PINNACLE AT TARPON RIVER

FORT LAUDERDALE, FLORIDA



ARCHITECTURE 5101 N.W. 21ST AVENUE, SUITE 360

FORT LAUDERDALE, FL 33309 T: (954) 332-0184 F: (954) 332-0187

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JOSEPH JOHN PASQUALE, JR.

HARLAN L. KURITZKY

PINNACLE AT TARPON RIVER

805 S.E. 3rd AVE FT. LAUDERDALE, FLORIDA PROJECT NO. 1266 DATE: 02/22/13

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DETAILS C-1 **DETAILS**

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TEAM

OWNER: LOFTS AT TARPON RIVER, LLC. 9400 S DADELAND BLVD, SUITE 100 MIAMI, FL 33156

ARCHITECTURE:

PASQUALE KURITZKY ARCHITECTURE, INC. 5101 NW 21ST AVENUE, SUITE 360 FORT LAUDERDALE, FLORIDA 33309

CIVIL:

KETIH AND ASSOCIATES, INC 301 E. ATLANTIC BLVD. POMPANO BEACH, FL 33060

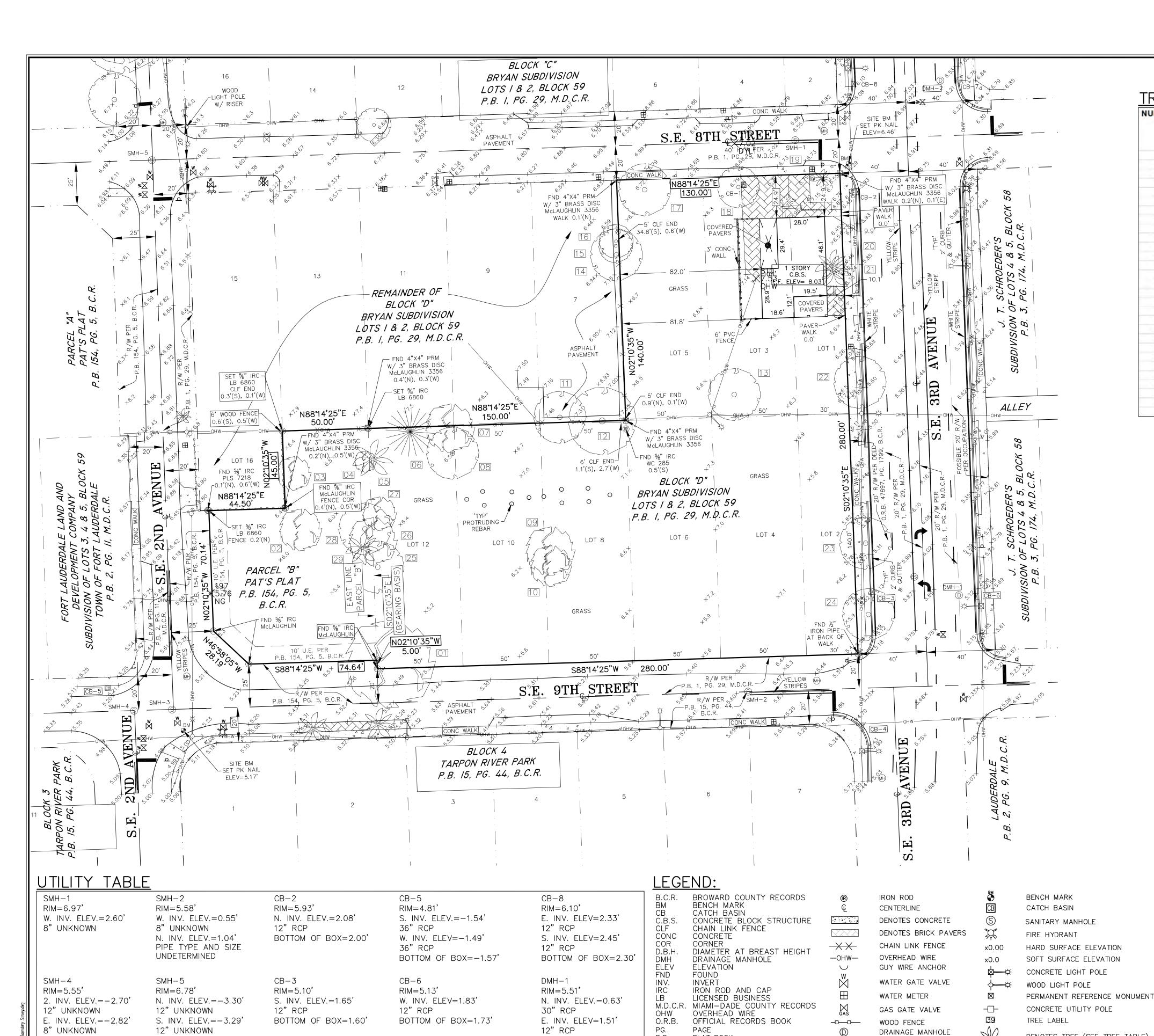
LANDSCAPE: FONT DESIGNS 7551 WILES ROAD, SUITE 105B CORAL SPRINGS, FL 33067

PHOTOMETRICS VITAL ENGINEERING, INC 7100 SW 99TH AVE, SUITE 202 MIAMI, FL 33173

COVER SHEET AND SHEET INDEX

DRC SUBMITTAL

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Page 1 of 33



S.W. INV. ELEV=0.31'

N. INV. ELEV.=1.42'

S. INV. ELEV.=1.48'

E. INV. ELEV=2.91

W. INV. ELEV=2.26'

BOTTOM OF BOX=1.36'

BOTTOM OF BOX=0.27'

30" RCP

DMH-2

RIM=6.66

30" RCP

30" RCP

12" RCP

12" RCP

CB-7

RIM=6.26

12" RCP

W. INV. ELEV=3.06'

BOTTOM OF BOX=2.96'

W. INV. ELEV.=-2.47

N. INV. ELEV.=-2.73

E. INV. ELEV.=-1.21

W. INV. ELEV.=-2.80'

12" UNKNOWN

8" UNKNOWN

12" UNKNOWN

12" UNKNOWN

SMH-3

RIM = 5.58'

E. INV. ELEV.=1.50'

W. INV. ELEV.=1.39'

E. INV. ELEV.=2.97'

BOTTOM OF BOX=1.17'

RIM = 4.70'

30" RCP

30" RCP

N.E. INV. ELEV.=-1.26

BOTTOM OF BOX = -1.30

S. INV. ELEV=-1.23

8" UNKNOWN

8" UNKNOWN

CB-1

RIM = 6.72'

12" PVC

PLAT BOOK

POLYVINYL CHLORIDE

RIGHT-OF-WAY

SEWER MANHOLE

UTILITY EASEMENT

PVC

R/W

U.E.

PROFESSIONAL LAND SURVEYOR

REINFORCED CONCRETE PIPE

PERMANENT REFERENCE MONUMENT

FPL MANHOLE

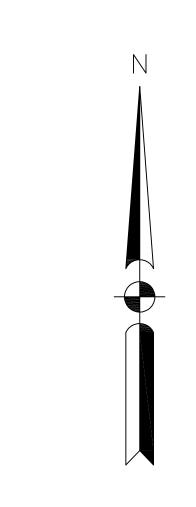
BELL SOUTH MANHOLE

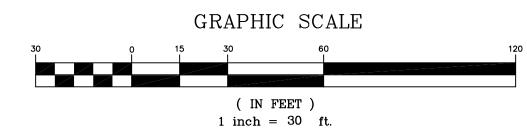
SINGLE SIGN POST

WOOD UTILITY POLE

TREE TABLE:

NUMBER	D.B.H. IN INCHES	TYPE	APPROXIMATE CANOPY DIAMETER I
1	40	UNKNOWN	55
2	12	MANGO	25
3	12	AVOCADO	20
4	8	UNKNOWN	12
5	12	PALM	24
6	18	UNKNOWN	30
7	12	MANGO	30
8	24	OAK	30
9	14	UNKNOWN	30
10	12	UNKNOWN	24
11	20	OAK	30
12	36	OAK	40
13	20	OAK	30
14	14	OAK	30
15	10	OAK	20
16	10	OAK	20
17	24	OAK	30
18	8	OAK	24
19	6	PALM	12
20	4	PALM	20
21	4	PALM	20
22	12	OAK	30
23	14	OAK	30
24	12	OAK	30
25	14	OAK	30
26	15	UNKNOWN	30
27	12	UNKNOWN	20
28	14	OAK	30
29	12	PALM	20





LAND DESCRIPTION:

ALL OF PARCEL 'B' OF "PAT'S PLAT", ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 154, ON PAGE 5, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA;

TOGETHER WITH;

LOTS 1 AND 2, LESS THE EAST 20.00 FEET AND ALL OF LOTS 3, 4, 5, 6, 8, 10 AND 12 OF BLOCK "D", BRYAN SUBDIVISION LOTS 1 & 2, BLOCK 59, TOWN OF FORT LAUDERDALE, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 1, ON PAGE 29 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

SAID LANDS SITUATED IN THE CITY OF FORT LAUDERDALE, BROWARD COUNTY, FLORIDA; CONTAINING 67,956 SQUARE FEET, (1.56 ACRES) MORE OR LESS.

SURVEY NOTES:

- 1. THE LAND DESCRIPTION SHOWN HEREON WAS PROVIDED BY THE CLIENT.
- 2. NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
- 3. LANDS SHOWN HEREON WERE NOT ABSTRACTED FOR RIGHTS OF WAY, EASEMENTS, OWNERSHIP, OR OTHER INSTRUMENTS OF RECORD.
- 4. OTHER THAN AS SHOWN, THERE IS NO EVIDENCE THAT UNDERGROUND ENCROACHMENTS EXIST. HOWEVER SUBSURFACE INVESTIGATION WAS NOT PERFORMED TO DETERMINE IF UNDERGROUND ENCROACHMENTS EXIST.
- 5. THIS SURVEY DOES NOT IDENTIFY THE LIMITS OR EXTENTS OF POTENTIAL JURISDICTIONAL BOUNDARIES.
- 6. BEARINGS SHOWN HEREON ARE BASED ON AN ASSUMED BEARING OF SOUTH 02°10'35" EAST ALONG THE EAST LINE OF PARCEL "B", PAT'S PLACE, AS RECORDED IN PLAT BOOK 154, ON PAGE 5, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.
- 7. UNLESS OTHERWISE NOTED, RECORD VALUES AND FIELD MEASURED VALUES ARE IN SUBSTANTIAL AGREEMENT.
- 8. IT IS A VIOLATION OF RULE 5J-17 OF THE FLORIDA ADMINISTRATIVE CODE TO ALTER THIS SURVEY WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF THE SURVEYOR. ADDITIONS AND/OR DELETIONS MADE TO THE FACE OF THIS SURVEY WILL MAKE THIS
- 9. THIS SURVEY IS CLASSIFIED AS COMMERCIAL/HIGH RISK AND EXCEEDS THE MINIMUM RELATIVE DISTANCE ACCURACY OF 1 FOOT IN 10,000 FEET AS REQUIRED BY THE FLORIDA MINIMUM TECHNICAL STANDARDS (5J-17, F.A.C.). THE ACCURACY OBTAINED BY MEASUREMENT AND CALCULATION OF A CLOSED GEOMETRIC FIGURE WAS FOUND TO EXCEED THIS REQUIREMENT.
- 10. THE OWNERSHIP OF FENCES AND PERIMETER WALLS SHOWN HEREON ARE NOT KNOWN AND THUS ARE NOT LISTED AS ENCROACHMENTS.
- 11. THE INTENDED DISPLAY SCALE OF THIS SURVEY IS 1" = 30' OR SMALLER.
- 12. HORIZONTAL FEATURE LOCATION IS TO THE CENTER OF THE SYMBOL WHICH HAVE BEEN ALTERED FOR CLARITY, ALL MAPPED FEATURES SHOWN HEREON WERE OBTAINED BY KEITH & ASSOCIATES, INC. FOR THE PURPOSE OF THIS SURVEY. DISTANCES SHOWN HEREON ARE IN U.S. FEET.
- 13. ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 1929). SAID ELEVATIONS ARE BASED ON CITY OF FORT LAUDERDALE BENCHMARKS; ORIGIN BENCHMARK NE-93 IS A PK NAIL IN BRASS DISC STAMPED NE-93 IN TOP OF CURB AT THE N.W. CORNER OF EAST BROWARD BOULEVARD AND FEDERAL HIGHWAY, ELEVATION = 6.112' AND BENCHMARK NE-87 IS A PK NAIL IN BRASS DISC STAMPED NE-87 IN TOP OF CURB AT THE NORTH SIDE OF EAST BROWARD BOULEVARD AND 75 FEET WEST OF THE CENTERLINE EXTENSION OF S.E. 1ST AVENUE, ELEVATION = 3.482'.
- 14. THE INTENDED ACCURACY OF THE ELEVATIONS SHOWN HEREON IS 0.02° FOR HARD SURFACES AND 0.1° FOR SOFT SURFACES. THE HORIZONTAL LOCATION ACCURACY IS +/- 0.1° .
- 15. THE HORIZONTAL DATUM FOR THIS SURVEY IS THE NORTH AMERICAN DATUM OF 1983 WITH THE NATIONAL SPATIAL REFERENCE SYSTEM 2007 ADJUSTMENT APPLIED (83/NSRS07), TRANSVERSE MERCATOR, FLORIDA EAST ZONE.

CERTIFICATE:

DENOTES TREE (SEE TREE TABLE)

I HEREBY CERTIFY THAT THE ATTACHED BOUNDARY AND TOPOGRAPHIC SURVEY OF THE HEREON DESCRIBED PROPERTY IS DEPICTED TO THE BEST OF MY KNOWLEDGE, BELIEF AND INFORMATION AS SURVEYED IN THE FIELD UNDER MY DIRECTION ON JANUARY 8, 2013. I FURTHER CERTIFY THAT THIS BOUNDARY AND TOPOGRAPHIC SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTE, SUBJECT TO THE QUALIFICATIONS NOTED HEREON.

KEITH AND ASSOCIATES, INC. CONSULTING ENGINEERS

MICHAEL M. MOSSEY, PROFEESIONAL SURVEYOR AND MAPPER FLORIDA REGISTRATION NO. 5660

BY				
REVISION				
DATE				

 CALE
 1"=30'

 ELD BOOK
 441 & 503

 RAWN BY
 S.M.

 HECKED BY
 M.M.M.

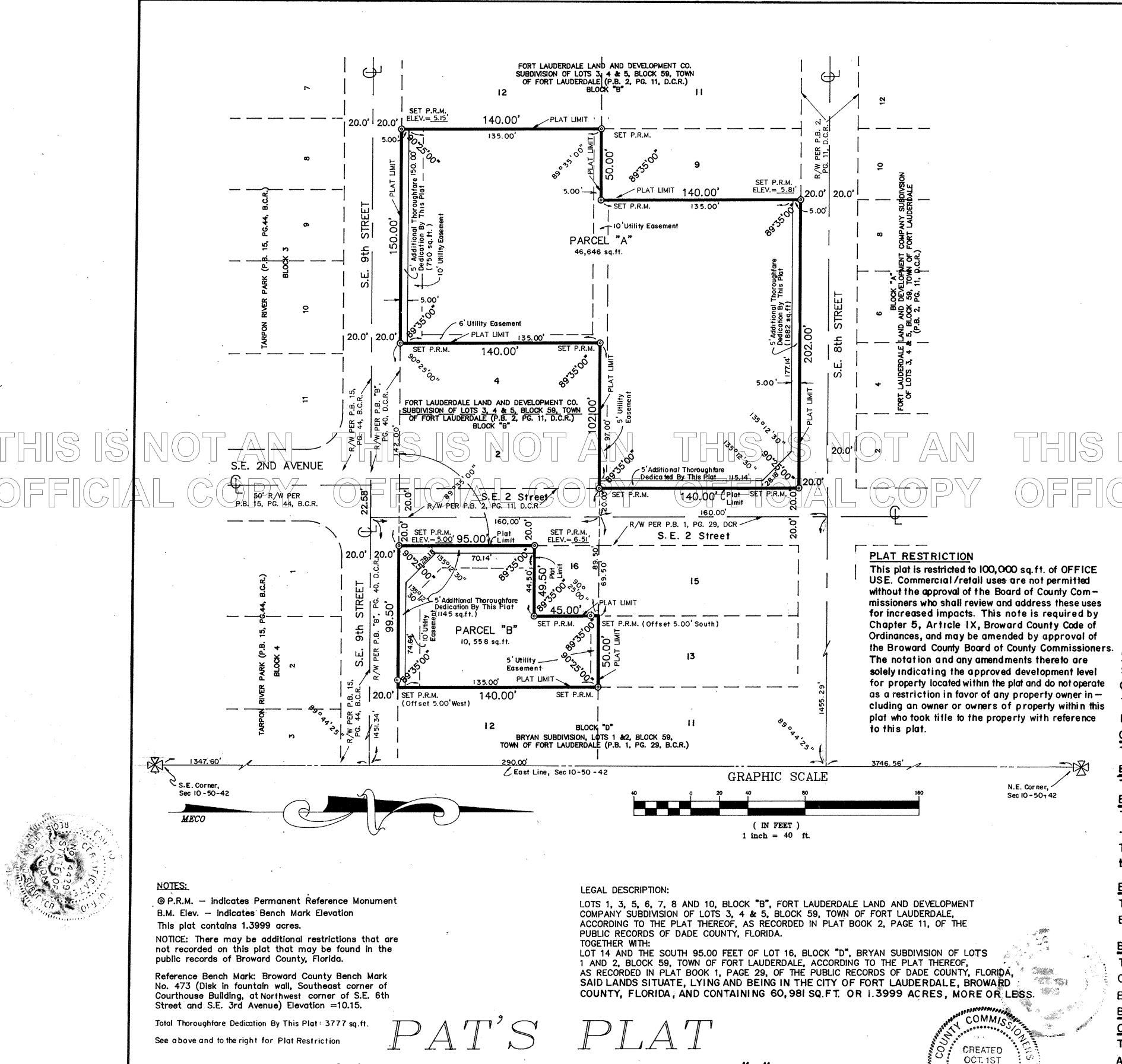
CONSULTING ENGINES INC.

301 EAST ATLANTIC BOULEVARD
POMPANO BEACH, FLORIDA 33060-6643
(954) 788-3400 FAX (954) 788-3500
EMAIL: mail@keith-associates.com LB NO. 6860

Y AND TOPOGRAPHIC SURVE

Exhibit 1
13-0478₁
SHEET 1-19-0478
Page 2-6t 331

PROJECT NUMBER
08310.00



A RESUBDIVISION OF A PORTION OF BLOCK "B", "FORT LAUDERDALE LAND & DEVELOPMENT COMPANY" P.B. 2, P. II, D.C.R., TOGETHER WITH A RESUBDIVISION OF A PORTION OF BLOCK "D" "BRYAN'S SUBDIVISION", P.B. I, P. 29, D.C.R. SECTION 10, TOWNSHIP 50 SOUTH, RANGE 42 EAST, CITY OF FORT LAUDERDALE, BROWARD COUNTY, FLORIDA

December, 1990

PREPARED BY: Mc LAUGHLIN ENGINEERING CO.

400 N.E. 3RD. AVENUE

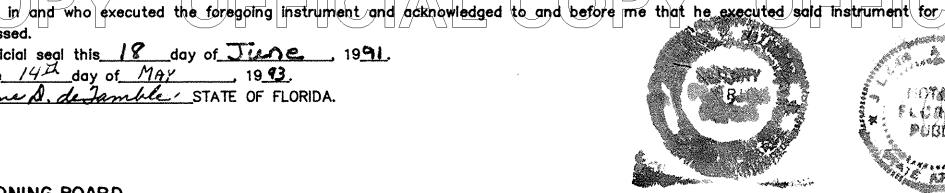
FORT LAUDERDALE



93202966 HAY 13 1 14 PM 133 DEDICATION STATE OF FLORIDA subdivided and platted as shown hereon, said plat to be known as "PAT'S PLAT", a replat. The additional thoroughfare is hereby dedicated to the public for proper purposes. All easements are hereby dedicated to the public for proper purposes. IN WITNESS WHEREOF: I hereunto set my hand in the City of Fort Lauderdale, County of Broward, State of Florida, this INDVIDUAL AND AS ÆEFORE ME personally appeared D. FREDRICO FAZIO a married man and as Trustee, known to me to be STATE OF FLORIDA the individual described in and who executed the foregoing instrument, and acknowledgement to and DEDICATION OF MORTGAGE HOLDER ATLANTIC FEDERAL SAVINGS AND LOAN ASSOCIATION, a Florida Corporation, owner and holder of a mortgage on this property, recorded in O.R. BOOK 6930, PAGE 29, Broward County, Florida, does hereby join in the IN WITNESS WHEREOF: I hereunto set my hand and affix the corporate seal in the City of Fort Lauderdale, County of Broward State of Florida this 18 day of June. 1991. Office Janela Con Devist Witness: Sara d. Letilcock Witness: Non M. Moure Title: VICE ProvidenT

BEFORE ME personally appeared PAMELA A. PERROT being the VICE PRESIDENT of ATLANTIC FEDERAL SAVINGS AND LOAN ASSOCIATION, a Florida Corporation, to me well known to be the individual described

the purposes herein expressed WITNESS: My hand and official seal this 18 day of June 1991 My commission expires the 14th day of MAY, 1943. NOTARY PUBLIC: Julianne A. de Jamble: STATE OF FLORIDA.







CITY PLANNING AND ZONING BOARD THIS IS TO CERTIFY: That the City Planning and Zoning Board of Fort Lauderdale, Florida, has hereby approved and accepted this plat, this 15th day of May, 19 91 . Chairman, this 12th day of Sulf CITY COMMISSION

THIS IS TO CERTIFY: That this plat has been accepted and approved for record by the City Commission of the City of Fort Lauderdale Planta in and by ORDINANCE NO. C-91-35 adopted by said City Commission this 9th day of July 1991 IN WITNESS WHE IT The said City Commission has caused these presents to be attested by its City Clerk and the Corporate seal of said City to be affixed this 25th day of_ By: Kus I Mills CITY CLERK.

CITY ENGINEER'S SIGNATURE

This plat has been approved and accepted for record this 23 day of March, 19 93 By:

BROWARD COUNTY DEPARTMENT OF STRATEGIC PLANNING AND GROWTH MANAGEMENT This plat is approved and accepted for record this 27 day of _______, 19 ??

BROWARD COUNTY PLANNING COUNCIL THIS IS TO CERTIFY: That the Broward County Planning Council approved this plat subject to its compliance with dedication of rights-of-way for trafficways

By: Alan (Foldher Chairperson This plat complies with the approval of the Broward County Planning Council of the above date and is approved and accepted for record this 23rd day of March , 1993 By: Petu M. Poss Administrator or De signee

BROWARD COUNTY ENGINEERING DIVISION This plat has been approved and accepted for record.

Emilio V. Hutuoz Emilio V. Llufrio, County Surveyor; Fla. P.L.S Registration No. 4429

Henry P. Cook, Director of Engineering, Fla. P.E. Reg. No. 12506, Date: 5-6-93

BROWARD COUNTY FINANCE AND ADMINISTRATIVE SERVICES DERVISEMENT - COUNTY RECORDS DIVISION - MINUTES SECTION THIS IS TO CERTIFY: That this plat complies with the provision control of County ATTEST B. JACK OSTERHOLT - COUNTY ADMINISTRATOR Commissioners of Broward County, Floridg, this

Bullet Uhim Chair - County Commission BROWARD COUNTY FINANCE AND ADMINISTRATIVE SERVICES DEPARTMENT-

COUNTY RECORDS DIVISION - RECORDING SECTION

This instrument was filed for record this 13th day of May , and recorded in Plat Book <u>154</u>, Page <u>5</u> ATTEST: B. JACK OSTERHOLT - COUNTY ADMINISTRATOR

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY: That the attached plat, is a true and correct representation of the lands recently surveyed, subdivided and platted under STATE OF FLORIDA COUNTY OF BROWARD SS my responsible direction and supervision, that the survey data shown complies with the applicable requirements of Chapter 177, FLORIDA and further that the PERMANENT REFERENCE MONUMENTS (PRM.'s) were set in accordance with Section 177:091 of STATUTES. said Chapter 177, on this 12 th day of December, 1990. The BENCH MARKS (B.M.'s) shown are referenced to N.G. VERTICAL DATUM and conform to standards for third order work. The survey data conforms to all applicable sections of Chapter 21 HH-6 FLORIDA ADMINISTRATIVE CODE. McLAUGHLIN ENGINEERING CO.

This plat dated at Fort Lauderdale, Florida, this 17th day of December, 1990 BY: 10th

Registered Land Surveyor No. 3356, STATE OF FLORIDA.

Q-7922

_____9/ Page 3 of 33



EXISTING SITE - PANARAMIC @ SE 3rd AVENUE



EXISTING SITE - PANARAMIC @ SE 9th STREET



EXISTING SITE - PANARAMIC @ SE 8th STREET



EXISTING SITE - PANARAMIC @ SE 2nd AVE



5101 N.W. 21ST AVENUE, SUITE 360 FORT LAUDERDALE, FL 33309 T: (954) 332-0184 F: (954) 332-0187

AA0002517

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DESIGNED JP

DRAWN MM/DZ

CHECKED JP

JOSEPH JOHN PASQUALE, JR. AR 0009261

> HARLAN L. KURITZKY AR 0009686

PINNACLE AT TARPON RIVER

805 S.E. 3rd AVE
FT. LAUDERDALE, FLORIDA
PROJECT NO. 1266
DATE: 02/22/13

R E V I S I O N S

EXISTING CONDITIONS
- SITE PHOTOGRAPHS

DRC SUBMITTAL

 $\begin{array}{c} \text{Exhibit 1} \\ \text{13-0478} \\ \text{Page 4 of 33} \end{array}$



ADJACENT SITE - PANARAMIC @ SE 3rd AVENUE





ADJACENT SITE - PANARAMIC @ SE 9th STREET



ADJACENT SITE - PANARAMIC @ SE 8th STREET



ADJACENT SITE - PANARAMIC @ SE 2nd AVE



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DESIGNED JP

DRAWN MM/DZ

CHECKED JP

JOSEPH JOHN PASQUALE, JR. AR 0009261

HARLAN L. KURITZKY AR 0009686

PINNACLE AT TARPON RIVER

805 S.E. 3rd AVE
FT. LAUDERDALE, FLORIDA
PROJECT NO. 1266
DATE: 02/22/13

R E V I S I O N S

EXISTING CONDITIONS
- SITE PHOTOGRAPHS

DRC SUBMITTAL

 $\begin{array}{c} \text{Exhibit 1} \\ \text{13-0478} \\ \text{Page 5 of 33} \end{array}$



CONTEXT IMAGE (VIEW FROM SOUTHEAST)



CONTEXT IMAGE (VIEW FROM NORTHWEST)



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AA0002517

DESIGNED JP

DRAWN MM/DZ

CUECKED JP

CHECKED JP

JOSEPH JOHN PASQUALE, JR.
AR 0009261

HARLAN L. KURITZKY AR 0009686

PINNACLE AT TARPON RIVER

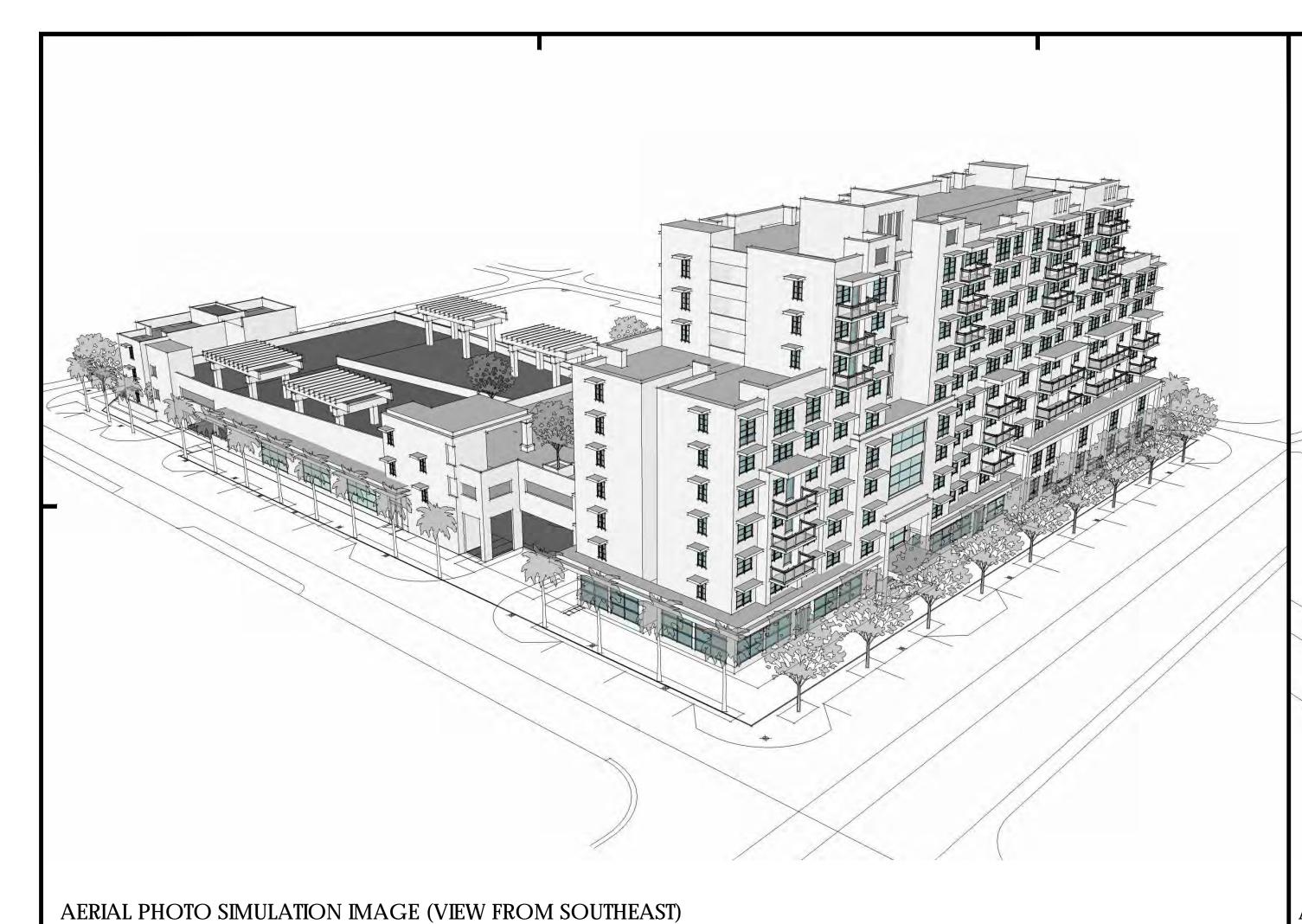
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R E V I S I O N S

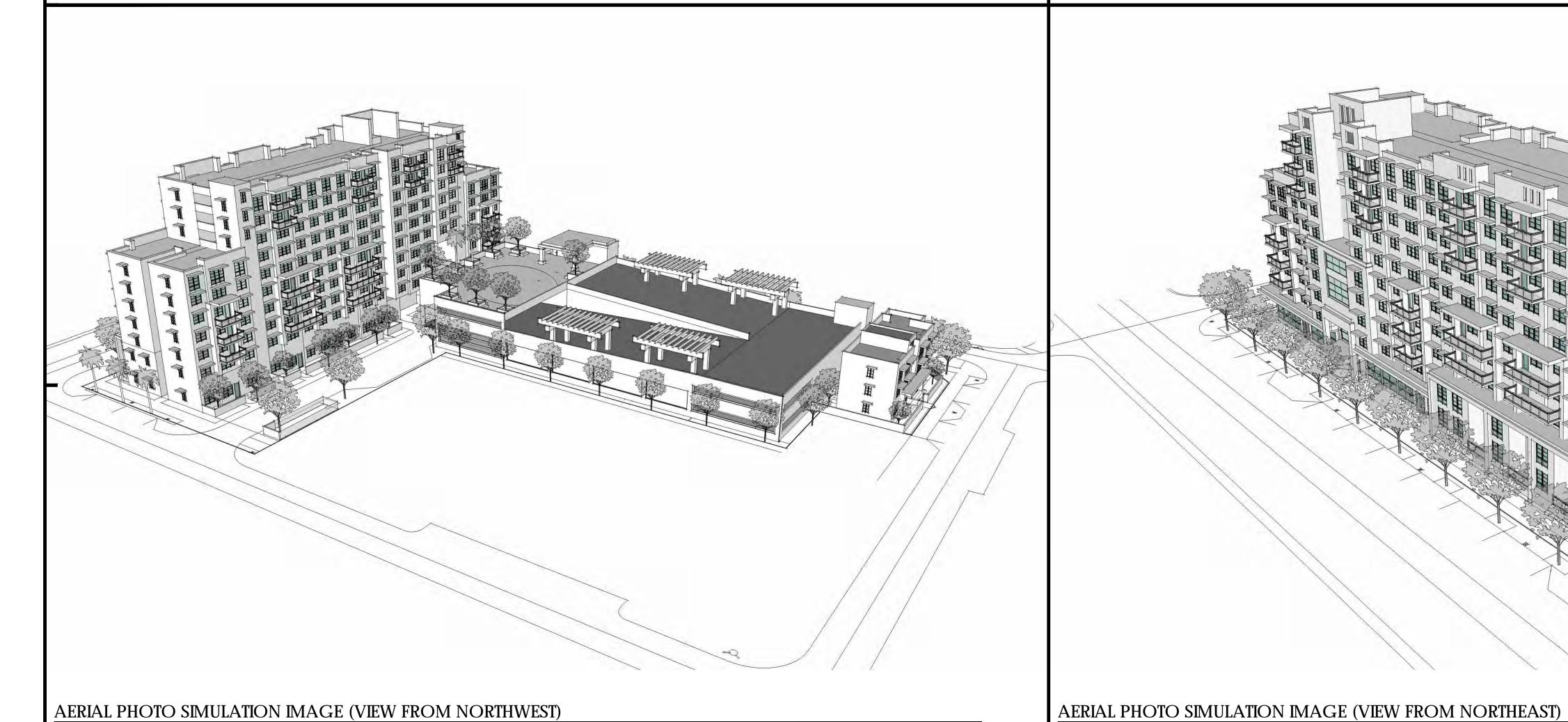
CONTEXT IMAGES

DRC SUBMITTAL

A-3.0 Exhibit 1 13-0478 Page 6 of 33



PINNACLE AT AERIAL PHOTO SIMULATION IMAGE (VIEW FROM SOUTHWEST) TARPON RIVER



AERIAL PHOTO SIMULATION IMAGE

ARCHITECTURE, INC
Urban = Residential = Commercial

5101 N.W. 21ST AVENUE, SUITE 360 FORT LAUDERDALE, FL 33309

T: (954) 332-0184 F: (954) 332-0187

DESIGNED JP

JOSEPH JOHN PASQUALE, JR. AR 0009261

805 S.E. 3rd AVE FT. LAUDERDALE, FLORIDA

R E V I S I O N S

PROJECT NO. <u>1266</u>

DATE: 02/22/13

DRC SUBMITTAL

A-4.0 Exhibit 1 13-0478 Page 7 of 33

THREE STORY PARKING STRUCTURE: MIXED - SEPARATE USES: BUSINESS, GROUP B (FITNESS CENTER) TYPES OF CONSTRUCTION (F.B.C. CHAPTER 6): TEN STORY APARTMENT TOWER: THREE STORY APARTMENT STRUCTURE: THREE STORY PARKING STRUCTURE: TYPE II-A (FULLY SPRINKLERED - NFPA 13 SYSTEM) STRUCTURAL ELEMENTS, EXTERIOR WALLS AND INTERIOR WALLS ARE OF ANY MATERIALS PERMITTED BY THIS CODE. THREE STORY APARTMENT STRUCTURE, TYPE V-A: SECTION 406 MOTOR VEHICLE RELATED OCCUPANCIES 406.3.4. - TOTAL AREA OF OPENINGS PROVIDED EACH TIER = 1,096 SQ. FT. (PROVIDED) SECTION 403 HIGH-RISE BUILDINGS ACCORDANCE WITH SECTION 907.2.13.1. WITH THE FLORIDA FIRE PREVENTION CODE. ACCORDANCE WITH SECTION 909. IN SECTION 403.4.7.2. LOADS SPECIFIED IN SECTION 403.4.8.1. SECTION 439 GROUPS I-1, R-1, R-2, R-3 SECTION 709.

CODE INFORMATION

PROJECT DESCRIPTION: TEN STORY APARTMENT BUILDING TOWER WITH GROUND FLOOR AMENITIES AND OFFICE SPACE; ADJACENT THREE STORY OPEN-AIR PARKING STRUCTURE (FITNESS CENTER ON GROUND FLOOR) AND SEPARATE THREE STORY APARTMENT BUILDING STRUCTURE

APPLICABLE CODES: 2010 FLORIDA BUILDING CODE, 2009 NFPA 101 LIFE SAFETY CODE.

OCCUPANCY CLASSIFICATIONS (F.B.C. CHAPTER 3): TEN STORY APARTMENT TOWER AND THREE STORY APARTMENT STRUCTURE: RESIDENTIAL, GROUP R-2 (APARTMENT HOUSES)

STORAGE, GROUP S-2 (OPEN-AIR PARKING GARAGE)

TYPE I-A (FULLY SPRINKLERED - NFPA 13 SYSTEM)

TYPE V-A (FULLY SPRINKLERED - NFPA 13R SYSTEM)

602.2 TYPES I AND II. TYPES I AND II CONSTRUCTION ARE THOSE TYPES OF CONSTRUCTION IN WHICH THE BUILDING ELEMENTS LISTED IN TABLE 601 ARE OF NONCOMBUSTIBLE MATERIALS, EXCEPT AS PERMITTED IN SECTION 603 AND ELSEWHERE

602.3 TYPE V. TYPE V CONSTRUCTION IS THAT TYPE OF CONSTRUCTION IN WHICH THE

TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)

TEN STORY APARTMENT TOWER, TYPE I-A:			
- PRIMARY STRUCTURAL FRAME:	REQUIRED 3	<u>PROP</u> 2 -	OSED WITH EXCEPT. h (1 HR. REDUCT.)
- BEARING WALLS			,
EXTERIOR:	4	4	
INTERIOR:	4	4	
- NONBEARING WALLS AND PARTITIONS			
EXTERIOR:	2	2	(TABLE 602)

- NONBEARING WALLS AND PARTITIONS		
EXTERIOR:	2	2 (TABLE 602)
INTERIOR:	0	0
- FLOOR CONSTRUCTION AND SECONDARY MEMBERS:	2	1 - WITH EXCEPT (1 Hr. reduc
- ROOF CONSTRUCTION AND SECONDARY MEMBERS:	1	1
- TENANT SEPARATION WALLS	1	1 (SECT. 709)

THREE STORY PARKING STRUCTURE, TYPE II-A:		
TIMEE STORT IT MAIN AS SINCE STORE, TITE II TH	REQUIRED	PROPOSED
- PRIMARY STRUCTURAL FRAME:	1	1
- BEARING WALLS		
EXTERIOR:	1	1
INTERIOR:	1	1
- NONBEARING WALLS AND PARTITIONS		
EXTERIOR:	0	0 (TABLE 60

- FLOOR CONSTRUCTION AND SECONDARY MEMBERS: - ROOF CONSTRUCTION AND SECONDARY MEMBERS:

	REQUIRED	PROPOSED
- PRIMARY STRUCTURAL FRAME:	1	1
- BEARING WALLS		
EXTERIOR:	1	1
INTERIOR:	1	1
- NONBEARING WALLS AND PARTITIONS		
EXTERIOR:	0	0 (TABLE 602)
INTERIOR:	0	0
- FLOOR CONSTRUCTION AND SECONDARY MEMBE	ERS: 1	1 (SECT. 712)
- ROOF CONSTRUCTION AND SECONDARY MEMBER	RS: 1	1
- TENANT SEPARATION WALLS	1	1 (SECT. 709)

SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY (F.B.C. CHAPTER 4):

406.3 OPEN PARKING GARAGES. A STRUCTURE OR PORTION OF A STRUCTURE WITH THE OPENINGS AS DESCRIBED IN SECTION 406.3.3.1 ON TWO OR MORE SIDES THAT IS USED FOR PARKING OR STORAGE OF PRIVATE MOTOR VEHICLES AS DESCRIBED IN SECTION

406.3.3 CONSTRUCTION. OPEN PARKING GARAGES SHALL BE OF TYPE I, II OR IV CONSTRUCTION. OPEN PARKING GARAGES SHALL MEET THE DESIGN REQUIREMENTS OF CHAPTER 16. FOR VEHICLE BARRIER SYSTEMS, SEE SECTION 406.2.4.

406.3.3.1 OPENINGS. FOR NATURAL VENTILATION PURPOSES, THE EXTERIOR SIDE OF THE STRUCTURE SHALL HAVE UNIFORMLY DISTRIBUTED OPENINGS ON TWO OR MORE SIDES. THE AREA OF SUCH OPENINGS IN EXTERIOR WALLS ON A TIER MUST BE AT LEAST 20 PERCENT OF THE TOTAL PERIMETER WALL AREA OF EACH TIER.

- TOTAL PERIMETER WALL AREA EACH TIER = 5.392 SO. FT.- TOTAL AREA OF OPENINGS REQUIRED EACH TIER = 5,392 x .20 = 1,078 SQ. FT. (REQUIRED)

403.4 EMERGENCY SYSTEMS. THE DETECTION, ALARM AND EMERGENCY SYSTEMS OF HIGH-RISE BUILDINGS SHALL COMPLY WITH SECTIONS 403.4.1 THROUGH 403.4.8.

[F] 403.4.1 SMOKE DETECTION. SMOKE DETECTION SHALL BE PROVIDED IN

[F] 403.4.2 FIRE ALARM SYSTEM. A FIRE ALARM SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 907.2.13.

[F] 403.4.3 EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM. AN EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM SMOKE DETECTION SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 907.5.2.2.

[F] 403.4.4 EMERGENCY RESPONDER RADIO COVERAGE. EMERGENCY RESPONDER RADIO COVERAGE SHALL BE PROVIDED IN ACCORDANCE

[F] 403.4.5 FIRE COMMAND. A FIRE COMMAND CENTER COMPLYING WITH SECTION 911 SHALL BE PROVIDED IN A LOCATION APPROVED BY THE FIRE

[F] 403.4.6 SMOKE REMOVAL. SMOKE CONTROL SHALL BE PROVIDED IN

[F] 403.4.7 STANDBY POWER. A STANDBY POWER SYSTEM COMPLYING WITH CHAPTER 27 SHALL BE PROVIDED FOR STANDBY POWER LOADS AS SPECIFIED

[F] 403.4.8 EMERGENCY POWER LOADS. AN EMERGENCY POWER SYSTEM COMPLYING WITH CHAPTER 27 SHALL BE PROVIDED FOR EMERGENCY POWER

439.2 SEPARATION WALLS. WALLS SEPARATING DWELLING UNITS IN THE SAME BUILDING, WALLS SEPARATING SLEEPING UNITS IN THE SAME BUILDING AND WALLS SEPARATING DWELLING OR SLEEPING UNITS FROM OTHER OCCUPANCIES CONTIGUOUS TO THEM IN THE SAME BUILDING SHALL BE CONSTRUCTED AS FIRE PARTITIONS IN ACCORDANCE WITH

439.3 HORIZONTAL SEPARATION. FLOOR ASSEMBLIES SEPARATING DWELLING UNITS IN THE SAME BUILDING, FLOOR ASSEMBLIES SEPARATING SLEEPING UNITS IN THE SAME BUILDING AND FLOOR ASSEMBLIES SEPARATING DWELLING OR SLEEPING UNITS FROM OTHER OCCUPANCIES CONTIGUOUS TO THEM IN THE SAME BUILDING SHALL BE CONSTRUCTED AS HORIZONTAL ASSEMBLIES IN ACCORDANCE WITH SECTION 712.

SITE PLAN/ BUILDING DATA

PROJECT DESCRIPTION: NEW 10-STORY MIXED-USE BUILDING WITH 3-STORY PARKING GARAGE AND 2-STORY TOWNHOMES.

CURRENT USE OF PROPERTY AND INTENSITY: VACANT / PROFESSIONAL OFFICE

A) LAND USE DESIGNATION: D - REGIONAL ACTIVITY CENTER

B) ZONING DESIGNATION: RAC-CC

C) DOWNTOWN MASTER PLAN CHARACTER AREA DESIGNATION: NEAR DOWNTOWN

C.1) WATER/WASTEWATER SERVICE PROVIDER: CITY OF FT. LAUDERDALE

D) IDENTIFICATION OF PRECINCT PLAN: N/A

E) SITE AREA (SQ. FT. AND ACRES): 67,956 S.F. (1.56 ACRES)

BUILDING FOOTPRINT COVERAGE:

MIXED USE FLAT 5,083 S.F. TOWNHOMES 2,918 S.F. PARKING GARAGE 24,858 S.F. FITNESS CENTER 1,954 S.F. LEASING 1,643 S.F. FLEX SPACE 981 S.F. COMMUNITY CENTER 975 S.F. CYBER LOUNGE 678 S.F. COMMON AREAS 43,077 S.F. (63.39% LOT COVERAGE) TOTAL GROSS AREA

MAIN BUILDING TOWER FLOOR PLATE = 14,312 S.F.

RESIDENTIAL DEVELOPMENT: NUMBER OF PROPOSED DWELLING UNITS, TYPE BEDROOM FLAT 27 UNITS 61 UNITS BEDROOM FLAT BEDROOM FLAT 20 UNITS BEDROOM TOWN HOME 3 UNITS BEDROOM TOWN HOME

SITE DENSITY (GROSS AND NET) = 112 UNITS / 1.56 ACRES = 72 UNITS / ACRE

UNITS

112 UNITS

NON-RESIDENTIAL: GROSS FLOOR AREA, AND AREAS OF EACH SPECIFIC USE: PARKING GARAGE 24,858 S.F. 1,954 S.F. FITNESS CENTER LEASING 1,643 S.F. FLEX SPACE 981 S.F. COMMUNITY CENTER 975 S.F. 678 S.F. CYBER LOUNGE TOTAL GROSS AREA 31,089 S.F.

PARKING DATA: LOADING ZONES: DELIVERY/LOADING SPACE REQUIRED NONE

DELIVERY/LOADING SPACE PROVIDED ONE

PARKING REQUIRED: NONE PER U.L.D.R.

PARKING NEEDED: 1,643 S.F. LEASING @ 1 SPACE PER 250 S.F. 7 SPACES 1,954 S.F. FITNESS @ 1 SPACE PER 250 S.F. 8 SPACES 112 RESIDENTIAL UNITS AT 1.2 SPACES PER UNIT 134 SPACES 10% GUEST SPACES 11 SPACES TOTAL PARKING SPACES NEEDED: 160 SPACES

PARKING PROVIDED: PARKING PROVIDED AT GARAGE: PARKING PROVIDED OFF-SITE (PARALLEL): 19 SPACES ADA ACCESSIBLE SPACES PROVIDED: FAIR HOUSING ACCESSIBLE SPACES PROVIDED SPACES TOTAL PARKING PROVIDED:

BUILDING FOOTPRINT AREA AT GRADE (GROSS) = 45,090 S.F. (66.35% SITE COVERAGE)

10 STORIES

= 215,472 S.F.

STORIES

NUMBER OF STORIES: MIXED USE BUILDING PARKING GARAGE

> MULTI-FAMILY BLDG STORIES MIXED USE BUILDING - FLOOR PLATE AREAS: GROUND FLOOR = 14,312 S.F. SECOND FLOOR

= 14,290 S.F. THIRD AND FOURTH FLOORS $(13,395 \times 2 \text{ FLOORS}) = 26,790 \text{ S.f.}$ FIFTH FLOOR = 14,360 S.F. SIXTH AND SEVENTH FLOORS (14,285 X 2 FLOORS) = 28,570 S.F. EIGHTH THRU TENTH FLOORS (10,286 X 3 FLOORS) = 30,858 S.F.

PARKING GARAGE - FLOOR PLATE AREAS: ALL FLOORS (GROUND FLOOR/ SECOND FLOOR/ THIRD FLOOR) 26,812 X 3 (FLOORS) = 80,436 S.F. MULTI-FAMILY BUILDING - FLOOR PLATE AREAS: ALL FLOORS (GROUND FLOOR/ SECOND FLOOR/ THIRD FLOOR)

FLOOR AREA RATIO (F.A.R.):

SIDE YARD SETBACK PROVIDED:

1,952 X 3 (FLOORS)

TOTAL FLOOR AREA

215,472 S.F. / 67,956 S.F. = 3.6 (F.A.R.)

SIDE YARD SETBACK (WEST) REQUIRED: N/A (0'-0")

6I = 48 = B; < 9 = < H1 -- , ff%5" HC HC DC : FC C : 897? REFER TO SHEETS A4.0 & A4.1 FOR ADDITIONAL HEIGHTS AND STEP BACKS

OTHER INFORMATION: SETBACKS (REQUIRED VS. PROVIDED) FRONT SETBACK (EAST) REQUIRED: 50'-0" FROM CENTERLINE OF ROADWAY FRONT SETBACK PROVIDED: 50'-0" (SEE SITE PLAN.) 35'-0" FROM CENTERLINE OF ROADWAY SIDE SETBACK (NORTH) REQUIRED: SIDE SETBACK 35'-0" (SEE SITE PLAN.) PROVIDED: SIDE SETBACK (SOUTH) REQUIRED: 35'-0" FROM CENTERLINE OF ROADWAY SIDE SETBACK PROVIDED: 35'-0" (SEE SITE PLAN.) REAR SETBACK (WEST) REQUIRED: 35'-0" FROM CENTERLINE OF ROADWAY REAR SETBACK PROVIDED: 36'-0" (SEE SITE PLAN.) SIDE YARD SETBACK (NORTH) REQUIRED: N/A (0'-0")

SIDE YARD PROVIDED: 5'-2" IMPERVIOUS AREA (BUILDING, PAVEMENT, SIDEWALKS): NO LIMITATIONS PER ULDR REQUIRED IMPERVIOUS: PROVIDED IMPERVIOUS = 58,761 S.F.

5'-2"

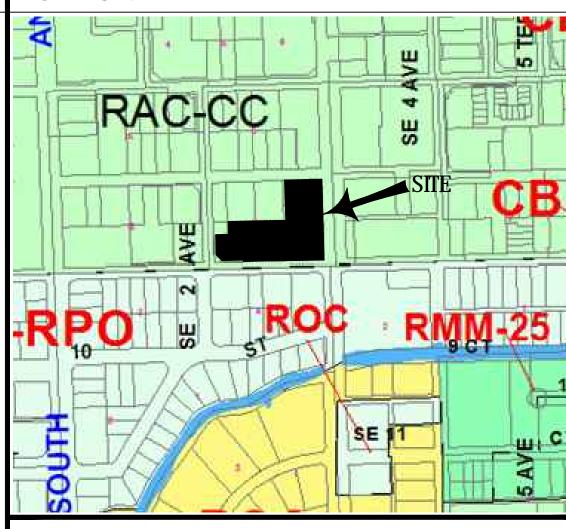
VEHICULAR USE AREA (V.U.A.) AS DEFINED BY SEC. 47-58.2, IN SQ. FT.: REQUIRED V.U.A.: NO LIMITATIONS PER ULDR PROVIDED V.U.A. = 5,089 S.F.

REQUIRED OPEN SPACE (IN SQ. FT.): NO LIMITATIONS PER ULDR PROVIDED OPEN SPACE = 13,818 S.F. (SIDEWALKS, PATIOS, ETC.)

REQUIRED LANDSCAPE AREA (IN SQ. FT.): NO LIMITATIONS PER ULDR LANDSCAPE AREA PROVIDED = 9,195 S.F.

SEE CIVIL DRAWINGS FOR ALL CATCH BASINS, DRAINAGE CONTROL DEVICES AND TRAFFIC CONTROL SIGNAGE.

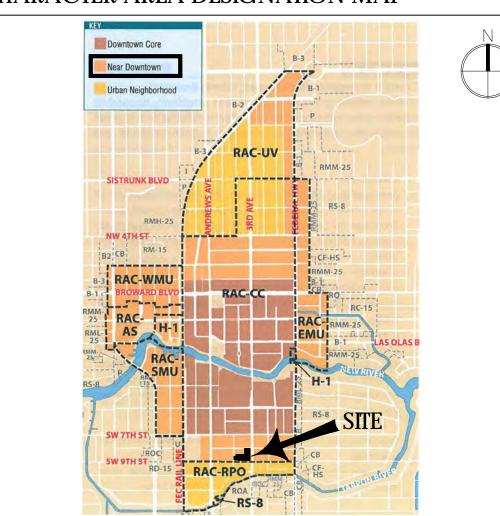




LAND USE MAP



CHARACTER AREA DESIGNATION MAP



LEGAL DESCRIPTION:

PARCEL "B", PAT'S PLACE, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 154, PAGE 5 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA

TOGETHER WITH:

LOTS 1 AND 2, LESS THE EAST 20.0 FEET AND ALL OF LOTS 3, 4, 5, 6, 8, 10 AND 12 BLOCK "D", BRYAN'S SUBDIVISION OF LOTS 1 AND 2, IN BLOCK 59, TOWN OF FORT LAUDERDALE, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 1, PAGE 29 OF THE PUBLIC RECORDS OF DADE COUNTY,

SAID LANDS SITUATE, LYING AND BEING IN THE CITY OF FORT LAUDERDALE, BROWARD COUNTY, FLORIDA AND CONTAINING 67,956 SQUARE FEET OR 1.56 ACRES MORE OR LESS.

PASQUALE KURITZKY ARCHITECTURE, INC Urban = Residential = Commercial

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F: (954) 332-0187 AA0002517

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DESIGNED ___JP MM/DZDRAWN CHECKED __JP

JOSEPH JOHN PASQUALE, JR.

HARLAN L. KURITZKY

PINNACLE AT TARPON RIVER

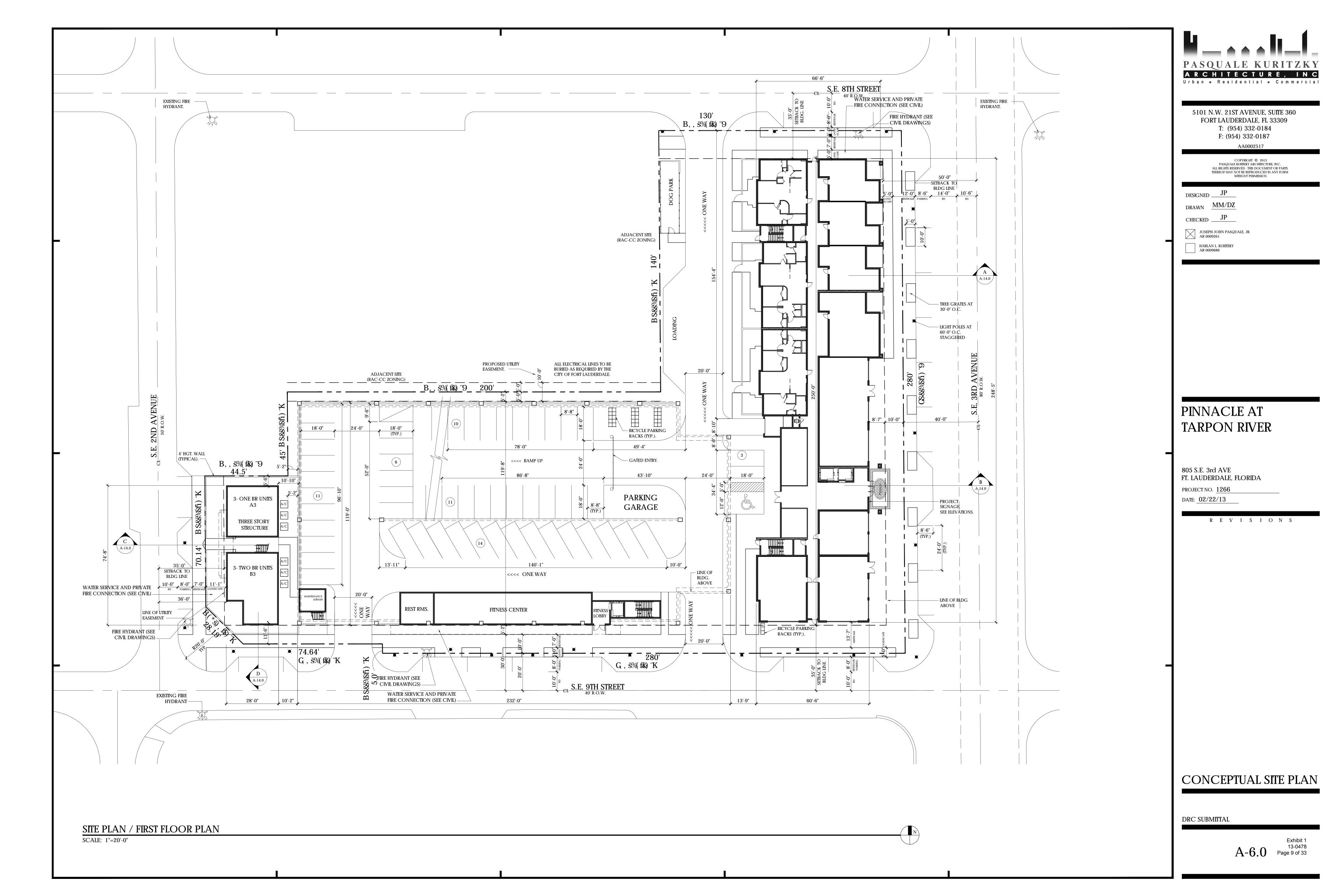
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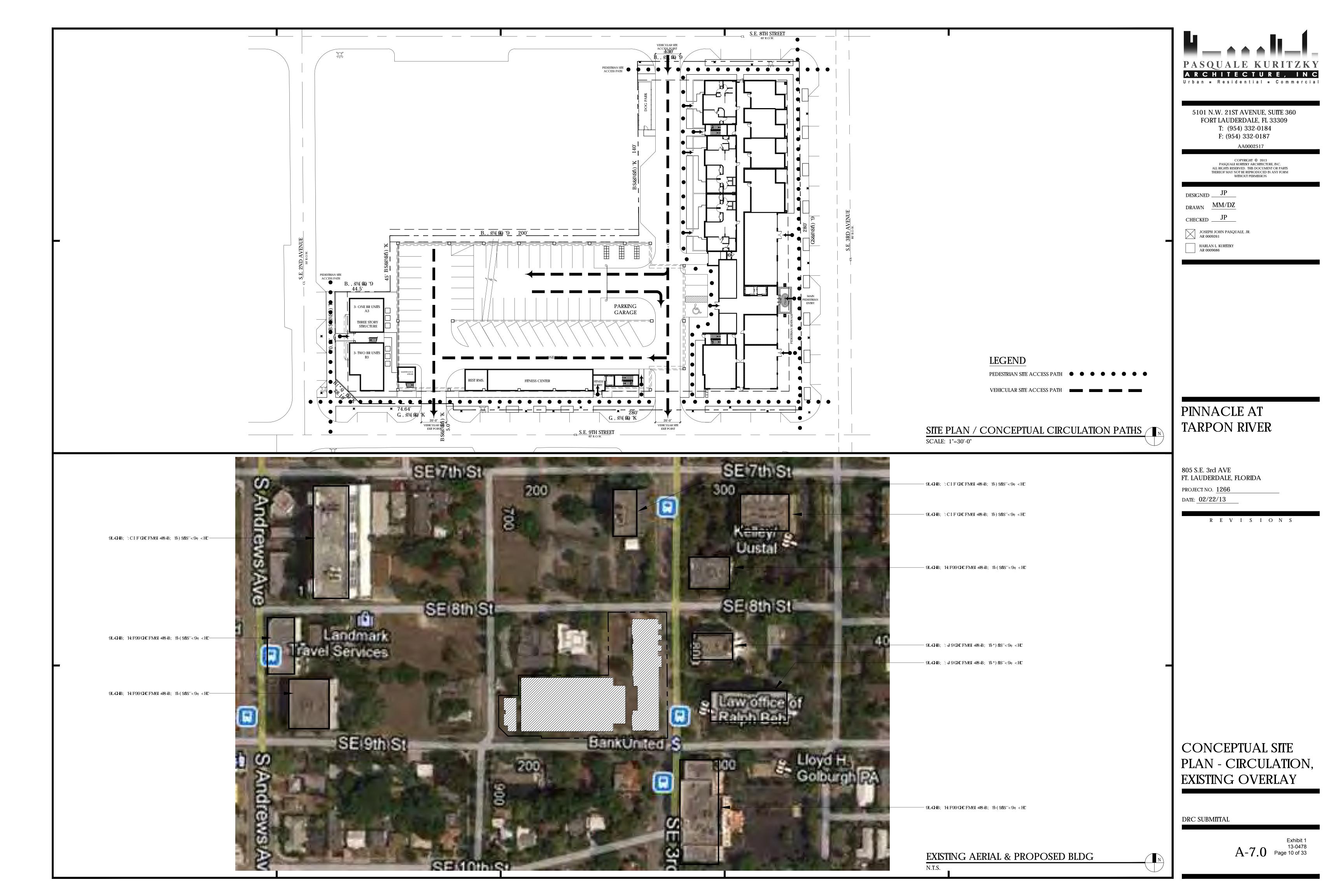
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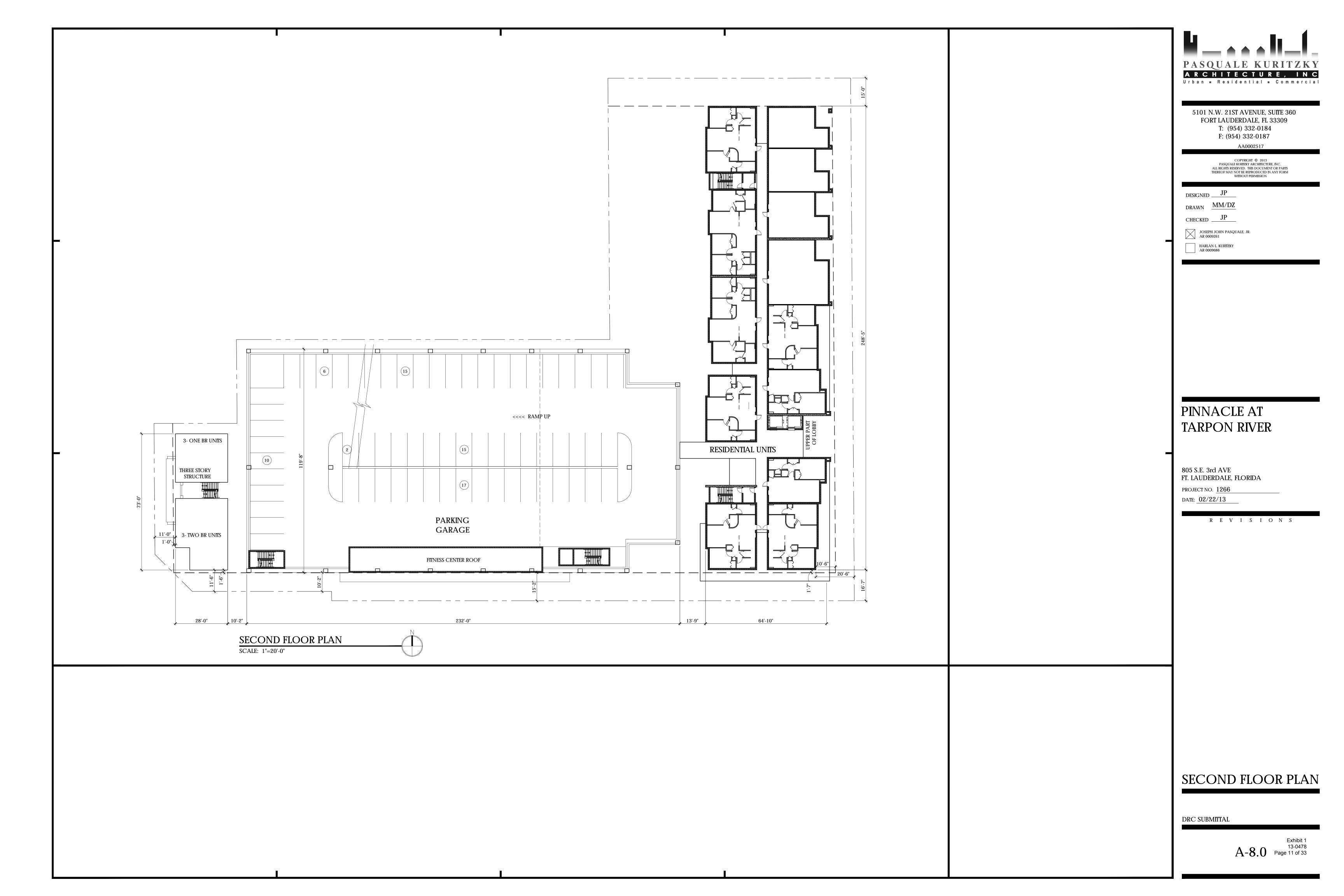
R E V I S I O N S

ZONING/LAND-USE MAPS, SITE DATA, **CODE INFORMATION**

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TARPON RIVER

R E V I S I O N S

 $\begin{array}{c} \text{Exhibit 1} \\ \text{A-9.0} \end{array}$ Page 12 of 33



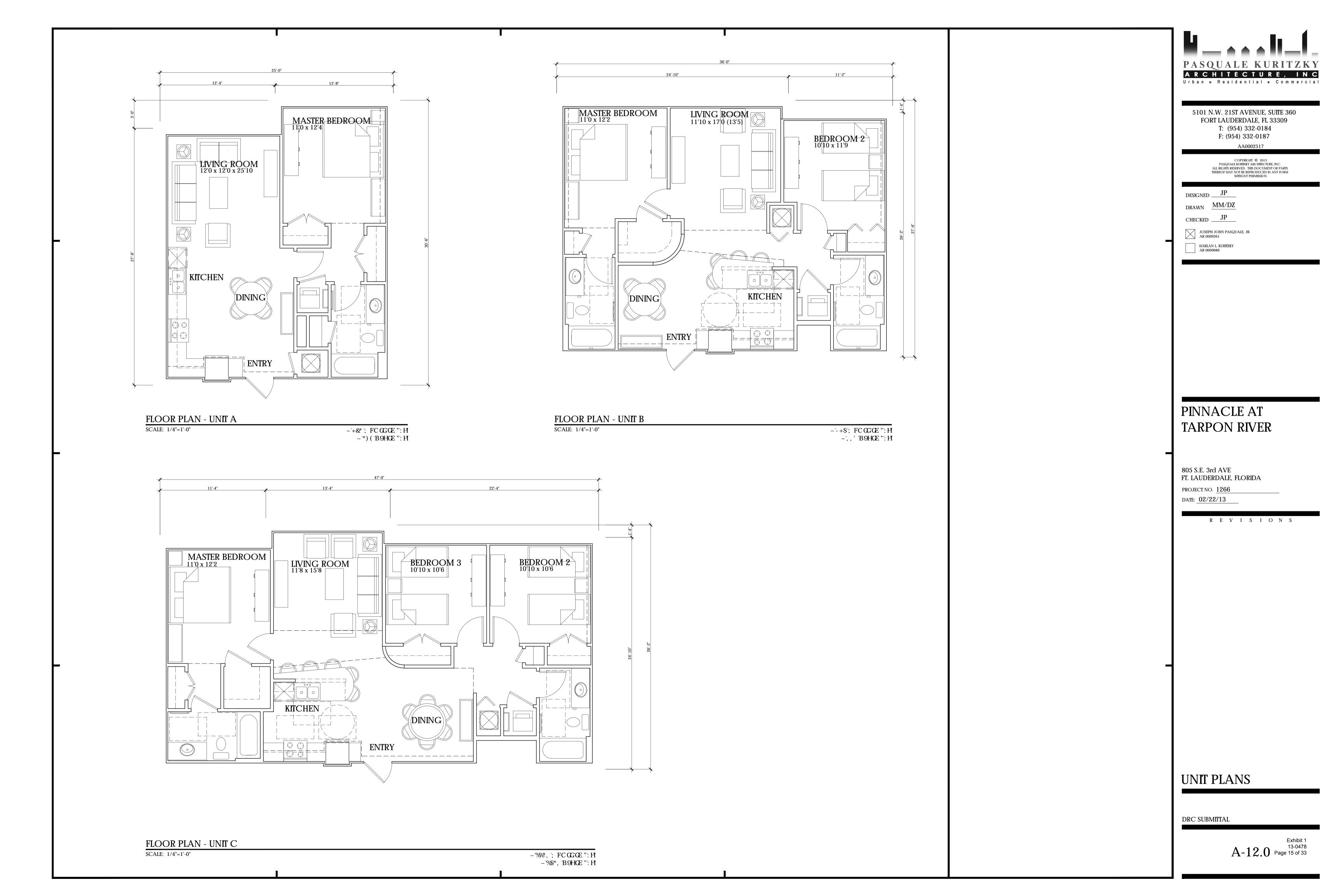
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FLOOR PLANS

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3C

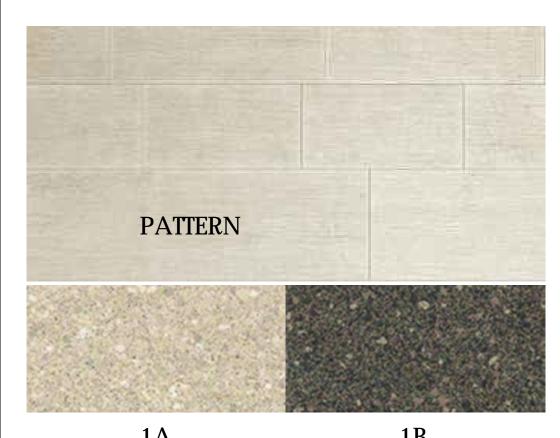
4B

1A 1B

1A 1B 5B 5A

SOUTH ELEVATION

SCALE: 1"=20'-0"



BUILDING BASE MATERIAL #1

N.T.S. CERAMIC OR STONE

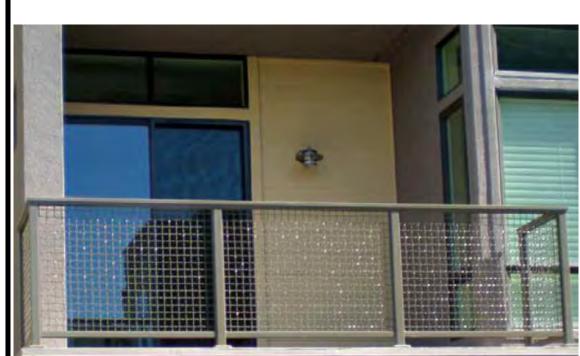
TOWNHOUSE WALL MATERIAL #2

S. RANDOM PLANK - CERAMIC OR STONE

COLOR LEGEND					
COLORS BASED ON BEHR PAINT					
I.D.	COLOR NUMBER	COLOR NAME	LOCATION	SAMPLE	
3A	ECC-12-2	MEADOW GLEN	WALLS - BODY #1		
3B	ECC-24-2	EASTERN WIND	WALLS - BODY #2		
3C	ECC-23-1	GOLDEN HAYSTACK	WALLS - BODY #3		



STUCCO FINISH AND COLORS #3



CONCEPT BALCONY RAILING #4A

N.T.S. STAINLESS STEEL



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DESIGNED JP

DRAWN MM/DZ

CHECKED JP

JOSEPH JOHN PASQUALE, JR. AR 0009261

HARLAN L. KURITZKY

PINNACLE AT TARPON RIVER

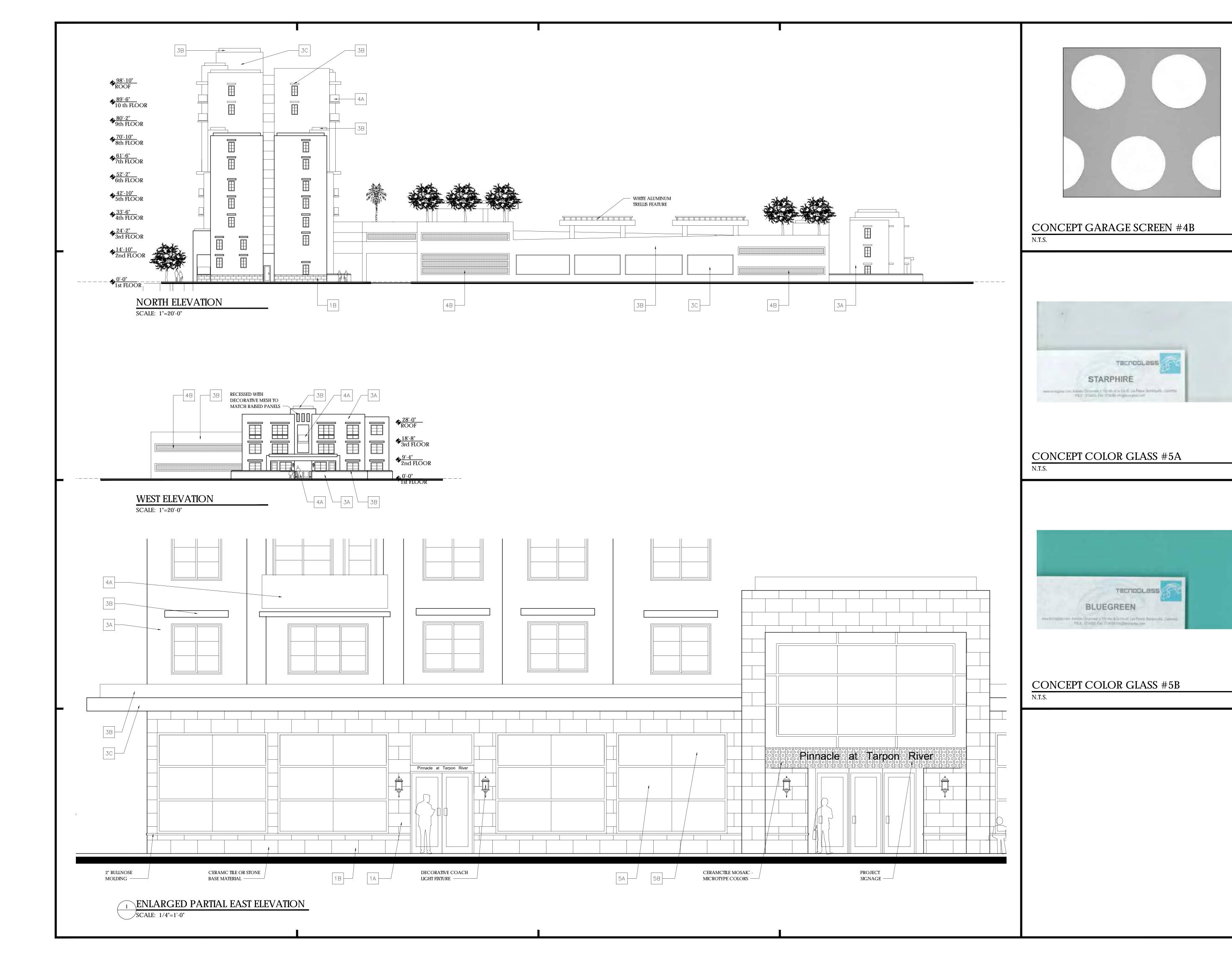
805 S.E. 3rd AVE
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PROJECT NO. 1266
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R E V I S I O N S

ELEVATIONS / COLOR SCHEME / MATERIALS

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A-13.0 Exhibit 1 13-0478 Page 16 of 33





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HARLAN L. KURITZKY AR 0009686

PINNACLE AT TARPON RIVER

805 S.E. 3rd AVE Ft. Lauderdale, Florida

PROJECT NO. <u>1266</u>

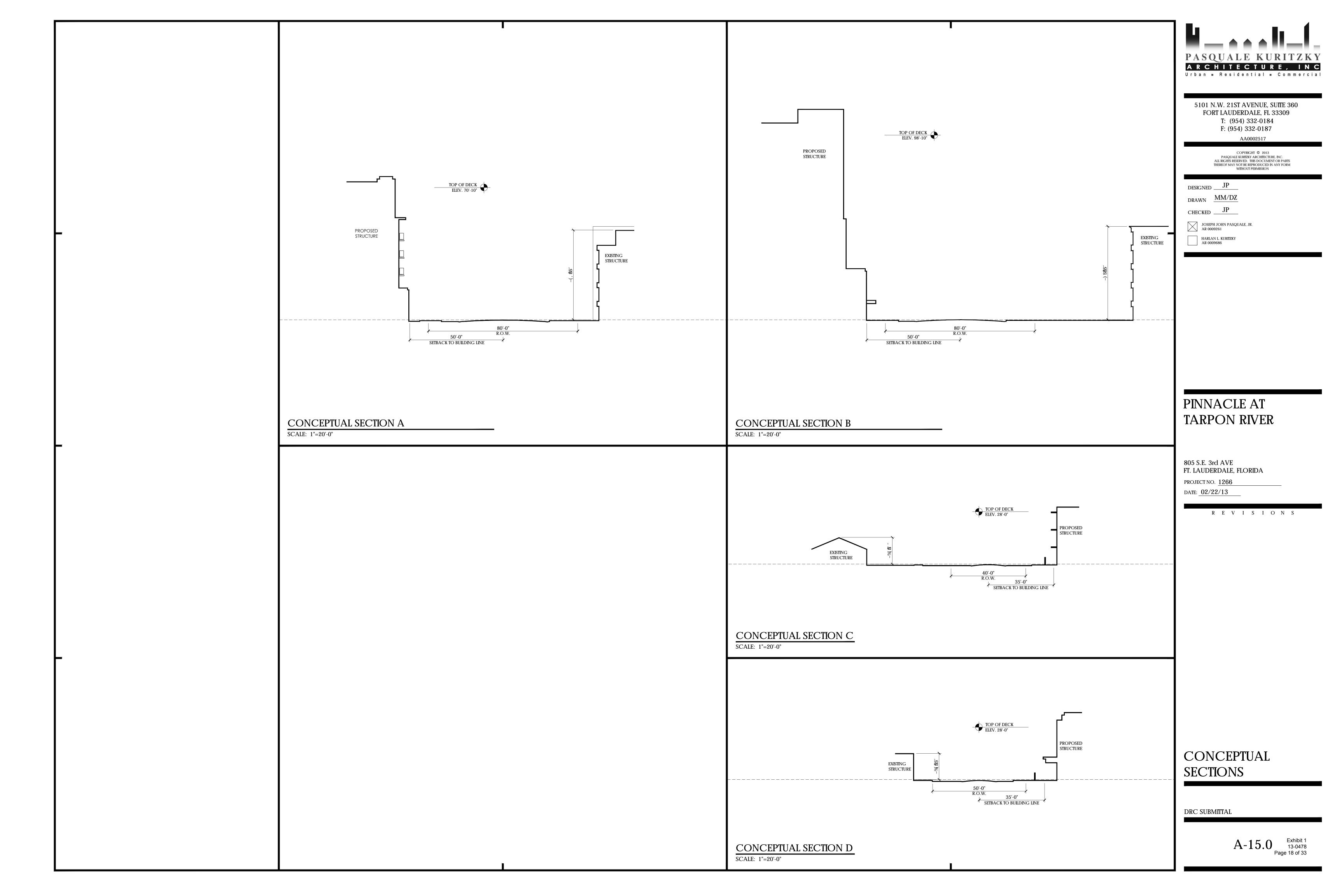
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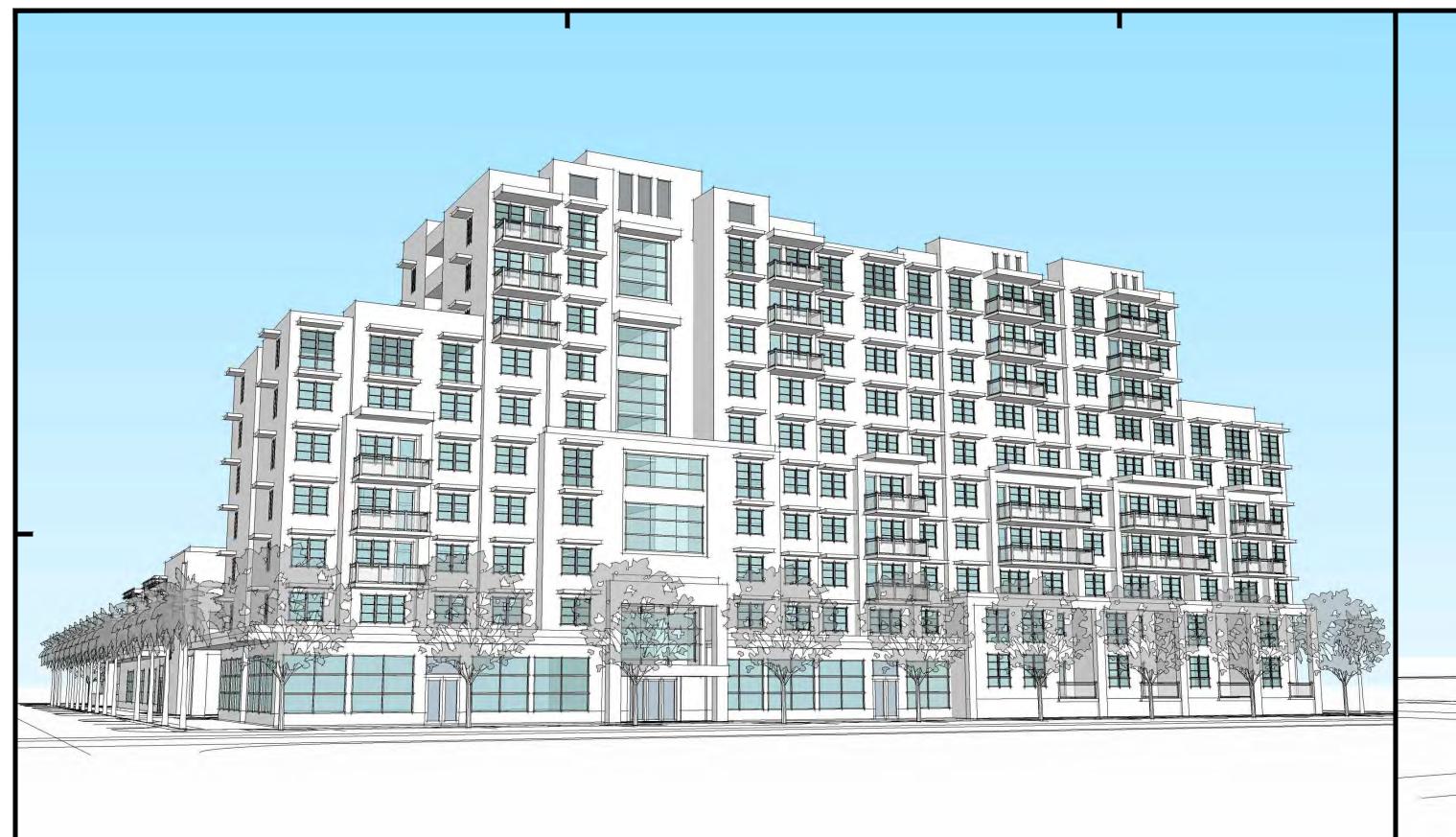
R E V I S I O N S

ELEVATIONS / COLOR SCHEME / MATERIALS

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 $A\text{-}14.0 \begin{array}{c} \text{Exhibit 1} \\ \text{13-0478} \\ \text{Page 17 of 33} \end{array}$







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PERSPECTIVE SKETCH (VIEW FROM SOUTHEAST)

PERSPECTIVE SKETCH (VIEW FROM SOUTHWEST)



PERSPECTIVE SKETCH (VIEW FROM NORTHWEST)

PERSPECTIVE SKETCH (VIEW FROM NORTHEAST)

PINNACLE AT TARPON RIVER

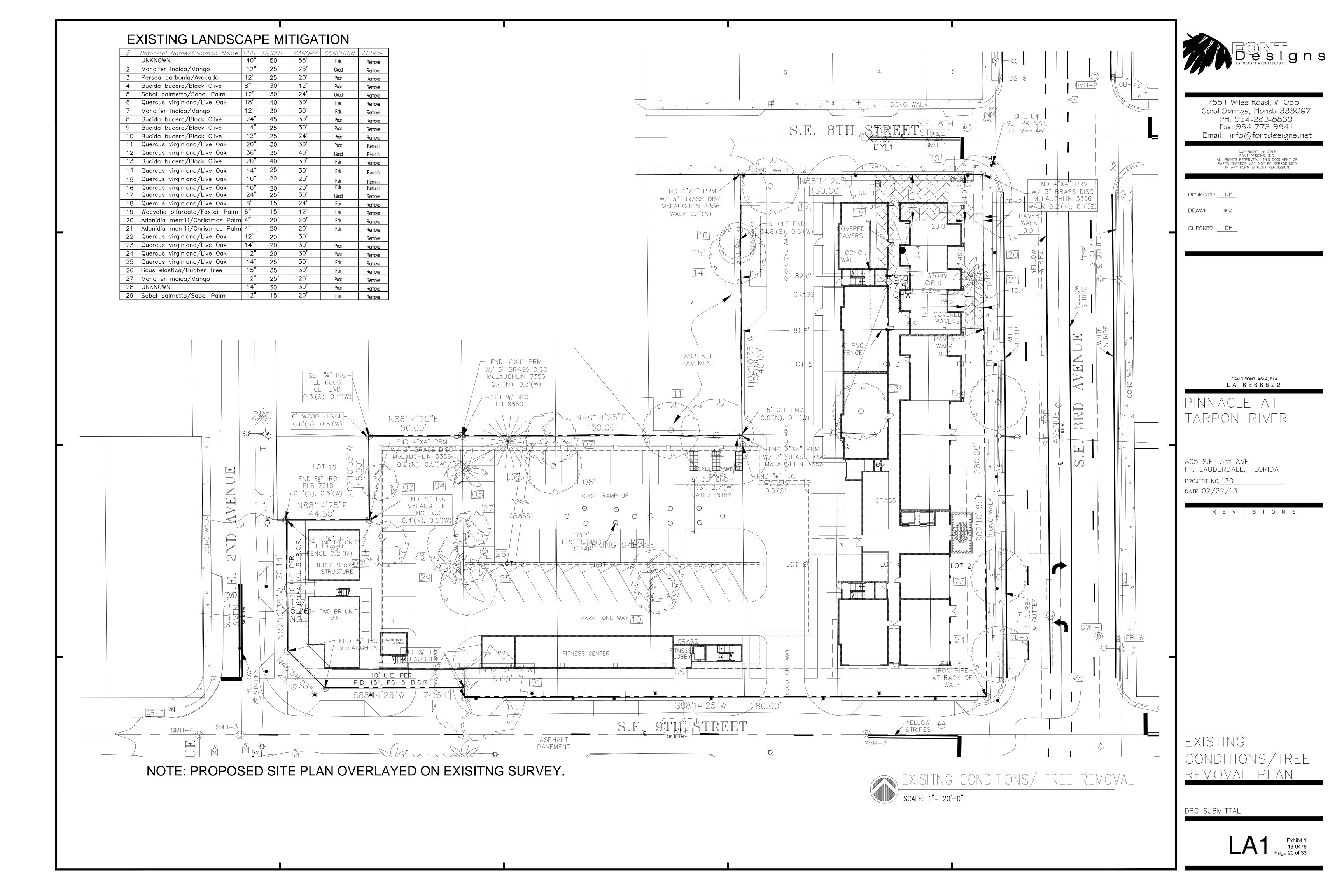
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R E V I S I O N S

PERSPECTIVE SKETCH

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LANDSCAPE PLAN DATA

Project Description:

New 10-Story Mixed-Use building with 3 story parking garage and 2 story

- Zoning Designation : RAC-CC
- Site Area (Sq. Ft. and Acres): 67,956 sq.ft. (1.56 Acres)
- VUA : N/A
- VUA Landscape Area: N/A
- Perimeter Landscape Area: (Designed as per Chapter 4 Design Guidelines of the Downtown Master Plan)-

Street Trees along: S.E. 3rd Ave. = 8 Shade Trees at 30' O.C. S.E. 9th St. = 15 Palm Trees at 15' on Avg.S.E. 8th St. = 4 Palm Trees at 15' on Avg.

- Interior Landscape: Required = 30sq.ft./Acre (30x1.56=47sq.ft.) Provided = 3300sq.ft.
- Total Trees(in addition to R.O.W./street trees): Required = N/A No Min. as per Chapter 4

Provided = 19 Shade Trees 35 Non-shade Trees 43 Palm Trees 8 Flowering trees

69% Native (Trees & Palms) • Buffer yard Trees: Required = None required between similar zoning designations

Provided = 9 Palms 2 Trees

A continuous hedge row along P.L. • Total Shrubs: Required = N/A No Min. as per Chapter 4 Provided = 1195

42% Native

PLANT SCHEDULE

BOTANICAL NAME / COMMON NAME Cassia surattensis / Cassia CONT FG, 8`-10` OA, 2"DBH min. 8`-10` OA \$ 1 1/2" DBH min., 7 Ligustrum japonicum / Japanese Privet 3 Senna polyphylla / Desert Cassia 25 gal CONT F.G. 10` G.W. matched BOTANICAL NAME / COMMON NAME Roystonea elata / Florida Royal Palm F.G. 8`-10` Staggered heights Sabal palmetto / Palmetto Thrinax radiata / Florida Thatch Palm 25 gal CONT IG`O.A., 4"DBH min. F.G. 16` x 8`spread min. Bursera simaruba / Gumbo Limbo 12` O.A. \$ 2" DBH min. 6 Chrysophyllum oliviforme / Satinleaf 20 Conocarpus erectus sericeus / Silver Buttonwood F.G., 8`-10` O.A., Multi

16` O.A., 4"DBH min. Quercus virginiana / Southern Live Oak BOTANICAL NAME / COMMON NAME Veitchia montgomeryana / Montgomery Palm 14` O.A., 3"DBH min. BOTANICAL NAME / COMMON NAME Crinum augustum `Splendens` / Crinum Lily 394 Ficus microcarpa `Green Island` / Green Island Ficus 3G, 18" min.

217 Philodendron x `Xanadu` / Philodendron Conocarpus erectus sericeus / Silver Buttonwood #7, 30"min.

60 Hamelia patens / Fire Bush 222 Ilex vomitoria `Schellings Dwarf` / Dwarf Yaupon Holly 3G, 18" min.

5 Ilex cassine / Dahoon Holly

55 2,589 sf

GROUND COVERS CODE QTY BOTANICAL NAME / COMMON NAME Neomarica longifolia / Walking Iris Nephrolepis exaltata / Sword Fern RHO 360

12` O.A. \$ 2" DBH min.

CONT #3 or #7, must be 24" min. 3 gal@ 18" oc 3 gal@ 18" oc Rhoeo spathacea `Stripe Me Pink` / Stripe Me Pink Boatlily | I gal@ 12" oc Stenotaphrum secundatum / St. Augustine Grass



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DRAWN RM

CHECKED DF

FM

SCALE: 1"= 20'-0"

DAVID FONT, ASLA, RLA LA 6666822

PINNACLE AT TARPON RIVER

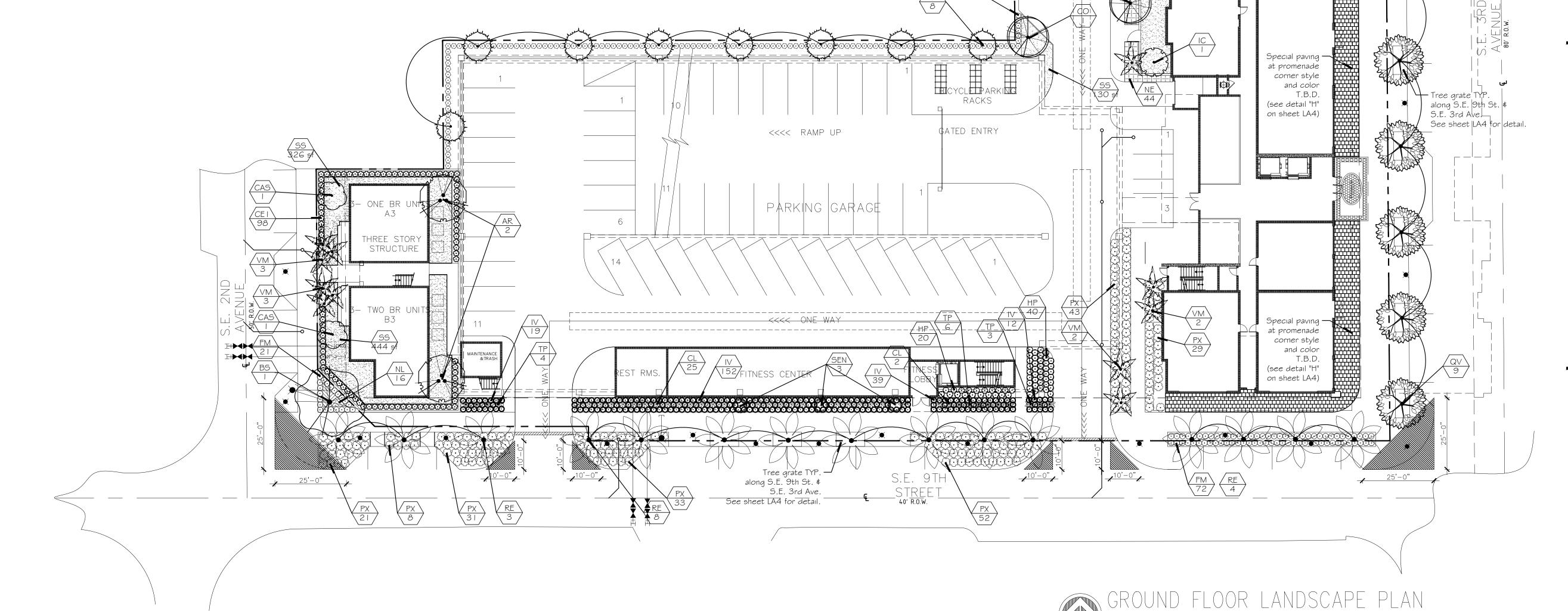
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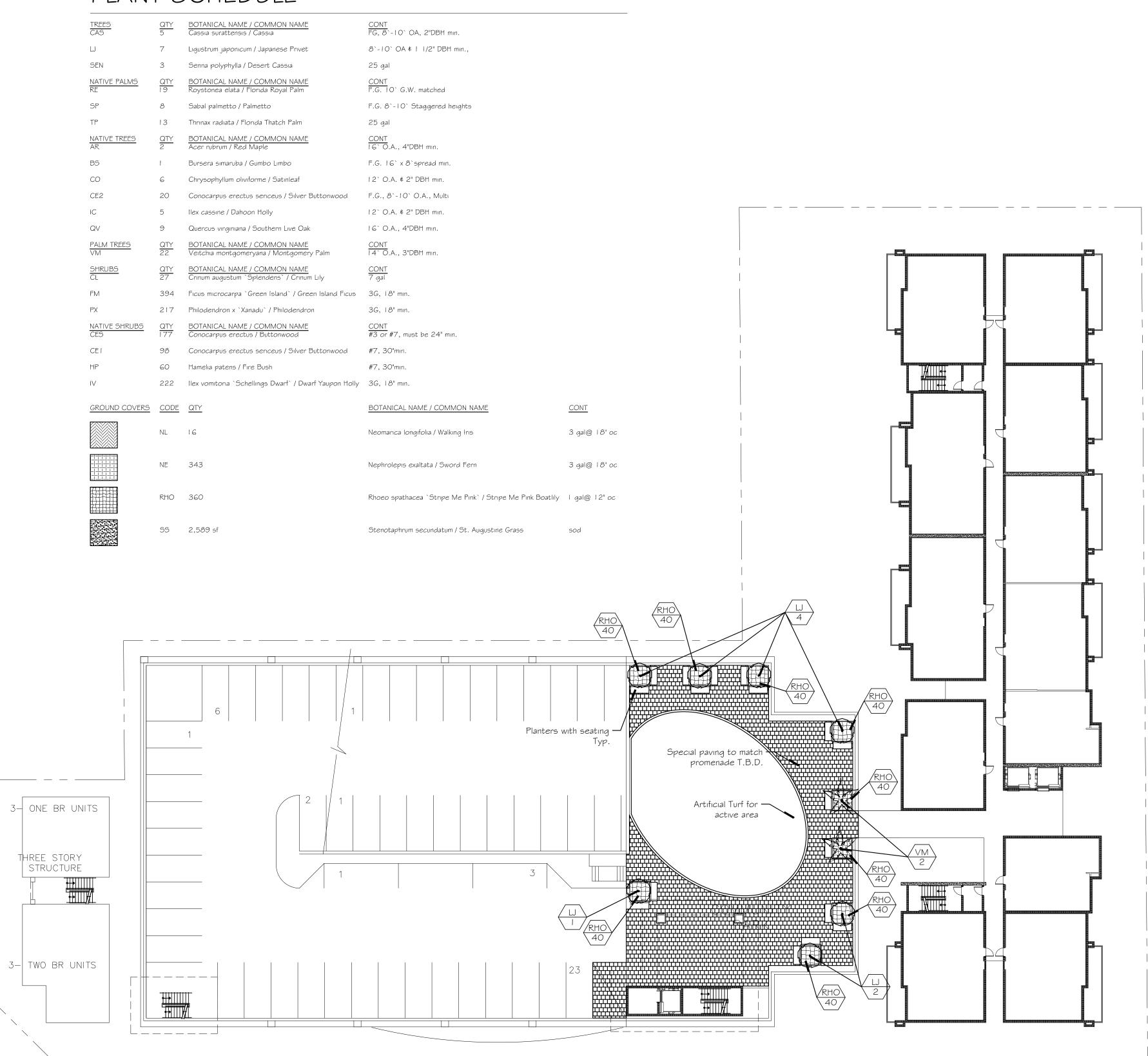
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GROUND FLOOR LANDSCAPE

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PLANT SCHEDULE







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PINNACLE AT TARPON RIVER

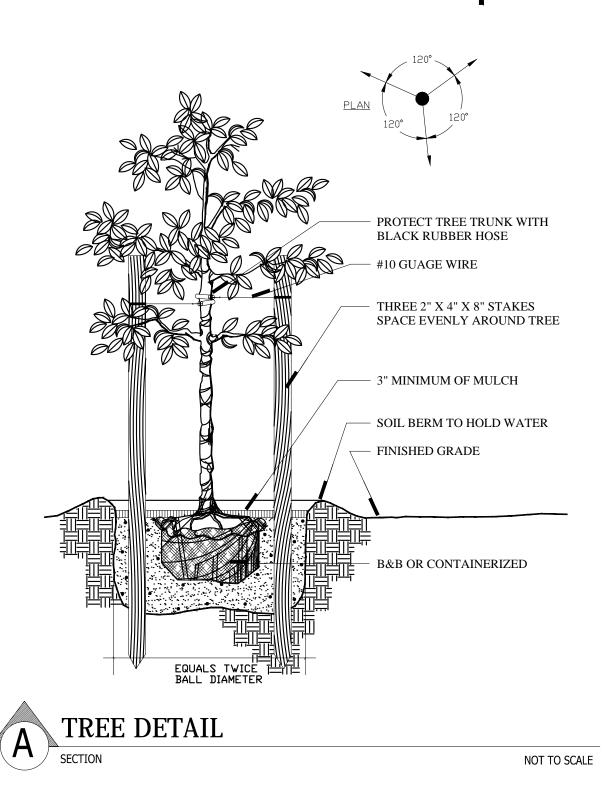
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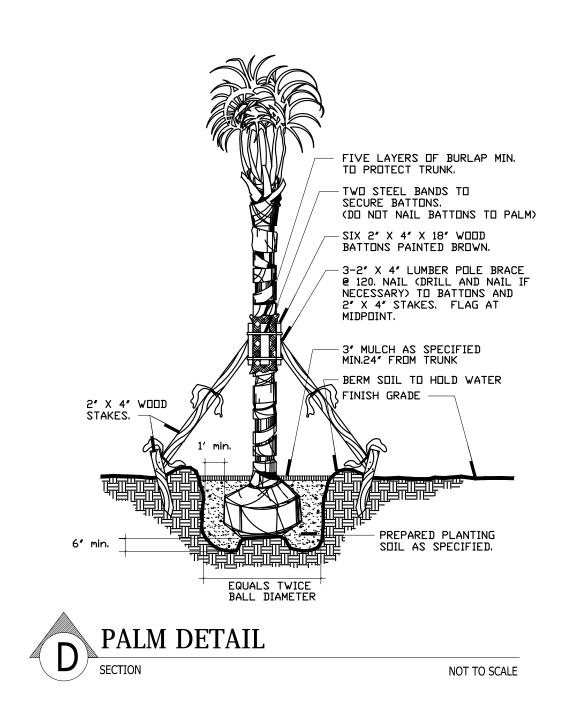
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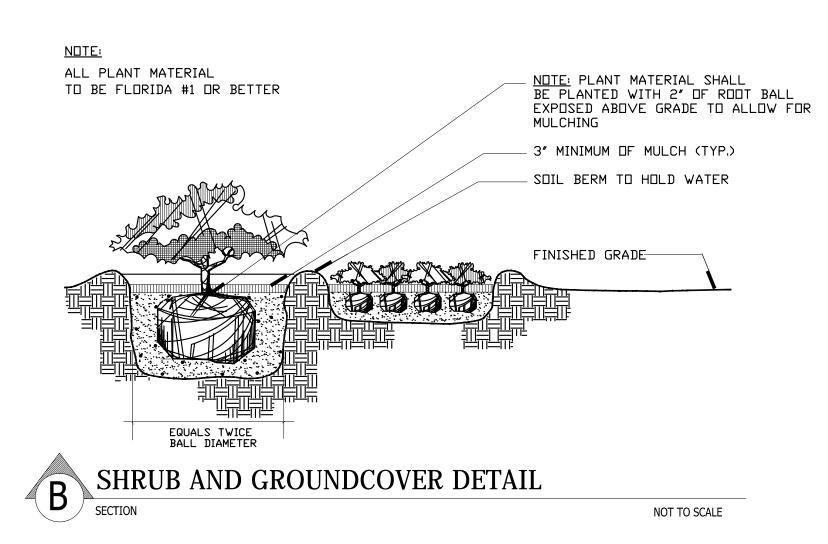
THIRD FLOOR LANDSCAPE PLAN

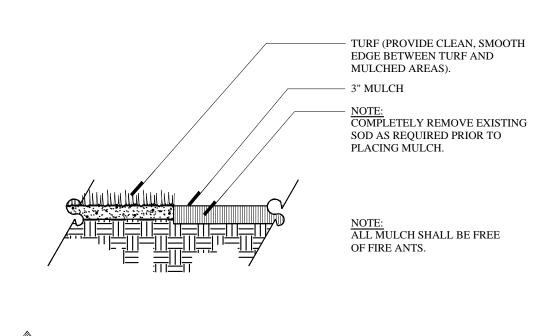
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13-0478
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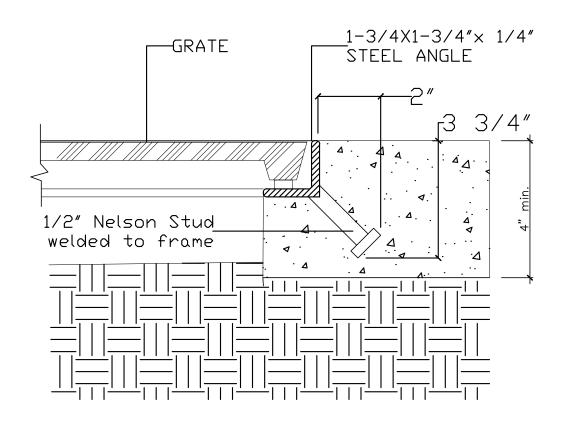




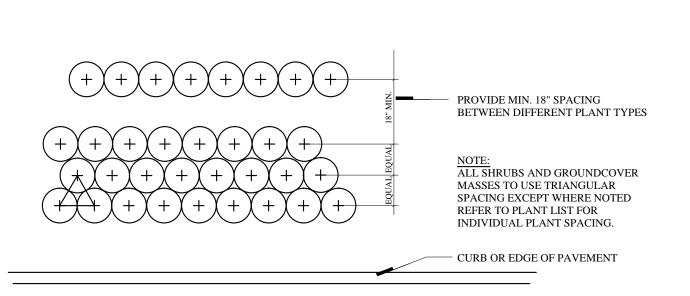




NOT TO SCALE



TURF/MULCH DETAIL



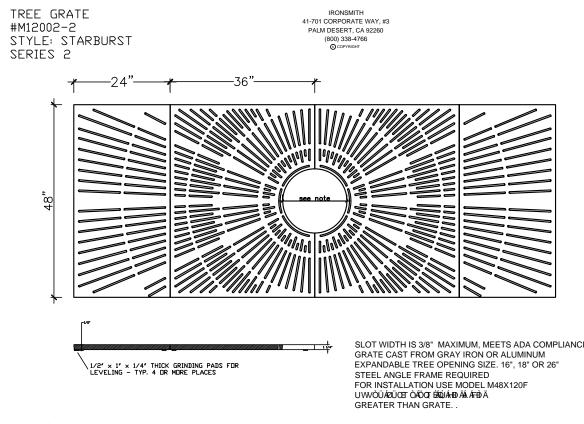
SHRUB/GROUNDCOVER SPACING DETAIL



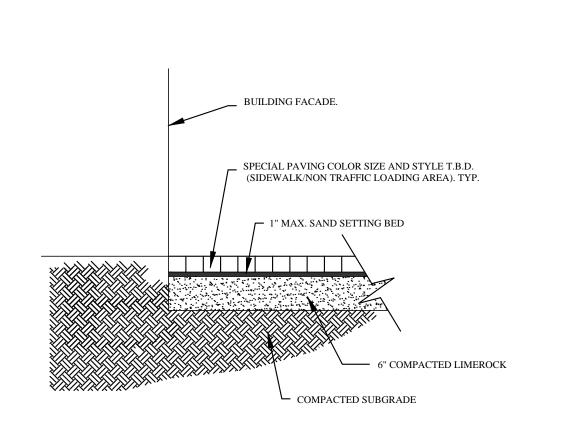


LANDSCAPE NOTES

- I. PLANT MATERIAL SHALL CONFORM TO THE GRADES AND STANDARDS FOR FLORIDA NO. I OR BETTER AS DESCRIBED IN "GRADES AND STANDARDS FOR NURSERY PLANTS" (LATEST EDITION) BY THE FLORIDA DEPARTMENT OF AGRICULTURE, CONSUMER SERVICES DIVISION.
- 2. TREES SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL ARBORIST ASSOCIATION.
- 3. ALL TREES SHALL BE INSTALLED IN ACCORDANCE WITH THE MINIMUM SIZES SHOWN
- 4. TOPSOIL SHALL BE CLEAN AND FREE OF CONSTRUCTION DEBRIS, WEEDS, ROCKS NOXIOUS PESTS AND DISEASES. IF NECESSARY, AMMEND TOPSOIL WITH HORTICULTURALLY ACCEPTABLE ORGANIC MATERIAL.
- 5. PLANTING PITS: ALL TREES AND SHRUBS SHALL BE PLANTED IN A PLANTING SOIL CONSISTING OF A MIXTURE OF 50% MULCH AND 50% CLEAN, BROWN SAND. PLANTNG HOLES WILL BE TWICE THE SIZE OF THE ROOT BALL OF THE TREE OR SHRUB BEING PLANTED.
- 6. ALL TREES IN PLANTING PITTS ALONG SE 3RD AVENUE ROW MUST INCORPORATE STRUCTURAL SOIL IN LIEU OF MULCH.
- 7. MULCHING: ALL EXPOSED SOIL AREAS IN PLANTING BEDS, INCLUDING HEDGE ROWS, SHALL BE KEPT WEED FREE AND MULCHED TO A MINIMUM THREE (3) INCH DEPTH, EXCEPT THAT NO MULCH SHALL BE REQUIRED IN ANNUAL BEDS. THE TYPE OF MULCH SHALL BE SHREDDED AND COMPOSTED MELALEUCA TREE, GRADE 'B'. AT A MINIMUM, PROVIDE A 24 INCH RING OF MULCH AROUND TREE TRUNKS LOCATED IN GRASS AREAS.
- 8. PLANT LIST QUANTITIES ARE PROVIDED FOR CONVENIENCE. IN THE EVENT OF QUANTITY DISCREPANCIES, THE DRAWING SHALL TAKE PRECEDENCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY PLANT MATERIAL QUANTITIES, INCLUDING SOD, SOIL AND MULCH.
- 9. TREES AND PALMS SHALL BE GUYED OR STAKED AS PER THE DETAILS.
- IO. ALL LANDSCAPED AREAS SHALL BE PROVIDED WITH AN IRRIGATION SYSTEM THAT PROVIDES RUST FREE, 100 PERCENT COVERAGE WITH 50 PERCENT MINIMUM OVERLAP.
- II. THE IRRIGATION SYSTEM SHALL INCLUDE A RAIN SENSOR DEVICE WHICH WILL LIMIT THE OPERATION OF THE SYSTEM IF SUFFICIENT RAINFALL HAS OCCURED.
- I 2. SOD: THE SPECIES OF GRASS FOR LAWNS SHALL BE ST. AUGUSTINE 'FLORATAM' AND SHALL BE INSTALLED AS SOLID SOD.
- 13. COORDINATE THE FINAL PLACEMENT OF TREES WITH THE PLACEMENT OF LAMP POST LIGHTING.
- 14. CONTRACTOR SHALL INSURE THAT ADEQUATE WATER IS SUFFICIENTLY SUPPLIED IN NECESSARY QUANTITIES TO ALL NEWLY INSTALLED PLANTINGS TO ESTABLISH PLANT MATERIAL UNTIL IRRIGATION IS 100% OPERABLE.
- 15. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN AUTHORIZATION
- 16. IN AREAS WHERE PAVED SURFACES ABUT SOD OR MULCH, THE FINAL GRADE LEVEL OF BOTH SURFACES SHOULD BE EVEN.
- 17. NO STREET TREE SHALL BE PLANTED LESS THAN (25) FEET FROM ANY STREET CORNER, MEASURED FROM THE POINT OF INTERESCTING CURBS OR ROADWAY PAVEMENT EDGES.
- 18 ALL MATERIAL SHALL BE FERTILIZED WITH THE APPROPRIATE FERTILIZER OR TABLETS IMMEDIATELY UPON INSTALLATION. 19. LANDSCAPE AREAS, INCLUDING LANDSCAPED ISLANDS, WITHIN OR ABUTTING VEHICULAR
- USE AREAS SHALL BE EXCAVATED TO A DEPTH OF TWO AND A HALF FEET (2 1/2 ') TO ENSURE THAT ADEQUATE PLANTING SOIL EXISITS. PARKING LOT BASE COURSE MATERIAL, LIMEROCK, ASPHALT, AND OTHER SIMILAR MATERIAL SHALL BE REMOVED TO A DEPTH OF TWO AND A HALF FEET (2 1/2')











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Email: info@fontdesigns.net

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DESIGNED DF

DRAWN RM

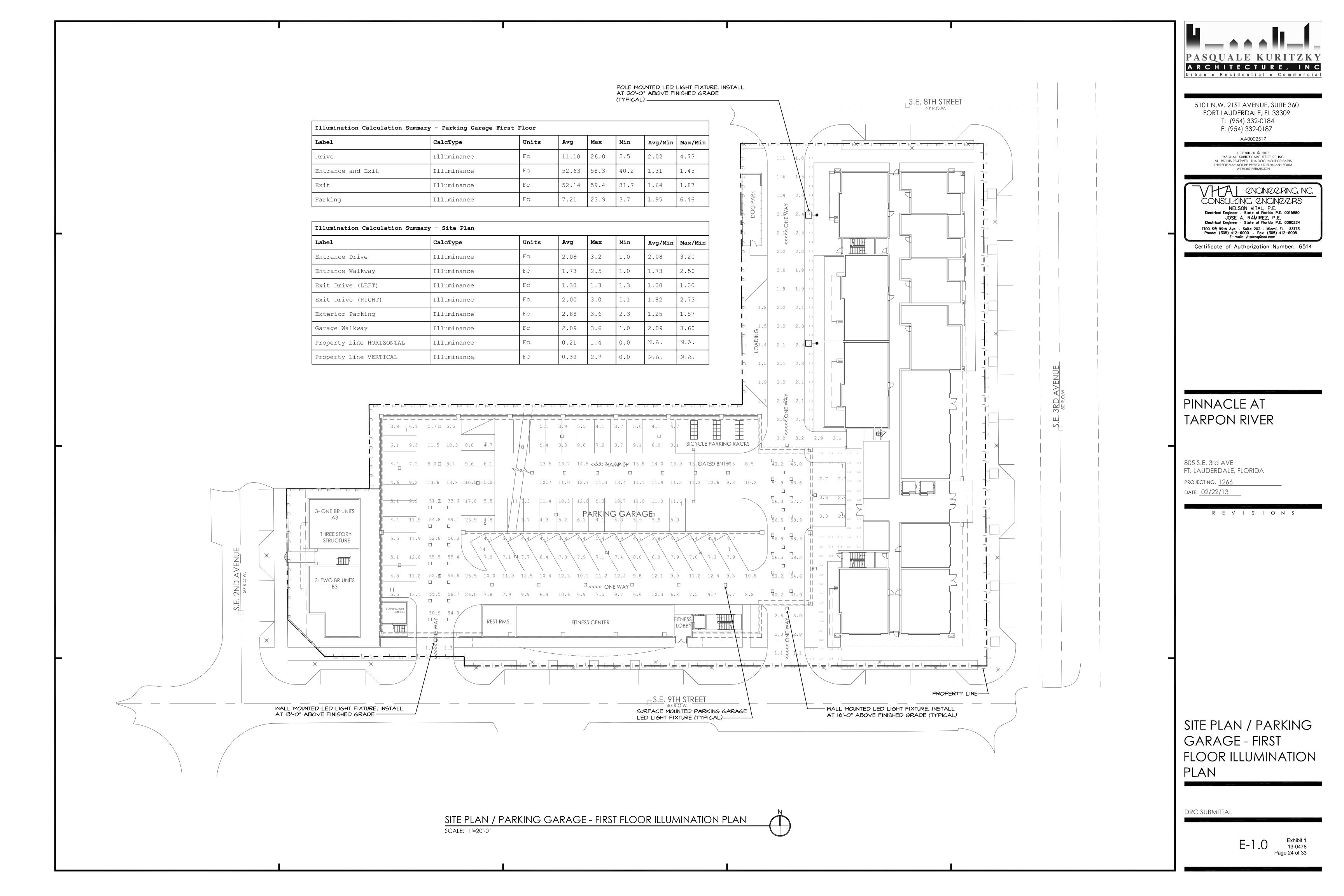
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DAVID FONT, ASLA, RLA LA 6666822

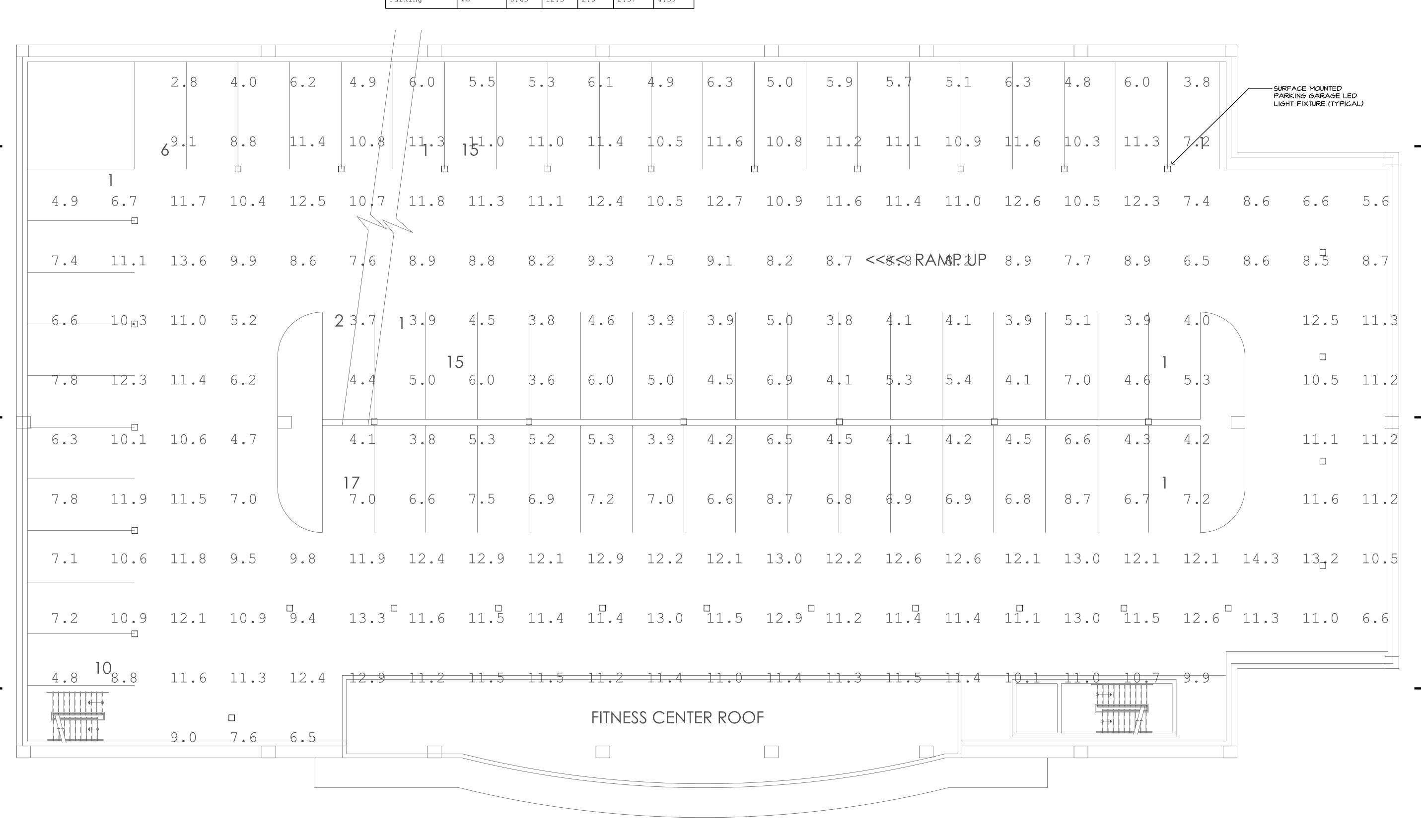
805 S.E. 3rd AVE FT. LAUDERDALE, FLORIDA PROJECT NO.<u>1301</u> DATE: 02/22/13

REVISIONS

DRC SUBMITTAL

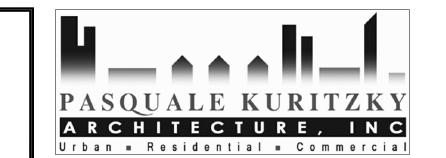


Label	Units	Avg	Max	Min	Avg/Min	Max/Min
Drive	Fc	10.63	14.3	4.7	2.26	3.04
Parking	Fc	6.63	12.3	2.8	2.37	4.39



PARKING GARAGE - SECOND FLOOR ILLUMINATION PLAN

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



5101 N.W. 21ST AVENUE, SUITE 360 FORT LAUDERDALE, FL 33309 T: (954) 332-0184 F: (954) 332-0187

AA0002517

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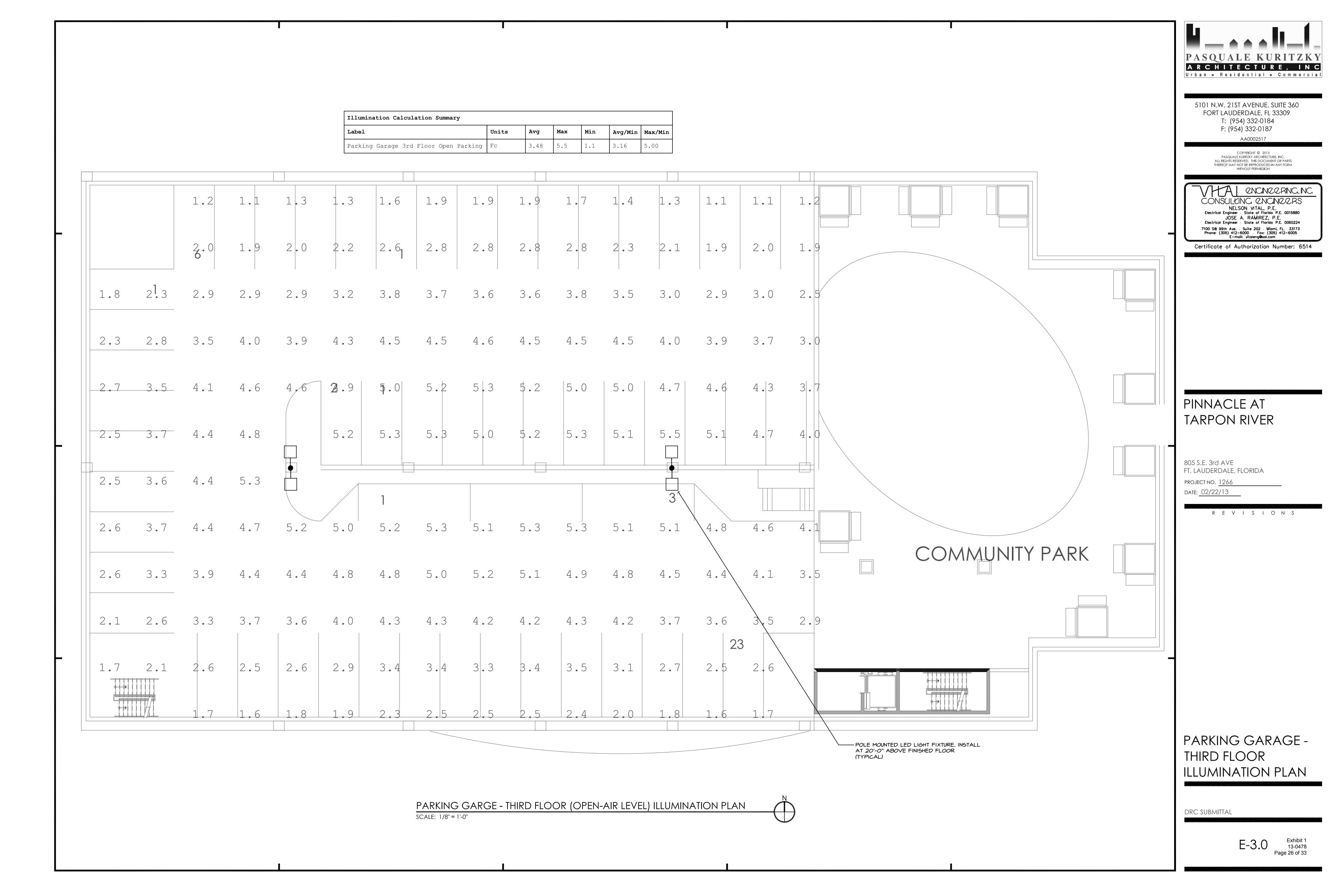
PINNACLE AT TARPON RIVER

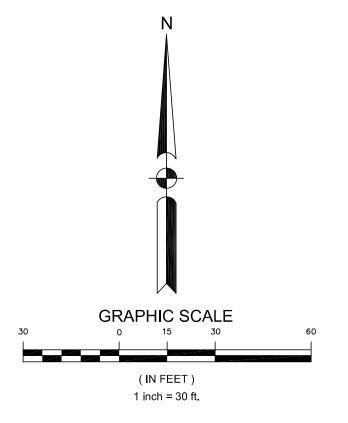
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FT. LAUDERDALE, FLORIDA
PROJECT NO. 1266
DATE: 02/22/13

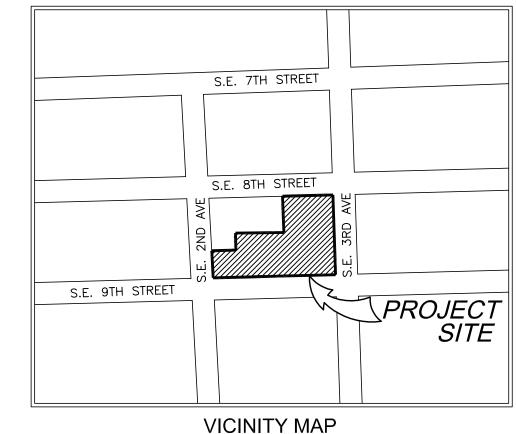
PARKING GARAGE -SECOND FLOOR ILLUMINATION PLAN

DRC SUBMITTAL

E-2.0 Exhibit 1
13-0478
Page 25 of 33







(NOT TO SCALE)

LEGEND

	PROPOSED CATCH BASIN	D	EX. DRAINAGE MANHOLE
	DDODOCED CTODAWATED WELL	MH	EX. FPL MANHOLE
	PROPOSED STORMWATER WELL	BS	EX. BELL SOUTH MANHOLE
н	PROPOSED VALVE	S	EX. SANITARY MANHOLE
+	PROPOSED FIRE HYDRANT	СВ	EX CATCH BASIN
□▶◆	PROPOSED WATER SERVICE		EX. DRAINAGE STRUCTURE
─ €	PROPOSED FIRE DEPT. CONNECTION	0	EX. SINGLE SIGN POST
\	PROPOSED SEWER LATERAL		EX. WOOD UTILITY POLE
	WITH CLEANOUT	+	EX. CONCRETE UTILITY POLE
+6.	EX. ELEVATION	ф — ;;;	EX. CONCRETE LIGHT POLE
\longrightarrow	EX. GUY WIRE ANCHOR	<u></u>	EX. WOOD LIGHT POLE
	EX. FIRE HYDRANT		EX. WOOD FENCE
W	EX. WATER GATE VALVE	×	EX. CHAIN LINK FENCE
\boxplus	EX. WATER METER	——————————————————————————————————————	EX. OVERHEAD WIRE
GAS	EX. GAS GATE VALVE		EX. WATER MAIN
(IR)	EX. IRRIGATION VAVLE	SSWR	EX. BURIED SANITARY LINE
			EX. BURIED DRAINAGE LINE
		——— GAS———	EX. BURIED GAS LINE

GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR READING AND FAMILIARIZING THEMSELVES WITH ALL OF THE PERMITS PREVIOUSLY ACQUIRED FOR THIS PROJECT. THE CONDITIONS OUTLINED IN THE PERMITS ARE IN FORCE AND FULL EFFECT AS PART OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE TO ENSURE ALL WORK ASSOCIATED WITH THIS PROJECT IS IN COMPLIANCE WITH ALL OF THE REQUIREMENTS OF THESE PERMITS AS WELL AS ANY GOVERNING AGENCY HAVING JURISDICTION OVER THE PROJECT.
- 2. THE CONTRACTOR WILL BE RESPONSIBLE FOR ACQUIRING A VALID NPDES PERMIT, UNLESS SUCH PERMIT IS DETERMINED TO BE NON-APPLICABLE BY REGULATORY AGENCY HAVING PROPER JURISDICTION REGARDING THIS MATTER. REGARDLESS OF WHETHER AN NPDES PERMIT IS REQUIRED, THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTAIN ALL UNCONFINED PARTICULATE MATTER WITHIN THE PROJECT BOUNDARIES.
- 3. CONTRACTOR SHALL ADJUST ALL MANHOLE FRAMES & COVERS, AND EXISTING SIGNAGE/PAVEMENT MARKINGS AFFECTED BY THE PROPOSED IMPROVEMENTS & NEW LAYOUT. CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY RELOCATION AND GRADE ADJUSTMENTS WITHIN PROJECT LIMITS AND FOR COORDINATION WITH APPLICABLE UTILITY COMPANIES PRIOR TO ADJUSTMENTS. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA, INC. AT 1-800-432-4770.
- 5. INFORMATION AS THE LOCATION OF EXISTING UTILITIES HAS BEEN COLLECTED FROM VARIOUS SOURCES. THE RESULTS OF SUCH INVESTIGATIONS AS SHOWN ON THE DRAWINGS ARE NOT GUARANTEED AS TO THE ACCURACY. THE CONTRACTOR SHALL MAKE ALL NECESSARY INVESTIGATIONS TO SATISFY HIMSELF AS TO THE EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO SAID UTILITIES AS A RESULT OF CONSTRUCTION ACTIVITIES.
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- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY RECORD DRAWINGS TO THE ENGINEER OF RECORD. ONCE THE RECORD DRAWINGS ARE APPROVED BY THE ENGINEER OF RECORD, THE ENGINEER WILL SUBMIT FINAL CERTIFICATION PACKAGES WITH COPIES OF THE RECORD DRAWINGS TO THE AGENCIES FOR CERTIFICATION APPROVALS AND PERMIT CLOSE-OUTS. THE RECORD DRAWINGS SHALL INDICATE ALL INFORMATION REQUIRED BY THE CITY, ENGINEER OF RECORD AND ALL AGENCIES HAVING JURISDICTION. THE RECORD DRAWINGS PROVIDED BY THE CONTRACTOR SHALL BE SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR CURRENTLY REGISTERED IN THE STATE OF FLORIDA AND SHALL BE FIRST REVIEWED BY THE CONTRACTOR TO ASSURE THEY ARE SUFFICIENTLY ACCURATE, CLEAR AND LEGIBLE TO SATISFY THE ENGINEER OF RECORD AND ALL PERMITTING AGENCIES IN ORDER TO OBTAIN FINAL CERTIFICATION APPROVALS AND PERMIT CLOSE-OUTS. THE PROJECT WILL NOT BE CONSIDERED COMPLETE UNTIL ALL FINAL CERTIFICATIONS HAVE BEEN APPROVED AND PERMITS HAVE BEEN CLOSED-OUT.



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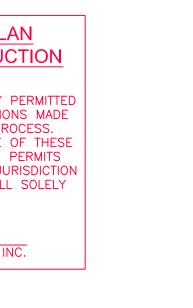
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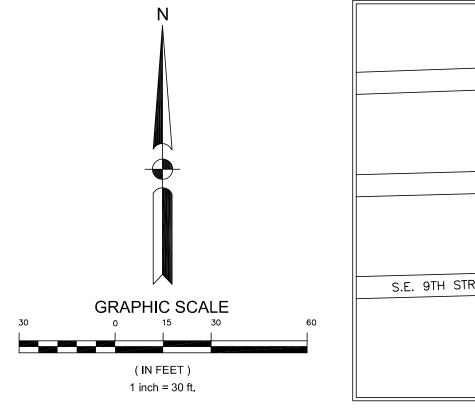
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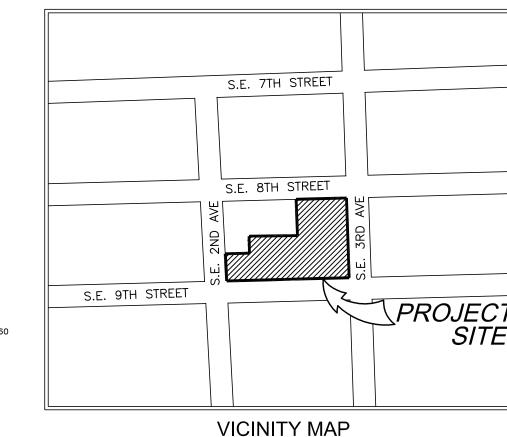
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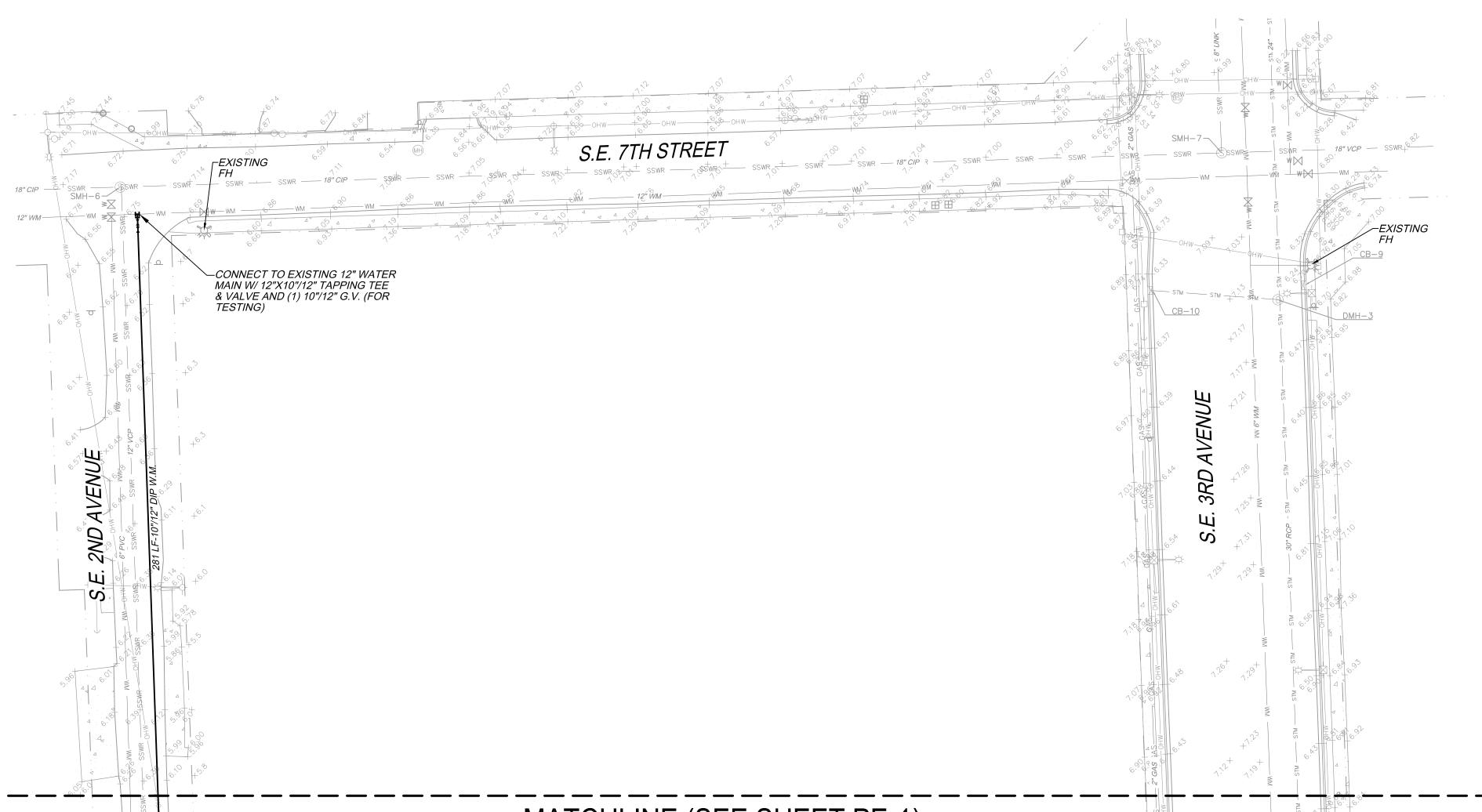
(NOT TO SCALE)

LEGEND

	PROPOSED CATCH BASIN		EX. DRAINAGE MANHOLE
	PROPOSED STORMWATER WELL	(MH)	EX. FPL MANHOLE EX. BELL SOUTH MANHOLE
н	PROPOSED VALVE	(\$)	EX. SANITARY MANHOLE
•	PROPOSED FIRE HYDRANT	СВ	EX CATCH BASIN
□→	PROPOSED WATER SERVICE	M	EX. DRAINAGE STRUCTURE
	PROPOSED FIRE DEPT. CONNECTION	$\overline{\circ}$	EX. SINGLE SIGN POST
<u></u>	PROPOSED SEWER LATERAL		EX. WOOD UTILITY POLE
	WITH CLEANOUT	+	EX. CONCRETE UTILITY POLE
+6.	EX. ELEVATION	↓	EX. CONCRETE LIGHT POLE
	EX. GUY WIRE ANCHOR		EX. WOOD LIGHT POLE
Ş	EX. FIRE HYDRANT		EX. WOOD FENCE
W	EX. WATER GATE VALVE	×	EX. CHAIN LINK FENCE
\blacksquare	EX. WATER METER	DHW	EX. OVERHEAD WIRE
GAS 	EX. GAS GATE VALVE	WM	EX. WATER MAIN
(IR)	EX. IRRIGATION VAVLE	SSWR	EX. BURIED SANITARY LINE
			EX. BURIED DRAINAGE LINE
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MATCHLINE (SEE SHEET PE-1)

CB-3

RIM=5.10'

S. INV. ELEV.=1.65'

BOTTOM OF BOX=1.60'

BOTTOM OF BOX=2.30'

SMH-1	
RIM=6.97'	
W. INV. ELEV.=2.60'	
8" UNKNOWN	

UNDETERMINED RIM=5.55' RIM=6.78' 2. INV. ELEV.=-2.70' 12" UNKNOWN 12" UNKNOWN E. INV. ELEV.=-2.82' S. INV. ELEV.=-3.29' 8" UNKNOWN 12" UNKNOWN W. INV. ELEV.=-2.47' E. INV. ELEV.=1.50' 12" UNKNOWN 8" UNKNOWN W. INV. ELEV.=1.39'

SMH-3RIM=5.58' RIM = 5.58'W. INV. ELEV.=0.55' 8" UNKNOWN N. INV. ELEV.=1.04' PIPE TYPE AND SIZE

8" UNKNOWN

W. INV. ELEV.=-2.80' 12" UNKNOWN RIM=7.21' N. INV. ELEV.=-3.30' S. INV. ELEV.=-4.08' 12" UNKNOWN E. INV. ELEV.=-4.49' 20" UNKNOWN W. INV. ELEV.=-4.42' W. INV. ELEV.=-3.95' 20" UNKNOWN

N. INV. ELEV.=-2.73' 12" UNKNOWN E. INV. ELEV.=-1.21 8" UNKNOWN

> RIM=7.00' N. INV. ELEV.=-3.58' 8" UNKNOWN E. INV. ELEV.=-3.89' 20" UNKNOWN

E. INV. ELEV.=2.97' N. INV. ELEV.=2.08' BOTTOM OF BOX=1.17' BOTTOM OF BOX=2.00' RIM=5.13'

CB-2

RIM = 5.93'

RIM=6.72'

W. INV. ELEV=1.83'

RIM=6.26' RIM=6.10' E. INV. ELEV=2.33' W. INV. ELEV=3.06' 12" RCP 12" RCP BOTTOM OF BOX=1.73' BOTTOM OF BOX=2.96' S. INV. ELEV=2.45'

CB-4RIM=4.70'N.E. INV. ELEV.=-1.26' 30" RCP S. INV. ELEV=-1.23' 30" RCP

CB-9

RIM=6.29'

12" RCP

W. INV. ELEV=3.13'

BOTTOM OF BOX=2.89'

RIM = 4.81'S. INV. ELEV.=-1.54' 36" RCP W. INV. ELEV=-1.49' 36" RCP

CB-5

BOTTOM OF BOX=-1.30' BOTTOM OF BOX=-1.57' CB-10 RIM = 6.33'E. INV. ELEV=3.08' 12" RCP

BOTTOM OF BOX=2.93'

DMH-1 RIM=5.51' N. INV. ELEV.=0.63' E. INV. ELEV=1.51' 12" RCP S.W. INV. ELEV=0.31'

S. INV. ELEV.=1.48' 30" RCP E. INV. ELEV=2.91' 12" RCP 30" RCP W. INV. ELEV=2.26' BOTTOM OF BOX=0.27' 12" RCP

RIM=6.66'

30" RCP

N. INV. ELEV.=1.42'

30" RCP E. INV. ELEV=3.06' 12" RCP W. INV. ELEV=2.60' 12" RCP BOTTOM OF BOX=1.36' BOTTOM OF BOX=1.96'

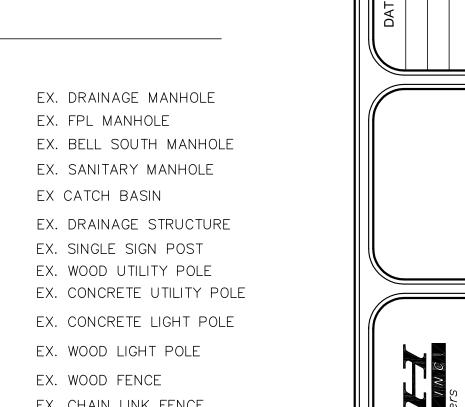
DMH-3

RIM=6.76'

30" RCP

S. INV. ELEV.=2.01'

N. INV. ELEV.=2.09'





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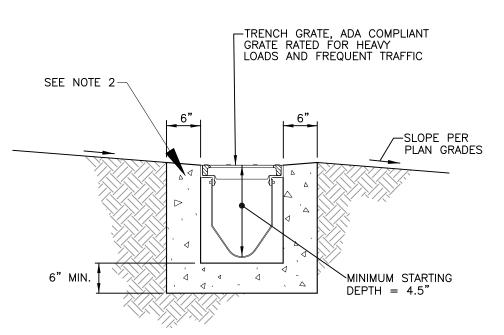
NGIN

SHEET NO. PE-2

PROJECT NO. Page 310.00

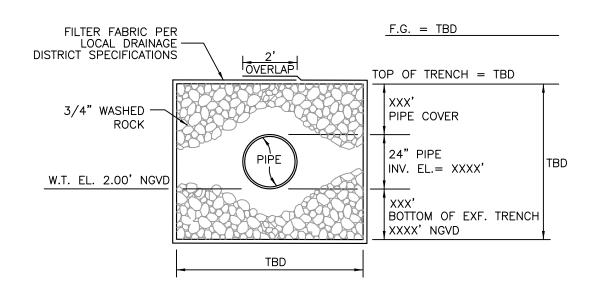
NOTE: LOCKING GRATES TO BE PROVIDED AS REQUIRED BY CITY OF FORT LAUDERDALE.

STRUCTURE SCHEDULE

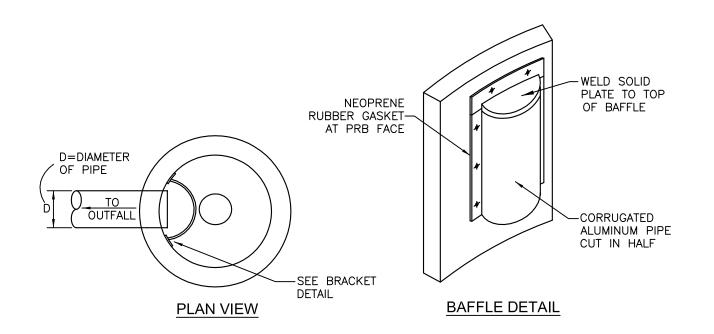


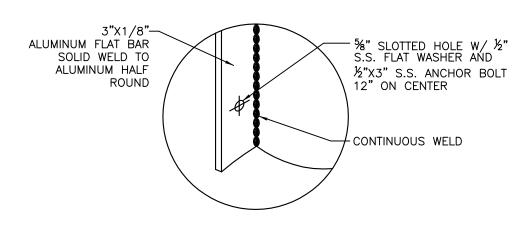
TRENCH DRAIN BY ACO – KS100S HEAVY DUTY, O.E.
 3,000 PSI MIN. CONCRETE STRENGTH. CONCRETE TO BE VIBRATED TO ELIMINATE AIR POCKETS.
 REFER TO ACO'S LATEST INSTALLATION INSTRUCTIONS FOR COMPLETE DETAILS.

TRENCH DRAIN DETAIL



EXFILTRATION TRENCH SECTION

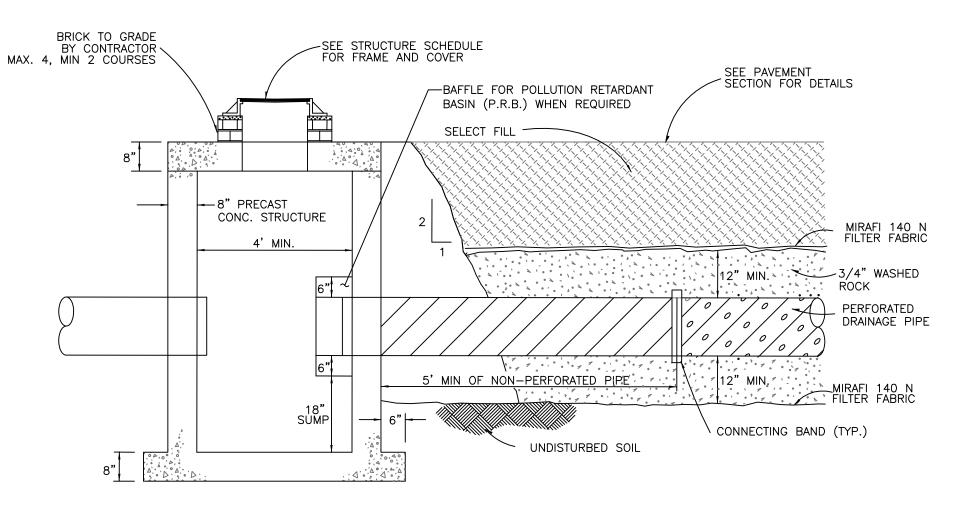




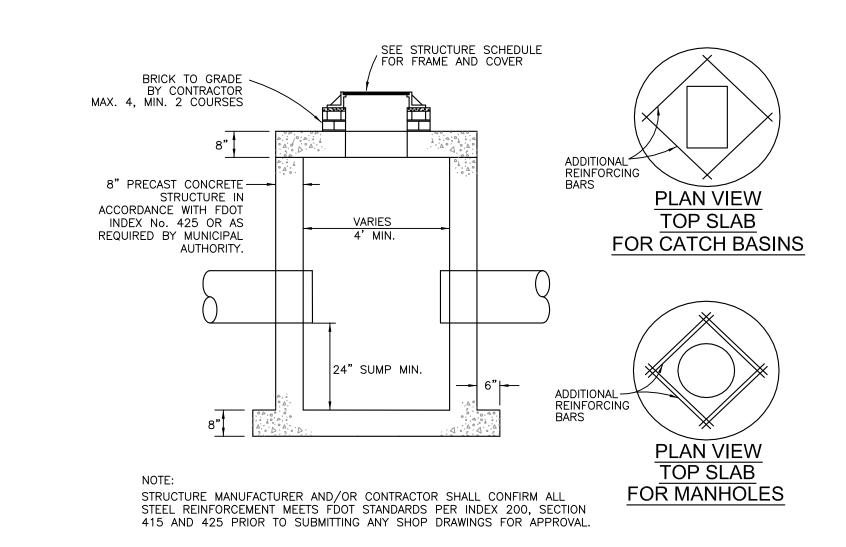
BRACKET DETAIL

BAFFLE TO BE A SECTION OF CAP CUT IN HALF. CAP FOR BAFFLE SHALL BE THE NEXT STANDARD PIPE DIAMETER LARGER THAN THE INFLOW/OUTFLOW

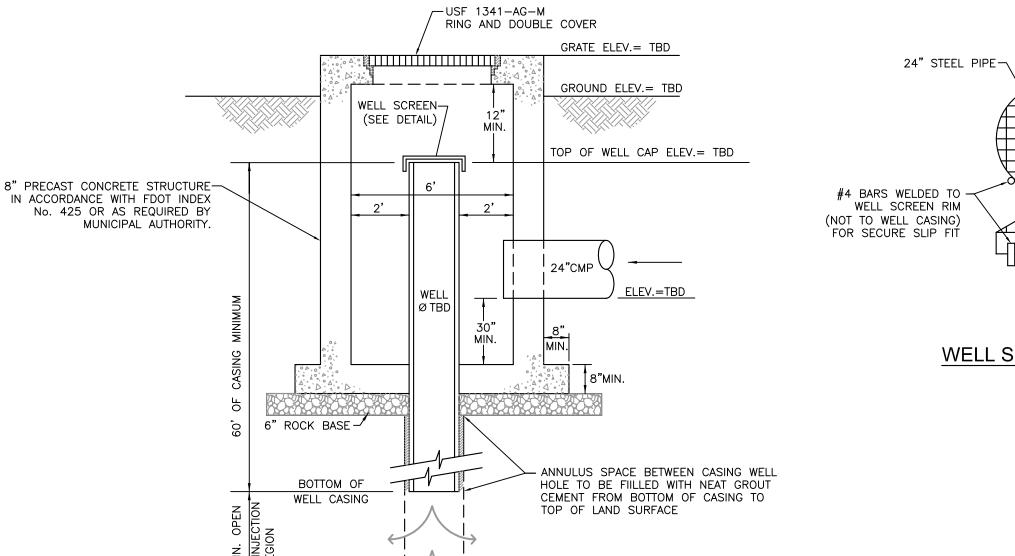
POLLUTION RETARDANT BAFFLE DETAIL N.T.S.



CATCH BASIN W/P.R.B. AND EXFILTRATION TRENCH

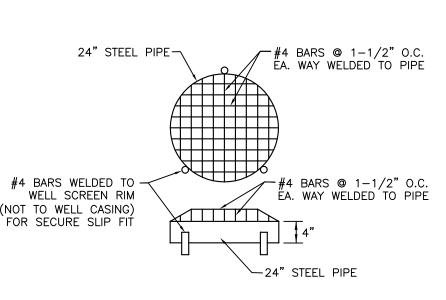


TYPICAL CATCH BASIN / MANHOLE

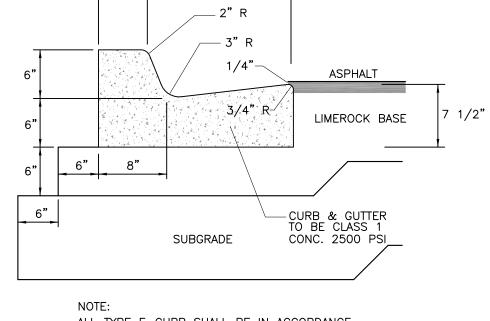


WELL NOTES:

- 1) TBD DIAMETER WELL, CONTRACTOR TO DEVELOP WELL CAPABLE OF DISCHARGING A MINIMUM TBD GPM PER FOOT OF HEAD. FINAL WELL DIMENSIONS TO BE DETERMINED BY A LICENSED WELL CONTRACTOR. FINAL DEPTH OF CASING TO BE FIELD DETERMINED BY WELL CONTRACTOR. THE WELL CASING SHALL PENETRATE A ZONE CONTAINING A MINIMUM OF 10,000 mg/L TOTAL DISSOLVED SOLIDS (TDS).
- 2) DRAINAGE WELL TO BE CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE REGULATORY STANDARDS AND PERMITS.
- 3) 8" MINIMUM PRECAST CONCRETE STRUCTURE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 425 OR AS REGULATED BY MUNICIPAL AUTHORITY. STRUCTURE TO BE 6' X 6' (MIN.).
- 4) LIDS TO BE BOLTED DOWN (PENTA HEAD BOLTS, 4 ON INNER COVER AND 4 ON OUTER COVER).
- 5) THE CONTRACTOR IS SOLELY RESPONSIBLE TO PREVENT ANY FLUID FROM DISCHARGING INTO THE DRAINAGE WELL WITHOUT WRITTEN AUTHORIZATION FROM FDEP TO USE THE WELL.
- 6) THE WELL CASING SHALL BE 24" DIAMETER AND IN ACCORDANCE WITH RULE 62-532.500(1)(A), FAC WHICH SPECIFIES ALL WELL CASING SHALL BE NEW AND CONFORM TO AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) A53/A53M-99b, A135-01, A252-98, A589-96, OR AMERICAN PETROLEUM INSTITUTE (API) 5L-2000. REFER TO RULE FOR MORE DETAILS.
- 7) THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT FOR CONDUCTING THE WELL TEST AND SATISFACTORILY DISPOSING OF THE WATER PUMPED FROM THE WELL. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 48 HOURS NOTICE TO THE CITY, ENGINEER AND/OR REGULATORY AGENCIES PRIOR TO THE START OF THE TEST.
- 8) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE NECESSARY WELL DRILLING PERMITS AND COMPLY WITH ALL PROVISIONS THEREOF. THIS SHALL INCLUDE (BUT NOT LIMITED TO) SECURING THE FINAL CONSTRUCTION/CLEARANCE PERMIT FOR A CLASS V WELL BY COMPLETING AND PROCESSING THE REQUIRED APPLICATION FORM (62-528.900.(3) THROUGH FDEP. IN ADDITION, THE CONTRACTOR IS REQUIRED TO PREPARE/PROVIDE THE REASONABLE ASSURANCE REPORT IN ACCORDANCE WITH FDEP REQUIREMENTS. THE CONTRACTOR SHALL HIRE A QUALIFIED FLORIDA LICENSED PROFESSIONAL GEOLOGIST/ENGINEER WITH THE REQUIRED HYDROGEOLOGICAL EXPERTISE TO DEVELOP THIS REPORT AND PROVIDE THE NECESSARY SIGNED AND SEALED



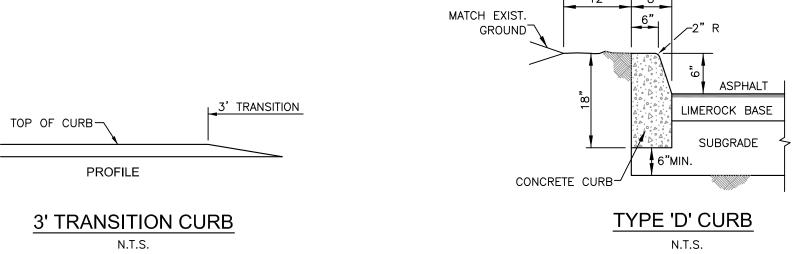
WELL SCREEN DETAIL N.T.S.



1'-6"

ALL TYPE F-CURB SHALL BE IN ACCORDANCE WITH THE STANDARD REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT).

TYPE 'F' CURB & GUTTER



PRELIMINARY PLAN NOT FOR CONSTRUCTION

THESE PLANS ARE NOT FULLY PERMITTED AND ARE SUBJECT TO REVISIONS MADE DURING THE PERMITTING PROCESS. RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

Date: 02-22-13 KEITH & ASSOCIATES, INC.

DRAINAGE WELL N.T.S.

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SHEET NO.

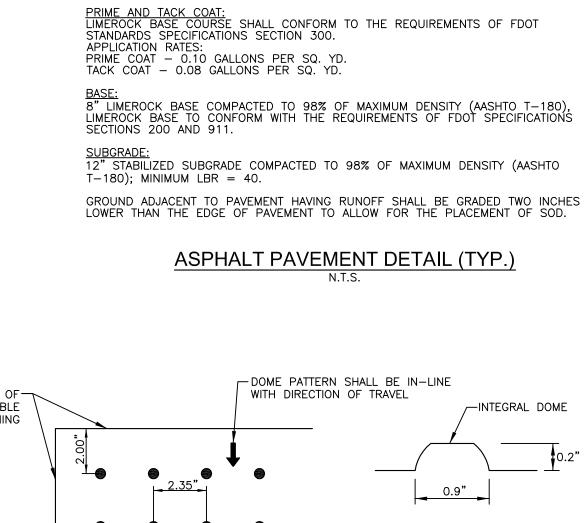
PROJECT NO. Page 310.00

CONCRETE DRIVEWAY

RESTORATION (TYPE V)

SURFACE RESTORATION

N.T.S.



__TWO (2) 3/4" ASPHÀLT LÍFTS

12" STABILIZED SUBGRADE—

ASPHALTIC CONCRETE VEHICULAR:

2-3/4" LIFTS, FDOT TYPE S-III ASPHALT SURFACE COURSE SHALL CONFORM TO THE REQUIREMENTS OF FDOT STANDARDS SPECIFICATIONS SECTIONS 320 AND 330.

SECOND LIFT OF ASPHALT SHALL NOT BE PLACED UNTIL FINAL LANDSCAPE/HARDSCAPE

8" LIMEROCK BASE—

PRELIMINARY PLAN

NOT FOR CONSTRUCTION

THESE PLANS ARE NOT FULLY PERMITTED AND ARE SUBJECT TO REVISIONS MADE DURING THE PERMITTING PROCESS. RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS

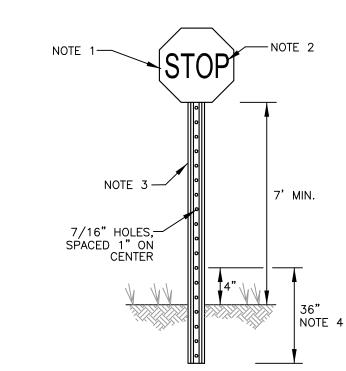
FROM ALL AGENCIES HAVING JURISDICTION

OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

Date: 02-22-13 KEITH & ASSOCIATES, INC.

1. ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24 INCHES MINIMUM FROM THE BACK OF CURB OR EDGE OF PAVEMENT. 2. GROOVES NOT PERMITTED. 3. REFER TO FBC/FACBC 11-4.7.7, 11-4.29.2, PLAN VIEW 11-4.29.5/ANSI A117.1-1986

DETECTABLE WARNING DETAIL ("TRUNCATED DOMES")



NOTES:

-PARKING GARAGE WALL

PARKING STALL DETAILS

N.T.S.

TRUNCATED DOME

1. REGULATORY SIGN R1-1 (30"X30") DEPICTED. THE TOP OF THE STOP SIGN SHALL BE MOUNTED FLUSH TO THE TOP OF THE POST WHEN NO STREET ID IS PRESENT. ANY SIGN INSTALLED BACK TO BACK WITH THE STOP SIGN SHALL BE SMALLER THAN THE STOP SIGN. 2. STOP, DO NOT ENTER OR YIELD

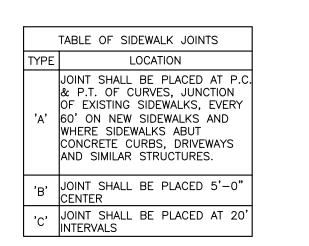
DIAMOND GRADE (3M VIP 3990 WHITE) OR EQUIVALENT. PRESSURE SENSITIVE RED TRANSLUCENT INK SILK SCREENED CLEAR COATED OR EC FILM 1172 RED OR EQUIVALENT OVER DIAMOND GRADE. 3. SQUARE TUBE SIGN POST THE SQUARE TUBE SIGN POST SHALL BE 2" SQUARE AND INSERTED WITHIN THE SQUARE TUBE ANCHOR POST. THE SIGN SHALL BE SECURED TO THE ANCHOR POST WITH A #18 GRADE FIVE THREADED STEEL ZINC BOLT, $\frac{5}{16}$ " by 2.5" with a $\frac{5}{16}$ " flat whaser and nut. 4. Square tube anchor base post THE SQUARE TUBE ANCHOR BASE POST SHALL BE 12 GAUGE STEEL, 2.25" SQUARE AND 36" IN

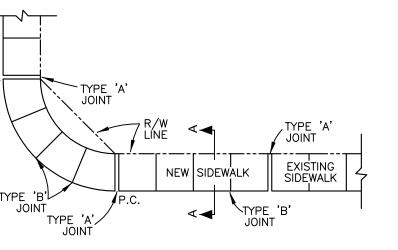
LENGTH. THE BASE MUST BE DRIVEN INTO THE GROUND WITH 4" REMAINING ABOVE THE SURFACE. 5. POST SPECIFICATIONS
ALL POST SHALL BE QUICK PUNCH, 14 GAUGE, GRADE 50 STEEL. THE POSTS SHALL BE HOT-DIPPED IN GALVANIZED ZINC COATING AND FINISHED WITH CONVERSION COATING AND A CLEAR ORGANIC TOP COAT.

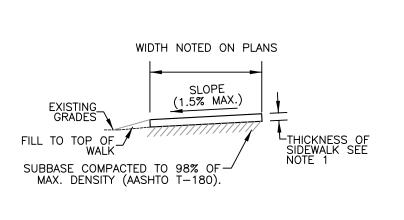
STOP SIGN DETAIL

1/8" 1/2" PREMOLDED EXPANSION JOINT MATERIAL TYPE 'A' TYPE 'C' TYPE 'B'

SIDEWALK JOINTS







SECTION "A-A"

1) SIDEWALK THICKNESS SHALL BE 4" THICK. THICKNESS IN TRAFFIC LOADING AREAS AND IN DRIVEWAYS SHALL BE 6". 2) SIDEWALK RAMPS PER FDOT INDEX # 304.

3) CONCRETE TO BE 3,000 PSI IN 28 DAYS. 4) CURE ALL CONCRETE WITH CLEAN SAND, PLASTIC MEMBRANE OR OTHER APPROVED METHOD. 5) SIDEWALK FOUNDATION SHALL BE COMPACTED TO A FIRM, EVEN SURFACE,

TRUE TO GRADE AND CROSS SECTION, AND SHALL BE MOIST AT THE TIME CONCRETE IS PLACED. 6) ALL CONSTRUCTION SHALL CONFORM TO LOCAL CONSTRUCTION CODES AND STANDARDS.

SIDEWALK DETAIL

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SHEET NO.

OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1) (4)	JOINT SPACING @ CROSSINGS (FULL JOINT CENTERED)
STORM SEWER, STORM WATER FORCE MAIN, RECLAIMED WATER (2)	Water Main 3 ft. minimum	Water Main 12 inches is the minimum, except for storm sewer, then 6 inches is the minimum and 12 inches is preferred preferred	Alternate 3 ft. minimum Water Mair
VACUUM SANITARY SEWER	Water Main 10 ft. preferred 3 ft. minimum	Water Main 12 inches preferred 6 inches min	Alternate 3 ft. minimum Water Main
GRAVITY SANITARY SEWER,(3) SANITARY SEWER FORCE MAIN, RECLAIMED WATER	Water Mair 10 ft. preferred 6 ft. minimum	Water Main 12 inches is the minimum, except for gravity sewer, then 6 inches is the minimum and 12 inches is preferred	Alternate 6 ft. minimum Water Main
ON-SITE SEWAGE TREATMENT & DISPOSAL SYSTEM	10 ft. minimum		

(1) WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SFPARATION IS 12 INCHES. (2) RECLAIMED WATER REGULATED UNDER PART III DF CHAPTER 62-610, F.A.C. (3) 3 FT. FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER. (4) 18" VERTICAL MINIMUM SEPARATION REQUIRED BY THE CITY OF FORT LAUDERDALE, UNLESS OTHERWISE APPROVED.

WATER MAIN SEPARATION

N.T.S.

RESTORATION DETAILS -SUITABLE BACKFILL PLACED AND COMPACTED TO AT LEAST 100% OF MAXIMUM DENSITY, 6" MAXIMUM SIZE, 6" LIFTS, PER AASHTO SPEC. NO. -SELECT BACKFILL PLACED AND COMPACTED TO AT LEAST 100% OF MAXIMUM DENSITY, 2" MAXIMUM SIZE, 6" LIFTS, PER AASHTO SPEC. NO. T-99C. -SELECT BACKFILL PLACED AND COMPACTED TO AT LEAST 98% OF MAXIMUM DENSITY, 2" MAXIMUM SIZE, 6" LIFTS, PER AASHTO SPEC. NO. T-99C. BEDDING MATERIAL. SEE NOTE — FOUNDATION REQUIRED IN UNSTABLE SOILS. SEE NOTE NO. 3 PIPE O.D. PLUS 24 INCHES TRENCH WIDTH 1. UNLESS OTHERWISE SPECIFIED, BEDDING MATERIAL SHALL CONSIST OF SELECT BACKFILL MATERIAL 2" MAX. SIZE, COMPACTED TO AT LEAST 100% OF MAX. DENSITY, 6" LIFTS, PER AASHTO SPEC. NO. T-99C.

-REFER TO PAVEMENT

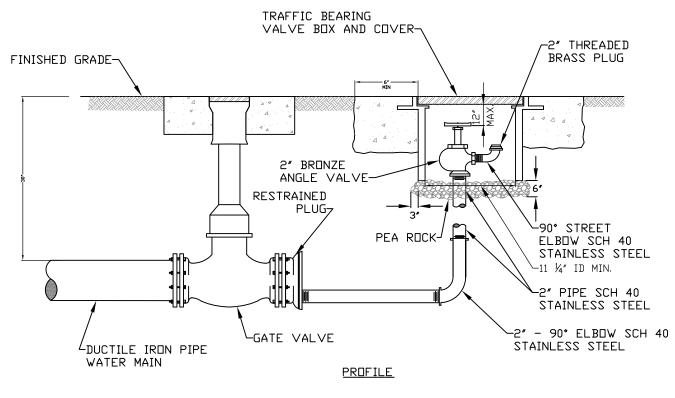
-BOTTOM OF ROADWAY BASE OR

EXISTING GROUND

2. WHERE REQUIRED, SHEETING AND SHORING SHALL BE IN ACCORDANCE WITH OSHA REQUIREMENTS.

3. WHERE UNSTABLE SOILS ARE ENCOUNTERED, INCLUDING PEAT, MUCK OR OTHER ORGANIC SOILS, ELASTIC SILT AND CLAYS, A FOUNDATION IS REQUIRED AS DETERMINED BY THE ENGINEER OF RECORD.

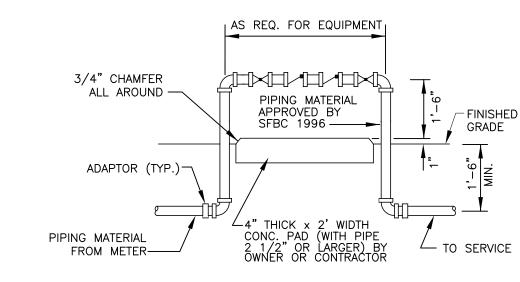
> TYPICAL TRENCH BACKFILL N.T.S.



2" TAP IN BOTTOM OF PLUG. USE RESTRAINED JOINT PIPE. IN GRASS AREA USE CONCRETE COLLARS, 6" THICK.

MANUAL BLOWOFF

N.T.S.



USE MEGALUGS AT ALL PIPE JOINTS 3" AND LARGER PLEASE SEE METER INSTALL DIMENSION LIST ON STANDARD No. 106.4 SMALL UNITS UNI-STRUT SUPPORT

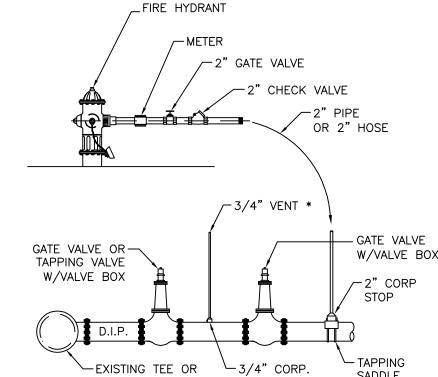
BACKFLOW PREVENTER SHALL BE AT LEAST THE SAME SIZE AS THE LINE IN WHICH THEY ARE INSTALLED (FBC-P TABLE 603.1(d)).

> **BACKFLOW PREVENTER** N.T.S.

PRELIMINARY PLAN NOT FOR CONSTRUCTION

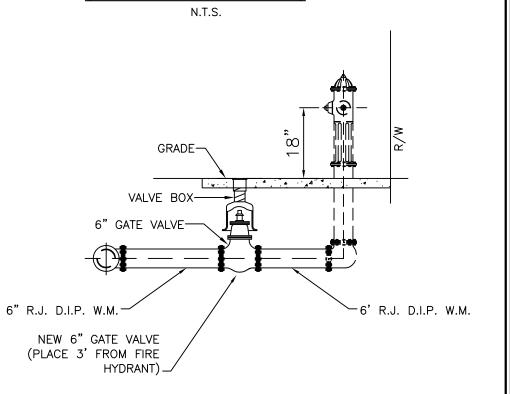
THESE PLANS ARE NOT FULLY PERMITTED AND ARE SUBJECT TO REVISIONS MADE DURING THE PERMITTING PROCESS. RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

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* NOTE: AFTER TESTS REMOVE 3/4" TUBING AND 2" GALVANIZED PIPE AND INSTALL PLUGS ON CORPORATION STOPS.

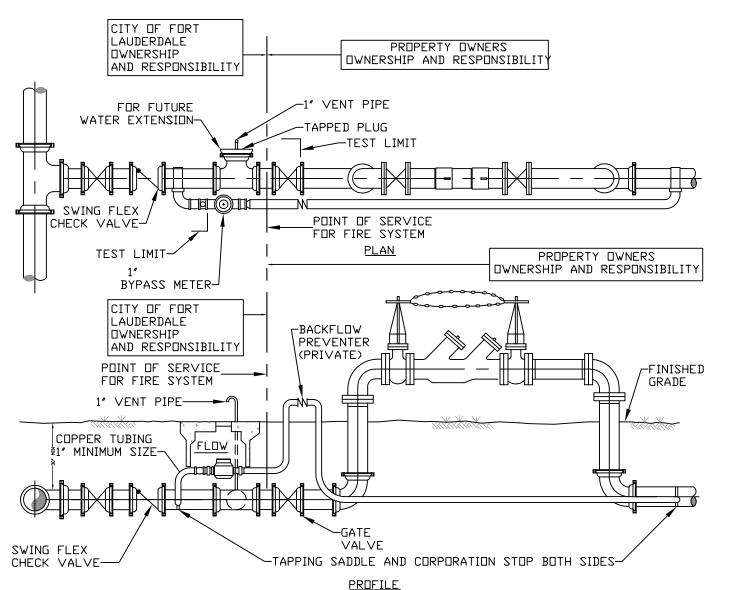
FILLING CONNECTION (COFTL DETAIL NO. 305)



1. RECONNECT EXISTING FIRE HYDRANT TO NEW WATER MAIN. 2. KEEP VALVE AS CLOSE AS POSSIBLE TO THE HYDRANT. 3. WHEN FIRE HYDRANT "TEE" IS ON P.V.C. PIPE RUN, CONSTRUCT 1 LENGTH OF D.I.P. (R.J.) PIPE ON EACH SIDE OF FIRE HYDRANT "TEE".

RELOCATE OR CONECT EXISTING FIRE HYDRANT (COFTL DETAIL NO. 308)

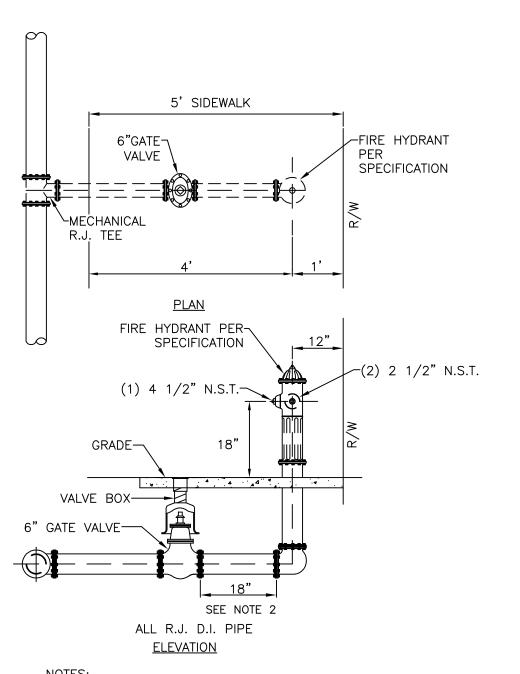
N.T.S.



- THE DOUBLE CHECK VALVE SHALL BE PRIVATELY OWNED BY PROPERTY OWNER. FIRE SYSTEM TO BE CONSTRUCTED/TESTED IN ACCORDANCE WITH NFPA STDS. & ALL
- APPLICABLE CODES. METER BOX AND SERVICE LINE SHALL BE IN ACCORDANCE WITH THE CITY OF FORT LAUDERDALE STANDARD DETAIL FOR WATER METER INSTALLATION AND NFP STDS & CODES USE TYPE "K" COPPER TUBING
- AND BRASS OR COPPER FITTINGS. 4. BACKFLOW PREVENTER FOLLOWING THE METER SHALL BE THE SAME TYPE DEVICE
- (DEGREE OF HAZARD) AS THE FIRE MAIN DEVICE. THIS SHALL BE PRIVATELY OWNED BY THE PROPERTY OWNER, METER BOX SHALL BE SUPPLIED BY CONTRACTOR. 5. EXTENT OF CITY OF FORT LAUDERDALE OWNERSHIP IS LIMITED TO THE BYPASS METER AND ALL PIPING PRIOR TO THE POINT OF SERVICE FOR THE FIRE SYSTEM AS SHOWN ON THIS
- DRAWING VIA PLAN AND PROFILE ABOVE. 6. 1" VENT PIPE TO BE REMOVED AFTER CITY OF FORT LAUDERDALE APPROVAL

DEDICATED FIRE SYSTEM

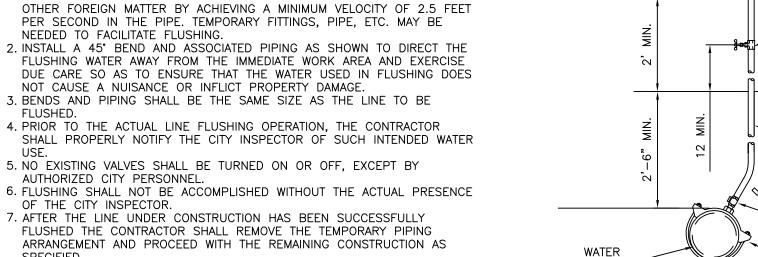
TYPE 1 PRIVATE FIRE PROTECTION 4",6", AND 8" DIAMETER CONNECTION



1. ACTUAL LOCATION OF FIRE HYDRANT TO BE DECIDED IN THE FIELD WITH ENGINEER'S APPROVAL. 2. KEEP VALVE AS CLOSE AS POSSIBLE TO THE HYDRANT.

> TYPICAL NEW FIRE HYDRANT (COFTL DETAIL NO. 302)

N.T.S.



OF THE CITY INSPECTOR 7. AFTER THE LINE UNDER CONSTRUCTION HAS BEEN SUCCESSFULLY FLUSHED THE CONTRACTOR SHALL REMOVE THE TEMPORARY PIPING ARRANGEMENT AND PROCEED WITH THE REMAINING CONSTRUCTION AS 8. THERE MAY BE SPECIAL REQUIREMENTS FOR FLUSHING PIPE LARGER

ALL R.J. D.I. PIPE

1. UPON COMPLETION OF THE PIPE INSTALLATION FOR ANY SECTION, THE

MAINS SHALL BE SWABBED AND FLUSHED TO REMOVE DIRT AND ANY

PER SECOND IN THE PIPE. TEMPORARY FITTINGS, PIPE, ETC. MAY BE

NOT CAUSE A NUISANCE OR INFLICT PROPERTY DAMAGE.

3. BENDS AND PIPING SHALL BE THE SAME SIZE AS THE LINE TO BE

5. NO EXISTING VALVES SHALL BE TURNED ON OR OFF, EXCEPT BY

4. PRIOR TO THE ACTUAL LINE FLUSHING OPERATION, THE CONTRACTOR

BLOWOFF FULL DIAMETER

TEMPORARY

NEEDED TO FACILITATE FLUSHING.

AUTHORIZED CITY PERSONNEL.

THAN 12" DIAMETER.

45° BEND

GATE VALVE

FILLER SPACER

D.I. SLEEVE (LONG)

EXISTING

WATER MAIN

FLUSHING CONNECTION AND BLOW OFF DETAIL (COFTL DETAIL NO. 303)

N.T.S.

TYPICAL BACTERIOLOGICAL SAMPLING POINT AT INTERMEDIATE POINTS (COFTL DETAIL NO. 304)

* NOTE: AFTER TESTS REMOVE 3/4" TUBING

AND INSTALL PLUG ON CORPORATION STOP.

N.T.S.

-3/4" GATE VALVE

-EXISTING GRADE

3/4" DIA. MIN., TYPE

"K" COPPER, OR

APPROVED EQUAL.

- CORPORATION STOP

-DOUBLE STRAP SADDLE

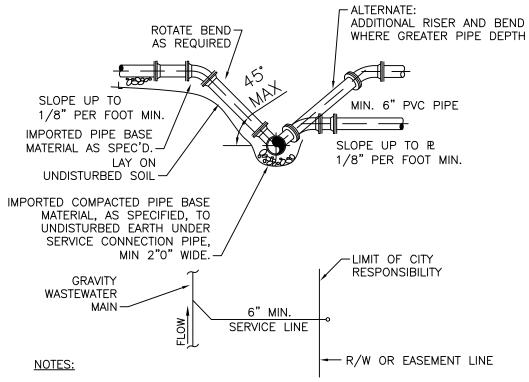
W/VALVE BOX TAPPING SLEEVE

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SHEET NO. C-3

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N.T.S.



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.

1. STORM SEWER, GRAVITY WASTEWATER AND RECLAIMED WATER MAIN CROSSING UNDER POTABLE WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF EIGHTEEN (18) INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE. WHERE THIS MINIMUM SEPARATION CANNOT BE MAINTAINED, THE CROSSING SHALL BE ARRANGED SO THAT THE STORM/WASTEWATER/RECLAIMED WATER PIPE JOINTS AND POTABLE WATER MAIN

JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING WITH NO LESS THAN

TEN (10) FEET BETWEEN ANY TWO JOINTS, BOTH PIPES SHALL BE D.I.P., AND THE MINIMUM VERTICAL SEPARATION SHALL BE 6 INCHES. WHERE THERE IS NO

ALTERNATIVE TO STORM/WASTEWATER/RECLAIMED WATER PIPES CROSSING OVER

BETWEEN LINES AND JOINT ARRANGEMENT, AS STATED ABOVE, SHALL BE

D.I.P. IS NOT REQUIRED FOR STORM SEWERS.

WATER MAIN CROSSING OVER THE FORCE MAIN.

5. THE DEFLECTION TYPE CROSSING IS PREFERRED

4. FITTINGS SHALL BE RESTRAINED.

REQUIRED, AND BOTH PIPES SHALL BE D.I.P. IRRESPECTIVE OF SEPARATION.

2. MAINTAIN MIN. TEN (10) FEET HORIZONTAL DISTANCE BETWEEN POTABLE WATER MAIN AND STORM SEWER, WASTEWATER MAIN, OR FORCE MAIN. MAINTAIN MIN. THREE (3) FEET HORIZONTAL DISTANCE (WALL TO WALL) BETWEEN RECLAIMED

WATER MAIN AND POTABLE WATER MAIN, STORM SEWER, WASTEWATER GRAVITY

OR RECLAIMED WATER MAIN WITH THE POTABLE WATER MAIN OR RECLAIMED

3. FORCE MAIN CROSSING POTABLE WATER MAIN OR RECLAIMED WATER MAIN SHALL

BETWEEN THE OUTSIDE OF THE FORCE MAIN AND OUTSIDE OF THE POTABLE

WATER MAIN OR RECLAIMED WATER MAIN WITH POTABLE WATER MAIN OR

6. DO NOT EXCEED 75% OF MANUFACTURER'S RECOMMENDED MAXIMUM JOINT

400

600

RECLAIMED WATER MAIN CROSSING OVER THE FORCE MAIN.

MAIN OR FORCE MAIN. VERTICAL DISTANCE OF EIGHTEEN (18) INCHES BETWEEN

THE OUTSIDE OF THE FORCE MAIN AND OUTSIDE OF THE POTABLE WATER MAIN

BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF EIGHTEEN (18) INCHES

DEFLECTION FOR DUCTILE IRON PIPE. NO DEFLECTION AT THE JOINT IS ALLOWED

PVC PIPE SIZE (INCH) MIN. ALLOWED RADIUS (FT.) MAX. DEFLECTION (INCH)

PRESSURE PIPE CONFLICT NOTES

(COFTL DETAIL NO. 401)

N.T.S.

PER 20' LENGTH

FOR P.V.C. PIPE. BENDING OF P.V.C. PIPE SHALL NOT EXCEED THE FOLLOWING

A POTABLE WATER MAIN. THE CRITERIA FOR MINIMUM 18" VERTICAL SEPARATION

TYPICAL WASTEWATER SERVICE CONNECTION (COFTL DETAIL NO. 208) N.T.S.

NOTES:

-CLEANOUT ADAPTER WITH THREADED PLUG PAVED SURFACES-—1" (TO ACCOMMODATE SOD) FINISHED GRADE -LOCATOR DISK — -6" P.V.C. 45° BEND - SERVICE CONNECTION └-6" P.V.C. CLEANOUT WYE -PROVIDE PLUG FOR FUTURE CONNECTION BY PROPERTY

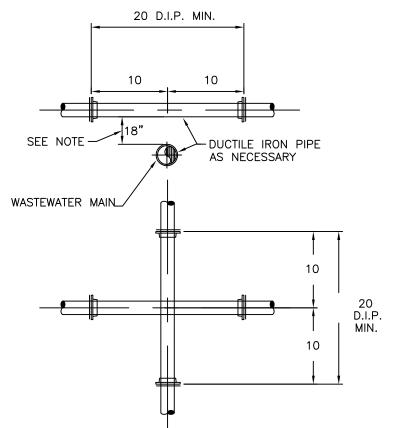
NOTES:

CITY R/W PRIVATE PROPERTY

1. PROVIDE APPROVED PLUG OR JOINT FOR DISSIMILAR GRAVITY SEWER PIPE FOR SERVICE CONNECTION.

2. CLEAN-OUT ASSEMBLY SHALL BE INSTALLED BY PROPERTY OWNER. 3. X=3'0" MIN. OR 4'0" MAX. FOR RESIDENTIAL SERVICE UNLESS OTHERWISE SHOWN.

TYPICAL CLEANOUT INSTALLATION (COFTL DETAIL NO. 209) N.T.S.

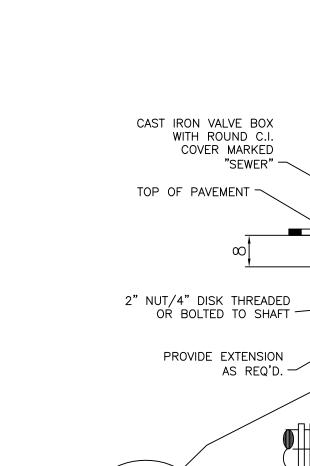


1. STORM SEWER, GRAVITY WASTEWATER AND RECLAIMED WATER MAIN CROSSING UNDER POTABLE WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF EIGHTEEN (18) INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE. WHERE THIS MINIMUM SEPARATION CANNOT BE MAINTAINED, THE CROSSING SHALL BE ARRANGED SO THAT THE STORM/WASTEWATER/RECLAIMED WATER PIPE JOINTS AND POTABLE WATER MAIN JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING WITH NO LESS THAN TEN (10) FEET BETWEEN ANY TWO JOINTS, BOTH PIPES SHALL BE D.I.P., AND THE MINIMUM VERTICAL SEPARATION SHALL BE 6 INCHES. WHERE THERE IS NO ALTERNATIVE TO STORM/WASTEWATER/RECLAIMED WATER PIPES CROSSING OVER A POTABLE WATER MAIN, THE CRITERIA FOR MINIMUM 18" VERTICAL SEPARATION BETWEEN LINES AND JOINT ARRANGEMENT, AS STATED ABOVE, SHALL BE REQUIRED, AND BOTH PIPES SHALL BE D.I.P. IRRESPECTIVE OF SEPARATION.

D.I.P. IS NOT REQUIRED FOR STORM SEWERS. 2. MAINTAIN MIN. TEN (10) FEET HORIZONTAL DISTANCE BETWEEN POTABLE WATER MAIN AND STORM SÈWÉR, WASTEWATER MAIN, OR FORCE MAIN. MAINTAIN MIN. THREE (3) FEET HORIZONTAL DISTANCE (WALL TO WALL) BETWEEN RECLAIMED WATER MAIN AND POTABLE WATER MAIN, STORM SEWER, WASTEWATER GRAVITY

MAIN OR FORCE MAIN. 3. FORCE MAIN CROSSING POTABLE WATER MAIN OR RECLAIMED WATER MAIN SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF EIGHTEEN (18) INCHES BETWEEN THE OUTSIDE OF THE FORCE MAIN AND OUTSIDE OF THE POTABLE WATER MAIN OR RECLAIMED WATER MAIN WITH THE POTABLE WATER MAIN OR RECLAIMED WATER MAIN CROSSING OVER THE FORCE MAIN.

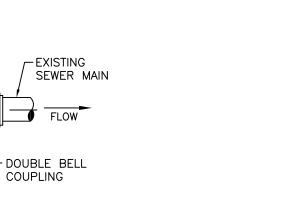
> STANDARD WATER AND SEWER SEPARATION DETAIL (COFTL DETAIL NO. 402) N.T.S.



1. CONCRETE COLLAR IS NOT REQUIRED IN PAVED AREAS IF PAVEMENT SURFACE IS FINISHED PRIOR TO CONDITIONAL FINAL INSPECTION. SHALL BE REQUIRED TO BRING OPERATING NUT 24"-30" BELOW FINISHED GRADE.

STEEL CENTERING PLATE SHALL ALSO BE REQUIRED. VALVE BOXES SHALL HAVE LOCKING COVERS MARKED "SEWER" OR "WATER". 3. EXTENSION RISER TO BE D.I.P. 4. AT DEAD END OR WHERE MAIN LINES CHANGE DIRECTION, VALVES SHALL

EXTENSION BOLTS & NUTS SHALL BE 316 STAINLESS STEEL. A 316 STAINLESS



NEW LATERAL ON EXISTING GRAVITY WASTEWATER MAIN (COFTL DETAIL NO. 210)

N.T.S.

LIMITS OF PROPOSED WYE

DOUBLE BEL

COUPLING -

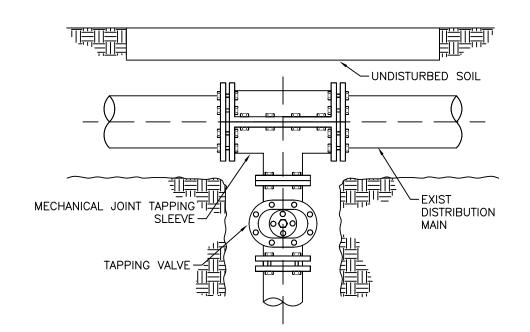
EXISTING

SEWER MAIN-

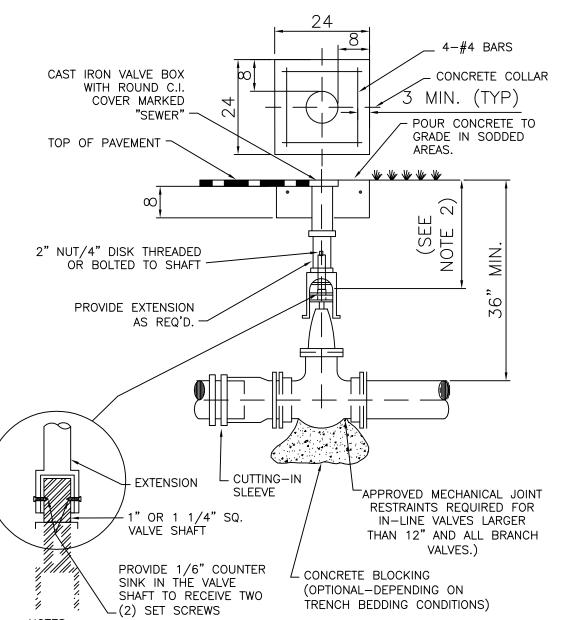
CONNECTION

- WASTEWATER

LATERAL



PLAN TAPPING TEE ASSEMBLY DETAIL (COFTL DETAIL NO. 405)

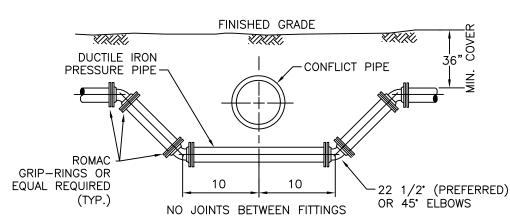


2. WHEN VALVE NUT IS DEEPER THAN 36" AN EXTENSION WITH UNIVERSAL JOINT

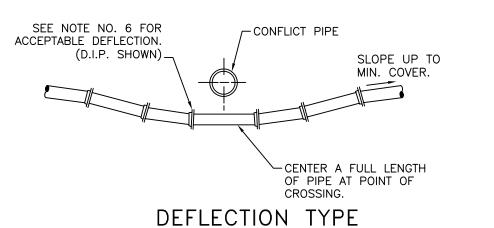
BE RESTRAINED USING MECHANICAL JOINT RESTRAINT.

TYPICAL VALVE DETAIL (COFTL DETAIL NO. 406)

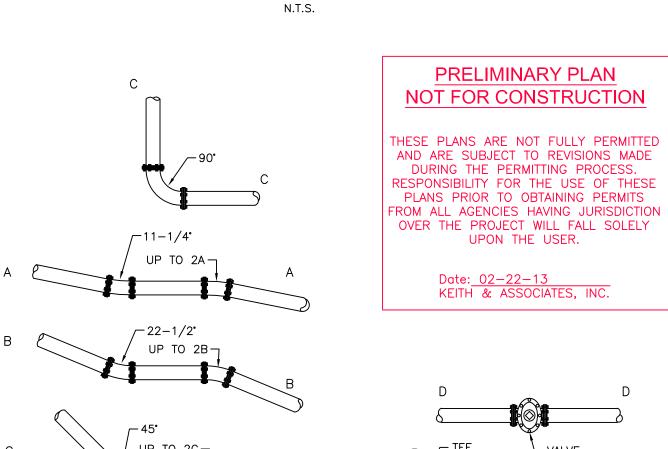
N.T.S.



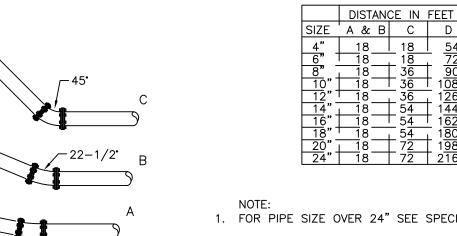
FITTING TYPE



PRESSURE PIPE CONFLICT DETAIL (COFTL DETAIL NO. 400)







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

DEAD ENDS

DEFLECTIONS

MINIMUM RESTRAINED JOINT LENGTH FOR PRESSURE MAINS (COFTL DETAIL NO. 409) N.T.S.

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SHEET NO.

- . THE LOCATION AND SIZE OF ALL EXISTING UTILITIES AND TOPOGRAPHY HAVE BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THIS INFORMATION IS NOT GUARANTEED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ANY EXISTING UTILITIES AND TOPOGRAPHY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL UTILITIES, ELECTRONIC METHODS AND BY HAND EXCAVATION. IN COORDINATION WITH ALL UTILITY COMPANIES, IOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- 2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL GIVE TIMELY NOTIFICATION TO ALL UTILITY COMPANIES WITH FACILITIES IN THE AREA.
- THE TOPOGRAPHIC SURVEY INCLUDED WITH THIS SET OF PLANS REFLECTS PREDEMOLITION CONDITIONS AND DOES NOT REFLECT THE SITE CONDITIONS AFTER DEMOLITION. THE CONTRACTOR IS FULLY AND SOLELY RESPONSIBLE IN DETERMINING THE REQUIRED EARTHWORK FOR THE PROPOSED DEVELOPMENT OF THE SITE. THIS INCLUDES, BUT IS NOT LIMITED TO, ANY EXCAVATION/DREDGE AND FILL ACTIVITIES REQUIRED AT ANY PHASE OF THE PROJECT. THE CONTRACTOR SHALL USE THE FINAL APPROVED (RELEASED FOR CONSTRUCTION) PLANS, SURVEYS, GEOTECHNICAL REPORTS, AND ANY OTHER AVAILABLE INFORMATION FOR DETERMINING THE AMOUNT OF EXCAVATION/DREDGING AND FILLING REQUIRED. ANY QUANTITIES INCLUDED IN THE APPROVED PERMITS WERE ESTIMATED BY THE ENGINEER FOR PURPOSES OF OBTAINING THE PERMIT AND UNDER NO CIRCUMSTANCES SHALL BE USED BY THE CONTRACTOR IN LIEU OF PERFORMING THEIR OWN EARTHWORK CALCULATIONS REQUIRED FOR COST ESTIMATING AND BIDDING THE PROJECT.
- THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR READING AND FAMILIARIZING THEMSELVES WITH ANY AND ALL AVAILABLE GEOTECHNICAL REPORTS PREPARED BY OTHERS AND/OR ANY RECOMMENDATIONS WRITTEN OR IMPLIED BY THE GEOTECHNICAL ENGINEER FOR THIS PROJECT. THE GEOTECHNICAL CONDITIONS AND RECOMMENDATIONS OUTLINED IN THESE REPORTS ARE IN FORCE AND IN FULL EFFECT AS PART OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL THE WORK ASSOCIATED WITH THIS PROJECT IS IN COMPLIANCE WITH THE GEOTECHNICAL ENGINEERS RECOMMENDATIONS. KEITH AND ASSOCIATES, INC. IS NOT RESPONSIBLE FOR THE SUITABILITY OR UNSUITABILITY OF THE SOILS ENCOUNTERED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE MEANS AND METHODS OF CONSTRUCTION USED CAN AND WILL ALLOW FOR THE SUCCESFUL COMPLETION OF THE REQUIRED SITE IMPROVEMENTS.
- THE CONTRACTOR SHALL ENSURE THAT THE AVAILABLE GEOTECHNICAL INFORMATION IS SUFFICIENT FOR HIS COMPLETE UNDERSTANDING OF THE SOIL CONDITIONS FOR THE SITE. IF ADDITIONAL GEOTECHNICAL INVESTIGATION IS REQUIRED BY THE CONTRACTOR, THIS ADDITIONAL WORK SHALL CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWEI HOWEVER, IF THE CONTRACTOR CONSIDERS A CHANGE ORDER IS REQUIRED IT SHALL BE SUBMITTED TO THE OWNER AND/OR ENGINEER. THE OWNER AND/OR ENGINEER WILL AT THEIR OWN DISCRETION REVIEW AND APPROVE THE CHANGE ORDER, UNLESS THE WORK IS CONSIDERED INCIDENTAL TO THE SUCCESSFUL COMPLETION OF THE PROJECT.
- 6. THE CONTRACTOR AND/OR CONTRACTOR'S SURVEYOR SHALL VERIFY ALL SITE GEOMETRY SHOWN AND/OR REFERENCED IN THE ENGINEERING PLANS BY PREPARING A GEOMETRIC CONTROL PLAN PRIOR TO STAKE-OUT. IF AND WHEN DISCREPANCIES ARE ENCOUNTERED THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY

APPLICABLE CODES

- A. GENERAL
- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY OF FORT LAUDERDALE, BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT (BCEPD), BROWARD COUNTY HEALTH DEPARMENT (BCHRS), SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD). FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AND ALL OTHER LOCAL AND NATIONAL CODES WHERE APPLICABLE.
- B. CONSTRUCTION SAFETY
- LL CONSTRUCTION SHALL BE DONE IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- C. TRENCH SAFETY ACT
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF FLORIDA TRENCH SAFETY ACT.
- - 1. ALL ELEVATIONS ON THE PLANS OR REFERENCED IN THE SPECIFICATIONS ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD).
- 2. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO SAFEGUARD ALL EXISTING STRUCTURES, UTILITIES, AND SURVEY MARKERS.

II. PRECONSTRUCTION RESPONSIBILITIES

- UPON RECEIPT OF NOTICE OF AWARD AND PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL ARRANGE A PRECONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, ALL AFFECTED UTILITY OWNERS, THE ENGINEER AND CONTRACTOR.
- THE CONTRACTOR SHALL ORTAIN A SLINSHINE STATE ONE CALL CERTIFICATION NUMBER AT (800) 638-4097 AT LEAST 48 HOURS PRIOR TO BEGINNING ANY **FXCAVATION**
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES FOR WHICH HE FAILS TO REQUEST LOCATIONS FROM THE UTILITY HE IS RESPONSIBLE AS WELL FOR DAMAGE TO ANY EXISTING UTILITIES WHICH ARE PROPERLY LOCATED.
- CONTRACTOR MUST RETURN THE AREA IMPACTED BY PROPOSED IMPROVEMENTS PRE-CONSTRUCTION CONDITIONS INCLUDING ALL LANDSCAPE, IRRIGATION, PAVEMENT MARKINGS, CURB AND GUTTER, DRIVEWAYS, AND PAVÉMENT.
- CONTRACTOR TO SUBMIT MAINTENANCE OF TRAFFIC PLAN(S) IN ACCORDANCE WITH FDOT AND BROWARD COUNTY REQUIREMENTS, AND SUBMIT FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION.

III. INSPECTIONS A. THE CONTRACTOR SHALL NOTIFY THE CITY OF FORT LAUDERDALE. BROWARD

- COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT (BCEPD), BROWARD COUNTY WATER AND WASTEWATER SERVICES (BCWWS) AND THE ENGINEER OF ECORD AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO THE INSPECTION OF THE FOLLOWING ITEMS: 1. STORM DRAINAGE
- 2. SANITARY SEWER
- WATER SYSTEM
- 4. SUBGRADE SUBMIT AND HAVE APPROVED DENSITIES PRIOR 5. LIMEROCK BASE - SUBMIT AND HAVE APPROVED DENSITIES
- AND AS-BUILTS PRIOR TO THE PLACEMENT OF ANY ASPHALT. CONCRETE FLATWORK/CURBING
- ASPHALTIC CONCRETE 8. FINAL INSPECTION
- B. FINAL INSPECTION/WALK THROUGH MUST BE CONDUCTED AND ALL PUNCH LIST ITEMS MUST BE COMPLETED AND APPROVED PRIOR TO THE APPROVAL

IV. SHOP DRAWINGS

PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE CITY OF FORT LAUDERDALE AND THE ENGINEER OF RECORD FOR THE ITEMS LISTED BELOW BUT NOT BE LIMITED TO:

<u>DRAINAGE</u>	<u>WATER</u>	<u>SEWER</u>
1. STRUCTURES: CATCH BASINS MANHOLES HEADWALLS 2. GRATES/TOPS 3. YARD DRAINS	1. FIRE HYDRANTS 2. VALVES 3. BACK FLOW PREVENTOR 4. DDCV 5. METER BOX	1. MANHOLES 2. LIFT STATION: WETWELL HATCHES VALVES PUMP DATA ELECTRICAL PANEL
		LLLCTRICAL FAIREL

CATALOGUE LITERATURE SHALL BE SUBMITTED FOR DRAINAGE, WATER AND SEWER PIPES, FITTINGS, AND APPURTENANCES.

- PRIOR TO SUBMITTING SHOP DRAWINGS TO THE ENGINEER, THE CONTRACTOR SHALL REVIEW AND APPROVE THE DRAWINGS, AND SHALL NOTE IN RED ANY DEVIATIONS FROM THE ENGINEER'S PLANS OR SPECIFICATIONS
- INDIVIDUAL SHOP DRAWINGS FOR ALL PRECAST STRUCTURES ARE REQUIRED CATALOGUE LITERATURE WILL NOT BE ACCEPTED FOR PRECAST STRUCTURES.

V. TEMPORARY FACILITIES

A. TEMPORARY UTILITIES

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE. SANITARY FACILITIES AND ELECTRICITY TO HIS EMPLOYEES AND SUBCONTRACTORS FOR THEIR USE DURING CONSTRUCTION.

- B. TRAFFIC REGULATION
- ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY
- DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALI BE MAINTAINED IN A NEAT AND CLEAN MANNER. UPON FINAL CLEAN UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. PAVED AREAS SHALL BE SWEPT BROOM CLEAN TO THE DIRECTION OF

OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.

D. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHAL BE REMOVED, SATISFACTORILY DISPOSED OF DURING PROGRESS OF THE WORK. ND THE ARÉA KEPT IN A CLEAN AND NEAT CONDITION TO THE DIRECTION OF THE ENGINEER.

VI. SIGNING AND MARKING

- A. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- B. REFLECTIVE PAVEMENT MARKERS SHALL BE CLASS B MARKERS MANUFACTURED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 706 AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED PROCEDURES.
- C. ALL MARKINGS WITHIN R/W SHALL BE THERMOPLASTIC. ALL ON-SITE MARKINGS SHALL BE PAINT EXCEPT 24" SOLID WHITE STOP BARS WHICH SHALL BE THERMOPLASTIC.

VII. PROJECT CLOSEOUT

A. CLEANING UP

- THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY THE ENGINEER OR CITY OF FORT LAUDERDALE, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS WORK, EQUIPMENT, EMPLOYEES OR THOSE OF HIS SUBCONTRACTORS TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS. TO THIS END, THE CONTRACTOR SHALL DO AS REQUIRED ALL NECESSARY HIGHWAY OR DRIVEWAY, WALK AND LANDSCAPING WORK, SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.
- B. PROJECT RECORD DOCUMENTS
 - 1. THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE RECORDS OF WORK ITEMS COMPLETED.
- 2. PRIOR TO THE PLACEMENT OF ANY ASPHALT OR CONCRETE PAVEMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER "AS-BUILT" PLANS SHOWING LIMEROCK BASE GRADES, AND ALL DRAINAGE, WATER, AND SEWER MPROVEMENTS. PAVING OPERATIONS SHALL NOT COMMENCE UNTIL THE ENGINEER AND THE APPROVING AGENCY HAS REVIEWED / APPROVED THE "AS-BUII TS"
- 3. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR SUBGRADE SHALL BE PROVIDED TO THE ENGINEER AND/OR THE CITY OF FORT LAUDERDALE PRIOR TO PLACING LIMEROCK BASE MATERIAL.
- 4. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR LIMEROCK BASE SHALL PROVIDED TO THE ENGINEER AND/OR THE CITY OF FORT LAUDERDALE PRIOR TO PLACING ASPHALT.
- 5. ALL "AS-BUILT" INFORMATION SUBMITTED TO THE ENGINEER SHALL FIRST BE REVIEWED BY THE CONTRACTOR TO ASSURE THEY ARE SUFFICIENTLY ACCURATE, CLEAR AND LEGIBLE TO SATISFY THE ENGINEER THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE IMPROVEMENTS
- 6. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD ONE COMPLETE SET OF "AS-BUILT CONSTRUCTION DRAWINGS AND A DIGITAL COPY. THESE DRAWINGS SHALL BE MADE TO SHOW "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONED LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS AND SHALL BE SIGNED AND SEALED BY A REGISTERED LAND SURVEYOR.
- 7. ALL "AS-BUILT" INFORMATION ON ELEVATIONS OF WATER, SANITARY SEWAGE, PAVING, AND DRAINAGE SHALL BE CERTIFIED BY A REGISTERED LAND SURVEYOR.
- 8. AS-BUILT DRAWINGS ARE TO REPRESENT ACTUAL FIELD CONSTRUCTION OF THE IMPROVEMENTS. THEY ARE TO BE SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR ALONG WITH THE PROPER CERTIFICATION STATEMENT (FURTHER DESCRIBED BELOW). THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE FIRM OF THE CERTYFING SURVEYOR ALONG WITH THE OWNER/DEVELOPER WILL ALSO BE INCLUDED.
- 9. THE AS-BUILT DRAWINGS ARE TO INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING INFORMATION:
- "AS-BUILT" IN LARGE BOLD LETTERS.
- APPLICABLE SCALES: PLANS, PROFILES, DETAILS.
- LOCATION SKETCH AND NORTH ARROW. SPECIFY SECTION, TOWNSHIP, AND
- IDENTIFY RIGHT-OF-WAY LINES AND CLEARLY SHOW PROPERTY BOUNDARY LINES. GIVE THE NAMES OF STREETS AND PUBLIC RIGHTS-OF-WAY ALONG WITH WIDTHS OF PROPOSED STREETS.
- LOCATION AND ELEVATION OF BENCH MARKS AND SOURCE.
- IDENTIFY SECTION LINES/REFERENCE POINTS.
- LOCATION OF BUILDING LINES, ADDRESS OF BUILDING(S) (BUILDING NUMBER) AND LOT/BLOCK OF EACH UNIT. SHOW BUILDING FINISH FLOOR ELEVATIONS. - FULLY IDENTIFY ALL EASEMENTS WITH THEIR WIDTHS AS SHOWN ON THE APPROVED DESIGN DRAWINGS. CLEARLY SHOW ALL UTILITIES TO BE COVERED BY AN EASEMENT AND VERIFY THEY ARE WITHIN THE REQUIRED EASEMENT.
- ALL PLANNED INSTALLATIONS PER THE APPROVED DESIGN DRAWINGS SHALL BE SHOWN ON THE AS-BUILT DRAWINGS, INCLUDING THE BUILDINGS, STORM DRAINAGE, OTHER UTILITIES, ASPHALT ROADWAYS, CONCRETE WALKS, ETC.
- ANY CHANGES TO THE PLANNED INSTALLATIONS MADE DURING CONSTRUCTION MUST BE SHOWN ON THE AS-BUILT DRAWINGS.
- DISTANCES FROM RIGHT-OF-WAY LINES TO UTILITIES.
- SERVICE LINES TO BE LOCATED AT MAIN AND TERMINUS.
- TYPE OF PIPE SIZE AND MATERIAL. - METER SIZE AND LOCATION.
- UNLESS INSTRUCTED BY THE ENGINEER OR UTILITY PROVIDER, THE WATER AND SEWER SYSTEM WILL BE LOCATED WITH STATION AND OFFSET FROM A BASELINE USING THE MANHOLES OF THE SEWER SYSTEM AS THE BASELINE. IF IT IS NOT PRACTICAL TO UTILIZE THE SEWER SYSTEM MANHOLES AS A BASELINE THEN THE SURVEYOR WILL CONTACT THE ENGINEER OF RECORD SO THAT A SUBSITUTE BASELINE MAY BE CHOSEN.
- ELEVATIONS OF THE WATER SYSTEM WILL BE TAKEN AND SHOWN AT THE: A. TOP OF PIPE EVERY 100 FEET AND AT ALL DEFLECTION POINTS OR
 - CHANGES IN DIRECTION. B. TOP OF ALL FITTINGS INCLUDING THE BENDS, TEES, GATE VALVES, BACKFLOW PREVENTORS, DDCV, FIRE HYDRANTS, ETC.
- TIE-INS TO EXISTING LINES D. THE ENDS OF ALL WATER SERVICES TO THE BUILDING OR HOMES OR
- WHERE THE WATER LINE TERMINATES. - ELEVATIONS OF THE SEWER SYSTEM WILL BE TAKEN AND SHOWN AT: A. ALL STRUCTURES TO INCLUDE THE RIM AND INVERTS
- B. THE STUB ENDS OF ALL SEWER LATERALS INCLUDING THE INVERTS OF ALL CLEANOUTS.

- THE LENGTH, SIZE, MATERIAL AND SLOPE OF ALL SEWER MAINS WILL BE

- DRAINAGE STRUCTURES SHALL SHOW THE RIM/GRATE ELEVATION AND INVERTS OF ALL PIPES. PIPE INFORMATION WILL INCLUDE THE SIZE, MATERIAL AND LENGTH AND IF ITS PERFORATED OR NON-PERFORATED

THE LENGTH AND WIDTH WILL ALSO BE SHOWN FOR ANY ADJOINING

EXFILTRATION TRENCH. - ROADWAY ELEVATIONS WILL BE SHOWN AT THE CROWN, EDGE OF PAVEMENT, HIGH AND LOW POINTS, AND RIGHT OF WAY LINE AT 100' (MAX.) OR FRACTION THEREOF AND AT EVERY LOCATION ON THE APPROVED DESIGN DRAWINGS SHOWN WITH AN FLEVATION. IF THE AS-BUILT ROADWAY ELEVATIONS SHOWN WERE NOT TAKEN ON FINISH ASPHALT OR CONCRETE, A NOTE WILL BE BOLDLY SHOWN INDICATING WHAT STAGE OF CONSTRUCTION THE ELEVATIONS WERE TAKEN, (SUCH AS FINISH ROCK, FIRST LIFT OF ASPHALT, ETC.)

- LAKE, POND, CANAL, AND/OR WATERWAYS SHALL BE CROSS-SECTIONED AT 100 FOOT (MAX.) INTERVALS OR FRACTIONS THEREOF. THE CROSS SECTION SHALL BE REFERENCED TO A PROPERTY LINE OR EASEMENT LINE IF POSSIBLE OR PRACTICAL. ELEVATIONS WILL BE SHOWN AT THE TOP OF BANK, EDGE OF WATER, PLANTED WETLAND VEGETATION, SLOPE BREAKPOINT(S), AND BOTTOM. THE DESIGN TEMPLATE SHALL BE SHOWN SUPERIMPOSED ON EACH SECTION.
- PERIMETER BERMS SHALL BE CROSS-SECTIONED AT 100 FOOT (MAX.) INTERVALS OR FRACTIONS THEREOF. THE CROSS SECTION SHALL BE REFERENCED TO THE PROPERTY LINE WITH ELEVATIONS SHOWN AT THE TOP OF BERM, PROPERTY LINE, AND TOE OF BERM.
- DRAINAGE SWALES SHALL HAVE FLOWLINE ELEVATIONS SHOWN AT 100 FOOT (MAX.) INTERVALS OR FRACTION THEREOF.
- DRY RETENTION AREAS SHALL SHOW TOP AND BOTTOM ELEVATIONS AT 100 FOOT (MAX.) GRID POINTS OR FRACTION THEREOF.
- IDENTIFY PRIVATE SYSTEMS SUCH AS LIFT STATIONS, SEWER, WATER AND DRAINAGE LINES AND FORCE MAINS, NOT MAINTAINED BY THE CITY OF FORT
- LAUDERDALE OR UTILITY PROVIDERS. - LOCATE AND IDENTIFY ANY ABANDONED UTILITY LINES.
- THE FOLLOWING CERTIFICATION STATEMENT SHALL APPEAR ON ALL AS-BUILT SUBMITTALS: SURVEYOR'S CERTIFICATION:
- I HEREBY CERTIFY THAT THE AS-BUILT MEASUREMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS SURVEYED IN THE FIELD UNDER MY DIRECTION ON ______,
- _____, P.L.S. # ______ "RECORD DRAWING
- THE INFORMATION SHOWN ON THIS RECORD DRAWING WAS SUPPLIED BY: REGISTERED LAND SURVEYOR # IN THE STATE OF FLORIDA. THE ENGINEER'S SIGNATAURE AND SEAL AFFIXED TO THIS DRAWING IS ONLY TO BE INTERPRETED TO CONFIRM THAT THE INFORMATION PROVIDED HAS BEEN REVIEWED FOR CONFORMANCE WITH ALL APPLICABLE ENGINEERING

VIII. STORM DRAINAGE

DESIGN STANDARDS

- CONTRACTOR MAY UTILIZE ONE OF THE FOLLOWING MATERIALS ON A SIZE
- 1. ALUMINUM (CAP) a. PIPE SHALL BE ALUMINUM, MANUFACTURED IN CONFORMANCE WITH ASTM B-209.
- b. PIPE SHALL BE SPIRAL RIB DRAINAGE PIPE WITH 4"X4 RIBS, APPROXIMATELY 7-1/2" ON CENTER. GAUGE THICKNESS SHALL MEET FDOT STANDARD 945-1. c. PIPE COUPLING BANDS SHALL BE 12" WIDE (MIN.) STANDARD SPLIT
- BANDS OF THE SAME ALLOY AS THE PIPE AND MAY BE ONE GAUGE LIGHTER THAN THE PIPE.
- d. POLYURETHANE OR OTHER SEALANT SHALL BE USED WITH COUPLING BANDS ON ALL PIPE.
- 2. REINFORCED CONCRETE (RCP) a. CONCRETE PIPE FOR STORM SEWERS SHALL CONFORM TO ASTM C76 (AASHTO M170) OR LATEST REVISION; CLASS 1 OR AS SHOWN ON PLANS ALL PIPE SHALL HAVE MODIFIED TONGUE AND GROOVE JOINTS, AND HAVE RUBBER GASKETS, UNLESS OTHERWISE SPECIFIED.
- 3. HIGH DENSITY POLYETHYLENE (HDPE) CORRUGATED AND SMOOTH 4. BEDDING AND INITIAL BACKFILL OVER DRAINAGE PIPE SHALL BE SAND WITH NO ROCK LARGER THAN 1" DIAMETER
- 5. BACKFILL MATERIAL UNDER PAVED AREAS SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
- 6. BACKFILL MATERIAL UNDER AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180. 7. CATCH BASINS SHALL BE PRECAST WITH 3,000 PSI (MIN.) CONCRETE

STRENGTH (28 DAY COMPRESSIVE STRENGTH) WITH GRADE 40 REINFORCING

- 8 TRENCH WINTH SHALL RE SLIFELGIENT TO ENSURE WORKING ROOM TO PROPERLY AND SAFELY PLACE AND COMPACT HAUNCHING AND OTHER
- BACKFILL MATERIALS. 9. FOUNDATION AND BEDDING SHALL MEET THE REQUIREMENTS OF AASHTO M 145, A-1, A-2-4. A-2-5, A-3, OR AS REQUIRED BY THE CITY OF FORT LAUDERDALE. A STABLE AND UNIFORM BEDDING SHALL BE PROVIDED FOR THE PIPE AND ANY PROTRUDING FEATURES OF ITS JOINT AND/OR
- 10. STRUCTURAL BACKFILL SHALL ALSO MEET THE REQUIREMENTS OF AASHTO M 145, A-1, A-2-4, A-2-5, A-3, OR AS REQUIRED BY THE CITY OF FORT LAUDERDALE.

IX. PAVING

A. GENERAL

- 1. ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO TI CONSTRUCTION OF THE LIMEROCK BASE AND PRIOR TO THE PLACEMENT THE PAVEMENT
- 2. ALL STREET CORNER PAVEMENT RADII SHALL BE 35 FEET UNLESS OTHERWISE NOTED ON THE PLANS.
- B. MATERIALS 1. LIMEROCK BASE MATERIAL SHALL HAVE A MINIMUM OF 70% CARBONATES (CALCIUM AND MAGNESIUM) WITH A MINIMUM LBR OF 100.
- 2. PRIME COAT AND TACK COAT SHALL MEET FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARDS.
- 3. ASPHALTIC CONCRETE SHALL BE EQUAL TO FDOT TYPE S-III AND A MINIMUM OF 1 1/2" COMPACTED THICKNESS, PLACED IN TWO (2) 3/4"

INSTALLATION

X. UTILITY OWNERS

D. AT&T DISTRIBUTION

B. FLORIDA POWER AND LIGHT

- · LIMEROCK BASE MATERIAL SHALL BE 8" THICK AND SHALL BE COMPACTED TO 98% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY AASHTO T-180, PLACED IN TWO OR MORE EQUAL LIFTS, AND SHALL HAVE A MINIMUM OF 70% CARBONATES (CALCIUM AND MAGNESIUM) WITH A
- 2. 12" STABILIZED SUBGRADE, MINIMUM LBR 40, COMPACTED TO 98% MAXIMUM DRY DENSITY PER AASHTO T-180.
- 3. PRIME COAT SHALL BE PLACED ON ALL FINAL COURSE LIMEROCK BASES IN ACCORDANCE WITH FDOT STANDARDS.
- 4. TACK COAT SHALL BE PLACED AS REQUIRED IN ACCORDANCE WITH FDOT
- 5. ALL PAVED AREAS SHALL BE DEMUCKED. REMOVE ALL SOIL OF TYPE A-5, A-7, AND A-8.
- 6. REPLACE MUCK IN SWALE AND RETENTION AREAS WITH CLEAN FILL. USE 2" TOPSOIL AND SOD.
 - ALL SUBGRADE, LIMEROCK AND ASPHALT TESTS REQUIRED SHALL BE TAKEN AT THE DIRECTION OF THE ENGINEER.

PRELIMINARY PLAN

A. CITY OF FORT LAUDERDALE (954) 828-7421 (305) 442-5966 HESE PLANS ARE NOT FULLY PERMITTED C. TECO PEOPLES GAS COMPANY (954) 453-0824 AND ARE SUBJECT TO REVISIONS MADE DURING THE PERMITTING PROCESS. RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

NOT FOR CONSTRUCTION

Date: 02-22-13 KEITH & ASSOCIATES, INC.

- GENERAL SPECIFICATIONS FOR SEWER SYSTEMS 1. PVC FOR FORCE MAINS (8" MAX. SIZE) SHALL CONFORM TO ANSI/AWWA C900-97 AND C902-88 AND HAVE A DR OF 18 FOR CLASS 150 AND A DR
- 2. DIP SHALL BE EPOXY-LINED AND SEAL COATED IN ACCORDANCE WITH ANSI/AWWA C151/A21.51-02 AND C104/A21.4-95. PRESSURE CLASS 350 FOR PIPE 4" THRU 24" IN DIAMETER.

OF 14 FOR CLASS 200.

C104/A21.4-95.

3. FITTINGS FOR FORCE MAINS SHALL BE CAST IRON OR DUCTILE IRON, MECHANICAL JOINT, MEETING ANSI/AWWA C110/A21.10-98 AND EPOXY-LINED

AND SEALCOATED PER ANSI/AWWA C151/A21.51-02 AND ANSI/AWWA

- 4. VALVES 4" AND LARGER SHALL BE RESILIENT SEAT WITH NON-RISING STEM AND COMPLY WITH ANSI/AWWA C509-01.
- THE MINIMUM DEPTH OF COVER FROM TOP OF PIPE TO FINISH GRADE IS 36" FOR PVC AND 30" FOR DIP.
- 6. ALL INSTALLATION AND TESTING SHALL COMPLY WITH ANSI/AWWA C600-99.

7. MAXIMUM FORCE MAIN PIPE DEFLECTION IS 75% OF MANUFACTURER'S MAXIMUM

- 8. FORCE MAINS, FITTINGS AND VALVES SHALL BE TESTED UNDER AN AVERAGE PRESSURE GREATER THAN 150 PSI FOR A MINIMUM PERIOD OF 2 HOURS AND SHALL NOT EXCEED THE LEAKAGE PER THE FOLLOWING FORMULA:
 - $Q = LD (P)^{1/2}$ 148,000
 - = ALLOWABLE LEAKAGE IN GALLONS PER HOUR = TOTAL LENGTH OF PIPE TESTED IN FEET = DIAMETER OF THE PIPE TESTED IN INCHES
- GRAVITY LINES SHALL BE LAMPED TO DETERMINE ALIGNMENT AND TIGHTNESS OF THE JOINTS AND TESTED FOR INFILTRATION/EXFILTRATION. ALL TESTING SHALL BE WITNESSED BY THE BCWWS, ENGINEER AND OWNERS REPRESENTATIVE.

AVERAGE TEST PRESSURE IN POUNDS PER SQUARE INCH

- 10. LEAKAGE TESTS ARE SPECIFIED REQUIRING THAT: 1) THE LEAKAGE EXFILTRATION OR INFILTRATION DOES NOT EXCEED 200 GALLONS PER INCH OF PIPE DIAMFTER PER MILE PER DAY FOR ANY SECTION OF THE SYSTEM: 2) EXFILTRATION OR INFILTRATION TESTS BE PERFORMED WITH A MINIMÚM POSITIVE HEAD OF 2 FEET; AND 3) AIR TESTS, AS A MINIMUM, CONFORM TO THE TEST PROCEDURE DESCRIBED IN ASTM C-828 FOR CLAY PIPE. ASTM C 924 FOR CONCRETE PIPE, ASTM F-1417 FOR PLASTIC PIPE, AND FOR OTHER MATERIALS APPROPRIATE TEST PROCEDURES. THE ALLOWABLE LIMITS OF INFILTRATION OR EXFILTRATION OF MANHOLES SHALL NOT EXCEED A RATE OF 4 GALLONS PER MANHOLE PER 24 HOURS.
- 11. APPROPRIATE GRAVITY SEWER DEFLECTION TESTS ARE SPECIFIED FOR AL FLEXIBLE PIPE. TESTING IS REQUIRED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS TO PERMIT STABILIZATION OF THE SOIL—PIPE SYSTEM. TESTING REQUIREMENTS SPECIFY: 1) NO PIPE SHALL EXCEED A DEFLECTION OF 5%; 2) USING A RIGID BALL OR MANDREL FOR THE DEFLECTION TEST WITH A DIAMETER NOT LESS THAN 95% OF THE BASE INSIDE DIAMETER OR AVERAGE INSIDE DIAMETER OF THE PIPE, DEPENDING ON WHICH IS SPECIFIED IN THE ASTM SPECIFICATIONS, INCLUDING THE APPENDIX, TO WHICH THE PIPE IS MANUFACTURED; AND 3) PERFORMING THE TEST WITHOUT MECHANICAL PULLING DEVICES.
- 12. PRECAST CONCRETE STRUCTURES SHALL BEAR THE STAMP OF A CERTIFIED ENGINEERING TESTING LABORATORY, SIGNED AND DATED, CERTIFYING THAT TIMEET THE REQUIREMENTS OF ASTM C-478 FOR CONCRETE STRENGTH, STE REINFORCEMENT AREA AND PLACEMENT. STRUCTURES MUST BE INSPECTED BY HE CITY PRIOR TO INSTALLATION.
- 13. CONCRETE FOR PRECAST STRUCTURES OR CAST—IN—PLACE STRUCTURES SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. CEMENT USED IN STRUCTURES SHALL BE TYPE II.
- 14. MINIMUM WALL/BASE THICKNESS FOR PRECAST STRUCTURES SHALL BE 8 15. REINFORCING STEEL FOR STRUCTURES SHALL CONFORM TO THE REQUIREMENTS
- OF ASTM A-615 AND A-305. SPLICES SHALL HAVE A MINIMUM LAP OF 24 BAR DIAMETERS. MINIMUM COVER OVER REINFORCEMENT SHALL BE 2 INCHES. 16. OPENINGS IN PRECAST STRUCTURES SHALL BE CAST AT THE TIME OF
- 17. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS (PIPE, PRECAST STRUCTURE, ETC.) TO THE ENGINEER OF RECORD, THE CITY FOR APPROVAL.
- 18. ALL STRUCTURES SHALL BE SET PLUMB TO LINE AND GRADE AND REST ON A FIRM SUBGRADE, PROVIDING UNIFORM BEARING UNDER THE BASE. 19. MANHOLE SECTIONS SHALL BE JOINED WITH A MASTIC COMPOUND PRODUCING A WATERTIGHT SEAL. THE REMAINING SPACE SHALL BE FILLED WITH CEMENT MORTAR AND FINISHED SO AS TO PRODUCE A SMOOTH CONTINUOUS SURFACE
- 20. ALL SPACES AROUND PIPES ENTERING OR LEAVING MANHOLES SHALL BE

INSIDE AND OUTSIDE THE WALL SECTION.

- COMPLETELY FILLED WITH NON-SHRINKING GROUT. 21. ALL GRAVITY SEWER PIPE SHALL BE PVC OR DIP. PVC PIPE SHALL CONFORM TO ASTM D-3034, SDR 35 (UNLESS OTHERWISE SPECIFIED), WITH PUSH-ON RUBBER GASKET JOINTS. DIP SHALL CONFORM TO THE SPECIFICATIONS FOR
- 22. PVC LINES ENTERING OR LEAVING STRUCTURES SHALL HAVE MANHOLE
- ADAPTER COUPLINGS PER CITY OF FORT LAUDERDALE. 23. CONNECTIONS TO EXISTING MAINS, AND OPENING/CLOSING OF EXISTING VALVES SHALL BE MADE UNDER THE DIRECTION AND/OR SUPERVISION OF
- THE UTILITIES DEPARTMENT. 24. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF FORT LAUDERDALE "MINIMUM DESIGN AND CONSTRUCTION STANDARDS" AND
- APPLICABLE CODES. 25. TWO COATS OF KOPPERS 300M OR APPROVED EQUAL SHALL BE APPLIED TO THE OUTSIDE AND TWO COATS OF SEWPER COAT OR APPROVED EQUAL TO THE INSIDE OF THE MANHOLES (MINIMUM 10 MILS. THICK PER COAT).
- 26. DUCTILE IRON SEWER PIPE FOR GRAVITY MAINS SHALL BE PRESSURE CLASS 350 EPOXY-LINED. 27. CLEANOUTS SHALL BE INSTALLED AT ALL SEWER SERVICES EXCEEDING 75' IN LENGTH (EVERY 75' MAX.) WITH A CLEANOUT AT THE PROPERTY LINE, EASEMENT LINE, OR 5' FROM BUILDING. THE CONTRACTOR SHALL COORDINATE
- ELEVATION OF THE END OF THE SEWER SERVICE WITH THE BUILDING PLUMBING CONTRACTOR. 28. ALL SEWER MAINS AND SERVICES, UP TO AND INCLUDING THE END OF THE SERVICE, SHALL BE CONSTRUCTED WITHIN UTILITY EASEMENTS AS SPECIFIED
- 29. THE ENTIRE SYSTEM SHALL BE CLEANED PRIOR TO LAMPING OF THE LINES. 30. THE CONTRACTOR, AT NO EXPENSE TO THE OWNER, CITY OR COUNTY, SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS AND SHALL CONDUCT ALL

THE LOCATION THE BUILDING CLEANOUT (5' FROM THE BUILDING) AND

TESTING REQUIRED, UNDER THE DIRECTION OF THE ENGINEER. 31. LABORATORY AND FIELD DENSITY TESTS, WHICH, IN THE OPINION, OF THE ENGINEER ARE NECESSARY TO ESTABLISH COMPLIANCE WITH THE COMPACTION REQUIREMENTS OF THESE SPECIFICATIONS, SHALL BE CONDUCTED AT THE EXPENSE OF THE DEVELOPER. TESTS SHALL BE MADE AT SUCH DEPTHS AND

LOCATIONS AS SELECTED BY THE ENGINEER

AS INDICATED BY SUCH TESTS, SHALL BE REWORKED AND RECOMPACTED UNTIL THE REQUIRED COMPACTION IS ACHEIVED, WITH ANY RESULTING COST BORNE BY THE CONTRACTOR. 33. AFTER ALL OTHER TESTING HAS BEEN SUCCESSFULLY COMPLETED, A TELEVISION INSPECTION OF ANY OR ALL LINES SHALL BE MADE. ANY DEFECTIVE WORK OR

NECESSARY CORRECTIONS BROUGHT OUT DURING THIS INSPECTION MUST BE

CORRECTED BY THE CONTRACTOR. AT HIS EXPENSE. BEFORE THE LINES CAN

BE ACCEPTED FOR MAINTENANCE BY THE OWNER/CITY. ALL MUD, SAND, DEBRIS

32. TRENCH BACKFILL WHICH DOES NOT COMPLY WITH THE SPECIFIED DENSITIES.

WATER AND SEWER SEPARATION NOTES

AND OTHER DEPOSITS SHALL BE REMOVED BY APPROVED METHODS.

SANITARY SEWERS AND FORCE MAINS SHOULD CROSS UNDER WATER MAINS WHENEVER POSSIBLE. SANITARY SEWERS AND FORCE MAINS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 12 INCHES BETWEEN THE BOTTOM OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE WHENEVER POSSIBLE. WHERE SANITARY SEWERS AND FORCE MAINS MUST CROSS A WATER MAIN

WITH LESS THAN 12 INCHES OF VERTICAL DISTANCE, BOTH THE SEWER/FORCE MAIN AND THE WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) AT THE CROSSING. SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 6 FEET BETWEEN ANY TWO JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 6 INCHES MUST BE MAINTAINED AT ALL CROSSINGS

- ALL CROSSINGS SHALL BE ARRANGED SO THAT THE SEWER PIPE JOINTS AND THE WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING (PIPE CENTERED ON THE CROSSING). WHERE A NEW PIPE CONFLICTS WITH AN EXISTING PIPE WITH LESS THAN 12 INCHES VERTICAL CLEARANCE, THE NEW PIPE SHALL BE ARRANGED TO MEET THE CROSSING REQUIREMENTS ABOVE.
- 2. A MINIMUM 6 FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ANY TYPE OF SEWER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE.
- IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 6 FOOT HORIZONTAL SEPARATION, THE WATER MAIN MUST BE LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SEWER OR FORCE MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE THE TOP OF THE SEWER/FORCE MAIN. WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF 12 INCHES IN PARALLEL INSTALLATIONS, THE WATER MAIN SHALL BE CONSTRUCTED OF DIP AND THE SANITARY SEWER OR THE FORCE MAIN SHALL BE CONSTRUCTED OF DIP WITH A MINIMUM VERTICAL DISTANCE OF 6 INCHES. THE WATER MAIN SHOULD ALWAYS BE ABOVE THE SEWER. JOINTS ON THE WATER MAIN SHALL BE LOCATED AS FAR APART AS POSSIBLE FROM JOINTS ON THE SEWER OR FORCE MAIN (STAGGERED
- 3. ALL DIP SHALL BE PRESSURE CLASS 350 (4" THRU 24"). ADEQUATE PROTECTIVE MEASURES AGAINST CORROSION SHALL BE USED.

GENERAL SPECIFICATIONS FOR WATER SYSTEMS

- 1. PIPE SHALL BE PVC C-900, CLASS 150 (OR APPROVED EQUIVALENT) AND CONFORM TO ANSI/AWWA C900-07 AND C902-88 (LATEST REVISION). DUCTILE IRON PIPE SHALL CONFORM TO THE REQUIREMENTS OF AWWA C-151 ANSI STANDARD A21.51-02 (LATEST REVISION) W/ 4" TO 24" BEING OF PRESSURE CLASS 350 AND 30" TO 64" BEING OF PRESSURE CLASS 250.
- FITTINGS SHALL BE DUCTILE IRON, MECHANICAL JOINT, OR EQUIVALENT, MEETING ANSI/AWWA C110/A21.10-03 AND CEMENT-LINED AND SEAL-COATED PER ANSI/AWWA C151/A21.51-02 AND ANSI/AWWA C104/A21.4-03
- VALVES 4" AND LARGER SHALL BE RESILIENT SEAT WITH NON-RISING STEM AND COMPLY WITH ANSI/AWWA C509-01.
- PVC AND 30" FOR DIP. ALL PIPE, FITTINGS AND VALVES SHALL BE TESTED UNDER AN AVERAGE PRESSURE GREATER THAN 150 PSI FOR A MINIMUM PERIOD OF 2 HOURS AND SHALL NOT EXCEED THE LEAKAGE PER THE FOLLOWING FORMULA:

4. THE MINIMUM DEPTH FROM TOP OF PIPE TO FINISHED GRADE IS 36" FOR

 $Q = LD (P)^{1/2}$ 148,000 Q = ALLOWABLE LEAKAGE IN GALLONS PER HOUR

ALLOWABLE DEFLECTION.

L = TOTAL LENGTH OF PIPE TESTED IN FEET

D = DIAMETER OF THE PIPE TESTED IN INCHES P = AVERAGE TEST PRESSURE IN POUNDS PER SQUARE INCH 6. ALL INSTALLATION AND TESTING SHALL COMPLY WITH ANSI/AWWA C600-05.

ALL FIRE HYDRANTS SHALL BE OF THE DRY-BARREL TYPE AND SHALL

- 7. DISINFECTION SHALL COMPLY WITH ANSI/AWWA C651-05. MAXIMUM PIPE/JOINT DEFLECTION AT 75% OF MANUFACTURER'S MAXIUM
 - CONFORM IN DESIGN, MATERIAL AND WORKMANSHIP TO AWWA C502-05 HYDRANTS SHALL HAVE A FIVE AND ONE-QUARTER INCH MAIN VALVE OPENING AND A THREE-WAY NOZZLE ARRANGEMENT. THE DEPTH OF BURY, MEASURED FROM THE BOTTOM OF THE CONNECTING

PIPE TO THE GROUND LINE OF THE HYDRANT SHALL BE THREE FEET SIX

- INCHES (MINIMUM). EXACT DEPTH AT EACH LOCATION SHALL BE DETERMINED BY DEPTH OF LINE TO WHICH THE HYDRANT IS CONNECTED. TWO - 2 1/2 INCH HOSE NOZZLES AND ONE - 4 1/2 INCH PUMP NOZZLE CONNECTION THREADS SHALL CONFORM TO NFPA NO. 194 (ANSI B26) STANDARD FOR SCREW THREADS AND GASKETS FOR FIRE HOSE
- HYDRANTS SHALL BE SUPPLIED WITH ACCESSORIES TO INCLUDE MECHANICAL JOINT FOLLOWER RINGS WITH SETSCREWS AND AT LEAST ONE ADJUSTABLE HYDRANT WRENCH WITH SPANNER INCLUDED WITH EVERY TEN HYDRANTS SUPPLIED. BARREL EXTENSION SECTIONS SHALL NOT BE ALLOWED ON NEW FIRE HYDRANTS, EXCEPT BY SPECIAL PERMISSION FROM THE UTILITY DEPARTMENT.
- MANUFACTURERS: MUELLER MODEL SUPER CENTURION 250 51/4" SIZE (REFERENCE CATALOG NO. A-423) AND AMERICAN-DARLING (MODEL B-62B AND B-84B, CLOW 2500) OR APPROVED EQUAL.
- PAINTING: COLOR TO BE SPECIFIED BY CITY AND/OR UTILITY PROVIDER. THE OUTSIDE OF THE HYDRANT ABOVE FINISHED GRADE SHALL BE THOROUGHLY CLEANED USING A COMMERCIAL GRADE SAND BLASTING TO BARE METAL AND PRIMED WITH RUST-OLEUM No. 1060 HEAVY DUTY RUST INHIBITIVE PAVEMENT REFLECTORS:
- PAVEMENT BY AN EPOXY ADHESIVE. REFLECTORS ARE 4" x 4" x 3/4" AND REFLECTIVE IN TWO DIRECTIONS: REFLECTORS SHALL BE AFFIXED TO THE PAVEMENT OPPOSITE EACH FIRE HYDRANT IN THE CENTER OF THE TRAFFIC LANE DIRECTLY IN FRONT OF AND IN THE CLOSEST TRAFFIC LANE TO THE HYDRANT.

ONE BI-DIRECTIONAL BLUE TRAFFIC REFLECTOR SHALL BE AFFIXED TO THE

- THERE SHALL BE NO SHRUBBERY PLANTED WITHIN 6 FEET OF ANY FIRE HYDRANT
- 10. NO ALLOWABLE LEAKAGE FOR FIRE HYDRANTS. 11. CONNECTIONS TO EXISTING MAINS, OPENING/CLOSING OF EXISTING VALVES SHALL BE MADE UNDER THE DIRECTION AND/OR SUPERVISION OF THE
- UTILITIES DEPARTMENT. 12. ALL WATER SERVICES SHALL BE CONSTRUCTED TO WITHIN 5' OF THE

BUILDING OR TO THE PROPERTY LINE, UNLESS OTHERWISE SHOWN.

- 13. THE ENTIRE SYSTEM SHALL BE FLUSHED AND SHALL BE CLEAN PRIOR TO DISINFECTION PROCEDURES. 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING THE APPROPRIATE MEANS TO ISOLATE ALL NEW WATER MAIN CONSTRUCTION FROM EXISTING MAINS
- UNTIL ALL TESTING OF THE NEW MAINS HAS BEEN SATISFACTORILY COMPLETED AND ACCEPTED. 15. FINAL INSPECTION MUST BE ARRANGED WITH THE ENGINEER BY WRITTEN
- NOTIFICATION A MINIMUM OF 48 HOURS IN ADVANCE. 16. ALL JOINTS TO BE RESTRAINED USING "MEGALUG" (OR APPROVED EQUAL) IN COMPLIANCE WITH ALL APPLICABLE AWWA STANDARDS.
- 17. ALL WORK SHALL COMPLY WITH THE TRENCH SAFETY PROGRAM 18. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS (PIPE, FITTINGS, FIRE HYDRANTS, ETC.) TO THE ENGINEER OF RECORD AND/OR THE CITY FOR APPROVAL.
- OF FORT LAUDERDALE "MINIMUM DESIGN AND CONSTRUCTION STANDARDS" AND OTHER APPLICABLE CODES.

19. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY

20. DEFLECT WATER MAINS AS NECESSARY TO AVOID CONFLICTS WITH OTHER 21. THE CONTRACTOR SHALL COORDINATE THE LOCATION AND ELEVATION OF THE

ENDS OF THE WATER SERVICES WITH THE BUILDING PLUMBING CONTRACTOR.

22. PIPE AND PIPE FITTINGS SHALL BE COLOR CODED OR MARKED IN ACCORDANCE WITH 62-555.320(21)(b)3, F.A.C., USING BLUE AS A PREDOMINANT COLOR.

IF ANY OF THE GENERAL NOTES LISTED ABOVE ARE IN CONFLICT WITH THE CITY OF FORT LAUDERDALE AND/OR BROWARD COUNTY,

CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH

THE CITY OF FORT LAUDERDALE MINIMUM DESIGN AND

CONSTRUCTION STANDARDS.

THE MORE STRINGENT STANDARD SHALL CONTROL

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