

Prepared By: Shantel W. Ocampo, Counsel, Duke Energy
Return To: Duke Energy Florida, LLC
Data & Document Management
452 East Crown Point Road, WG13
Winter Garden, FL 34787

Property No.: 107830,
108109, 108486, 108487,
108712, 108783, 108108,
108109
Land Unit No.: 1187380 &
1198554

STATE OF FLORIDA

ENCROACHMENT AGREEMENT

COUNTY OF SEMINOLE

THIS ENCROACHMENT AGREEMENT (“Agreement”), made this day of , 2026 (“Effective Date”) by and between **DUKE ENERGY FLORIDA, LLC**, a Florida limited liability company (“Grantor”), and **SEMINOLE COUNTY**, a charter county and political subdivision of the State of Florida, whose address is 1101 East First Street, Sanford, Florida 32771. (“Grantee”).

WHEREAS, Grantor owns an easement and right of way of one hundred feet (100’) in total width (the “Easement Area”) pursuant to that certain document recorded in Official Records Book 117 at Page 96, Official Records Book 149 at Page 364, Official Records Book 149 at Page 365, Official Records Book 149 at Page 368, Official Records Book 149 at Page 369, and Official Records Book Page 149 at Page 372, in the Public Records of SEMINOLE County, Florida, (the “Easement Documents”) that permits the construction, operation, and maintenance of electric facilities (“Facilities”) on certain property located in Seminole County, Florida;

WHEREAS, Grantee has placed (or caused to be placed) **utility infrastructure including, but not limited to, a sewer pump station, force mains, gravity mains, manholes, and water mains (“Existing Encroachments”)** within the Easement Area which encroach upon a portion of the Easement Area for the provision of public utility purposes , and Grantor acknowledges it has permitted and allowed the Existing Encroachments to remain and operate within the Easement Area in the locations shown on Exhibit “A”, attached hereto and incorporated herein by reference; and

WHEREAS, Grantee will place (or cause to be placed) **flow meter assembly(s), valves, associated gates and fencing, and any other associated facilities or equipment (“Additional Encroachments”)** within the Easement Area, as shown in Exhibit “A”, and desires authority to encroach upon a portion of the Easement Area for the purposes described herein; and

WHEREAS, Grantor is willing to permit the Existing Encroachments and Additional Encroachments within the Easement Area pursuant to the terms and conditions of this Agreement.

NOW, THEREFORE, Grantor for and in consideration of the sum of Ten and No/100 Dollars (\$10.00) and other valuable consideration to it paid by Grantee, the receipt and sufficiency of which are hereby acknowledged, does hereby grant unto Grantee, the non-perpetual right to

encroach upon the identified portions of the Easement Area as described herein and shown on Exhibit "A" pursuant to the following terms and conditions:

1. **Permitted Encroachments.** Grantor agrees to allow Grantee to encroach upon the Easement Area for the installation, maintenance, repair, replacement, and operation of the Existing Encroachments and the Additional Encroachments over those portions of the Easement Area identified in Exhibit "A" showing the locations of the Existing Encroachments and the Additional Encroachments (whether one or more, collectively and individually the "Permitted Encroachments")
2. **Alterations.** The Permitted Encroachment must be constructed in strict compliance with the design shown on the plans identified as Rinehart Rd. Force Main Valves and Flow Meter Installation, by CPH LLC (the "Plans"). No alterations from the Plans may be made during or after the construction of the Permitted Encroachments, other than to make the Permitted Encroachments take up less of the footprint shown on the Plans, to make them closer to ground level within the footprint shown on the Plans or with approval by Grantor, which will not be unreasonably withheld. Compliance with the Plans and these limitations on alterations are necessary and essential to render Grantee's use of Easement Area consistent with the safe, reliable, and efficient construction, operation, and maintenance of the existing and future Facilities located on the Easement Area.

All applicable Federal, State, and Local laws, rules, and regulations, and the then existing Transmission Line Asset Protection Guidelines govern any alterations to the Permitted Encroachments, including, without limitation, any minimum distances that must be maintained from the Facilities. Nothing in this Agreement may be construed to permit changes in elevation of grade to occur other than as expressly allowed or required on the Plans or in this Agreement.

Grantor may, from time to time, require Grantee to install, at Grantee's expense, radio frequency identification markers on the Permitted Encroachments. Such markers must meet Grantor's specifications for installation and operation.

3. **Reaffirmation.** Notwithstanding anything to the contrary herein, by executing this Agreement the parties reaffirm the terms of the Easement Documents and acknowledge that this Agreement does not permanently alter, limit, or amend those terms. This Agreement only identifies the Permitted Encroachments as non-hostile and permits them to be installed and remain pursuant to the terms of this Agreement. This Agreement does not constitute a transfer of an interest in land or Grantor's rights granted in the Easement Documents.
To the extent the Easement Area constitutes the public right-of-way of Grantee, this Agreement in no way alters or diminishes Grantor's responsibility to comply with all applicable laws for such public right-of-way, including Chapter 75 of the Seminole County Land Development Code concerning right-of-way use permitting.
4. **Wetlands and Vegetation.** The Easement Area may not be used by Grantee to satisfy wetland mitigation requirements. Grantee shall not plant any trees or shrubbery in the Easement Area without prior written approval from Grantor.

5. **Grantor Free From Liability.** Grantor will not be liable for any damages to the Permitted Encroachment resulting from Grantor's use of the Easement Area, nor for any damage to landscaping, driveways, or irrigation systems that may result from Grantor's access to the Easement Area.
6. **Additional Consent May Be Required.** Grantor makes no warranties or representations as to Grantee's contemplated use of the Easement Area, and in no way may be deemed to have consented to such use on behalf of the owner of the property on which the Easement Area exists. Grantee acknowledges that Grantor's entering into this Agreement does not, by itself, grant any rights to Grantee to use any portion of the Easement Area, and that the consent of other parties (including, without limitation, the owner of the property and any mortgagee of such owner) may be required for Grantee to obtain any rights over the property encumbered by the Easement Area.
7. **Grantee's Sole Risk and Expense.** Grantee acknowledges that the use of the Easement Area will be at Grantee's sole risk and expense. Grantor will in no way be liable to Grantee for any costs, expenses, losses, damages, or liabilities incurred by Grantee's use of the Easement Area. Subject to the monetary and other limitations of Section 768.28, Florida Statutes, as this statute may be amended from time to time, which limitations are deemed to apply to this Agreement regardless of whether the nature of the liability is based on tort, contract, or otherwise, Grantee shall indemnify and hold harmless Grantor, its affiliates, subsidiaries, members, managers, officers, agents, employees, successors and assigns (collectively, "Grantor Parties") from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of Grantee and persons employed or utilized by Grantee in the performance of this Agreement. Grantee's indemnity obligations will survive the termination of this Agreement.

All of Grantee's operations, activities, and equipment used within the Easement Area or in proximity to any of the Facilities must, at all times, be in strict compliance with applicable provisions of the National Electrical Safety Code (NESC), the Occupational Safety and Health Act of 1971 (OSHA), and the OSHA Crane Construction Standards For Power Line Safety, Sections 1926.1408 & .1409. Grantee is further notified and hereby agrees to so notify any of Grantee's employees, agents, contractors, representatives, or other persons engaging in Grantee's activities upon the Easement Area with Grantee's knowledge and under Grantee's supervision or control, that extreme caution is necessary around the Facilities, and in the event of any damages or injuries, Grantee shall immediately report the nature and extent thereof to Grantor's nearest local office or corporate toll free number.

Grantee shall not use any equipment within the Easement Area that is capable of extending over twelve (12) feet in height above natural ground surface level without prior written approval from Grantor unless an observer, approved by Grantor, is present during the use. Grantee shall bear all costs associated with the observer.

8. **Transferability.** The rights granted and retained under this Agreement inure to the benefit of the heirs, successors, and assigns of the parties, and will run with the land.

9. **Notice.** Any notices and other communications required under this Agreement or relating hereto must be in writing and delivered via personal delivery, certified United States mail (return receipt requested), or overnight delivery through a reputable carrier to:

Grantor: Duke Energy Florida, LLC
Attn: Transmission Asset Protection
299 1st Ave N.
St. Petersburg, Florida 33701

Grantee: Seminole County
Attn: Director, Seminole County Utilities Department
1101 East First Street
Sanford, Florida 32771

10. **Termination.** This Agreement will terminate or may be terminated in the following instances.

- a. If construction of the Permitted Encroachment does not begin within twelve (12) months of the Effective Date, and continue thereafter at a reasonable pace, then this Agreement will automatically terminate.
- b. If at any point following the Effective Date, Grantor, in its sole discretion, determines that the Permitted Encroachment needs to be removed in order to continue furnishing safe and reliable electric service to its customers, then upon six (6) months' notice from Grantor, Grantee will remove the Permitted Encroachment at the sole expense of Grantee.
- c. If Grantee violates any provision of this Agreement, then Grantor may terminate this Agreement with written notice to Grantee. If the violation is non-material then Grantee will be entitled to six (6) months to remove the Permitted Encroachment following notice of Grantor's termination. If the breach is material, then such termination will be immediate. Without limitation, the parties agree that Sections 1, 2, 3, and 4 are material.
- d. If Grantee removes or reduces the size of any Permitted Encroachment, it will not be entitled to restore or expand the Permitted Encroachment to its original size as of the Effective Date. If the Permitted Encroachment is removed in full then this Agreement will automatically terminate.

11. **Recitals.** The recitals set forth at the opening of this Agreement are incorporated herein as if fully restated in this Section 11.

12. **Law and Venue.** This Agreement is governed by the laws of the State of Florida without regard to the conflicts of law provisions therein. The parties agree that the proper venue

for any dispute related to this agreement are the state or federal courts located in Seminole County, and the parties hereby submit to the jurisdiction thereof.

13. **Entire Agreement.** This Agreement contains the complete understanding of the parties and supersedes any prior and contemporaneous communications, agreements, and assurances related to the subject matter of this Agreement. Any modification of this Agreement must be agreed to in writing and signed by the parties. This Agreement may be executed in any number of counterparts, each of which will be deemed an original, but all of which together constitute but one and the same Agreement.
14. **No Waiver.** The failure of Grantor in any one or more instances to insist upon compliance with any provision or covenant herein or to exercise any right or privilege herein will not constitute or be construed as a waiver of such or any similar provision or covenant.
15. **Severability.** If any term of this Agreement is to any extent illegal, otherwise invalid, or incapable of being enforced, such term will be excluded to the extent of such invalidity or unenforceability. All other terms of this Agreement will remain in full force and effect. To the extent permitted and possible, the invalid or unenforceable term will be deemed replaced by a term that is valid and enforceable and that comes closest to expressing the intention of such invalid or unenforceable term.
16. **Cost Recovery.** In the event of litigation over this Agreement, the prevailing party in such litigation will be entitled to recover from the other party the prevailing party's reasonable costs, including attorneys' fees, incurred in bringing or defending any action or proceeding related to this Agreement.
17. **No Third-Party Beneficiaries.** Nothing in this Agreement operates to create any rights in any third parties to this Agreement, there are no third-party beneficiaries to this Agreement, and no third party to this Agreement will be entitled to assert a claim against any of the parties to this Agreement based upon this Agreement.
18. **Headings and Captions.** All headings and captions contained in this Agreement are provided for convenience only, do not constitute a part of this Agreement, and may not be used to define, describe, interpret, or construe any provision of this Agreement.

(Remainder of page intentionally blank. Signature pages follow.)

IN WITNESS WHEREOF, the parties hereby have affixed their names under seal by their duly authorized officers the day and year first above written.

GRANTOR:

Witnesses:

DUKE ENERGY FLORIDA, LLC, (SEAL)
a Florida limited liability company

By: _____ (SEAL)

Name: _____

Name: Karen Adams
Title: Manager, Land Services – Florida Region

Address: _____



Name: _____

Address: _____

STATE OF FLORIDA

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day _____, 2026 by Karen Adams, as Manager, Land Services – Florida Region of DUKE ENERGY FLORIDA, LLC, a Florida limited liability d/b/a Duke Energy, on behalf of said company. She is personally known to me or has produced _____ as identification.

(Affix Seal)

Print Name: _____

My Commission Expires: _____

[Signatures Continue on Following Page]

ATTEST:

BOARD OF COUNTY COMMISSIONERS
SEMINOLE COUNTY, FLORIDA

GRANT MALOY
Clerk to the Board of
County Commissioners of
Seminole County, Florida.

By: _____
ANDRIA HERR, Chairman

Date: _____

For the use and reliance of
Seminole County only.

As authorized for execution by the Board of
County Commissioners at its _____,
20____, regular meeting.

Approved as to form and
legal sufficiency.

County Attorney

Attachment:

Exhibit "A" Existing and Encroachments and Additional Encroachments

Sections 7, 8, 17, and 18, Township 20 South, Range 30 East
Seminole County, Florida

PART 1 • SEMINOLE COUNTY UTILITIES ENCROACHMENTS - EASEMENT AREA WITHIN SECTION 17 & 18 OF FPC POWER EASEMENT (WSP SURVEY-Rinehart Road Utility Project)

PART 2 • SEMINOLE COUNTY FORCE MAIN ENCROACHMENTS - EASEMENT AREA WITHIN SECTION 6 & 7 OF FPC EASEMENT (RINEHART ROAD RIGHT-OF-WAY MAP)

PART 3 • SEMINOLE COUNTY CONSTRUCTION PLAN ENCROACHMENTS - EASEMENT AREA WITHIN SECTION 6 & 7 & 18 (RINEHART ROAD FORCE MAIN VALVES AND FLOW METER INSTALLATION)



Prepared by:

WSP USA ENVIRONMENT & INFRASTRUCTURE, INC.
500 Northlake Boulevard, Suite 1050
Alhambra Springs, CA 91799 USA
Phone: (497) 322-1250
www.wspusa.com

1002-100 1.

Circle 7 on Reader Service Card

CITY OF LAKE MARY SEMINOLE COUNTY, FLORIDA

EXHIBIT "A"
Part 2 of 3



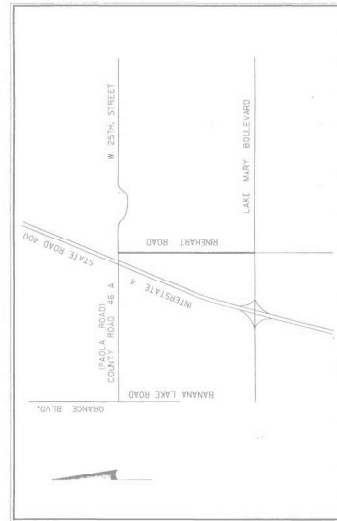
SURVEYOR'S NOTES:

1. BEARINGS ARE BASED ON THE EAST LINE OF THE SOUTHEAST 1/4 OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 31 EAST AS BEING NORTH 00°01'24" EAST AN ASSUMED BEARING.
2. EXIST. IMPROVEMENTS AND UNDERGROUND ENCROACHMENTS HAVE NOT BEEN LOCATED UNLESS OTHERWISE SHOWN.
3. ALL SHEETS FOR STREET RIGHT-OF-WAY SHOWN ARE PHYSICALLY OPEN UNLESS OTHERWISE NOTED.
4. ALL STATIONING REFERS TO CENTERLINE CONSTRUCTION.
5. PROPERTY BOUNDARIES DETERMINED FROM RECORD FILE.
6. FOR CENTERLINE REFERENCE DETAILS SEE SHEET 6 OF 8 OF THE CONTROL SURVEY FOR RINEHART ROAD PREPARED BY GLAD & RADCLIFFE, INC.
7. THIS RIGHT-OF-WAY MAP IS BASED ON A CONTROL SURVEY PERFORMED BY RONALD W. KESSELRING, FLORIDA REGISTRATION NO. 2556, DATED 06/12/1994.
8. THIS IS NOT A SURVEY.

RIGHT-OF-WAY MAP

RINEHART ROAD

FROM LAKE MARY BOULEVARD
TO COUNTY ROAD 46 A



LOCATION MAP
NOT TO SCALE

INDEX OF SHEETS	
SHEET NUMBER	DESCRIPTION
1	COVER SHEET
2-3	KEY SHEETS
4	SECTION 27
5	SECTION 28
6	SECTION 29
7	SECTION 30
8	SECTION 31
9	SECTION 32
10	SECTION 33
11	SECTION 34
12	SECTION 35
13	SECTION 36
14	SECTION 37
15	SECTION 38
16	SECTION 39
17	SECTION 40
18	SECTION 41
19	SECTION 42
20	SECTION 43
21	SECTION 44
22	SECTION 45
23	SECTION 46
24	SECTION 47
25	SECTION 48
26	SECTION 49
27	SECTION 50
28	SECTION 51
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66	SECTION 89
67	SECTION 90
68	SECTION 91
69	SECTION 92
70	SECTION 93
71	SECTION 94
72	SECTION 95
73	SECTION 96
74	SECTION 97
75	SECTION 98
76	SECTION 99
77	SECTION 100

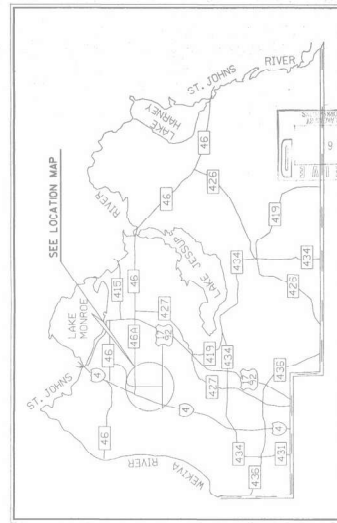
GLAD & RADCLIFFE, Inc.

Consulting Engineers, Planners & Surveyors
800 South Orlando Avenue, Maitland, Florida 32751
Telephone: (407) 647-6623

LEGEND:

AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU	LV	LW	LX	LY	LZ	MA	MB	MC	MD	ME	MF	MG	MH	MI	MJ	MK	ML	MM	MN	MO	MP	MQ	MR	MS	MT	MU	MV	MW	MX	MY	MZ	NA	NB	NC	ND	NE	NF	NG	NH	NI	NJ	NK	NL	NM	NN	NO	NP	NQ	NR	NS	NT	NU	NV	NW	NX	NY	NZ	OA	OB	OC	OD	OE	OF	OG	OH	OI	OJ	OK	OL	OM	ON	OO	OP	OQ	OR	OS	OT	OU	OV	OW	OX	OY	OZ	PA	PB	PC	PD	PE	PF	PG	PH	PI	PJ	PK	PL	PM	PN	PO	PP	PQ	PR	PS	PT	PU	PV	PW	PX	PY	PZ	QA	QB	QC	QD	QE	QF	QG	QH	QI	QJ	QK	QL	QM	QN	QO	QP	QQ	QR	QS	QT	QU	QV	QW	QX	QY	QZ	RA	RB	RC	RD	RE	RF	RG	RH	RI	RJ	RK	RL	RM	RN	RO	RP	RQ	RR	RS	RT	RU	RV	RW	RX	RY	RZ	SA	SB	SC	SD	SE	SF	SG	SH	SI	SJ	SK	SL	SM	SN	SO	SP	SQ	SR	SS	ST	SU	SV	SW	SX	SY	SZ	TA	TB	TC	TD	TE	TF	TG	TH	TI	TJ	TK	TL	TM	TN	TO	TP	TQ	TR	TS	TT	TU	TV	TW	TX	TY	TZ	UA	UB	UC	UD	UE	UF	UG	UH	UI	UJ	UK	UL	UM	UN	UO	UP	UQ	UR	US	UT	UU	UV	UW	UX	UY	UZ	VA	VB	VC	VD	VE	VF	VG	VH	VI	VJ	VK	VL	VM	VN	VO	VP	VQ	VR	VS	VT	VU	VV	VW	VX	VY	VZ	WA	WB	WC	WD	WE	WF	WG	WH	WI	WJ	WK	WL	WM	WN	WO	WP	WQ	WR	WS	WT	WU	WV	WW	WX	WY	WZ	XA	XB	XC	XD	XE	XF	YG	YH	YI	YJ	YK	YL	YM	YN	YO	YP	YQ	YR	YS	YT	YU	YV	YW	YX	YY	YZ	ZA	ZB	ZC	ZD	ZE	ZF	ZG	ZH	ZI	ZJ	ZK	ZL	ZM	ZN	ZO	ZP	ZQ	ZR	ZS	ZT	ZU	ZV	ZW	ZX	ZY	ZZ
APRES	ADDITION	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	AD																																																																																																																																																																																																																											

RECEIVED
APR 26 2001
HARRIS COUNTY
SEMINOLE COUNTY



VICINITY MAP
NOT TO SCALE

1307-1-08

PROJECT NO.	100
SHEET	3
DATE	1/1/00
BY	W/A

City of Lake Mary
SECTION 6, TOWNSHIP 20 SOUTH, RANGE 30 EAST

SECTION 31
TOWNSHIP 19 SOUTH
RANGE 30 EAST

SECTION 32
TOWNSHIP 19 SOUTH
RANGE 30 EAST

SECTION 5, TOWNSHIP 20 SOUTH, RANGE 30 EAST

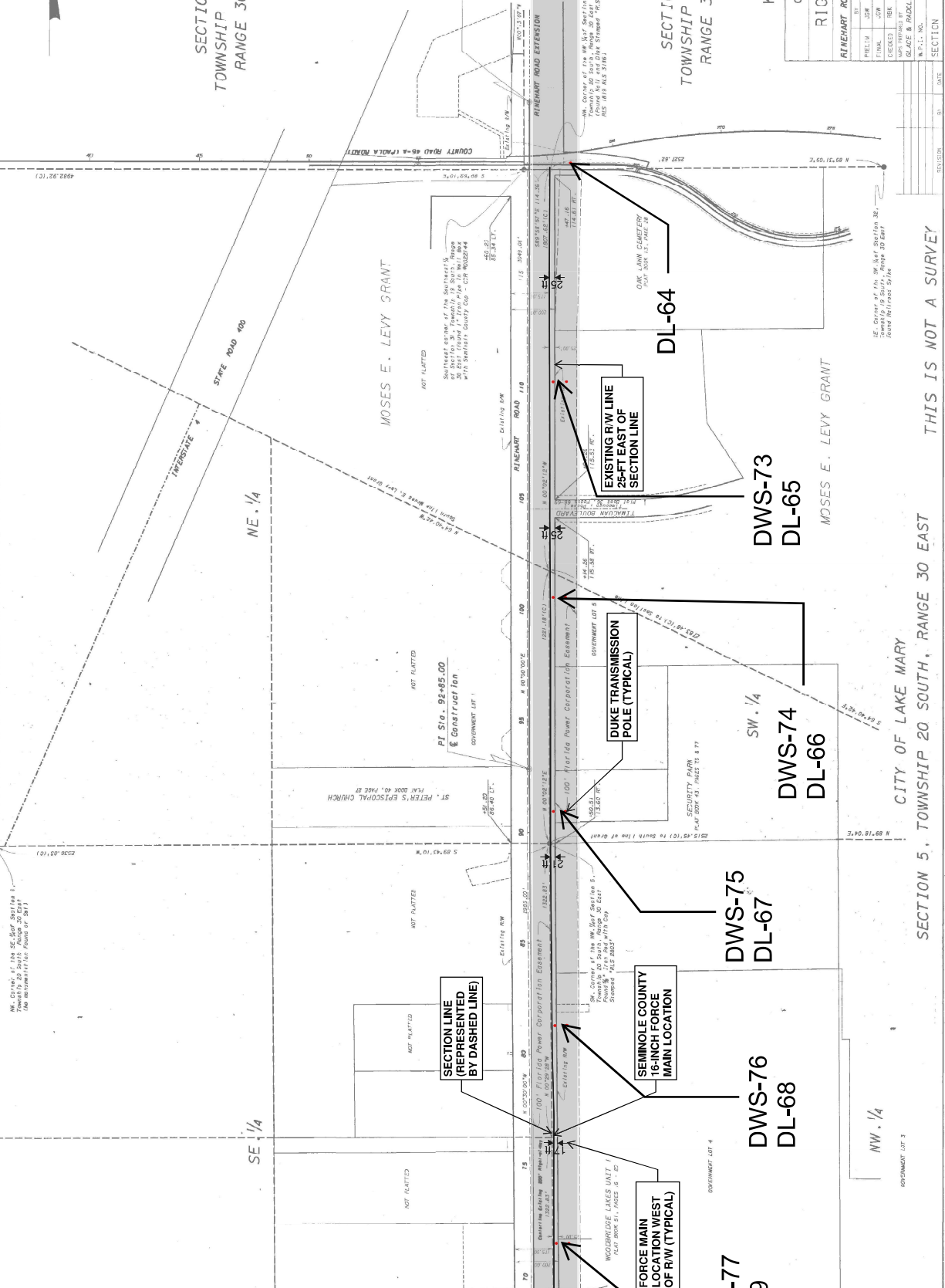
CITY OF LAKE MARY

SECTION 6, TOWNSHIP 20 SOUTH, RANGE 30 EAST

CITY OF LAKE MARY

SECTION 5, TOWNSHIP 20 SOUTH, RANGE 30 EAST

CITY OF LAKE MARY



KEY SHEET

CITY OF LAKE MARY
RIGHT-OF-WAY MAP
APPROVED BY
DATE
FILED
APR 05 2001
FILED
APR 05 2001
FILED
APR 05 2001

SECTION	3 OF 13
DATE	1/1/00
BY	W/A
SCALE	1" = 200'
FILED	1/1/00
APR 05 2001	
FILED	
APR 05 2001	
FILED	
APR 05 2001	

THIS IS NOT A SURVEY

SECTION 5, TOWNSHIP 20 SOUTH, RANGE 30 EAST

CITY OF LAKE MARY

SECTION 6, TOWNSHIP 20 SOUTH, RANGE 30 EAST

SEMINOLE COUNTY BOARD OF COUNTY COMMISSIONERS
UTILITIES DEPARTMENT

EXHIBIT "A"
Part 3 of 3

100% CONSTRUCTION PLANS FOR

02208026

RINEHART RD. FORCE MAIN VALVES
AND FLOW METER INSTALLATION

CX-XXXX-XX (TBD)



BOARD OF COUNTY COMMISSIONERS
BOB DALLARD
LEE CONSTANTINE
JAMES HARRIS
ANDREW HERS
DARRIN GRAY
DISTRICT 1
DISTRICT 2
DISTRICT 3
DISTRICT 4
VICE CHAIR, DISTRICT 5
COUNTY MANAGER

UTILITIES DEPARTMENT
800 W. LAKE MARY BLVD., SANFORD, FL 32773
407-485-2119
DEPARTMENT DIRECTOR: KIM GRUBBERG, P.E.
UTILITY DIVISION MANAGER: WILLIAM WHITE, P.E.

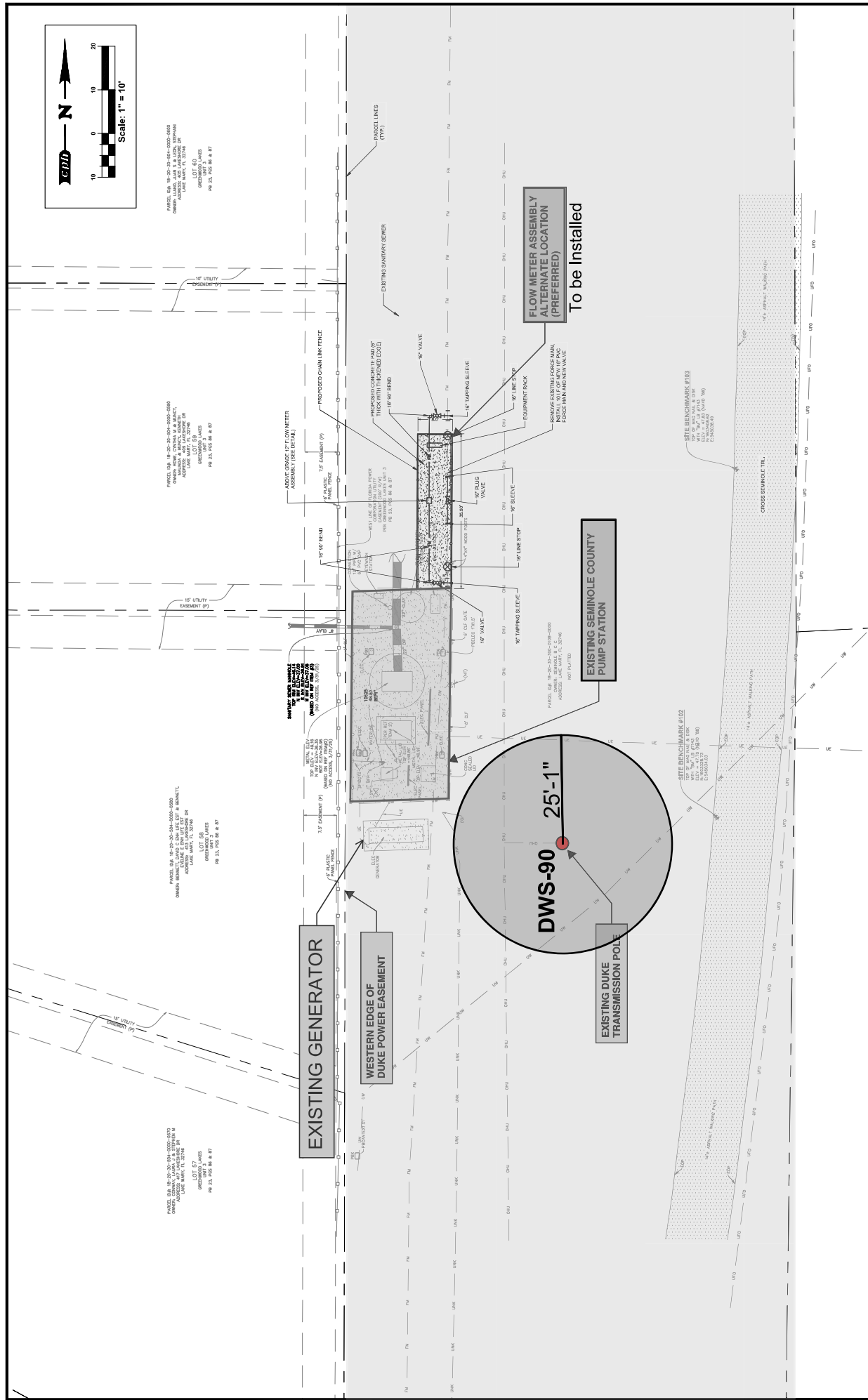
Index of Sheets

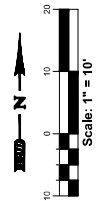
CLD	Cover Sheet
CS4	Site Plan
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CS98	Site Plan
CS99	Site Plan
CS100	Site Plan

500 West Fulton Street
Sanford, FL 32771
PH: 407-255-0241
Plans Prepared By:
CPH, LLC
A Full Service A & E Firm
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A Full Service
A & E Firm
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NOTES
1. THESE PLANS ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES WITHOUT BEING STAMPED
AND SIGNED BY A PROFESSIONAL ENGINEER OR ARCHITECT. ANY VIOLATION OF THESE RULES
WILL BE PUNISHED BY THE STATE OF FLORIDA.

JOE# S09105
DATE: FEBRUARY 2024
ROCCO R. NASSO
P.E. No. 54121

[illegible][illegible]



Rev	Date	Revision	Rev	Date	Revision
1			1		
2			2		
3			3		
4			4		
5			5		
6			6		
7			7		
8			8		
9			9		
10			10		

Drawn By: C. S. K. S. K.	Checked By: R. N. S. S. S.	Date: 2/2/2024	Job No.: 559105
Project: RINEHART RD. FORCE MAIN VALVES AND FLOW METER INSTALLATION	Client: SEMINOLE COUNTY	Scale: 1" = 10'	Sheet No.: C6.0

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS.





PIPE RESTRAINT FOR PVC PIPE (C-500/C-645 OR 18) MINIMUM
RESTRAINED LENGTH (FT) - EACH SIDE OF FITTING

PIPE TYPE	4	6	8	10	12	14	16	18	20	24	30
VERT. UP OR HORZ.											
1" DIA. BEND	2	3	3	4	4	5	5	6	7	8	
2" DIA. BEND	3	4	5	6	7	8	9	10	11	12	13
3" DIA. BEND	4	5	6	7	8	9	10	11	12	13	14
4" DIA. BEND	5	6	7	8	9	10	11	12	13	14	15
6" DIA. BEND	7	8	9	10	11	12	13	14	15	16	17
8" DIA. BEND	9	10	11	12	13	14	15	16	17	18	19
10" DIA. BEND	11	12	13	14	15	16	17	18	19	20	21
12" DIA. BEND	13	14	15	16	17	18	19	20	21	22	23
14" DIA. BEND	15	16	17	18	19	20	21	22	23	24	25
16" DIA. BEND	17	18	19	20	21	22	23	24	25	26	27
18" DIA. BEND	19	20	21	22	23	24	25	26	27	28	29
20" DIA. BEND	21	22	23	24	25	26	27	28	29	30	31
22" DIA. BEND	23	24	25	26	27	28	29	30	31	32	33
24" DIA. BEND	25	26	27	28	29	30	31	32	33	34	35
26" DIA. BEND	27	28	29	30	31	32	33	34	35	36	37
28" DIA. BEND	29	30	31	32	33	34	35	36	37	38	39
30" DIA. BEND	31	32	33	34	35	36	37	38	39	40	41
32" DIA. BEND	33	34	35	36	37	38	39	40	41	42	43
34" DIA. BEND	35	36	37	38	39	40	41	42	43	44	45
36" DIA. BEND	37	38	39	40	41	42	43	44	45	46	47
38" DIA. BEND	39	40	41	42	43	44	45	46	47	48	49
40" DIA. BEND	41	42	43	44	45	46	47	48	49	50	51
42" DIA. BEND	43	44	45	46	47	48	49	50	51	52	53
44" DIA. BEND	45	46	47	48	49	50	51	52	53	54	55
46" DIA. BEND	47	48	49	50	51	52	53	54	55	56	57
48" DIA. BEND	49	50	51	52	53	54	55	56	57	58	59
50" DIA. BEND	51	52	53	54	55	56	57	58	59	60	61
52" DIA. BEND	53	54	55	56	57	58	59	60	61	62	63
54" DIA. BEND	55	56	57	58	59	60	61	62	63	64	65
56" DIA. BEND	57	58	59	60	61	62	63	64	65	66	67
58" DIA. BEND	59	60	61	62	63	64	65	66	67	68	69
60" DIA. BEND	61	62	63	64	65	66	67	68	69	70	71
62" DIA. BEND	63	64	65	66	67	68	69	70	71	72	73
64" DIA. BEND	65	66	67	68	69	70	71	72	73	74	75
66" DIA. BEND	67	68	69	70	71	72	73	74	75	76	77
68" DIA. BEND	69	70	71	72	73	74	75	76	77	78	79
70" DIA. BEND	71	72	73	74	75	76	77	78	79	80	81
72" DIA. BEND	73	74	75	76	77	78	79	80	81	82	83
74" DIA. BEND	75	76	77	78	79	80	81	82	83	84	85
76" DIA. BEND	77	78	79	80	81	82	83	84	85	86	87
78" DIA. BEND	79	80	81	82	83	84	85	86	87	88	89
80" DIA. BEND	81	82	83	84	85	86	87	88	89	90	91
82" DIA. BEND	83	84	85	86	87	88	89	90	91	92	93
84" DIA. BEND	85	86	87	88	89	90	91	92	93	94	95
86" DIA. BEND	87	88	89	90	91	92	93	94	95	96	97
88" DIA. BEND	89	90	91	92	93	94	95	96	97	98	99
90" DIA. BEND	91	92	93	94	95	96	97	98	99	100	101
92" DIA. BEND	93	94	95	96	97	98	99	100	101	102	103
94" DIA. BEND	95	96	97	98	99	100	101	102	103	104	105
96" DIA. BEND	97	98	99	100	101	102	103	104	105	106	107
98" DIA. BEND	99	100	101	102	103	104	105	106	107	108	109
100" DIA. BEND	101	102	103	104	105	106	107	108	109	110	111
102" DIA. BEND	103	104	105	106	107	108	109	110	111	112	113
104" DIA. BEND	105	106	107	108	109	110	111	112	113	114	115
106" DIA. BEND	107	108	109	110	111	112	113	114	115	116	117
108" DIA. BEND	109	110	111	112	113	114	115	116	117	118	119
110" DIA. BEND	111	112	113	114	115	116	117	118	119	120	121
112" DIA. BEND	113	114	115	116	117	118	119	120	121	122	123
114" DIA. BEND	115	116	117	118	119	120	121	122	123	124	125
116" DIA. BEND	117	118	119	120	121	122	123	124	125	126	127
118" DIA. BEND	119	120	121	122	123	124	125	126	127	128	129
120" DIA. BEND	121	122	123	124	125	126	127	128	129	130	131
122" DIA. BEND	123	124	125	126	127	128	129	130	131	132	133
124" DIA. BEND	125	126	127	128	129	130	131	132	133	134	135
126" DIA. BEND	127	128	129	130	131	132	133	134	135	136	137
128" DIA. BEND	129	130	131	132	133	134	135	136	137	138	139
130" DIA. BEND	131	132	133	134	135	136	137	138	139	140	141
132" DIA. BEND	133	134	135	136	137	138	139	140	141	142	143
134" DIA. BEND	135	136	137	138	139	140	141	142	143	144	145
136" DIA. BEND	137	138	139	140	141	142	143	144	145	146	147
138" DIA. BEND	139	140	141	142	143	144	145	146	147	148	149
140" DIA. BEND	141	142	143	144	145	146	147	148	149	150	151
142" DIA. BEND	143	144	145	146	147	148	149	150	151	152	153
144" DIA. BEND	145	146	147	148	149	150	151	152	153	154	155
146" DIA. BEND	147	148	149	150	151	152	153	154	155	156	157
148" DIA. BEND	149	150	151	152	153	154	155	156	157	158	159
150" DIA. BEND	151	152	153	154	155	156	157	158	159	160	161
152" DIA. BEND	153	154	155	156	157	158	159	160	161	162	163
154" DIA. BEND	155	156	157	158	159	160	161	162	163	164	165
156" DIA. BEND	157	158	159	160	161	162	163	164	165	166	167
158" DIA. BEND	159	160	161	162	163	164	165	166	167	168	169
160" DIA. BEND	161	162	163	164	165	166	167	168	169	170	171
162" DIA. BEND	163	164	165	166	167	168	169	170	171	172	173
164" DIA. BEND	165	166	167	168	169	170	171	172	173	174	175
166" DIA. BEND	167	168	169	170	171	172	173	174	175	176	177
168" DIA. BEND	169	170	171	172	173	174	175	176	177	178	179
170" DIA. BEND	171	172	173	174	175	176	177	178	179	180	181
172" DIA. BEND	173	174	175	176	177	178	179	180	181	182	183
174" DIA. BEND	175	176	177	178	179	180	181	182	183	184	185
176" DIA. BEND	177	178	179	180	181	182	183	184	185	186	187
178" DIA. BEND	179	180	181	182	183	184	185	186	187	188	189
180" DIA. BEND	181	182	183	184	185	186	187	188	189	190	191
182" DIA. BEND	183	184	185	186	187	188	189	190	191	192	193
184" DIA. BEND	185	186	187	188	189	190	191	192	193	194	195
186" DIA. BEND	187	188	189	190	191	192	193	194	195	196	197
188" DIA. BEND	189	190	191	192	193	194	195	196	197	198	199
190" DIA. BEND	191	192	193	194	195	196	197	198	199	200	201
192" DIA. BEND	193	194	195	196	197	198	199	200	201	202	203
194" DIA. BEND	195	196	197	198	199	200	201	202	203	204	205
196" DIA. BEND	197	198	199	200	201	202	203	204	205	206	207
198" DIA. BEND	199	200	201	202	203	204	205	206	207	208	209
200" DIA. BEND	201	202	203	204	205	206	207	208	209	210	211
202" DIA. BEND	203	204	205	206	207	208	209	210	211	212	213
204" DIA. BEND	205	206	207	208	209	210	211	212	213	214	215
206" DIA. BEND	207	208	209	210	211	212	213	214	215	216	217
208" DIA. BEND	209	210	211	212	213	214	215	216	217	218	219
210" DIA. BEND	211	212	213	214	215	216	217	218	219	220	221
212" DIA. BEND	213	214	215	216	217	218	219	220	221	222	223
214" DIA. BEND	215	216	217	218	219	220	221	222	223	224	225
216" DIA. BEND	217	218	219	220	221	222	223	224	225	226	227
218" DIA. BEND	219	220	221	222	223	224	225	226	227	228	229
220" DIA. BEND	221	222	223	224	225	226	227	228	229	230	231
222" DIA. BEND	223	224	225	226	227	228	229	230	231	232	233
224" DIA. BEND	225	226	227	228	229	230	231	232	233	234	235
226" DIA. BEND	227	228	229	230	231	232	233	234	235	236	237
228" DIA. BEND	229	230	231	232	233	234	235	236	237	238	239
230" DIA. BEND	231	232	233	234	235	236	237	238	239	240	241
232" DIA. BEND	233	234	235	236	237	238	239	240	241	242	243
234" DIA. BEND	235	236	237	238	239	240	241	242	243	244	245
236" DIA. BEND	23										