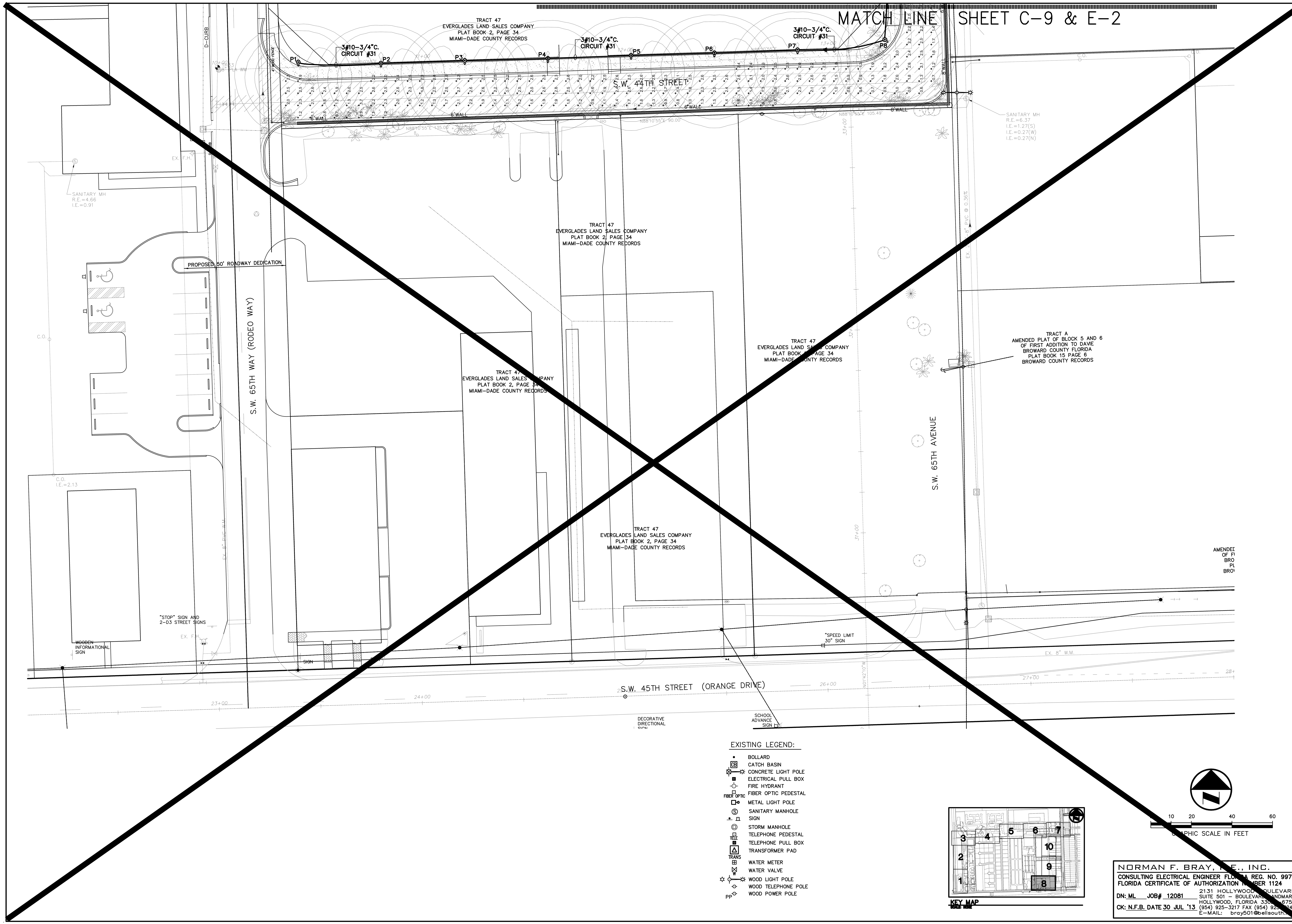
B.C.H.C.E.D. REF. # 120118060


MATCH LINE SHEET C-9 & E-2
TRACT 47
EVERGLADES LAND SALES COMPANY
PLAT BOOK 2, PAGE 34
MIAMI-DADE COUNTY RECORDS
3#10-3/4"C.
CIRCUIT #31
S.W. 44TH STREET
S.W. 65TH WAY (RODEO WAY)
PROPOSED 50' ROADWAY DEDICATION
SANITARY MH
R.E.=4.66
I.E.=0.91
TRACT A
AMENDED PLAT OF BLOCK 5 AND 6
OF FIRST ADDITION TO DAVIE
BROWARD COUNTY FLORIDA
PLAT BOOK 15 PAGE 6
BROWARD COUNTY RECORDS
S.W. 65TH AVENUE
S.W. 45TH STREET (ORANGE DRIVE)
"STOP" SIGN AND
2-D3 STREET SIGNS
WOODEN
INFORMATIONAL
SIGN
"SPEED LIMIT
30" SIGN
SCHOOL
ADVANCE
SIGN
DECORATIVE
DIRECTIONAL
EXISTING LEGEND:
BOLLARD
CATCH BASIN
CONCRETE LIGHT POLE
ELECTRICAL PULL BOX
FIRE HYDRANT
FIBER OPTIC PEDESTAL
METAL LIGHT POLE
SANITARY MANHOLE
SIGN
STORM MANHOLE
TELEPHONE PEDESTAL
TELEPHONE PULL BOX
TRANSFORMER PAD
WATER METER
WATER VALVE
WOOD LIGHT POLE
WOOD TELEPHONE POLE
WOOD POWER POLE
GRAPHIC SCALE IN FEET
KEY MAP

NORMAN F. BRAY, P.E., INC.
CONSULTING ELECTRICAL ENGINEER FLORIDA REG. NO. 9978
FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER 1124
2131 HOLLYWOOD BOULEVARD
SUITE 501 – BOULEVARD LANDMARK
HOLLYWOOD, FLORIDA 33020-6753
(954) 925-3217 FAX (954) 925-3247
E-MAIL: bray501@bellsouth.net

DN: ML JOB# 12081
CK: N.F.B. DATE 30 JUL '13

DATE:	7/30/13
SCALE:	1"=20'
DESIGN BY:	-
DRAWN BY:	-
CHECKED BY:	-
APPROVED BY:	

DATE:	BY:	DESCRIPTION:

CRAVEN · THOMPSON AND ASSOCIATES, INC.
ENGINEERS · PLANNERS · SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL.: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

ENGINEERING PLAN

Patrick J. Gibney
Florida P.E. No. 49428

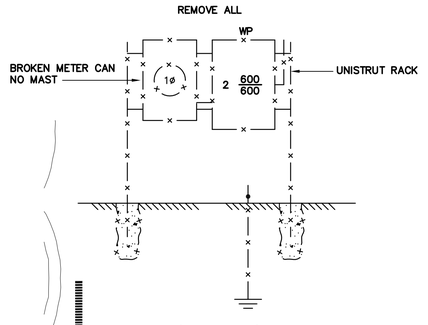
PROJECT NO.
09-0056-001-01

E-1

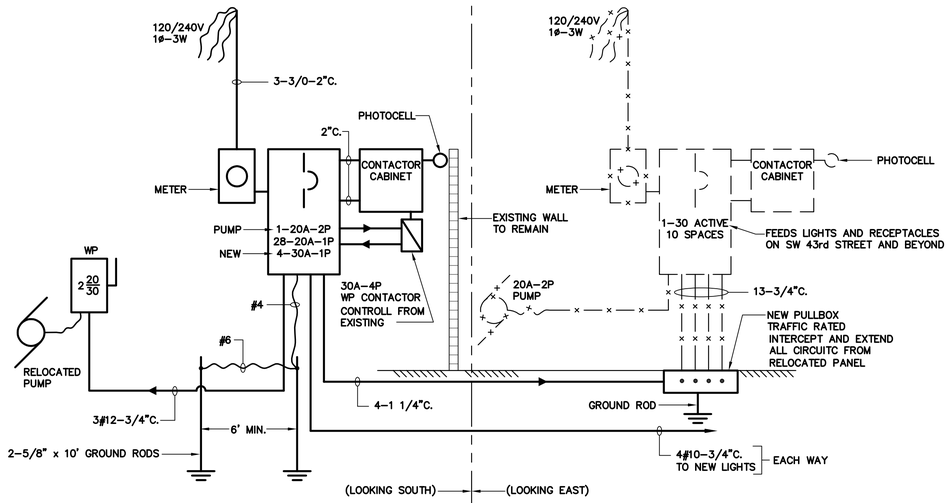
SHEET 1 OF 5

X: Max Drawings ACAD2012 Westside Lighting 12081E.dwg [E-1] Jul 30, 2013 2:51pm MAX LLEWELLYN

B.C.H.C.E.D. REF. # 120118060

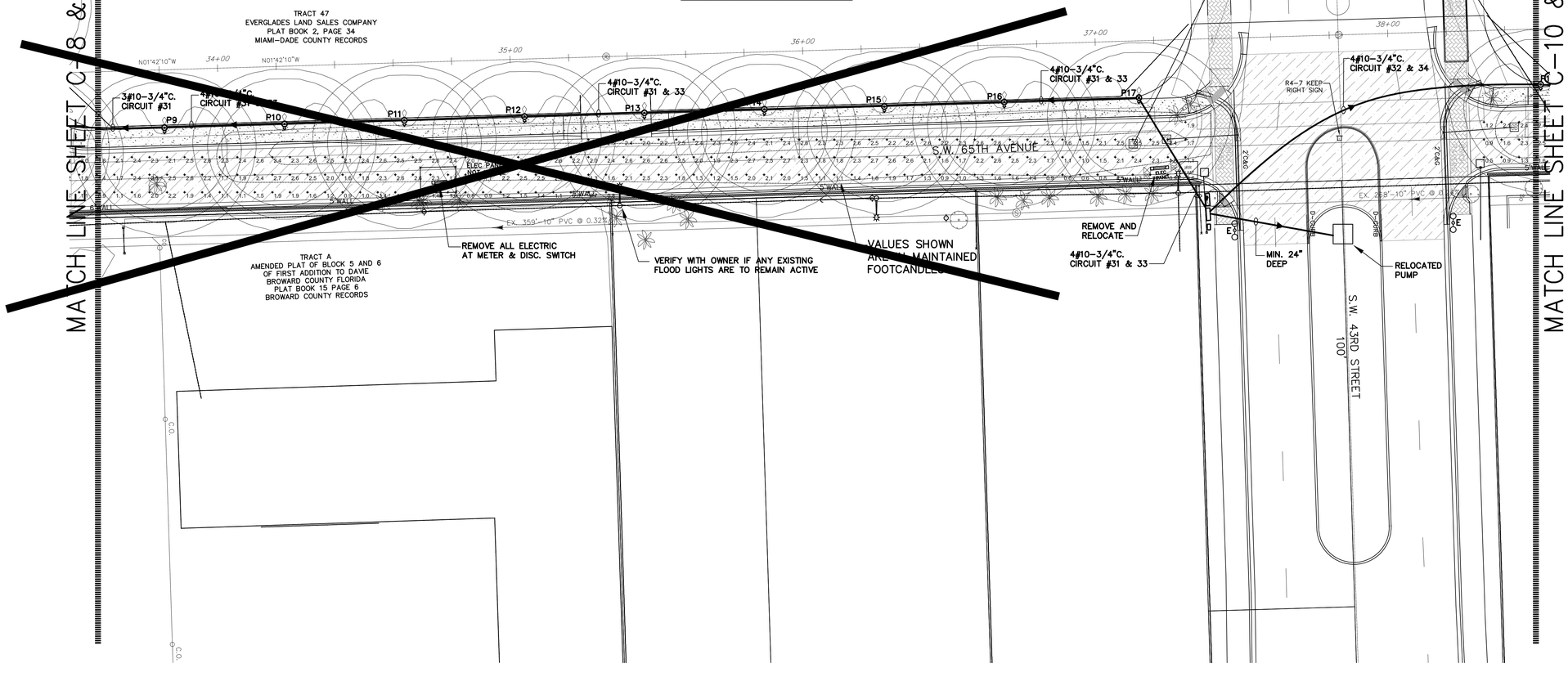


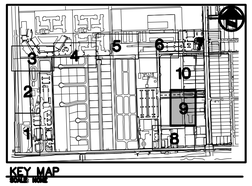
DETAIL



CIRCUIT #31	8 LIGHTS AT 175W	= 1400W
CIRCUIT #32	7 LIGHTS AT 175W	= 1225W
CIRCUIT #33	9 LIGHTS AT 175W	= 1575W
CIRCUIT #34	6 LIGHTS AT 175W	= 1050W
		5250 WATTS ADDED

RELOCATED SERVICE





KEY MAP
NORTH NOT TO SCALE

0 10 20 40 60
GRAPHIC SCALE IN FEET

EXISTING LEGEND:

- BOLLARD
- CB CATCH BASIN
- CONCRETE LIGHT POLE
- ELECTRICAL PULL BOX
- FIRE HYDRANT
- FIBER OPTIC PEDESTAL
- METAL LIGHT POLE
- S SANITARY MANHOLE
- SIGN
- STORM MANHOLE
- TEL TELEPHONE PEDESTAL
- TELEPHONE PULL BOX
- TRANS TRANSFORMER PAD
- W WATER METER
- WATER VALVE
- WOOD LIGHT POLE
- WOOD TELEPHONE POLE
- PP WOOD POWER POLE

DATE:	7/30/13
SCALE:	1"=20'
DESIGN BY:	-
DRAWN BY:	-
CHECKED BY:	-
APPROVED BY:	

DESCRIPTION:	DATE:	BY:

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FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

ENGINEERING PLAN

Patrick J. Gibney
Florida P.E. No. 49428

PROJECT NO.
09-0056-001-01

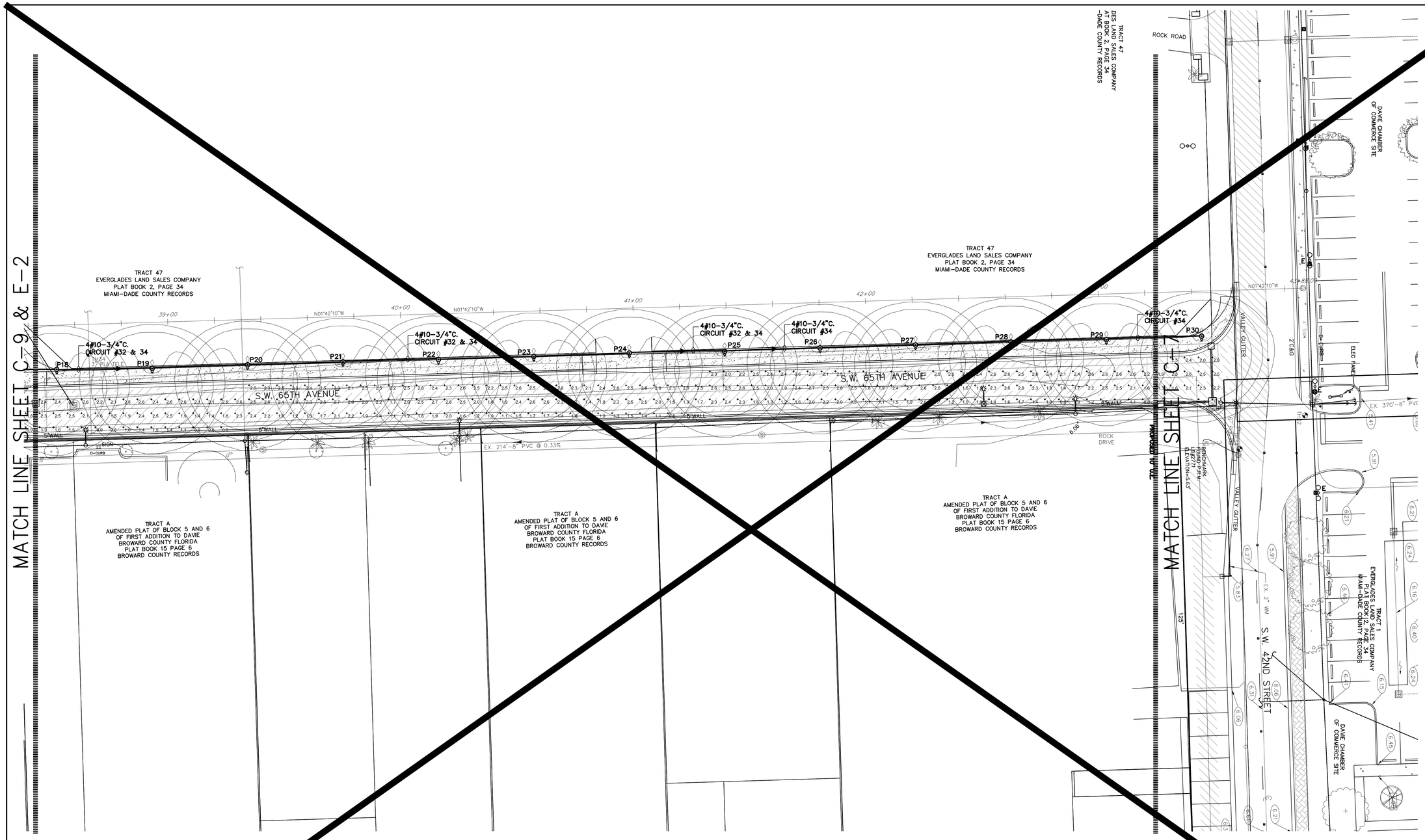
E-2

SHEET 2 OF 5

NORMAN F. BRAY, P.E., INC.
CONSULTING ELECTRICAL ENGINEER FLORIDA REG. NO. 9978
FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER 1124
DN: ML JOB# 12081
CK: N.F.B. DATE 30 JUL '13
2131 HOLLYWOOD BOULEVARD
SUITE 501 – BOULEVARD LANDMARK
HOLLYWOOD, FLORIDA 33020–6753
(954) 925–3217 FAX (954) 925–3247
E–MAIL: brays01@bellsouth.net

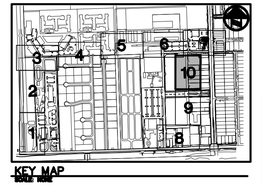
X: Max Drawings ACAD2012 Westside Lighting 12081E.dwg [E-2] Jul 30, 2013 2:49pm MAX LLEWELLYN

B.C.H.C.E.D. REF. # 120118060



EXISTING LEGEND:

- BOLLARD
- CATCH BASIN
- CONCRETE LIGHT POLE
- ELECTRICAL PULL BOX
- FIRE HYDRANT
- FIBER OPTIC PEDESTAL
- METAL LIGHT POLE
- SANITARY MANHOLE
- SIGN
- STORM MANHOLE
- TELEPHONE PEDESTAL
- TELEPHONE PULL BOX
- TRANSFORMER PAD
- WATER METER
- WATER VALVE
- WOOD LIGHT POLE
- WOOD TELEPHONE POLE
- WOOD POWER POLE



KEY MAP

10 20 40 60

GRAPHIC SCALE IN FEET

NORMAN F. BRAY, P.A. INC.
CONSULTING ELECTRICAL ENGINEER FLORIDA REG. NO. 9978
FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER 1124
DN: ML JOB# 12081
CK: N.F.B. DATE 30 JUL '13
2131 HOLLYWOOD BOULEVARD
SUITE 501 - BOULEVARD LANDMARK
HOLLYWOOD, FLORIDA 33020-4753
(954) 925-3217 FAX (954) 925-3218
E-MAIL: bray501@bellsouth.net

DATE:	7/30/13
SCALE:	1"=20'
DESIGN BY:	-
DRAWN BY:	-
CHECKED BY:	-
APPROVED BY:	

DESCRIPTION:	DATE:	BY:

CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL.: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

ENGINEERING PLAN

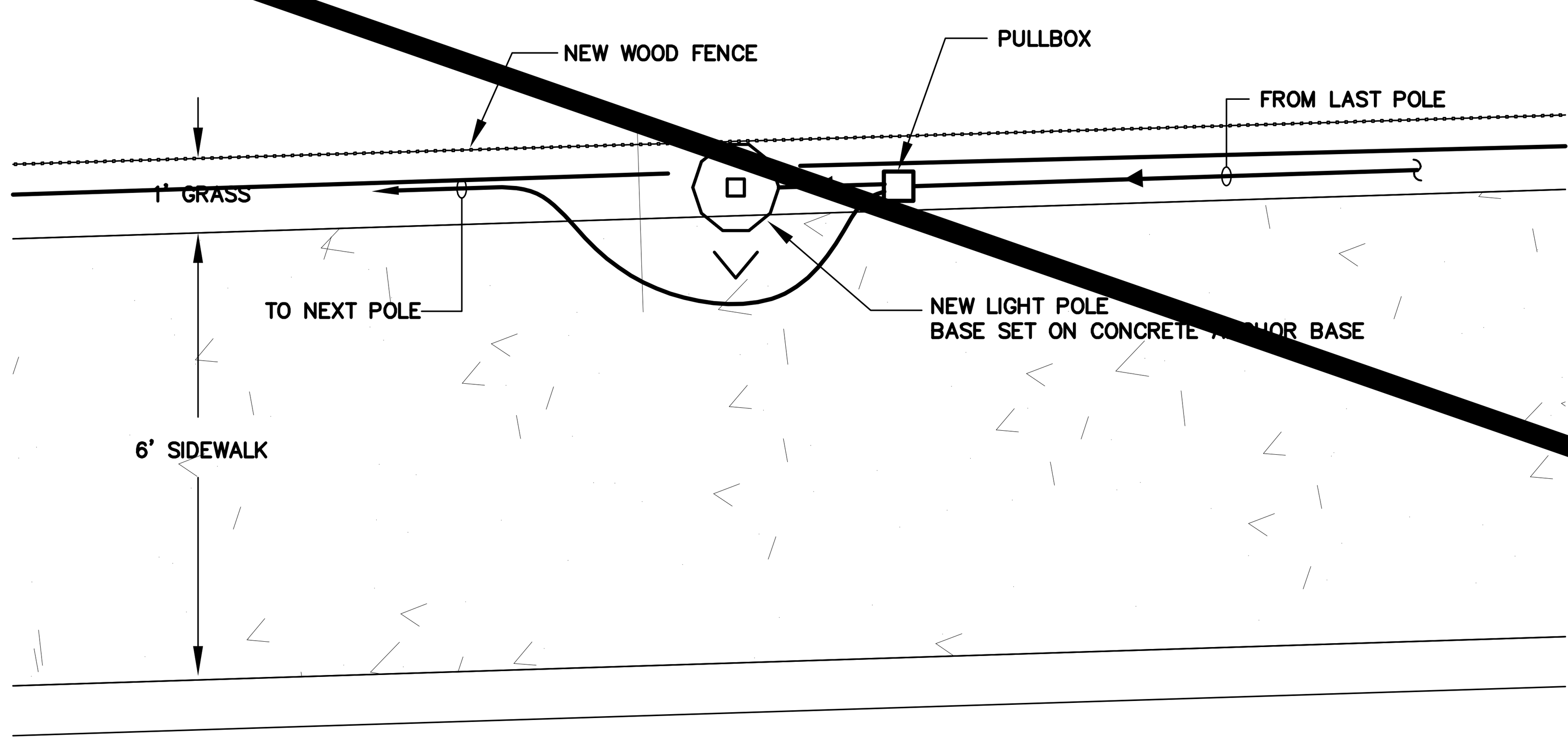
Patrick J. Gibney
Florida P.E. No. 49428

PROJECT NO.
09-0056-001-01

E-3

SHEET 3 OF 5

X: Max Drawings ACAD2012 Westside Lighting 12081E.dwg [E-3] Jul 30, 2013 2:47pm MAX LLEWELLYN



DETAIL

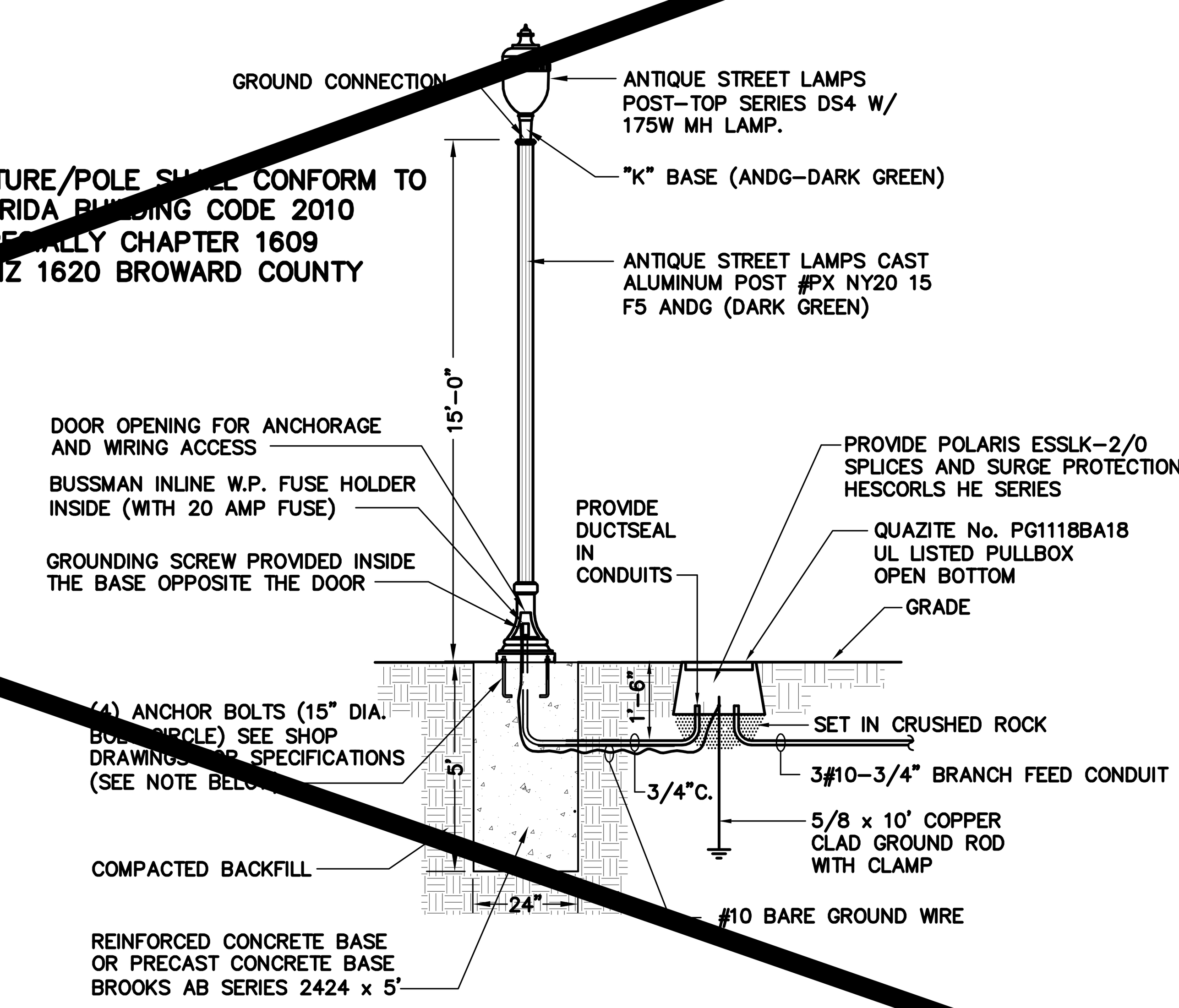
N.T.S.

NOTE:

ANTIQUE POST-TOP SERIES DS4 LUMINAIRE IS A CUTOFF FIXTURE WITH MINIMAL LIGHT CONTRIBUTION TO "LIGHT POLLUTION" OF THE NIGHT SKY.

NOTE:

FIXTURE/POLE SHALL CONFORM TO FLORIDA BUILDING CODE 2010 ESPECIALLY CHAPTER 1609 HVHZ 1620 BROWARD COUNTY



POLE LIGHT DETAIL

N.T.S.

LUMINAIRE SCHEDULE	PROGRAM: VISUAL - PROFESSIONAL EDITION								
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
	P	30	DS4 175M [illegible] 240 VOLT	PRISMATIC TYPE V GLOBE WITH CLEAR TEXTURED TOP AND TYPE 4 REFLECTOR	ONE 175-WATT PULSE START METAL HALIDE	[illegible] 175M_MED_SR4SC.[illegible]	12800	0.81	175

STATISTICS	(FC) = FOOTCANDLES					
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PARKING	+	1.9 fc	2.7 fc	0.5 fc	5.4:1	3.8:1

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO FLORIDA BUILDING CODE 2010
2. ALL WORK SHALL CONFORM TO NEC-2008
3. SITE LIGHTING SHALL BE INSTALLED AS SPECIFIED ON THIS DRAWING. NO FIXTURE SUBSTITUTION WILL BE ACCEPTED BY THIS OFFICE. THIS WILL ENABLE LIGHTING CERTIFICATION LETTER TO BE DONE BY OUR OFFICE.
4. IF ANY SITE LIGHTING SUBSTITUTION IS MADE, CERTIFICATION LETTER AND TEST FOR LIGHTING SHALL BE SIGNED AND SEALED BY AN INDEPENDENT PROFESSIONAL ENGINEER.

NORMAN F. BRAY, P.E., INC.
CONSULTING ELECTRICAL ENGINEER FLORIDA REG. NO. 9978
FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER 1124
2131 HOLLYWOOD BOULEVARD
SUITE 501 - BOULEVARD LANDMARK
HOLLYWOOD, FLORIDA 33020-6753
(954) 925-3217 FAX (954) 925-3247
E-MAIL: bray501@bellsouth.net

DN: ML JOB# 12081
CK: N.F.B. DATE 30 JUL '13

DATE:	7/30/13
SCALE:	N.T.S.
DESIGN BY:	–
DRAWN BY:	–
CHECKED BY:	–
APPROVED BY:	

DESCRIPTION:	BY:	DATE:

CRAVEN · THOMPSON AND ASSOCIATES, INC.
ENGINEERS · PLANNERS · SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL.: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

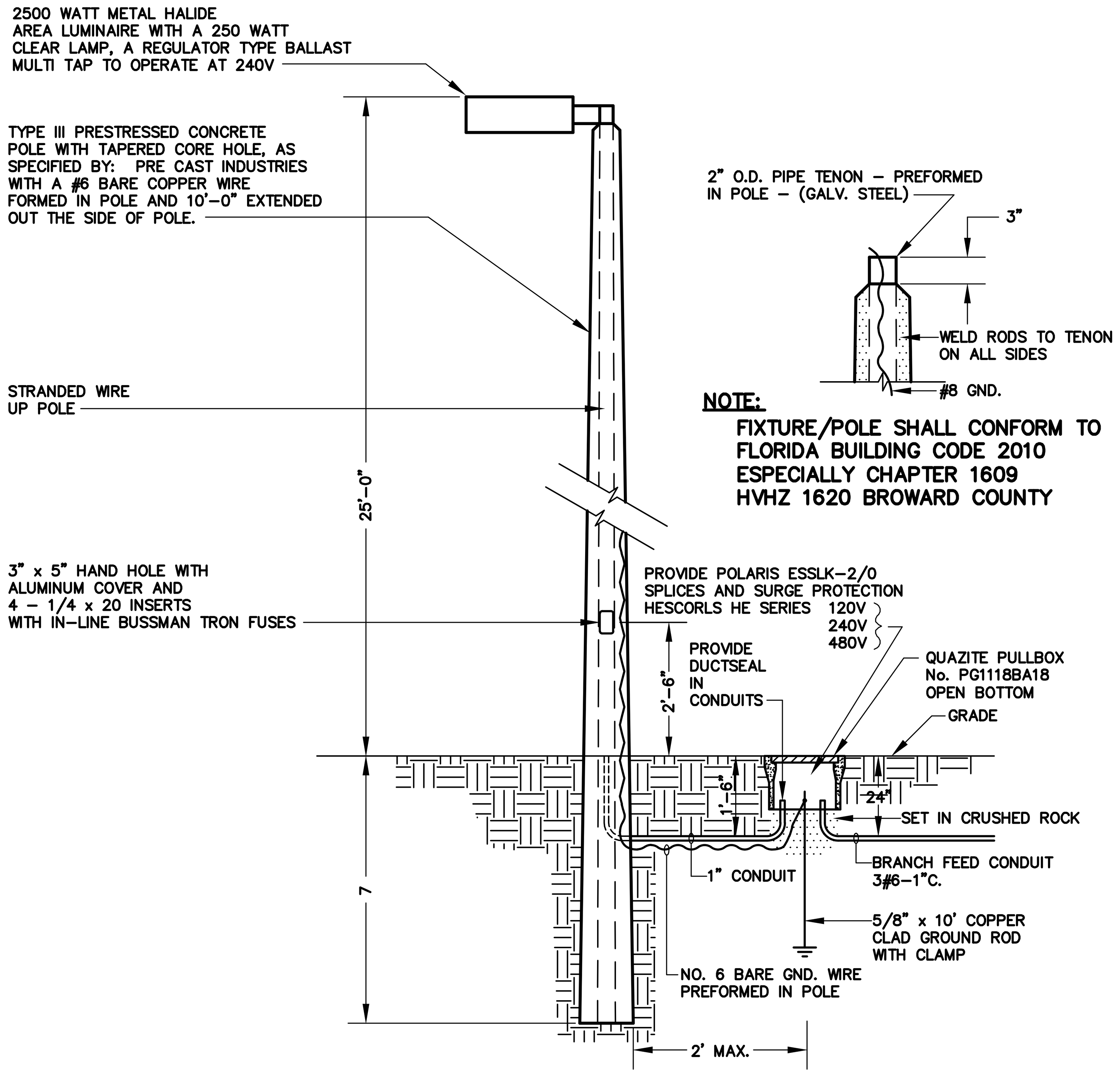
ELECTRICAL DETAILS

Patrick J. Gibney
Florida P.E. No. 49428

PROJECT NO.
09-0056-001-01

E-4

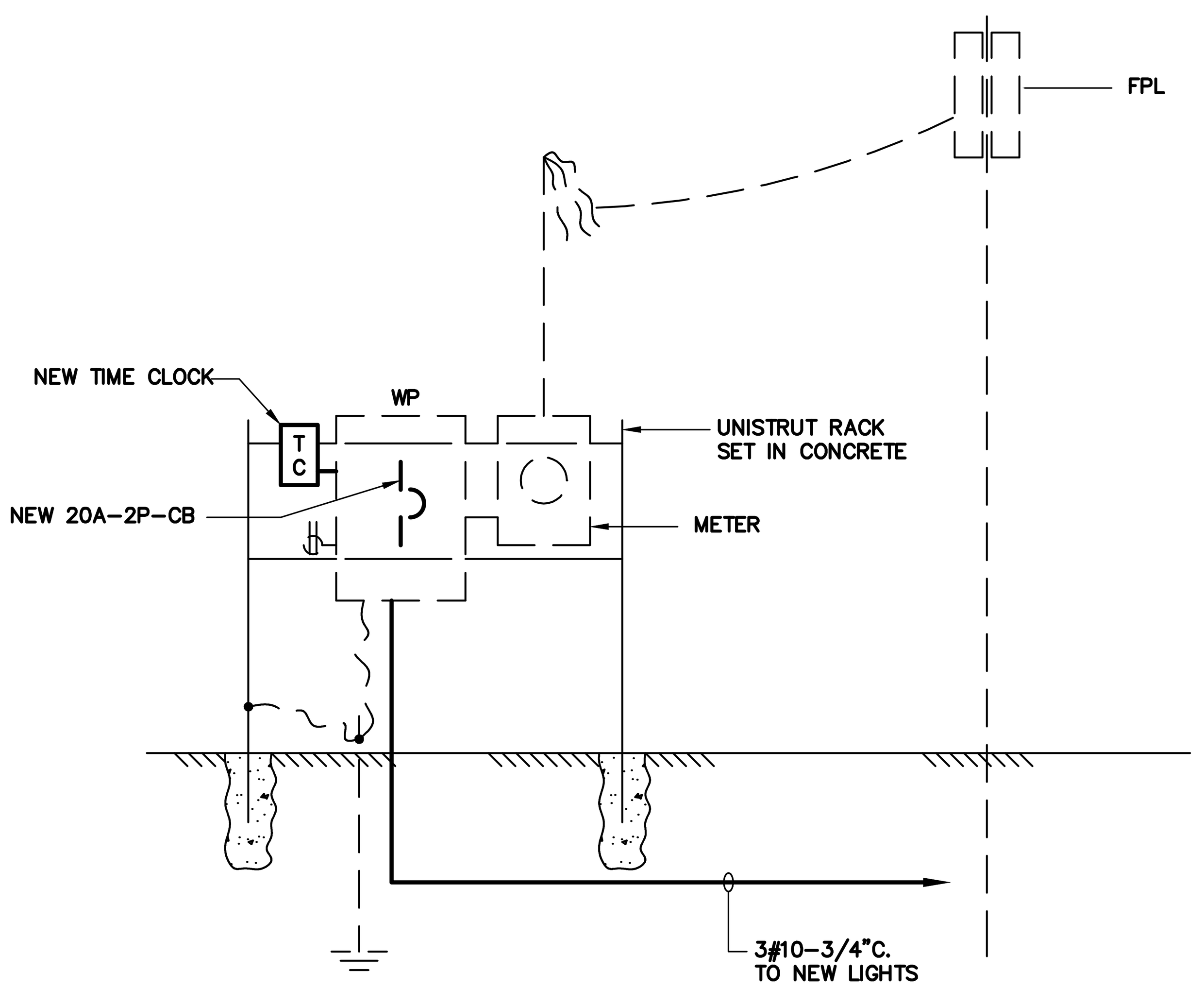
X: Max Drawings ACAD2012 Westside Lighting 12081E.dwg [E-4] Jul 30, 2013 2:50pm MAX LLEWELLYN



NOTE:
FIXTURE/POLE SHALL CONFORM TO FLORIDA BUILDING CODE 2010 ESPECIALLY CHAPTER 1609 HVHZ 1620 BROWARD COUNTY

TYPICAL LIGHT POLE DETAIL

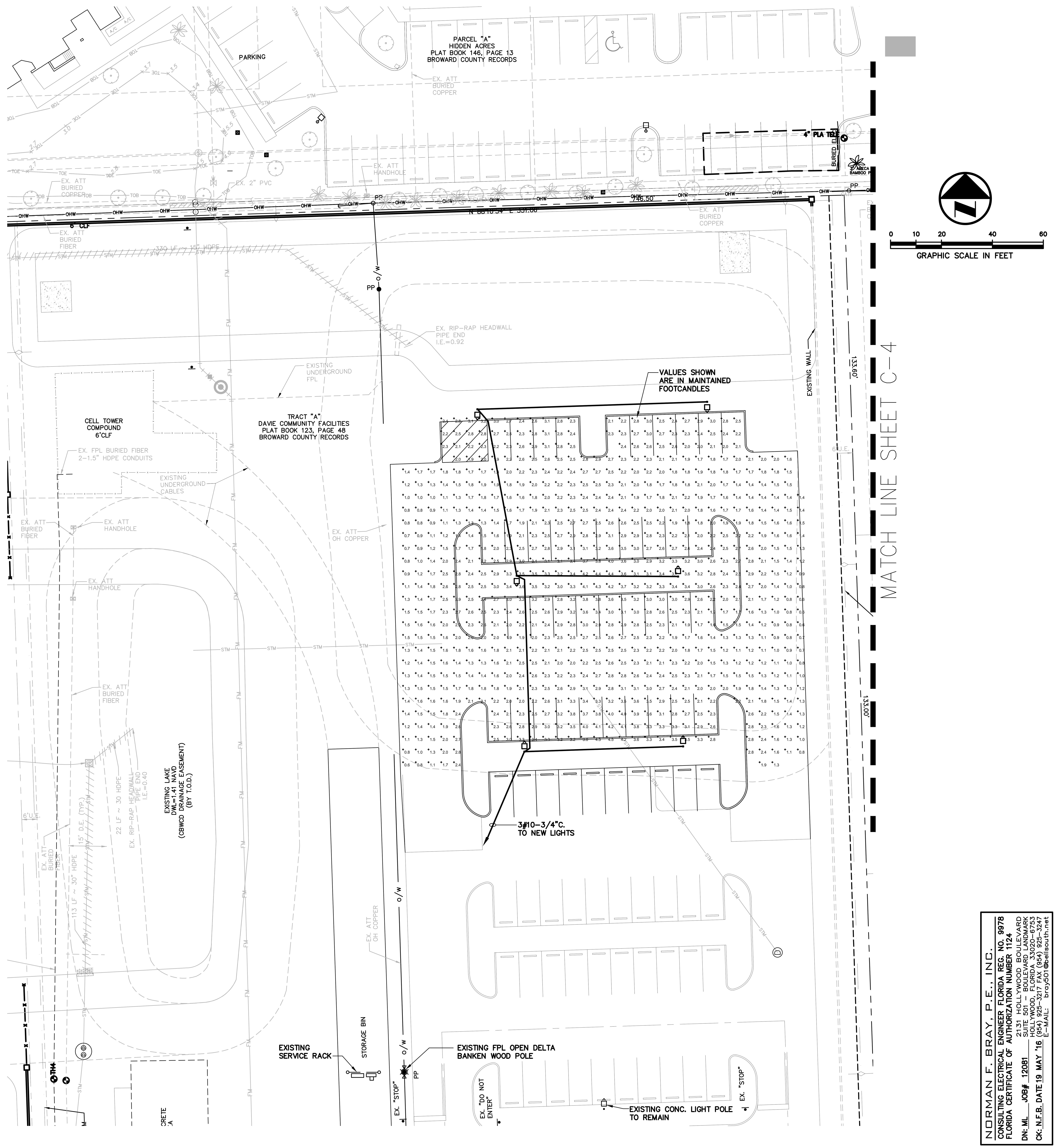
N.T.S.



EXISTING SERVICE RACK

LUMINAIRE SCHEDULE			PROGRAM: VISUAL - PROFESSIONAL EDITION						
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
	A	6	DABRITE ECA18-3H-250PSMH	CLEAR HORIZONTAL 250PSMH RATED FOR 22000 LUMENS	ONE 175-WATT PULSE START METAL HALIDE	ECA18-3H-250P.ies	22000	0.72	291

STATISTICS	(FC) = FOOTCANDLES					
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PARKING	+	2.2 fc	4.5 fc	0.6 fc	7.5:1	3.7:1



DATE:	5/19/16
SCALE:	1"=20'
DESIGN BY:	-
DRAWN BY:	-
CHECKED BY:	-
APPROVED BY:	-

DESCRIPTION: BY: DATE:

CRAVEN · THOMPSON AND ASSOCIATES, INC.
ENGINEERS · PLANNERS · SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 739-6400 FAX: (954) 739-6409
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. LC000014

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AGENCY

PARKING LOT LIGHTING PLAN

Patrick J. Gibney
Florida P.E. No. 49428

PROJECT NO.
09-0056-001-01

E-5

SHEET 5 OF 5

NORMAN F. BRAY, P.E., INC.
CONSULTING ELECTRICAL ENGINEER FLORIDA REG. NO. 9978
FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER 1124
2131 HOLLYWOOD BOULEVARD
SUITE 501 - BOULEVARD LANDMARK
HOLLYWOOD, FLORIDA 33020-6753
(954) 925-3217 FAX (954) 925-3247
E-MAIL: bray501@bellsouth.net
DN: ML JOB# 12081
CK: N.F.B. DATE 19 MAY '16

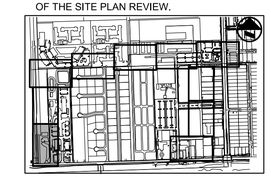
B.C.H.C.E.D. REF. # 120118060

EDGE OF WATER
EXISTING TREES TO REMAIN
ADJACENT CANAL
EDGE OF WATER
EDGE OF WATER
EDGE OF WATER
RIP-RAP HEADWALL
N88°10'15"E 70.00'
EARTHEN BERM
10' CANAL EASEMENT PER ORB 3951, PG. 392
IRRIGATION PUMP LOCATION. SEE SHEET IR-1
PROPERTY LINE
6' ASPHALT WALKWAY
BENCH TYP. SEE SHEET SP-7
7' SIDEWALK W/ 2' BUMPER OVERHANG
PROPOSED WATER LINE FOR DRINKING FOUNTAIN
BENCH TYP. SEE SHEET SP-7
R10.0'
5.0'
EXISTING RETENTION AREA (IRRIGATED)
6' ASPHALT WALKWAY
EXISTING TREES TO REMAIN
PROPOSED PEDESTRIAN CROSSING W/ SIGNALS SEE CIVIL
PROPOSED WOOD FENCE SEE SHEET SP-7
PROPOSED FIRE HYDRANT
16.0'
10.0'
5.0'
12.0'
25.0'
PLAYGROUND STRUCTURE BY OTHERS
DRY RETENTION AREA 73,707 SF- 1.69 AC
PARKING LOT CIRCULATION IS TWO WAY ON ALL DRIVE AISLES
SEE SHEET SP-3 FOR SITE DATA
80' ROW DEDICATION
PROPERTY LINE
PROPOSED WOOD FENCE SEE SHEET SP-7
LIMIT OF IRRIGATION
PROPOSED 6' WALL SEE SHEET SP-7
PROPERTY LINE
EXISTING DUMPSTER
SW 45TH STREET (ORANGE DRIVE)
S88°10'15"W 660.00'
24.0'
10.0'
25.0'
5.0'
6' U.E.
15' D.E. (TYP.)
EX. "STOP"
EX. "DO NOT ENTER"
R15.0'
R15.0'
BENCH TYP. SEE SHEET SP-7
EXISTING FIRE HYDRANT TO BE RELOCATED
EXISTING FIRE DEPARTMENT AREA TO REMAIN AS IS
GATE
CARD READER WITH (2) GUARD POSTS
EX. "DO NOT ENTER"
EX. "STOP" AND "LEFT TURN ONLY"
FENCE
EX. HANDICAP SIGN (TYP.)
12' U.E.
15' D.E.
EXISTING FIRE STATION F.F.=6.41
EX. "STOP" AND "LEFT TURN ONLY"
EX. "YIELD" AND "LEFT TURN ONLY"
EXISTING PARKING
EXISTING PARKING
EX. "DO NOT ENTER"
EX. "YIELD" AND "LEFT TURN ONLY"
EX. "DO NOT ENTER"
250'
MATCH LINE SEE SHEET SP-2

PLAYGROUND SITE DATA:

JURISDICTION:	TOWN OF DAVIE, FLORIDA	
LAND USE DESIGNATION:	RESIDENTIAL- 10 DU/AC	
ZONING DISTRICT:	CF- COMMUNITY FACILITY A-1	
GROSS SITE AREA:	167,825 SF (3.85 AC)	100%
NET SITE AREA:	167,825 SF (3.85 AC)	100%
LANDSCAPE AREA:	140,209 SF (3.22 AC)	84%
IMPERVIOUS AREA:	18,823 SF (.43 AC)	11%
LAKE AREA:	8,993 SF (.21 AC)	5%
BUILDING COVERAGE AREA:	N/A	0%
TABLE 12-32.617(G):PARKING REQUIREMENTS		
NO PARKING REQUIRED	REQUIRED: 0	
TOTAL PARKING PROVIDED	8 STANDARD SPACES, 1 HANDICAP SPACE	
PARKING SETBACK: 5' REQUIRED	10' PROVIDED	
TABLE 12-83: BUILDING SETBACK REQUIREMENTS:		
BUILDING SETBACK: 25' REQUIRED	25' PROVIDED	
SEC. 12-111: LANDSCAPING STANDARDS FOR SITES:		
PERIMETER BUFFER:	N/A FOR COMMUNITY FACILITY SITES	
SEC. 12-112: LANDSCAPING FOR PARKING LOTS:		
MIN. 15% OF VUA TO BE OPEN SPACE:		
VUA= 4,619 SF X 15%= 693 SF REQ.	760 SF PLUS PROVIDED	

NOTE:
PROPOSED INFRASTRUCTURE IS NOT PART OF THE SITE PLAN REVIEW.



KEY MAP
SCALE: NONE

0 10' 20' 40'
SCALE: 1"=20'-0"

R:\Landscape\2009\09-0056 DAVIE RETENTION\CURRENT\09-0056_SP.dwg [SP-1] Apr 24, 2017 10:03am SPEAVLER

	DATE:	12/02/13
	SCALE:	1"=20'
	DESIGN BY:	SWP
	DRAWN BY:	SWP
	CHECKED BY:	JDH
	APPROVED BY:	SWP

BY:	DESCRIPTION:	DATE:
SWP	REVISED PER TOWN COMMENTS	05/18/16
SWP	REVISED PER ROW DEDICATION	11/11/15
SWP	REVISED PER DRC COMMENTS- HYDRANT	03/10/15
SWP	REVISED PER DRC COMMENTS	11/07/14
SWP	REVISED PER DRC COMMENTS	07/18/14
SWP	REVISED PER DRC COMMENTS	03/14/14

CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
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FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

SITE PLAN

SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

SP-1

SHEET X OF X

B.C.H.C.E.D. REF. # 120118060

WATER (TYP.)

EDGE OF WATER

ADJACENT CANAL

W. LINE OF TRACT 41
N 01°56'17" W 1316.79'

EDGE OF WATER

EARTHEN BERM

BENCH TYP.
SEE SHEET SP-7

PROPERTY LINE

20.0'

6' ASPHALT WALKWAY

20' LAKE MAINTENANCE EASEMENT

MATCH LINE SEE SHEET SP-3

DRY RETENTION AREA
73,707 SF- 1.69 AC

PROPOSED 6' CHAIN LINK FENCE
SEE SHEET SP-7

WET RETENTION AREA
28,496 SF- 0.65 AC

TRANSITION FROM WALL TO CHAIN LINK FENCE

PROPERTY LINE

PROPOSED 6' WALL
SEE SHEET SP-7

EX. METER

1 STORY CBS
MAINT BLDG #6911

1 STORY ALUM
STORAGE BLDG

COVERED CONCRETE
WORK AREA

TOWN VEHICLE PARKING

EXISTING PUBLIC WORKS AREA
TO REMAIN AS IS

EXISTING
FUEL
ISLAND

EXISTING
BUILDING

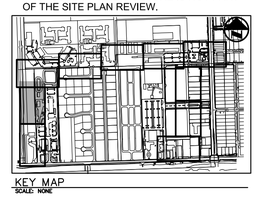
EXISTING
DUMPSTER

STORAGE BIN

EX. "STOP"

EXISTING
FIRE HYDRANT

NOTE:
PROPOSED INFRASTRUCTURE IS NOT PART OF THE SITE PLAN REVIEW.



KEY MAP
SCALE: NONE

0 10' 20' 40'
SCALE: 1"=20'-0"

DATE:	12/02/13
SCALE:	1"=20'
DESIGN BY:	SWP
DRAWN BY:	SWP
CHECKED BY:	JDH
APPROVED BY:	SWP

BY:	DATE:
SWP	11/11/15
SWP	07/18/14
SWP	03/14/14

DESCRIPTION:
1. REVISED PER ROW DEDICATION
2. REVISED PER DRC COMMENTS
3. REVISED PER DRC COMMENTS

CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL.: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. 0000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

SITE PLAN

SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

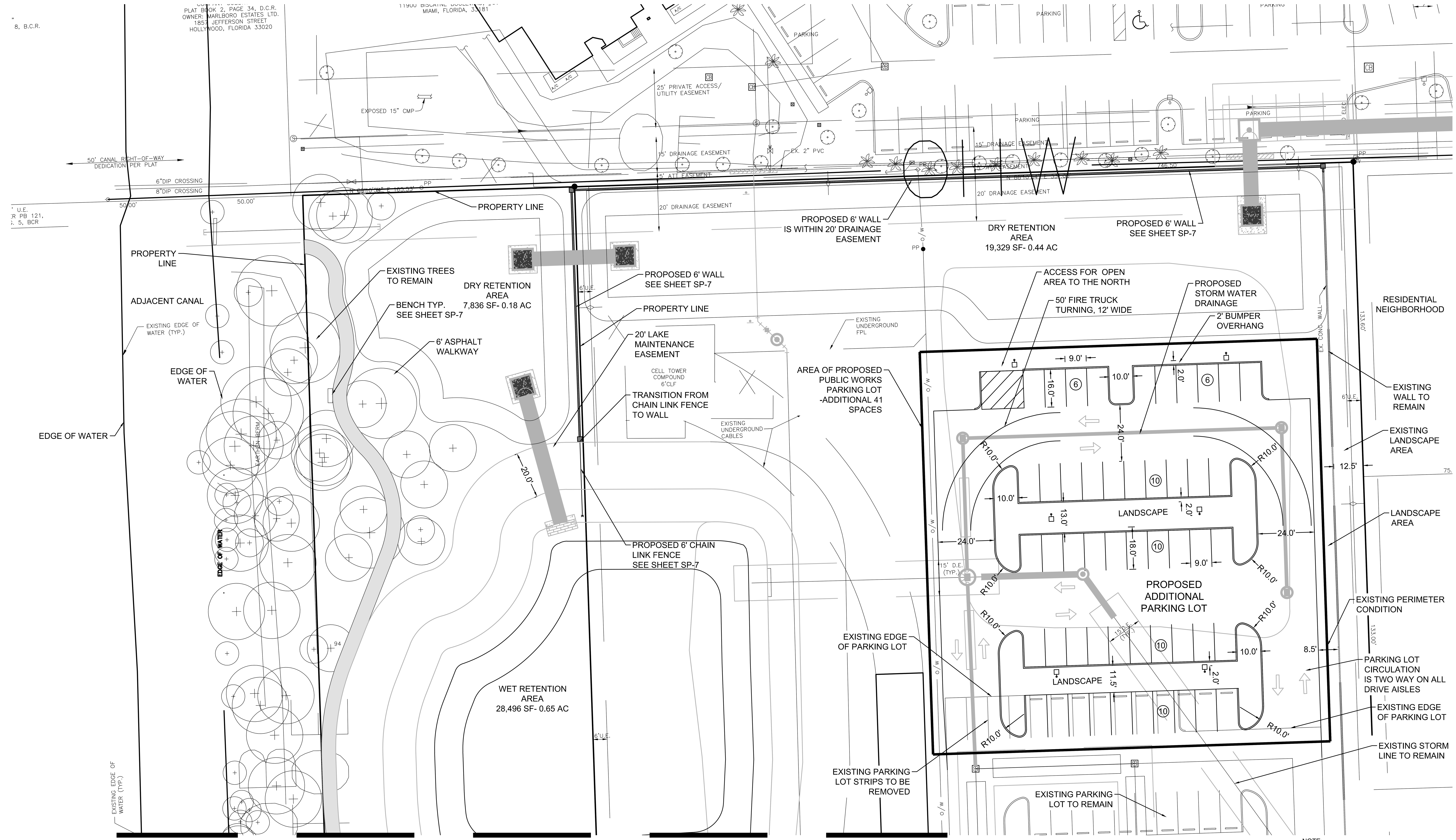
PROJECT NO.
09-0056-001-01

SP-2

SHEET X OF X

R: \Landscape\2009\09-0056 DAVIE RETENTION\CURRENT\09-0056_SP.dwg [SP-2] Apr 24, 2017 10:03am SPEAVLER

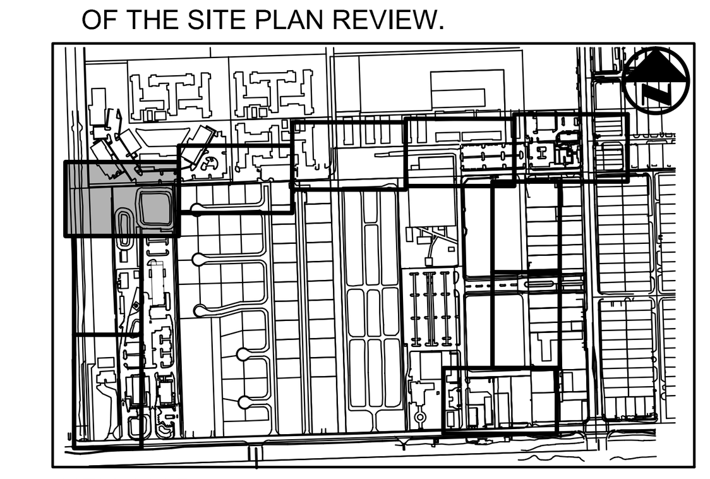
B.C.H.C.E.D. REF. # 120118060



PUBLIC WORKS SITE DATA:

JURISDICTION:	TOWN OF DAVIE, FLORIDA	
LAND USE DESIGNATION:	CF- COMMUNITY FACILITY	
ZONING DISTRICT:	CF- COMMUNITY FACILITY	
GROSS SITE AREA:	408,935 SF (9.39 AC)	100%
NET SITE AREA:	408,935 SF (9.39 AC)	100%
LANDSCAPE AREA:	179,884 SF (4.13 AC)	44%
IMPERVIOUS AREA:	172,053 SF (3.95 AC)	42%
LAKE AREA:	13,635 SF (.31 AC)	3%
BUILDING COVERAGE AREA:	43,363 SF (1.00 AC)	11%
TABLE 12-32.517(G):PARKING REQUIREMENTS		
EXISTING BUILDING AND PARKING		
PREVIOUSLY APPROVED	EXISTING SPACES: 147 STANDARD, 8 HANDICAP	
TOTAL ADDITIONAL PARKING PROVIDED:	41 STANDARD SPACES	
TOTAL PARKING PROVIDED ON-SITE:	188 STANDARD SPACES, 8 HANDICAP	
TABLE 12-83: BUILDING SETBACK REQUIREMENTS:		
BUILDING SETBACK:	N/A EXISTING BUILDINGS TO REMAIN, NO ADDITIONS	
SEC. 12-111: LANDSCAPING STANDARDS FOR SITES:		
PERIMETER BUFFER:	N/A FOR COMMUNITY FACILITY SITES	
SEC. 12-112: LANDSCAPING FOR PARKING LOTS- PARKING LOT ADDITION ONLY		
MIN. 15% OF VUA TO BE OPEN SPACE:		
VUA= 22,707 SF X 15%= 3,406 SF REQ.	3,450 SF PLUS PROVIDED	

NOTE:
PROPOSED INFRASTRUCTURE IS NOT PART OF THE SITE PLAN REVIEW.



KEY MAP
SCALE: NONE

0 10' 20' 40'
SCALE: 1"=20'-0"

R:\Landscape\2009\09-0056 DAVIE RETENTION\CURRENT\09-0056_SP.dwg [SP-3] Apr 24, 2017 10:03am SPEAVLER

4	REVISED PER TOWN COMMENTS	SWP	05/18/16
3	REVISED PER ROW DEDICATION	SWP	11/11/15
2	REVISED PER DRC COMMENTS	SWP	07/18/14
1	REVISED PER DRC COMMENTS	SWP	03/14/14
	DESCRIPTION:	BY:	DATE:

DATE:	12/02/13
SCALE:	1"=20'
DESIGN BY:	SWP
DRAWN BY:	SWP
CHECKED BY:	JDH
APPROVED BY:	SWP

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WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

SITE PLAN- PARK

SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

SP-3

SHEET X OF X

B.C.H.C.E.D. REF. # 120118060

MATCH LINE SEE SHEET SP-5

BEGIN BASELINE STA 10+00
SET N/TAB LB271 BM ELEV=4.92

S.W. 44TH STREET

N88°10'55"E 135.00'

N. LINE OF THE S. 266.77' OF TRACT 47

N88°10'55"E 90.00'

4x4 WOOD POST

ABANDONED WOOD POLE

N88°10'55"E 105.49'

SANITARY MH
RIM=4.64
I.E.=(-)0.83(N) 10"PVC
I.E.=(-)0.74(E) 10"PVC

EXISTING FIRE HYDRANT

CATCH BASIN
R.E.=5.46
I.E.=3.90(SE)

CATCH BASIN
R.E.=6.96
DID NOT AS-BUILT

CATCH BASIN
R.E.=5.83
I.E.=3.90(NW)
I.E.=3.20(E)
I.E.=2.40(S)

CATCH BASIN
R.E.=6.89
I.E.=3.20(W)

H/C SIGN (TYP.)

PROPOSED 50' ROADWAY DEDICATION

S.W. 65TH WAY (RODEO WAY)

CATCH BASIN
R.E.=4.68
I.E.=1.66(N)
I.E.=0.75(SE)

CATCH BASIN
R.E.=4.63
I.E.=1.91(NW)

BUILDING

BUILDING

BUILDING

SW 65th WAY

CATCH BASIN
R.E.=5.94
DID NOT AS-BUILT

CATCH BASIN
R.E.=6.15
I.E.=2.40(E)
I.E.=2.40(N)

CATCH BASIN
R.E.=7.12
I.E.=2.70(W)

N. 01°45'02" W. 266.80'

TEL J-BOX

S.W. 65TH AVENUE

SANITARY MH
R.E.=6.88
I.E.=2.18(N) 8"PVC
TERMINAL MANHOLE

"STOP" SIGN AND 2-D3 STREET SIGNS

BROKEN INFORMATIONAL SIGN

SIGN

SOUTH LINE OF TRACT 47

"SPEED LIMIT 30" SIGN

N88°10'55"E 105.34'

NORTH R/W LINE S.W. 45TH STREET

YELLOW REFLECTORS

S.W. 45TH STREET (ORANGE DRIVE)

DECORATIVE DIRECTIONAL SIGN

SCHOOL ADVANCE SIGN

36' R/W PER O.R.B. 13083, PG. 977

ORANGE DRIVE
(SW 45TH STREET)

36' R/W PER O.R.B. 13083, PG. 977 N.88°11'14"E.

KEY MAP
SCALE: NONE

0 10' 20' 40'
SCALE: 1"=20'-0"

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DATE:	12/02/13
SCALE:	1"=20'
DESIGN BY:	SWP
DRAWN BY:	SWP
CHECKED BY:	JDH
APPROVED BY:	SWP

NO.	DESCRIPTION:	BY:	DATE:
1	REVISED PER DRC COMMENTS	SWP	07/18/14

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WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

SITE PLAN- OFF SITE

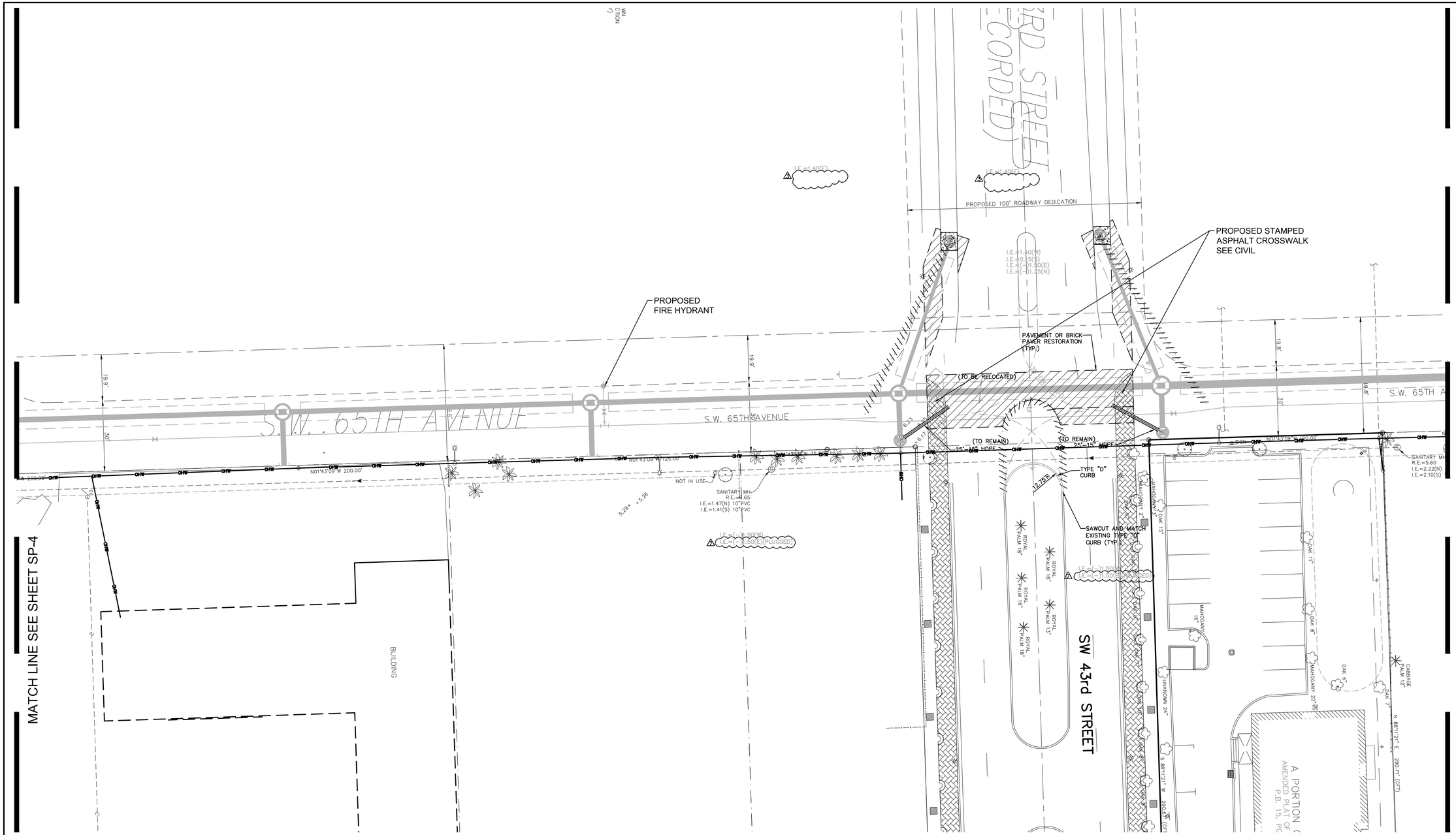
SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

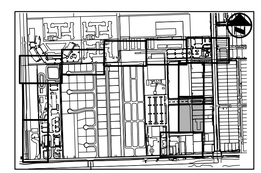
PROJECT NO.
09-0056-001-01

SP-4

SHEET X OF X

B.C.H.C.E.D. REF. # 120118060





KEY MAP
SCALE: NONE

0 10' 20' 40'
SCALE: 1"=20'-0"

DESCRIPTION:	BY:	DATE:
REVISED PER DRC COMMENTS	SWP	07/18/14
CHECKED BY:	JDH	
APPROVED BY:	SWP	
DRAWN BY:	SWP	
DESIGN BY:	SWP	
SCALE:	1"=20'	
DATE:	12/02/13	

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FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. 0000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

SITE PLAN- OFF SITE

SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

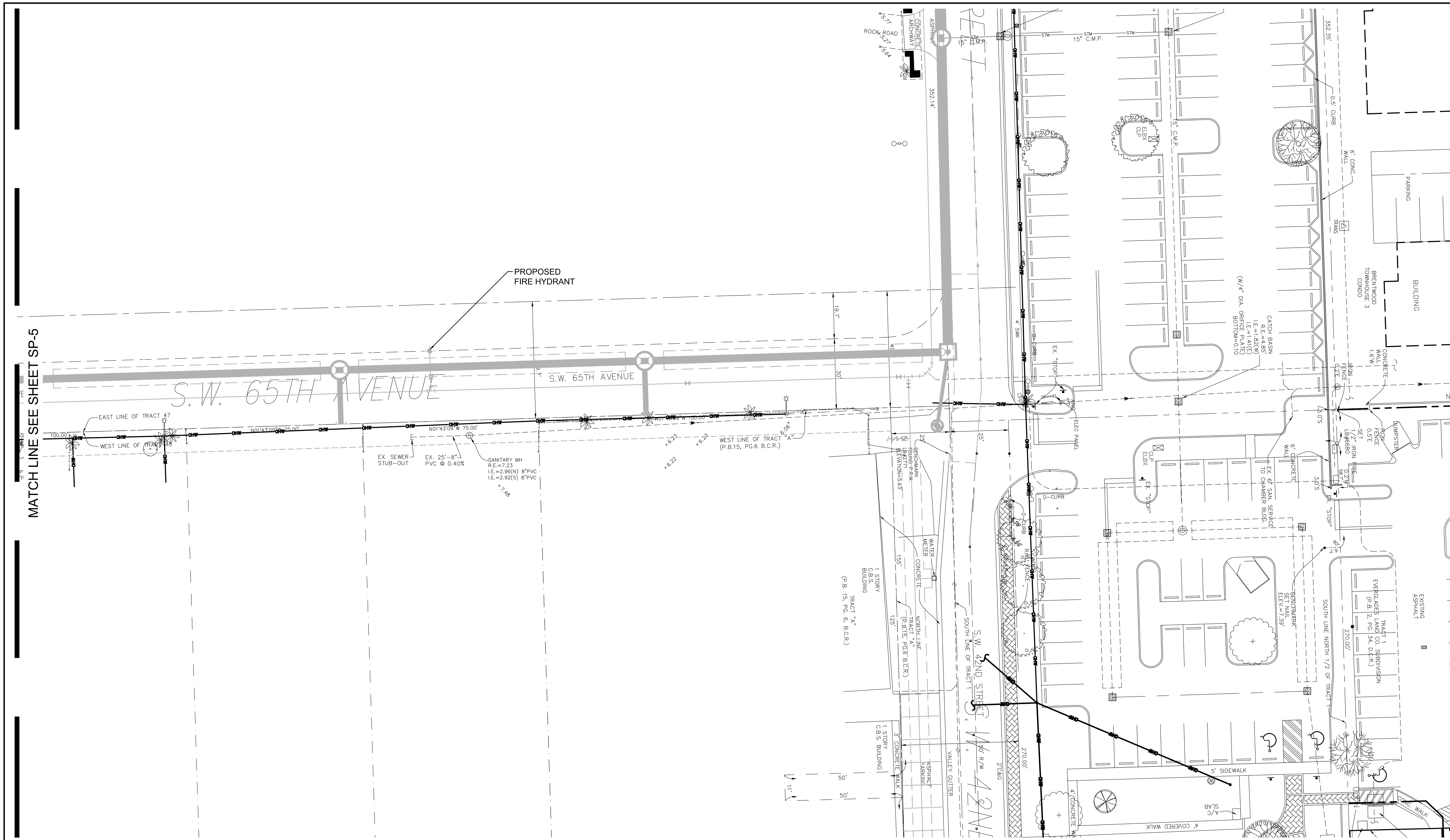
PROJECT NO.
09-0056-001-01

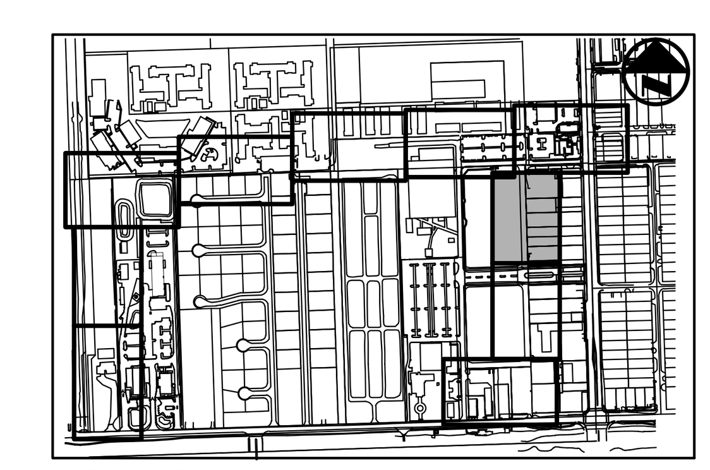
SP-5

SHEET X OF X

R: \Landscape\2009\09-0056 DAVIE RETENTION\CURRENT\09-0056_SP.dwg [SP-5] Apr 24, 2017 10:03am SPEAVLER

B.C.H.C.E.D. REF. # 120118060




KEY MAP
SCALE: NONE

0 10' 20' 40'
SCALE: 1"=20'-0"

DATE:	12/02/13
SCALE:	1"=20'
DESIGN BY:	SWP
DRAWN BY:	SWP
CHECKED BY:	JDH
APPROVED BY:	SWP

	DESCRIPTION:	BY:	DATE:
1	REVISED PER DRC COMMENTS	SWP	07/18/14

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FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

SITE PLAN- OFF SITE

SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

SP-6

SHEET X OF X

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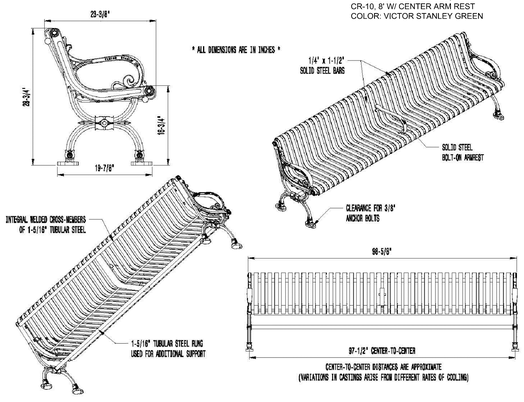
MODEL: CLASSIC SERIES,
CR-10, 8' W/ CENTER ARM REST
COLOR: VICTOR STANLEY GREEN



AVAILABLE OPTIONS:
POWDER COATING
10 STANDARD COLORS, 2 OPTIONAL METALLIC COLORS,
CUSTOM COLORS (INCLUDING THE RAL RANGE)
CUSTOM PLAQUES
ENGRAVED CAST BRONZE PLAQUES

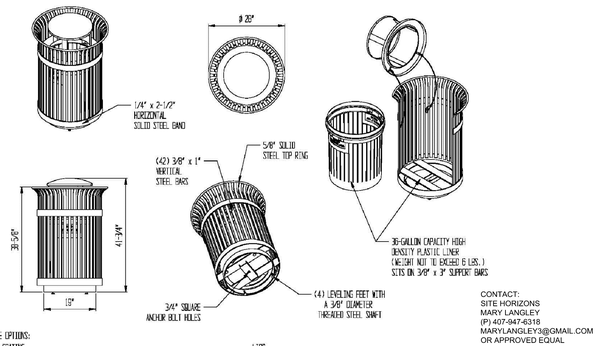
INTERMEDIATE & CENTER ARMRESTS
4', 6', & 8' AVAILABLE WITH OPTIONAL ARMRESTS
LENGTHS
STANDARD 4'
STANDARD 6'
STANDARD 8' LENGTH SHOWN

CONTACT:
SITE HORIZONS
MARY LANGLEY
(P) 407-947-6318
MARYLANGLEY3@GMAIL.COM
OR APPROVED EQUAL

NOTES:
1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 9-12 MILS (200-250 MICRONS).
3. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL BENCH IS IN PLACE. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
4. ANCHOR BOLTS NOT PROVIDED BY VICTOR STANLEY, INC.
5. FOR HIGH SALT ABRASIVE CLIMATES, HOT DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. SEE WRITTEN SPECIFICATIONS FOR DETAILS.
6. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
7. THIS PRODUCT IS SHIPPED PARTIALLY UNASSEMBLED.

1 TOWN STANDARD 8' BENCH
DETAIL NTS

MODEL: S-42 W/ S-2 DOME LID
COLOR: VICTOR STANLEY GREEN



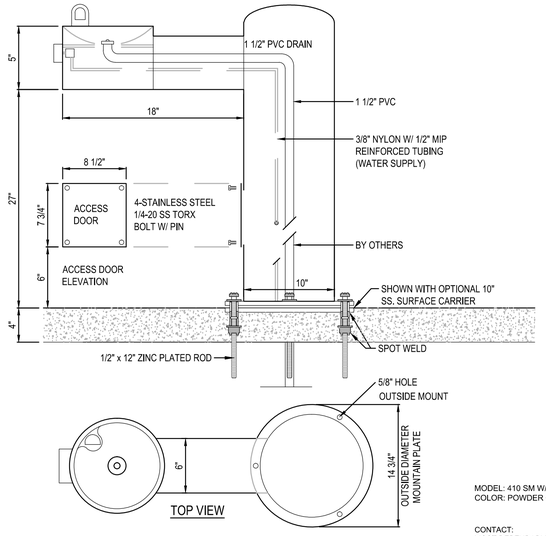
CONTACT:
SITE HORIZONS
MARY LANGLEY
(P) 407-947-6318
MARYLANGLEY3@GMAIL.COM
OR APPROVED EQUAL

AVAILABLE OPTIONS:
POWDER COATING
10 STANDARD COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE).
CUSTOM PLAQUES & DECALS
AVAILABLE WITH STEEL PLAQUES IN VARIOUS SIZES AND PRESSURE SENSITIVE VINYL OUTDOOR DECALS.

LIDS
STANDARD TAPERED FLARED LID. AVAILABLE WITH OPTIONAL
S-2 FLARED EDGE (AS SHOWN), S-2 FLARED EDGE WITH STAINLESS STEEL ASHTRAY, AND DS-2 FLARED EDGE WITH SELF-CLOSING DOOR.
SECURITY
LID IS SECURED WITH VINYL COATED GALVANIZED STEEL AIRCRAFT CABLE. CABLE IS LOOPED AROUND WELDED IN PLACE ATTACHMENT BRACKETS AND CRIMPED IN PLACE. AVAILABLE WITH OPTIONAL MOUNT WITH 3 IN-LINE ANCHOR HOLES AND OPTIONAL BOTTOM PLATE COVER.

NOTES:
1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD FILM COATING. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 9-12 MILS (200-250 MICRONS).
3. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
4. VICTOR STANLEY, INC., PLASTIC INNER LINERS ARE MOLDED ON TOOLING DESIGNED FOR AND OWNED BY VICTOR STANLEY, INC. THEY OFFER MAXIMUM CAPACITY AND STRENGTH WITH LIGHTWEIGHT CONSTRUCTION USING CRITICAL MOLDED RIBS, INTEGRAL HANDHOLDS, AND HIGH-STRENGTH MATERIALS. THIS MINIMIZES HANDLING DIFFICULTY AND FACILITATES EASY EMPTYING AND STORAGE WHILE AFFORDING LONG SERVICE LIFE.
5. ANCHOR BOLT NOT PROVIDED BY VICTOR STANLEY, INC.
6. FOR HIGH SALT ABRASIVE CLIMATES, HOT DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. SEE WRITTEN SPECIFICATIONS FOR DETAILS.
7. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
8. THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.

2 TOWN STANDARD TRASH RECEPTACLE
DETAIL NTS

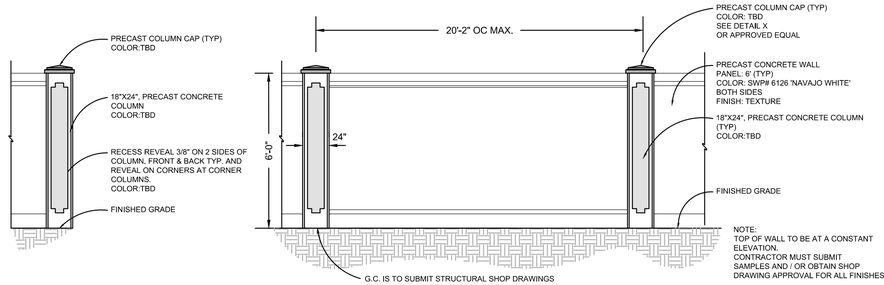


MODEL: 410 SM W/ OPTIONAL SURFACE CARRIER
COLOR: POWDER COAT GREEN

CONTACT:
MOST DEPENDABLE FOUNTAINS INC.
(P) 800-552-6331
WWW.MOSTDEPENDABLE.COM
OR APPROVED EQUAL

NOTES:
1. MEETS ADA REGULATIONS.
2. DO NOT SCALE DRAWINGS.
3. OPTIONAL STAINLESS STEEL SURFACE CARRIER RECOMMENDED.
4. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

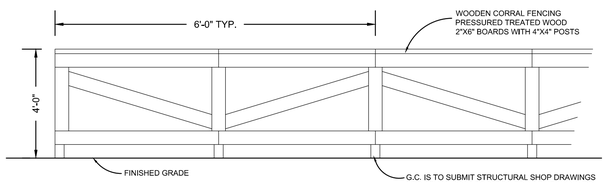
3 DRINKING FOUNTAIN
DETAIL NTS



NOTE:
TOP OF WALL TO BE AT A CONSTANT ELEVATION.
CONTRACTOR MUST SUBMIT SAMPLES AND / OR OBTAIN SHOP DRAWING APPROVAL FOR ALL FINISHES.

CONTACT:
OLD CASTLE- PRECAST DIVISION
GEORGE WATTONVILLE
(P) 863-800-9700
OR APPROVED EQUAL

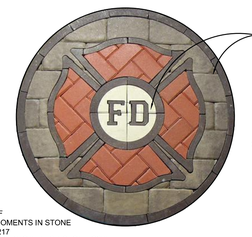
4 6' PRE-CAST WALL W/ COLUMNS
SECTION / ELEVATION NTS



NOTE:
CORRAL FENCE TO MATCH EXISTING CORRAL FENCE ON SW 65TH WAY.

CONTACT:
COMET FENCE
(P) 954-975-6401
WWW.COMETFENCE.COM
OR APPROVED EQUAL

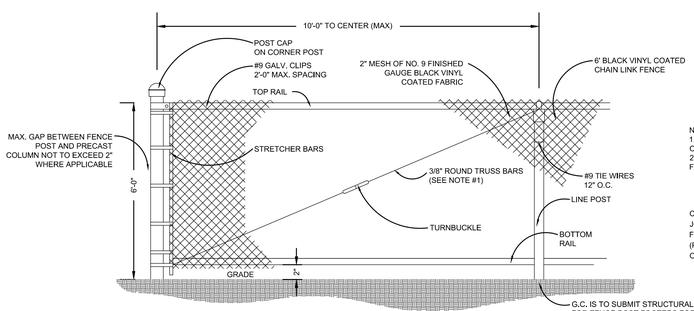
5 WOOD CORRAL FENCE
SECTION / ELEVATION NTS



CONTACT:
TOM NIEHOFF
CAPTURED MOMENTS IN STONE
(P) 631-796-2217
WWW.CAPTUREDMOMENTSINSTONE.COM
OR APPROVED EQUAL

NOTE:
1. CONTRACTOR TO PREPARE BASE AS RECOMMENDED BY THE MANUFACTURER AND INSTALL THE CUSTOM BRICK PAVERS.
2. INSTALLATION OF CIRCLE PAVER PLAZA IS TO INCLUDE BUT NOT LIMITED TO BASE PREPARATION, SANDING OF JOINTS, AND SEALING OF THE PAVERS. COMPLETE INSTALLATION IS TO BE DONE PER MANUFACTURERS RECOMMENDATIONS.
3. CONCRETE PAVER EDGE RESTRAINTS ARE TO BE USED IN LOCATIONS WHERE PAVERS ARE ADJACENT TO LANDSCAPE OR SOD. SEE DETAIL BELOW.

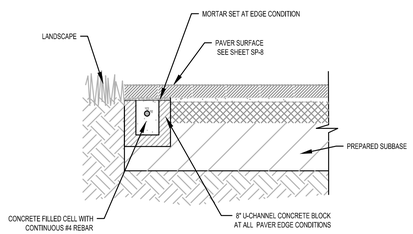
6 CIRCLE PAVER PLAZA
PLAN NTS



NOTES:
1. TRUSS BARS ARE REQUIRED FOR THE FIRST SPAN ON EACH SIDE OF THE CORNER POST.
2. ALL POSTS, FENCING, POST CAPS, RAILS, AND FASTENERS SHALL BE BLACK VINYL COATED

CONTACT:
JOHN DOERSCHUCK
FENCE MASTERS INC.
(P) 305-635-7777 X101
OR APPROVED EQUAL

7 CHAIN LINK FENCE
DETAIL NTS



8 PAVER EDGE RESTRAINT
DETAIL NTS

DATE:	12/02/13
SCALE:	NTS
DESIGN BY:	SWP
DRAWN BY:	SWP
CHECKED BY:	JDH
APPROVED BY:	SWP

BY:	DATE:	DESCRIPTION:
SWP	07/18/14	REVISED PER DRC COMMENTS

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ENGINEERS • PLANNERS • SURVEYORS
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FAX: (954) 739-6409 TEL.: (954) 739-6400
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WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

SITE PLAN DETAILS

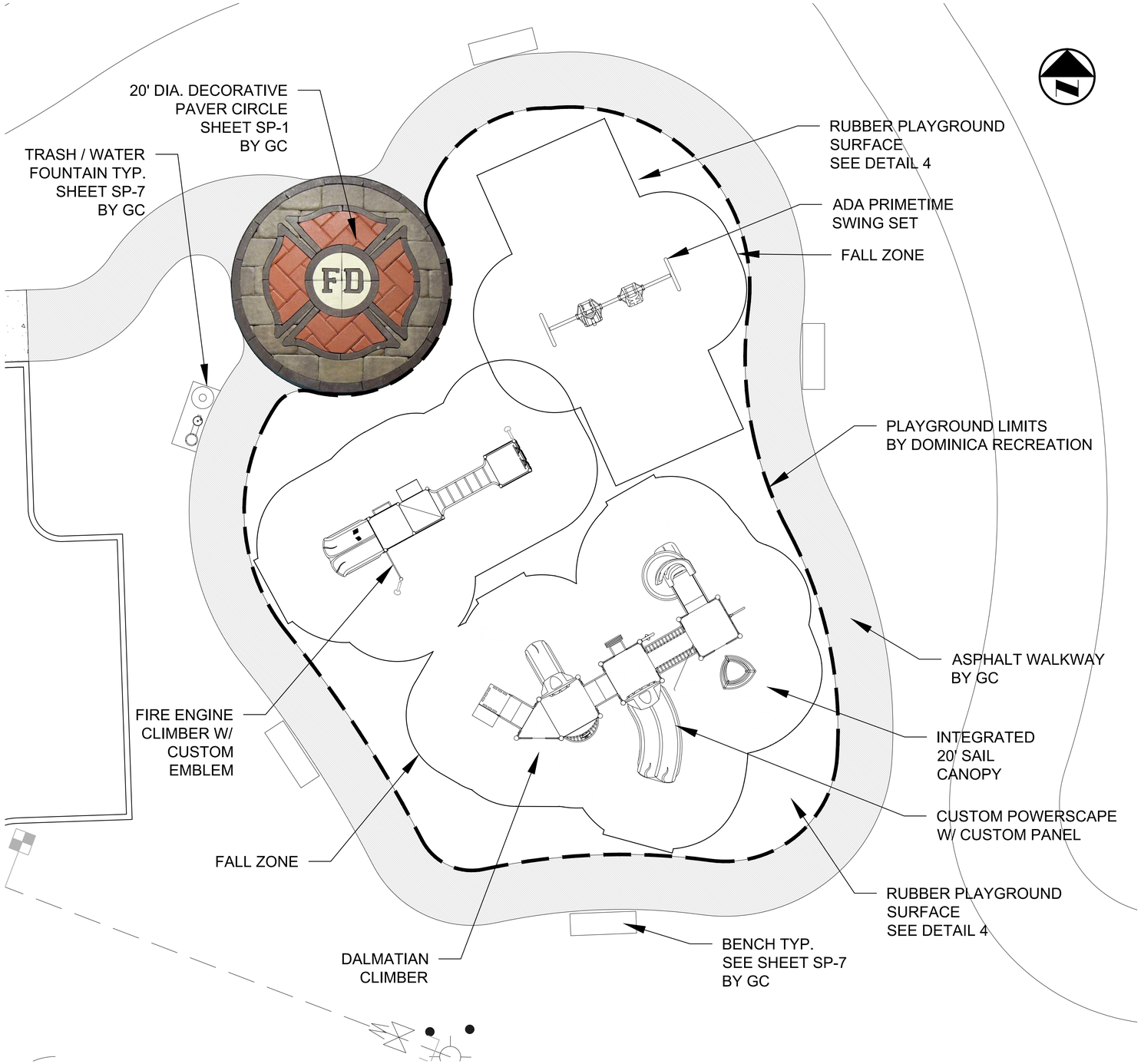
SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

SP-7

SHEET X OF X

R:\Landscape\2009\09-0056 DAVIE RETENTION\CURRENT\09-0056_SP.dwg [SP-7] Apr 24, 2017 10:04am SPEAVLER



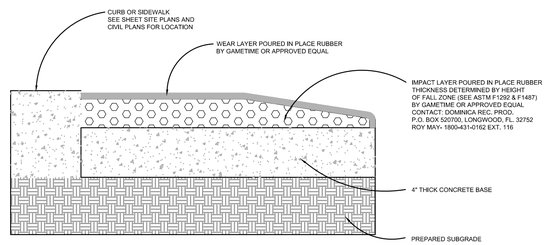
1 PLAYGROUND ENLARGEMENT
PLAN 1"= 5'-0"

2 PLAYGROUND 3D VIEW
SOUTH VIEW NTS

LOCATION OF DALMATIAN CLIMBER

DALMATIAN CLIMBER

3 PLAYGROUND 3D VIEW
NORTH VIEW NTS



4 RUBBER PLAYGROUND SURFACE
SECTION NTS

CONTACT:
DOMINICA RECREATION PRODUCTS
ROY MAY
(P) 800-432-0162
WWW.DRPINC.COM
OR APPROVED EQUAL

NOTES:
1. GAMETIME PRODUCTS FOR PLAYGROUND ARE TO BE PURCHASED UNDER U.S. COMMUNITIES BY THE TOWN OF DAVIE AND INSTALLED BY DOMINICA RECREATION.
2. ROUGH GRADES OF THE PLAYGROUND SITE IS TO BE ESTABLISHED BY THE GENERAL CONTRACTOR PRIOR TO PLAYGROUND INSTALLATION.
3. PLAYGROUND EQUIPMENT, SURFACES, FINAL SITE PREP, AND ANY OTHER ITEMS WITHIN THE PLAYGROUND LIMITS IS TO BE INSTALLED OR DONE BY DOMINICA RECREATIONS AND COORDINATED WITH THE GENERAL CONTRACTOR. GENERAL CONTRACTOR TO PROVIDE SITE ACCESS FOR CONSTRUCTION EQUIPMENT AND STAGING AREA FOR PLAYGROUND INSTALLATION.
4. INSTALLATION OF ASPHALT WALKWAY AROUND PERIMETER OF PLAYGROUND LIMITS TO BE DONE AFTER PLAYGROUND ELEMENTS ARE INSTALLED OR GENERAL CONTRACTOR TO PROVIDE A MINIMUM 20' OPENING IN WALKWAY TO ALLOW ACCESS FOR PLAYGROUND INSTALLATION. RUBBER PLAYGROUND SURFACE TO BE INSTALLED AFTER WALKWAY INSTALLATION. COORDINATION BETWEEN GENERAL CONTRACTOR AND DOMINICA RECREATION IS REQUIRED.

DESCRIPTION:	BY:	DATE:
DATE:	12/02/13	
SCALE:	1"=5'-0"	
DESIGN BY:	SWP	
DRAWN BY:	SWP	
CHECKED BY:	JDH	
APPROVED BY:	SWP	

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FAX: (954) 739-6409 TEL.: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. 0000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

SITE PLAN- PLAYGROUND

SCOTT WADE PEAVLER
FLORIDA LA NO. 6666576

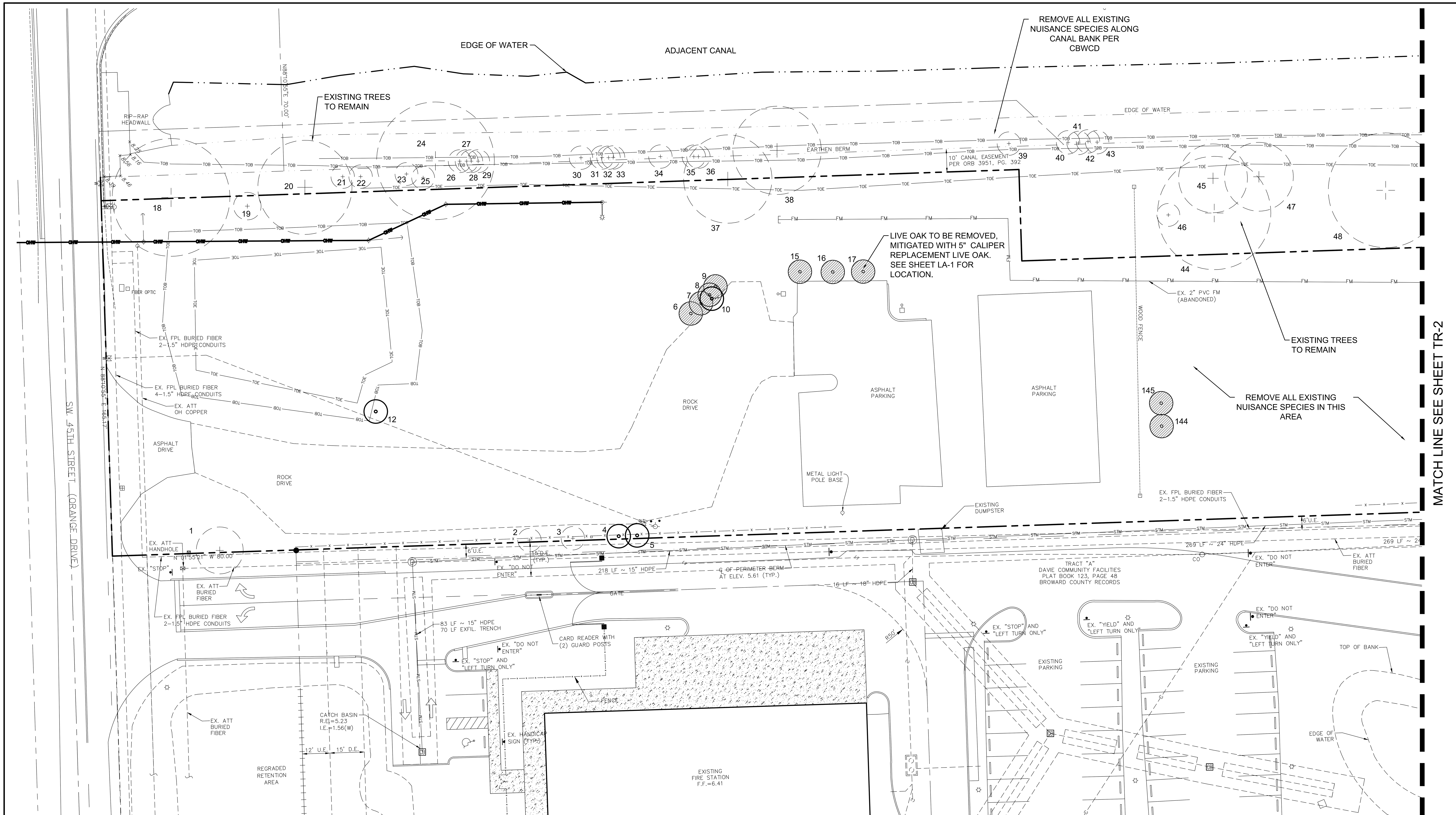
PROJECT NO.
09-0056-001-01

SP-8

SHEET X OF X

R:\Landscape\2009\09-0056 DAVIE RETENTION\CURRENT\09-0056_SP.dwg [SP-8] Apr 24, 2017 10:04am SPEAVLER

B.C.H.C.E.D. REF. # 120118060



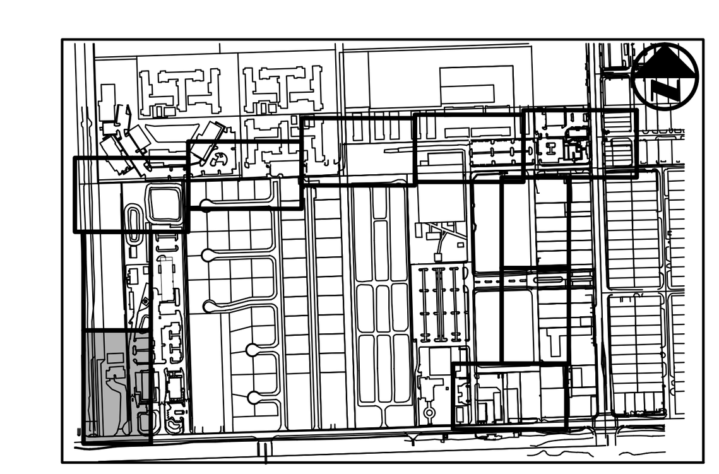
EDGE OF WATER
ADJACENT CANAL
REMOVE ALL EXISTING NUISANCE SPECIES ALONG CANAL BANK PER CBWCD
EXISTING TREES TO REMAIN
RIP-RAP HEADWALL
EARTHEN BERM
10' CANAL EASEMENT PER ORB 3951, PG. 392
LIVE OAK TO BE REMOVED, MITIGATED WITH 5" CALIPER REPLACEMENT LIVE OAK. SEE SHEET LA-1 FOR LOCATION.
EX. 2" PVC FM (ABANDONED)
WOOD FENCE
EXISTING TREES TO REMAIN
REMOVE ALL EXISTING NUISANCE SPECIES IN THIS AREA
ASPHALT PARKING
ASPHALT PARKING
ROCK DRIVE
FIBER OPTIC
EX. FPL BURIED FIBER 2-1.5" HDPE CONDUITS
EX. FPL BURIED FIBER 4-1.5" HDPE CONDUITS
EX. ATT OH COPPER
ASPHALT DRIVE
ROCK DRIVE
METAL LIGHT POLE BASE
EXISTING DUMPSTER
EX. FPL BURIED FIBER 2-1.5" HDPE CONDUITS
MATCH LINE SEE SHEET TR-2
SW. 45TH STREET (ORANGE DRIVE)
EX. ATT HANDHOLE
N 01°55'21" W 80.00'
EX. "STOP"
EX. ATT BURIED FIBER
EX. FPL BURIED FIBER 2-1.5" HDPE CONDUITS
6' U.E.
15' D.E. (TYP.)
EX. "DO NOT ENTER"
218 LF ~ 15" HDPE
℄ OF PERIMETER BERM AT ELEV. 5.61 (TYP.)
TRACT "A" DAVIE COMMUNITY FACILITIES PLAT BOOK 123, PAGE 48 BROWARD COUNTY RECORDS
269 LF ~ 24" HDPE
EX. "DO NOT ENTER"
EX. ATT BURIED FIBER
16 LF ~ 18" HDPE
GATE
83 LF ~ 15" HDPE 70 LF EXFIL. TRENCH
CARD READER WITH (2) GUARD POSTS
EX. "DO NOT ENTER"
EX. "STOP" AND "LEFT TURN ONLY"
EX. "STOP" AND "LEFT TURN ONLY"
EX. "YIELD" AND "LEFT TURN ONLY"
EX. "DO NOT ENTER"
EX. "YIELD" AND "LEFT TURN ONLY"
TOP OF BANK
EXISTING PARKING
EXISTING PARKING
FENCE
EX. ATT BURIED FIBER
CATCH BASIN R.E.=5.23 I.E.=1.56(W)
EX. HANDICAP SIGN (TYP.)
12' U.E.
15' D.E.
REGRADED RETENTION AREA
EXISTING FIRE STATION F.F.=6.41
EDGE OF WATER

LEGEND

EXISTING TREES/ PALMS TO REMAIN

TREES/ PALMS TO BE REMOVED XXX

TREES/ PALMS TO BE RELOCATED- SEE LA SHEETS FOR LOCATIONS XXX



0 10' 20' 40'
SCALE: 1"=20'-0"

DATE:	12/02/13
SCALE:	1"=20'
DESIGN BY:	SWP
DRAWN BY:	SWP
CHECKED BY:	JDH
APPROVED BY:	SWP

	DESCRIPTION:	BY:	DATE:
1	REVISED PER DRC COMMENTS	SWP	11/07/14

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FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. 0000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

TREE REMOVAL PLAN

SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

TR-1

SHEET X OF X

R:\Landscape\2009\09-0056 DAVIE RETENTION\CURRENT\09-0056_TR.dwg [TR-1] Apr 24, 2017 9:24am SPEAVLER

B.C.H.C.E.D. REF. # 120118060

ADJACENT CANAL

WATER (TYP.)

EDGE OF WATER

REMOVE ALL EXISTING NUISANCE SPECIES ALONG CANAL BANK PER CBWCD

W. LINE OF TRACT 41
N. 01°56'17" W 1316.79'

EARTHEN BERM

EX. 2" PVC FM (ABANDONED)

REMOVE ALL EXISTING NUISANCE SPECIES IN THIS AREA

REMOVE ALL EXISTING NUISANCE SPECIES IN THIS AREA

MATCH LINE SEE SHEET TR-3

G. OF PERIMETER BERM AT ELEV. 5.61 (TYP.)

EX. FPL BURIED FIBER 2-1.5" HDPE CONDUITS

N. 01°55'21" W 1316.79'

1236.80'

236 LF ~ 30" HDPE

136 LF ~ 30" HDPE

EX. ATT BURIED FIBER

TRANS

1 STORY CBS
MAINT BLDG. #6911

EX. METER

1 STORY ALUM
STORAGE BLDG

TRACT "A"
"DAVIE COMMUNITY FACILITIES"
PLAT BOOK 123, PAGE 48
BROWARD COUNTY RECORDS

TRACT "A"
DAVIE COMMUNITY FACILITIES
PLAT BOOK 123, PAGE 48
BROWARD COUNTY RECORDS

COVERED CONCRETE WORK AREA

EXISTING LAKE
DWL=1.41 NAVD
(CBWCD DRAINAGE EASEMENT)
(BY T.O.D.)

TOWN VEHICLE PARKING

EXISTING DUMPSTER

STORAGE BIN

EX. ATT OH COPPER

EX. "STOP"

EXISTING FPL PLANT

EXISTING BUILDING

15' D.E. (TYP.)

EX. ATT HANDHOLE

LEGEND

EXISTING TREES/ PALMS TO REMAIN

TREES/ PALMS TO BE REMOVED

XXX

TREES/ PALMS TO BE RELOCATED- SEE LA SHEETS FOR LOCATIONS

XXX

KEY MAP
SCALE: NONE

0 10' 20' 40'
SCALE: 1"=20'-0"

DATE:	12/02/13
SCALE:	1"=20'
DESIGN BY:	SWP
DRAWN BY:	SWP
CHECKED BY:	JDH
APPROVED BY:	SWP

DESCRIPTION:	BY:	DATE:

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FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. 000014

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

TREE REMOVAL PLAN

SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

TR-2

SHEET X OF X

R: \Landscape \2009 \09-0056 DAVIE RETENTION \CURRENT \09-0056_TR.dwg [TR-2] Apr 24, 2017 9:24am SPEAVLER

B.C.H.C.E.D. REF. # 120118060

EXISTING TREES TO REMAIN

EXISTING TREES TO REMAIN, NO EXCAVATION TO TAKE PLACE WITHIN 5' OF TREE TRUNKS

REMOVE ALL EXISTING NUISANCE SPECIES ALONG CANAL BANK PER CBWCD

REMOVE ALL EXISTING NUISANCE SPECIES IN THIS AREA

ADJACENT CANAL

EDGE OF WATER

MATCH LINE SEE SHEET TR-2

MATCH LINE SEE SHEET TR-4

LEGEND

EXISTING TREES/ PALMS TO REMAIN

TREES/ PALMS TO BE REMOVED

TREES/ PALMS TO BE RELOCATED- SEE LA SHEETS FOR LOCATIONS

KEY MAP
SCALE: NONE

SCALE: 1"=20'-0"

DATE:	12/02/13
SCALE:	1"=20'
DESIGN BY:	SWP
DRAWN BY:	SWP
CHECKED BY:	JDH
APPROVED BY:	SWP

DESCRIPTION:	BY:	DATE:

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FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. 0000414

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

TREE REMOVAL PLAN

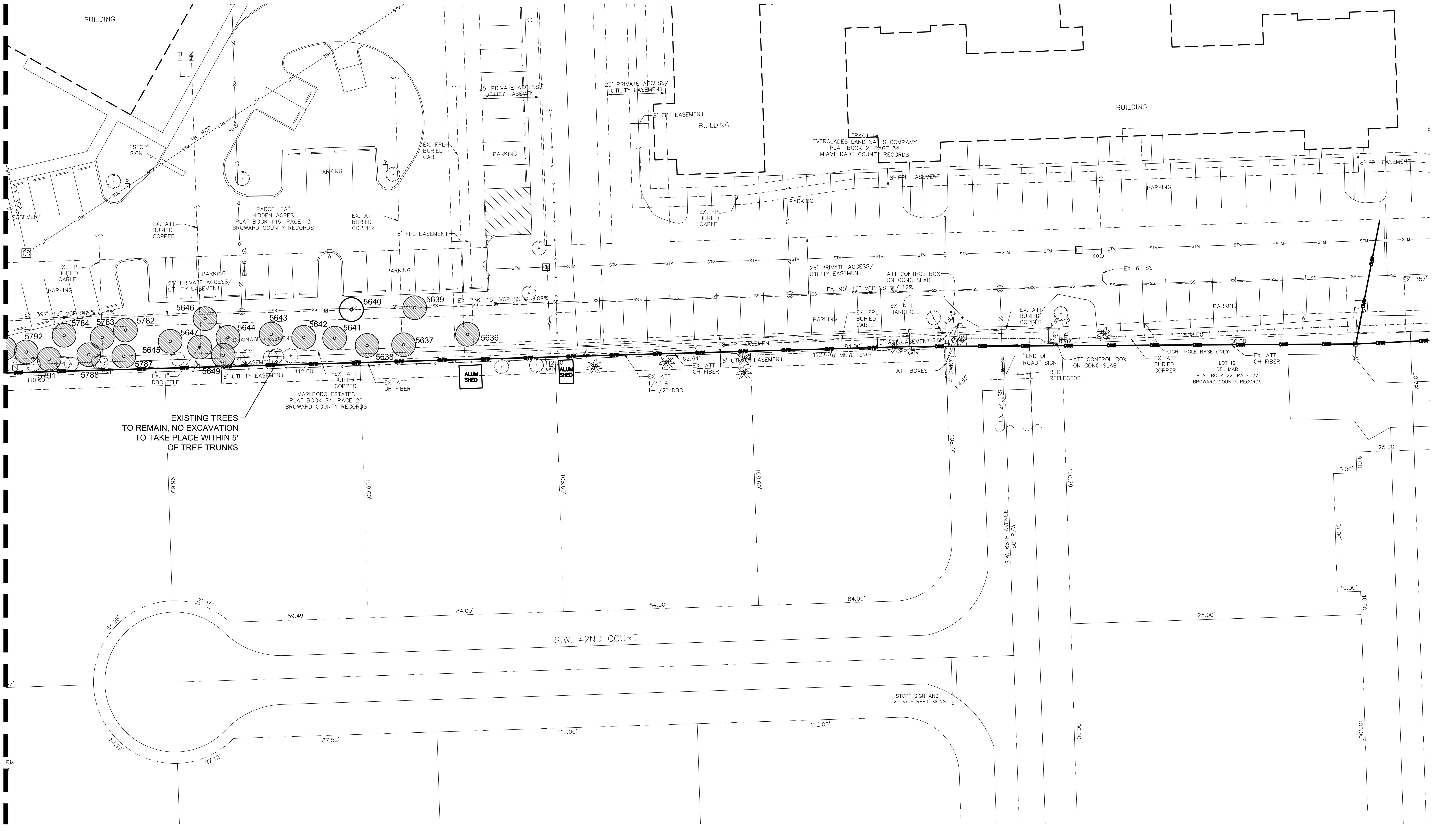
SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

TR-3

SHEET X OF X

B.C.H.C.E.D. REF. # 120118060

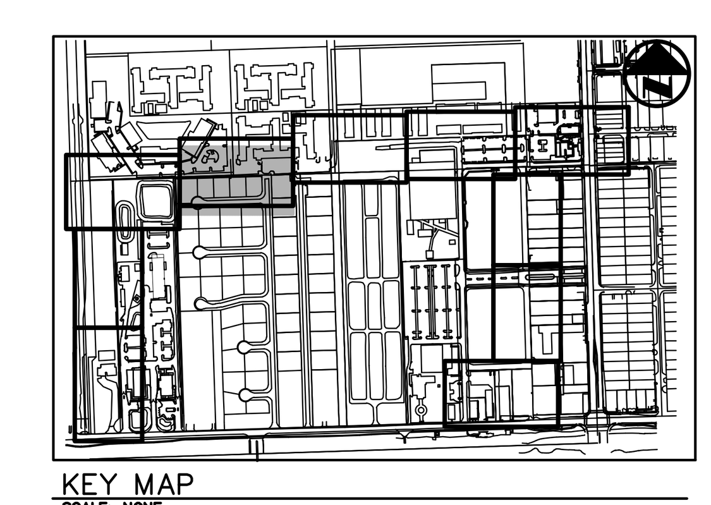

MATCH LINE SEE SHEET TR-3
BUILDING
"STOP" SIGN
PARCEL "A"
HIDDEN ACRES
PLAT BOOK 146, PAGE 13
BROWARD COUNTY RECORDS
PARKING
25' PRIVATE ACCESS/ UTILITY EASEMENT
EX. FPL BURIED CABLE
EX. ATT BURIED COPPER
8' FPL EASEMENT
TRACT 16
EVERGLADES LAND SALES COMPANY
PLAT BOOK 2, PAGE 34
MIAMI-DADE COUNTY RECORDS
EX. 6" SS
EX. 90'-15" VCP SS @ 0.12%
EX. 236'-15" VCP SS @ 0.09%
EX. 397'-15" VCP SS @ 0.13%
ATT CONTROL BOX ON CONC SLAB
EX. ATT HANDHOLE
6' VINYL FENCE
6' UTILITY EASEMENT
ATT BOXES
"END OF ROAD" SIGN
RED REFLECTOR
ATT CONTROL BOX ON CONC SLAB
LIGHT POLE BASE ONLY
EX. ATT OH FIBER
EX. ATT 1/4" & 1-1/2" DBC
EX. DBC TELE
LOT 12
DEL MAR
PLAT BOOK 22, PAGE 27
BROWARD COUNTY RECORDS
MARLBORO ESTATES
PLAT BOOK 74, PAGE 20
BROWARD COUNTY RECORDS
ALUM SHED
EXISTING TREES TO REMAIN, NO EXCAVATION TO TAKE PLACE WITHIN 5' OF TREE TRUNKS
5792
5791
5784
5783
5782
5788
5787
5646
5645
5647
5649
5644
5643
5642
5641
5640
5639
5638
5637
5636
S.W. 42ND COURT
S.W. 68TH AVENUE 50' R/W
"STOP" SIGN AND 2-D3 STREET SIGNS
84.00'
59.49'
112.00'
87.52'
125.00'
108.60'
120.79'
100.00'
27.15'
27.12'
54.96'
54.99'

LEGEND

EXISTING TREES/ PALMS TO REMAIN

TREES/ PALMS TO BE REMOVED XXX

TREES/ PALMS TO BE RELOCATED- SEE LA SHEETS FOR LOCATIONS XXX



0 10' 20' 40'
SCALE: 1"=20'-0"

DATE:	12/02/13
SCALE:	1"=20'
DESIGN BY:	SWP
DRAWN BY:	SWP
CHECKED BY:	JDH
APPROVED BY:	SWP

DESCRIPTION:	BY:	DATE:

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FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

TREE REMOVAL PLAN

SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

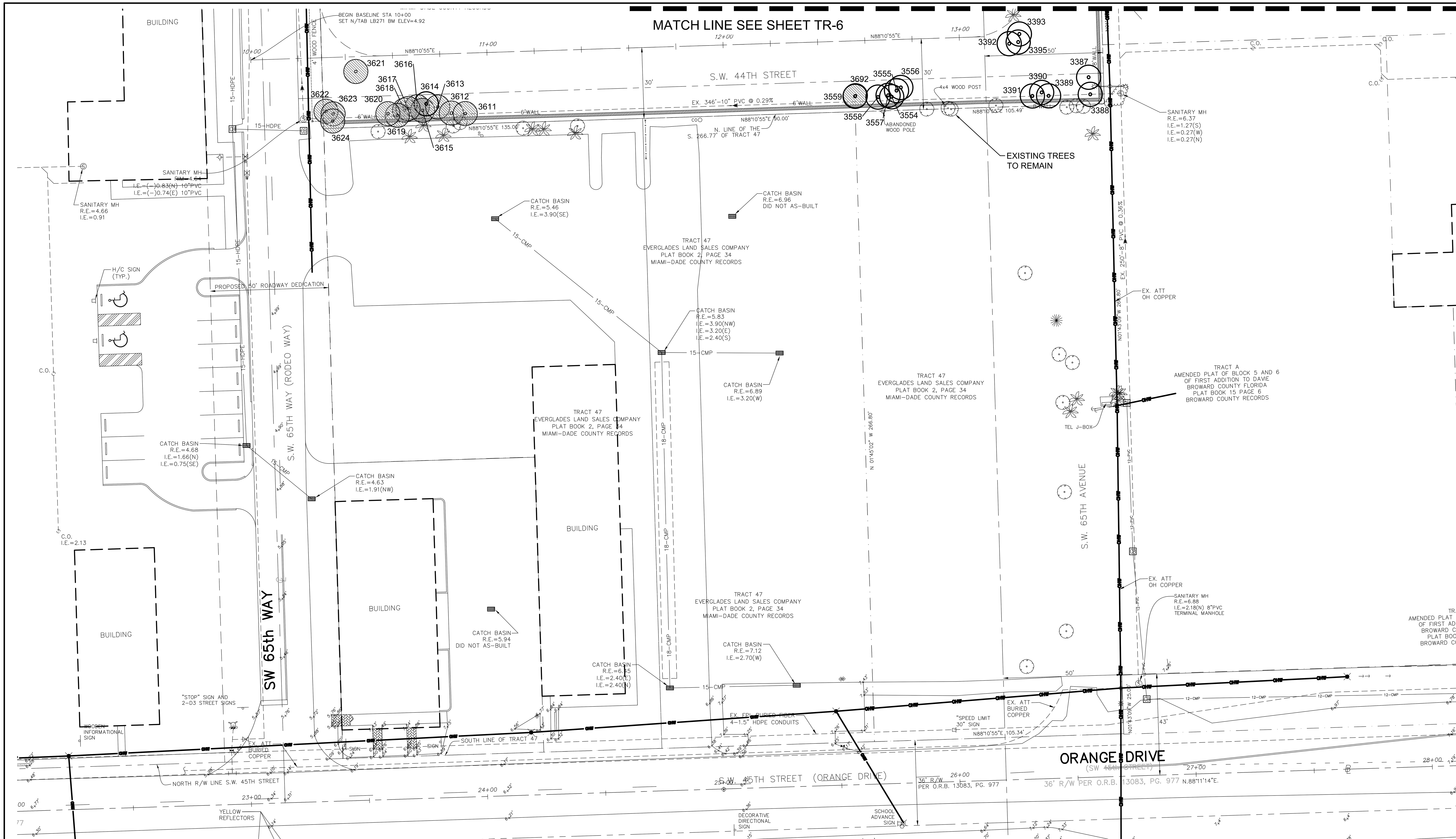
PROJECT NO.
09-0056-001-01

TR-4

SHEET X OF X

R:\Landscape\2009\09-0056 DAVIE RETENTION\CURRENT\09-0056_TR.dwg [TR-4] Apr 24, 2017 9:24am SPEAVLER

B.C.H.C.E.D. REF. # 120118060



LEGEND

EXISTING TREES/ PALMS TO REMAIN

TREES/ PALMS TO BE REMOVED — XXX

TREES/ PALMS TO BE RELOCATED- SEE LA SHEETS FOR LOCATIONS — XXX

KEY MAP

SCALE: 1"=20'-0"

DATE:	12/02/13
SCALE:	1"=20'
DESIGN BY:	SWP
DRAWN BY:	SWP
CHECKED BY:	JDH
APPROVED BY:	SWP

	DESCRIPTION:	BY:	DATE:
1	REVISED PER DRC COMMENTS	SWP	11/07/14

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FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

TREE REMOVAL PLAN

SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

TR-5

SHEET X OF X

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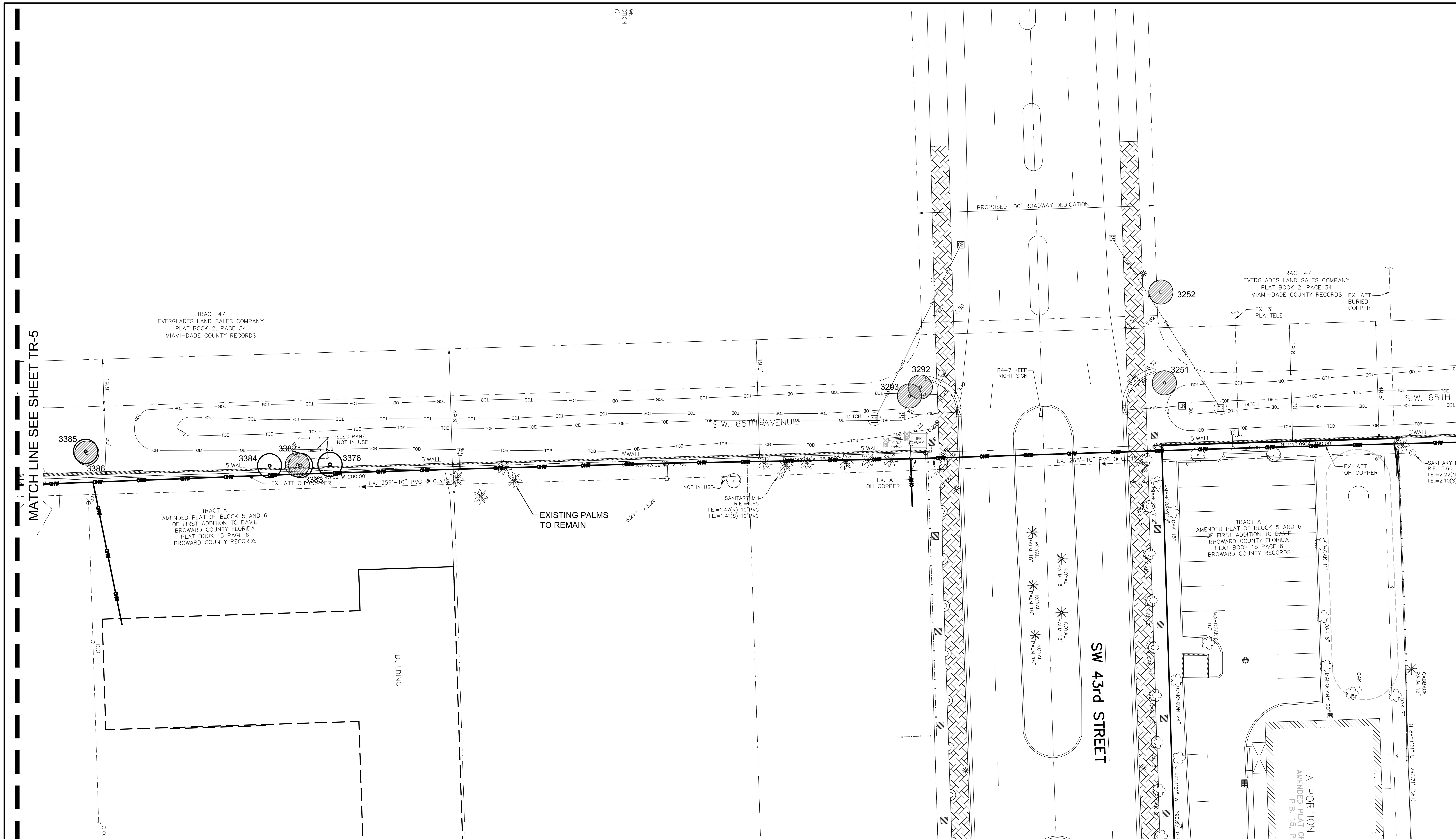
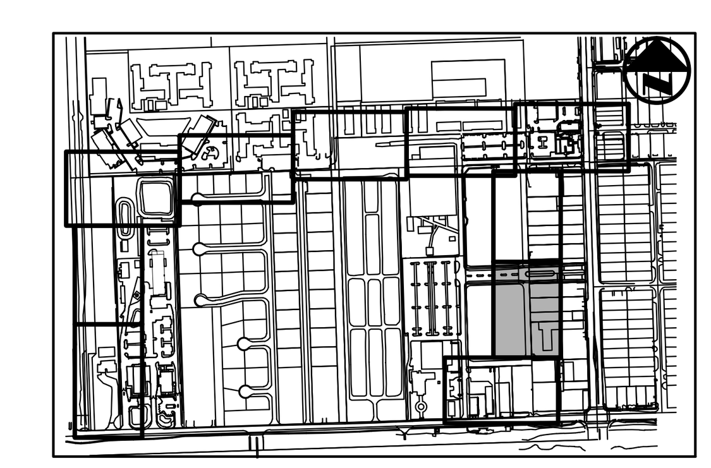


LEGEND

EXISTING TREES/ PALMS TO REMAIN

TREES/ PALMS TO BE REMOVED (XXX)

TREES/ PALMS TO BE RELOCATED- SEE LA SHEETS FOR LOCATIONS (XXX)



KEY MAP
SCALE: NONE

SCALE: 1"=20'-0" (0, 10', 20', 40')

DATE:	12/02/13
SCALE:	1"=20'
DESIGN BY:	SWP
DRAWN BY:	SWP
CHECKED BY:	JDH
APPROVED BY:	SWP

	DESCRIPTION:	BY:	DATE:
1	REVISED PER DRC COMMENTS	SWP	11/07/14

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WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

TREE REMOVAL PLAN

SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

TR-6

SHEET X OF X

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TREE REMOVAL/ RELOCATION LIST:

No.	Scientific Name	Common Name	Caliper (in.)	Height	Status	Note	City Category	Price/ Cal. Inch	Total
4	Veitchia merrillii	Christmas Palm	6		Relocate				
5	Veitchia merrillii	Christmas Palm	6		Relocate				
6	Cupaniopsis anacardioides	Carrotwood	0		N/A				
7	Cupaniopsis anacardioides	Carrotwood	0		N/A				
8	Cupaniopsis anacardioides	Carrotwood	0		N/A				
9	Metopium toxiferum	Poisonwood	0		N/A				
10	Sabal palmetto	Sabal Palm	10	7	Relocate				
12	Quercus virginiana	Live Oak	5		Relocate				
15	Tabebuia chrysantha	Yellow Trumpet Tree	4		Remove	Mitigate	A		
16	Tabebuia heterophylla	Pink Trumpet Tree	3		Remove	Mitigate	A		
17	Quercus virginiana	Live Oak	5		Remove	Mitigate	A		
68	Quercus virginiana	Live Oak	6		Relocate				
144	Mangifera indica	Mango	24		Remove	Mitigate	C		
145	Mangifera indica	Mango	20		Remove	Mitigate	C		
3251	Washingtonia robusta	Washington Palm	8	20 CT	Remove	Mitigate	B		
3252	Washingtonia robusta	Washington Palm	8	20 CT	Remove	Mitigate	B		
3292	Washingtonia robusta	Washington Palm	8	20 CT	Remove	Mitigate	B		
3293	Washingtonia robusta	Washington Palm	8	14 CT	Remove	Mitigate	B		
3376	Sabal palmetto	Sabal Palm	12	10 CT	Relocate				
3382	Sabal palmetto	Sabal Palm	8	2 CT	Remove	Mitigate	A		
3383	Sabal palmetto	Sabal Palm	12	12 CT	Relocate				
3384	Sabal palmetto	Sabal Palm	12	12 CT	Relocate				
3385	Sabal palmetto	Sabal Palm	12	18 CT	Relocate				
3386	Annona glabra	Pond Apple	0		N/A				
3387	Sabal palmetto	Sabal Palm	14	14 CT	Relocate				
3388	Sabal palmetto	Sabal Palm	12	14 CT	Relocate				
3389	Sabal palmetto	Sabal Palm	12	14 CT	Relocate				
3390	Sabal palmetto	Sabal Palm	12	14 CT	Relocate				
3391	Sabal palmetto	Sabal Palm	12	14 CT	Relocate				
3392	Sabal palmetto	Sabal Palm	12	14 CT	Relocate				
3393	Sabal palmetto	Sabal Palm	12	14 CT	Relocate				
3395	Sabal palmetto	Sabal Palm	12	10 CT	Relocate				
3554	Sabal palmetto	Sabal Palm	12	18 CT	Relocate				
3555	Sabal palmetto	Sabal Palm	12	12 CT	Relocate				
3556	Sabal palmetto	Sabal Palm	12	12 CT	Relocate				
3557	Sabal palmetto	Sabal Palm	12	12 CT	Relocate				
3558	Sabal palmetto	Sabal Palm	14	10 CT	Relocate				
3559	Sabal palmetto	Sabal Palm	16	10 CT	Relocate				
3611	Sabal palmetto	Sabal Palm	12	4 CT	Remove	Mitigate	A		
3612	Sabal palmetto	Sabal Palm	12	6 CT	Remove	Mitigate	A		
3613	Melaleuca quinquenervia	Malaleuca	24		Remove				
3614	Sabal palmetto	Sabal Palm	14	10 CT	Relocate				
3615	Melaleuca quinquenervia	Malaleuca	24		Remove				
3616	Bursera simaruba	Gumbo Limbo	6		Remove	Mitigate	A		
3617	Sabal palmetto	Sabal Palm	4	4 CT	Remove	Mitigate	A		
3618	Melaleuca quinquenervia	Malaleuca	24		Remove				
3619	Sabal palmetto	Sabal Palm	12	1 CT	Remove	Mitigate	A		
3620	Sabal palmetto	Sabal Palm	8	3 CT	Remove	Mitigate	A		
3621	Sabal palmetto	Sabal Palm	20	6 CT	Remove	Mitigate	A		
3622	Sabal palmetto	Sabal Palm	16	6 CT	Remove	Mitigate	A		
3623	Sabal palmetto	Sabal Palm	4	1 CT	Remove	Mitigate	A		
3624	Sabal palmetto	Sabal Palm	16	1 CT	Remove	Mitigate	A		
3692	Ficus aurea	Strangler Fig	4		Remove	Mitigate	C		
5636	Dypsis lutescens	Areca Palm	3	6 CT	Remove	Mitigate	C		
5637	Dypsis lutescens	Areca Palm	3	6 CT	Remove	Mitigate	C		
5638	Dypsis lutescens	Areca Palm	3	6 CT	Remove	Mitigate	C		
5639	Quercus virginiana	Live Oak	10		Remove	Mitigate	A	$135.00	$1,350.00
5640	Quercus virginiana	Live Oak	10		Relocate				
5641	Ficus spp.	Ficus	16		Remove	Mitigate	C	$75.00	$1,200.00
5642	Ficus spp.	Ficus	16		Remove	Mitigate	C		
5643	Ficus spp.	Ficus	16		Remove	Mitigate	C	$75.00	$1,200.00
5644	Ficus spp.	Ficus	16		Remove	Mitigate	C	$75.00	$1,200.00
5645	Ficus spp.	Ficus	16		Remove	Mitigate	C	$75.00	$1,200.00
5646	Unknown Tree	Unknown Tree	10		Remove	Mitigate	A	$135.00	$1,350.00
5647	Dypsis lutescens	Areca Palm	3	6 CT	Remove	Mitigate	C		
5649	Unknown Shrub	Unknown Shrub	3		Remove				
5782	Tabebuia heterophylla	Pink Trumpet Tree	4		Remove	Mitigate	A	$90.00	$360.00
5783	Tabebuia heterophylla	Pink Trumpet Tree	6		Remove	Mitigate	A		
5784	Tabebuia heterophylla	Pink Trumpet Tree	3		Remove	Mitigate	A	$90.00	$270.00
5787	Dypsis lutescens	Areca Palm	3	6 CT	Remove	Mitigate	C		
5788	Dypsis lutescens	Areca Palm	3	6 CT	Remove	Mitigate	C		
5791	Dypsis lutescens	Areca Palm	3	9 CT	Remove	Mitigate	C		
5792	Dypsis lutescens	Areca Palm	3	9 CT	Remove	Mitigate	C		
5794	Dypsis lutescens	Areca Palm	3	9 CT	Remove	Mitigate	C		
5799	Ficus spp.	Ficus	18		Remove	Mitigate	C		
5800	Ficus spp.	Ficus	18		Remove	Dead			
5801	Bursera simaruba	Gumbo Limbo	12		Remain				
5802	Dypsis lutescens	Areca Palm	3	9 CT	Remove	Mitigate	C		
5839	Swietenia mahagoni	Mahogany	10		Remain				
5841	Dypsis lutescens	Areca Palm	3	9 CT	Remain				
1a	Conocarpus erectus sericeus	Silver Buttonwood	8		Remain				
2a	Swietenia mahagoni	Mahogany	12		Remain				
3a	Quercus virginiana	Live Oak	10		Relocate				
4a	Quercus virginiana	Live Oak	8		Relocate				
5a	Quercus virginiana	Live Oak	8		Relocate				
6a	Quercus virginiana	Live Oak	5		Remove	Mitigate	A		
7a	Swietenia mahagoni	Mahogany	8		Remain				

TREE LIST: CONT.

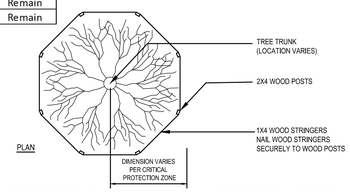
No.	Scientific Name	Common Name	Caliper (in.)	Height	Status
1	Quercus virginiana	Live Oak	17		Remain
2	Ptychosperma elegans	Solitaire Palm	6		Remain
3	Sabal palmetto	Sabal Palm	10		Remain
18	Ficus benjamina	Ficus	60		Remain
19	Celtis sinensis	Chinese Hackberry	4		Remain
20	Ficus benjamina	Ficus	60		Remain
21	Veitchia merrillii	Christmas Palm	30		Remain
22	Veitchia merrillii	Christmas Palm	18		Remain
23	Veitchia merrillii	Christmas Palm	1		Remain
24	Ficus benjamina	Ficus	60		Remain
25	Veitchia merrillii	Christmas Palm	6		Remain
26	Ptychosperma elegans	Solitaire Palm	6		Remain
27	Veitchia merrillii	Christmas Palm	6		Remain
28	Veitchia merrillii	Christmas Palm	6		Remain
29	Veitchia merrillii	Christmas Palm	6		Remain
30	Tabebua caraiba	Silver Trumpet	7		Remain
31	Bursera simaruba	Gumbo Limbo	2		Remain
32	Bursera simaruba	Gumbo Limbo	2		Remain
33	Bursera simaruba	Gumbo Limbo	2		Remain
34	Quercus virginiana	Live Oak	2		Remain
35	Bursera simaruba	Gumbo Limbo	2		Remain
36	Bursera simaruba	Gumbo Limbo	2		Remain
37	Ficus benjamina	Ficus	48		Remain
38	Ficus benjamina	Ficus	48		Remain
39	Quercus virginiana	Live Oak	2		Remain
40	Bursera simaruba	Gumbo Limbo	2		Remain
41	Bursera simaruba	Gumbo Limbo	2		Remain
42	Schefflera actinophylla	Umbrella	12		Remove
43	Schefflera actinophylla	Umbrella	10		Remove
44	Persea americana	Avocado	16		Remain
45	Quercus virginiana	Live Oak	24		Remain
46	Persea americana	Avocado	7		Remain
47	Persea americana	Avocado	22		Remain
48	Quercus virginiana	Live Oak	27		Remain
49	Roystonea regia	Royal Palm	12		Remain
50	Schefflera actinophylla	Umbrella	5		Remove
51	Quercus virginiana	Live Oak	10		Remain
52	Annona glabra	Pond Apple	6		Remain
53	Annona glabra	Pond Apple	4		Remain
54	Quercus virginiana	Live Oak	3		Remain
55	Quercus virginiana	Live Oak	4		Remain
56	Quercus virginiana	Live Oak	4		Remain
57	Quercus virginiana	Live Oak	3		Remain
58	Quercus virginiana	Live Oak	6		Remain
59	Ficus benjamina	Ficus	50		Remain
60	Quercus virginiana	Live Oak	11		Remain
61	Quercus virginiana	Live Oak	10		Remain
62	Quercus virginiana	Live Oak	9		Remain
63	Quercus virginiana	Live Oak	2		Remain
64	Quercus virginiana	Live Oak	2		Remain
65	Bursera simaruba	Gumbo Limbo	9		Remain
66	Ficus benjamina	Ficus	60		Remain
67	Schefflera actinophylla	Umbrella	12		Remove
68	Quercus virginiana	Live Oak	6		Remain
69	Quercus virginiana	Live Oak	12		Remain
70	Quercus virginiana	Live Oak	10		Remain
71	Quercus virginiana	Live Oak	8		Remain
72	Quercus virginiana	Live Oak	14		Remain
73	Quercus virginiana	Live Oak	8		Remain
74	Quercus virginiana	Live Oak	5		Remain
75	Quercus virginiana	Live Oak	5		Remain
76	Quercus virginiana	Live Oak	6		Remain
77	Quercus virginiana	Live Oak	7		Remain
78	Quercus virginiana	Live Oak	7		Remain
79	Quercus virginiana	Live Oak	2		Remain
80	Quercus virginiana	Live Oak	3		Remain
81	Quercus virginiana	Live Oak	3		Remain
82	Quercus virginiana	Live Oak	2		Remain
83	Bursera simaruba	Gumbo Limbo	3		Remain
84	Quercus virginiana	Live Oak	2		Remain
85	Quercus virginiana	Live Oak	13		Remain
86	Annona glabra	Pond Apple	4		Remain
87	Quercus virginiana	Live Oak	12		Remain
88	Quercus virginiana	Live Oak	7		Remain
89	Quercus virginiana	Live Oak	17		Remain
90	Quercus virginiana	Live Oak	12		Remain
91	Annona glabra	Pond Apple	3		Remain
92	Annona glabra	Pond Apple	4		Remain
93	Quercus virginiana	Live Oak	6		Remain
94	Quercus virginiana	Live Oak	10		Remain
95	Quercus virginiana	Live Oak	48		Remain
96	Quercus virginiana	Live Oak	30		Remain
97	Schefflera actinophylla	Umbrella	12		Remove
98	Roystonea regia	Royal Palm	10		Remain
99	Annona glabra	Pond Apple	4		Remain

TREE LIST: CONT.

No.	Scientific Name	Common Name	Caliper (in.)	Height	Status
100	Quercus virginiana	Live Oak	3		Remain
101	Annona glabra	Pond Apple	3		Remain
102	Quercus virginiana	Live Oak	10		Remain
103	Annona glabra	Pond Apple	3		Remain
104	Quercus virginiana	Live Oak	27		Remain
105	Quercus virginiana	Live Oak	6		Remain
106	Quercus virginiana	Live Oak	24		Remain
107	Quercus virginiana	Live Oak	23		Remain
108	Quercus virginiana	Live Oak	24		Remain
109	Quercus virginiana	Live Oak	21		Remain
110	Quercus virginiana	Live Oak	4		Remain
111	Quercus virginiana	Live Oak	6		Remain
112	Quercus virginiana	Live Oak	6		Remain
113	Quercus virginiana	Live Oak	12		Remain
114	Quercus virginiana	Live Oak	6		Remain
115	Quercus virginiana	Live Oak	10		Remain
116	Quercus virginiana	Live Oak	12		Remain
117	Quercus virginiana	Live Oak	11		Remain
118	Quercus virginiana	Live Oak	20		Remain
119	Quercus virginiana	Live Oak	15		Remain
120	Quercus virginiana	Live Oak	14		Remain
121	Quercus virginiana	Live Oak	4		Remain
122	Quercus virginiana	Live Oak	11		Remain
123	Quercus virginiana	Live Oak	12		Remain
124	Quercus virginiana	Live Oak	18		Remain
125	Quercus virginiana	Live Oak	20		Remain
126	Quercus virginiana	Live Oak	20		Remain
127	Quercus virginiana	Live Oak	6		Remain
128	Quercus virginiana	Live Oak	8		Remain
129	Quercus virginiana	Live Oak	6		Remain
130	Quercus virginiana	Live Oak	7		Remain
131	Quercus virginiana	Live Oak	11		Remain
132	Quercus virginiana	Live Oak	9		Remain
133	Quercus virginiana	Live Oak	10		Remain
134	Quercus virginiana	Live Oak	17		Remain
135	Annona glabra	Pond Apple	3		Remain
136	Annona glabra	Pond Apple	4		Remain
137	Dypsis lutescens	Areca Palm			Remain
138	Quercus virginiana	Live Oak	14		Remain
139	Annona glabra	Pond Apple	3		Remain
140	Quercus virginiana	Live Oak	16		Remain
141	Quercus virginiana	Live Oak	9		Remain
142	Quercus virginiana	Live Oak	19		Remain
143	Quercus virginiana	Live Oak	4		Remain
146	Annona glabra	Pond Apple	3		Remain
147	Annona glabra	Pond Apple	4		Remain
148	Annona glabra	Pond Apple	4		Remain

MITIGATION:

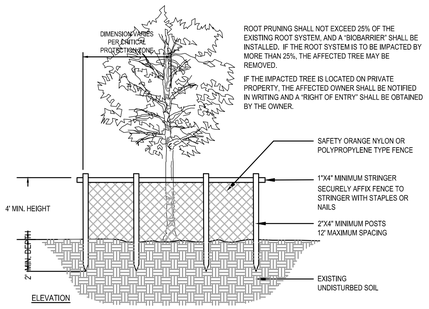
Passive Park: (6-145)				
	56" to be removed. 17 3" cal. canopy trees to be used as replacement for 51".			
	Remaining 5" is to be mitigated by one 5" cal. Live Oak, see LA-1 for location.			
Fair Grounds: (3251-3692)				
	10" to be removed. Five 2" Cal. Trees to be used as replacement for 10", proposed locations in			
	retension area north of passive park. A total of 108' CT is to be removed. 16 Sabal Palms at			
	8'-20' CT is proposed for a minimum total of 108' CT replaced.			
North Property: (5636-5841)				
	131" to be removed. 8, 5" Cal. Trees to be used as replacement for 40". Remaining 91" of			
	replacement is to be paid into the City tree preservation fund. A total of $8,130.			
	11 Areca Palms are to be removed, totaling 81' CT removed. 17 proposed Areca Palms at			
	8' overall height, minimum 6' CT, and a minimum of 10 stems for a total of 102' CT replacement.			
Parking Lot: (1a-7a)				
	5" to be removed, one 2" Cal. Tree and one 3" Cal. Tree are proposed			
	to be used as replacement for 5".			



NOTES: CRITICAL PROTECTION ZONE: THE AREA SURROUNDING A TREE WITHIN A CIRCLE DESCRIBED BY A RADIUS OF ONE FOOT FOR EACH INCH OF THE TREE TRUNK DIAMETER AT 54" ABOVE FINISHED GRADE. FOR GROUPS OF TREES, PLACE BARRICADES BETWEEN TREES AND CONSTRUCTION ACTIVITY. ANY CONSTRUCTION ACTIVITY WITHIN THE "CRITICAL PROTECTION ZONE" SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IMMEDIATELY!

DO NOT PLACE ANY TREE BARRICADE ON PRIVATE PROPERTY BEGIN ALL TREE BARRICADES AT THE ROW LINE.

*TREE PROTECTION BARRICADES SHALL BE LOCATED TO PROTECT A MINIMUM OF 75% OF THE CRITICAL PROTECTION ZONE.



1 TREE BARRICADE
PLAN & ELEVATION N.T.S

DATE:	12/02/13
SCALE:	NTS
DESIGN BY:	SWP
DRAWN BY:	SWP
CHECKED BY:	JDH
APPROVED BY:	SWP

	BY:	DATE:
REVISED PER DRC COMMENTS	SWP	11/07/14
REVISED PER DRC COMMENTS	SWP	07/18/14
DESCRIPTION:		

CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL.: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. 000014

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

TREE REMOVAL LIST & DETAIL

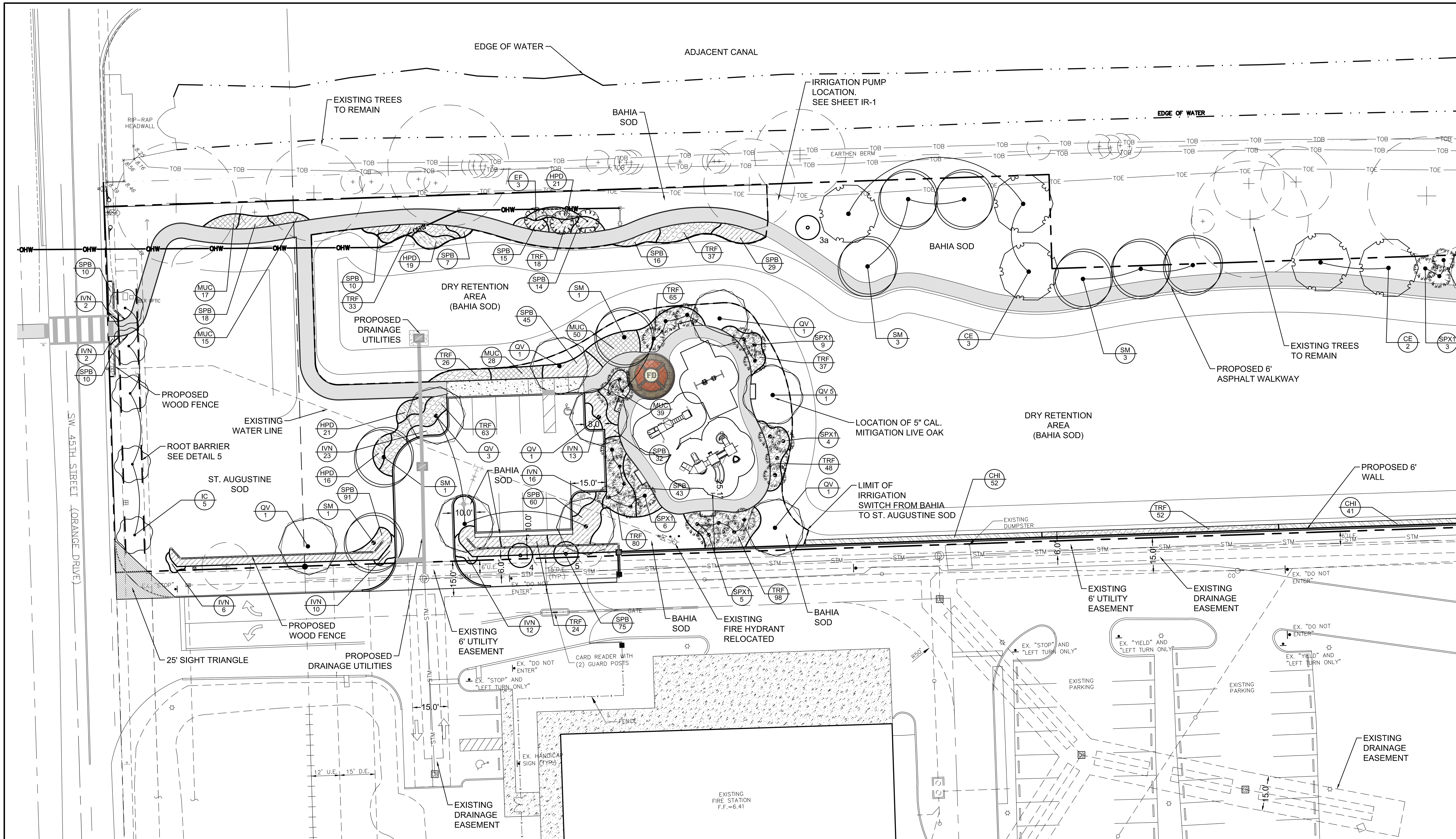
SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

TR-7

SHEET X OF X

R: \Landscape \2009 \09-0056 DAVIE RETENTION \CURRENT \09-0056_TR.dwg [TR-7] Apr 24, 2017 9:25am SPEAVLER



PLAYGROUND LANDSCAPE DATA:

JURISDICTION:	TOWN OF DAVIE, FLORIDA	
LAND USE DESIGNATION:	RESIDENTIAL- 10 DU/AC	
ZONING DISTRICT:	CF- COMMUNITY FACILITY, A-1	
GROSS SITE AREA:	167,825 SF (3.85 AC)	100%
NET SITE AREA:	167,825 SF (3.85 AC)	100%
LANDSCAPE AREA:	140,209 SF (3.22 AC)	84%
IMPERVIOUS AREA:	18,623 SF (.43 AC)	11%
LAKE AREA:	8,993 SF (.21 AC)	5%
BUILDING COVERAGE AREA:	N/A	0%
TABLE 12-83: BUILDING SETBACK REQUIREMENTS:		
BUILDING SETBACK: 25'	25' PROVIDED	
PARKING SETBACK: 5'	10' PROVIDED	
SEC. 12-111: LANDSCAPING STANDARDS FOR SITES:		
PERIMETER BUFFER:	N/A FOR COMMUNITY FACILITY SITES	
SEC. 12-112: LANDSCAPING FOR PARKING LOTS:		
MIN. 15% OF VUA TO BE OPEN SPACE:		
VUA= 4,619 SF X 15%= 693 SF REQ.	700 SF PLUS PROVIDED	
1 TREE PER ISLAND		
4 ISLANDS= 4 TREES REQUIRED	4 TREES PROVIDED	
1 TREE PER 200 SF REMAINING		
1,143 SF/ 200= 6 TREES REQUIRED	6 TREES PROVIDED	
SEC. 12-103 (J) (2): TURFGRASS:		
NO MORE THAN 50% OF PERVIOUS		
AREA TO BE IRRIGATED TURFGRASS		
TOTAL PERVIOUS= 140,209 SF		
MAX. 70,104 SF ALLOWED	19,397 SF PROVIDED IRRIGATED TURFGRASS	

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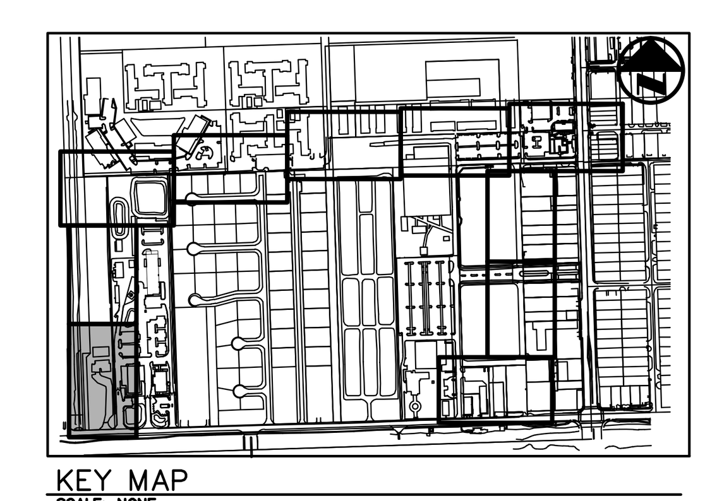

0 10' 20' 40'
SCALE: 1"=20'-0"

6	REVISED PER TOWN COMMENTS	SWP	05/18/16
5	REVISED PER ROW DEDICATION	SWP	11/11/15
4	REVISED PER DRC COMMENTS— HYDRANT	SWP	03/10/15
3	REVISED PER DRC COMMENTS	SWP	11/07/14
2	REVISED PER DRC COMMENTS	SWP	07/18/14
1	REVISED PER DRC COMMENTS	SWP	03/14/14
	DESCRIPTION:	BY:	DATE:

DATE:	12/02/13
SCALE:	1"=20'
DESIGN BY:	SWP
DRAWN BY:	SWP
CHECKED BY:	JDH
APPROVED BY:	SWP

MATCH LINE SEE SHEET LA-2

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FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

LANDSCAPE PLAN

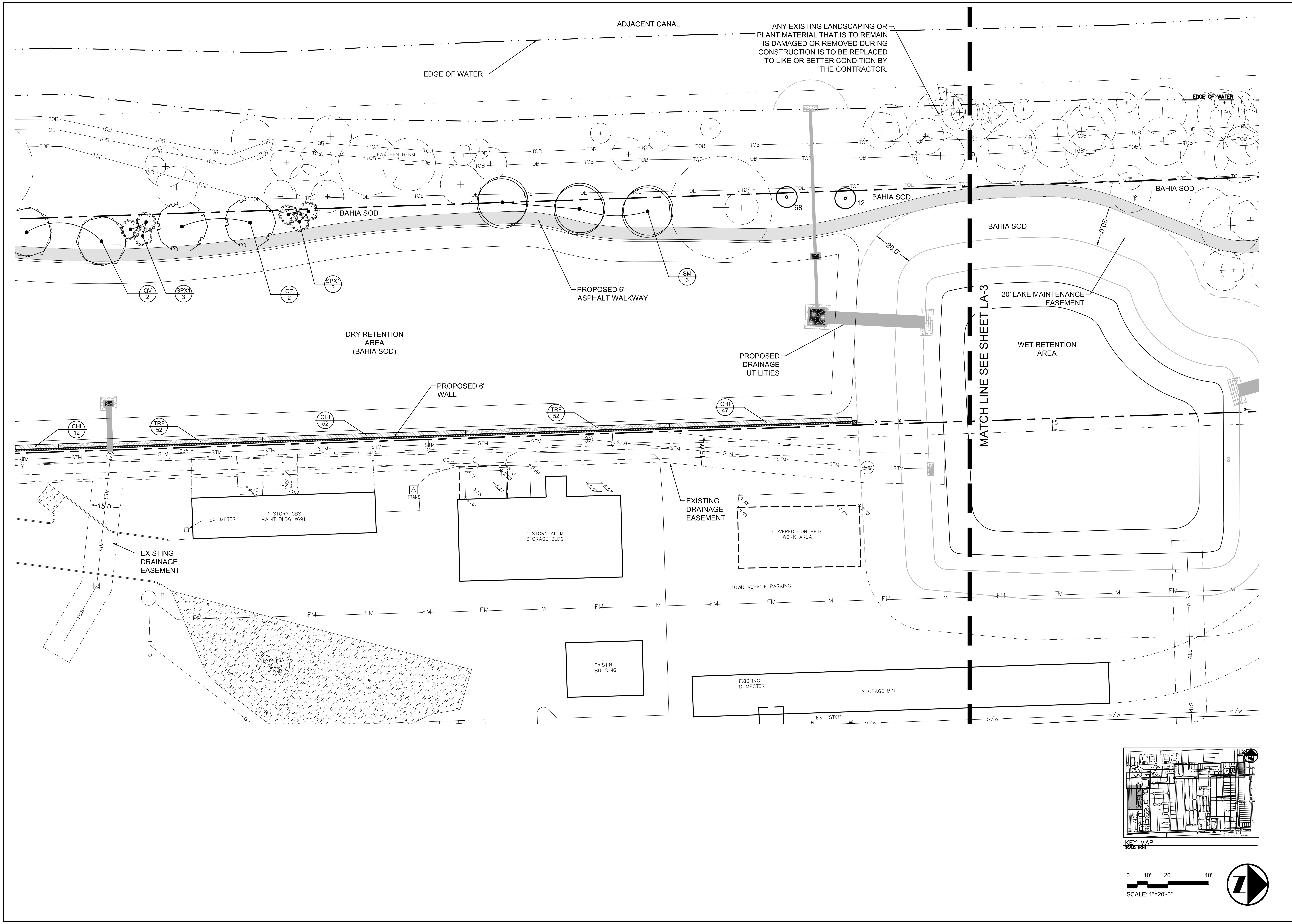
SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

LA-1

SHEET X OF X

B.C.H.C.E.D. REF. # 120118060



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DATE:	12/02/13
SCALE:	1"=20'
DESIGN BY:	SWP
DRAWN BY:	SWP
CHECKED BY:	JDH
APPROVED BY:	SWP

	DESCRIPTION:	BY:	DATE:
4	REVISED PER ROW DEDICATION	SWP	11/11/15
3	REVISED PER DRC COMMENTS	SWP	11/07/14
2	REVISED PER DRC COMMENTS	SWP	07/18/14
1	REVISED PER DRC COMMENTS	SWP	03/14/14

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FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. 0000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

LANDSCAPE PLAN

SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

LA-2

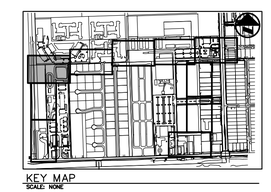
SHEET X OF X

B.C.H.C.E.D. REF. # 120118060

PROPOSED 6' WALL
EXISTING 20' DRAINAGE EASEMENT
PROPOSED DRAINAGE UTILITIES
PROPOSED FORCE MAIN
EXISTING TREES TO REMAIN
BAHIA SOD
DRY RETENTION AREA (BAHIA SOD)
PROPOSED 6' ASPHALT WALKWAY
ANY EXISTING LANDSCAPING OR PLANT MATERIAL THAT IS TO REMAIN IS DAMAGED OR REMOVED DURING CONSTRUCTION IS TO BE REPLACED TO LIKE OR BETTER CONDITION BY THE CONTRACTOR.
EXISTING DRAINAGE EASEMENT
20' LAKE MAINTENANCE EASEMENT
WET RETENTION AREA
EXISTING UTILITY EASEMENT
EXISTING UNDERGROUND FPL
EXISTING UNDERGROUND CABLES
CELL TOWER COMPOUND 6'CLF
PROPOSED ADDITIONAL PARKING LOT
15' LIGHT SETBACK
EX. CONC. WALL
MATCH LINE SEE SHEET LA-4
MATCH LINE SEE SHEET LA-2

PUBLIC WORKS LANDSCAPE DATA:

JURISDICTION:	TOWN OF DAVIE, FLORIDA	
LAND USE DESIGNATION:	CF- COMMUNITY FACILITY	
ZONING DISTRICT:	CF- COMMUNITY FACILITY	
GROSS SITE AREA:	406,935 SF (9.39 AC)	100%
NET SITE AREA:	406,935 SF (9.39 AC)	100%
LANDSCAPE AREA:	179,884 SF (4.13 AC)	44%
IMPERVIOUS AREA:	172,053 SF (3.95 AC)	42%
LAKE AREA:	13,635 SF (31 AC)	3%
BUILDING COVERAGE AREA:	43,363 SF (1.00 AC)	11%
TABLE 12-32.510(C): BUILDING SETBACK REQUIREMENTS:		
BUILDING SETBACK:	N/A EXISTING BUILDINGS TO REMAIN, NO ADDITIONS	
SEC. 12-111: LANDSCAPING STANDARDS FOR SITES:		
PERIMETER BUFFER:	N/A FOR COMMUNITY FACILITY SITES	
SEC. 12-112: LANDSCAPING FOR PARKING LOTS- PARKING LOT ADDITION ONLY		
MIN. 15% OF VUA TO BE OPEN SPACE:		
VUA= 22,707 SF X 15%= 3,406 SF REQ.	3,450 SF PLUS PROVIDED, WITH EXISTING PERVIOUS ON SITE	
1 TREE PER ISLAND		
11 PROP. ISLANDS= 11 TREES REQUIRED	11 TREES PROVIDED	
1 TREE PER 200 SF REMAINING		
2,198 SF/ 200= 11 TREES REQUIRED	11 TREES PROVIDED (within playground site)	
SEC. 12-103 (J) (2): TURFGRASS:		
NO MORE THAN 50% OF PERVIOUS AREA TO BE IN TURFGRASS		
TOTAL PERVIOUS= 4,337 SF		
MAX. 2,169 SF ALLOWED	2,069 SF PROVIDED TURFGRASS	


KEY MAP
SCALE: NONE

0 10' 20' 40'
SCALE: 1"=20'-0"

	DATE:	SCALE:	DESIGN BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
	12/02/13	1"=20'	SWP	SWP	JDH	SWP

	DESCRIPTION:	BY:	DATE:
1	REVISED PER TOWN COMMENTS	SWP	05/18/16
2	REVISED PER ROW DEDICATION	SWP	11/11/15
3	REVISED PER DRC COMMENTS	SWP	11/07/14
4	REVISED PER DRC COMMENTS	SWP	07/18/14
5	REVISED PER DRC COMMENTS	SWP	03/14/14

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FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. 0000414

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

LANDSCAPE PLAN

SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

LA-3

SHEET X OF X

R: \Landscape\2009\09-0056 DAVIE RETENTION\CURRENT\09-0056_LA.dwg [LA-3] Apr 24, 2017 9:19am SPEAVLER

B.C.H.C.E.D. REF. # 120118060

BUILDING
"STOP" SIGN
5640
PARKING
25' PRIVATE ACCESS/ UTILITY EASEMENT
8' FPL EASEMENT
SANITARY MH R.E.=5.39 I.E.=(-)3.64(E) 15"VCP I.E.=(-)2.98(W) 15"VCP
EX. 236' 15" VCP SS @ 0.09%
EX. 397' 15" VCP SS @ 0.12%
6' UTILITY EASEMENT
ANY EXISTING LANDSCAPING OR PLANT MATERIAL THAT IS TO REMAIN IS DAMAGED OR REMOVED DURING CONSTRUCTION IS TO BE REPLACED TO LIKE OR BETTER CONDITION BY THE CONTRACTOR.
25.0'
SANITARY MH R.E.=4.82 I.E.=(-)4.03(S) 24"UNK I.E.=(-)4.09(E) 24"UNK I.E.=(-)3.49(W) 15"VCP BOTTOM=(-)4.02
EX. 6" SS
EX. 357'
6' VINYL FENCE
SANITARY MH R.E.=4.36 I.E.=(-)1.06(N) 8"VCP I.E.=(-)3.38(E) 15"VCP I.E.=(-)3.26(W) 15"VCP BOTTOM=(-)3.34
ATT BOXES
ATT CONTROL BOX ON CONC SLAB
"END OF ROAD" SIGN
RED REFLECTOR
LIGHT POLE BASE ONLY
EX. 24" SS
S.W. 68TH AVENUE 50' R/W
S.W. 42ND COURT
"STOP" SIGN AND 2-D3 STREET SIGNS
MATCH LINE SEE SHEET LA-3

KEY MAP
SCALE: NONE

0 10' 20' 40'
SCALE: 1"=20'-0"

	DATE:	SCALE:	DESIGN BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
	12/02/13	1"=20'	SWP	SWP	JDH	SWP

	DESCRIPTION:	BY:	DATE:
1	REVISED PER DRC COMMENTS	SWP	11/07/14

CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL.: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. 000014

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

LANDSCAPE PLAN

SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

LA-4

SHEET X OF X

R: \Landscape \2009 \09-0056 DAVIE RETENTION \CURRENT \09-0056_LA.dwg [LA-4] Apr 24, 2017 9:19am SPEAVLER

B.C.H.C.E.D. REF. # 120118060

MATCH LINE SEE SHEET LA-6

BUILDING
15-HDPE
3385
3554
3614
3559
3557
3556
SPX2 4
SPX2 6
25' SIGHT TRIANGLE
S.W. 44TH STREET
30'
EX. 146'-10" PVC @ 0.29%
4x4 WOOD POST
ABANDONED WOOD POLE
N. LINE OF THE S. 266.77' OF TRACT 47
SANITARY MH
R.E.=6.37
I.E.=1.27(S)
I.E.=0.27(W)
I.E.=0.27(N)
SANITARY MH
DIM. 4.64
I.E.=(-)0.83(N) 10"PVC
I.E.=(-)0.74(E) 10"PVC
SANITARY MH
R.E.=4.66
I.E.=0.91
CATCH BASIN
R.E.=5.46
I.E.=3.90(SE)
CATCH BASIN
R.E.=6.96
DID NOT AS-BUILT
15-CMP
H/C SIGN (TYP.)
PROPOSED 50' ROADWAY DEDICATION
S.W. 65TH WAY (RODEO WAY)
CATCH BASIN
R.E.=5.83
I.E.=3.90(NW)
I.E.=3.20(E)
I.E.=2.40(S)
CATCH BASIN
R.E.=6.89
I.E.=3.20(W)
EX. 250'-8" PVC @ 0.36%
N. 01°45'02" W. 266.80'
TEL J-BOX
CATCH BASIN
R.E.=4.68
I.E.=1.66(N)
I.E.=0.75(SE)
CATCH BASIN
R.E.=4.63
I.E.=1.91(NW)
C.O.
I.E.=2.13
18-CMP
N. 01°45'02" W 266.80'
S.W. 65TH AVENUE
12-PVC
SANITARY MH
R.E.=6.88
I.E.=2.18(N) 8"PVC
TERMINAL MANHOLE
BUILDING
BUILDING
BUILDING
SW 65th WAY
CATCH BASIN
R.E.=5.94
DID NOT AS-BUILT
CATCH BASIN
R.E.=6.45
I.E.=2.40(E)
I.E.=2.40(N)
CATCH BASIN
R.E.=7.12
I.E.=2.70(W)
50'
N01°43'08"W 25.00'
12-CMP
12-CMP
12-CMP
"STOP" SIGN AND 2-D3 STREET SIGNS
WOODEN INFORMATIONAL SIGN
SIGN
SIGN
SOUTH LINE OF TRACT 47
"SPEED LIMIT 30" SIGN
N88°10'55"E 105.34'
NORTH R/W LINE S.W. 45TH STREET
23+00
24+00
25+00
26+00
27+00
28+00
S.W. 45TH STREET (ORANGE DRIVE)
36' R/W PER O.R.B. 13083, PG. 977
36' R/W PER O.R.B. 13083, PG. 977 N.88°11'14"E.
ORANGE DRIVE
(SW 45TH STREET)
YELLOW REFLECTORS
DECORATIVE DIRECTIONAL SIGN
SCHOOL ADVANCE SIGN
C.O.

KEY MAP
SCALE: NONE

0 10' 20' 40'
SCALE: 1"=20'-0"

DATE:	12/02/13
SCALE:	1"=20'
DESIGN BY:	SWP
DRAWN BY:	SWP
CHECKED BY:	JDH
APPROVED BY:	SWP

	BY:	DATE:
1 REVISED PER DRC COMMENTS	SWP	07/18/14

DESCRIPTION:

CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL.: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. 000014

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

LANDSCAPE PLAN- OFF SITE

SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

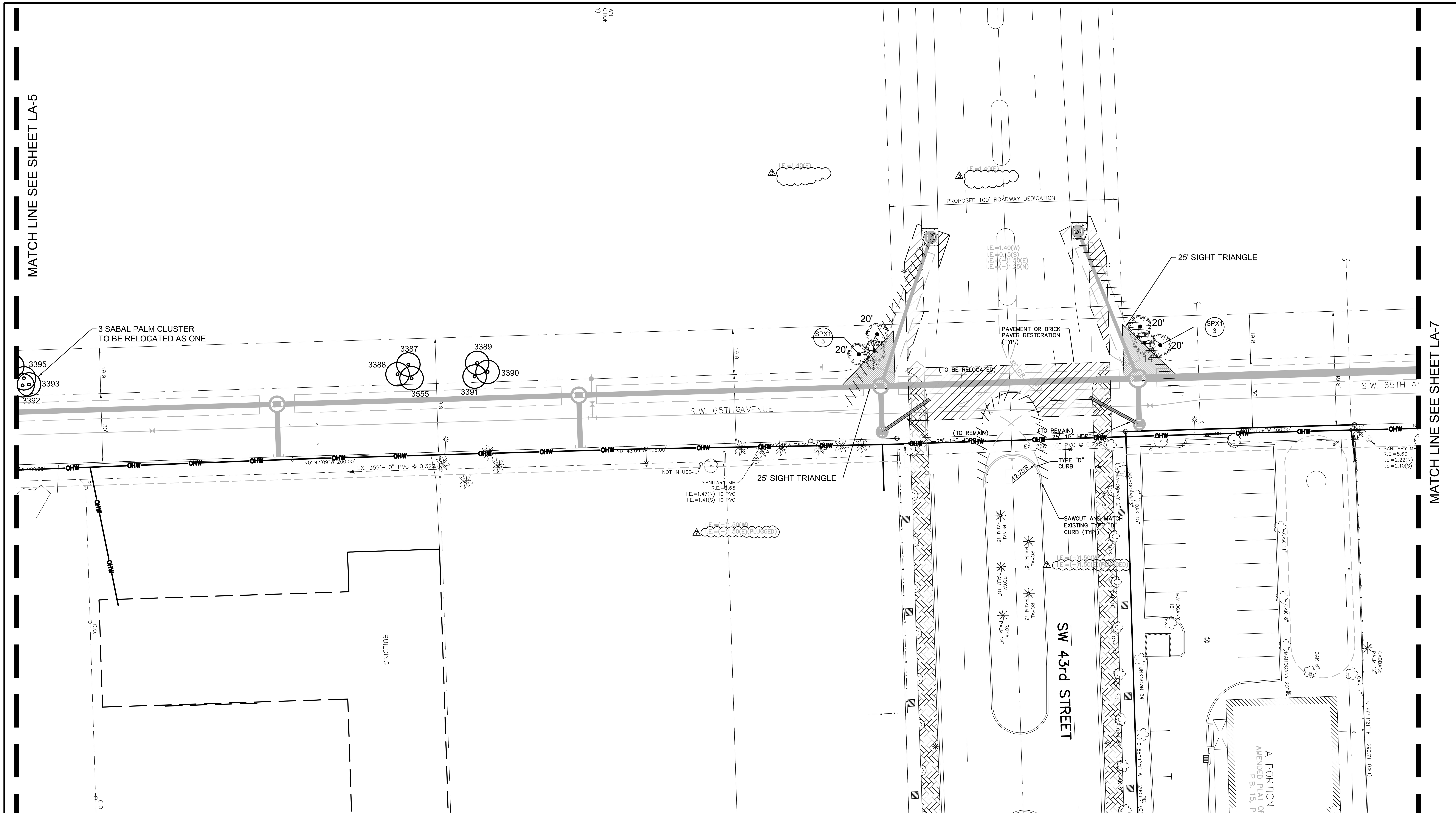
PROJECT NO.
09-0056-001-01

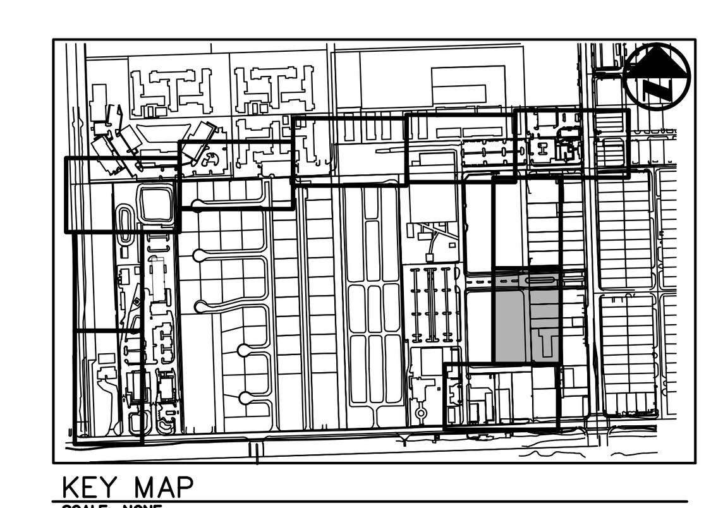
LA-5

SHEET X OF X

R: \Landscape\2009\09-0056 DAVIE RETENTION\CURRENT\09-0056_LA.dwg [LA-5] Apr 24, 2017 9:19am SPEAVLER

B.C.H.C.E.D. REF. # 120118060


MATCH LINE SEE SHEET LA-5
MATCH LINE SEE SHEET LA-7
3 SABAL PALM CLUSTER
TO BE RELOCATED AS ONE
3395
3393
3392
3388
3387
3555
3389
3390
3391
PROPOSED 100' ROADWAY DEDICATION
25' SIGHT TRIANGLE
20'
SPX1
3
PAVEMENT OR BRICK
PAVER RESTORATION
(TYP.)
(TO BE RELOCATED)
(TO REMAIN)
S.W. 65TH AVENUE
S.W. 65TH A
NOT IN USE
SANITARY MH
TYPE "D"
CURB
SAWCUT AND MATCH
EXISTING TYPE "D"
CURB (TYP.)
ROYAL
PALM 18"
ROYAL
PALM 13"
SW 43rd STREET
BUILDING
C.O.
MAHOGANY
OAK
CABBAGE
PALM 12"
UNKNOWN 24"
A PORTION
AMENDED PLAT
SANITARY MH
R.E.=5.60
I.E.=2.22(N)
I.E.=2.10(S)
0 10' 20' 40'
SCALE: 1"=20'-0"



1	REVISED PER DRC COMMENTS	SWP	07/18/14
	DESCRIPTION:	BY:	DATE:

DATE: 12/02/13
SCALE: 1"=20'
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FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. 0000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

LANDSCAPE PLAN- OFF SITE

SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

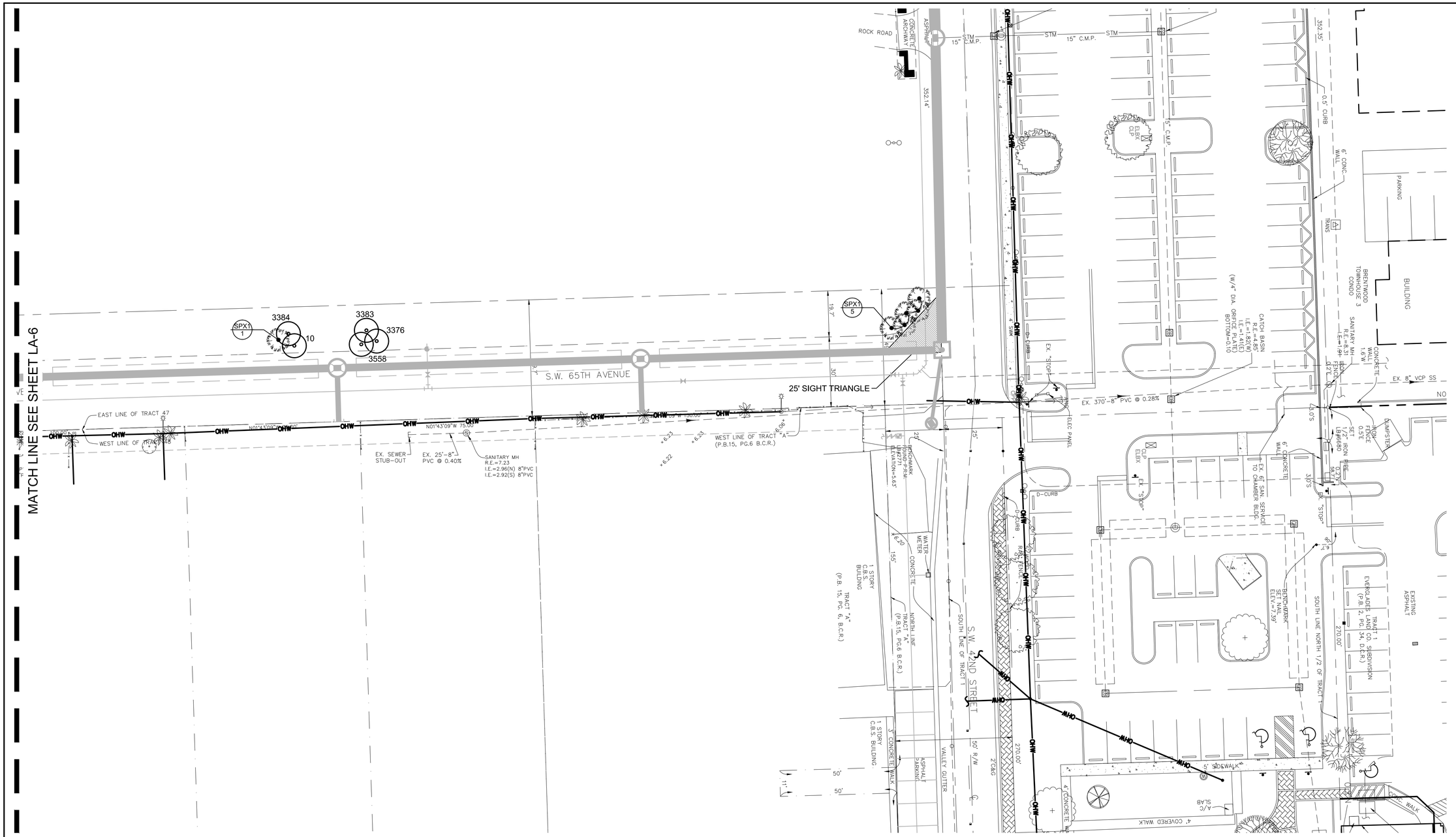
LA-6

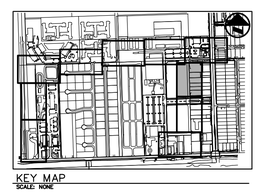
SHEET X OF X

R:\Landscape\2009\09-0056 DAVIE RETENTION\CURRENT\09-0056_LA.dwg [LA-6] Apr 24, 2017 9:19am SPEAVLER

B.C.H.C.E.D. REF. # 120118060

MATCH LINE SEE SHEET LA-6





KEY MAP
SCALE: NONE

0 10' 20' 40'
SCALE: 1"=20'-0"

	DATE:	12/02/13
	SCALE:	1"=20'
	DESIGN BY:	SWP
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	DESCRIPTION:	BY:	DATE:
1	REVISED PER DRC COMMENTS	SWP	07/18/14

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FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. 0000414

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

LANDSCAPE PLAN- OFF SITE

SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

LA-7

SHEET X OF X

R: \Landscape\2009\09-0056 DAVIE RETENTION\CURRENT\09-0056_LA.dwg [LA-7] Apr 24, 2017 9:19am SPEAVLER

GENERAL NOTES

1. A PRE-CONSTRUCTION MEETING WITH THE TOWN OF DAVIE LANDSCAPE ARCHITECT IS REQUIRED PRIOR TO LANDSCAPING ACTIVITIES INCLUDING REMOVAL OF TREES AND/OR INSTALLATION OF PLANT MATERIAL. CALL A MINIMUM OF 5 DAYS PRIOR TO DESIRED START DATE TO SCHEDULE PRE-CONSTRUCTION MEETING.
2. ALL EXISTING TREES PROPOSED TO REMAIN ARE TO BE SEPARATED FROM THE LIMITS OF DISTURBANCE OF THE CONSTRUCTION AREA BY TREE PROTECTION FENCING AND SIGNAGE. THE TREE PROTECTION FENCING SHALL BE LOCATED AT THE EDGE OF THE TREE PROTECTION ZONE AS DEPICTED ON THE PLAN OR AT THE EDGE OF THE DRIPLINE(S) IF A TREE PROTECTION ZONE IS NOT DESIGNATED. NO MATERIAL STORAGE OR CONSTRUCTION ACCESS IS PERMITTED WITHIN THE TREE PROTECTION ZONE.
3. ALL EXISTING TREES SHALL BE PRUNED TO ANSI A-300 STANDARDS TO CORRECT POTENTIAL HAZARDS.
4. A TREE REMOVAL PERMIT IS REQUIRED PRIOR TO REMOVAL OR RELOCATION OF ANY TREE OR PALM. CONTACT THE TOWN OF DAVIE LANDSCAPE ARCHITECT TO OBTAIN PERMIT INFORMATION.
5. LANDSCAPE CONTRACTOR SHALL NOTIFY SUNSHINE ONE CALL OF FLORIDA, INC. AT 1-800-432-4770 A MINIMUM OF 2 FULL BUSINESS DAYS PRIOR TO DIGGING. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR AVOIDING DAMAGE TO UTILITIES FROM PLANT INSTALLATION.
6. TREE RELOCATIONS:
   A. EXISTING TREES TO BE RELOCATED SHALL BE ROOT PRUNED A MINIMUM OF 120 DAYS PRIOR TO RELOCATION
   B MINIMUM ROOT BALL SIZES SHALL BE IN ACCORDANCE WITH ANSI STANDARDS AS FOLLOWS:

CALIPER	MINIMUM ROOT BALL DIAMETER
1	16
2	24
3	32
4	42
5	54
6	60
7	70
8	80
>8	12 INCHES PER INCH OF TRUNK DIAMETER

   TRANSPLANTED TREES WITH UNDERSIZED ROOT BALLS MAY BE REJECTED BY THE TOWN ARBORIST AND REPLACEMENT TREES MAY BE REQUIRED.
   C. A TEMPORARY IRRIGATION SYSTEM SHALL BE PROVIDED DURING AND FOR THE FIRST 40 DAYS AFTER ROOT PRUNING.
7. ALL PLANTING MUST FOLLOW PLANTING SPECIFICATIONS AND DETAILS SHOWN ON THE PLAN.
8. SUBSTITUTIONS OF PLANT SPECIES OR SPECIFICATIONS MUST BE APPROVED IN WRITING BY THE TOWN OF DAVIE LANDSCAPE ARCHITECT PRIOR TO USE.
9. ALL PLANT MATERIAL PLANTED PER THIS LANDSCAPE PLAN SHALL BE FLORIDA GRADE #1 OR BETTER, AS SPECIFIED IN THE CURRENT EDITION OF THE FLORIDA DEPARTMENT OF AGRICULTURE'S GRADES AND STANDARDS FOR NURSERY PLANTS. DAMAGED PLANT MATERIAL SHALL BE REJECTED AND REPLACED PRIOR TO INSTALLATION.
10. ALL SIZES SHOWN FOR PLANT MATERIAL ARE TO BE CONSIDERED MINIMUMS.
11. WHERE QUANTITIES AND/OR SPECIES DIFFER BETWEEN THE PLANTING PLANS AND PLANT LISTS, THE PLANS SHALL TAKE PRECEDENCE.
12. ALL NEW PLANT MATERIAL SHALL BE WARRANTED BY THE LANDSCAPE CONTRACTOR FOR A MINIMUM PERIOD OF ONE YEAR. THE WARRANTEE PERIOD SHALL BEGIN AFTER ACCEPTANCE OF THE PLANTS BY THE TOWN .
13. PLANT BEDS TO BE TREATED WITH PRE-EMERGENT HERBICIDE PRIOR TO PLANTING
14. ALL TREE AND PALM STAKING AND SUPPORT SHALL BE REMOVED ONE YEAR AFTER INSTALLATION.
15. NO FERTILIZER SHALL BE APPLIED TO NEWLY PLANTED TREES AND PALMS.
16. ALL LANDSCAPE MATERIAL SHALL BE THOROUGHLY WATERED AT THE TIME OF PLANTING, NO DRY PLANTING PERMITTED.
17. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY WATER PROVISIONS UNTIL SUCH TIME AS THE IRRIGATION SYSTEM IS OPERATIONAL.
18. ALL WIRE GUYS AND/OR FABRIC STRAPS SHALL BE FLAGGED WITH FLORESCENT COLORED TAPE.
19. MULCHING:
   A. ALL LANDSCAPE AREAS NOT COVERED BY SOD SHALL BE COVERED BY A MINIMUM 3-INCH LAYER OF CLEAN FLORA MULCH.
   B. A MULCH RING WITH A MINIMUM RADIUS OF 24 INCHES (48 INCH DIAMETER), IS REQUIRED AROUND ALL NEWLY INSTALLED TREES AND PALMS.
   C. MATCH EXISTING MULCH COLOR.
   D. NO MULCH SHALL BE PLACED TOUCHING OR WITHIN THREE INCHES OF THE TRUNK OF A TREE OR PALM.
20. ALL NEWLY LANDSCAPED AREAS SHALL BE EXCAVATED DOWN TO A DEPTH OF 30 INCHES BELOW FINAL GRADE AND BACK FILLED WITH CLEAN DEBRIS-FREE SOIL. EXISTING SOIL MAY BE RE-USED FOR BACKFILLING IF DEBRIS IS REMOVED AND ORGANIC CONTENT IS SUFFICIENT OR SOIL IS AUGMENTED WITH TOPSOIL. CONSTRUCTION ACCESS SHALL BE RESTRICTED FROM THE LANDSCAPE AREA AFTER EXCAVATION AND BACKFILL IS COMPLETE.
21. ALL LANDSCAPE AREAS SHALL BE FINISH GRADED SUCH THAT THEY ARE A MINIMUM OF 3.5 INCHES BELOW SURROUNDING PAVED SURFACES SO AS NOT TO IMPEDE THE FLOW OF DRAINAGE INTO LANDSCAPED AREAS AND TO ALLOW FOR A 3-INCH MULCH LAYER.
22. THE LOCATION OF PLANT MATERIAL AS SHOWN ON THESE PLANS IS FINAL. THE FINAL LOCATIONS CAN BE ADJUSTED ON SITE TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS. THESE CHANGES MUST COMPLY WITH ALL SAFETY SETBACK CRITERIA AND BE DIRECTED OR APPROVED BY THE LANDSCAPE ARCHITECT AND THE TOWN OF DAVIE CODES.
23. REPORT ANY AND ALL DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND FIELD CONDITIONS TO THE LANDSCAPE ARCHITECT IMMEDIATELY.
24. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT COUNTS AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
25. BEFORE CONSTRUCTION BEGINS THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING CONSTRUCTION. IF SUCH DAMAGE OCCURS THE CONTRACTOR IS RESPONSIBLE FOR ANY NECESSARY REPAIRS AND THEY SHOULD BE MADE IMMEDIATELY AT THE CONTRACTORS EXPENSE WITH SUPERVISION OF THE LANDSCAPE ARCHITECT.
26. ALL WORK MUST COMPLY WITH THE FLORIDA STATE STATUTE 553.81- "PROTECTION OF UNDERGROUND PIPELINES."
27. THE CONTRACTOR MUST COMPLY WITH ALL STATE AND LOCAL WATER QUALITY STANDARDS.
28. THE LOCATION OF ALL THE UTILITIES SHOWN ON THE PLAN IS APPROXIMATE. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR ON SITE. ALL PLANTING MAY BE ADJUSTED TO AVOID CONFLICTS WITH UTILITIES AND/OR EXISTING ABOVE GROUND ELEMENTS. ANY ADJUSTMENTS GREATER THAN 10 FEET SHALL BE DONE ONLY WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT.
29. CAUTION SHOULD BE EXERCISED WHEN WORKING NEAR EXISTING PLANTING AND ANY FURNISHING THAT IS TO REMAIN ON SITE TO PREVENT ANY DAMAGE. ANY SIGNS, STRUCTURES, OR PLANTING SHALL BE REPLACED AT THE CONTRACTORS EXPENSE IF DAMAGED BEYOND USE. DAMAGED BEYOND USE WILL BE DETERMINED BY THE LANDSCAPE ARCHITECT.
30. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE DISTRICT LOCATION SURVEYOR IMMEDIATELY.
31. MAINTENANCE OF TRAFFIC FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. DEPARTMENT OF TRANSPORTATION, F.H.W.A.). ATTENTION IS DIRECTED TO STANDARD INDEX NUMBER 623 OF THE ROADWAY AND TRAFFIC DESIGN STANDARDS.
32. THE CONTRACTOR SHALL INSURE THAT INSTALLATION OF ALL PLANTING IN MEDIANS AND RIGHT OF WAYS CONFORMS TO CRITERIA SET FORTH IN F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS AND IN F.D.O.T. MAINTENANCE RATING PROGRAM.
33. ANY MAINTENANCE THAT INVOLVES TRAFFIC ACTIVITY SHALL BE COORDINATED WITH THE CONTRACTOR AND ONGOING CONSTRUCTION ACTIVITIES.
34. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL WORK AREAS AT THE END OF EACH WORKING DAY. ANY DEBRIS SHALL BE COLLECTED AND DEPOSITED APPROPRIATELY OFF SITE DAILY. ALL MATERIALS, PRODUCTS, AND EQUIPMENT SHALL BE STORED IN AN ORGANIZED FASHION AS DIRECTED BY THE LANDSCAPE ARCHITECT.
35. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS THAT ARE REQUIRED BY THE TOWN FOR TREE REMOVAL, RELOCATION, TREE PROTECTION OR INSTALLATION BEFORE BEGINNING WORK.
36. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED BY INSTALLING PROTECTIVE BARRIERS AROUND THE DRIP LINE OF TREES. THESE PROTECTIVE BARRIERS SHALL BE SEEN EASILY BY OPERATORS OF TRUCKS AND OTHER EQUIPMENT. THEY SHALL BE CONSTRUCTED OF STURDY MATERIALS (NOT FLAGGING OR RIBBON) AND SHALL BE INSTALLED PRIOR TO AND DURING CONSTRUCTION.
37. DO NOT STORE OR USE ANY MATERIALS OR EQUIPMENT WITHIN THE DRIP LINE OF ANY TREE THAT IS TO BE RELOCATED OR PROTECTED IN PLACE UNLESS THE ACTIVITY IS BEING DONE TO PROTECT THE TREES.
38. DO NOT DISCHARGE OR CONTAMINATE THE SOIL WITHIN THE DRIP LINE OF ANY OF THE TREES TO BE RELOCATED OR PROTECTED IN PLACE. THIS INCLUDES SUBSTANCES SUCH AS PAINT, OIL, SOLVENTS, PETROLEUM PRODUCTS, ASPHALT, CONCRETE, MORTAR, OR ANY OTHER MATERIAL THAT MAY CAUSE DAMAGE TO THE TREE'S ROOT SYSTEM.
39. CLEARING OF VEGETATION WITHIN THE DRIP LINE OF THE TREES DESIGNATED TO BE PROTECTED IN PLACE OR RELOCATED SHALL BE PERFORMED CAUTIOUSLY WITH HAND TOOLS TO MINIMIZE ANY DAMAGE TO THE TREE'S ROOT SYSTEM.
40. DO NOT ATTACH ANYTHING TO TREES THAT ARE TO REMAIN ON THE SITE UNLESS IT IS SOMETHING THAT WILL PROTECT AND NOT DAMAGE THE TREE.
41. KEEP A NATURAL GRADE ABOVE THE DRIP LINE ON ANY TREE THAT IS TO BE PROTECTED IN PLACE. ANY PRESERVED TREES DISTURBED DURING CONSTRUCTION MUST BE RETURNED TO ITS ORIGINAL GRADE AFTER CONSTRUCTION.
42. ALL LANDSCAPE AND PLANTING SHALL COMPLY WITH TOWN OF DAVIE LAND USE POLICY AND CODES.

LANDSCAPE NOTES

1. ALL PLANT MATERIAL FURNISHED BY THE LANDSCAPE CONTRACTOR UNLESS OTHERWISE SPECIFIED SHALL BE FLORIDA NO. 1 GRADE OR BETTER, AND SHALL BE INSTALLED AS SPECIFIED IN "GRADES AND STANDARDS FOR NURSERY PLANTS," PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANT MATERIAL MUST BE HEALTHY, VIGOROUS MATERIALS, FREE OF PESTS AND DISEASES.
2. ALL SIZES SHOWN FOR PLANT MATERIAL ON THE PLAN ARE TO BE CONSIDERED AS MINIMUMS. ALL PLANT MATERIAL MUST MEET OR EXCEED THESE MINIMUM REQUIREMENTS FOR BOTH HEIGHT AND SPREAD. ANY OTHER REQUIREMENTS FOR SPECIFIC SHAPE OR EFFECT AS NOTED ON THE PLAN OR SPECIFICATIONS WILL ALSO BE REQUIRED FOR ACCEPTANCE. ANY SUBSTITUTIONS MUST BE APPROVED BY LANDSCAPE ARCHITECT BEFORE PLANTING.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL PLANTING MEETING SPECIFICATIONS AS NOTED BEFORE INSTALLATION. CONTRACTOR SHALL IMMEDIATELY REMOVE ALL PLANTING THAT DOES NOT MEET SPECIFICATIONS AND BE HELD RESPONSIBLE TO REPLACE IT WITH APPROPRIATE PLANTING.
4. IN THE EVENT OF A VARIATION BETWEEN THE PLANT LISTS AND THE ACTUAL QUANTITY OF PLANTS SHOWN, THE PLANS HOLD TRUE.
5. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL PLANT QUANTITIES AS INDICATED ON THE PLANT LIST, AS WELL AS ALL SOD AREAS. IF DISCREPANCIES ARE FOUND, THE LANDSCAPE ARCHITECT IS TO BE NOTIFIED IMMEDIATELY.
6. ALL ROOT BALLS SHALL CONFORM TO THE SIZE STANDARDS SET FORTH
7. CONTRACTOR TO SUBMIT TO THE LANDSCAPE ARCHITECT THE GROWERS AND/OR SITE INSPECTION CERTIFICATE FOR PLANT MATERIALS TWO (2) WEEKS PRIOR TO COMMENCEMENT OF WORK.
8. ALL PLANT MATERIALS MUST BE PROTECTED DURING TRANSPORT AND DELIVERY TO THE JOB SITE WITH SHADE CLOTH OR OTHER ACCEPTABLE MEANS OF WINDBURN PREVENTION.
9. CONTRACTORS SHALL FIELD VERIFY ALL INFORMATION PRIOR TO INITIATING PLANTING INSTALLATION. ALL EXISTING PLANTING SHALL REMAIN INTACT AND UNDISTURBED UNLESS OTHERWISE NOTED ON THE PLANS.
10. LANDSCAPE CONTRACTOR SHALL FIELD STAKE THE LOCATION OF ALL PLANT MATERIAL PRIOR TO INSTALLATION FOR THE REVIEW AND APPROVAL OF THE LANDSCAPE ARCHITECT.
11. ALL TREES MUST BE FLORIDA #1, STRAIGHT TRUNKED, FULL HEADED, AND MEET ALL REQUIREMENTS SPECIFIED.
12. CONTRACTOR TO GUARANTEE PLANT MATERIAL FOR A FULL YEAR ESTABLISHMENT PERIOD FOLLOWING DATE OF SUBSTANTIAL COMPLETION.
13. CONTRACTOR TO REPLACE REJECTED PLANT MATERIAL WITHIN ONE WEEK OF NOTICE.
14. CONTRACTOR TO REQUEST INSPECTION OF PROJECT IN WRITING. IF ALL WORK IS SATISFACTORY AND COMPLETE IN ACCORDANCE WITH CONDITIONS OF CONTRACT DOCUMENTS, THEN THE TOWN AND LANDSCAPE ARCHITECT SHALL DECLARE SUBSTANTIALLY COMPLETE. SUBSTANTIAL COMPLETION CONSTITUTES THE BEGINNING OF THE GUARANTEE PERIOD.
15. INSTALLATION- ALL PLANT MATERIAL SHALL BE INSTALLED IN A SOUND WORKMANLIKE MANNER AND ACCORDING TO GOOD PLANTING PROCEDURES WITH THE QUALITY OF PLANT MATERIALS AS HEREINAFTER DESCRIBED. ALL ELEMENTS OF LANDSCAPING SHALL BE INSTALLED SO AS TO MEET ALL APPLICABLE ORDINANCES AND CODE REQUIREMENTS.
16. CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTAINING ALL TREES AND LANDSCAPE UNTIL FINAL ACCEPTANCE BY OWNER. CONTRACTOR SHALL INSURE THAT ALL DRAINAGE AND PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION OF PLANT MATERIAL. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF PLANTS IF DEAD OR DYING PRIOR TO FINAL ACCEPTANCE.
17. TYPICALLY, SHRUB AND GROUNDCOVER PLANTINGS ARE SHOWN AS MASS PLANTING BEDS. PLANTS SHOULD BE PLACED ON A TRIANGULAR SPACING SHOWN IN THE PLANTING DETAILS. PLANT CENTER TO CENTER DIMENSIONS (O.C.) ARE LISTED ON THE PLANT LIST.
18. TREES GROWN IN GROW BAGS OR GROW BAG TYPE MATERIAL MUST HAVE THE GROW BAG REMOVED ENTIRELY BEFORE PLANTING.
19. BALLED AND BURLAPPED MATERIAL SHALL HAVE THE TOP ONE HALF (½) OF THE BURLAP AROUND THE BASE OF THE TRUNK CUT AND PULLED BACK. DO NOT REMOVE THE BURLAP BUT WIRE CAGES, STRAPS, ETC. MUST BE CUT AND REMOVED COMPLETELY BEFORE INSTALLATION.
20. CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, PLANT LIST, GENERAL NOTES, AND ANY OTHER MATERIALS FROM THE LANDSCAPE ARCHITECT FOR COMPLETE LANDSCAPE PLANTING INSTRUCTIONS.
21. "BRANCH TOUCHING BRANCH" PROVIDED AT TIME OF INSTALLATION FOR ALL HEDGES.
22. THE FOLLOWING GUIDELINES SHALL BE FOLLOWED TO ENSURE SUCCESSFUL TRANSPLANTING OF TREES:
   a. ANY TREE BEING RELOCATED SHALL NOT BE UNNECESSARILY DAMAGED DURING REMOVAL, TRANSPORT, OR REPLANTING OF THAT TREE.
   b. TREES MUST BE ROOT PRUNED APPROPRIATELY PRIOR TO REMOVAL .
   c. DURING AND FOLLOWING TRANSPLANTING THE ROOT BALL MUST BE KEPT MOIST AT ALL TIMES.
   d. TRANSPLANTED TREES SHALL BE BRACED AT LEAST ONE FULL YEAR.
   e. TRANSPLANTED TREES SHALL NOT BE FERTILIZED AT PLANTING TIME BUT SHALL BE WATERED SUFFICIENTLY UNTIL THE TREE GROWTH IS REESTABLISHED.
   f. RELOCATED TREES/PALMS WILL BE MOVED IN ACCORDANCE WITH MINIMUM STANDARDS SET FORTH IN ANSI A-300
   g. ALL CROWN PRUNING SHALL BE DONE IN ACCORDANCE WITH NATIONAL ARBORIST ASSOCIATION STANDARDS OR PALM PRUNING IN ACCORDANCE WITH CITY STANDARDS.
23. LANDSCAPE CONTRACTOR SHALL REGRADE ALL AREAS DISTURBED BY PLANT REMOVAL, RELOCATION, AND/OR INSTALLATION WORK. LANDSCAPE CONTRACTOR SHALL REPLACE (BY EQUAL SIZE AND QUALITY) ANY AND ALL EXISTING PLANT MATERIAL DISTURBED OR DAMAGED BY PLANT REMOVAL, RELOCATION OR INSTALLATION.
24. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ALL PORTIONS OF EXISTING LAWN AREAS DAMAGED WHILE COMPLETING PLANTING INSTALLATION WITH SAME GRASS SPECIES TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT.
25. GENERAL GRADING TO APPROXIMATELY 1 INCH SHALL BE PROVIDED BY THE CONTRACTOR. ALL FINISHED SITE GRADING AND FINAL DECORATIVE BERM SHAPING SHALL BE PROVIDED BY THE LANDSCAPE CONTRACTOR.
26. ALL LANDSCAPE MATERIALS SHALL BE MAINTAINED TO PROVIDE CONTINUOUS CLEAR ZONES FOR SIGHT VISIBILITY FOR PEDESTRIANS AND VEHICULAR TRAFFIC AND LANDSCAPE MAINTENANCE SHALL CONFORM TO STANDARD INDEX 546 CRITERIA SET FORTH IN F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS.

SOIL PREPARATION, SOIL MIX, FERTILIZER, & MULCH NOTES:

1. ENSURE THAT ALL PLANTING SOIL IS FERTILE, FRIABLE, NATURAL LOAM SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY LUMPS, WEEDS AND OTHER LITTER, AND FREE OF ROOTS,STUMPS AND STONES LARGER THAN ONE INCH IN ANY DIMENSION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. SHOULD ANY SOIL AMENDMENT BE NECESSARY, THE CONTRACTOR SHALL BRING THIS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
2. APPLY APPROVED HERBICIDE- ACCORDING TO MANUFACTURERS RATE AND SPECS WITHIN LIMITS OF ALL AREAS TO BE PLANTED. PROTECT EXISTING PLANTS TO REMAIN FROM OVERSPRAY OR SPRAY WITHIN ROOT ZONE. CONTRACTOR TO ENSURE TOTAL WEED ERADICATION.
3. SCARIFY SUBSOIL TO A DEPTH OF 3 INCHES.
4. PLANTING MIX FOR TREES, SHRUBS, AND GROUNDCOVERS SHALL CONSIST OF A THOROUGHLY BLENDED MIXTURE OF:
   A. 50% SAND
   B. 50% MUCK
5. PLANTING MIX FOR BACKFILL AROUND ROOT BALLS OF PALMS:
   A. 90% NATIVE SAND FROM ON SITE OR APPROVED SUBSTITUTE
   B. 10% TOPSOIL
6. FERTILIZE ALL TREES, SHRUBS AND GROUNDCOVER WITH PLANTING TABLETS 20-20-5 FORMULA, 21 GRAM.
7. ALL SHRUB BEDS SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 30" AND BACK FILLED WITH THE SPECIFIED MIXTURE.
8. SMOOTH ALL PREPARED TOPSOIL TO 3" EXCEPT WITHIN DRIP LINES OF EXISTING TREES AND 4" BELOW TOP OF SURROUNDING PAVING EDGES. REMOVE ALL ROCKS AND OTHER OBJECTS OVER 1" IN DIAMETER.
9. FINISH GRADE ALL PREPARED TOPSOIL AREAS TO A SMOOTH, EVEN SURFACE ASSURING POSITIVE DRAINAGE AWAY FROM THE STRUCTURES AND ELIMINATE ANY LOW AREAS WHICH MAY COLLECT WATER.
10. TOPSOIL SHALL NOT BE EXTREMELY ACIDIC OR ALKALINE, NOR CONTAIN ANY TOXIC SUBSTANCE WHICH MAY BE HARMFUL TO PLANT GROWTH. THE PH SHALL BE IN THE RANGE OF 6.5-7.0.
11. CONTRACTOR SHALL MULCH ALL PLANTING MATERIAL THROUGHOUT AND COMPLETELY TO A 3 INCH DEPTH WITH CLEAN, WEED FREE FLORAMULCH
12. MINIMUM OF 2" TOPSOIL MUST BE ADDED UNDER ALL SODDED AREAS.

IRRIGATION NOTES:

1. XERISCAPE PRINCIPLES HAVE BEEN APPLIED TO THIS LANDSCAPE PLAN AS SPECIFIED IN SFWMD's XERISCAPE PLANT GUIDE II AND SHALL BE APPLIED ALL THROUGHOUT LANDSCAPE INSTALLATION AND MAINTENANCE.
2. THE CONTRACTOR SHALL MAINTAIN TEMPORARY IRRIGATION OR PROVIDE HAND WATERING FOR ALL RELOCATED TREES AND PALMS FROM NOTICE TO PROCEED UNTIL PERMANENT IRRIGATION SYSTEM IS OPERABLE.
3. THE IRRIGATION SYSTEM SHALL BE CONFIGURED TO ACCOMMODATE EXISTING TREES AND PALMS.
4. ALL LANDSCAPED AREAS MUST BE IRRIGATED IN ACCORDANCE WITH ALL LOCAL/ COUNTY REQUIREMENTS.
5. REMOVE EXISTING IRRIGATION EQUIPMENT WHICH INTERFERES WITH ANY CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, CONTROLLERS, SPRINKLER HEADS, PIPE, QUICK COUPLERS, BACKFLOW PREVENTERS, CONTROL WIRE AND CONDUITS. ADDITIONALLY THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE EXISTING SYSTEM THROUGHOUT THE CONSTRUCTION PROCESS.
6. LANDSCAPE CONTRACTOR SHALL COORDINATE ALL PLANTING WORK WITH IRRIGATION WORK. INSPECT IRRIGATION SYSTEM AND INSURE THAT ADEQUATE WATER IS AVAILABLE BEFORE BEGINNING PLANTING OPERATIONS. IRRIGATION SYSTEMS WILL NOT PROVIDE SUFFICIENT QUANTITIES OF WATER FOR NEWLY PLANTED MATERIALS. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DEEP ROOT HAND WATERING.

TOWN OF DAVIE LANDSCAPE NOTES:

- *All principals of Florida-Friendly landscaping and design standings shall be utilized.*
- *All landscaping shall meet or exceed Town of Davie code specification requirements.*
- *A tree removal and relocation permit must be obtained from the Town of Davie prior to commencement of any work.*
- *Call Sunshine One Call Service at 1-800-432-4700 before you dig.*
- *All landscaping shall be warranted for 1 year after final acceptance.*
- *All groundcover shall be installed at 75% coverage and 100% within 6 months after final acceptance.*
- *All Landscape islands and medians shall be excavated to a depth of 30" and backfilled with the specified planting mix. Also, landscape areas or planters along the buildings require excavation to a depth of 12" and backfilled with specified planting soil mix.*
- *No landscape substitutions shall be made without the Town of Davie approval.*
- *An underground, rust free, automatic irrigation system with a rain sensor shall be installed with 100% overlap prior to final inspection. Also, irrigation plans shall be submitted for review and permitting at time of application for building permit.*
- *All PVC risers must be pained flat black and irrigation system shall have no overspray onto impervious areas.*
- *All trees and palms shall be braced or guyed and all nylon straps or wood bracing shall be removed within one year of final inspection.*
- *The planting soil must be 50% muck and 50% sand and must free of construction debris, weeds, rocks and ph between 6.5 and 7.0.*
- *All plant material shall receive at minimum NPK fertilizer with minor trace elements and that 50% of the nitrogen must be derived from an organic source.*
- *All plants to be top dressed with 3" deep layer of arsenic free organic mulch.*
- *All trees or palms in lawn areas shall receive a 4 foot diameter mulch ring around the trees and the mulch must be pulled away 3" from the trunks.*
- *All above ground elements, including but not limited to a/c units, transformers, dumpsters and irrigation pumps shall be screened with landscaping to 36"at installation.*
- *All sod to be healthy, weed/pest free (including fungus and disease) St. Augustine; laid smooth with tight alternating/abutting joints which conform to curbs and planters.*
- *All plant root balls shall be 10% above grade and the wire baskets, burlap, string and rope must be removed.*
- *All fire hydrants and fire check valves shall have a minimum 7.5' clearance from the front and sides with 4' clearance from the rear to all landscape material.*
- *All lights shall have a minimum 15' separation on large trees and 7.5' on palms.*
- *All planting pits shall be a minimum of 3X the root ball diameter.*
- *All trees trimming shall be done in accordance to Town of Davie requirements.*
- *All existing landscaping, including but not limited to tree, palms, shrubs, groundcover, sod, irrigation, grading, and curbing destroyed during the construction shall be restored/replaced prior to final inspection.*
- *Remove all invasive exotic plants from the site.*
- *All owners of the land or their agents shall be responsible for the maintenance of the landscaping.*
- *All planting to be done in accordance to proper horticultural practices.*
- *Call the City of Town of Davie landscape inspector to schedule a pre-construction landscape meeting prior to commencement of construction.*

DATE:	12/02/13
SCALE:	NTS
DESIGN BY:	SWP
DRAWN BY:	SWP
CHECKED BY:	JDH
APPROVED BY:	SWP

	DESCRIPTION:	BY:	DATE:
1	REVISED PER DRC COMMENTS	SWP	07/18/14

CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL.: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

LANDSCAPE NOTES

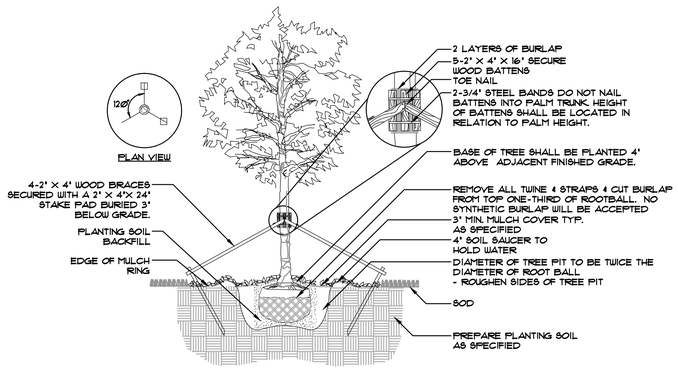
SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

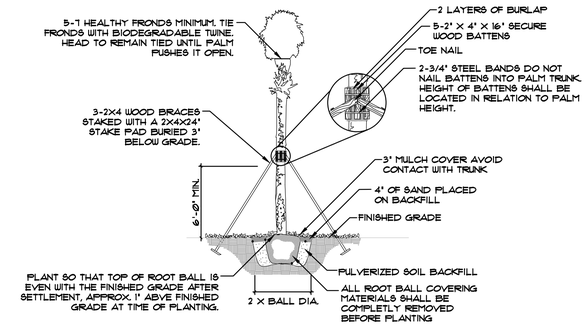
LA-8

SHEET X OF X

R:\Landscape\2009\09-0056 DAVIE RETENTION\CURRENT\09-0056_LA.dwg [LA-8] Apr 24, 2017 9:20am SPEAVLER



1 CANOPY TREE PLANTING DETAIL
SECTION NTS



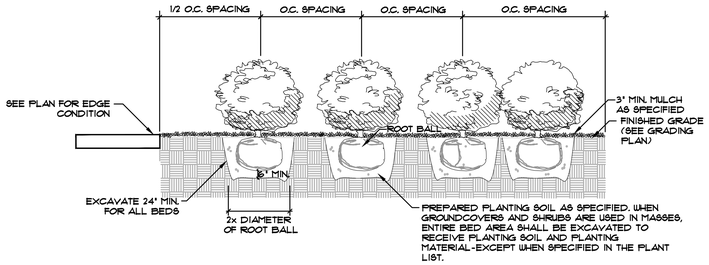
2 SABAL PALM
SECTION NTS

PLANT LIST:

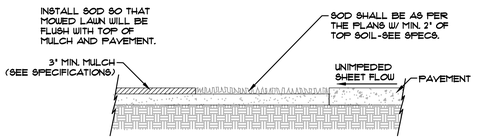
TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATION		DROUGHT	NATIVE
	CE	7	Conocarpus erectus	Green Buttonwood	3" DBH, 14` Ht. x 6` Sprd.		HIGH	YES
	CS	1	Conocarpus erectus sericeus	Silver Button Wood	2" DBH, 10` Ht. x 5` Sprd.		HIGH	YES
	EF	3	Eugenia foetida	Spanish Stopper	2" cal, 10`ht x 6` sprd		HIGH	YES
	IC	5	Ilex cassine	Dahoon Holly	2" DBH, 10` Ht. x 5` Sprd.		HIGH	YES
	QV	24	Quercus virginiana	Southern Live Oak	3" DBH, 14` Ht. x 6` Sprd.		HIGH	YES
	QV 5	9	Quercus virginiana	Southern Live Oak	5" DBH, 16` Ht. Min.		HIGH	YES
	SM	12	Swietenia mahagoni	West Indian Mahogany	3" DBH, 14` Ht. x 6` Sprd.		HIGH	YES
PALM TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATION		DROUGHT	NATIVE
	DLX	21	Dypsis lutescens	Areca Palm	MIN. 8` OA, MULTI-TRUNK MIN. 10		HIGH	NO
	SPX1	45	Sabal palmetto	Sabal Palm	12" DBH, 15`-20` CT MIN. STAGGERED		HIGH	YES
	SPX2	10	Sabal palmetto	Sabal Palm	12" DBH, 8` CT MIN.		HIGH	YES
SHRUB AREAS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	SPACING	DROUGHT	NATIVE
	CHI	323	Chrysobalanus icaco `Redtip`	Red Tip Cocoplum	24X24X24"	24" o.c.	MEDIUM	YES
	HPD	77	Hamelia patens `compacta`	Dwarf Fire Bush	18X18X24"	24" o.c.	HIGH	NO
	IVN	84	Ilex vomitoria `Nana`	Dwarf Yaupon	18X18X18"	24" o.c.	HIGH	YES
	MUC	149	Muhlenbergia capillaris	Pink Muhly	18X18X18"	24" o.c.	HIGH	YES
	SPB	475	Spartina bakeri	Sand Cord Grass	24X24X24"	24" o.c.	HIGH	YES
	TRF	1,209	Tripsacum floridanum	Florida Gamagrass	24X24X24"	24" o.c.	HIGH	YES

NOTE:
1. DRY RETENTION AREAS AND ANY DISTURBED AREAS ARE TO BE SODDED WITH BAHIA GRASS. IRRIGATION WILL NOT BE PROVIDED FOR THESE AREAS, UNLESS SPECIFIED. SEE SHEETS L-1 - L-3 AND IRRIGATION PLANS.

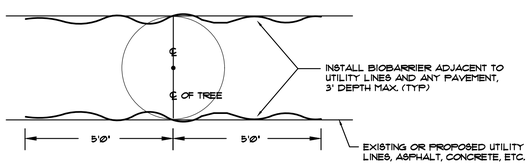
2. TREES AND PALMS NOT IRRIGATED WITHIN THE PASSIVE PARK SITE AND THE RODEO FAIR GROUNDS THAT ARE NOT IRRIGATED BY THE AUTOMATIC SYSTEM ARE TO BE WATERED PER THE 90 DAY WATERING PERIOD. SEE SHEET LA-8 FOR WATERING SCHEDULE.



3 SHRUB PLANTING DETAIL
SECTION NTS



4 SOD INSTALLATION
SECTION NTS



5 ROOT BARRIER INSTALLATION
PLAN NTS

	DATE:	SCALE:	DESIGN BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
	12/02/13	NTS	SWP	SWP	JDH	SWP

BY:	DATE:	DESCRIPTION:
SWP	11/11/15	REVISED PER ROW DEDICATION
SWP	11/07/14	REVISED PER DRC COMMENTS
SWP	07/18/14	REVISED PER DRC COMMENTS
SWP	03/14/14	REVISED PER DRC COMMENTS

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FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. 0000414

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

LANDSCAPE DETAILS

SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

LA-9

SHEET X OF X

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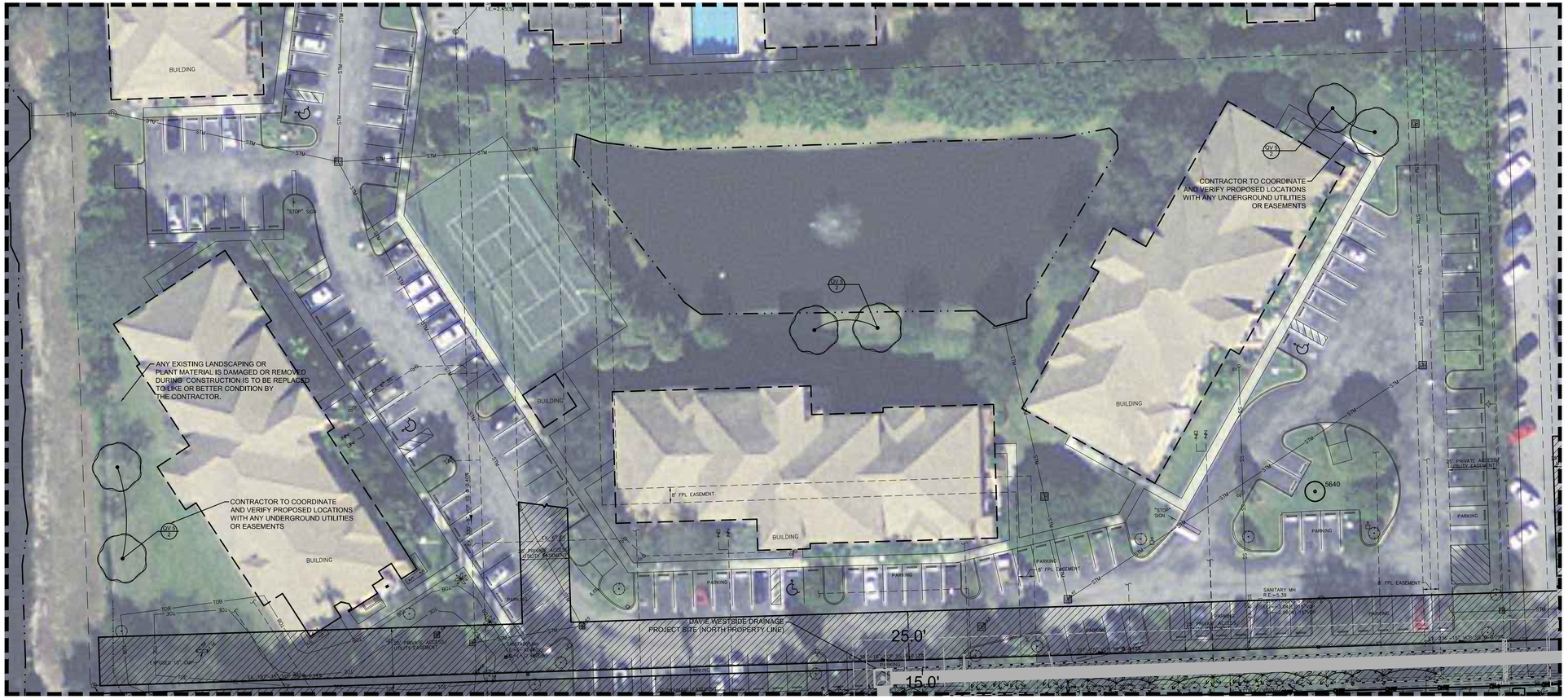
NORTH SIDE OF COMPLEX:



SOUTH SIDE OF COMPLEX:

0 15' 30' 60'
SCALE: 1"=30'-0"

DESCRIPTION:	BY:	DATE:

DATE:	12/02/13
SCALE:	1"=20'
DESIGN BY:	SWP
DRAWN BY:	SWP
CHECKED BY:	JDH
APPROVED BY:	SWP

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FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. 000014

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

LANDSCAPE PLAN- THE COURTYARDS

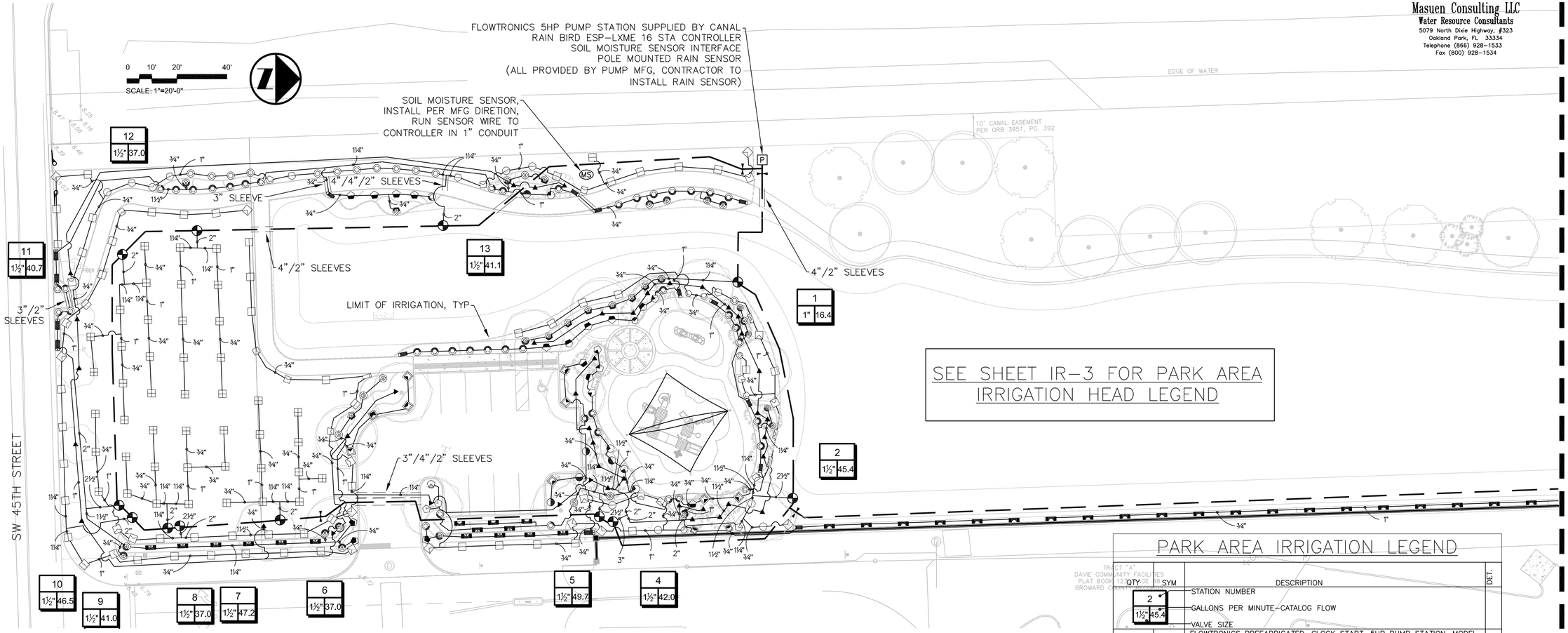
SCOTT WADE PEAVLER
FLORIDA LA NO. 6666976

PROJECT NO.
09-0056-001-01

LA-10

SHEET X OF X

B.C.H.C.E.D. REF. # 120118060



PARK AREA IRRIGATION LEGEND

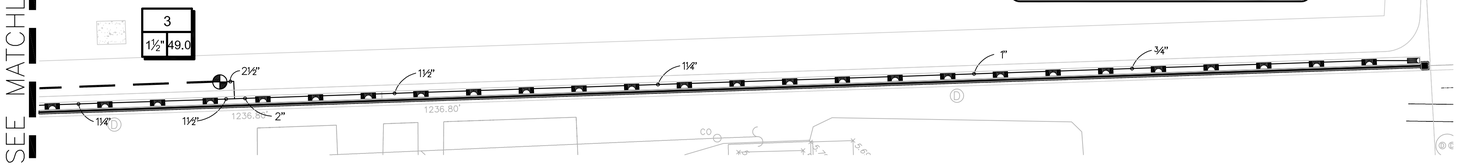
QTY	SYM	DESCRIPTION	DET.
2 / 1½" / 45.4		STATION NUMBER GALLONS PER MINUTE-CATALOG FLOW VALVE SIZE	
1	P	FLOWTRONICS PREFABRICATED, CLOCK START, 5HP PUMP STATION, MODEL # CLCP-50-1-50. THE WATER SOURCE IS THE ADJACENT CANAL. THE POWER SUPPLY IS 230V/3PH. CONTROLLER IS A RAIN BIRD ESP-LXME 16 STATION WITH BASELINE WATERTEC S100 SOIL MOISTURE SENSOR AND MINI CLICK RAIN SENSOR (ALL SUPPLIED BY PUMP MFG)	A
13		RAIN BIRD PESB-PRS SERIES RCV (SIZED PER PLAN) AND A NIBCO T-113 GATE VALVE IN A CARSON JUMBO VALVE BOX W/ A LID.	B
4		NIBCO T-113 BRASS MAINLINE ISOLATION GATE VALVE, LINE SIZE, IN CARSON 1419 VALVE BOX INSTALLED ON MAINLINE WHERE INDICATED	D
1	MS	BASELINE WATERTEC S100 SOIL MOISTURE SENSOR biSENSOR INSTALLED ON SITE PER MANUFACTURER'S RECOMMENDATIONS. COMMUNICATION WIRE TO BE CONNECTED TO SMS INTERFACE AT CONTROLLER	C
		SCHEDULE 40 PVC LATERAL LINE W/SCH 40 PVC SOLVENT WELD FITTINGS (SIZED PER PLANS)	L
		2" SCHEDULE 40 SOLVENT-WELD PVC MAINLINE W/SCH 40 SOLVENT-WELD PVC FITTINGS	L
		CLASS 200 PVC SLEEVES W/ SCH 40 SOLVENT WELD FITTINGS (SIZE PER PLAN)	O

QUANTITIES GIVEN ARE FOR CONTRACTOR CONVENIENCE ONLY. THE ACCURACY IS NOT GUARANTEED ALL QUANTITIES SHALL BE VERIFIED.

*DET (ON THE LEGEND) – THE LETTER IN THIS COLUMN DENOTES THE CORRESPONDING DETAIL SHOWN ON THE DETAIL SHEET.

SEE MATCHLINE ABOVE FOR CONTINUATION

MAINLINE LOCATION, WHERE SHOWN, IS FOR GRAPHIC CLARITY PURPOSES ONLY. INSTALL AT THE BACK OF CURB, FRONT OF WALK, BACK OF WALK, OR ADJACENT TO OTHER HARDSCAPES TO FACILITATE FUTURE LOCATION AND TO PROTECT FROM DAMAGE. ENSURE MAINLINE IS INSTALLED ACCORDING TO THE IRRIGATION SPECIFICATIONS AND DETAILS.



811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast, it's free, it's the law.
Call 811 two business days before digging

NOTES:

1. MAINLINE, AS SHOWN, IS FOR CLARITY PURPOSES ONLY. INSTALL PER IRRIGATION NOTES.
2. ALL TURF AREAS SHALL BE ZONED SEPARATE FROM SHRUB BEDS.
3. IRRIGATION COVERAGE IS 100% HEAD-TO-HEAD WITH AN AVERAGE DESIGN INTENT OF 70% DISTRIBUTION UNIFORMITY FOR OVERHEAD SPRAY ZONES.
4. THE WATERING WINDOW SHALL NOT EXCEED 10 HOURS PER WATERING DAY.
5. CONTRACTOR TO ENSURE ALL TREES RECEIVE TWO RAIN BIRD 1402 BUBBLERS.
6. MINIMUM LATERAL PIPE SIZE IS 3/4", 1/2" IS NOT PERMITTED.
7. STATIC SUCTION LIFT FOR THE PUMP STATION CAN NOT EXCEED 10'. IF THIS MAXIMUM IS EXCEEDED, DO NOT PROCEED WITHOUT WRITTEN PERMISSION FROM THE OWNER/OWNER'S REPRESENTATIVE.
8. CHECK THE WATER QUALITY TO ENSURE IT IS SUITABLE FOR LANDSCAPE PLANTINGS. USE THE SERVICES OF A REPUTABLE, LICENSED LABORATORY ONLY. WATER QUALITY TESTING MUST INCLUDE pH, CONDUCTIVITY, SODIUM, POTASSIUM, CALCIUM, MAGNESIUM, CARBONATE, BICARBONATE, CHLORIDE, PHOSPHOROUS, NITRATE NO3, SULFATE SO4, BORON, IRON, MANGANESE, TOTAL DISSOLVED SOLIDS, SODIUM ABSORPTION RATIO, AND HARDNESS. IF THE WATER IS DETERMINED SUITABLE CONTINUE IRRIGATION INSTALLATION. IF THE WATER QUALITY IS UNSUITABLE, DO NOT PROCEED WITHOUT WRITTEN DIRECTION FROM THE OWNER/OWNER'S REPRESENTATIVE.
9. IF A HIGH IRON CONTENT (OR OTHER STAIN PRODUCING COMPOUND) IS DETECTED, ADVISE THE OWNER/OWNER'S REPRESENTATIVE. DO NOT PROCEED WITHOUT WRITTEN PERMISSION. IF A CHEMICAL INJECTION SYSTEM IS REQUIRED BY THE OWNER, IT MUST BE DIRECTED BY THE OWNER AND INSTALLED BY THE PUMP SYSTEM MANUFACTURER.

Masuen Consulting LLC
Water Resource Consultants
5079 North Dixie Highway, #323
Oakland Park, FL 33334
Telephone (866) 928-1533
Fax (800) 928-1534

SEE MATCHLINE BELOW FOR CONTINUATION

DESCRIPTION:	BY:	DATE:
5 PER TOWN COMMENTS	JJ	5/18/16
4 PER LANDSCAPE CHANGES	JJ	11/28/15
3 PER LANDSCAPE CHANGES	JJ	3/13/15
1 PER BASE/LANDSCAPE CHANGES	JJ	9/19/14

DATE: 10/23/13
SCALE: 1"=20'
DESIGN BY: MAW
DRAWN BY: MAW
CHECKED BY: MM
APPROVED BY: JJ

CRAVEN - THOMPSON AND ASSOCIATES, INC.
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FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL
PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

IRRIGATION PLAN

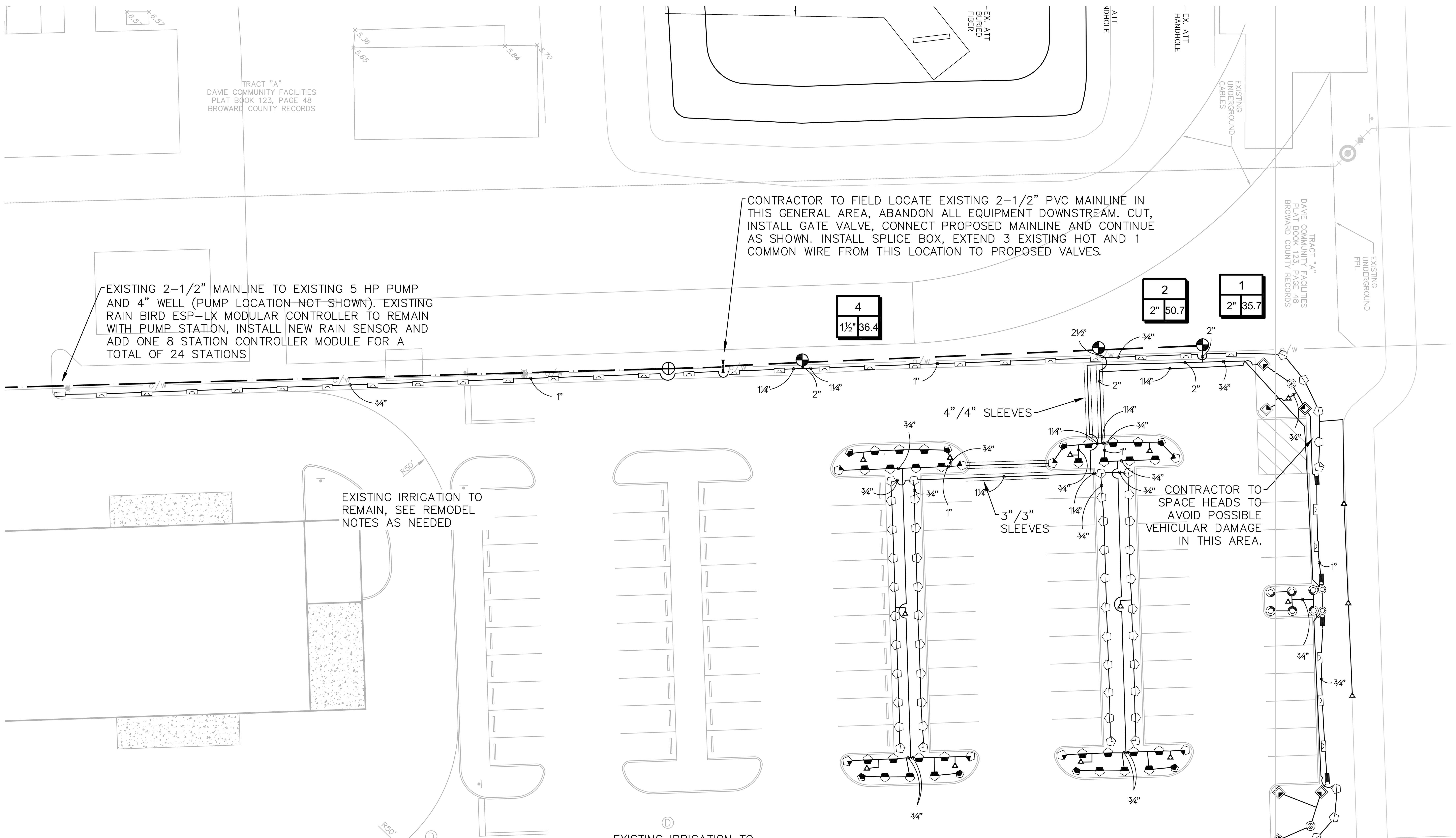
PROJECT NO.
09-0056-001-01

IR-1

SHEET 1 OF 5

C:\MASUEN DESIGN FILES\CRAVEN THOMPSON\Davie WS Drainage\2015_1118\09-0056_IR.dwg [IR1] May 27, 2016 12:12pm JUDY

B.C.H.C.E.D. REF. # 120118060



REMODEL NOTES:

1. CONTRACTOR TO CUT AND CAP ONLY THOSE PORTIONS OF THE EXISTING IRRIGATION NO LONGER NEEDED DUE TO NEW IRRIGATION.
2. CONTRACTOR TO ADD, ADJUST, MOVE, CHANGE, ETC. SPRINKLER HEADS AND NOZZLES AS REQUIRED TO ENSURE 100% HEAD TO HEAD COVERAGE WITH A D.U. OF .7 OR GREATER IN AREAS WHERE PROPOSED AND EXISTING IRRIGATION MEET.
3. CONTRACTOR TO FIELD LOCATE EXISTING IRRIGATION, AS REQUIRED. CUT, CAP, AND MARK PRIOR TO SITE DEMOLITION TO PREVENT DAMAGE TO EXISTING IRRIGATION. ONCE NEW HARDSCAPES ARE COMPLETED, INSTALL NEW IRRIGATION AND CONNECT MAINLINES FROM NEW IRRIGATION TO THE EXISTING IRRIGATION LINES, AS INDICATED. THE SIZE OF THE PROPOSED MAINLINE MUST BE EQUAL TO OR SMALLER IN SIZE THAN THE EXISTING MAINLINE IT IS TO BE CONNECTED TO. IF THIS IS NOT WHAT IS FOUND, DO NOT PROCEED WITHOUT RECEIVING WRITTEN AUTHORIZATION TO PROCEED. IF THE CONTRACTOR PROCEEDS WITHOUT PRIOR WRITTEN AUTHORIZATION, IT IS AT THE CONTRACTORS RISK. ANY AND ALL COSTS INCURRED, THAT ARE REQUIRED TO PROVIDE A FULLY FUNCTIONAL IRRIGATION SYSTEM, WILL BE AT THE CONTRACTORS EXPENSE.
4. CONTRACTOR TO COORDINATE THE SCHEDULE OF EXISTING CONTROLLER WITH SCHEDULE OF PROPOSED CONTROLLER IF APPLICABLE.

MAINLINE LOCATION, WHERE SHOWN, IS FOR GRAPHIC CLARITY PURPOSES ONLY. INSTALL AT THE BACK OF CURB, FRONT OF WALK, BACK OF WALK, OR ADJACENT TO OTHER HARDSCAPES TO FACILITATE FUTURE LOCATION AND TO PROTECT FROM DAMAGE. ENSURE MAINLINE IS INSTALLED ACCORDING TO THE IRRIGATION SPECIFICATIONS AND DETAILS.

0 10' 20' 40'
SCALE: 1"=20'-0"

C:\MASUEN DESIGN FILES\CRAVEN THOMPSON\Davie WS Drainage\2015_1118\09-0056_IR.dwg [IR2] May 27, 2016 12:12pm JUDY

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Water Resource Consultants
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Oakland Park, FL 33334
Telephone (866) 928-1533
Fax (800) 928-1534

PARKING LOT IRRIGATION LEGEND

QTY	SYM	DESCRIPTION	DET.
	1 / 2" / 53.9	STATION NUMBER; GALLONS PER MINUTE-CATALOG FLOW; VALVE SIZE	
1	P	EXISTING STA-RITE 5HP PUMP, MODEL #DHJ3-170, AND 4" WELL (ALL TO REMAIN, LOCATION NOT SHOWN). AN EXISTING RAIN BIRD ESP-4LXM MODULAR CONTROLLER IS LOCATED WITH PUMP, CONTRACTOR TO ADD ONE 8 STATION MODULE FOR A TOTAL OF 24 STATIONS AND INSTALL A PROPOSED MINI-CLIK RAIN SENSOR #502C	
3		RAIN BIRD PESB SERIES RCV (SIZED PER PLAN) AND A NIBCO T-113 GATE VALVE IN A CARSON JUMBO VALVE BOX W/ A LID.	B
1		EXISTING RCV TO REMAIN	
1		NIBCO T-113 BRASS MAINLINE ISOLATION GATE VALVE, LINE SIZE, IN CARSON 1419 VALVE BOX INSTALLED ON MAINLINE WHERE INDICATED	D
		SCHEDULE 40 PVC LATERAL LINE W/SCH 40 PVC SOLVENT WELD FITTINGS (SIZED PER PLANS, NO 1/2" PIPE ALLOWED)	L
		2-1/2" SCHEDULE 40 SOLVENT-WELD PVC MAINLINE W/SCH 40 SOLVENT-WELD PVC FITTINGS	L
		EXISTING 2-1/2" PVC MAINLINE	
		CLASS 200 PVC SLEEVES W/ SCH 40 SOLVENT WELD FITTINGS (SIZE PER PLAN)	O

QUANTITIES GIVEN ARE FOR CONTRACTOR CONVENIENCE ONLY. THE ACCURACY IS NOT GUARANTEED. ALL QUANTITIES SHALL BE VERIFIED.

*DET (ON THE LEGEND) - THE LETTER IN THIS COLUMN DENOTES THE CORRESPONDING DETAIL SHOWN ON THE DETAIL SHEET.

PARKING LOT IRRIGATION HEAD LEGEND

QUANTITY	SYMBOL	DESCRIPTION	DETAIL	DESIGN (P.S.I)	DESIGN (G.P.M)
15		RAIN BIRD 1804-SAM-1401 FLOOD BUBBLER	Q	30	0.25
2		RAIN BIRD 1806-SAM-PRS-8Q	R	30	0.26
4		RAIN BIRD 1812-SAM-PRS-8Q	S	30	0.26
2		RAIN BIRD 1812-SAM-PRS-8H	S	30	0.52
9		RAIN BIRD 1806-SAM-PRS-10Q	R	30	0.39
44		RAIN BIRD 1806-SAM-PRS-10H	R	30	0.79
8		RAIN BIRD 1812-SAM-PRS-10Q	S	30	0.39
8		RAIN BIRD 1812-SAM-PRS-10T	S	30	0.53
28		RAIN BIRD 1812-SAM-PRS-10H	S	30	0.79
2		RAIN BIRD 1812-SAM-PRS-12H ON SCH 40 RISER	T	30	1.30
6		RAIN BIRD 1812-SAM-PRS-15Q	S	30	0.92
1		RAIN BIRD 1806-SAM-PRS-15EST	R	30	0.61
31		RAIN BIRD 1806-SAM-PRS-15SST	R	30	1.21
4		RAIN BIRD 1812-SAM-PRS-15EST	S	30	0.61

NOTES:

1. MAINLINE, AS SHOWN, IS FOR CLARITY PURPOSES ONLY. INSTALL PER IRRIGATION NOTES.
2. IRRIGATION COVERAGE IS 100% HEAD-TO-HEAD WITH AN AVERAGE DESIGN INTENT OF 70% DISTRIBUTION UNIFORMITY FOR OVERHEAD SPRAY ZONES.
3. THE WATERING WINDOW SHALL NOT EXCEED 10 HOURS PER WATERING DAY.
4. MINIMUM LATERAL PIPE SIZE IS 3/4", 1/2" IS NOT PERMITTED.
5. CHECK THE WATER QUALITY TO ENSURE IT IS SUITABLE FOR LANDSCAPE PLANTINGS. USE THE SERVICES OF A REPUTABLE, LICENSED LABORATORY ONLY. WATER QUALITY TESTING MUST INCLUDE pH, CONDUCTIVITY, SODIUM, POTASSIUM, CALCIUM, MAGNESIUM, CARBONATE, BICARBONATE, CHLORIDE, PHOSPHOROUS, NITRATE NO3, SULFATE SO4, BORON, IRON, MANGANESE, TOTAL DISSOLVED SOLIDS, SODIUM ABSORPTION RATIO, AND HARDNESS. IF THE WATER IS DETERMINED SUITABLE CONTINUE IRRIGATION INSTALLATION. IF THE WATER QUALITY IS UNSUITABLE, DO NOT PROCEED WITHOUT WRITTEN DIRECTION FROM THE OWNER/OWNER'S REPRESENTATIVE.
6. IF A HIGH IRON CONTENT (OR OTHER STAIN PRODUCING COMPOUND) IS DETECTED, ADVISE THE OWNER/OWNER'S REPRESENTATIVE. DO NOT PROCEED WITHOUT WRITTEN PERMISSION. IF A CHEMICAL INJECTION SYSTEM IS REQUIRED BY THE OWNER, IT MUST BE DIRECTED BY THE OWNER AND INSTALLED BY THE PUMP SYSTEM MANUFACTURER.

No.	DESCRIPTION:	BY:	DATE:
5	PER TOWN COMMENTS	JJ	5/18/16
4	PER LANDSCAPE CHANGES	JJ	11/20/15
2	PER BASE/LANDSCAPE CHANGES	JJ	12/17/14
1	PER BASE/LANDSCAPE CHANGES	JJ	9/19/14

DATE:	10/23/13
SCALE:	1"=20'
DESIGN BY:	MAW
DRAWN BY:	MAW
CHECKED BY:	MM
APPROVED BY:	JJ

CRAVEN · THOMPSON AND ASSOCIATES, INC.
ENGINEERS · PLANNERS · SURVEYORS
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FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

IRRIGATION PLAN

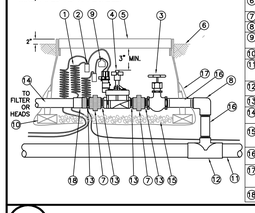
PROJECT NO.
09-0056-001-01

IR-2

NOTE:
REFER TO PRODUCT LITERATURE FOR ADDITIONAL INSTALLATION AND ADJUSTMENT INFORMATION.

ALL SCH 80 NIPPLES ARE TO BE CONTINUOUS AND THREADED ON BOTH SIDES

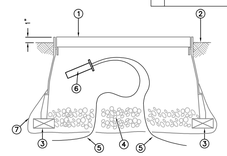
THE INTENT OF THE FABRIC IS TO KEEP THE VALVE BOX FREE OF DIRT/DEBRIS. FILTER FABRIC SHOULD SPAN BASE OF VALVE BOX AND BE SECURED A MINIMUM OF 6" UP FROM BASE VIA DUCT TAPE AROUND SIDES OF VALVE BOX. FABRIC SHOULD CONTAIN NO HOLES EXCEPT FOR WIRE/PIPES AS APPLICABLE.



1. 30-INCH LINEAR LENGTH OF WIRE, COILED.
2. 3M-DBY/R CONNECTORS PER MANUFACTURER SPEC.
3. NIBCO T-113 BRASS GATE VALVE
4. REMOTE CONTROL VALVE: RAINBIRD PESB
5. CARSON 1220 JUMBO VALVE BOX W/ BOLT DOWN LID
6. FINISH GRADE/TOP OF MULCH
7. SCH 80 PVC UNION
8. PVC SCH 80 ELL
9. CHRISTY I.D. TAG (STATION/CONTROLLER)
10. COMMON BRICK (1 OF 4)
11. IRRIGATION MAINLINE – SIZE AND TYPE AS SPECIFIED
12. SWING TEE – SIZE, TYPE AND MAKE PER MAINLINE SPEC.
13. PVC SCH 80 CLOSE NIPPLE
14. SOLVENT WELDED PVC LATERAL PIPE
15. 3.0-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
16. PVC SCH 80 NIPPLE (SIZE AS REQUIRED)
17. US SB3 LANDSCAPE FABRIC TO BE DUCT TAPED TO VALVE BOX EXTERIOR.
18. PVC SCH 80 THREADED X SLIP FEMALE ADAPTER

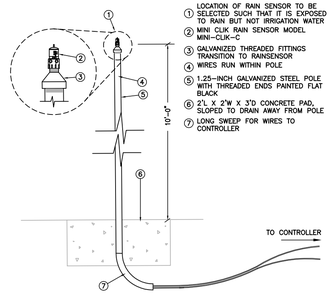
B — RAIN BIRD RCV W/GATE VALVE

THE INTENT OF THE FABRIC IS TO KEEP THE VALVE BOX FREE OF DIRT/DEBRIS. FILTER FABRIC SHOULD SPAN BASE OF VALVE BOX AND BE SECURED A MINIMUM OF 6" UP FROM BASE VIA DUCT TAPE AROUND SIDES OF VALVE BOX. FABRIC SHOULD CONTAIN NO HOLES EXCEPT FOR WIRE AND PIPES (IF APPLICABLE) AS SHOWN.



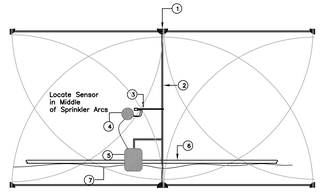
1. SPLICE BOX WITH COVER: 12-INCH SIZE
2. FINISH GRADE/TOP OF MULCH
3. BRICK (1 OF 4)
4. 3.0-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
5. LOW VOLTAGE CONTROL WIRE (TYP.)
6. 3M-DBY/R WATER PROOF CONNECTOR (TYP.)
7. US SB3 LANDSCAPE FABRIC TO BE DUCT TAPED TO VALVE BOX EXTERIOR.

C — WIRE SPLICE



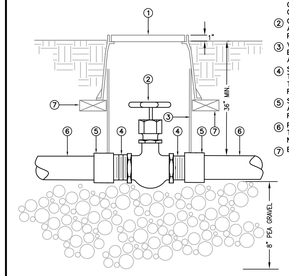
1. LOCATION OF RAIN SENSOR TO BE SELECTED SUCH THAT IT IS EXPOSED TO RAIN BUT NOT IRRIGATION WATER
2. MINI CLIK RAIN SENSOR MODEL MINI-CLIK-C
3. GALVANIZED THREADED FITTINGS TRANSITION TO RAINSENSOR
4. WIRES RUN WITHIN POLE
5. 1.25-INCH GALVANIZED STEEL POLE WITH THREADED ENDS PAINTED FLAT BLACK
6. 2'L X 2'W X 3'D CONCRETE PAD, SLOPED TO DRAIN AWAY FROM POLE
7. LONG SWEEP FOR WIRES TO CONTROLLER

C — POLE MOUNTED RAIN SENSOR



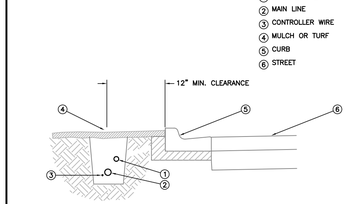
1. SPRINKLER HEAD
2. LATERAL LINE PER PLANS
3. BASELINE MOISTURE SENSOR
4. 6" ROUND JUNCTION BOX
5. RECTANGULAR STANDARD OR JUMBO VALVE BOX
6. MAIN LINE SIZE PER PLANS
7. BASELINE 14 GA. CONTROL WIRE TO CONTROLLER

C2 — SOIL MOISTURE SENSOR



1. CARSON 1419 VALVE BOX W/BOLT-DOWN COVER MARKED GATE VALVE.
2. GATE VALVE, SIZE AS NOTED ON PLANS.
3. VALVE BOX EXTENSION, LENGTH AS REQUIRED
4. SCH 80 PVC THREADED NIPPLE, TYPICAL SIZE AS REQUIRED
5. SCH 80 PVC SXT ADAPTOR, SIZE AS REQUIRED.
6. PVC MAINLINE, TYPE & SIZE AS NOTED ON PLANS.
7. BRICK

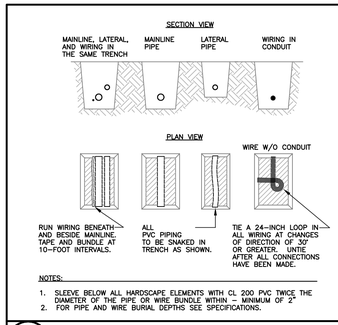
D — T-113 GATE VALVE



1. LATERAL PIPE
2. MAIN LINE
3. CONTROLLER WIRE
4. MULCH OR TURF
5. CURB
6. STREET

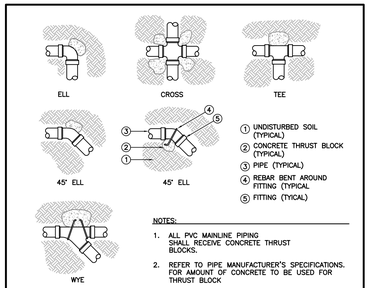
NOTES:
BACKFILL MINIMUM DEPTHS:
1. MAIN LINE – 24"
2. LATERAL PIPE – 18"

L — MAINLINE AND LATERAL PIPING DETAIL



NOTES:
1. SLEEVE BELOW ALL HARDSCAPE ELEMENTS WITH CL 200 PVC TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE WITHIN – MINIMUM OF 2"
2. FOR PIPE AND WIRE BURIAL DEPTHS SEE SPECIFICATIONS.

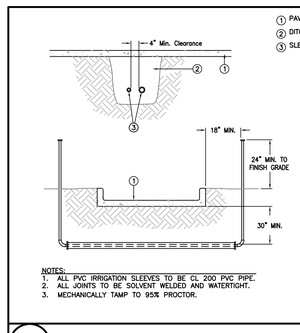
L — PIPE AND WIRE TRENCHING



1. UNDISTURBED SOIL (TYPICAL)
2. CONCRETE THRUST BLOCK (TYPICAL)
3. PIPE (TYPICAL)
4. REBAR BENT AROUND FITTING (TYPICAL
5. FITTING (TYICAL)

NOTES:
1. ALL PVC MAINLINE PIPING SHALL RECEIVE CONCRETE THRUST BLOCKS.
2. REFER TO PIPE MANUFACTURER'S SPECIFICATIONS. FOR AMOUNT OF CONCRETE TO BE USED FOR THRUST BLOCK

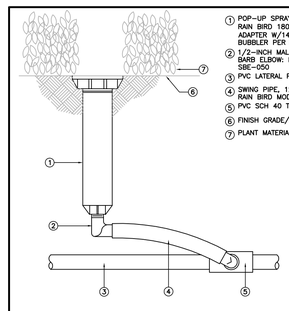
L — THRUST BLOCK



1. PAVING
2. DITCH
3. SLEEVES

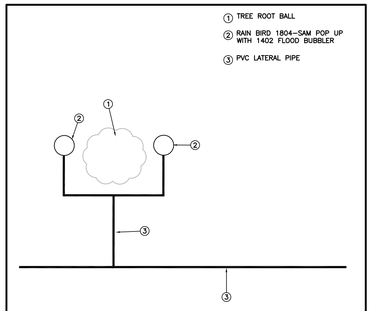
NOTES:
1. ALL PVC IRRIGATION SLEEVES TO BE CL 200 PVC PIPE.
2. ALL JOINTS TO BE SOLVENT WELDED AND WATERTIGHT.
3. MECHANICALLY TAMP TO 95% PROCTOR.

O — SLEEVING



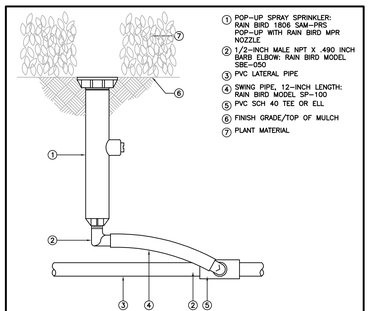
1. POP-UP SPRAY SPRINKLER: RAIN BIRD 1804-SAM W/PA-80 ADAPTER W/1402 OR 1401 BUBBLER PER PLANS
2. 1/2-INCH MALE NPT X .490 INCH BARB ELBOW: RAIN BIRD MODEL SBE-050
3. PVC LATERAL PIPE
4. SWING PIPE, 12-INCH LENGTH: RAIN BIRD MODEL SP-100
5. PVC SCH 40 TEE OR ELL
6. FINISH GRADE/TOP OF MULCH
7. PLANT MATERIAL

Q — RAIN BIRD 1804-SAM POP-UP WITH 1402/1401 BUBBLER



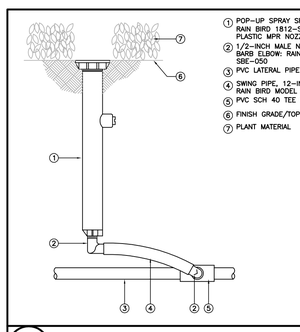
1. TREE ROOT BALL
2. RAIN BIRD 1804-SAM POP UP WITH 1402 FLOOD BUBBLER
3. PVC LATERAL PIPE

Q — BUBBLER PLACEMENT (PARK AREA ONLY)



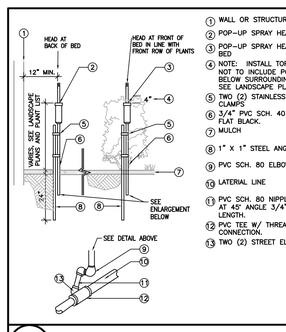
1. POP-UP SPRAY SPRINKLER: RAIN BIRD 1806 SAM-PRS POP-UP WITH RAIN BIRD MPR NOZZLE
2. 1/2-INCH MALE NPT X .490 INCH BARB ELBOW: RAIN BIRD MODEL SBE-050
3. PVC LATERAL PIPE
4. SWING PIPE, 12-INCH LENGTH: RAIN BIRD MODEL SP-100
5. PVC SCH 40 TEE OR ELL
6. FINISH GRADE/TOP OF MULCH
7. PLANT MATERIAL

R — RAIN BIRD 1806 SAM-PRS SPRAY



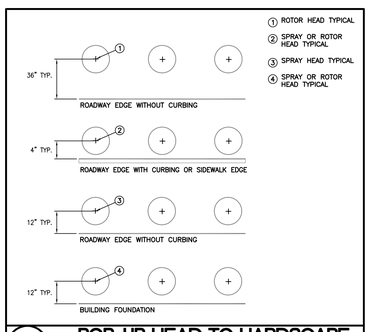
1. POP-UP SPRAY SPRINKLER: RAIN BIRD 1812-SAM-PRS W/ PLASTIC MPR NOZZLE
2. 1/2-INCH MALE NPT X .490 INCH BARB ELBOW: RAIN BIRD MODEL SBE-050
3. PVC LATERAL PIPE
4. SWING PIPE, 12-INCH LENGTH: RAIN BIRD MODEL SP-100
5. PVC SCH 40 TEE OR ELL
6. FINISH GRADE/TOP OF MULCH
7. PLANT MATERIAL

S — RAIN BIRD 1812 SAM-PRS SPRAY



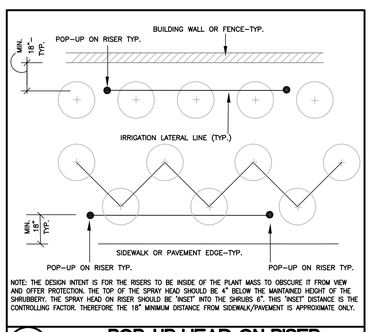
1. WALL OR STRUCTURE
2. POP-UP SPRAY HEAD AT STRUCTURE
3. POP-UP SPRAY HEAD AT FRONT OF BED
4. NOTE: INSTALL TOP OF HEAD (THIS IS NOT TO INCLUDE POP-UP PORTION) 4" BELOW SURROUNDING PLANT MATERIAL, SEE LANDSCAPE PLANS & PLANT LIST.
5. TWO (2) STAINLESS STEEL HOSE CLAMPS
6. 3/4" PVC SCH. 40 RISER, PAINTED FLAT BLACK.
7. MULCH
8. 1" X 1" STEEL ANGLE, 24" DEPTH
9. PVC SCH. 80 ELBOW
10. LATERAL LINE
11. PVC SCH. 80 NIPPLE, POSITION RISER AT 45° ANGLE 3/4" DIA., MAX 18" LENGTH.
12. PVC TEE W/ THREADED REDUCER CONNECTION.
13. TWO (2) STREET ELLS.

T — POP-UP HEAD ON RISER



1. ROTOR HEAD TYPICAL
2. SPRAY OR ROTOR HEAD TYPICAL
3. SPRAY HEAD TYPICAL
4. SPRAY OR ROTOR HEAD TYPICAL

T — POP-UP HEAD TO HARDSCAPE LOCATION DETAIL-A



NOTE: THE DESIGN INTENT IS FOR THE RISERS TO BE INSIDE OF THE PLANT MASS TO OBSCURE IT FROM VIEW AND OFFER PROTECTION. THE TOP OF THE SPRAY HEAD SHOULD BE 4" BELOW THE MAINTAINED HEIGHT OF THE SHRUBBERY. THE SPRAY HEAD ON RISER SHOULD BE "INSET" INTO THE SHRUBS 6". THIS "INSET" DISTANCE IS THE CONTROLLING FACTOR. THEREFORE THE 18" MINIMUM DISTANCE FROM SIDEWALK/PAVEMENT IS APPROXIMATE ONLY.

T — POP-UP HEAD ON RISER LOCATION DETAIL-B

PARK AREA IRRIGATION HEAD LEGEND

SYMBOL QUANTITY	SYMBOL	DESCRIPTION	DETAIL	DESIGN PSI	DESIGN GPM PER SYMBOL
42	▲	RAIN BIRD 1804-SAM-1404 FLOOD BUBBLER	Q	30	1.00
1		RAIN BIRD 1806-SAM-PRS-8Q	R	30	0.26
1		RAIN BIRD 1806-SAM-PRS-8T	R	30	0.35
12		RAIN BIRD 1806-SAM-PRS-8H	R	30	0.52
14		RAIN BIRD 1812-SAM-PRS-8Q	S	30	0.26
29		RAIN BIRD 1812-SAM-PRS-8H	S	30	0.52
4		RAIN BIRD 1812-SAM-PRS-8T ON SCH 40 RISER	T	30	0.35
16		RAIN BIRD 1812-SAM-PRS-8H ON SCH 40 RISER	T	30	0.52
5		RAIN BIRD 1806-SAM-PRS-10Q	R	30	0.39
4		RAIN BIRD 1806-SAM-PRS-10T	R	30	0.53
5		RAIN BIRD 1806-SAM-PRS-10H	R	30	0.79
4		RAIN BIRD 1812-SAM-PRS-10Q	S	30	0.39
3		RAIN BIRD 1812-SAM-PRS-10T	S	30	0.53
12		RAIN BIRD 1812-SAM-PRS-10H	S	30	0.79
9		RAIN BIRD 1812-SAM-PRS-10H ON SCH 40 RISER	T	30	0.79
1		RAIN BIRD 1806-SAM-PRS-12Q	R	30	0.65
1		RAIN BIRD 1806-SAM-PRS-12T	R	30	0.87
6		RAIN BIRD 1806-SAM-PRS-12H	R	30	1.30
1		RAIN BIRD 1806-SAM-PRS-12TT	R	30	1.74
4		RAIN BIRD 1812-SAM-PRS-12Q	S	30	0.65
1		RAIN BIRD 1812-SAM-PRS-12T	S	30	0.87
5		RAIN BIRD 1812-SAM-PRS-12H	S	30	1.30
6		RAIN BIRD 1812-SAM-PRS-12H ON SCH 40 RISER	T	30	1.30
15		RAIN BIRD 1806-SAM-PRS-15Q	R	30	0.92
9		RAIN BIRD 1806-SAM-PRS-15T	R	30	1.23
52		RAIN BIRD 1806-SAM-PRS-15H	R	30	1.85
5		RAIN BIRD 1806-SAM-PRS-15TT	R	30	2.48
44		RAIN BIRD 1806-SAM-PRS-15F	R	30	3.70
6		RAIN BIRD 1812-SAM-PRS-15Q	S	30	0.92
4		RAIN BIRD 1812-SAM-PRS-15T	S	30	1.23
1		RAIN BIRD 1806-SAM-PRS-15EST	R	30	0.61
3		RAIN BIRD 1806-SAM-PRS-15SST	R	30	1.21
11		RAIN BIRD 1812-SAM-PRS-15EST	S	30	0.61
49		RAIN BIRD 1812-SAM-PRS-15SST	S	30	1.21
5		RAIN BIRD 1812-SAM-PRS-15EST ON SCH 40 RISER	T	30	0.61
12		RAIN BIRD 1812-SAM-PRS-15SST ON SCH 40 RISER	T	30	1.21

Masuen Consulting LLC
Water Resource Consultants
5079 North Dixie Highway, #323
Oakland Park, FL 33334
Telephone (866) 928-1533
Fax (800) 928-1534

	DATE:	SCALE:	DESIGN BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
	10/23/13	N.T.S.	MAW	MAW	MM	JJ

	DESCRIPTION:	BY:	DATE:
4	PER LANDSCAPE CHANGES	JJ	11/28/15
3	PER LANDSCAPE CHANGES	JJ	3/13/15

CRAVEN • THOMPSON AND ASSOCIATES, INC.
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WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

IRRIGATION DETAILS

PROJECT NO.
09-0056-001-01

IR-3

SHEET 3 OF 5

C:\MASUEN DESIGN FILES\CRAVEN THOMPSON\Davie WS Drainage\2015_1118\09-0056_IR.dwg [IRD-3] May 27, 2016 12:12pm JUDY

FloBoy II Pumping System Submittal

Project Name: Davie CRA Westside Drainage

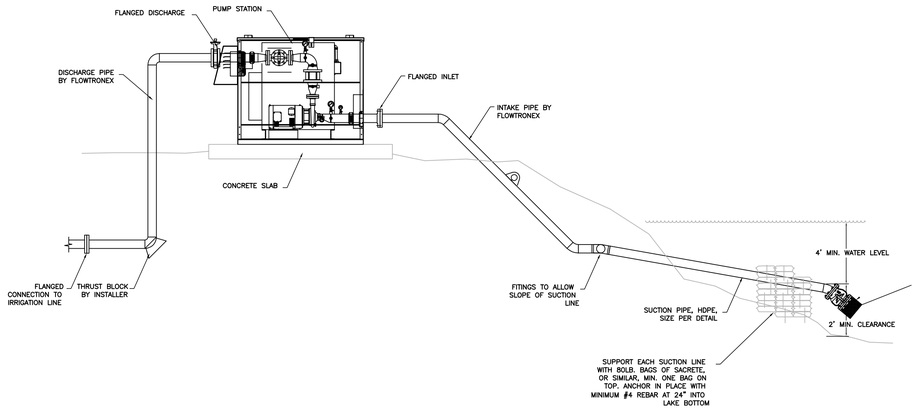
Location: Davie, FL

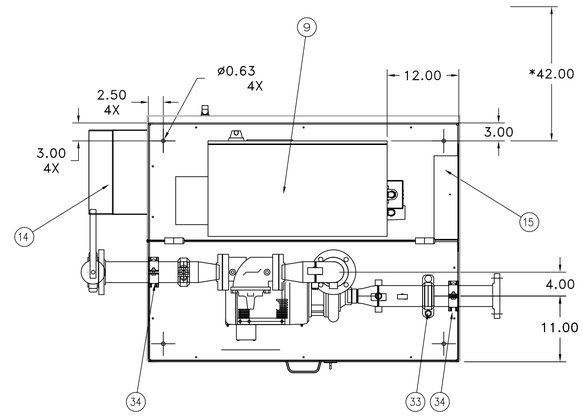
Variable Speed Suction Lift Pumping System, Model CLCP-50-1-50 rated for 50 GPM at 50PSI. Discharge pressure performance based on less than 10 feet of suction lift. Motor is 5 HP, 3600 RPM Full voltage, horizontal ODP. Pump shall have cast iron casing, enclosed impeller and mechanical seal. Electrical power shall be 230 volts, 3phase, 60 Hertz.

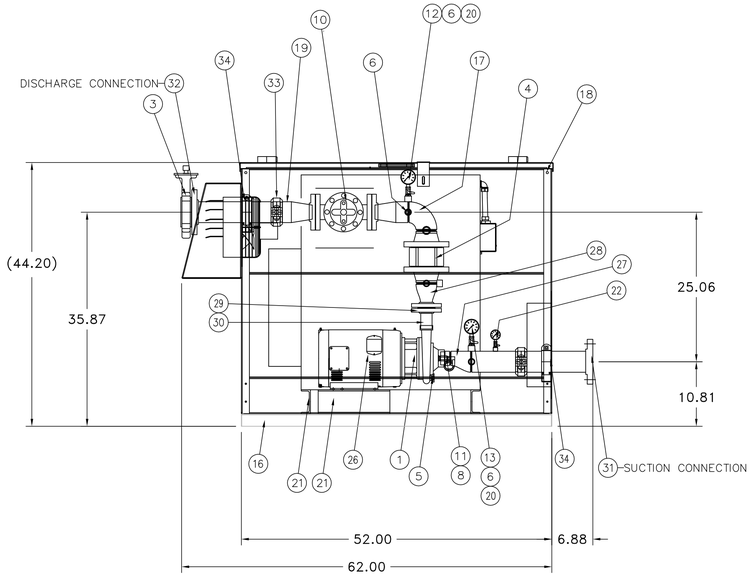
Standard Construction will Include:

- Electrical fusible disconnect
- 3 in. flanged suction and discharge connections with painted piping.
- 2 5/8 in. silicone filled pressure gauges with isolation valve.
- Factory run testing using actual suction pressure, discharge pressure and flow conditions.
- U.L. listed NEMA 4 control/ starter panel
- 5HP 230V X/L starter
- 2" Globe control valve
- Inlet Z-Pipe 3"FL x 4"FL
- Discharge Z-Pipe 3"FL x 4"FL
- 3" Foot Valve
- Rain Bird ESP-LXME 16
- Baseline Watertec
- Steel Enclosure
- Installation of suction line
- Loss of Prime
- On/ Off /Auto selector switches.
- Low/ High discharge pressure shutdown and alarm.
- High pump temperature thermal sensor/ safety.
- Solid State overload/ single phase/ phase imbalance/ low voltage protection.
- Industrial grade touch screen controller
- 3 in. station discharge isolation valve.
- Reprime System
- Startup by factory authorized personnel is included.
- Operator & maintenance manual
- 1 year limited warranty
- E-Clips Surge Arrestor

NOTES:
1. SLAB DIMENSIONS ARE 76" X 65" (6" PERIMETER CLEARANCE).
2. SLAB DIMENSIONS ARE RECOMMENDED CLEARANCESAND MUST BE VERIFIED BY INSTALLATION CONTRACTOR TO ENSURE MEETING ALL FEDERAL, STATE, AND/OR LOCAL CODE REQUIREMENTS, WHICH SUPERSEDE THIS DOCUMENT.
3. ALLOW 42" CLEAR TO GROUND PANEL CLEARENCE IN FRONT OF CONTROL PANEL(S) AS REQURIED BY NEC CODES.
4. PLUG ALL UNUSED PORTS.







			EST. TOTAL WEIGHT ---------->	2100
34	2	38-017-066	CLAMP, 3", GALV.	2.100
33	2	20-005-054	COUPLING, GRV, GALV, E GSKT, 7401,3"	22.800
32	1	————	ASSY. - SPOOL, FLGXGRV, 3"	45.000
31	1	————	SPOOL, SUCTION, 3"FLG X GROOVE	68.000
30	1	————	NIPPLE, GALV, 1.5" X 3" LONG	
29	1	————	FLANGE, THREADED, ZINC, PLTD, 1", 150#	
28	1	————	ASSY.-REDUCER, CONCENTRIC, 3" X 1" FLGD	2.100
27	1	————	ASSY. - SPOOL, SUCTION, 2"THRD X 3" GROOVE	5.400
26	1	————	MOTOR, ODP, 5 HP	———
25	-	————		———
24	-	————		———
23	-	————		———
22	1	580-000-900	GAUGE, VACUUM, 2.5"	2.100
21	4	62-005-021	MOUNTING CHANNEL, ALUMINUM, 4"X12"	5.400
20	2	56-008-030	HEX BUSHING, GALV, 1/2"x1/4"	0.200
19	1	————	FLANGE, FLG X VIC, BLACK, 150, 3"	17.500
18	1	71-006-099	ASSY. - ENCLOSURE, SMALL, GREEN	465.400
17	1	————	ASSY. - ELBOW, DISCHARGE, 3"	44.600
16	1	71-006-128	ASSY. - BASE, SMALL, GREEN	169.700
15	1	71-007-040	LOUVER, 14"x14"	12.800
14	1	74-100-102	FAN, EXHAUST, 285CFM@0.125IN,10"	12.400
13	1	88-001-030	GAUGE, WIKA 213.40, 2-1/2", 30"-0-30 PSI	0.600
12	1	88-001-008	GAUGE, WIKA 213.40, 2-1/2", 0-160 PSI	0.600
11	1	89-001-141	SWITCH, TEMPERATURE, NO, 1/4" MPT	0.300
10	1	————	CLAYTON HYTROL, 92-01, 2" FLG.	44.00
9	-	————	DISCONNECT PANEL	230.200
8	1	85-006-058	CABLE, TEMPERATURE SWITCH	0.900
7	-	————		0.900
6	3	200-S11657	VALVE, TEST COCK, 1/4"	0.400
5	1	27-001-010	VALVE, DRAIN COCK, 1/4"	0.100
4	1	19-002-010-1	VALVE, CHECK, WAFER, SPENCE, 3"	20.700
3	-	————	————	13.600
2	-	————	————	13.600
1	1	————	PUMP, GOULDS, 3BFK (1X2-8),NPT CONNECTIONS	770.500
SYM	QTY	P/N	DESCRIPTION	WEIGHT

BOM

Masuen Consulting LLC
Water Resource Consultants
5079 North Dixie Highway, #323
Oakland Park, FL 33334
Telephone (866) 928-1533
Fax (800) 928-1534

DATE:	10/23/13
SCALE:	N.T.S.
DESIGN BY:	MAW
DRAWN BY:	MAW
CHECKED BY:	MM
APPROVED BY:	JJ

BY:	DATE:	DESCRIPTION:
JJ	11/20/15	4. PER LANDSCAPE CHANGES

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FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

IRRIGATION PUMP NOTES & DETAIL

PROJECT NO.
09-0056-001-01

IR-4

SHEET 4 OF 5

IRRIGATION NOTES & SPECIFICATIONS

Irrigation design based on the Craven Thompson & Associates Landscape Plan dated 07/17/12 with an additional parking lot scope received October 2013 and latest revision for both plans received November 2015. Contractor shall refer to these plans to coordinate sprinkler and pipe locations.

The system has been designed to conform with the requirements of all applicable codes, laws, ordinances, rules, regulations and conventions. Should any conflict exist, the requirements of the codes shall prevail. It is the responsibility of the owner/installation contractor to ensure the entire system is installed as designed. Irrigation contractor responsible for obtaining all required permits according to federal, state and local laws.

The scope of work is shown on the plans, notes and details. The Irrigation Contractor shall be certified as a CERTIFIED IRRIGATION CONTRACTOR by the Irrigation Association. The certification shall be current and in good standing.

THE WORK

The work specified in this section consists of furnishing all components necessary for the installation, testing, and delivery of a complete, fully functional automatic landscape irrigation system that complies with the irrigation plans, specifications, notes, and details. This work shall include, but not be limited to, the providing of all required material if applicable (pump(s), backflows, pipes, valves, fittings, controllers, wire, primer, glue, etc.), layout, protection to the public, excavation, assembly, installation, back filling, compacting, repair of road surfaces, controller and low voltage feeds to valves, cleanup, maintenance, guarantee and as–built plans.

All irrigated areas shall provide 100% head–to–head coverage from a fully automatic irrigation system with a rain (and freeze as appropriate) shut off device. If the rain shut off device is a rain sensor, it shall be installed to prevent activation by adjacent heads. Zones are prioritized first by public safety and then by hydraulic concerns. This sequencing will be a mandatory punch list item.

These plans have been designed to satisfy/exceed the Florida Irrigation Society Standards and Specifications for Turf and Landscape Irrigation Systems, fourth edition. All products should be installed per manufacturer's recommendation. Contractor shall verify all underground utilities 72 hours prior to commencement of work.

It is the responsibility of the irrigation contractor to familiarize themselves with all grade differences, location of walls, retaining walls, structures and utilities. Do not willfully install the sprinkler system as shown on the drawings when it is obvious in the field that unknown obstruction, grade differences or differences in the area dimensions exist that might not have been considered in the engineering. Such obstructions, or differences, should be brought to the attention of the owner's authorized representative. In the event this notification is not performed, the irrigation contractor shall assume full responsibility for any revisions necessary.

Irrigation contractor shall repair or replace all items damaged by their work. Irrigation contractor shall coordinate their work with other contractors for the location and installation of pipe sleeves and laterals through walls, under roadways and paving, etc.

The contractor shall take immediate steps to repair, replace, or restore all services to any utilities which are disrupted due to their operations. All costs involved in disruption of service and repairs due to negligence on the part of the contractor shall be their responsibility.

POINT OF CONNECTION (P.O.C.)

The park area P.O.C. is a new Flowtronics prefabricated enclosed 5 hp pump station model # CLCP–50–1–50 utilizing the adjacent canal as the water source. The P.O.C. must be capable of delivering a minimum of 50 GPM at 50 PSI downstream of the pump station discharge header.

The parking lot area P.O.C. is an existing mainline supplied by an existing Starite 5 hp pump model # DHJ3–170 utilizing an existing 4" well as the water source. The P.O.C. must be capable of delivering a minimum of 60 GPM at 45 PSI downstream of the proposed connection.

Contractor to verify these minimum conditions can be met prior to ordering of materials and the beginning of installation. If the conditions can not be met, the contractor must notify the designer prior to proceeding with the work. If the contractor does not do so, the contractor proceeds at their own risk and becomes responsible for any future work required to make the system perform as required.

THE PIPE

Pipe locations shown on the plan are schematic and shall be adjusted in the field. When laying out mainlines place a maximum of 18" away from either the back of curb, front of walk, back of walk, or other hardscape to allow for ease in locating and protection from physical damage. Install all lateral pipe near edges of pavement or against buildings whenever possible to allow space for plant root balls. Always install piping inside project property's boundary.

All pipes are to be placed in planting beds. If it is necessary to have piping under hardscapes, such as roads, walks, and patios, the pipes must be sleeved using Class 200 PVC with the sleeve diameter being twice the size of the pipe it is carrying with a minimum sleeve size of 2".

Pipe sizes shall conform to those shown on the drawings. No substitutions of smaller pipe sizes shall be permitted, but substitutions of larger sizes may be approved. All damaged and rejected pipe shall be removed from the site at the time of said rejection.

Mainline shall be Sch 40 solvent–weld PVC with Sch 40 solvent–weld PVC fittings (sized per plans).

Contractor to ensure all mainline piping is properly restrained using mechanical joint fittings, restraining collars, threaded rods, thrust blocks, etc.., as and where required. Contractor shall refer to pipe manufacturers recommended installation practices for further direction.

PVC pipe joint compound and primer: The PVC cement shall be Weld–On 711 (grey, slow–drying, heavy duty) and the primer shall be Weld–On P70 (purple tinted, compatible with cement), or approved equals.

ELECTRICAL POWER SUPPLY

Electrical supply for irrigation pumps, controllers, sensors, relays, cluster control units (CCU) to be provided by irrigation contractor. Contractor to coordinate with local utilities for the installation of, and connection to, site available power supplies for required electrical components as set forth in the irrigation plans.

All electrical work is to comply with the National Electrical Code and any, and all, other applicable electrical codes, laws and regulations. A licensed electrician shall perform all electrical hook–ups. Power for each controller/CCU shall be a dedicated 120 volt, 20 amp circuit unless otherwise specified in the plans. Power for each pump to be according to pump specifications indicated in these plans.

WIRING

Irrigation control wire shall be thermoplastic solid copper, single conductor, low voltage irrigation controller wire; suitable for direct burial and continuous operation at rated voltages.

Tape and bundle control wires every 10' and run alongside the mainline. At all turns in direction make a 2' coil of wire. At all valve boxes coil wire around a 3/4" piece of PVC pipe to make a coil using 30 linear inches of wire. Make electrical connections with 3MDBY/R connectors.

Number all wires, using an electrical book of numbers, according to the plans. Number wires in all valve boxes, junction boxes and at the controller.

Wire sized, numbered and colored as follows:
- #14 white for common
- #14 spare black common
- #14 individual color coded hot wire
- #14 spare yellow hot wire

Spare wires

Leaving each controller, run two spare wires in both directions (four spare wires total). Install as 1 common spare (2 total) and 1 hot wire (2 total). Loop these wires into each RCV along their path and terminate in the last valve box controlled by the wires respective controller. The loop into each valve box shall extend up into the valve box a minimum of 8" and be readily accessible by opening the valve box lid. These wires must be all numbered and color coded as required in these plans.

Controller and Pump station Control Panel grounding – Contractor to utilize 4"X8'X5/8" copper grounding plates, 5/8"X10' copper clad grounding rods, 'One Strike' CAD wells at all connection points, #6 bare copper wire, and earth contact material. Install these and other required components as outlined in the detail. Contractor to verify that the earth to ground resistance does not exceed 10 ohms. Contractor shall provide a written certification, on a licensed electrical contractors letter head, showing the date of the test, controller/pump location, and test results. Each controller/pump shall be so grounded and tested. Each component must have its own separate grounding grid, unless they are sitting side by side, in which case up to two controllers can share a common grounding grid.

LAYOUT

Lay out irrigation system mainlines and lateral lines. Make the necessary adjustments as required to take into account all site obstructions and limitations prior to excavating trenches.

Stake all sprinkler head locations. Adjust location and make the necessary modifications to nozzle types, etc. required to ensure 100% head to head coverage. Refer to the Edge of Pavement Detail on the Irrigation Detail Sheet.

Spray heads shall be installed 4" from sidewalks or curbed roadways and 12" from uncurbed roadways and building foundations. Rotors shall be installed 4" from sidewalks or curbed roadways, 12" from building foundations, and 36" from uncurbed roadways.

Shrub heads shall be installed on 3/4" Sch 40 PVC risers. The risers shall be set at a minimum of 18" off sidewalks, roadway curbing, building foundations, and/or any other hardscaped areas. Shrub heads shall be installed to a standard height of 4" below maintained height of plants and shall be installed a minimum of 6" within planted masses to be less visible and offer protection. Paint all shrub risers with flat black or forest green paint, unless irrigation system will utilize reuse water; in this case the risers shall be purple PVC and shall not be painted.

Locate valves prior to excavation. Ensure that their location provides for easy access and that there is no interference with physical structures, plants, trees, poles, etc. Valve boxes must be placed a minimum of 12" and a maximum of 15" from the edge of pavement, curbs, etc. and the top of the box must be 2" above finish grade. No valve boxes shall be installed in turf areas without approval by the irrigation designer – only in shrub beds. Never install in sport field areas.

VALVES

Sequence all valves so that the farthest valve from the P.O.C. operates first and the closest to the P.O.C. operates last. The closest valve to the P.O.C. should be the last valve in the programmed sequence.

Adjust the flow control on each RCV to ensure shut off in 10 seconds after deactivation by the irrigation controller.

Using an electric branding iron, brand the valve I.D. letter/number on the lid of each valve box. This brand must be 2"–3" tall and easily legible.

EQUIPMENT

All pop–up heads and shrub risers shall be pressure compensating. All pop–up heads shall be mounted on flex–type swing joints. All rotors shall be installed with PVC triple swing joints unless otherwise detailed.

All sprinkler equipment, not otherwise detailed or specified on these plans, shall be installed as per manufacturer's recommendations and specifications, and according to local and state laws.

TRENCHING

Excavate straight and vertical trenches with smooth, flat or sloping bottoms. Trench width and depth should be sufficient to allow for the proper vertical and horizontal separation between piping as shown in the pipe installation detail on the detail sheet.

Protect existing landscaped areas. Remove and replant any damaged plant material upon job completion. The replacement material shall be of the same genus and species, and of the same size as the material it is replacing. The final determination as to what needs to be replaced and the acceptability of the replacement material shall be solely up to the owner or owner's representative.

INSTALLATION

Solvent Weld Pipe: Cut all pipe square and deburr. Clean pipe and fittings of foreign material; then apply a small amount of primer while ensuring that any excess is wiped off immediately. Primer should not puddle or drip from pipe or fittings. Next apply a thin coat of PVC cement; first apply a thin layer to the pipe, next a thin layer inside the fitting, and finally another very thin layer on the pipe. Insert the pipe into the fitting. Insure that the pipe is inserted to the bottom of the fitting, then turn the pipe a 1/4 turn and hold for 10 seconds. Make sure that the pipe doesn't recede from the fitting. If the pipe isn't at the bottom of the fitting upon completion, the glue joint is unacceptable and must be discarded.

Pipes must cure a minimum of 30 minutes prior to handling and placing into trenches. A longer curing time may be required; refer to the manufacturer's specifications. The pipe must cure a minimum of 24 hours prior to filling with water.

BACK FILL

The Back fill 6" below, 6" above, and around all piping shall be of clean sand and anything beyond that in the trench can be of native material but nothing larger than 2" in diameter.

Main line pipe depth measured to the top of pipe shall be:
24" minimum for 3/4"–2 1/2" PVC with a 30" minimum at vehicular crossings;

Lateral line depths measured to top of pipe shall be:
18" minimum for 3/4"–3" PVC with a 30" minimum at vehicular crossings;

Contractor shall backfill all piping, both mainline and laterals, prior to performing any pressure tests. The pipe shall be backfilled with the exception of 2' on each side of every joint (bell fittings, 90's, tees, 45's, etc.). These joints shall not be backfilled until all piping has satisfactorily passed its appropriate pressure test as outlined below.

FLUSHING

Prior to the placement of valves, flush all mainlines for a minimum of 10 minutes or until lines are completely clean of debris, whichever is longer.

Prior to the placement of heads, flush all lateral lines for a minimum of 10 minutes or until lines are completely clean of debris, whichever is longer.

Use screens in heads and adjust heads for proper coverage avoiding excess water on walls, walks and paving.

TESTING

Soil: At a minimum of 2 locations on the site, soil tests for infiltration and texture shall be performed according to the USDA Soil Quality Test Kit Guide. The tests shall be documented in a USDA Soil Worksheet. (All of the above is available at http: //soils.usda.gov/sqi/assessment/ test_kit.html) The completed worksheet shall be submitted to the owners representative for review/approval. Do not proceed without written direction from the owner/owner's representative.

Mainline: Remove all remote control valves and cap using a threaded cap on SCH 80 nipple. Hose bibs and gate valves shall not be tested against during a pressure test unless authorized by written permission from the owner. Fill mainline with water and pressurize the system to 125 PSI. Monitor the system pressure at two gauge locations; the gauge locations must be at opposite ends of the mainline. With the same respective pressures, monitor the gauges for two hours. There can be no loss in pressure at either gauge for solvent–welded pipe.

If these parameters are exceeded, locate the problem; repair it; wait 24 hours and retry the test. This procedure must be followed until the mainline passes the test.

Lateral Lines: The lateral lines must be fully filled to operational pressure and visually checked for leaks. Any leaks detected must be repaired.

Operational Testing –Once the mainline and lateral lines have passed their respective tests, and the system is completely operational, a coverage test and demonstration of the system is required. The irrigation contractor must demonstrate to the owner, or his/her representative, that proper coverage is obtained and the system works automatically from the controller. This demonstration requires each zone to be turned on, in the proper sequence as shown on the plans, from the controller. Each zone will be inspected for proper coverage and function. The determination of proper coverage and function is at the sole discretion of the owner or owner's representative.

Upon completion of the operational test, run each zone until water begins to puddle or run off. This will allow you to determine the number of irrigation start times necessary to meet the weekly evapotranspiration requirements of the planting material in each zone. In fine sandy soils, it is possible no puddling will occur. If this is experienced, then theoretical calculations for run times will be required for controller programming.

SUBMITTALS

Pre–Construction: The contractor must submit for written approval, prior to installation, five (5) copies of the manufacturer's cut sheets/specifications for all components to be used in the irrigation system.

After project completion:
As a condition of final acceptance, the irrigation contractor shall provide the owner with:

1. Irrigations As–builts – shall be provided utilizing a sub–foot Global Positioning System (GPS) to accurately locate all mainlines, sleeves, remote control valves, gate valves, independent wire runs, wire splice boxes, controllers, high voltage supply sources/conduit path, control mechanisms, sensors, wells and water source connections in Florida East State Plane, NAD 83, and CORS 96 format. The data collected shall be in POINT format and include an ID for each data point with Manufacturer, Type, Size, and Depth. All mainline and independent runs of wire shall be located every 30' for straight runs and at every change of direction. Sleeves will be located at end points and every 20' of length. All underground items shall include depth in inch format. These POINTS once collected shall be imported into an AutoCAD DWG geo–referenced base file to be labeled accordingly. The completed AS–Built shall be a Geo–Referenced DWF file and delivered to the owner on a compact disk (CD).

2. Controller charts – Upon completion of "as–built" prepare controller charts; one per controller. Indicate on each chart the area controlled by a remote control valve (using a different color for each zone). This chart shall be reduced to a size that will fit inside of the controller door. The reduction shall be hermetically sealed inside two 2ml pieces of clear plastic.

3. Grounding Certification – Provide ground certification results for each controller and pump panel grounding grid installed. This must be on a licensed electrician letter head indicating location tested (using IR plan symbols), date, time, test method, and testing results.

INSPECTIONS AND COORDINATION MEETINGS REQUIRED – Contractor is required to schedule, perform, and attend the following, and demonstrate to the owner and/or owners representative to their satisfaction, as follows:

1. Pre–construction meeting – Designer and contractor to review entire install process and schedule with owner/general contractor.
2. Mainline installation inspection(s) – all mainline must be inspected for proper pipe, fittings, depth of coverage, backfill. and installation method
3. Mainline pressure test – All mainline shall be pressure tested according to this designs requirements
4. USDA Soil Quality Tests for infiltration/texture
5. Coverage and operational test
6. Final inspection
7. Punch list inspection

FINAL ACCEPTANCE

Final acceptance of the irrigation system will be given after the following documents and conditions have been completed and approved. Final payment will not be released until these conditions are satisfied.

1. All above inspections are completed, documented, and approved by owner.
2. Completion and acceptance of 'as–built' drawings.
3. Acceptance of required controller charts and placement inside of controllers.
4. All other submittals have be made to the satisfaction of the owner.

GUARANTEE: The irrigation system shall be guaranteed for a minimum of one calendar year from the time of final acceptance.

MINIMUM RECOMMENDED IRRIGATION MAINTENANCE PROCEDURES

1. Every irrigation zone should be checked monthly and written reports generated describing the date(s) each zone was inspected, problems identified, date problems repaired, and a list of materials used in the repair. At minimum, these inspections should include the following tasks:

A. Turn on each zone from the controller to verify automatic operation.
B. Check schedules to ensure they are appropriate for the season, plant and soil type, and irrigation method. Consult an I.A. certified auditor for methods used in determining proper irrigation scheduling requirements.
C. Check remote control valve to ensure proper operation.
D. Check setting on pressure regulator to verify proper setting, if present.
E. Check flow control and adjust as needed; ensure valve closure within 10–15 seconds after deactivation by controller.
F. Check for leaks – mainline, lateral lines, valves, heads, etc.
G. Check all heads as follows:

1. Proper set height (top of sprinkler is 1" below mow height)
2. Verify head pop–up height – 6" in turf, 12" in ground cover, and pop–up on riser in shrub beds.
3. Check wiper seal for leaks – if leaking, clean head and re–inspect. If still leaking, replace head with the appropriate head with pressure regulator and built–in check valve.
4. All nozzles checked for proper pattern, clogging, leaks, correct make & model, etc. – replace as needed
5. Check for proper alignment – perfectly vertical; coverage area is correct; minimize over spray onto hardscapes.
6. Riser height raised/lowered to accommodate plant growth patterns and ensure proper coverage.
7. verify the pop–up riser retracts after operation. If not, repair/replace as needed.

2. Check controller/C.C.U. grounds for resistance (10 ohms or less) once per year. Submit written reports.

3. Check rain shut–off device monthly to ensure it functions properly.

4. Inspect all filters monthly and clean/repair/replace as needed.

5. Inspect backflow devices by utilizing a properly licensed backflow inspector. This should be done annually, at minimum.

6. Inspect all valve boxes to ensure they are in good condition, lids are in place and locked.

7. Check pump stations for proper operation, pressures, filtration, settings, etc. – refer to pump station operations manual.

8. Check and clean intake screens on all suction lines quarterly, at minimum. Clean and/or repair, as needed.

9. Winterize, if applicable, as weather in your area dictates. Follow manufacturer recommendations and blow out all lines and equipment using compressed air. Perform seasonal startup of system as per manufacturer recommendations.

10. Conduct additional inspections, maintenance tasks, etc. that are particular for your site.

Soil Moisture Sensor

1. Place all soil moisture sensor wiring in 1" SCH 40 PVC conduit

2. Soil moisture sensor should be placed in the middle of a spray or drip area as per manufacturer's recommendations.

	DESCRIPTION:	BY:	DATE:
4	PER LANDSCAPE CHANGES	JJ	11/20/15
3	PER LANDSCAPE CHANGES	JJ	3/13/15

DATE: 10/23/13
SCALE: N.T.S.
DESIGN BY: MAW
DRAWN BY: MAW
CHECKED BY: MM
APPROVED BY: JJ

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TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AREA

IRRIGATION NOTES

PROJECT NO.
09-0056-001-01

IR-5

SHEET 5 OF 5