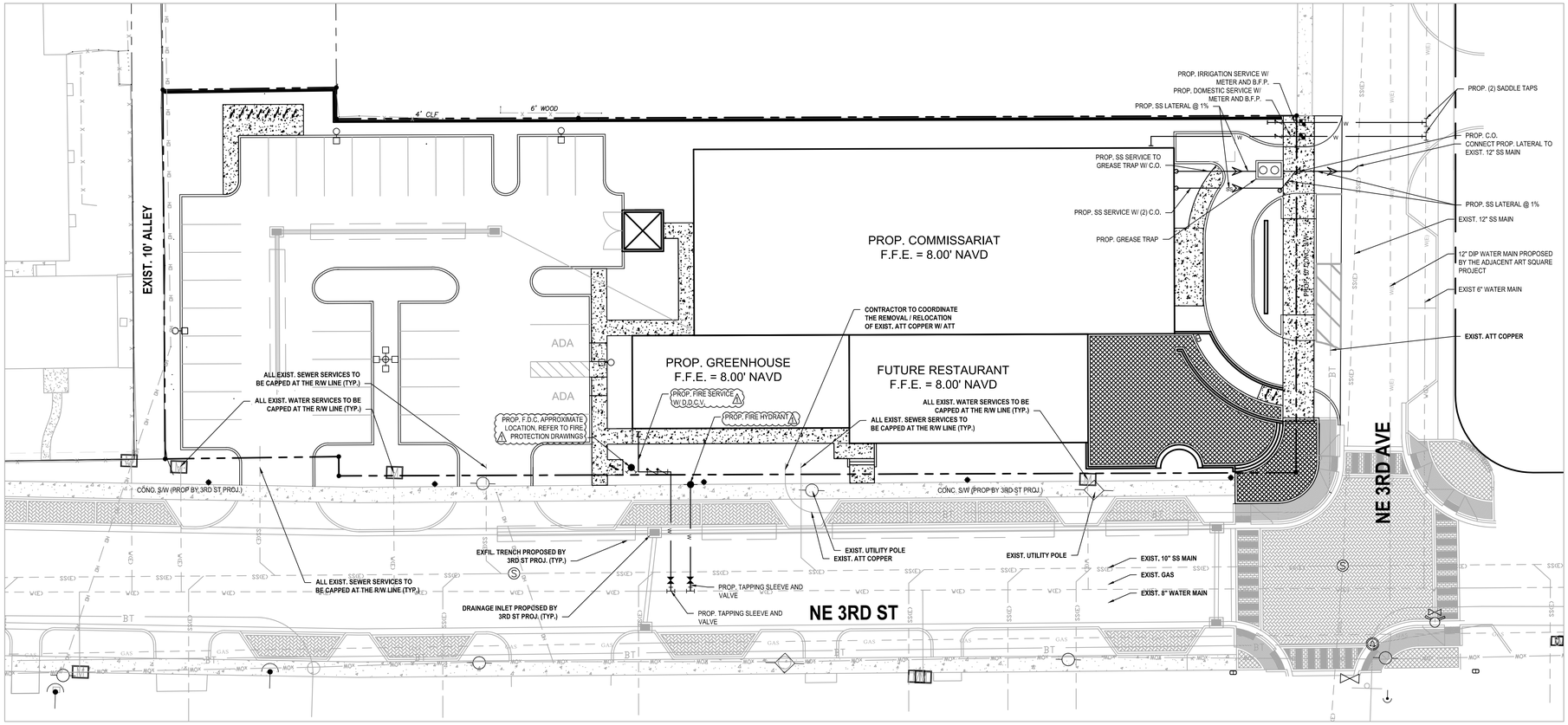
THE ICEBOX CAFE AND CULINARY CENTER
NE 3rd St
Hallandale Beach, FL

Botek Thurlow Engineering, Inc.
3409 NW 9th Avenue, Suite 1102, Ft. Lauderdale, FL 33309
www.botekthurlow-eng.com p: 954-568-0888 f: 954-568-0757
FL Certificate of Authorization # 26587

BTE PROJECT #: 16-0410

DATE: 07-08-16

SHEET #: C-2



UTILITIES LEGEND

	WYE		CAP/PLUG
	45°BEND		THRUST BLOCK
	22.5°BEND		TEE
	11.25°BEND		CROSS
	90°BEND		FIRE HYDRANT (3 NOZZLE)
	AIR RELIEF VALVE		F.D.C.
	BLOW OFF VALVE		METER
	BUTTERFLY VALVE		REDUCER
	CHECK VALVE		BACTERIOLOGICAL SAMPLING POINT
	GATE VALVE		CAP
	PLUG VALVE	S	SANITARY SEWER MANHOLE

PROPOSED SEWER PIPE — SS
PROPOSED WATER PIPE — W
EXISTING SANITARY SEWER PIPE — SS(E)
EXISTING WATER PIPE — W(E)
PROPOSED SEWER PIPE — SS
PROPOSED WATER PIPE — W
EXISTING GAS PIPE — GAS
EXISTING UNDERGROUND UTILITY — BT

SYMBOLS FOR FITTINGS, VALVES, ETC. ARE DIAGRAMMATIC ONLY AND DO NOT REFLECT ACTUAL SIZE; FOR ACTUAL DIMENSIONS REFER TO MANUFACTURER'S SPECIFICATIONS.

⚠ FIRE LINE NOTES:

1. ALL PROPOSED FIRE MAINS, SERVICES, "SIAMESE" CONNECTION LINES ETC. MUST BE INSTALLED BY A STATE LICENSED FIRE LINE CONTRACTOR PER FLORIDA STATUTE 633.
2. ALL FIRE LINES ARE TO BE INSPECTED BY CERTIFIED FIRE LINE INSPECTORS PRIOR TO BEING PLACED INTO SERVICE.
3. UPON COMPLETION OF REQUIRED TESTING A STATE LICENSED FIRE LINE CONTRACTOR SHALL ISSUE A "LICENSED UNDERGROUND TEST CERTIFICATE". THE CERTIFICATE MUST BE ISSUED AND THE FIRE LINE MUST BE ACCEPTED BY THE BROWARD COUNTY HEALTH DEPT. (WHERE APPLICABLE) PRIOR TO BEING PLACED INTO SERVICE.
4. FIRE LINE SYSTEM COMPONENTS (FDC, DDCV, FIRE LINE PIPING, ETC.) SHOWN ON THESE PLANS ARE TO BE COORDINATED WITH THE FIRE PROTECTION DRAWINGS AND DESIGN AND FIRE PROTECTION SHOP DRAWINGS. NOTIFY ENGINEER OF ANY DISCREPANCY PRIOR TO INSTALLATION OF ANY PORTION OF THE FIRE PROTECTION SYSTEM.

WATER AND SANITARY SEWER NOTES:

1. COORDINATE EXACT LOCATION OF SANITARY SEWER CLEANOUTS WITH PROPOSED LANDSCAPING PLANS.
2. ALL ELEVATIONS SHOWN HEREON REFER TO NAVD UNLESS NOTED OTHERWISE.
3. EXACT LOCATION OF METERS AND BFPs / DDCVs TO BE COORDINATED IN THE FIELD.
4. ALL EXISTING WATER AND SEWER SERVICES ARE TO BE CUT AND CAPPED AT THE PROPERTY LINE IN ACCORDANCE WITH CITY OF CITY STANDARDS UNLESS NOTED OTHERWISE
5. ANY EXISTING WATER, FIRE, SEWER AND STORM INFRASTRUCTURE ON SITE SHALL BE REMOVED ENTIRELY.

811 Know what's **below.** **Call** before you dig.
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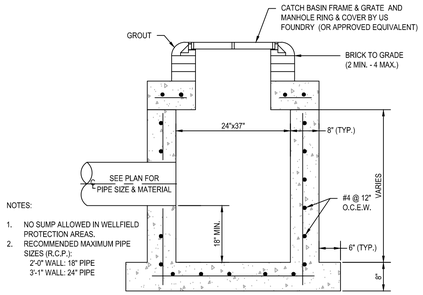
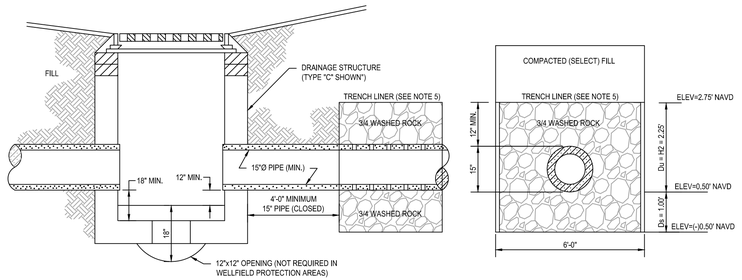
SHEET #: C-3



TYPE 'C' DRAINAGE STRUCTURE
NTS



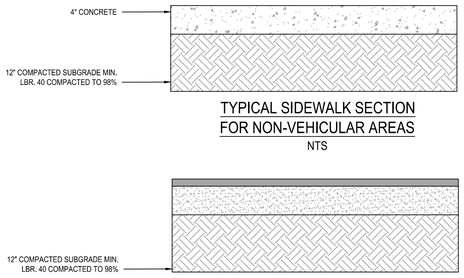
LONGITUDINAL SECTION

TRENCH SECTION

NOTES

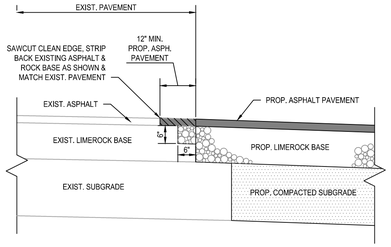
1. DRAIN FIELD MAY BE OF SLOTTED CONCRETE PIPE.
2. PIPES SHALL TERMINATE 2' FROM END OF TRENCH OR CONNECT TO ADDITIONAL CATCH BASINS WITH A MINIMUM OF 4' SEPARATION BETWEEN TRENCH AND CATCH BASIN AS REQUIRED.
3. COVER PIPE ENDS WITH NO. 10 GALVANIZED OR ALUMINUM SCREEN, OPENING NO LARGER THAN ½" x ½".
4. BALLAST ROCK SHALL BE FROM FRESH WATER WASHED FREE OF DELETERIOUS MATTER.
5. SIDES AND TOP OF TRENCH TO BE LINED WITH ONE LAYER OF PLASTIC TYPE FILTER CLOTH OR APPROVED EQUAL OVERLAP TRENCH LINING MATERIAL A MINIMUM OF TWO FEET AT TOP OF TRENCH
6. FILTER FABRIC TO BE GEOGTEX 351 OR AMOCO 4545 OR EQUIVALENT.

EXFILTRATION TRENCH DETAIL
NTS



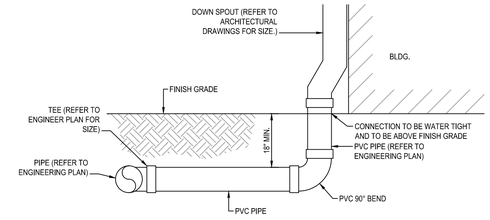
TYPICAL SIDEWALK SECTION FOR NON-VEHICULAR AREAS
NTS

TYPICAL ASPHALT PAVEMENT SECTION
NTS

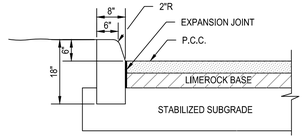


3. ALL PROPOSED STORM INLET BASINS ARE TYPE 'C' UNLESS NOTED OTHERWISE ON PLAN.

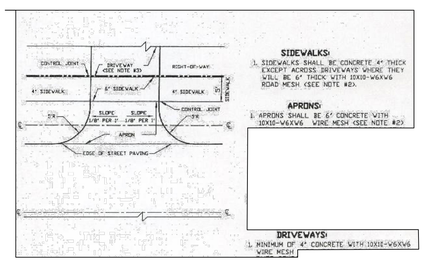
PAVEMENT CONNECTION DETAIL
N.T.S.



DOWN SPOUT CONNECTION
NTS



TYPE "D" CURB DETAIL
SCALE 1/2" = 1'-0"



NOTE: ALL CONCRETE TO BE 3000 PSI W/ CONTROL JOINTS @ 20' ON CENTER

DRIVEWAY WITH SIDEWALK DETAIL (MODIFIED CITY STANDARD)
NTS

ISSUE DATE: 9.6.16

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Stephanie Borek P.E. # 75335

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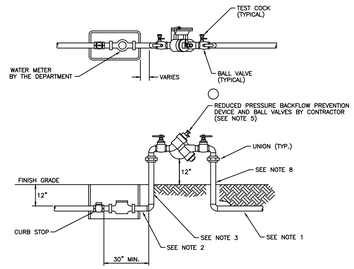
BTE PROJECT #: 16-0410

DATE: 07-08-16

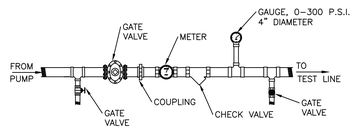
SHEET #: C-4



NOTES:

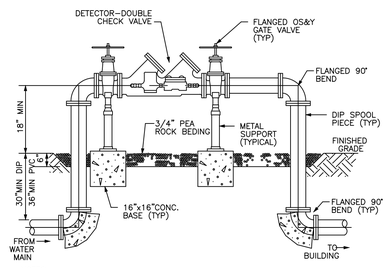
1. TYPE "K" COPPER TUBING (SOFT DRAWN) OR POLYETHYLENE TUBING SDR 9 COPPER TUBE SIZE.
2. IF THIS DISTANCE IS LESS THAN 3 FEET ONLY COPPER TUBING SHALL BE PERMITTED.
3. BOTH RISERS SHALL BE TYPE "K" COPPER TUBING (HARD DRAWN) WITH COPPER/BRASS SOLDER FITTINGS AND ADAPTERS. ONLY LEAD FREE SOLDER AND FLUX SHALL BE PERMITTED.
★ 4. BOTH 1 1/2" AND 2" CUSTOM METER SETTERS SHALL BE EQUIPPED WITH LOCK WING BALL VALVES.
5. APPROVED BACKFLOW PREVENTION DEVICES PER CITY OF HALLANDALE BEACH
6. WHEN THE DEVICE IS INSTALLED PARALLEL TO A BUILDING WALL THERE SHALL BE A MIN. OF 6" BETWEEN THE EDGE OF THE DEVICE AND THE BUILDING WALL.
7. BACKFLOW PREVENTION DEVICE SHALL BE EQUIPPED WITH BALL VALVES IN LIEU OF GATE VALVES.
8. BACKFLOW PREVENTION DEVICE SHALL BE SUPPORTED AT BOTH RISERS WITH STAINLESS STEEL UNISTRUT. RISERS TO BE ANCHORED TO UNISTRUT WITH STAINLESS STEEL (304) MOUNTING HARDWARE AND NEOPRENE INSULATORS BETWEEN ALL DISSIMILAR METALS.

R.P.Z. DOMESTIC BACKFLOW PREVENTOR DETAIL - 3/4" - 2"



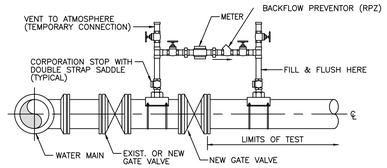
NOTE:
PRESSURE TEST TO INCLUDE SERVICES TO ANGLE STOP.

PRESSURE TEST DETAIL



NOTES :
1. 5' CHAIN LINK FENCE TO BE GALVINIZED.
2. ALL PIPING SHALL BE D.I.P. CL 350 AS APPLICABLE TO MINIMUM STANDARDS.
3. ALL LOW FLOW METER PIPING SHALL BE BRASS OR COPPER.
4. PIPING & ASSEMBLY SHALL BE PAINTED WITH LINEAR POLYURETHANE SYSTEM.
5. CONTROL VALVES TO HAVE TAMPERS IF FIRE ALARM PROVIDED.
6. CONTROL VALVES OR FENCE TO BE CHAINED AND LOCKED.

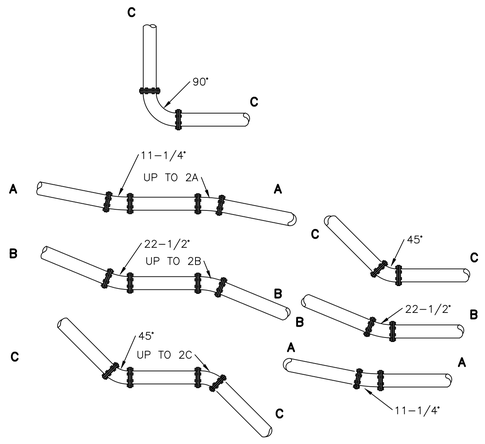
FIRE LINE DOUBLE DETECTOR CHECK VALVE DETAIL
N.T.S.



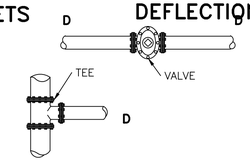
METHOD B

NOTES:
1. WATER MAIN TO BE PRESSURE TESTED AND DISINFECTED ACCORDING TO BROWARD COUNTY PUBLIC HEALTH UNIT REGULATIONS, AWWA, AND MUNICIPAL SPECIFICATIONS IN EFFECT.
2. BACTERIOLOGICAL TESTS ARE TO BE PERFORMED BY THE CONTRACTOR AND AN APPROVED TESTING LABORATORY.
3. REMOVE TEMPORARY CONNECTION AT SADDLE ON NEW MAINS AFTER FILLING AND FLUSHING HAS BEEN COMPLETED AND REPLACE WITH BRASS PLUG.
4. PROVIDE ALL NECESSARY THRUST BLOCKS OR OTHER RESTRAINTS.
5. FILLING AND FLUSHING LOCATIONS SHALL BE COORDINATED BY THE CONTRACTOR, ENGINEER, AND CITY.
6. VENT TO ATMOSPHERE SHALL REMAIN OPEN DURING ALL PHASES OF PRESSURE TESTING.

FILLING AND FLUSHING CONNECTION
NTS



OFFSETS DEFLECTIONS

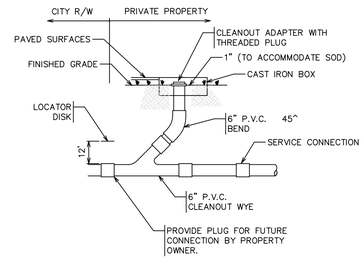


DEAD ENDS

	DISTANCE IN FEET		
SIZE	A & B	C	D
4"	18	18	54
6"	18	18	72
8"	18	36	90
10"	18	36	108
12"	18	36	126
14"	18	54	144
16"	18	54	162
18"	18	54	180
20"	18	72	198
24"	18	72	216

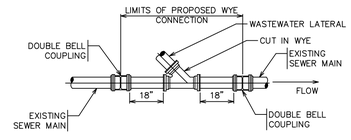
NOTE:
1. FOR PIPE SIZE OVER 24" SEE SPECIFICATIONS
2. RESTRAIN AS SHOWN ON DRAWINGS.

MINIMUM RESTRAINED JOINT LENGTH FOR PRESSURE MAINS

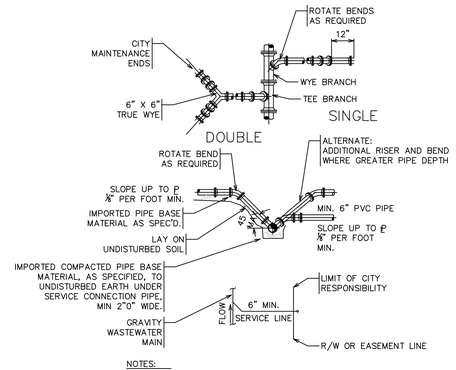


NOTES:
1. PROVIDE APPROVED PLUG OR JOINT FOR DISSIMILAR GRAVITY SEWER PIPE FOR SERVICE CONNECTION.
2. CLEAN-OUT ASSEMBLY SHALL BE INSTALLED BY PROPERTY OWNER.

TYPICAL CLEANOUT INSTALLATION

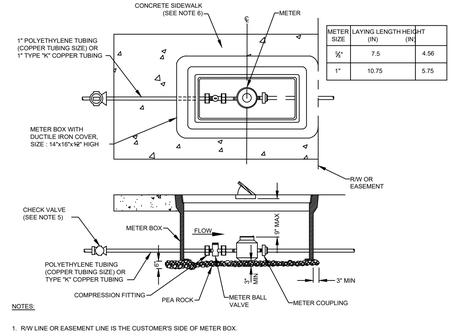


NEW LATERAL ON EXISTING GRAVITY WASTEWATER MAIN



NOTES:
1. WASTEWATER MAIN WYE BRANCH TO MATCH MAIN PIPE MATERIAL.
2. NO 90° BENDS SHALL BE USED FOR WASTEWATER SERVICE AND CLEANOUT INSTALLATIONS.
3. SERVICE LATERALS SHALL TERMINATE AT 12" INSIDE THE PROPERTY LINE AT A DEPTH OF 3 FEET EXCEPT WHERE A DEEPER INVERT IS REQUIRED BY EXISTING BUILDING CONDITIONS.

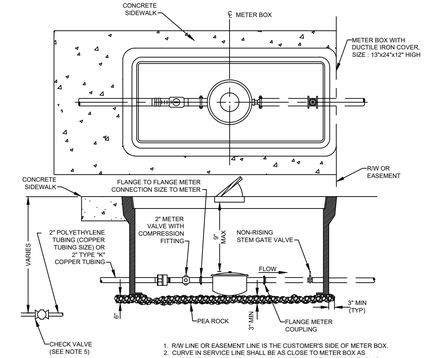
TYPICAL WASTEWATER SERVICE CONNECTION



METER SIZE	LAYING LENGTH (IN)	HEIGHT (IN)
¾"	7.5	4.56
1"	10.75	5.75

NOTES:
1. R/W LINE OR EASEMENT LINE IS THE CUSTOMER'S SIDE OF METER BOX.
2. CURVE IN SERVICE LINE SHALL BE AS CLOSE TO METER BOX AS PRACTICAL WITH A MINIMUM RADIUS SHALL BE 14" FOR 1" TUBING.
3. WHEN SIDEWALKS ARE PRESENT, OR PLANNED FOR IN THE R/W, THE BACK EDGE OF THE METER BOX SHALL LINE UP WITH THE BACK EDGE OF THE SIDEWALK.
4. METER SHALL BE CENTERED IN BOX DIRECTLY UNDER THE ACCESS LID.
5. THE CHECK VALVE IS TO BE INSTALLED 5 FEET BEFORE THE METER BALL VALVE.
6. WHEN THERE ARE NO SIDEWALKS, CONSTRUCT 6" WIDE x 6" THICK CONCRETE COLLAR AT GRADE.

WATER METER INSTALLATION FOR 1" METER
NTS



METER SIZE	LAYING LENGTH (IN)	HEIGHT(IN)
1½"	13	6 ¾"
2"	17	7 15/16"

1. R/W LINE OR EASEMENT LINE IS THE CUSTOMER'S SIDE OF METER BOX.
2. CURVE IN SERVICE LINE SHALL BE AS CLOSE TO METER BOX AS PRACTICAL WITH A MINIMUM RADIUS SHALL BE 21" FOR 2" TUBING.
3. WHEN SIDEWALKS ARE PRESENT, OR PLANNED FOR IN THE R/W, THE BACK EDGE OF THE METER BOX SHALL LINE UP WITH THE BACK EDGE OF THE SIDEWALK.
4. METER SHALL BE CENTERED IN BOX DIRECTLY UNDER THE ACCESS LID.
5. THE CHECK VALVE IS TO BE INSTALLED 5 FEET BEFORE THE METER VALVE.
6. WHEN THERE ARE NO SIDEWALKS, CONSTRUCT 6" WIDE x 6" THICK CONCRETE COLLAR AT GRADE.

METER INSTALLATION FOR
2" METERS
NTS

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BTE PROJECT #: 16-0410

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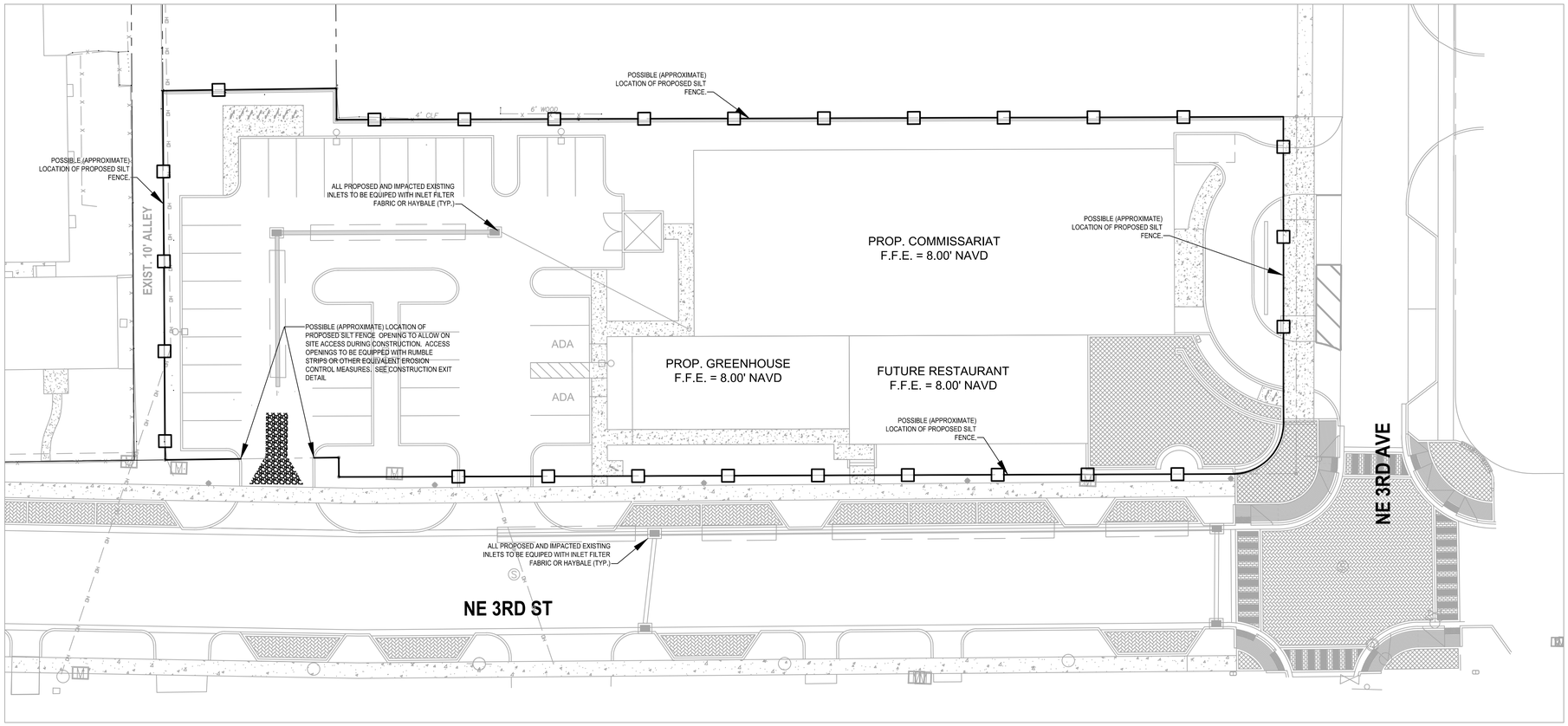
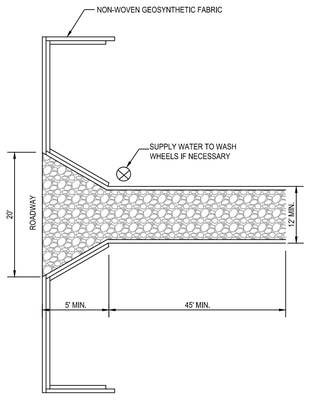
SHEET #: C-5



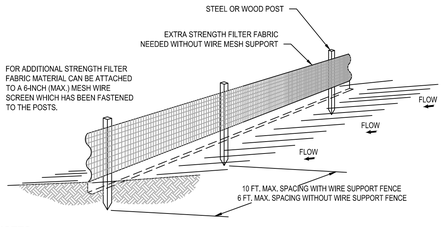


STABILIZED CONSTRUCTION EXIT

NTS

NOTES:

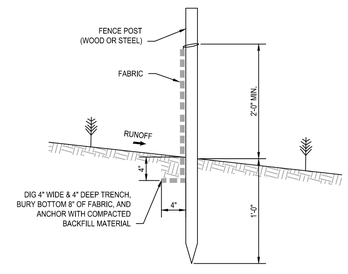
1. ROCK OR GRAVEL USED IN THE CONSTRUCTION EXIT IS TO BE AT LEAST 6" DEEP OVER A BASE OF FILTER CLOTH FOR THE ENTIRE LENGTH AND WIDTH OF THE STABALIZED EXIT.
2. ROCK OR GRAVEL TO BE LARGE ENOUGH AS TO NOT BE CARRIED OFF BY CONSTRUCTION VEHICLES.
3. REFER TO EPA'S CONSTRUCTION ENTRANCE BEST MANAGEMENT PRACTICES FOR MORE INFORMATION.



NOTES:

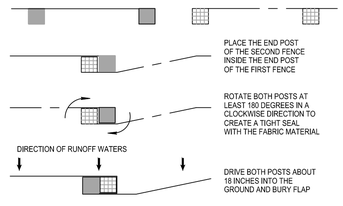
1. THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES (90 CM).
2. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS.
3. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET (3 M) APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 12 INCHES (30 CM). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET (1.8 M).
4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES (10 CM) WIDE AND 4 INCHES (10 CM) DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
5. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH (25 MM) LONG, TIE WIRES, OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES (5 CM) AND SHALL NOT EXTEND MORE THAN 36 INCHES (90 CM) ABOVE THE ORIGINAL GROUND SURFACE.
6. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES (20 CM) OF THE FILTER FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES (90 CM) ABOVE THE ORIGINAL GROUND SURFACE.
7. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.

SILT FENCH INSTALLATION DETAIL D 9.1a



SILT FENCE SECTION

NOT TO SCALE

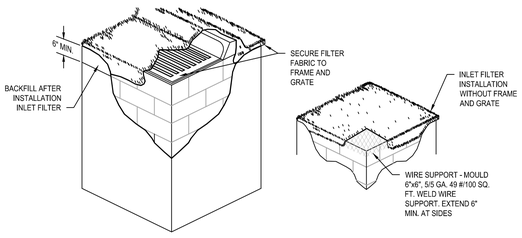


ATTACHING TWO SILT FENCES

NOT TO SCALE

POLLUTION CONTROL NOTES:

1. SILT FENCES SHALL BE INSTALLED AS NECESSARY TO CONTROL OR PREVENT OFF-SITE DISCHARGE OF SEDIMENT.
2. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED WITHIN A REASONABLE PERIOD OF TIME TO ASSURE MINIMUM EROSION OF SOILS.
3. CONTRACTOR TO PROVIDE FOR TRUCK WASH DOWN AREA AT ALL TEMPORARY AND PERMANENT ENTRANCES/EXITS DURING CONSTRUCTION.
4. CONTRACTOR TO SCHEDULE AN EROSION AND SEDIMENT CONTROL INSPECTION WITH THE CITY PRIOR TO START OF CONSTRUCTION. TO REQUEST INSPECTION CALL (954) 828-5191.
5. CONTRACTOR TO ENSURE ALL STORM WATER REMAINS ONSITE DURING CONSTRUCTION.

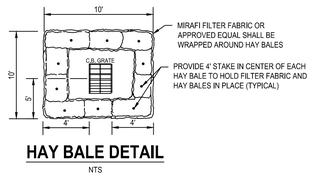


NOTES:

1. CONTRACTOR IS TO CLEAN INLET FILTER AFTER EVERY STORM.
2. CONTRACTOR TO REMOVE FABRIC JUST PRIOR TO PAVING.
3. A SEDIMENT TRAP WILL BE EXCAVATED BEHIND THE CURB AT THE INLET. THE BASIN SHALL BE AT LEAST 12 TO 14" IN DEPTH. APPROXIMATELY 36" IN WIDTH, AND APPROXIMATELY 7 TO 10 FEET IN LENGTH PARALLEL TO THE CURB.
4. STORM WATE WILL REACH THE SEDIMENT TRAP VIA CURB CUTS ADJACENT TO EACH SIDE OF THE INLET STRUCTURE. THESE OPENINGS SHALL BE AT LEAST 12 INCHES IN LENGTH. STORM WATER MAY ALSO REACH THE BASIN VIA OVERLAND FLOW LAND AREA BEHIND THE CURB. THE CUR B CUTS SHALL BE REPAIRED WHEN THE SEDIMENT TRAP IS REMOVED.
5. DURING CONSTRUCTION, ALL INLETS ON AND 100' OR CLOSER TO THE PROPERTY SHALL BE PROTECTED WITH FILTER FABRIC.

INLET FILTER DETAIL

NTS



HAY BALE DETAIL

NTS

0 10 20 40 60

GRAPHIC SCALE IN FEET

SCALE - 1" : 20' WHEN PRINTED AT 24" X 36"

ISSUE DATE: 9.6.16

#	DATE	REVISIONS
	7.18.16	DRC SET
1	8.17.16	DRC RESUB SET
2	9.7.16	SP REVIEW SUBMIT

POLLUTION AND EROSION CONTROL PLAN

THE ICEBOX CAFE AND CULINARY CENTER

NE 3rd St
Hallandale Beach, FL

Botek Thurlow Engineering, Inc.
3409 NW 9th Avenue, Suite 1102, Ft. Lauderdale, FL 33309
www.botekthurlow-eng.com p: 954-568-0888 f: 954-568-0757
FL Certificate of Authorization # 26787

BTE PROJECT #: 16-0410

DATE: 07-08-16

SHEET #: C-6