

FDEP Submittal

2019 Post Hurricane Dorian Monitoring Survey

Onshore/Offshore Profiles

Broward County R-25 through R-128

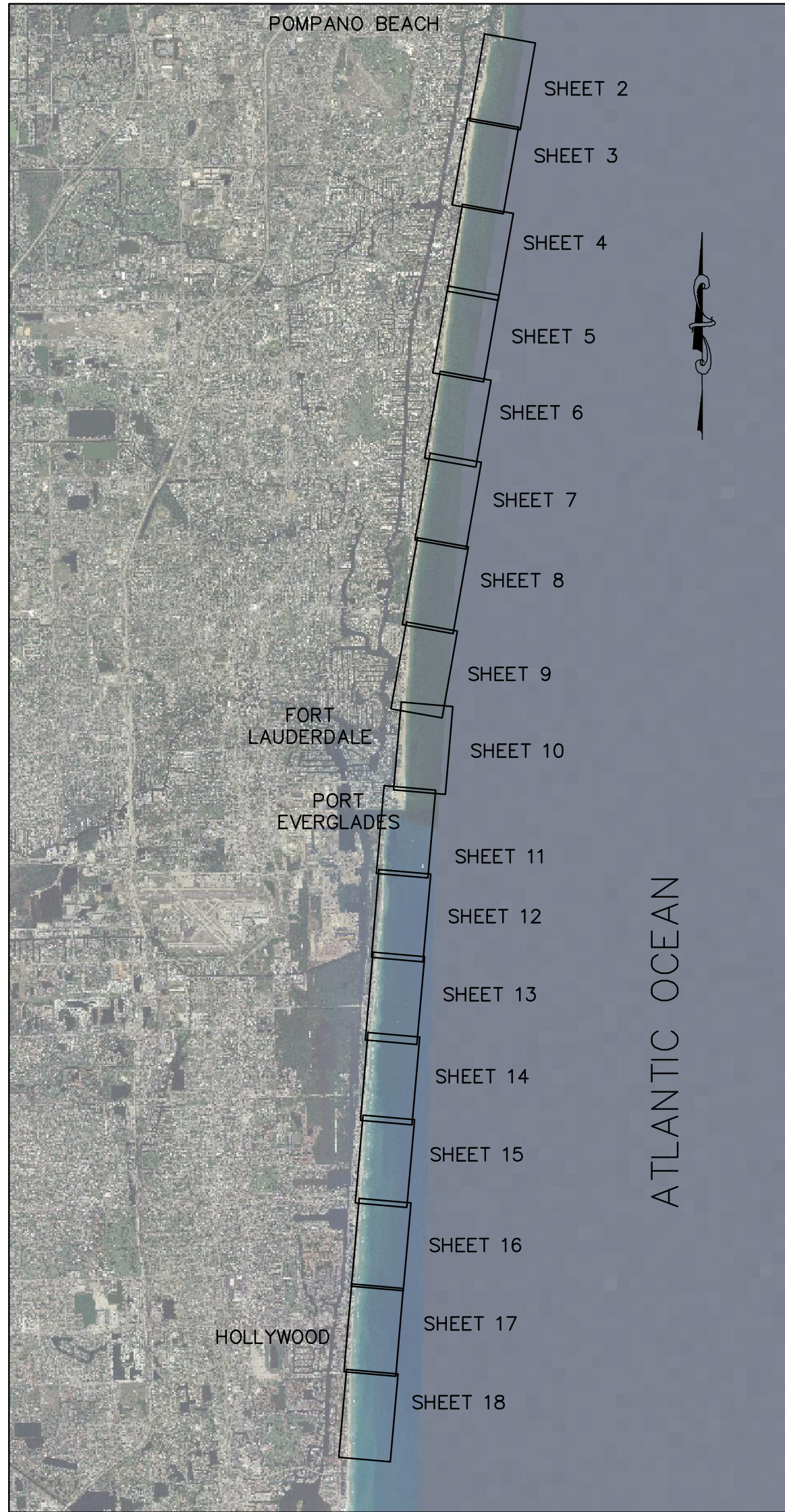
And Dade County R-2 through R-5

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Section 1

Survey Drawings



LOCATION MAP
1" INCH = 10,000 FEET

TOPOGRAPHIC & HYDROGRAPHIC SURVEY

BROWARD COUNTY POST-DORIAN BEACH MONITORING

BROWARD COUNTY R-25 THROUGH DADE R-5

-FOR-

OLSEN ASSOCIATES, INC.

NOVEMBER 7, 2019
COMMISSION NUMBER: 35657-2

PREPARED BY:

Morgan & Eklund Inc.

PROFESSIONAL SURVEY CONSULTANTS



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MIAMI, FL 33132
PHONE: (305) 364-5158



SHEET INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
2 - 18	ELEVATION DATA
19 - 51	PROFILES

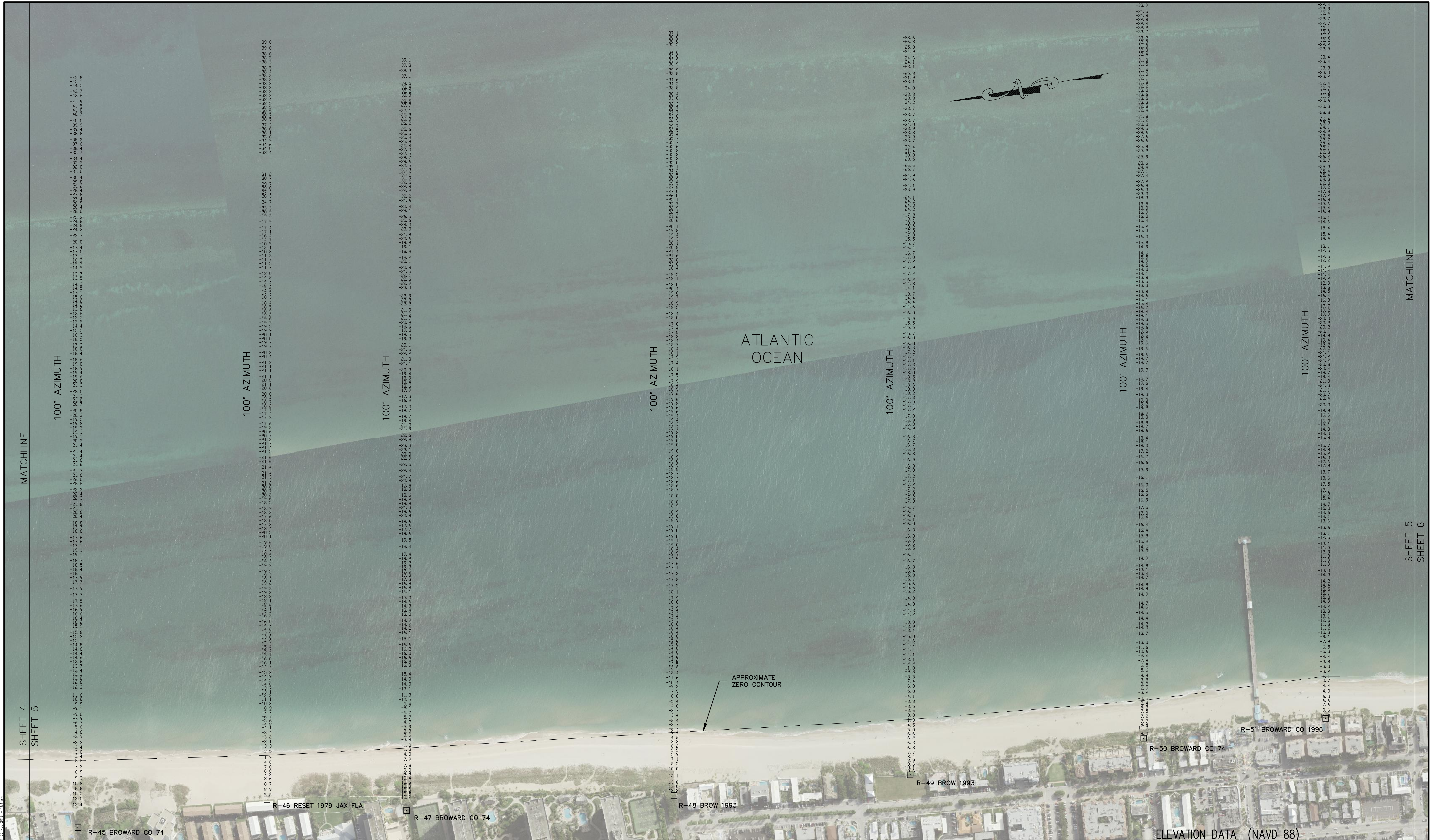
CONTROL TABULATION

FDEP GIVEN CONTROL	NAD 83/90	SPCS 0901	NORTH	NAVD 88	US SURVEY FEET	FDEP GIVEN CONTROL	NAD 83/90	SPCS 0901	NORTH	NAVD 88	US SURVEY FEET
MON ID	M. DATE	NORTHING	EASTING	AZIMUTH	M. ELEV.	MON ID	M. DATE	NORTHING	EASTING	AZIMUTH	M. ELEV.
R-025	FEB1974	700560.06	956907.33	163°	8.42	R-084	FEB1975	641935.19	949602.30	90°	7.65
R-026	JUN1993	699806.36	956396.65	100°	5.48	R-084.3	-----	641674.13	949616.41	90°	-----
R-027	FEB1974	699811.28	956212.93	100°	7.70	R-084.7	-----	641320.90	949771.21	90°	-----
R-028	FEB1974	697775.61	955727.64	100°	8.39	R-085	FEB1974	641502.82	948960.91	140°	7.49
R-029	FEB1974	696944.93	955799.42	100°	9.43	R-085.7	-----	640252.80	948958.70	94°	-----
R-030	FEB1974	695954.55	955570.20	100°	11.42	R-086	FEB1974	640143.73	948820.87	94°	8.36
R-031	FEB1974	695014.44	955333.31	100°	13.34	R-086.3	-----	639870.89	948625.87	94°	-----
R-032	FEB1974	693840.74	955007.93	100°	12.18	R-086.5	-----	639702.37	948505.43	94°	-----
T-033	DCT1976	693066.06	954881.40	100°	11.61	R-086.7	-----	639464.73	948472.87	94°	-----
R-034	FEB1974	692030.87	954716.39	100°	11.70	R-087	JUN1993	639264.76	948244.55	94°	10.21
R-035	FEB1975	691021.54	954636.41	100°	10.60	R-087.2	-----	638971.87	948422.71	94°	-----
R-036	FEB1974	689877.00	954584.86	100°	10.97	R-087.5	-----	638754.17	948408.58	94°	-----
R-037	AVS1983	689908.91	954533.70	100°	10.76	R-087.7	-----	638512.54	948277.93	94°	-----
R-038	FEB1974	688046.92	954533.45	100°	10.35	T-088	JUN1993	638270.61	948146.63	94°	5.59
R-039	COE1979	687092.65	954480.17	100°	8.31	R-088.2	-----	637998.43	948240.06	94°	-----
R-040	AVS1983	686062.05	954256.41	100°	10.64	R-088.5	-----	637725.16	948333.86	94°	-----
R-041	FEB1974	685179.24	954159.51	100°	12.11	T-089	DCT1976	637228.18	948179.65	94°	3.66
T-042	DCT1976	684192.89	954009.89	100°	9.76	R-089.5	-----	636703.79	948201.91	94°	-----
R-043	FEB1974	683180.23	953807.57	100°	8.83	T-090	DCT1976	636251.49	948150.43	94°	4.34
R-044	AVS1983	682367.17	953652.96	100°	11.79	R-090.5	-----	635732.59	948245.34	94°	-----
R-045	FEB1974	681216.86	953413.50	100°	9.44	T-091	DCT1976	635229.24	948176.27	94°	6.98
R-046	COE1979	680304.28	953368.19	100°	7.06	R-091.5	-----	634704.55	948070.84	94°	-----
R-047	FEB1974	679637.61	953221.49	100°	10.98	R-092	FEB1974	634194.55	948139.82	94°	6.65
R-048	MAR1993	678388.23	953070.34	100°	10.92	R-092.5	-----	633673.54	948200.18	94°	-----
R-049	MAR1993	677260.43	952972.07	100°	9.09	R-093	FEB1974	633158.94	948026.91	94°	6.06
R-050	FEB1974	676133.90	952949.58	100°	10.48	R-094	FEB1974	632194.92	947945.80	94°	8.02
R-051	DEP1996	675262.25	952892.18	100°	10.02	R-095	FEB1974	631243.86	947858.61	92°	7.90
T-052	DCT1976	674202.76	952717.37	100°	8.29	R-096	FEB1974	630255.39	947832.78	92°	7.62
R-053	FEB1974	673343.54	952654.57	100°	9.06	T-097	DCT1976	629304.02	947681.19	92°	6.63
R-054	FEB1974	672252.19	952558.47	100°	9.50	R-098	JAN1993	628227.34	947706.96	100°	8.21
R-055	FEB1974	671251.59	952420.30	100°	11.11	R-099	JAN1993	627278.34	947751.54	100°	5.22
R-056	FEB1974	670330.90	952245.20	90°	11.42	R-100	FEB1974	626288.05	947679.08	100°	6.09
R-057	FEB1974	669349.13	952119.67	90°	10.92	R-101	CPE1991	625146.19	947568.10	95°	8.35
R-058	DEP1996	668216.21	952018.18	95°	11.67	T-102	DCT1976	624152.00	947410.23	95°	8.35
R-059	FEB1993	667325.03	951973.93	100°	9.13	R-103	FEB1974	623137.76	947279.73	95°	8.67
R-060	FEB1974	666339.29	951818.49	105°	13.68	R-104	FEB1974	622113.68	947184.88	95°	8.51
R-061	DEP1992	665361.02	951633.78	95°	10.29	R-105	NOV1985	621126.66	947101.17	95°	9.19
R-062	FEB1974	664340.60	951389.38	105°	9.73	R-106	FEB1974	620134.01	947069.52	95°	7.71
R-063	SSC1998	663546.19	951370.17	100°	8.03	R-107	FEB1974	619165.99	946989.61	95°	8.17
R-064	DEP1998	662333.18	951222.17	100°	8.82	R-108	FEB1974	618139.58	946957.08	95°	8.45
R-065	SSC1997	661391.18	951086.17	100°	5.77	R-109	JUN1993	617100.93	946892.75	95°	7.77
R-066	SSC1997	660411.17	950953.17	100°	5.42	R-110	FEB1974	616034.13	946828.38	95°	7.56
R-067	SSC1997	659430.17	950798.17	100°	5.81	T-111	DCT1976	615040.41	946779.88	95°	7.78
R-068	DCT1992	658374.64	950546.68	100°	10.98	T-112	DCT1976	614013.01	946730.33	95°	5.83
T-069	DCT1976	657395.91	950459.47	100°	10.51	R-113	JUN1993	613081.90	946708.70	95°	5.62
R-070	SSC1997	656481.15	950460.17	100°	5.94	T-114	DCT1976	612110.91	946635.31	95°	6.37
R-071	JAN1993	655346.21	950336.85	100°	6.77	R-115	CPE1992	611059.81	946625.00	95°	6.28
R-072	JAN1993	654440.05	950315.76	95°	6.70	R-116	SSC1996	610055.90	946561.14	95°	6.18
R-073	JAN1993	653289.58	950214.69	95°	7.22	R-117	CPE1991	609066.25	946441.43	95°	7.31
R-074	JAN1993	652407.49	950036.76	100°	10.15	R-118	JUN1993	607985.22	946368.23	95°	7.21
R-075	JAN1993	651308.91	950101.31	100°	9.87	R-119	FEB1974	606982.25	946382.00	95°	7.57
R-076	JAN1993	650345.29	949992.36	100°	9.81	R-120	APR1980	605867.57	946307.93	95°	8.79
R-077	JAN1993	649163.14	949936.98	100°	9.84	R-121	FEB1974	604782.47	946274.09	95°	6.81
R-078	FEB1975	648132.29	949927.83	100°	12.14	R-122	FEB1974	603784.49	946211.88	95°	8.69
T-079	SSC1998	647083.10	949738.16	100°	13.34	R-123	FEB1974	602768.51	946132.24	95°	7.32
R-080	MAR1993	645961.94	949773.07	95°	9.95	R-124	CPE1991	601672.84	945912.14	95°	11.19
R-081	MAR1993	644879.95	949776.41	95°	14.28	R-125	SSC1997	600600.04	945729.14	95°	6.35
R-081.3	-----	644532.42	949784.06	90°	-----	R-126	DEP1996	599599.84	945661.14	95°	7.66
R-081.7	-----	644165.64	949690.79	90°	-----	R-127	FEB1974	598574.99	945781.25	95°	7.21
R-082	FEB1974	643844.07	949652.18	90°	8.48	R-128	-----	597641.63	945749.61	95°	7.95
R-082.3	-----	643508.03	949643.62	90°	-----	R-2	DCT1974	596602.09	945772.70	95°	7.44
R-082.7	-----	643161.43	949656.89	90°	-----	R-3	DCT1974	595501.05	945700.93	95°	14.93
R-083	FEB1974	642824.95	949541.75	90°	9.15	R-4	DEC1991	594436.43	945582.99	95°	11.36
R-083.3	-----	642524.68	949359.40	90°	-----	T-5	AUG1978	593357.48	945615.86	95°	11.79
R-083.7	-----	642231.75	949360.66	90°	-----						

LEGEND

□ STATION 0+00

FIELD BOOKS: BROWARD 25, PAGES 26-90
BROWARD 26, PAGES 34-75
BROWARD 27, PAGES 1-61
BROWARD 66, PAGES 25-71
BROWARD 61, PAGES 1-10



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0 200' 400'
HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

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LB #4298

CERTIFICATE OF SURVEYOR - I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS IN ACCORDANCE WITH A RECENT FIELD SURVEY MADE UNDER MY DIRECTION, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 35-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

ELEVATION DATA (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

DRAWN BY
LFP/CAG

CHECKED BY
JRM

FIELD BOOK
PAGE NO. SEE
COVER

DATE OF SURVEY
11/7/19

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/19/19

SHEET 5 OF 51

SHEET 5
SHEET 6

MATCHLINE

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SHEET 5
SHEET 6

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HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

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R-57 BROWARD CO 74

ELEVATION DATA (NAVD 88)

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BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
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SHEET 6 OF 51



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JOHN R. MORGAN II, PLS
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STATE OF FLORIDA

ATLANTIC OCEAN

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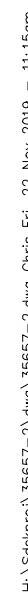
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LB #4298

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PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

DRAWN BY
LFP/CAC

CHECKED BY
JRM

FIELD BOOK	SEE
PAGE NO.	COVER

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11/7/19

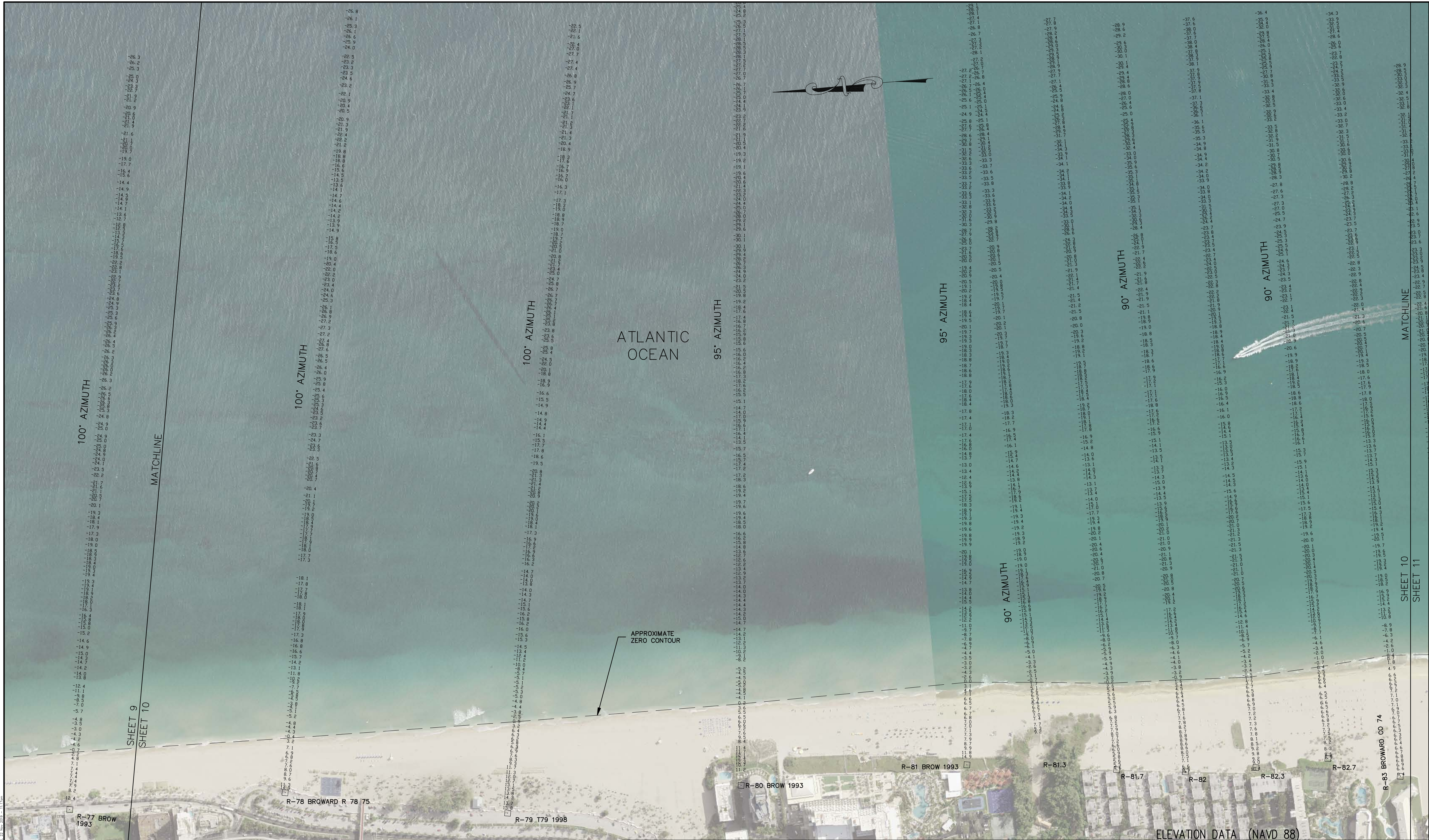
SCALE
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DATE
11/19/19

SHEET 8 OF 51

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0 200' 400'
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SHEET 10 OF 51					

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SHEET 11
SHEET 12

MATCHLINE

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0 200' 400'
HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

Morgan & Eklund Inc.

PROFESSIONAL SURVEY CONSULTANTS

4909 US HIGHWAY #1
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FAX: (772) 388-3165

1612 NW 2ND AVENUE
SUITE 3
BOCA RATON, FL 33432
PHONE: (954) 421-6682
FAX: (954) 421-0425

LB #4298

CERTIFICATE OF SURVEYOR - I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS IN ACCORDANCE WITH A RECENT FIELD SURVEY MADE UNDER MY DIRECTION, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 33-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

DRAWN BY
LFP/CAG

CHECKED BY
JRM

FIELD BOOK
PAGE NO.
SEE
COVER

DATE OF SURVEY
11/7/19

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/19/19

SHEET 13 OF 51

MATCHLINE

SHEET 12
SHEET 13

92° AZIMUTH

100° AZIMUTH

100° AZIMUTH

ATLANTIC
OCEAN

100° AZIMUTH

95° AZIMUTH

95° AZIMUTH

MATCHLINE

SHEET 13
SHEET 14

R-97 BRO T 97 76

R-98 BROW 1993

R-99 BROW 1993

R-100 BROWARD CO 74

R-101 CPE T 101 91

R-102 BRO T 102 76

ELEVATION DATA (NAVD 88)

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0 200' 400'
HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

Morgan & Eklund Inc.

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LB #4298

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JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

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JRM

FIELD BOOK
PAGE NO. COVER

DATE OF SURVEY
11/7/19

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/19/19

SHEET 14 OF 51

SHEET 13
SHEET 14

MATCHLINE

95° AZIMUTH

R-103 BROWARD CO 74

95° AZIMUTH

R-104 BROWARD CO 74

95° AZIMUTH

R-105 BROWARD CO RESET 00

ATLANTIC OCEAN

APPROXIMATE
ZERO CONTOUR

95° AZIMUTH

R-106 BROWARD CO 74

95° AZIMUTH

R-107 BROWARD CO 74

95° AZIMUTH

R-108 BROWARD CO 74

ELEVATION DATA (NAVD 88)

MATCHLINE

SHEET 14
SHEET 15

95° AZIMUTH

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SHEET 14
SHEET 15

MATCHLINE

95° AZIMUTH

95° AZIMUTH

95° AZIMUTH

95° AZIMUTH

95° AZIMUTH

95° AZIMUTH

95° AZIMUTH

MATCHLINE

ATLANTIC
OCEAN

APPROXIMATE
ZERO CONTOUR

0 200' 400'
HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

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LB #4298

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JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

ELEVATION DATA (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

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DATE OF SURVEY
11/7/19

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/19/19

SHEET 15 OF 51

SHEET 15
SHEET 16

R-115 C.P.E.
115.0 1+10

R-114 BRO T 114 76

R-113 BRO 1993

R-112 BRO T 112 76

R-111 BRO T 111 76

R-110 BROWARD CO 74

R-109 BRO 1993

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0 200' 400'
HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

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FAX: (954) 421-0425

LB #4298

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JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

ELEVATION DATA (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

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COMMISSION NO. 35657-2
SCALE 1" = 200'
DATE 11/19/19
SHEET 16 OF 51

MATCHLINE

SHEET 16
SHEET 17

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SHEET 16
SHEET 17

MATCHLINE

95° AZIMUTH

R-122 BROWARD CO 74

95° AZIMUTH

R-123 BROWARD CO 74

95° AZIMUTH

R-124 C.P.E. R124 0+0

95° AZIMUTH

R-125 BROWARD CO RESET 1997

95° AZIMUTH

R-126 BROWARD CO RESET 1996

95° AZIMUTH

R-127 BROWARD CO 74

SHEET 17
SHEET 18

MATCHLINE

0 200' 400'
HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

Morgan & Eklund Inc.

PROFESSIONAL SURVEY CONSULTANTS

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FAX: (954) 421-0425

LB #4298



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

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JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

DRAWN BY
LFP/CAG

CHECKED BY
JRM

FIELD BOOK
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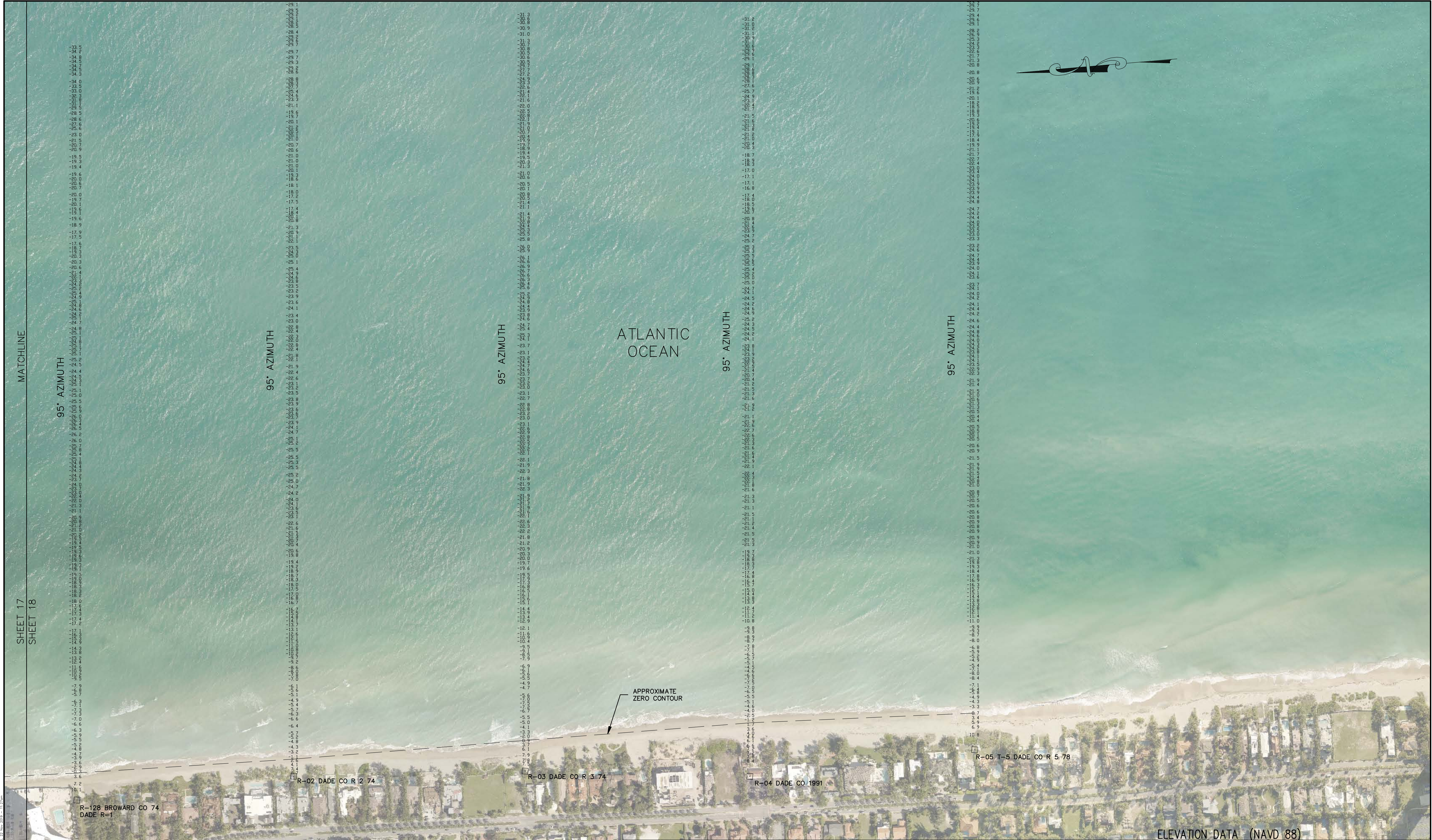
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11/7/19

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/19/19

SHEET 17 OF 51



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HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

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LB #4298

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JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

ELEVATION DATA (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

DRAWN BY
LFP/CAG

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JRM

FIELD BOOK
PAGE NO. SEE
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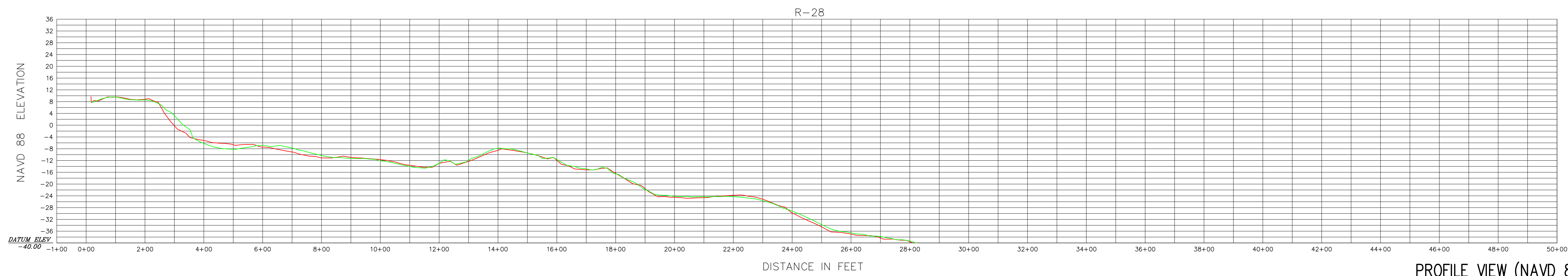
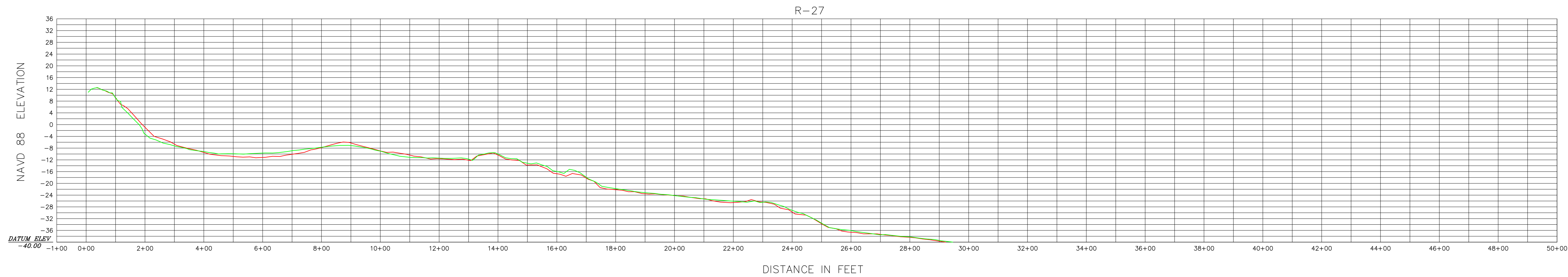
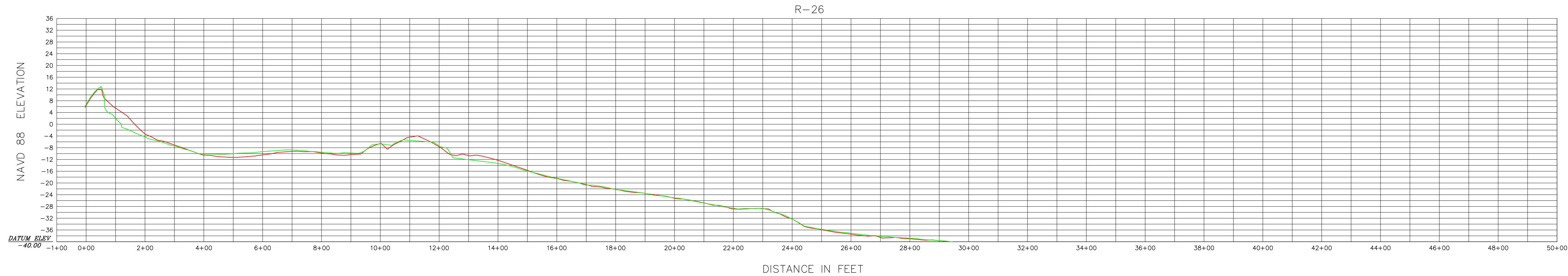
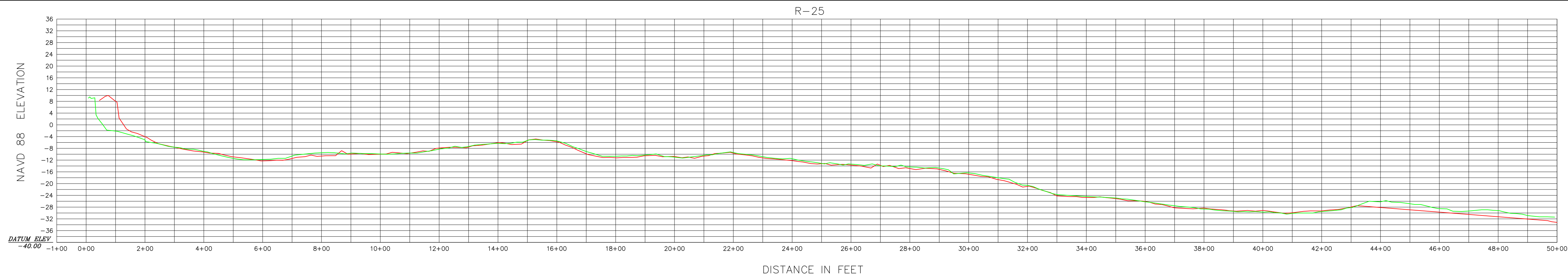
DATE OF SURVEY
11/7/19

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/19/19

SHEET 18 OF 51



HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

VERTICAL SCALE 1" = 20'
INTENDED DISPLAY SCALE

LEGEND
— NOVEMBER 2017
— NOVEMBER 2019



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

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SUITE 3
BOCA RATON, FL 33432
PHONE: (954) 421-6682
FAX: (954) 421-0425

LB #4298

CERTIFICATE OF SURVEYOR - I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS IN ACCORDANCE WITH A RECENT FIELD SURVEY MADE UNDER MY DIRECTION, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 6J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/18/2019

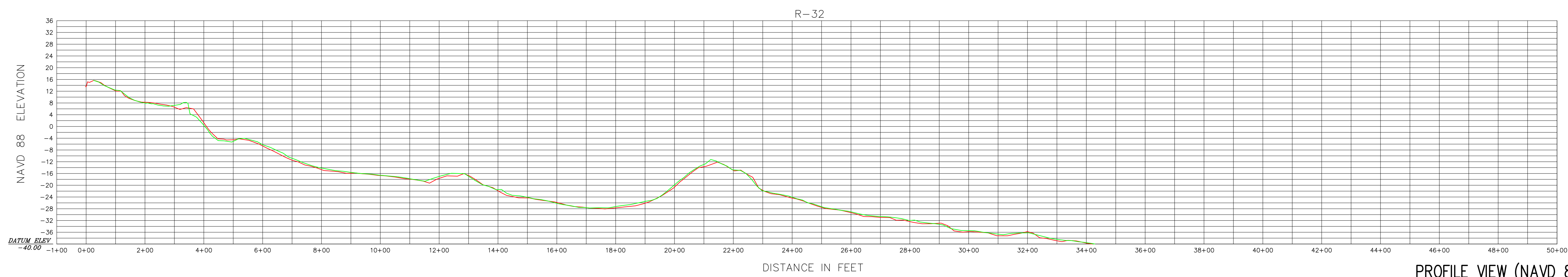
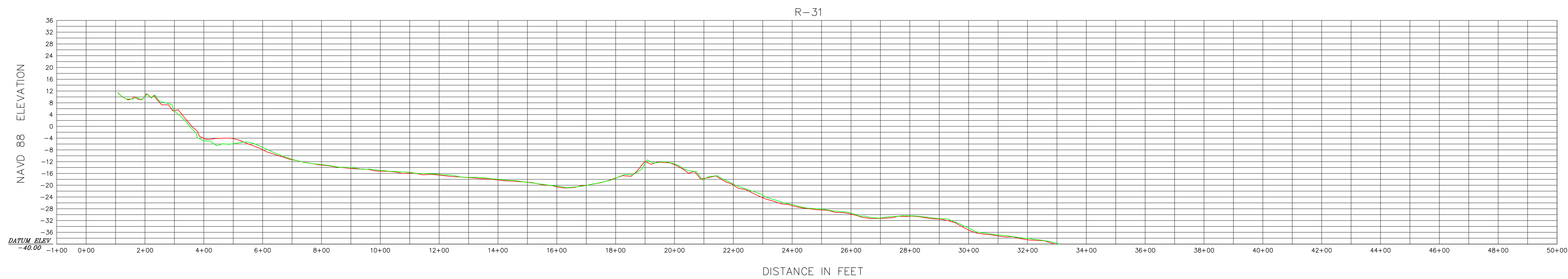
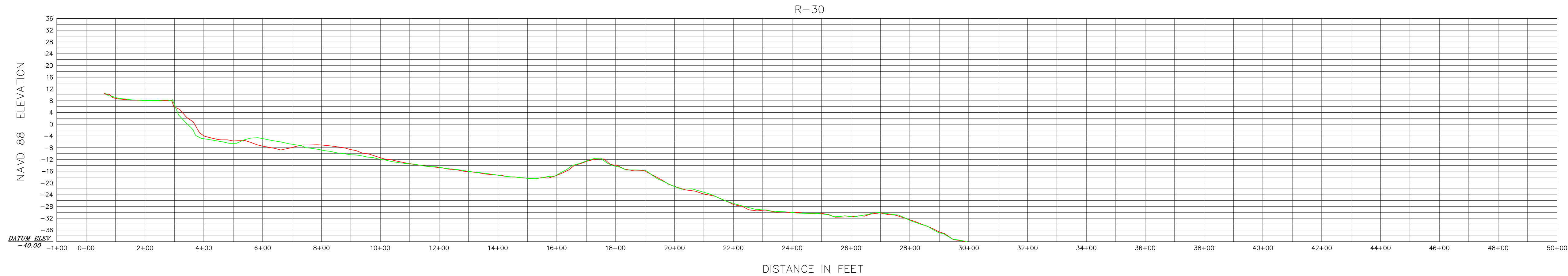
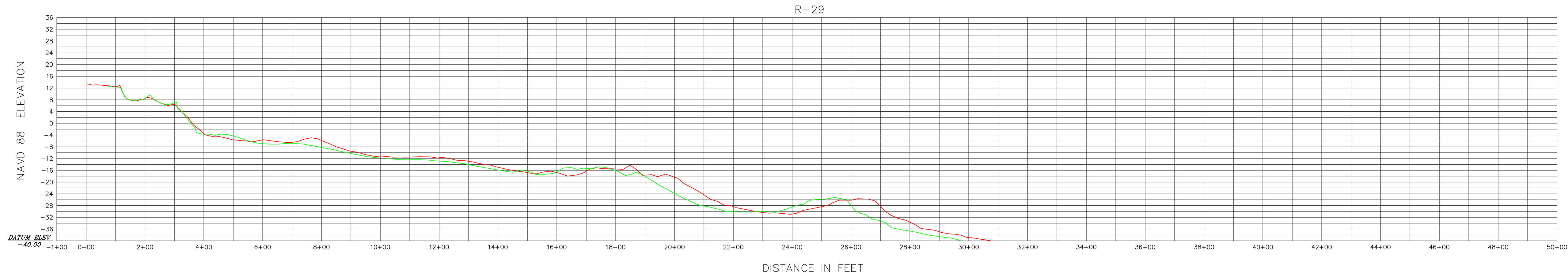
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FIELD BOOK
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DATE OF SURVEY
11/7/2019

SHEET 19 OF 51



HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

VERTICAL SCALE 1" = 20'
INTENDED DISPLAY SCALE

LEGEND

NOVEMBER 2017
NOVEMBER 2019



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

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LB #4298

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JOHN R. MORGAN II, PLS
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STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/18/2019

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CAG

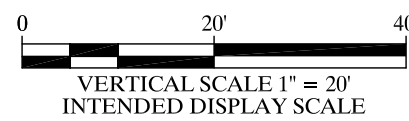
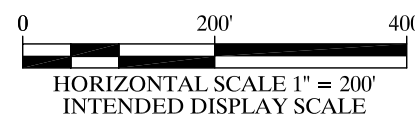
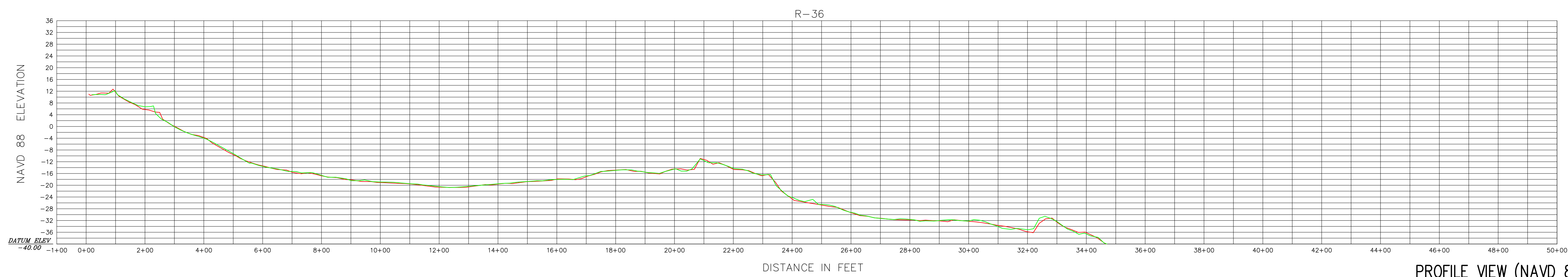
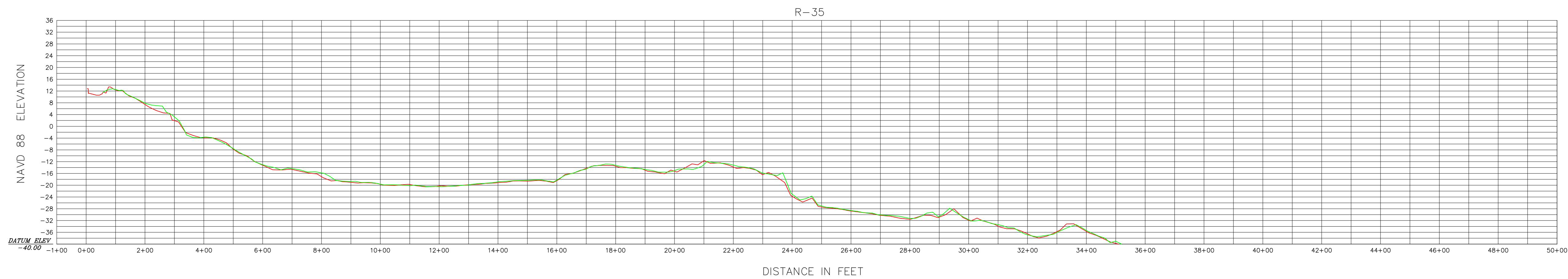
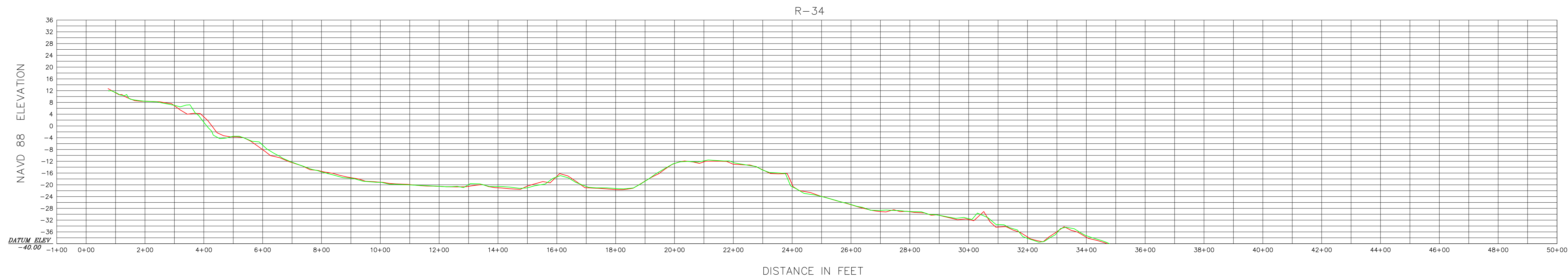
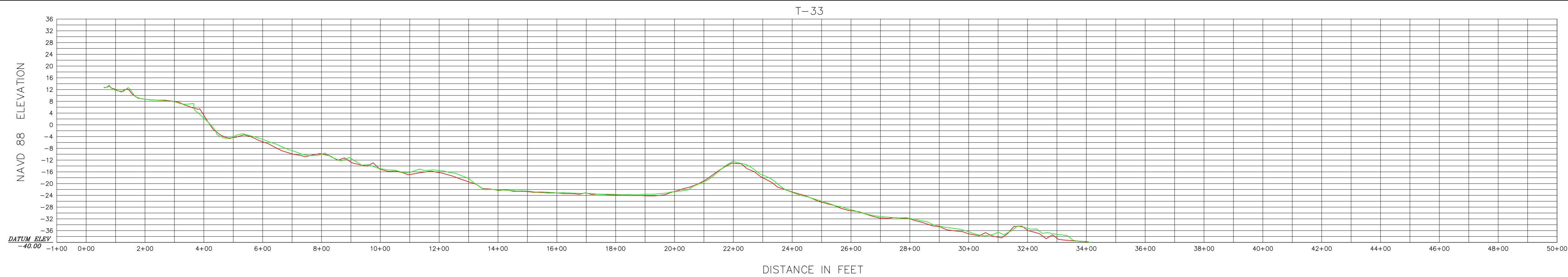
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FIELD BOOK
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11/7/2019

SHEET 20 OF 51



LEGEND

— NOVEMBER 2017
— NOVEMBER 2019



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

Morgan & Eklund Inc.

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LB #4298

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JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/18/2019

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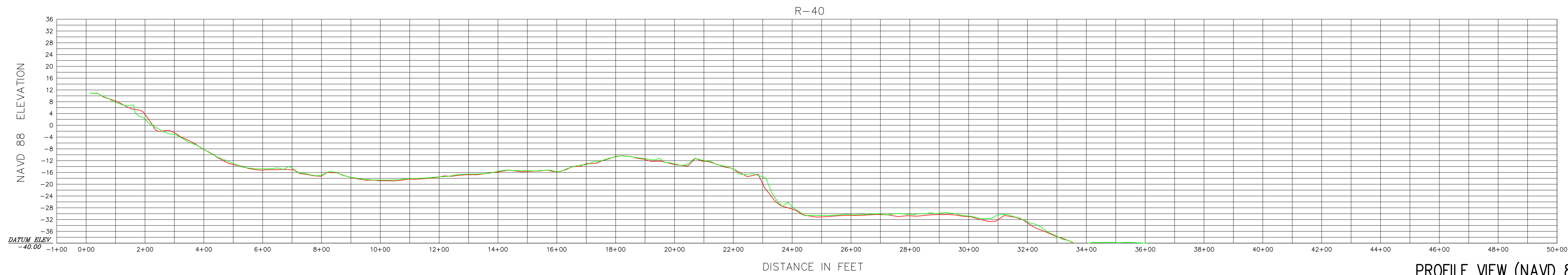
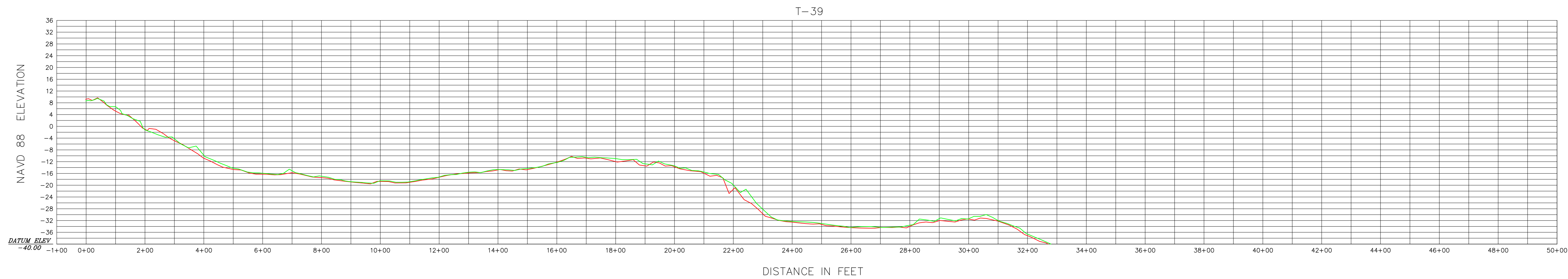
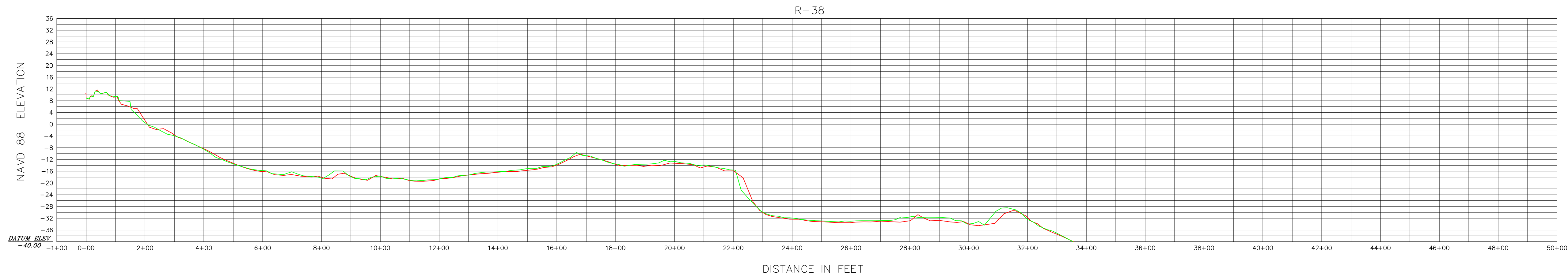
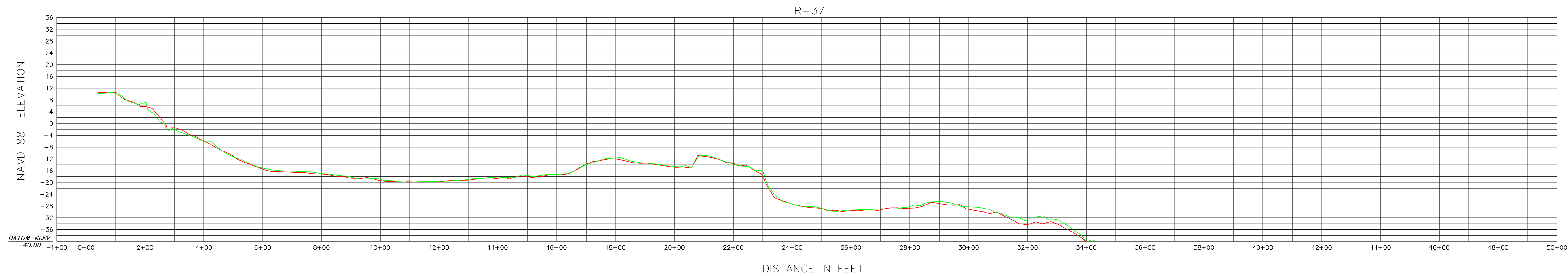
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FIELD BOOK
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DATE OF SURVEY
11/7/2019

SHEET 21 OF 51



0 200' 400'
HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

0 20' 40'
VERTICAL SCALE 1" = 20'
INTENDED DISPLAY SCALE

LEGEND
— NOVEMBER 2017
— NOVEMBER 2019



JOHN R. MORGAN II, PSM
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PHONE: (954) 421-6682
FAX: (954) 421-0425

LB #4298

CERTIFICATE OF SURVEYOR - I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS IN ACCORDANCE WITH A RECENT FIELD SURVEY MADE UNDER MY DIRECTION, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 32-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/18/2019

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CAG

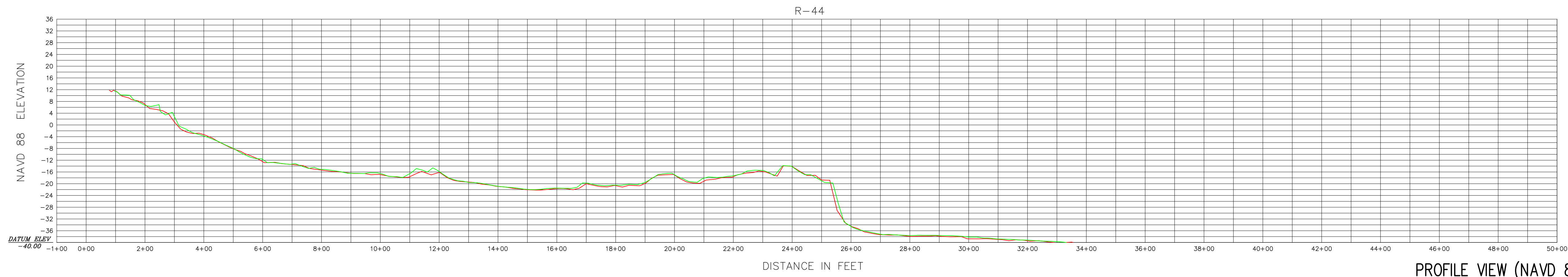
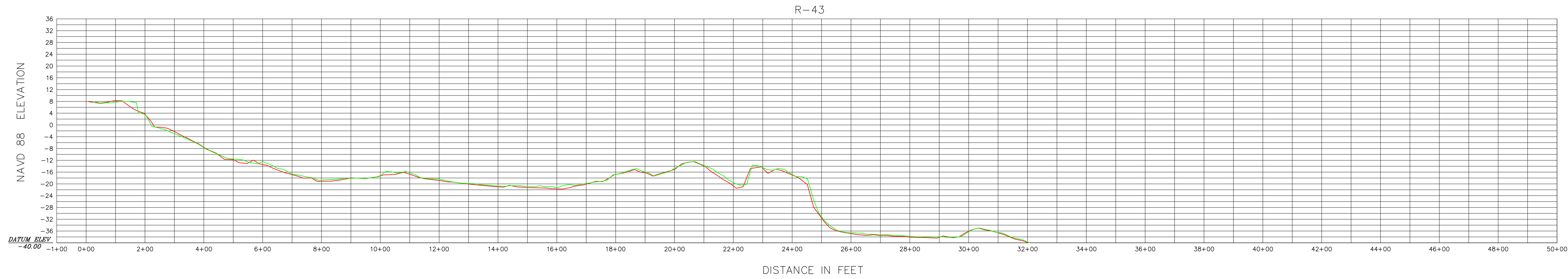
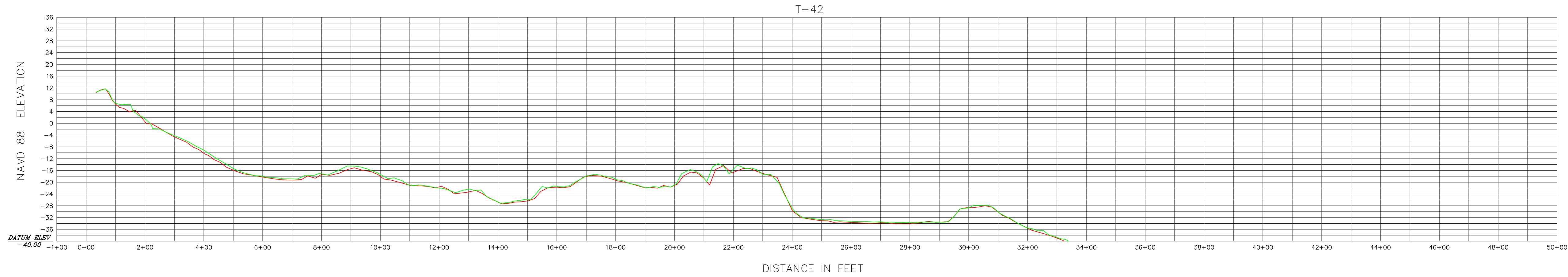
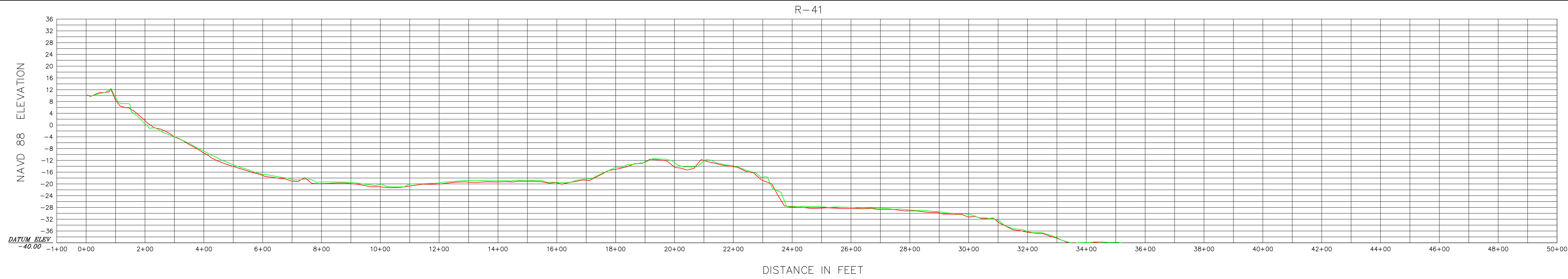
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JRM

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SEE
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DATE OF SURVEY
11/7/2019

SHEET 22 OF 51



0 200' 400'

HORIZONTAL SCALE 1" = 200'

INTENDED DISPLAY SCALE

0 20' 40'

VERTICAL SCALE 1" = 20'

INTENDED DISPLAY SCALE

LEGEND

— NOVEMBER 2017

— NOVEMBER 2019



JOHN R. MORGAN II, PSM

FLORIDA CERTIFICATION #3520

Morgan & Eklund Inc.

PROFESSIONAL SURVEY CONSULTANTS

4909 US HIGHWAY #1

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PHONE: (772) 388-5364

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SUITE 3

BOCA RATON, FL 33432

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FAX: (954) 421-0425

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JOHN R. MORGAN II, PLS

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STATE OF FLORIDA

PROFILE VIEW (NAVD 88)

TOPOGRAPHIC AND HYDROGRAPHIC SURVEY

BROWARD COUNTY POST-DORIAN BEACH MONITORING

BROWARD COUNTY R-25 THROUGH DADE R-5

- FOR -

OLSEN ASSOCIATES, INC.

COMMISSION NO.

35657-2

SCALE

1" = 200'

DATE

11/18/2019

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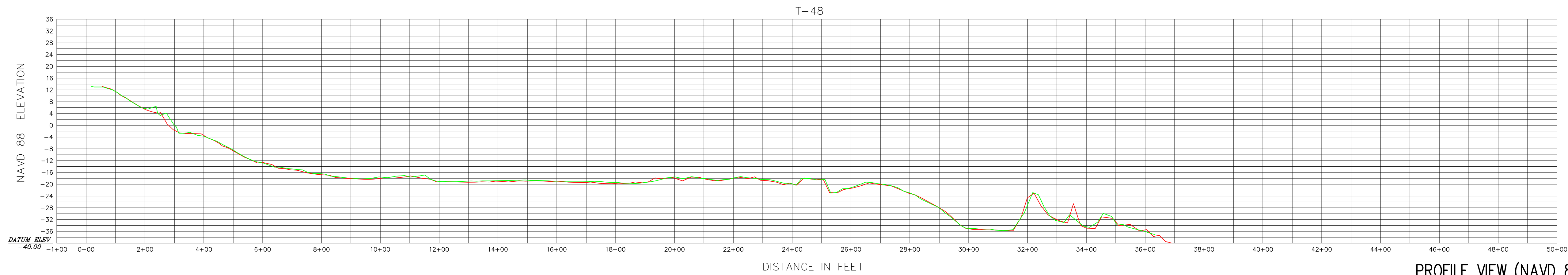
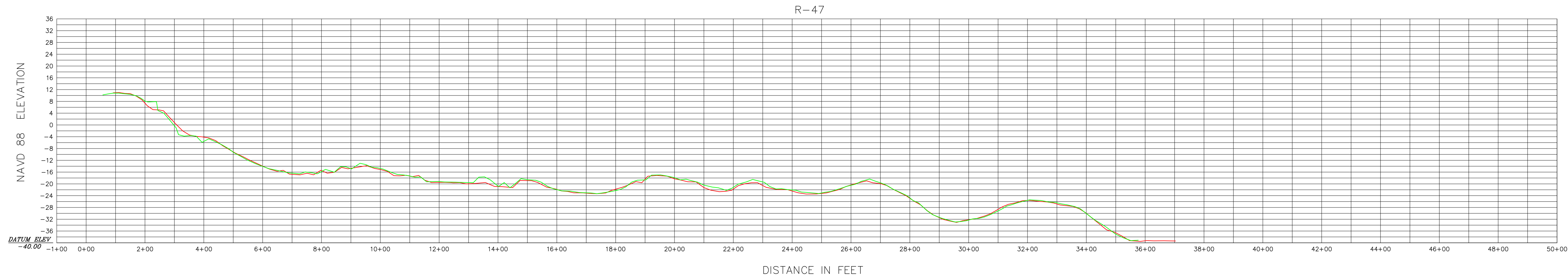
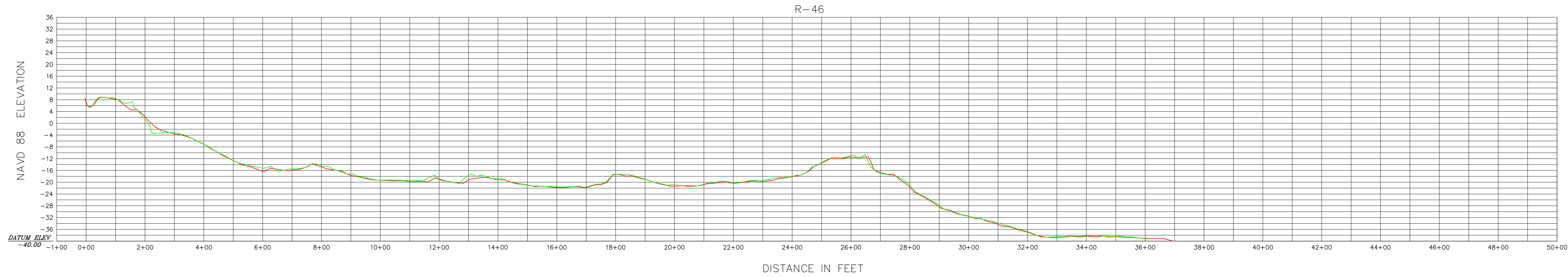
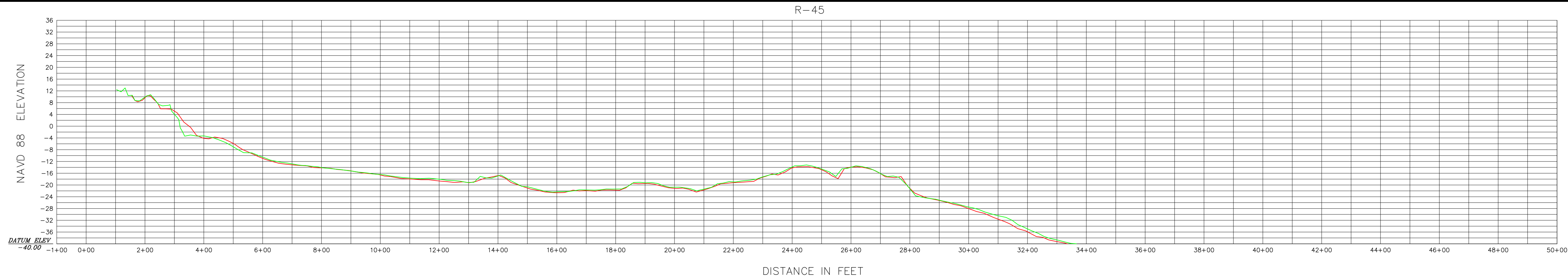
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DATE OF SURVEY

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SHEET 23 OF 51



HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

VERTICAL SCALE 1" = 20'
INTENDED DISPLAY SCALE

LEGEND
— NOVEMBER 2017
— NOVEMBER 2019



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JOHN R. MORGAN II, PLS
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STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
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COMMISSION NO.
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SCALE
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DATE
11/18/2019

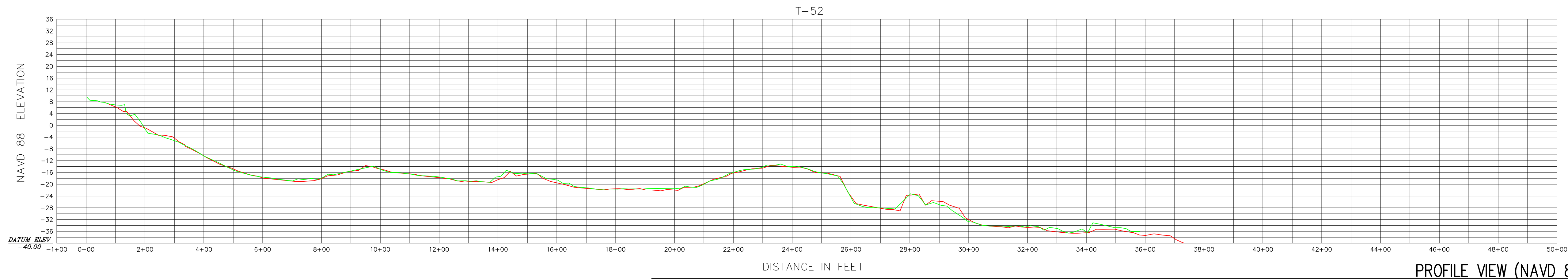
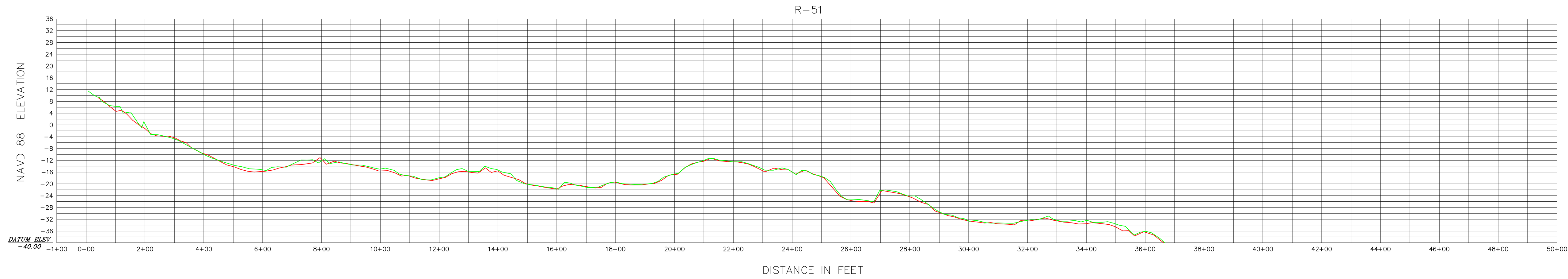
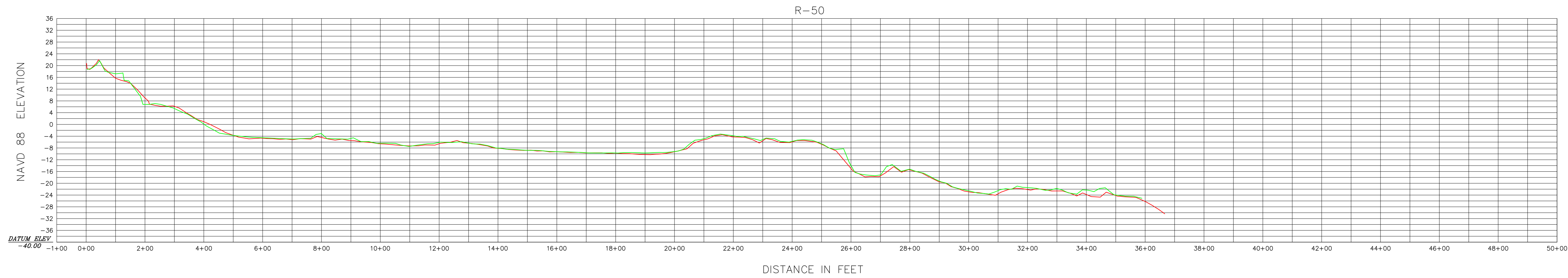
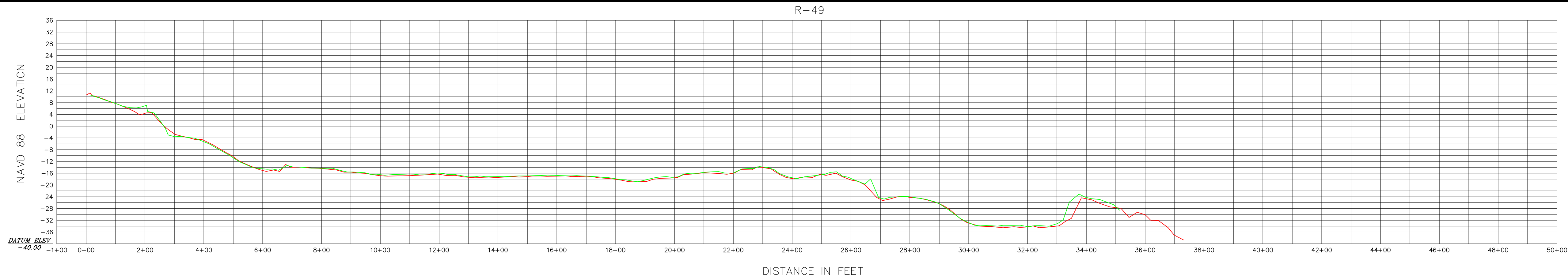
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DATE OF SURVEY
11/7/2019

SHEET 24 OF 51



HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

VERTICAL SCALE 1" = 20'
INTENDED DISPLAY SCALE

LEGEND
— NOVEMBER 2017
— NOVEMBER 2019



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JOHN R. MORGAN II, PLS
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STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

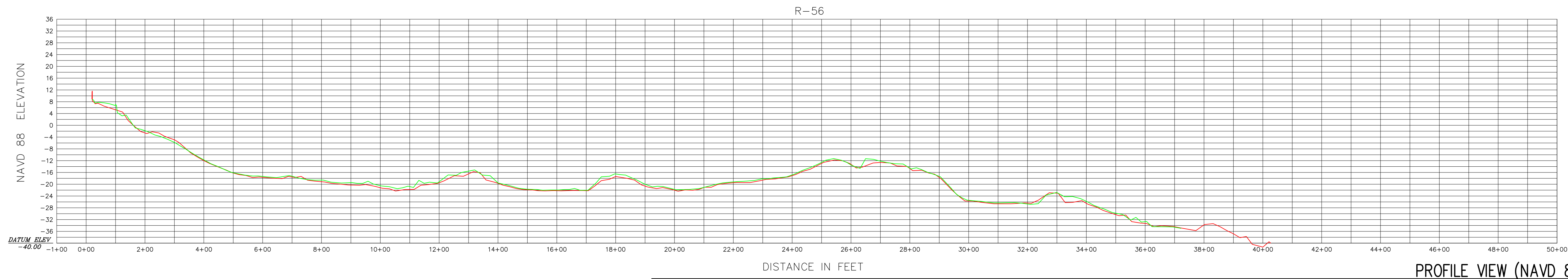
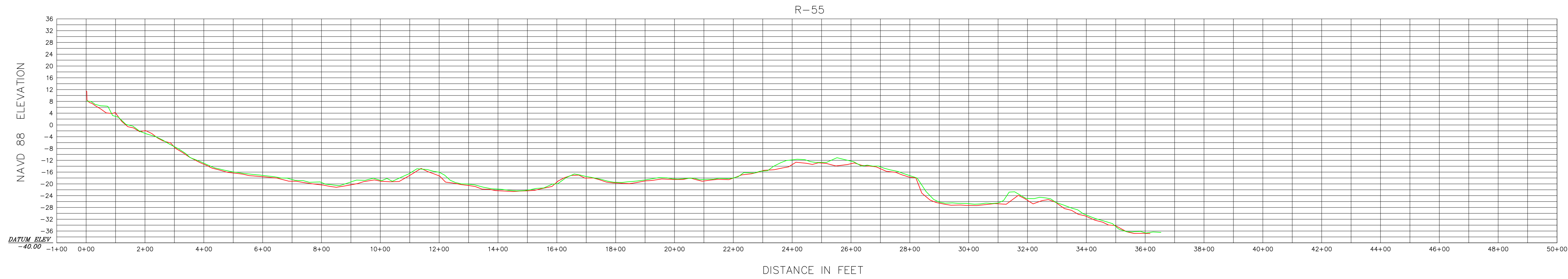
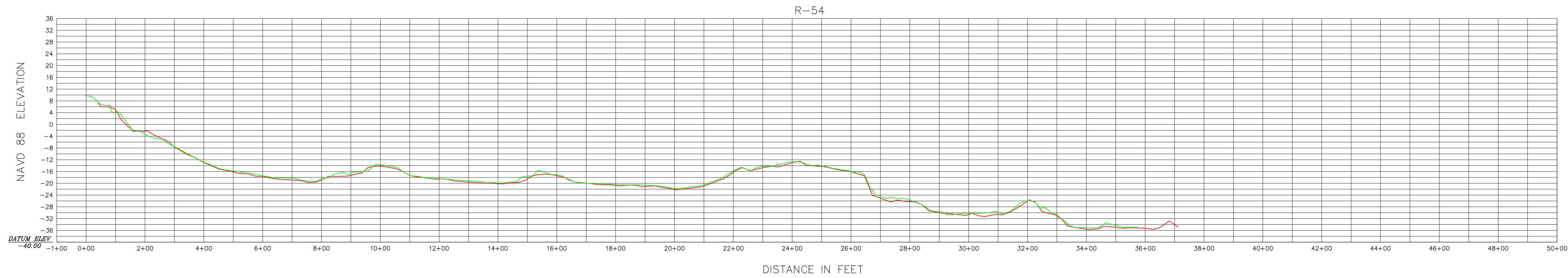
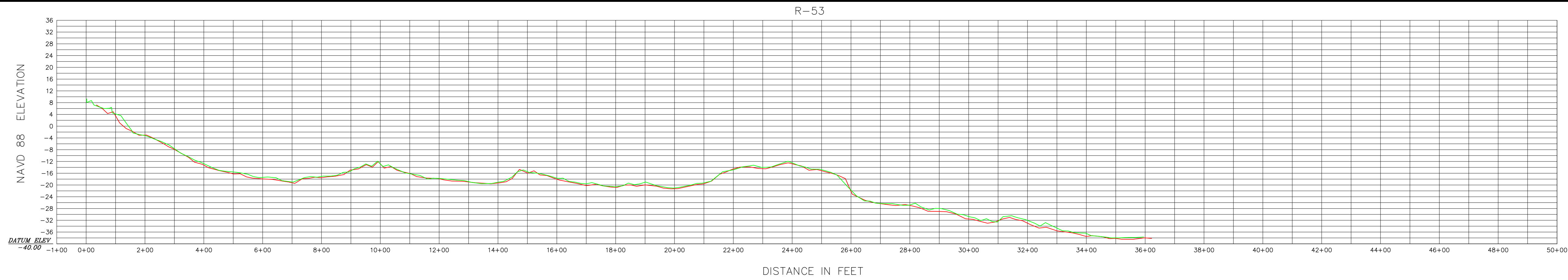
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11/7/2019

COMMISSION NO.
35657-2
SCALE
1" = 200'
DATE
11/18/2019
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HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

VERTICAL SCALE 1" = 20'
INTENDED DISPLAY SCALE

LEGEND
— NOVEMBER 2017
— NOVEMBER 2019



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JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

COMMISSION NO.
35657-2

SCALE
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DATE
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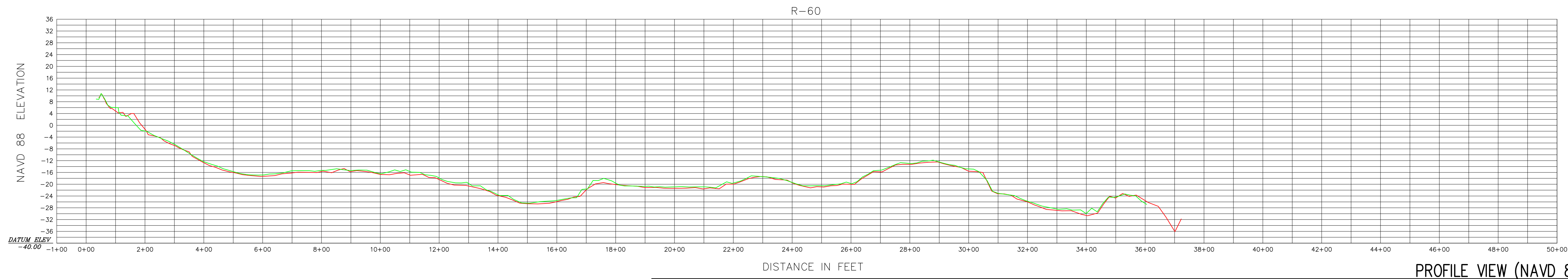
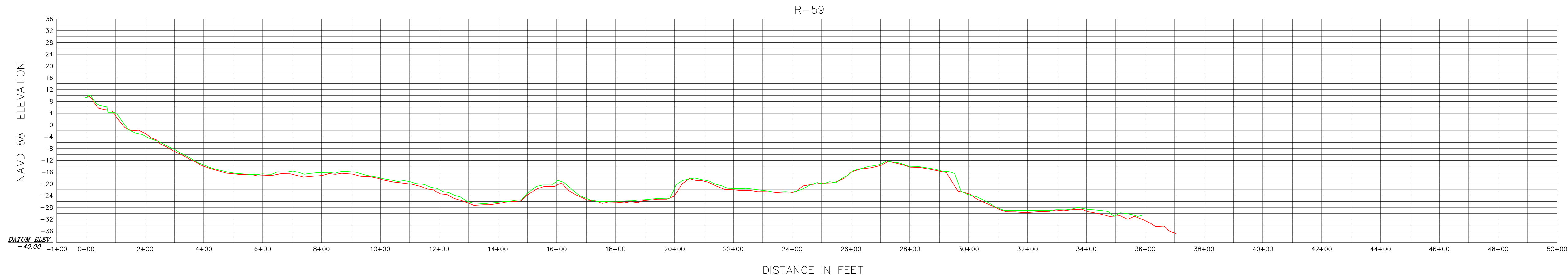
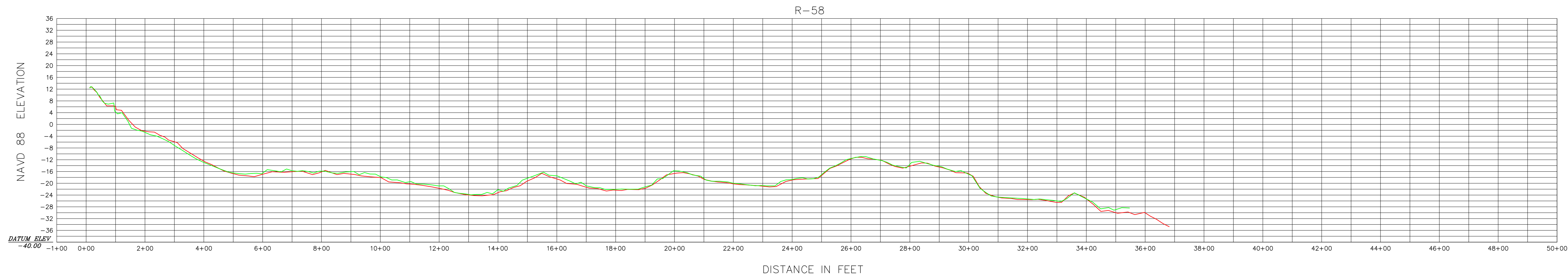
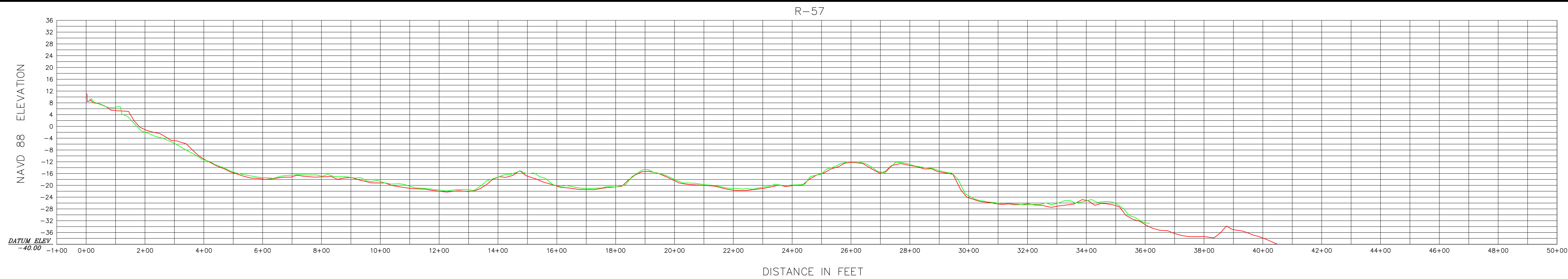
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11/7/2019

SHEET 26 OF 51



HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

VERTICAL SCALE 1" = 20'
INTENDED DISPLAY SCALE

LEGEND

NOVEMBER 2017
NOVEMBER 2019



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

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LB #4298

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JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
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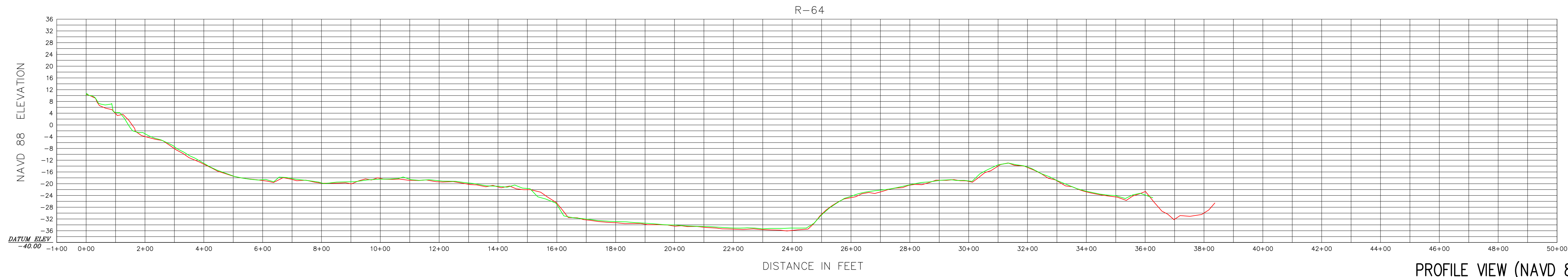
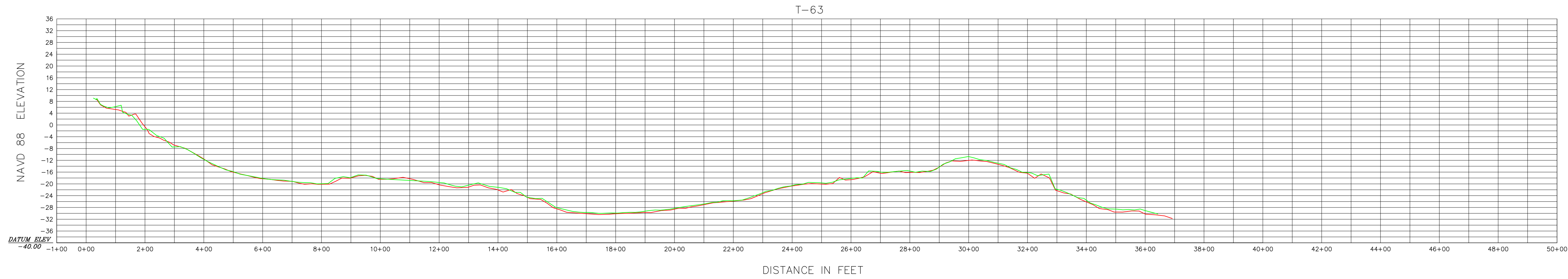
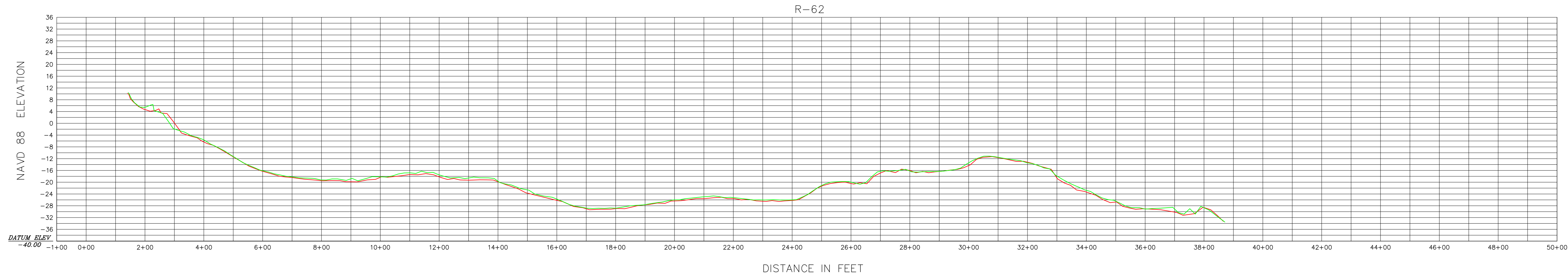
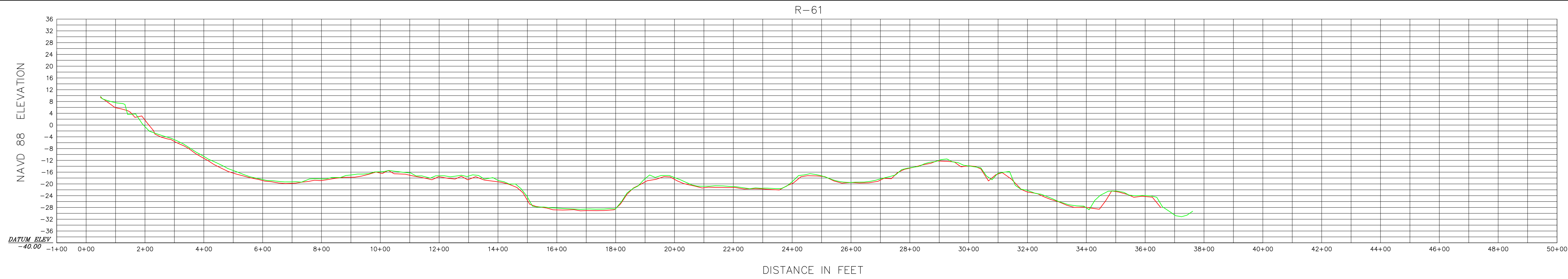
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DATE OF SURVEY
11/7/2019

SHEET 27 OF 51



0 200' 400'

HORIZONTAL SCALE 1" = 200'

INTENDED DISPLAY SCALE

0 20' 40'

VERTICAL SCALE 1" = 20'

INTENDED DISPLAY SCALE

LEGEND

— NOVEMBER 2017

— NOVEMBER 2019



JOHN R. MORGAN II, PSM

FLORIDA CERTIFICATION #3520

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JOHN R. MORGAN II, PLS

PROFESSIONAL LAND SURVEYOR #3520

STATE OF FLORIDA

PROFILE VIEW (NAVD 88)

TOPOGRAPHIC AND HYDROGRAPHIC SURVEY

BROWARD COUNTY POST-DORIAN BEACH MONITORING

BROWARD COUNTY R-25 THROUGH DADE R-5

- FOR -

OLSEN ASSOCIATES, INC.

COMMISSION NO.

35657-2

SCALE

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DATE

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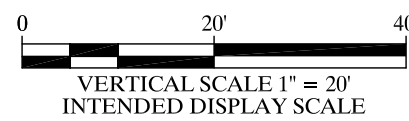
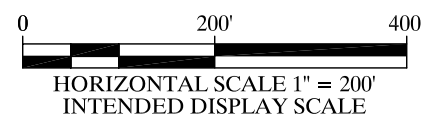
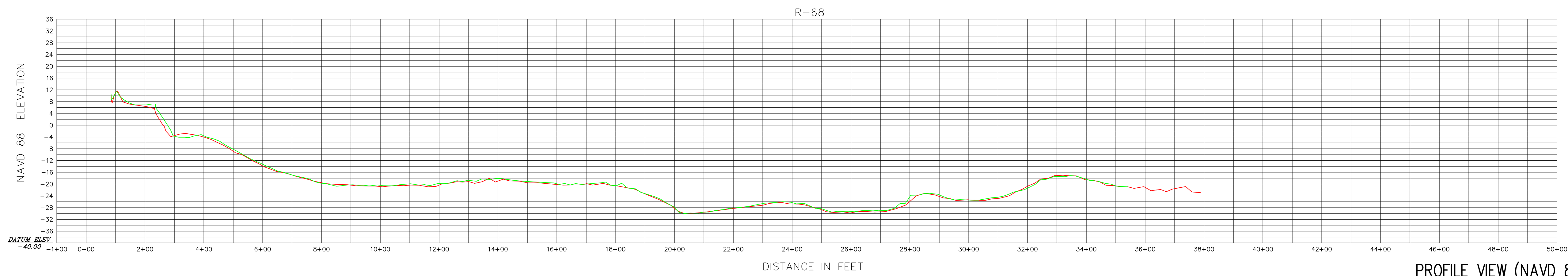
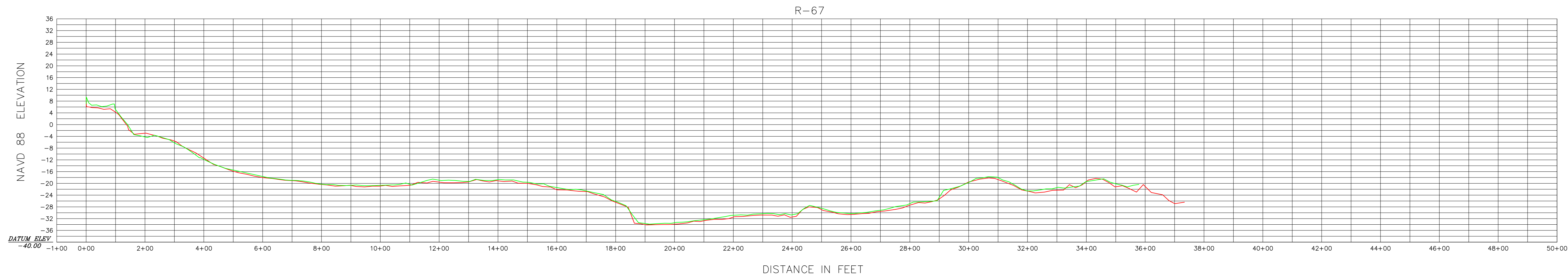
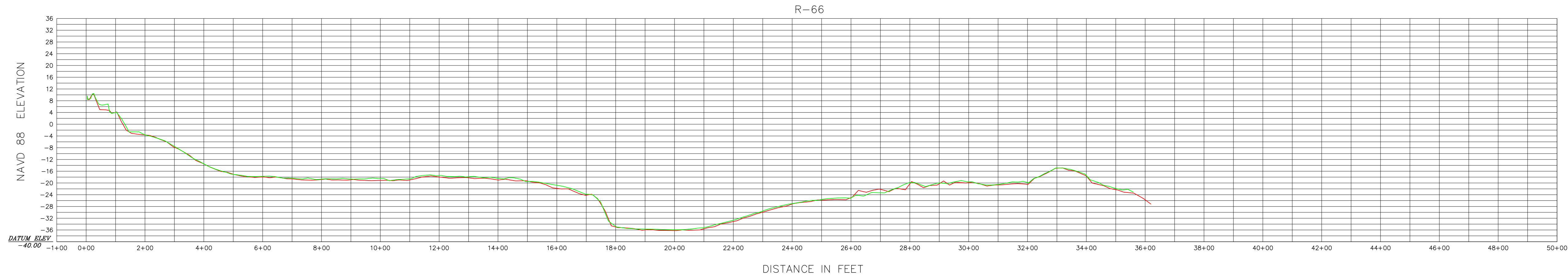
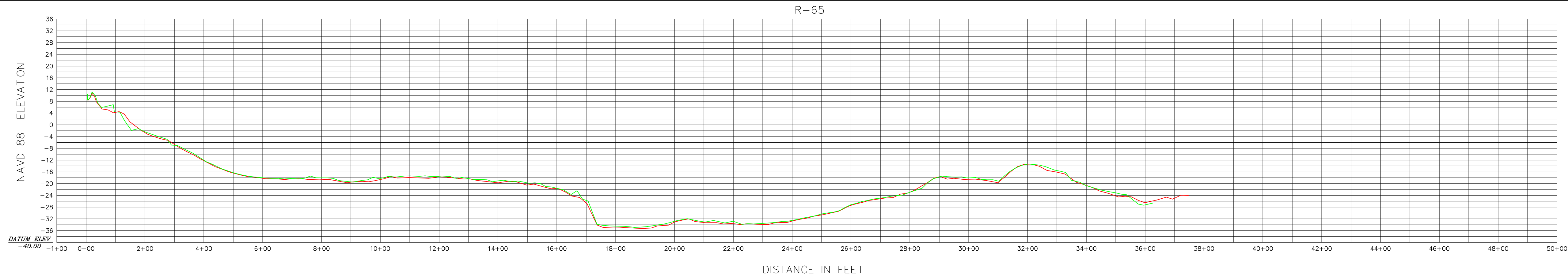
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DATE OF SURVEY

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LEGEND

— NOVEMBER 2017

— NOVEMBER 2019



JOHN R. MORGAN II, PSM
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Morgan & Eklund Inc.

PROFESSIONAL SURVEY CONSULTANTS

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JOHN R. MORGAN II, PLS
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STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/18/2019

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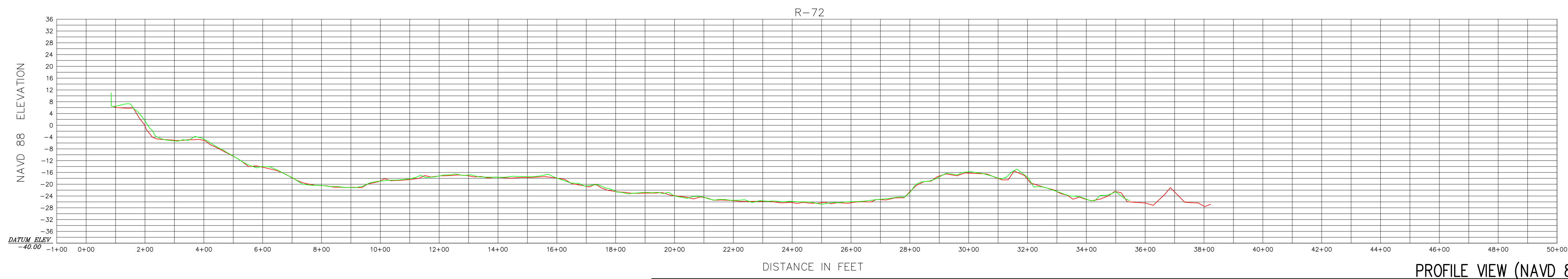
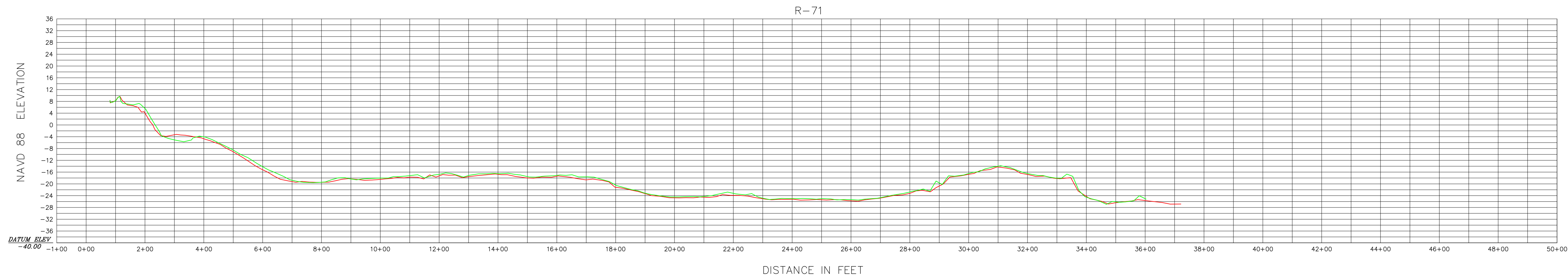
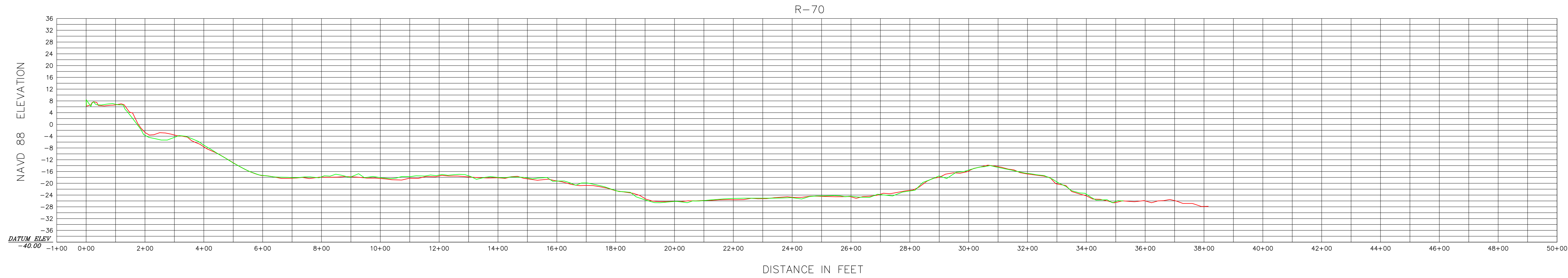
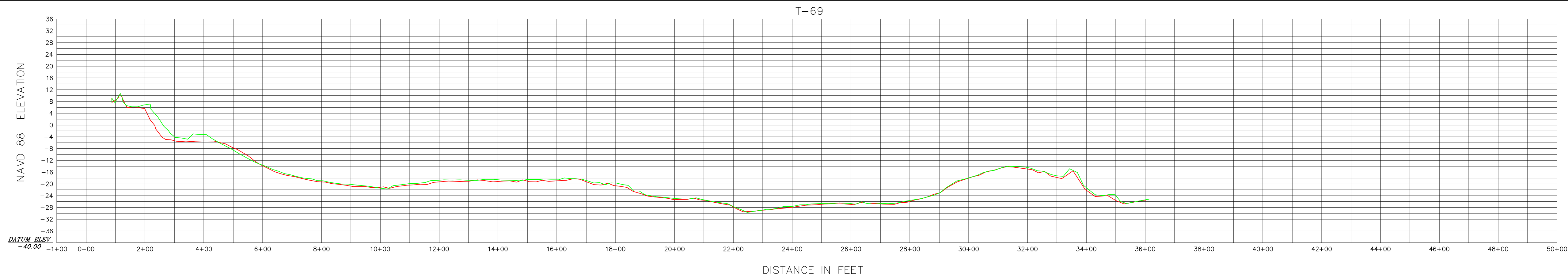
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DATE OF SURVEY
11/7/2019

SHEET 29 OF 51



0 200' 400'

HORIZONTAL SCALE 1" = 200'

INTENDED DISPLAY SCALE

0 20' 40'

VERTICAL SCALE 1" = 20'

INTENDED DISPLAY SCALE

LEGEND

— NOVEMBER 2017

— NOVEMBER 2019



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STATE OF FLORIDA

PROFILE VIEW (NAVD 88)

TOPOGRAPHIC AND HYDROGRAPHIC SURVEY

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BROWARD COUNTY R-25 THROUGH DADE R-5

- FOR -

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COMMISSION NO.

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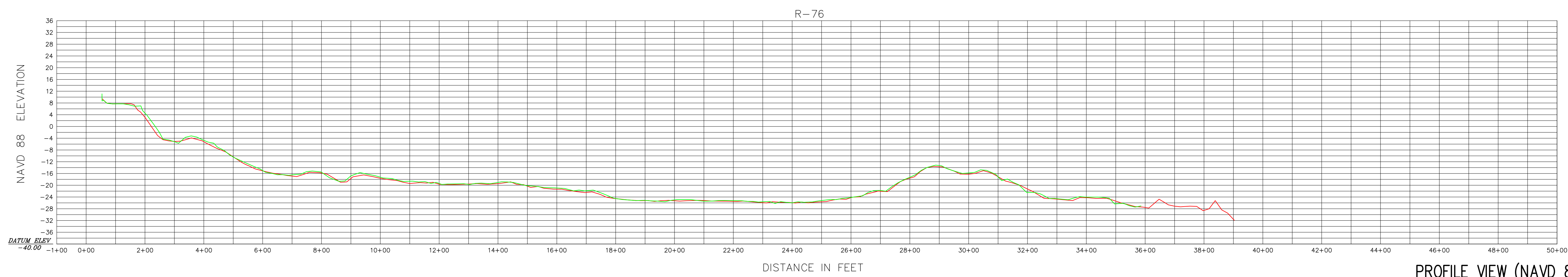
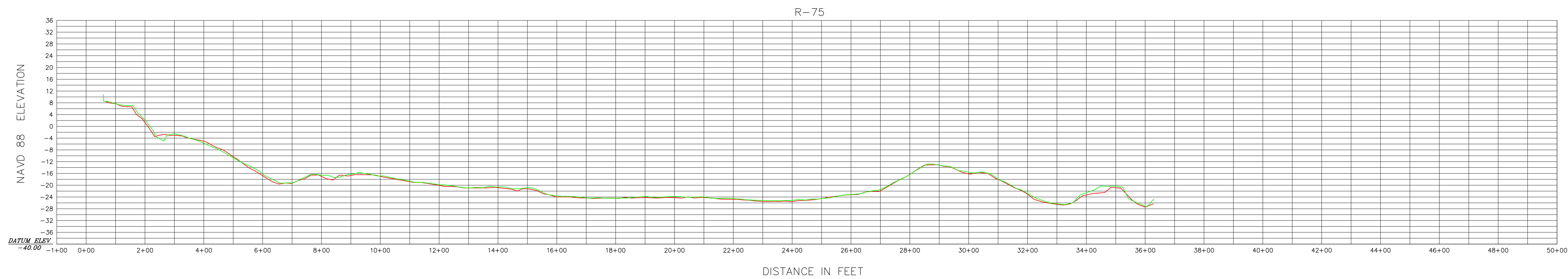
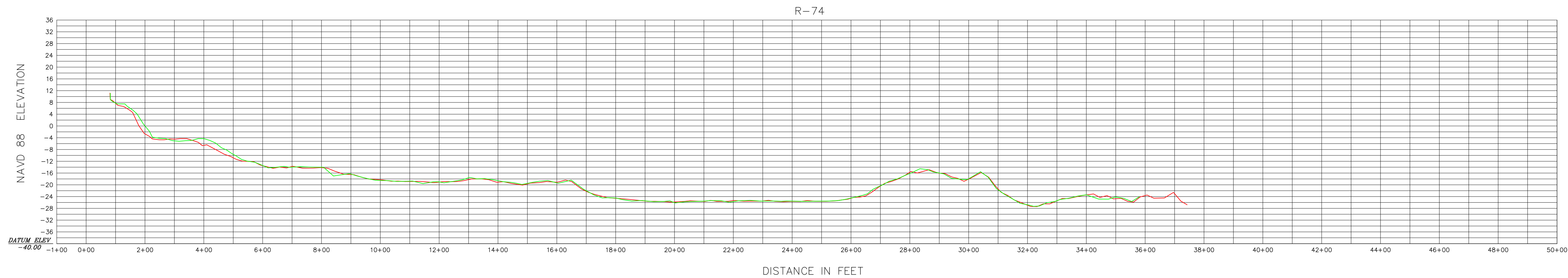
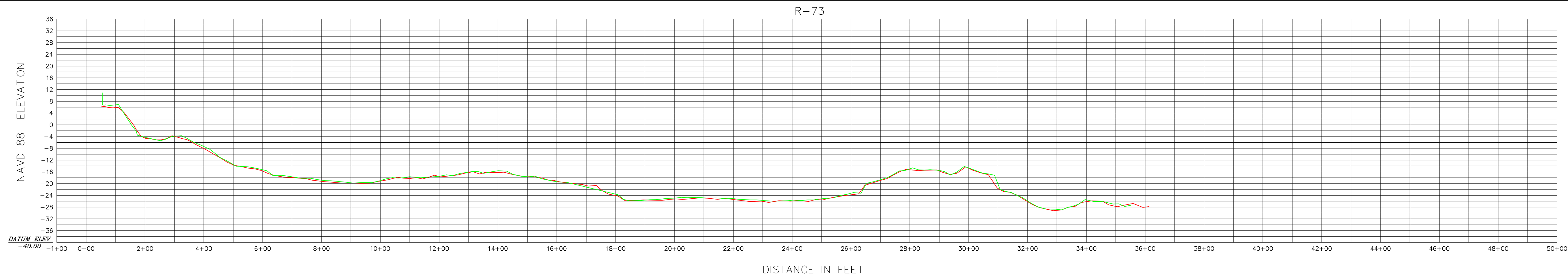
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DATE OF SURVEY

11/7/2019

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HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

VERTICAL SCALE 1" = 20'
INTENDED DISPLAY SCALE

LEGEND
— NOVEMBER 2017
— NOVEMBER 2019



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LB #4298

CERTIFICATE OF SURVEYOR - I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS IN ACCORDANCE WITH A RECENT FIELD SURVEY MADE UNDER MY DIRECTION, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 6J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/18/2019

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CAG

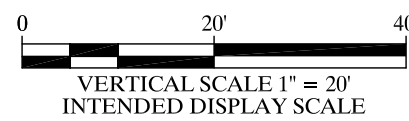
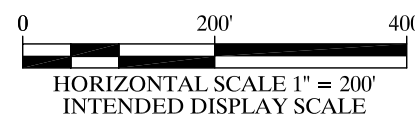
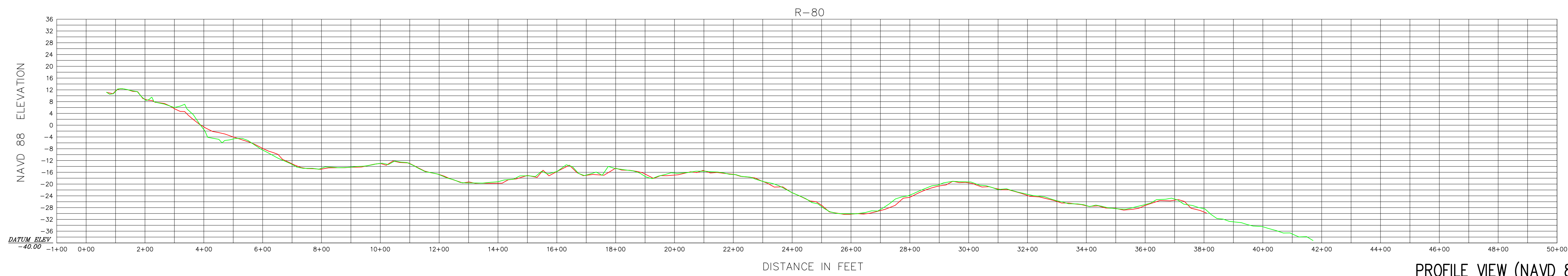
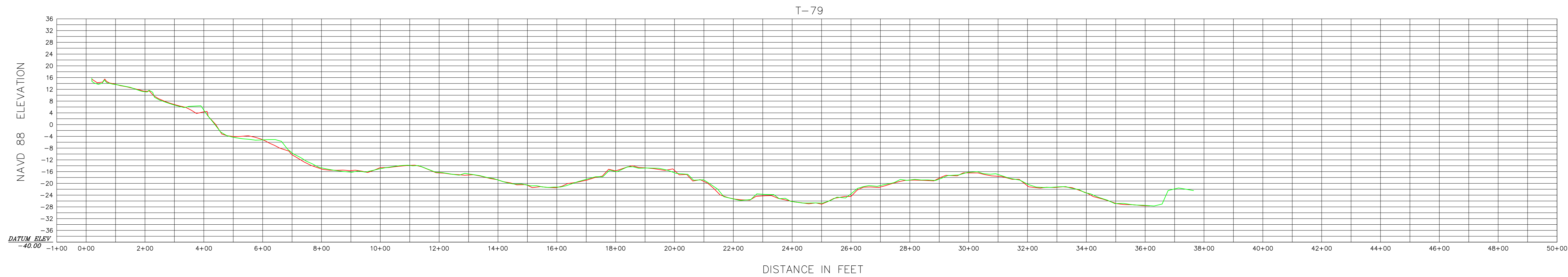
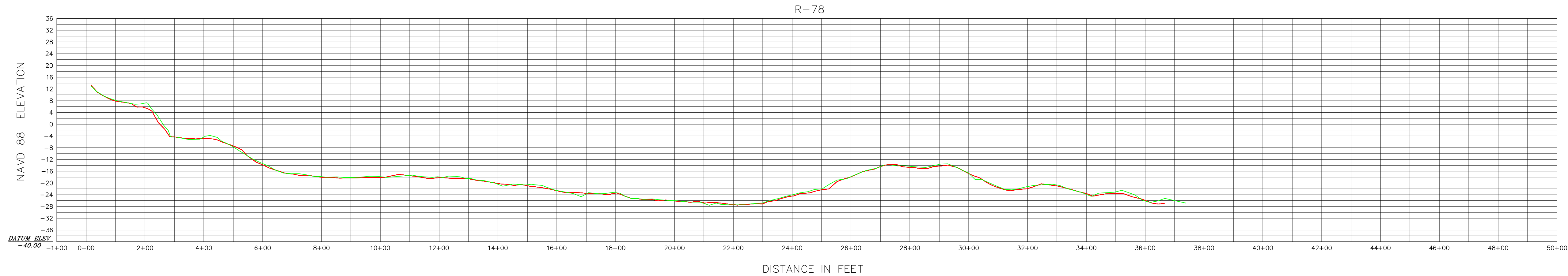
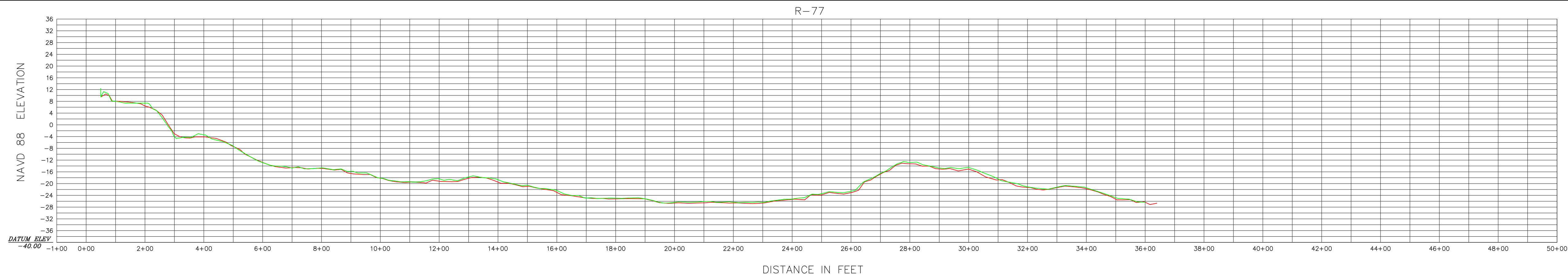
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11/7/2019

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LEGEND

— NOVEMBER 2017
— NOVEMBER 2019



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

Morgan & Eklund Inc.

PROFESSIONAL SURVEY CONSULTANTS

4909 US HIGHWAY #1
VERO BEACH, FL 32967
PHONE: (772) 388-5364
FAX: (772) 388-3165

1612 NW 2ND AVENUE
SUITE 3
BOCA RATON, FL 33432
PHONE: (954) 421-6682
FAX: (954) 421-0425

LB #4298

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JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/18/2019

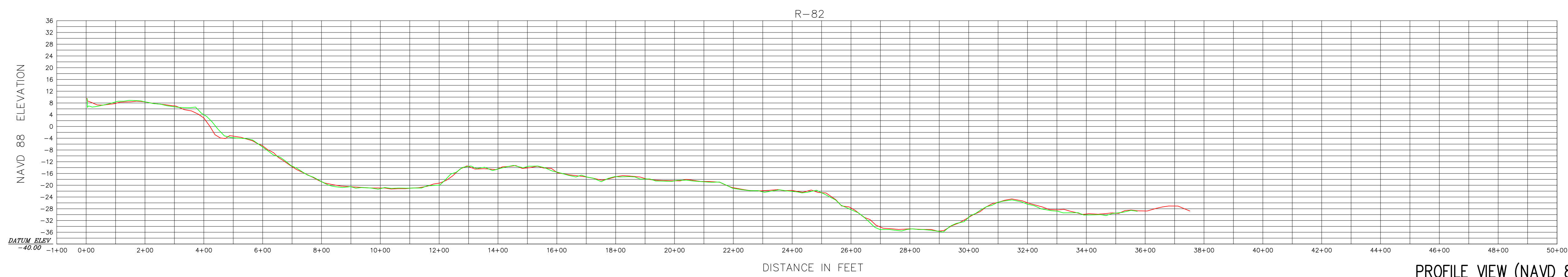
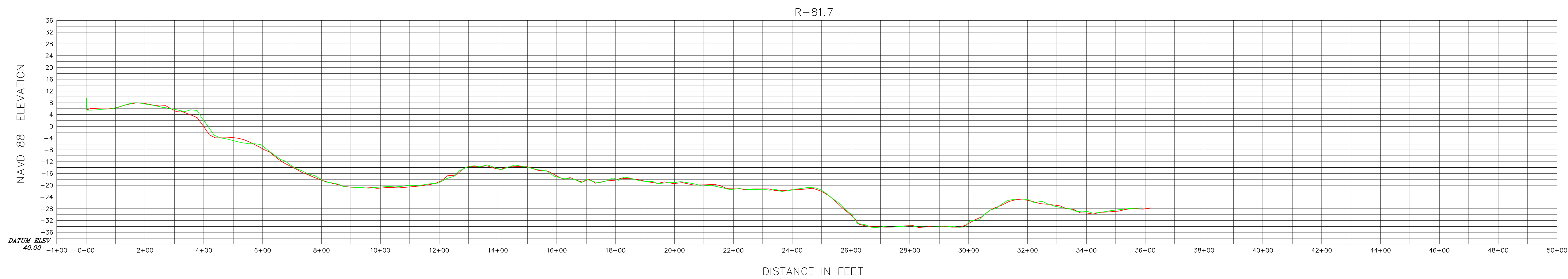
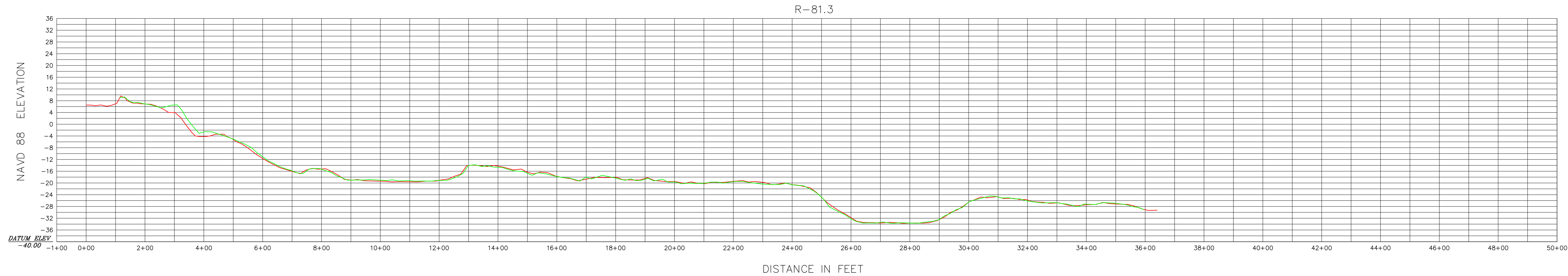
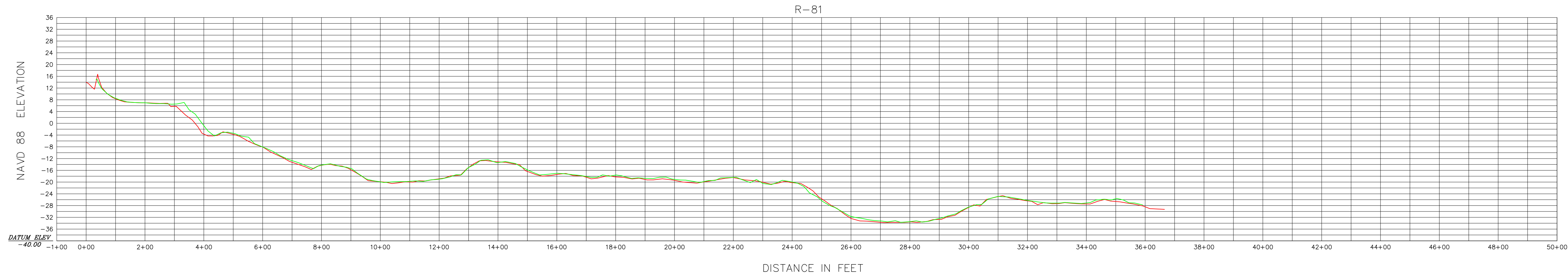
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HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

VERTICAL SCALE 1" = 20'
INTENDED DISPLAY SCALE

LEGEND
— NOVEMBER 2017
— NOVEMBER 2019



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JOHN R. MORGAN II, PLS
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STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
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COMMISSION NO.
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DATE
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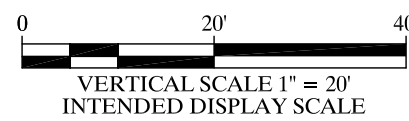
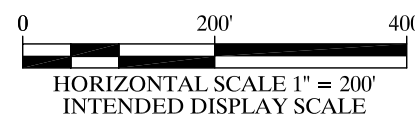
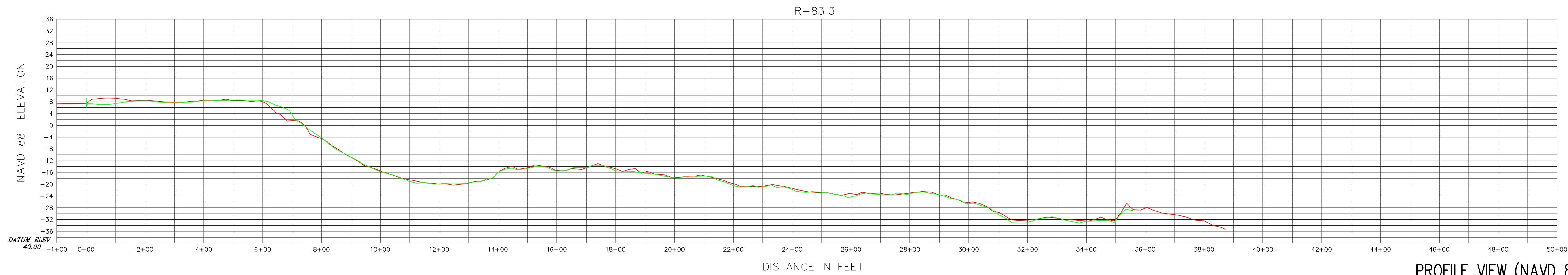
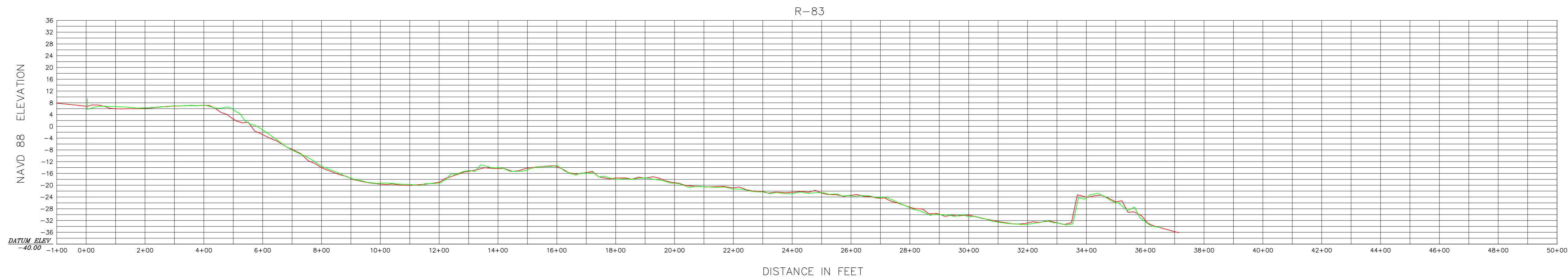
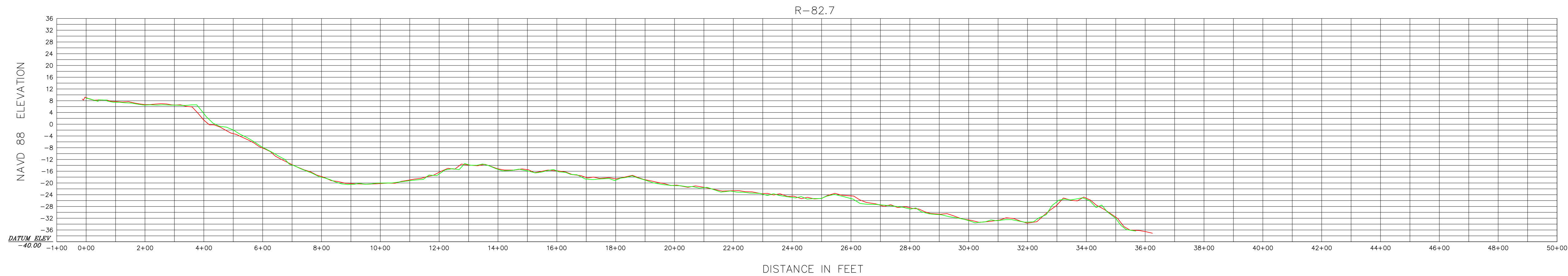
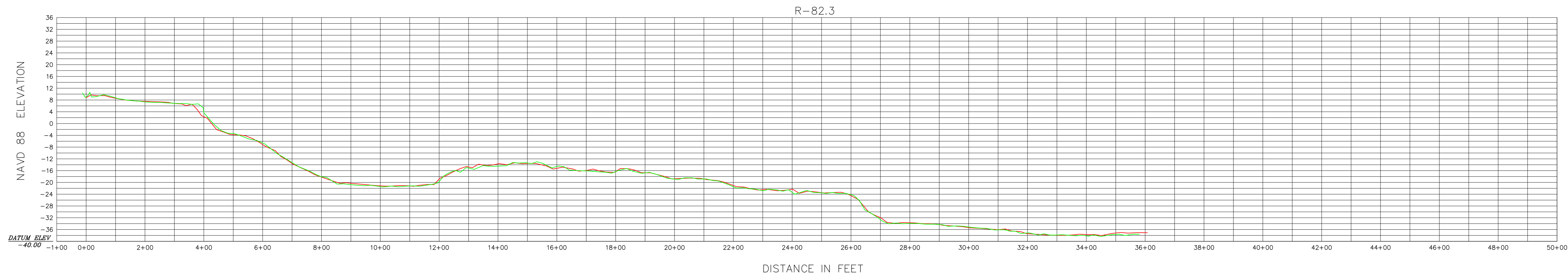
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11/7/2019

SHEET 33 OF 51



LEGEND

— NOVEMBER 2017
— NOVEMBER 2019



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

Morgan & Eklund Inc.

PROFESSIONAL SURVEY CONSULTANTS

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LB #4298

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JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/18/2019

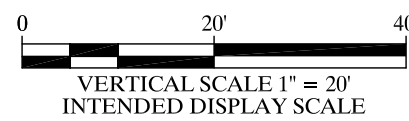
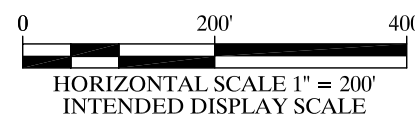
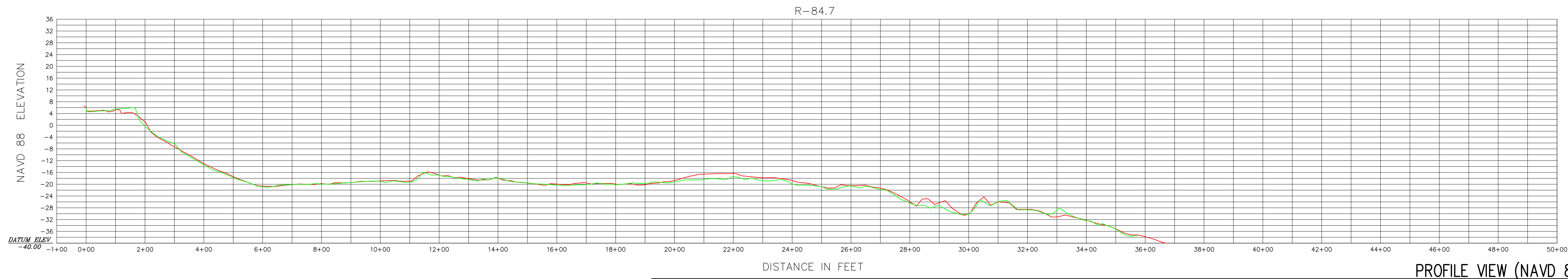
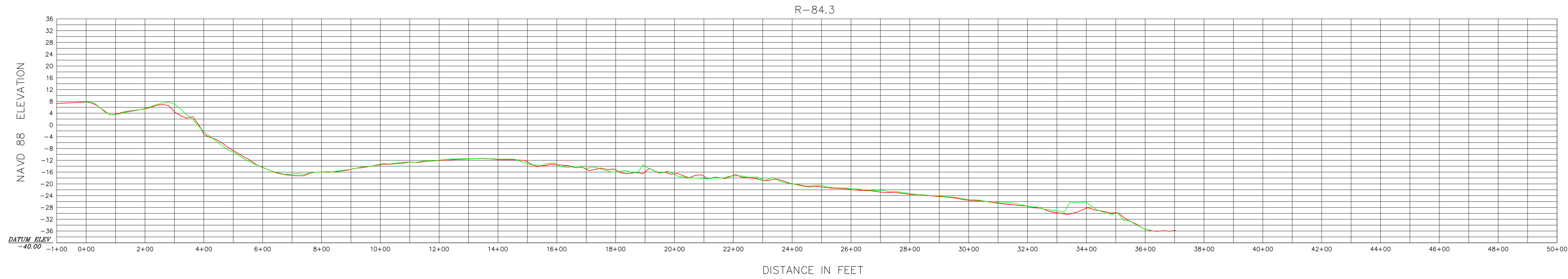
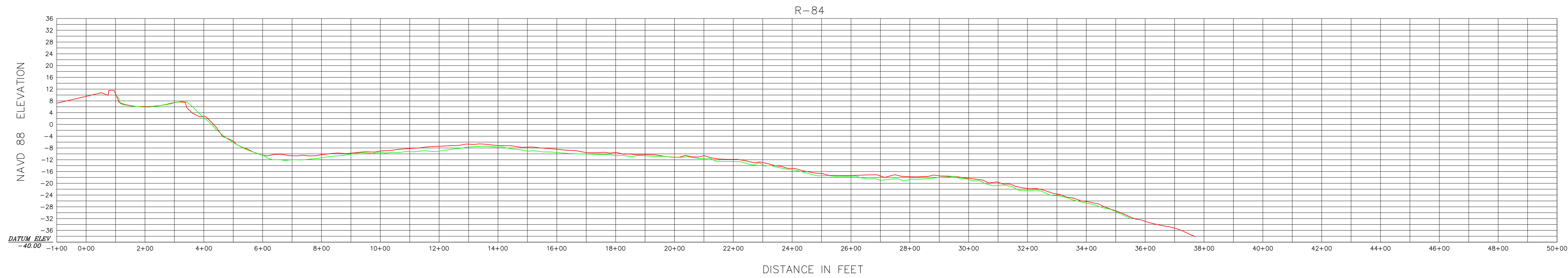
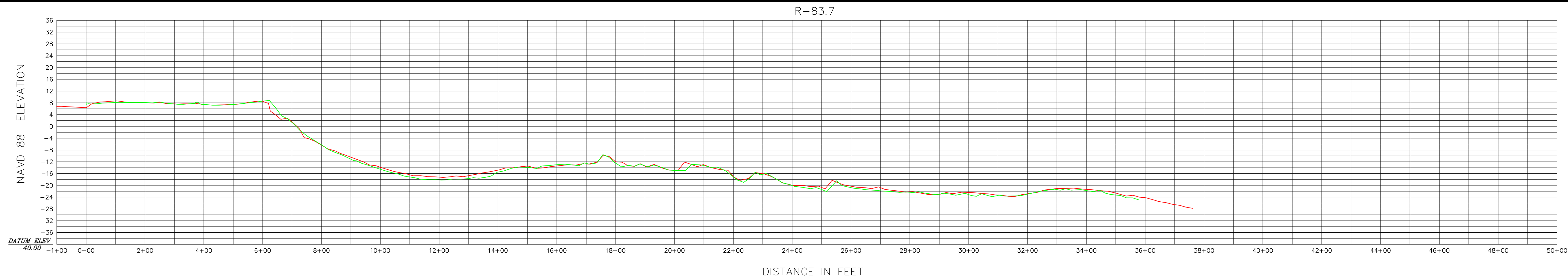
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11/7/2019

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LEGEND

— NOVEMBER 2017
— NOVEMBER 2019



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

Morgan & Eklund Inc.

PROFESSIONAL SURVEY CONSULTANTS

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BOCA RATON, FL 33432
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FAX: (954) 421-0425

LB #4298

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JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/18/2019

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CAG

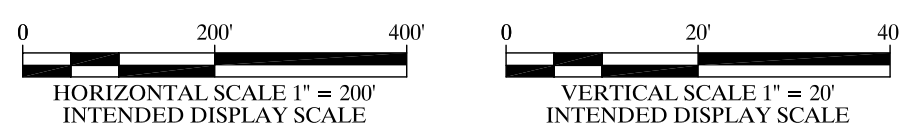
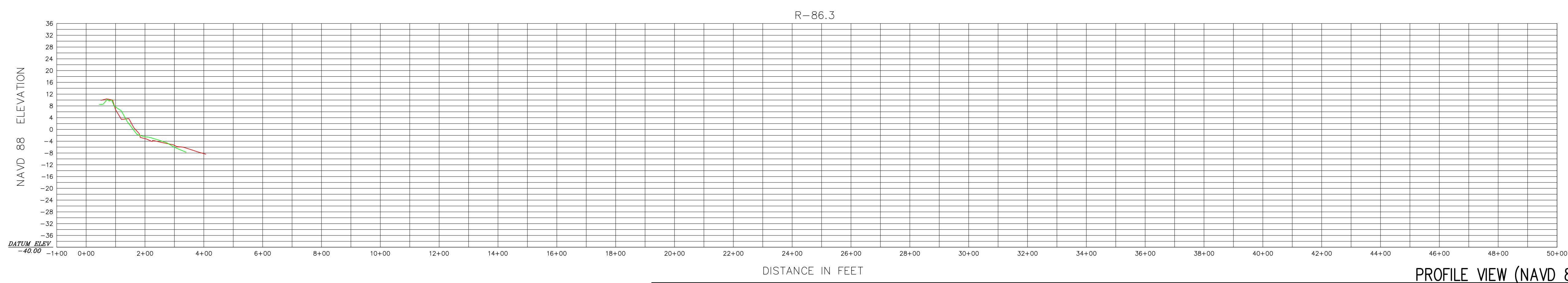
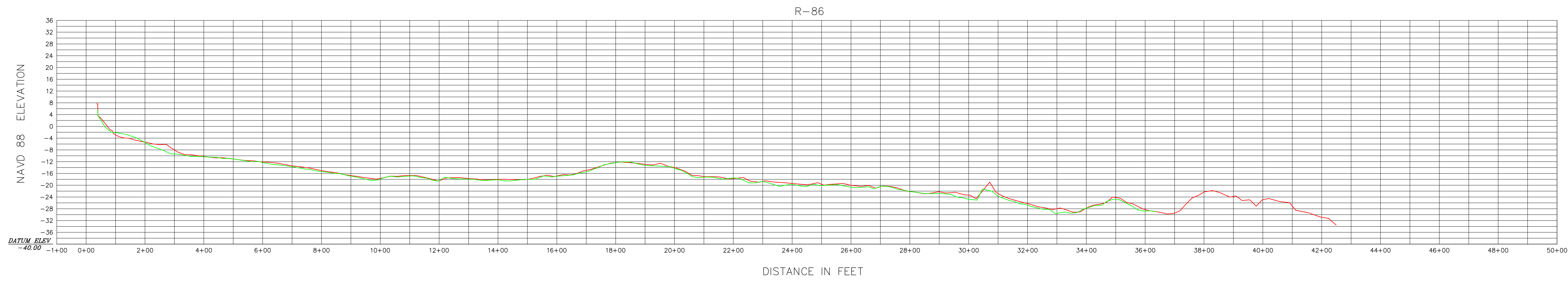
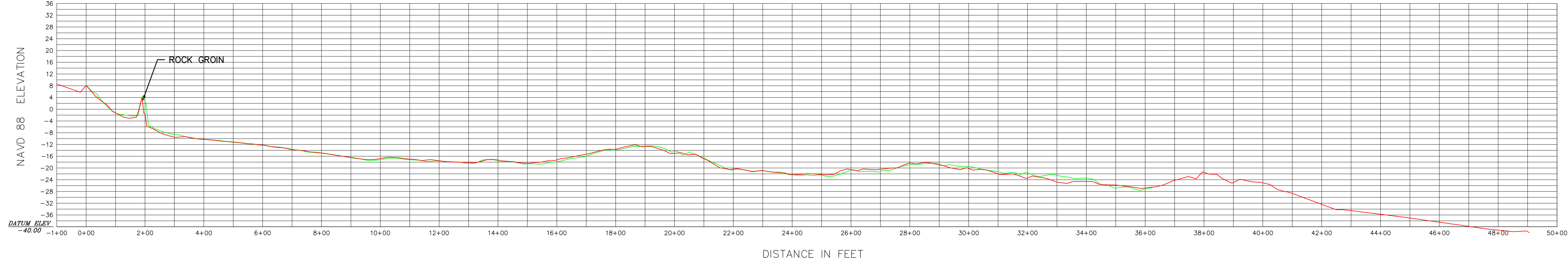
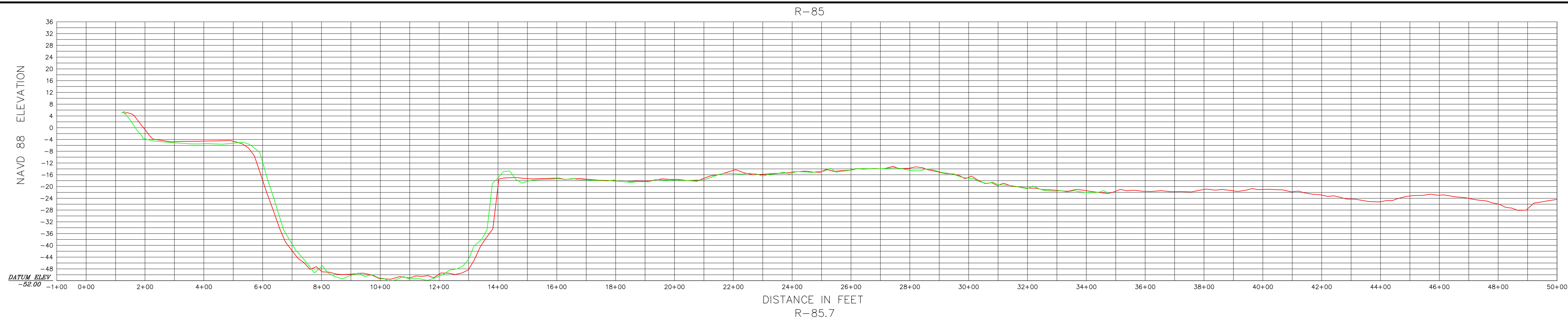
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11/7/2019

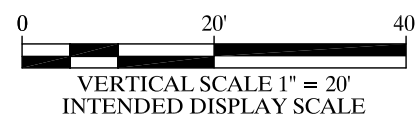
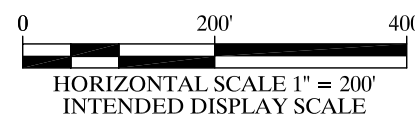
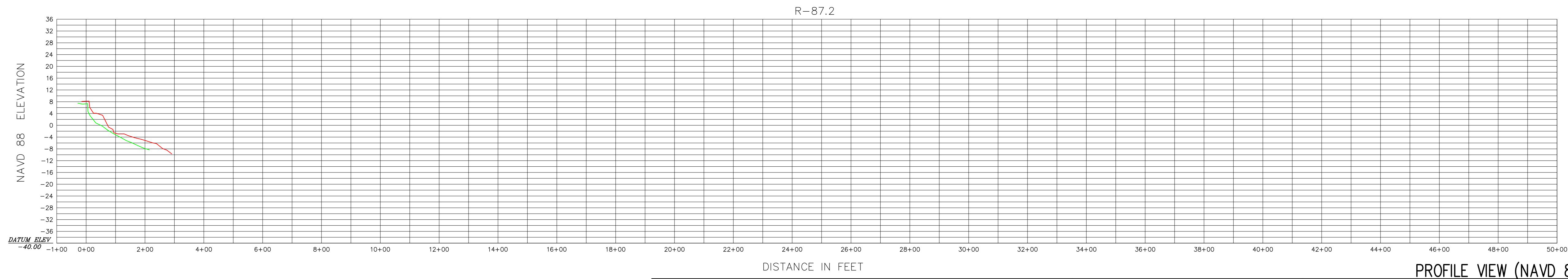
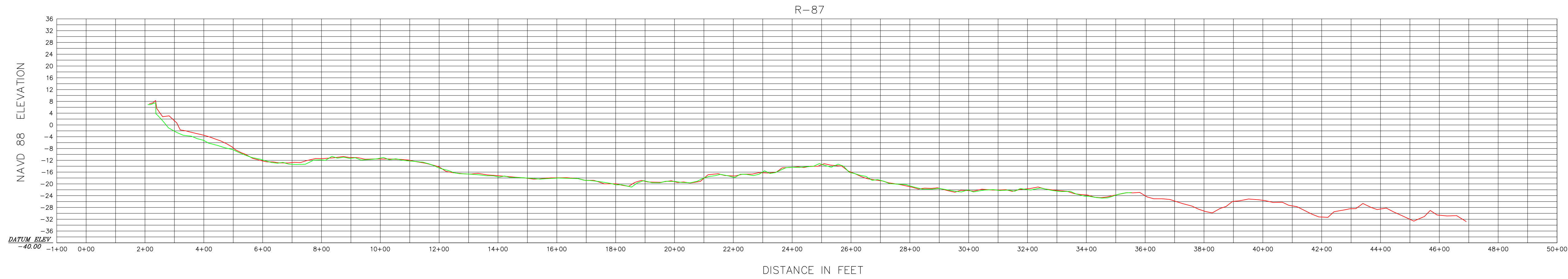
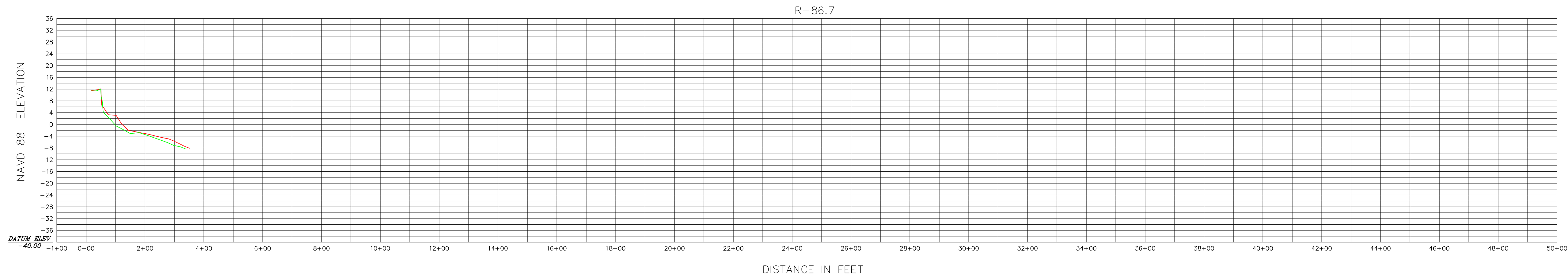
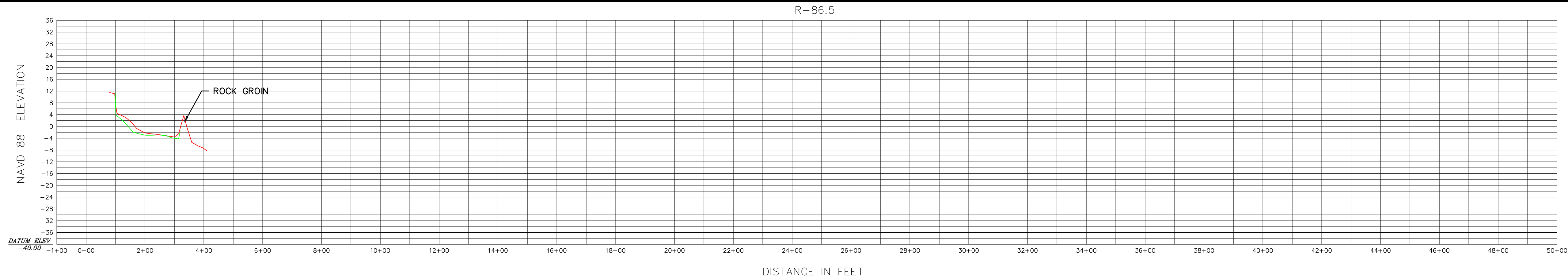
SHEET 35 OF 51



LEGEND

— NOVEMBER 2017
— NOVEMBER 2019

 JOHN R. MORGAN II, PSM FLORIDA CERTIFICATION #3520	Morgan & Eklund Inc.	CERTIFICATE OF SURVEYOR - I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS IN ACCORDANCE WITH A RECENT FIELD SURVEY MADE UNDER MY DIRECTION, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 6J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES. JOHN R. MORGAN II, PLS PROFESSIONAL LAND SURVEYOR #3520 STATE OF FLORIDA	PROFILE VIEW (NAVD 88)				COMMISSION NO. 35657-2	
	PROFESSIONAL SURVEY CONSULTANTS		TOPOGRAPHIC AND HYDROGRAPHIC SURVEY				SCALE 1" = 200'	
	4909 US HIGHWAY #1 VERO BEACH, FL 32967 PHONE: (772) 388-5364 FAX: (772) 388-3165		1612 NW 2ND AVENUE SUITE 3 BOCA RATON, FL 33432 PHONE: (954) 421-6682 FAX: (954) 421-0425	BROWARD COUNTY POST-DORIAN BEACH MONITORING				DATE 11/18/2019
	- FOR -				SHEET 36 OF 51			
			OLSEN ASSOCIATES, INC.					
			DRAWN BY CAG	CHECKED BY JRM	FIELD BOOK PAGE NO.	SEE COVER	DATE OF SURVEY 11/7/2019	



LEGEND

— NOVEMBER 2017
— NOVEMBER 2019



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

Morgan & Eklund Inc.

PROFESSIONAL SURVEY CONSULTANTS

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LB #4298

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JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/18/2019

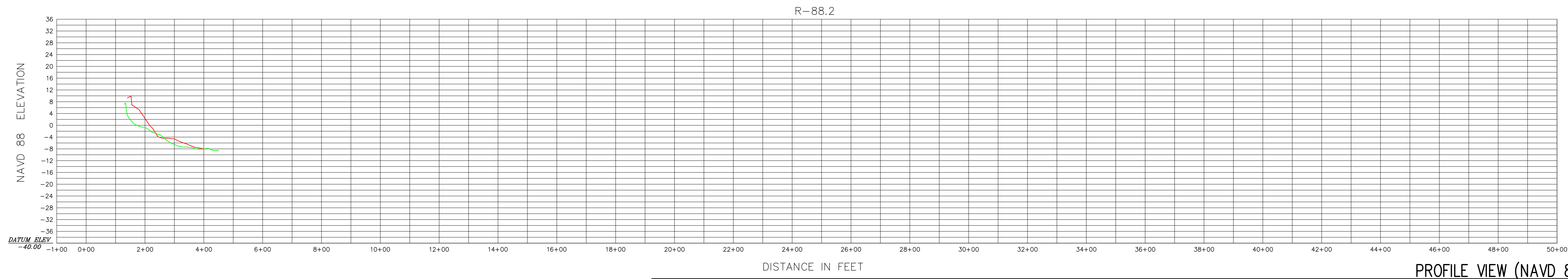
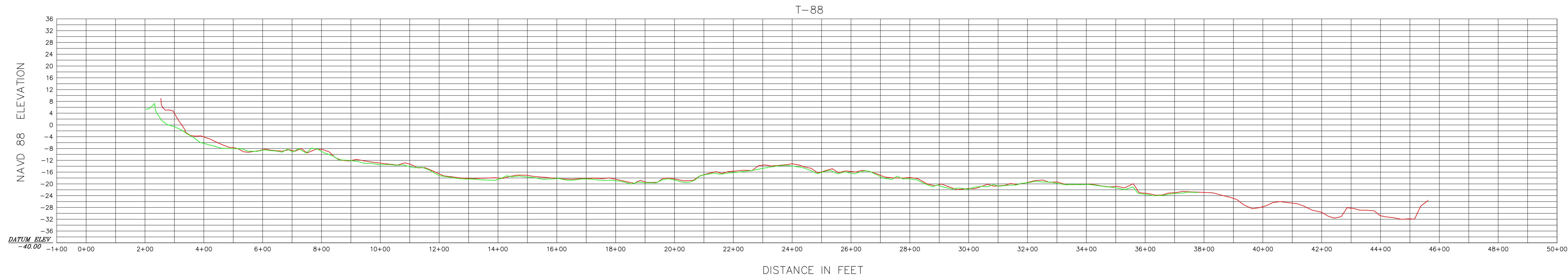
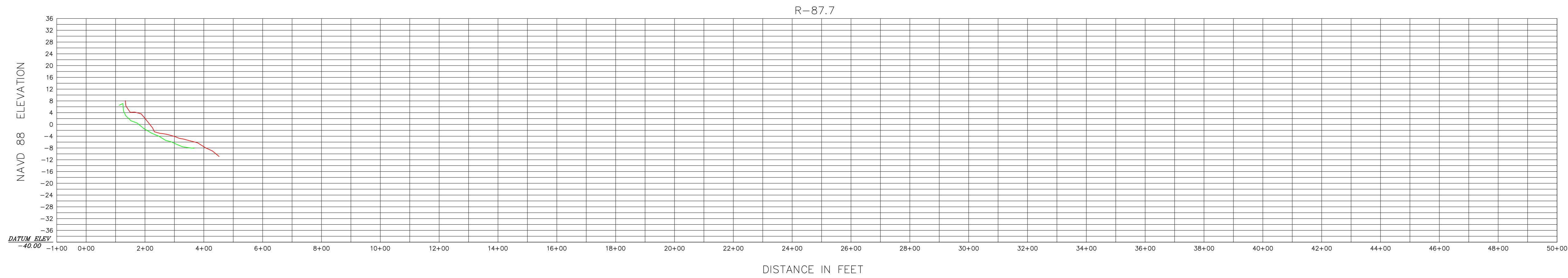
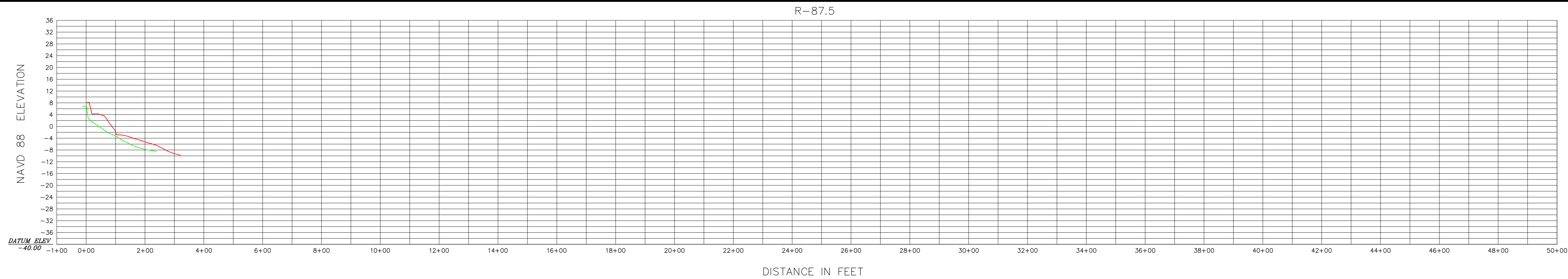
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JRM

FIELD BOOK
PAGE NO. COVER

DATE OF SURVEY
11/7/2019

SHEET 37 OF 51



0 200' 400'

HORIZONTAL SCALE 1" = 200'

INTENDED DISPLAY SCALE

0 20' 40'

VERTICAL SCALE 1" = 20'

INTENDED DISPLAY SCALE

LEGEND

— NOVEMBER 2017

— NOVEMBER 2019



JOHN R. MORGAN II, PSM

FLORIDA CERTIFICATION #3520

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PROFILE VIEW (NAVD 88)

TOPOGRAPHIC AND HYDROGRAPHIC SURVEY

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COMMISSION NO.

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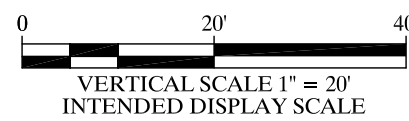
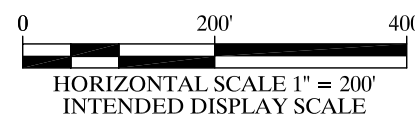
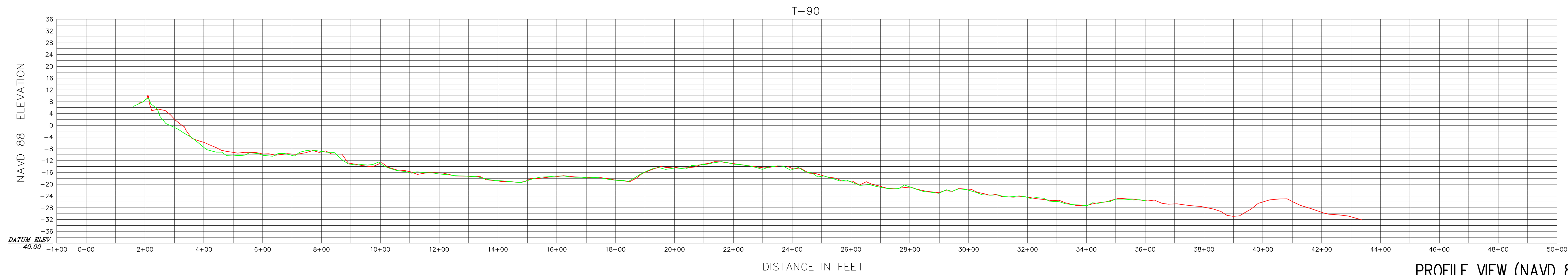
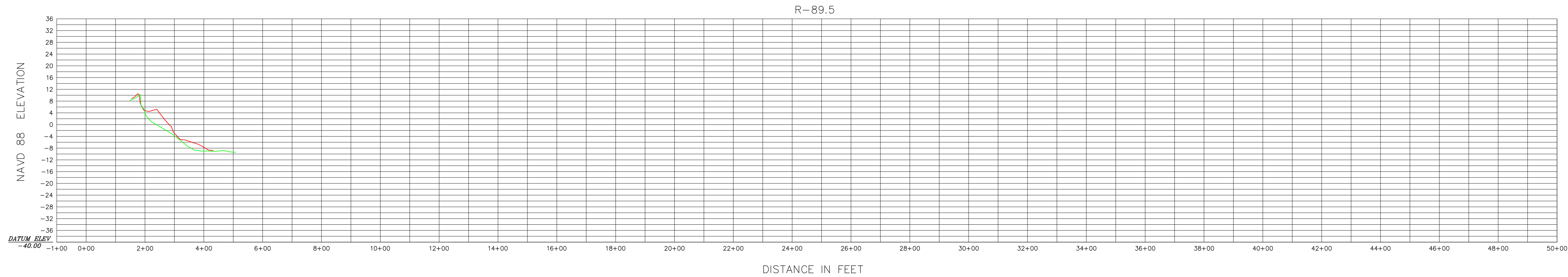
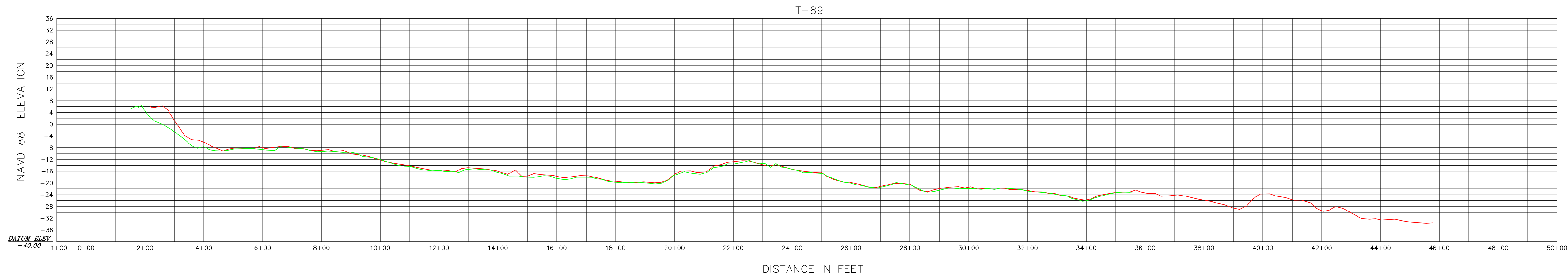
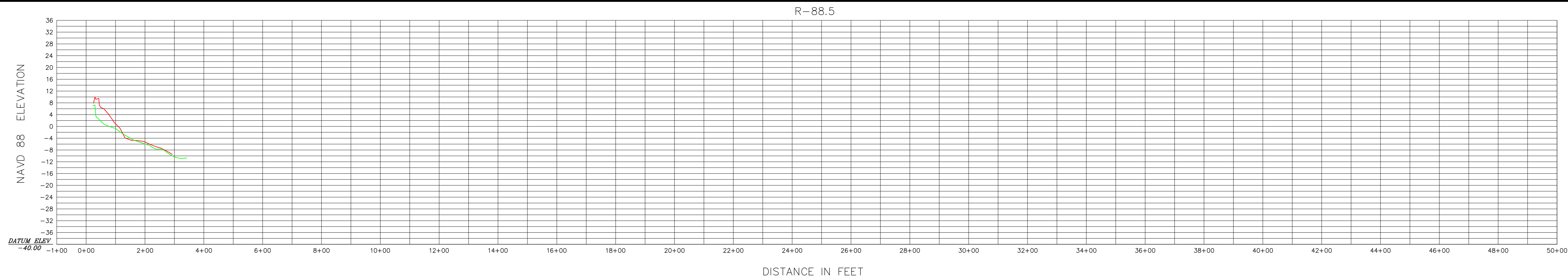
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DATE OF SURVEY

11/7/2019

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LEGEND

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— NOVEMBER 2019



JOHN R. MORGAN II, PSM
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JOHN R. MORGAN II, PLS
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STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
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BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

DRAWN BY
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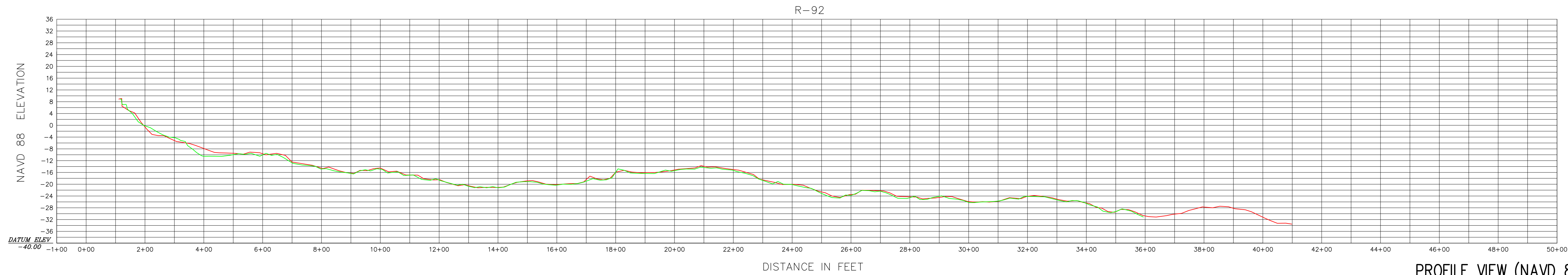
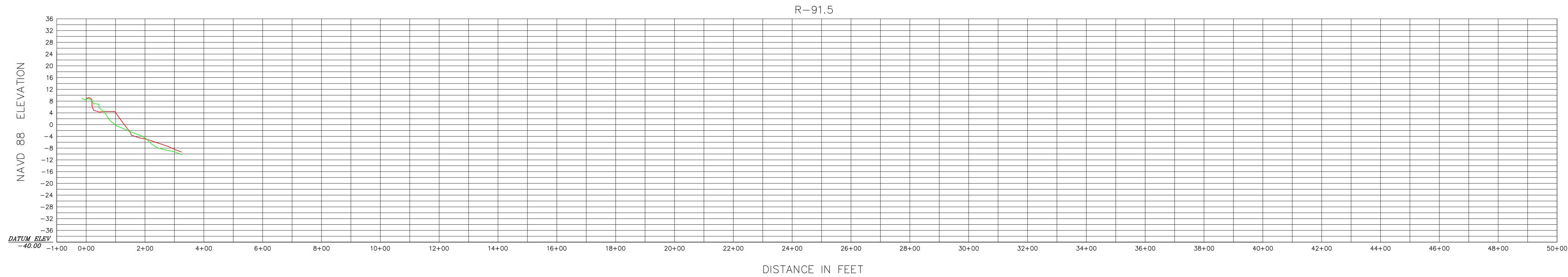
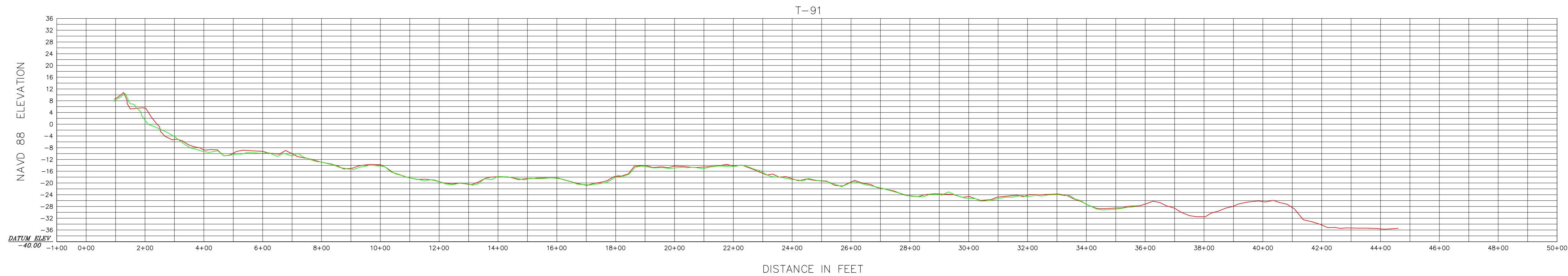
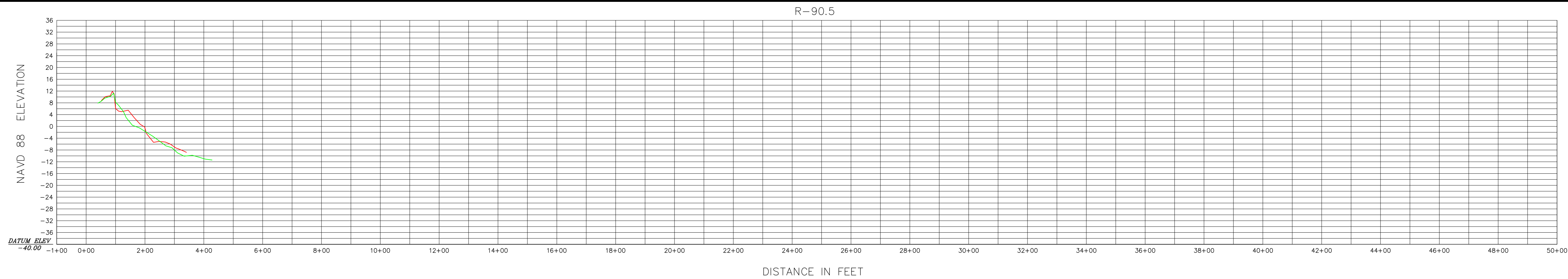
DATE OF SURVEY
11/7/2019

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/18/2019

SHEET 39 OF 51



HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

VERTICAL SCALE 1" = 20'
INTENDED DISPLAY SCALE

LEGEND

NOVEMBER 2017
NOVEMBER 2019



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

Morgan & Eklund Inc.

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BOCA RATON, FL 33432
PHONE: (954) 421-6682
FAX: (954) 421-0425

LB #4298

CERTIFICATE OF SURVEYOR - I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS IN ACCORDANCE WITH A RECENT FIELD SURVEY MADE UNDER MY DIRECTION, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 6J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/18/2019

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CAG

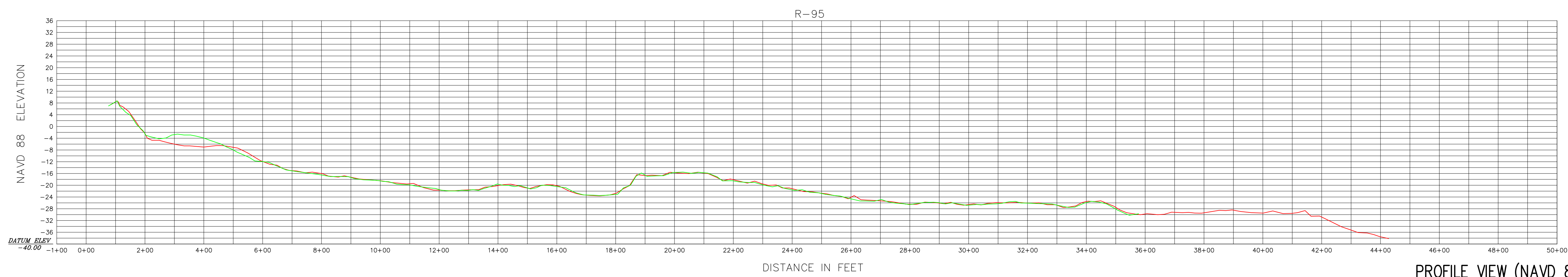
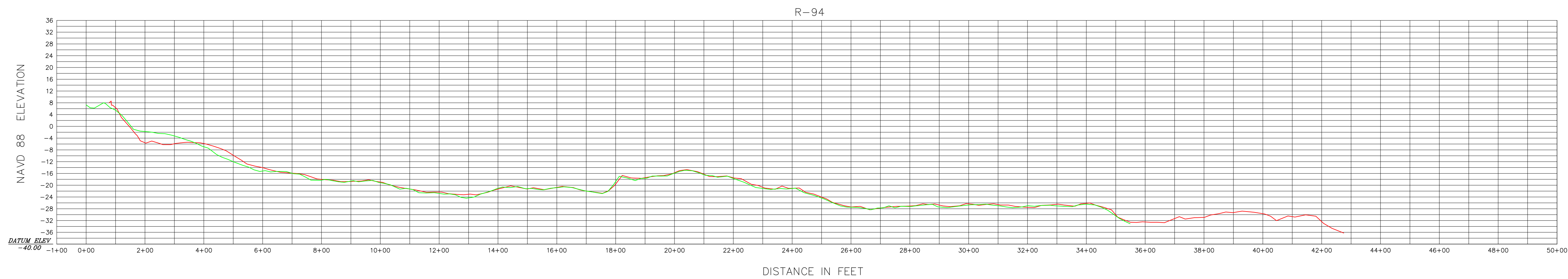
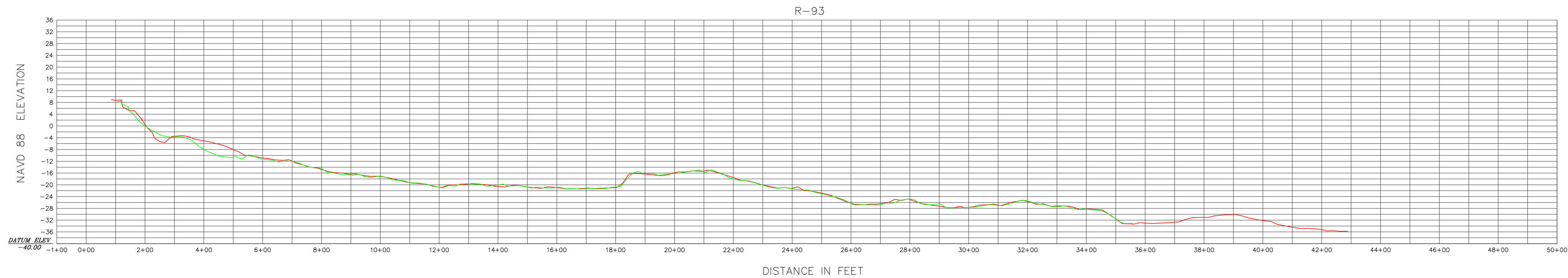
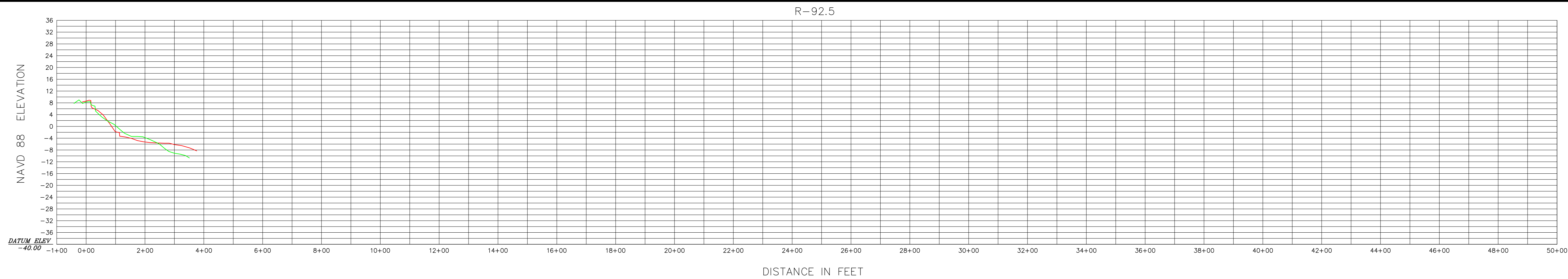
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JRM

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DATE OF SURVEY
11/7/2019

SHEET 40 OF 51



0 200' 400'

HORIZONTAL SCALE 1" = 200'

INTENDED DISPLAY SCALE

0 20' 40'

VERTICAL SCALE 1" = 20'

INTENDED DISPLAY SCALE

LEGEND

— NOVEMBER 2017

— NOVEMBER 2019



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JOHN R. MORGAN II, PLS

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STATE OF FLORIDA

PROFILE VIEW (NAVD 88)

TOPOGRAPHIC AND HYDROGRAPHIC SURVEY

BROWARD COUNTY POST-DORIAN BEACH MONITORING

BROWARD COUNTY R-25 THROUGH DADE R-5

- FOR -

OLSEN ASSOCIATES, INC.

COMMISSION NO.

35657-2

SCALE

1" = 200'

DATE

11/18/2019

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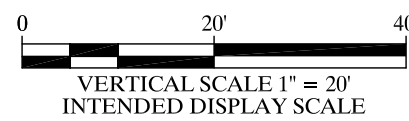
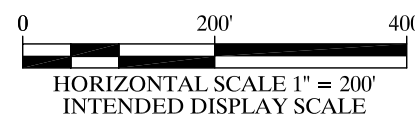
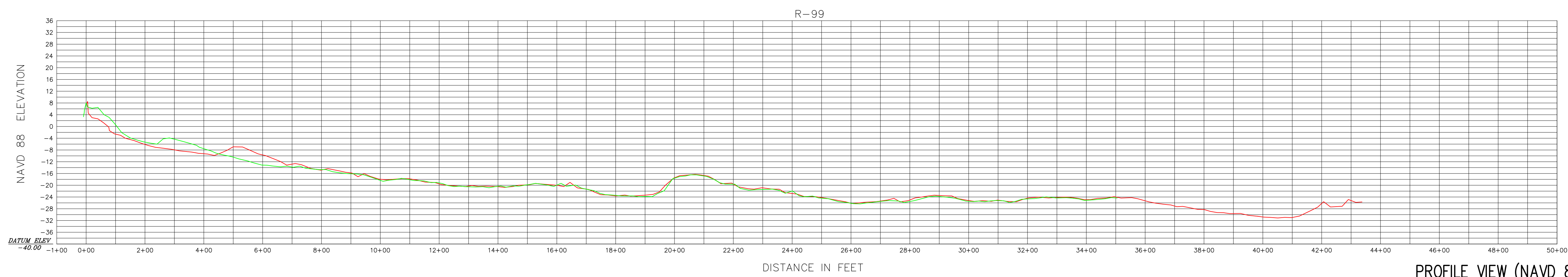
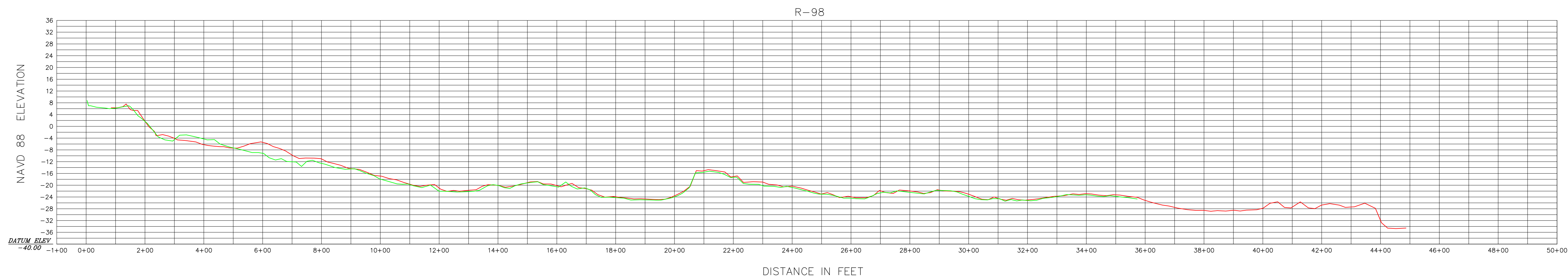
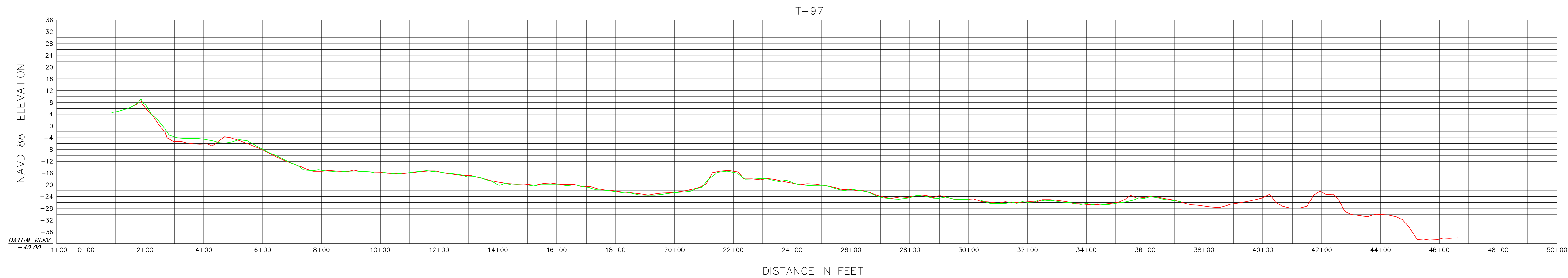
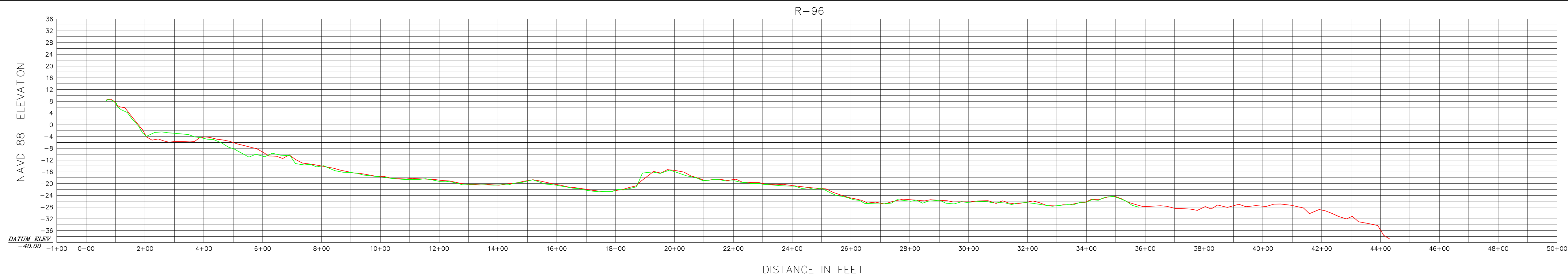
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SHEET

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LEGEND

— NOVEMBER 2017

— NOVEMBER 2019



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

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STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/18/2019

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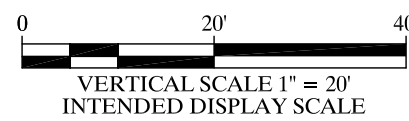
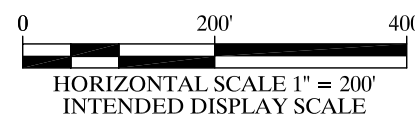
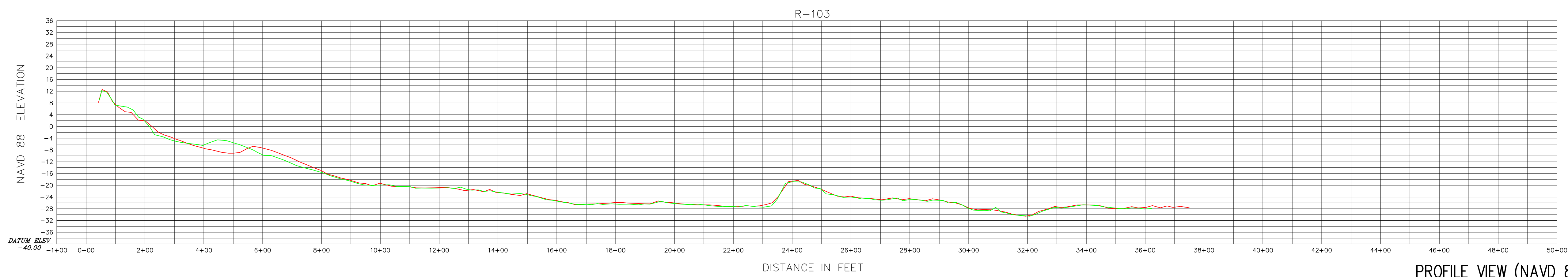
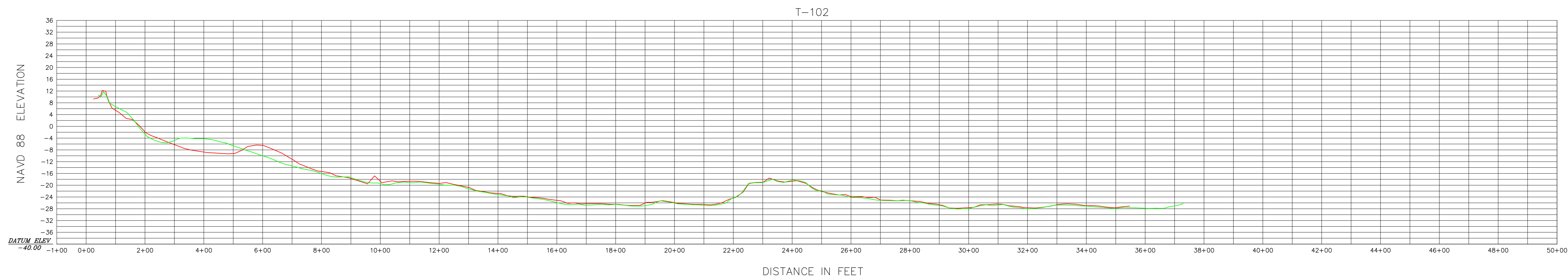
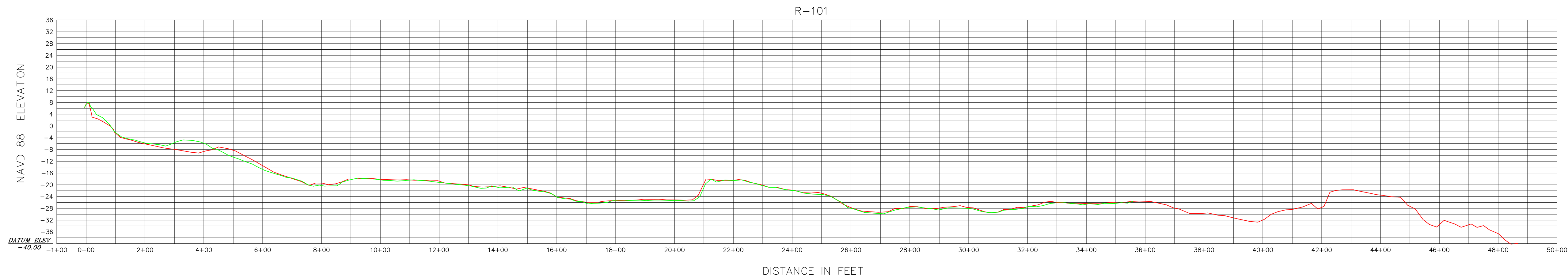
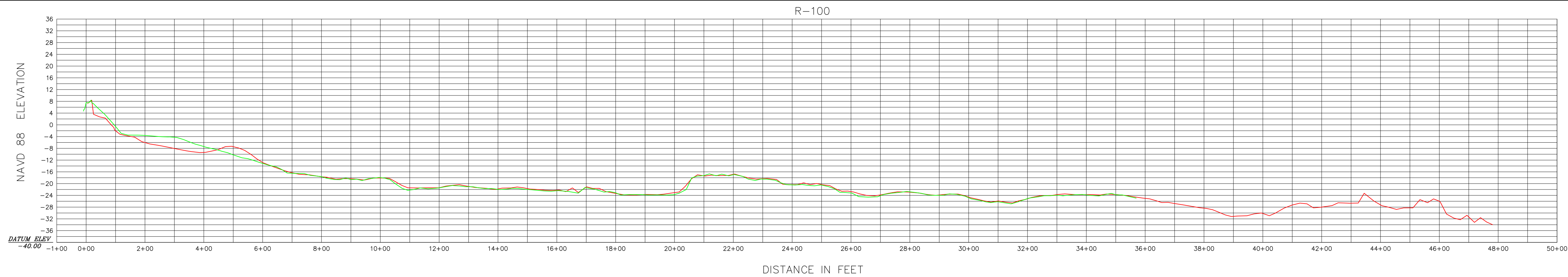
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11/7/2019

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LEGEND

— NOVEMBER 2017
— NOVEMBER 2019



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

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LB #4298

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JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/18/2019

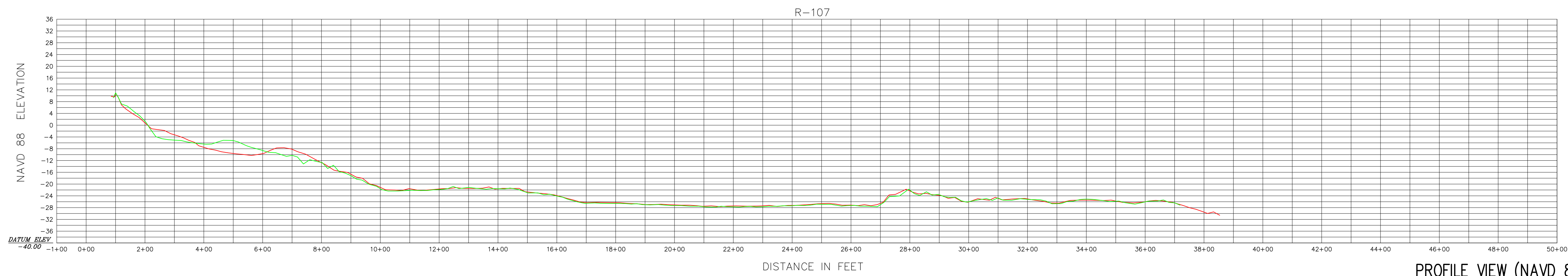
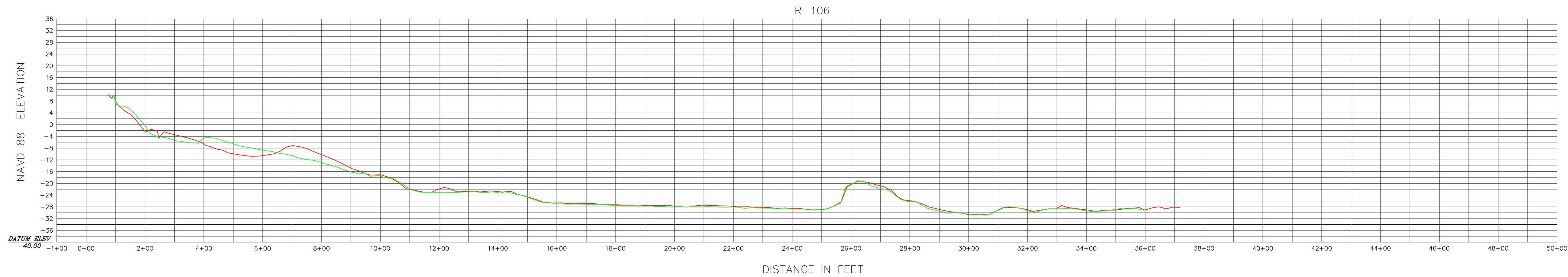
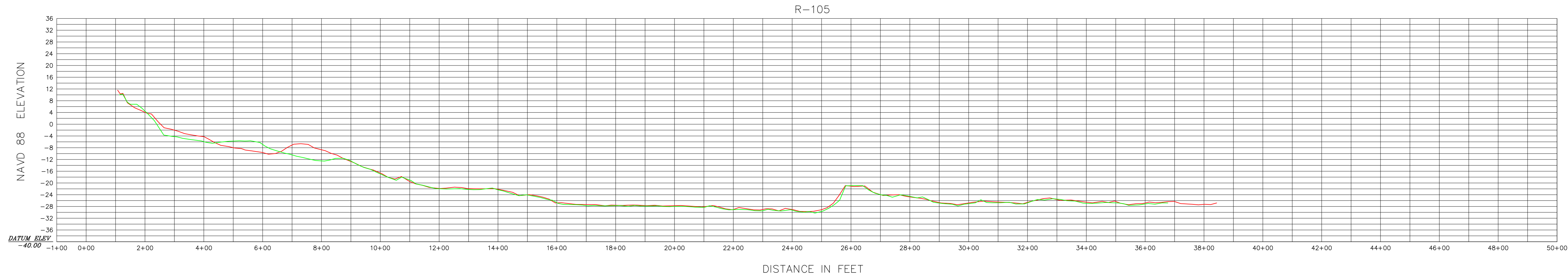
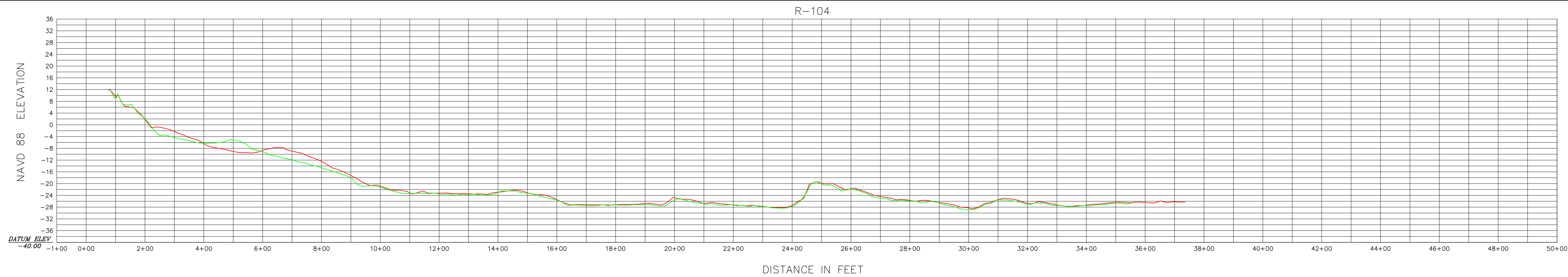
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FIELD BOOK
PAGE NO. SEE
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DATE OF SURVEY
11/7/2019

SHEET 43 OF 51



HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

VERTICAL SCALE 1" = 20'
INTENDED DISPLAY SCALE

LEGEND

NOVEMBER 2017
NOVEMBER 2019



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JOHN R. MORGAN II, PLS
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STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/18/2019

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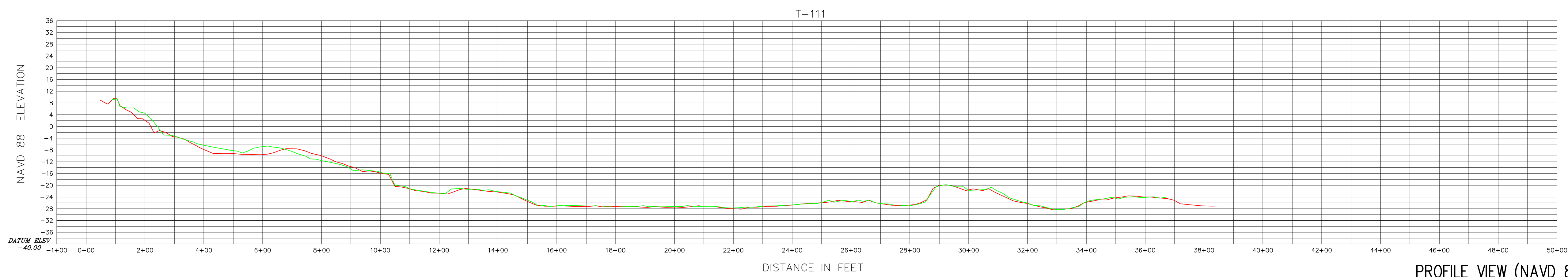
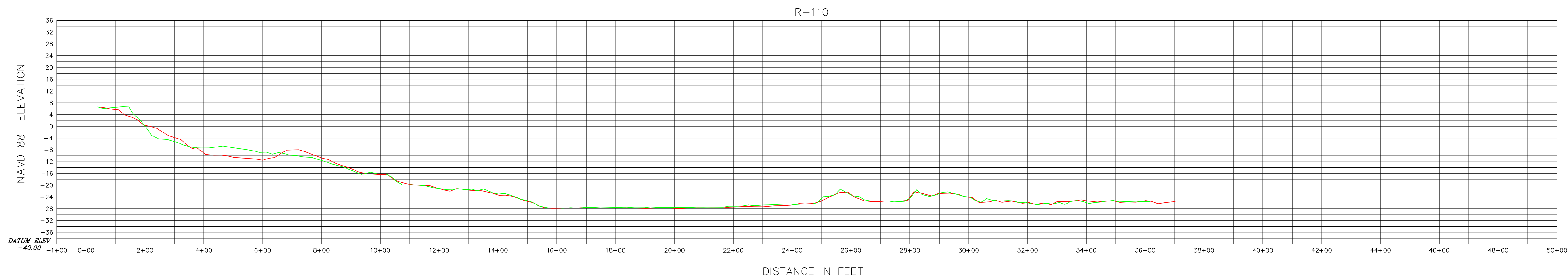
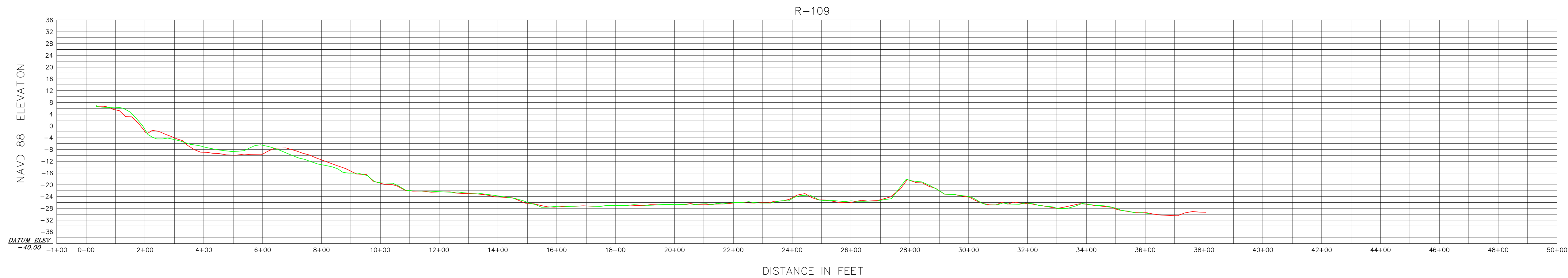
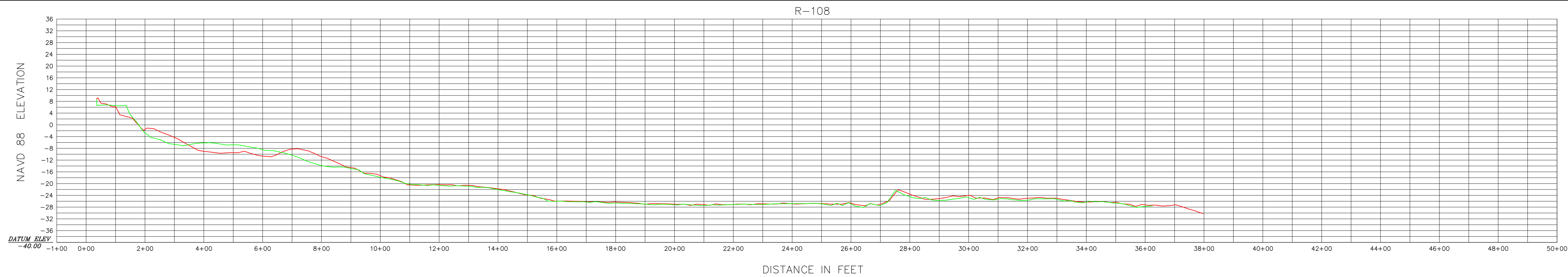
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FIELD BOOK
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11/7/2019

SHEET 44 OF 51



HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

VERTICAL SCALE 1" = 20'
INTENDED DISPLAY SCALE

LEGEND
— NOVEMBER 2017
— NOVEMBER 2019



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

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JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

COMMISSION NO.
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SCALE
1" = 200'

DATE
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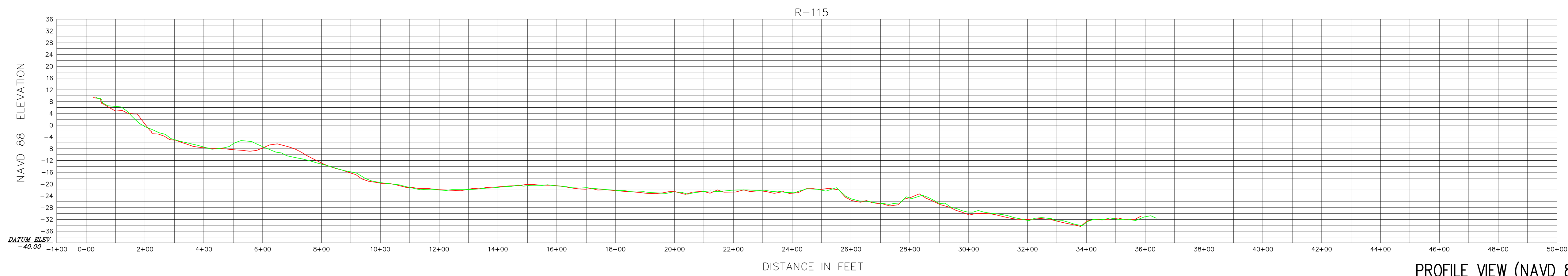
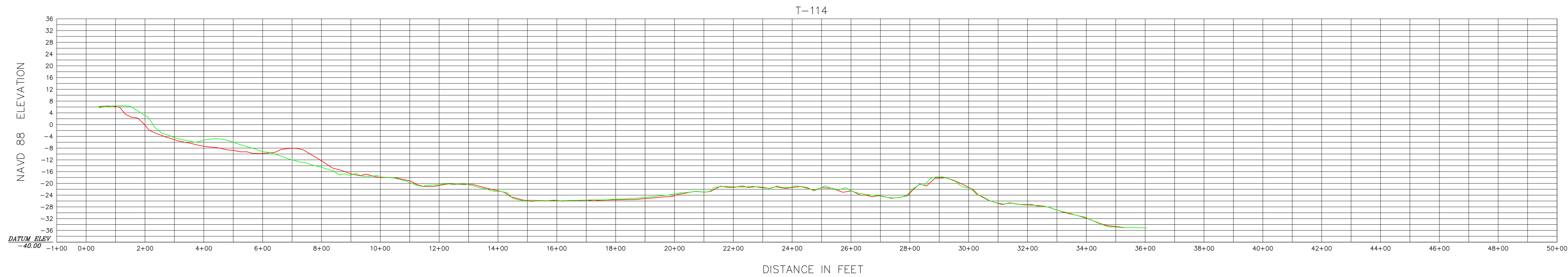
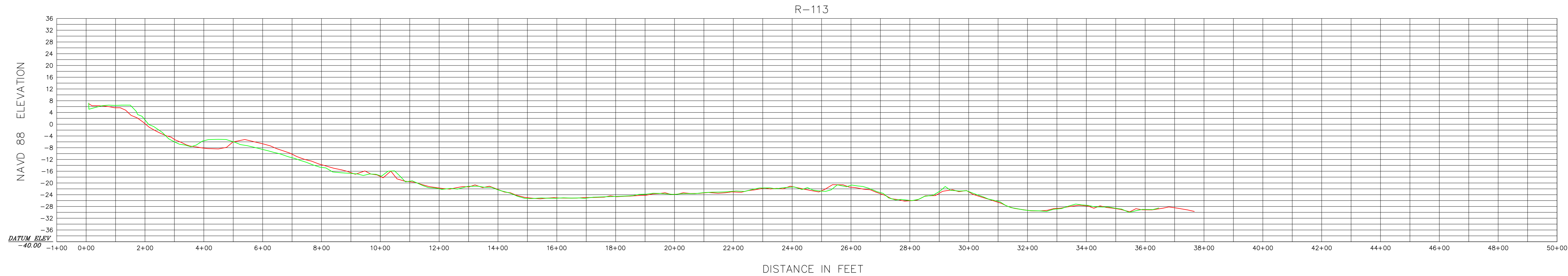
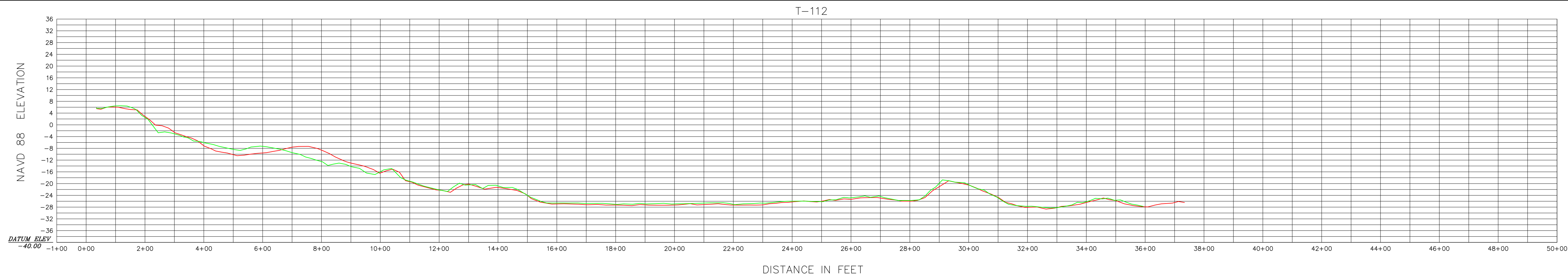
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FIELD BOOK
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DATE OF SURVEY
11/7/2019

SHEET 45 OF 51



HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

VERTICAL SCALE 1" = 20'
INTENDED DISPLAY SCALE

LEGEND
— NOVEMBER 2017
— NOVEMBER 2019



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STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
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COMMISSION NO.
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1" = 200'

DATE
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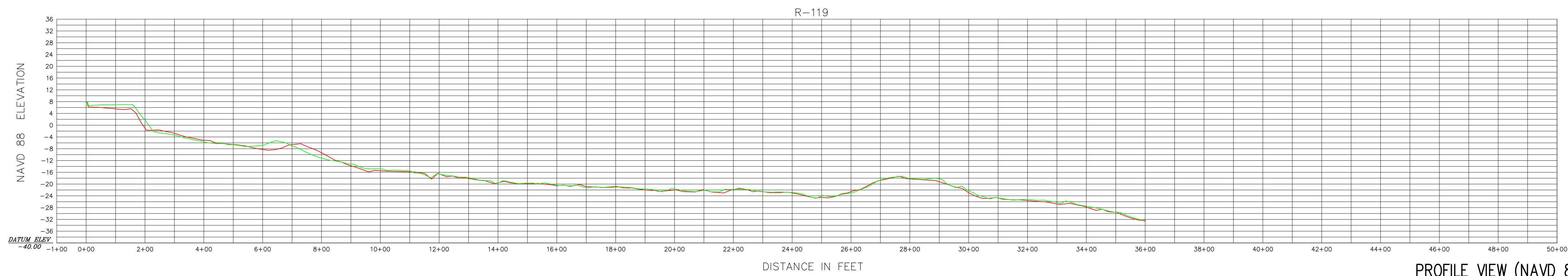
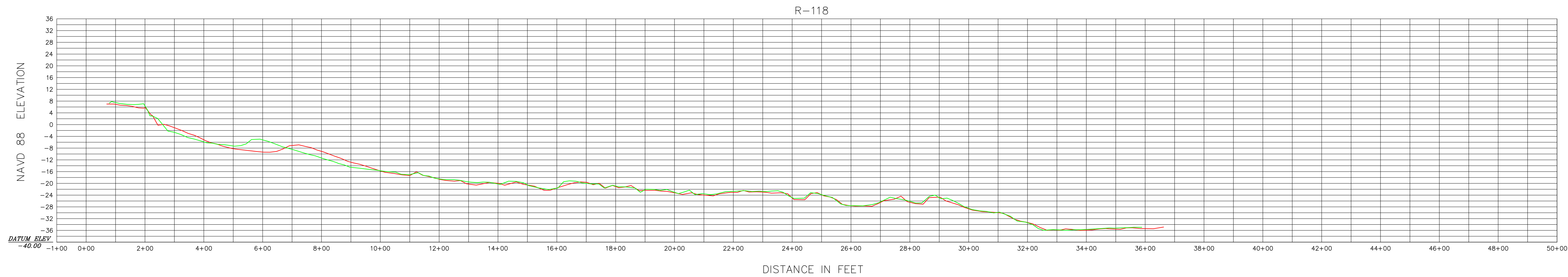
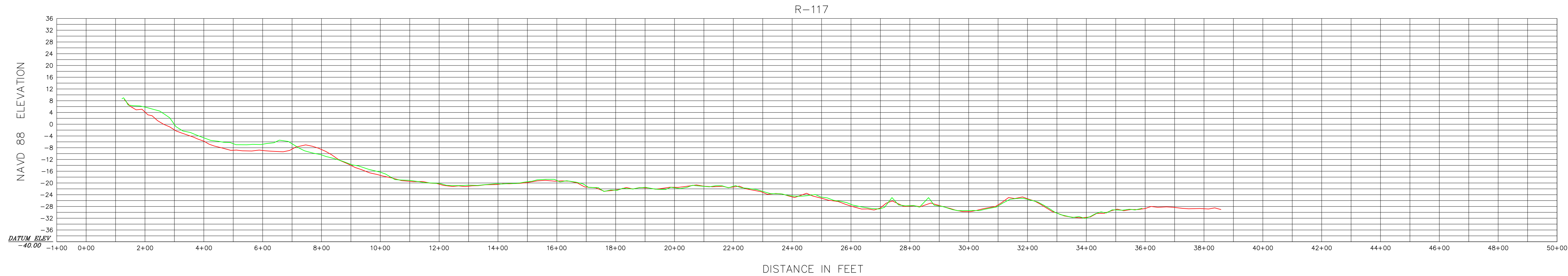
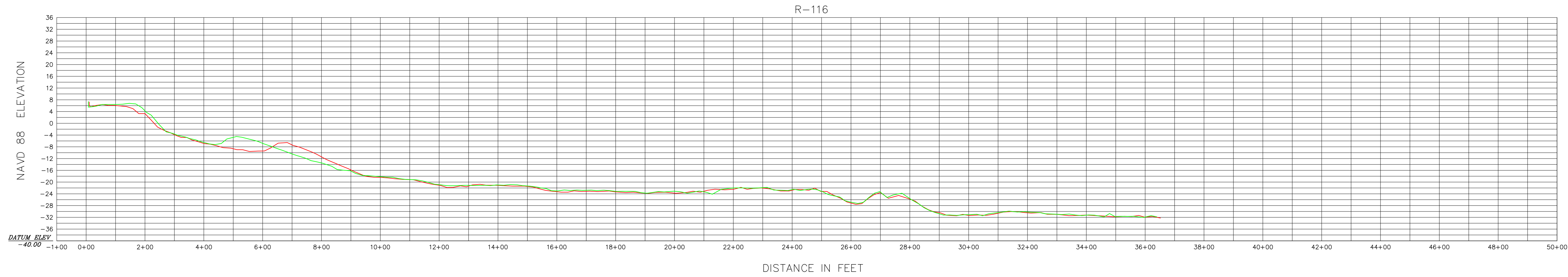
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DATE OF SURVEY
11/7/2019

SHEET 46 OF 51



0 200' 400'
HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

0 20' 40'
VERTICAL SCALE 1" = 20'
INTENDED DISPLAY SCALE

LEGEND

— NOVEMBER 2017
— NOVEMBER 2019



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BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
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COMMISSION NO.
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SCALE
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DATE
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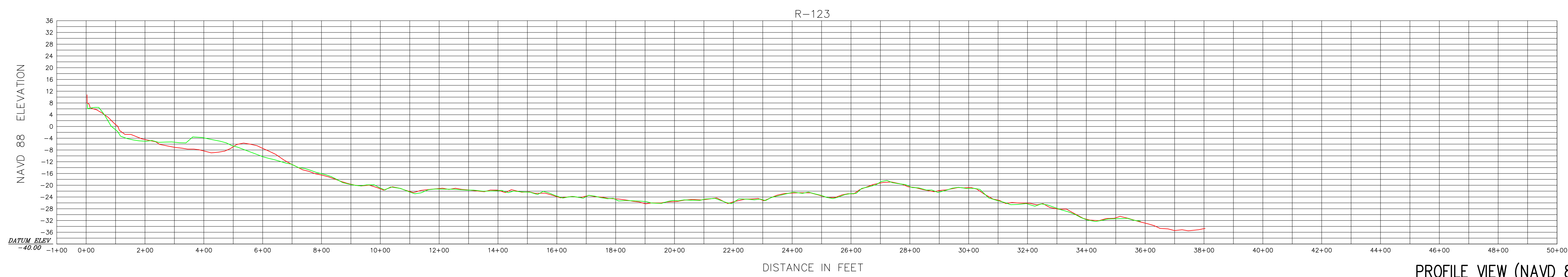
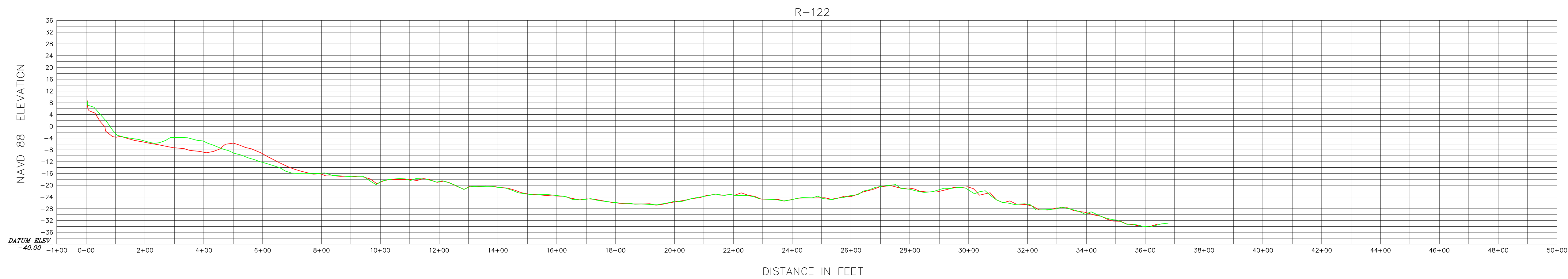
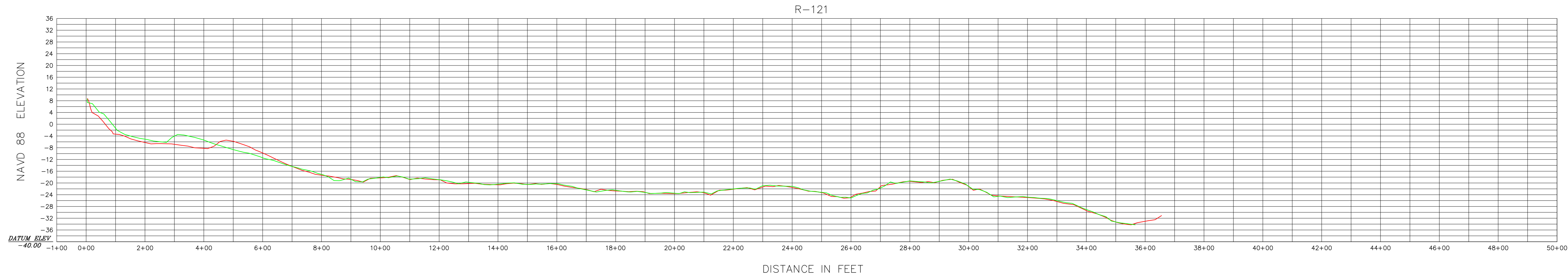
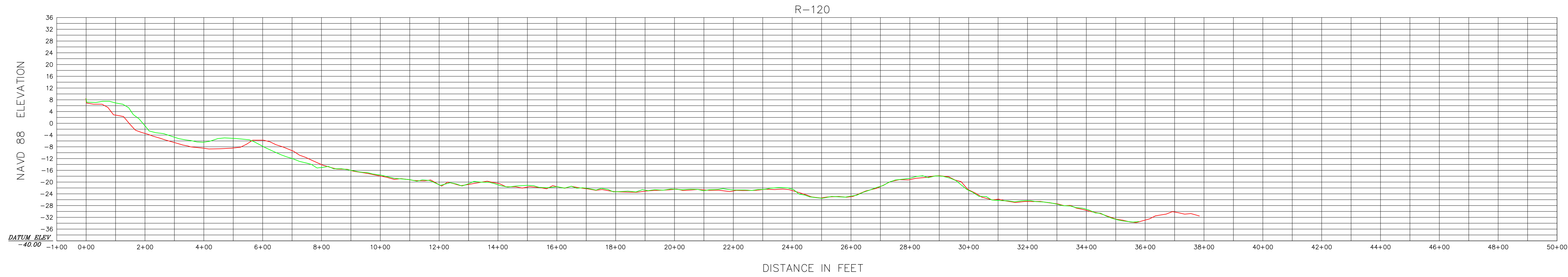
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11/7/2019

SHEET 47 OF 51



HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

VERTICAL SCALE 1" = 20'
INTENDED DISPLAY SCALE

LEGEND
— NOVEMBER 2017
— NOVEMBER 2019



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BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/18/2019

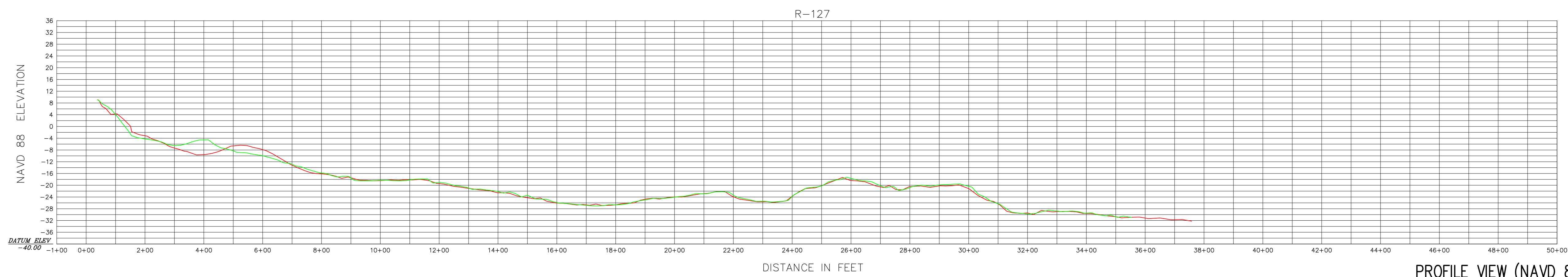
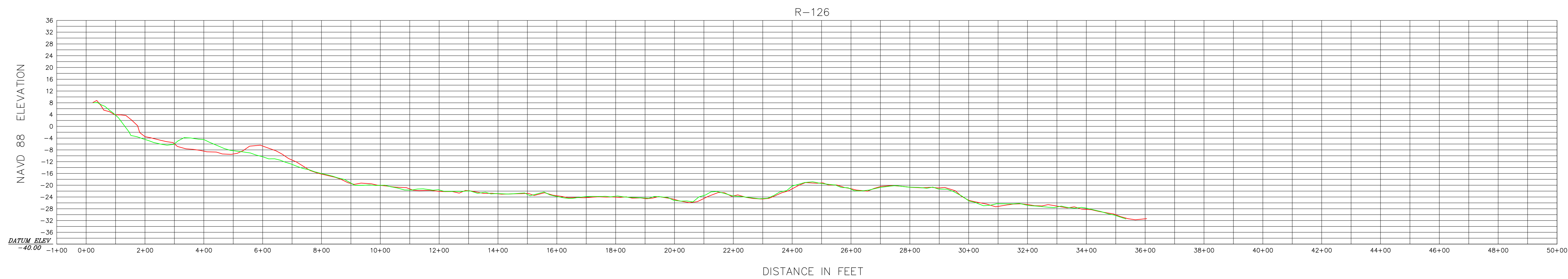
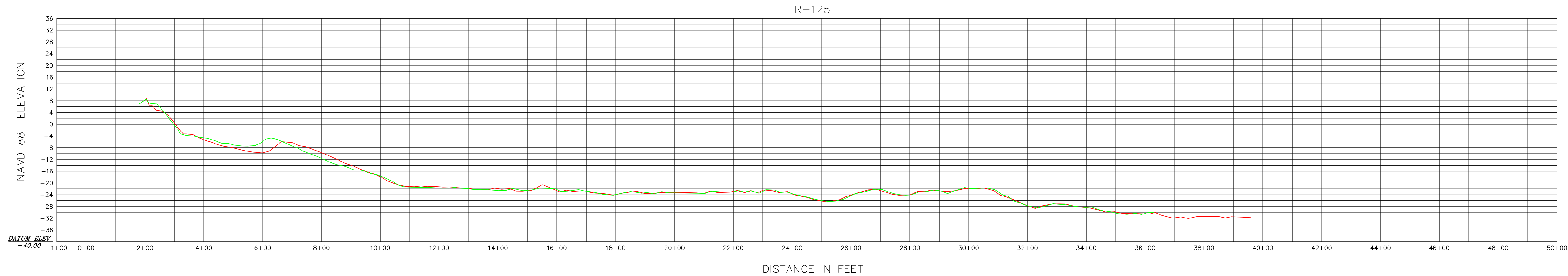
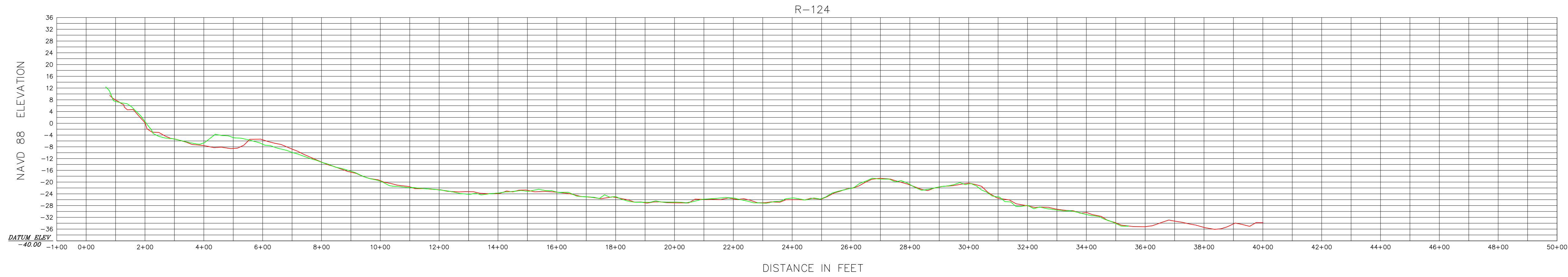
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JRM

FIELD BOOK
PAGE NO. SEE
COVER

DATE OF SURVEY
11/7/2019

SHEET 48 OF 51



HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

VERTICAL SCALE 1" = 20'
INTENDED DISPLAY SCALE

LEGEND

NOVEMBER 2017

NOVEMBER 2019



JOHN R. MORGAN II, PSM
FLORIDA CERTIFICATION #3520

Morgan & Eklund Inc.

PROFESSIONAL SURVEY CONSULTANTS

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FAX: (772) 388-3165

1612 NW 2ND AVENUE
SUITE 3
BOCA RATON, FL 33432
PHONE: (954) 421-6682
FAX: (954) 421-0425

LB #4298

CERTIFICATE OF SURVEYOR - I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS IN ACCORDANCE WITH A RECENT FIELD SURVEY MADE UNDER MY DIRECTION, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 6J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

PROFILE VIEW (NAVD 88)
TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
OLSEN ASSOCIATES, INC.

DRAWN BY
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FIELD BOOK
PAGE NO.

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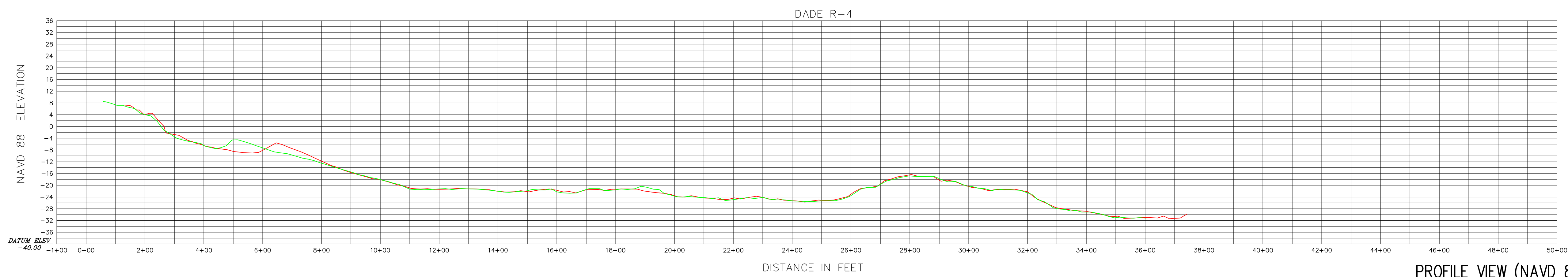
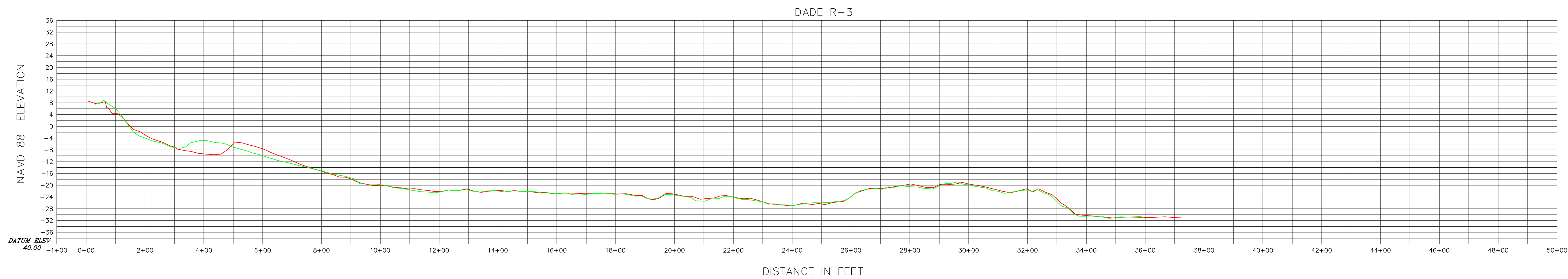
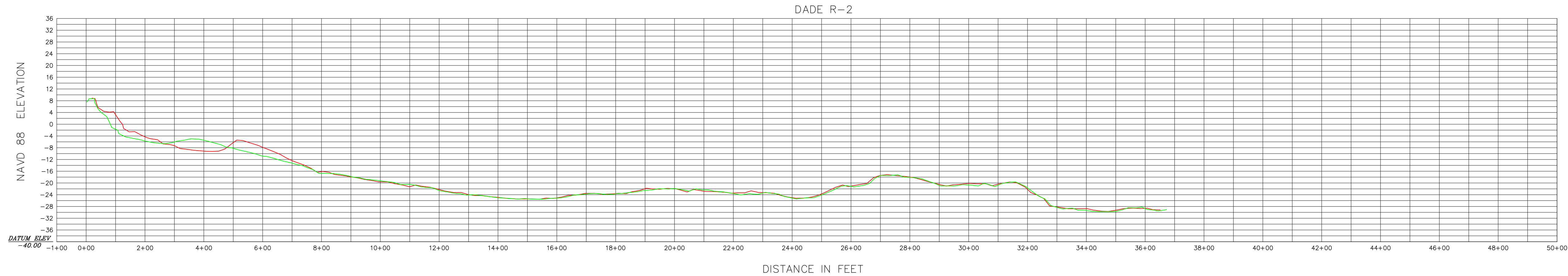
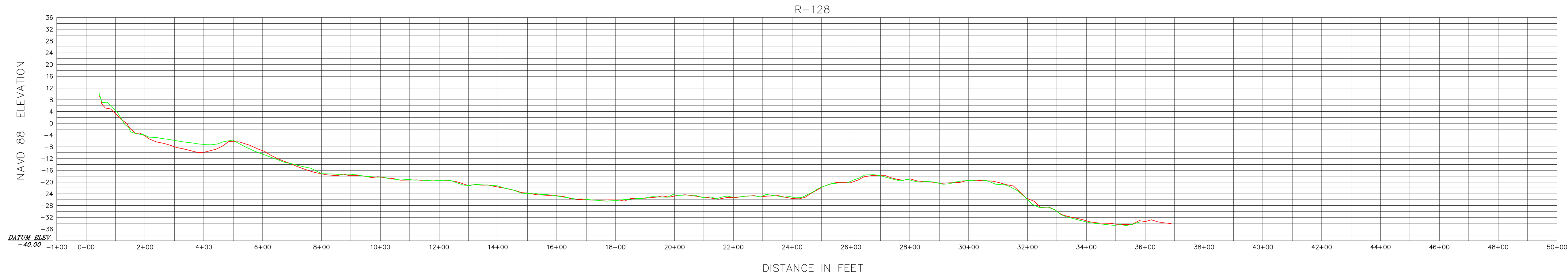
DATE OF SURVEY
11/7/2019

COMMISSION NO.
35657-2

SCALE
1" = 200'

DATE
11/18/2019

SHEET 49 OF 51



HORIZONTAL SCALE 1" = 200'
INTENDED DISPLAY SCALE

VERTICAL SCALE 1" = 20'
INTENDED DISPLAY SCALE

LEGEND
— NOVEMBER 2017
— NOVEMBER 2019



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TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
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SCALE
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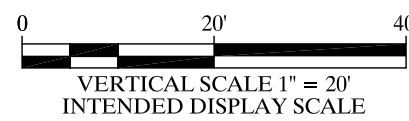
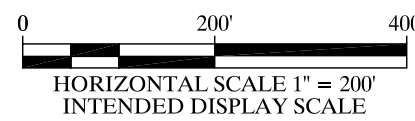
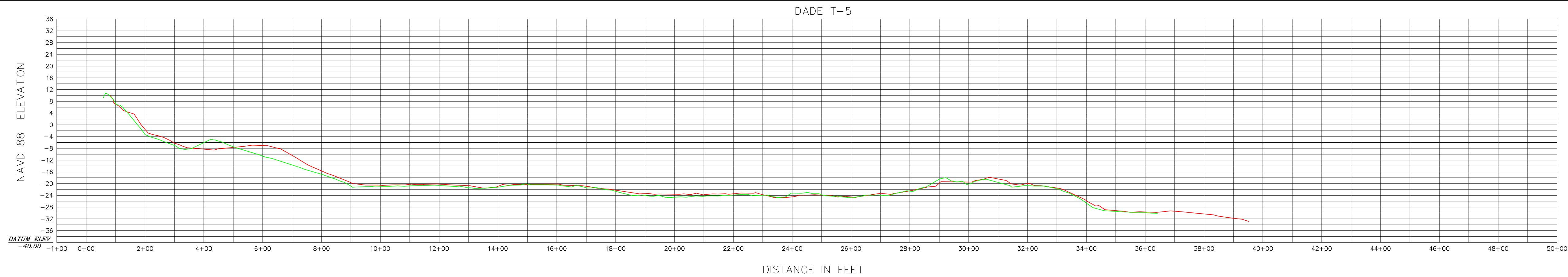
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DATE OF SURVEY
11/7/2019

SHEET 50 OF 51



LEGEND

— NOVEMBER 2017

— NOVEMBER 2019



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JOHN R. MORGAN II, PLS
PROFESSIONAL LAND SURVEYOR #3520
STATE OF FLORIDA

PROFILE VIEW (NAVD 88)

TOPOGRAPHIC AND HYDROGRAPHIC SURVEY
BROWARD COUNTY POST-DORIAN BEACH MONITORING
BROWARD COUNTY R-25 THROUGH DADE R-5
- FOR -
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11/7/2019

SHEET 51 OF 51

Section 2

Survey Report

**Survey Report
Broward County
2019 Coastal Monitoring Survey
Onshore/Offshore R-25 to R-128
And Dade County R-2 to R-5**

- Location of Work:** This submittal is for the Broward County shore protection monitoring profiles along FDEP ranges R-25 to R-128 and Dade County R-2 to R-5.
- Date of Work:** The monitoring survey was performed in 2019. The onshore data was collected between October 7, 2019 and November 8, 2019. The offshore data was collected on October 23 through November 1, 2019.
- Scope of Work:** Onshore profiles were collected along the alignments as shown in the control tabulation using Real-Time Kinematic GPS, differential leveling for elevation and a hand-held laser for stationing.
- Offshore profile data collection was performed to FDEP specifications using Real-Time Kinematic GPS, Hypack Navigation Software, an Odom CVM Digital Echosounder and TSS Motion Compensator.
- Horizontal Datum:** Coordinate values are referenced to the Florida State Plane Coordinate System, East Zone, North American Datum of 1983/90 (NAD 83/90).
- Vertical Datum:** Elevation values are referenced to the North American Vertical Datum of 1988 (NAVD 88).
- Horizontal Control:** a) Coordinate values for the FDEP range monuments were supplied by FDEP and verified by RTK/GPS during a previous survey.
- b) Where FDEP R-monuments were not found, RTK/GPS was used to set control along the profile alignment. Two hubs were set on each line along the published profile azimuth to assure the accuracy of the stations and elevations on each profile line.
- Where FDEP R-monuments were found the alignment stakes for the profile lines were installed along the published grid bearing using the RTK/GPS system or using a magnetic bearing adjusted for magnetic declination.
- Stations (ranges) along the profile lines were measured with a hand held laser ($\pm 0.5'$).

c) The positioning for the offshore portion of the profile line relied on Real-time Kinematic GPS, with the GPS base station receiver base set on (see table).

Set – up	Point		Check in
Oct. 23, 2019	426	M&E IRC	404 M&E IRC
Oct. 31, 2019	290	M&E IRC	291 M&E PKD
Nov. 1, 2019	431	M&E IRC	R-119 DNR CM

- Vertical Control:**
- a) Elevation values for the FDEP range monuments were supplied by FDEP and verified during a previous survey (see control sheet).
 - b) Elevations for the onshore profile line were based on the two RTK/GPS points set on line or from the range monuments value supplied by FDEP and verified during a previous survey.
 - c) Elevations for the offshore portion of the profile lines for the project area relied on Real-time Kinematic tide files and were verified with a tide staff set at:

Date	Point	Elevation (NAVD 88)
Oct. 23, 2019	426 M&E IRC	9.29
Oct. 31, 2019	291 M&E SPKD	9.98
Nov. 1, 2019	R-119 DNR CM	7.57

All staff installations, leveling and bathymetric surveys conformed to the FDEP specifications and the standards of practice as set forth by the Florida Board of Professional Land Surveyors in Chapter 5J-17, F.A.C.

The fathometer was calibrated at the beginning and end of each survey day using a “bar check” to compensate for variations of the speed of sound in water together with the calibration of the vessel for squat, settlement, and draft.

Section 3

QA-QC Report

Survey Procedures / Quality Control Plan
Broward County
2019 Coastal Monitoring Survey
Onshore/Offshore R-25 to R-128
And Dade County R-2 to R-5

I. Research and obtain current FDEP range monument designations, coordinates, elevations and azimuths

- a). Obtain hard copies and digital files of most recent aerial photography from FDEP
- b). Obtain hard copies and digital files for FDEP range monument designations, coordinates and azimuths
- c). Plot FDEP monuments on digital images with profile alignments

II. Reconnaissance of FDEP range monuments

- a). Upload monument coordinates into Garmin Handheld GPS unit
- b). Using aerials, to reach descriptions, and Garmin Handheld GPS unit, navigate to FDEP monument and record designation, (i.e. stamping)
- c). Set profile alignment range stakes landward and seaward of FDEP monument using published grid azimuth when missing from previous year's survey

III. Verification of Monument Control

Verification of FDEP published coordinates and elevations using RTK / GPS was performed during previous surveys.

IV. Collect station/elevation data along profile lines

- a). The beach profile crew measured the elevations along the profile alignment at 25' intervals and breaks in slope from the monument out to -6 feet NAVD 88. Data was also collected along the profile line from the monument landward to building line, roadway or dense vegetation (up to 200' west of monument).
- b). The elevation data was obtained using an automatic level, and fiberglass rod. A laser was used to obtain station measurements from the monument to the rod.
- c). When the profile line was complete, the level loop was closed from the beach back to the FDEP monument using differential leveling.
- d). The beach profile extended about 300' into the water to allow for overlap with the offshore profile obtained using the survey boat

V. Offshore Profiles

a). Horizontal Positioning

The horizontal positioning for the hydrographic survey relied upon Real-time Kinematic GPS.

Morgan & Eklund, Inc. utilized our 26' Parker survey vessel, Trimble SPS 852 Real-Time Kinematic correction receiver, Odom CVM Digital Survey Fathometer, TSS Motion Compensator and Hypack Navigation Software for data collection. Our firm has extensive land and hydrographic survey capabilities, experienced personnel and specialized equipment necessary to perform this extensive survey in a timely, cost effective manner. Calibration of the fathometer (depth sounder) involved adjusting for vessel squat and settlement while underway, vessel draft, and the speed of sound in water. (bar check) Both analog and digital fathometer readings were calibrated at the beginning and end of each survey day and after replacing paper charts.

b). Soundings

Prior to the start of the hydrographic survey, the survey fathometer was calibrated using a "bar check". A metal plate was suspended by cables in the water column below the fathometer transducer at varying depths giving a reading on both the analog chart and digitizer. This absolute depth was used to calibrate the fathometer for speed of sound in that particular body of water, since the depth displayed will be affected by the density of the water, (i.e., temperature, salinity, turbidity, etc.)

c). Water Surface Elevations

Water surface elevations were measured by RTK/GPS. A tide staff was also set in the survey area which was monitored during the bathymetric survey. The tide staff serves as a check on vertical accuracy of the Real-Time Kinematic and as a back-up to the RTK/GPS tide file. All leveling, and bathymetric surveys conform to the FDEP specifications, the U.S. Army Corps of Engineers Hydrographic Survey Manual and the Florida standards of practice.

d). Offshore Data Collection

1. The survey boat was navigated along each transect using the steering indicator in Hypack and the coordinates and depth soundings were simultaneously collected every 25 feet along the profile line
2. Our digital survey fathomer collected readings to the nearest 0.1 foot. The resultant accuracy of the bottom elevations (i.e., from leveling to gauge, gauge accuracy, positional accuracy, and sounding accuracy) should be within ± 0.5 foot as stipulated in the FDEP specifications

VI. Data Reduction/Plotting/Drafting

1. The bathymetric survey data is stored in xyz format by Hypack Navigation Software and will be downloaded onto a CD at the end of each survey day. All of the water surface elevations are referenced to NAVD 88 and those tidal stage elevations will be used to reduce the soundings to bottom elevations. The entire survey data set was plotted by x, y coordinates (NAD 83/90) and bottom elevations, z, (referenced to NAVD 88) in plan and profile views.
2. The onshore and offshore profile data sets were plotted in cross sectional view in two distinct colors to check the nearshore overlap and look for any horizontal or vertical offsets that may have occurred.
3. Once the onshore and offshore profile data sets are merged, we plotted the current FDEP profile line together with the most recent data set from FDEP, the USCOE or M&E as a further confirmation of our current data set.

FDEP Profile Quality Control Procedures

To Verify	Procedure
1. Monument designation	Digital photo, record stamping
2. Monument elevation	RTK / GPS, other observations (COE, etc.)*
3. Monument coordinates	RTK / GPS, other observations (COE, etc.)*
4. Profile alignment	RTK / GPS*
5. Onshore profile stations	a). Laser measurements b). Offshore profile overlap with onshore
6. Onshore profile elevations	a). Closed bench loop, beach to monument b). Offshore profile overlap with onshore
7. Offshore positioning	a). DGPS position check b). Onshore overlap with offshore c). Check profile between survey days
8. Tide measurements	a). Closed bench loop b). Staff vs. RTK c). Predicted tides d). Check profile between survey days
9. Depth soundings	a). Squat, settlement, draft calibration of vessel b). Bar check calibration of fathometer c). Check profile between survey days
10. Final profile view	a). Onshore / offshore overlap b). Comparative profile with past data set c). Plot plan view data on aerial images d). Check profile between survey days

* Denotes previous survey

Section 4

Control Tabulation

FDEP GIVEN CONTROL	NAD 83/90	SPCS 0901	NORTH	NAVD 88	US SURVEY FEET	
MON ID M. DATE	NORTHING	EASTING	AZIMUTH	M. ELEV.	STAMPING	
R-025	FEB1974	700560.06	956907.33	163°	8.42	R 25 BROWARD CO 74
R-026	JUN1993	699806.36	956396.65	100°	5.48	R-26 BROW 1993
R-027	FEB1974	698811.28	956212.93	100°	7.70	R 27 BROWARD CO 74
R-028	FEB1974	697775.61	955977.64	100°	8.39	R 28 BROWARD CO 74
R-029	FEB1974	696944.93	955799.42	100°	9.43	R 29 BROWARD CO 74
R-030	FEB1974	695954.55	955570.20	100°	11.42	R 30 BROWARD CO 74
R-031	FEB1974	695014.44	955333.31	100°	13.34	R 31 BROWARD CO 74
R-032	FEB1974	693840.74	955007.93	100°	12.18	R 32 BROWARD CO 74
T-033	OCT1976	693066.06	954881.40	100°	11.61	BRO T 33 76
R-034	FEB1974	692030.87	954716.39	100°	11.70	R 34 BROWARD CO 74
R-035	FEB1975	691021.54	954636.41	100°	10.60	BROWARD R35
R-036	FEB1974	689877.00	954584.86	100°	10.97	R 36 BROWARD CO 74
R-037	AVS1983	688988.91	954533.70	100°	10.76	R-37 RESET STA. A.V.S.
R-038	FEB1974	688046.92	954533.45	100°	10.35	R 38 BROWARD CO 74
R-039	COE1979	687092.65	954480.17	100°	8.31	R-39 BROWARD RESET 1979 COE
R-040	AVS1983	686062.05	954256.41	100°	10.64	R-40 RESET STA. A.V.S.
R-041	FEB1974	685179.24	954159.51	100°	12.11	R 41 BROWARD CO 74
T-042	OCT1976	684192.89	954009.89	100°	9.76	BRO T 42 76
R-043	FEB1974	683180.23	953807.57	100°	8.83	R 43 BROWARD CO 74
R-044	AVS1983	682367.17	953652.96	100°	11.79	R-44 RESET STA. A.V.S.
R-045	FEB1974	681216.86	953413.50	100°	9.44	R 45 BROWARD CO 74
R-046	COE1979	680304.28	953388.19	100°	7.06	R46 RESET 1979 JAX FLA
R-047	FEB1974	679657.61	953221.49	100°	10.98	R 47 BROWARD CO 74
R-048	MAR1993	678388.23	953070.34	100°	10.92	R-48 BROW 1993
R-049	MAR1993	677260.43	952972.07	100°	9.09	R-49 BROW 1993
R-050	FEB1974	676133.90	952949.58	100°	10.48	R 50 BROWARD CO 74
R-051	DEP1996	675262.25	952892.18	100°	10.02	R-51 BROWARD CO 1996
T-052	OCT1976	674202.76	952717.37	100°	8.29	T 52 BRO 76
R-053	FEB1974	673343.54	952654.57	100°	9.06	R 53 BROWARD CO 74
R-054	FEB1974	672252.19	952558.47	100°	9.50	R 54 BROWARD CO 74
R-055	FEB1974	671251.59	952420.30	100°	11.11	R 55 BROWARD CO 74
R-056	FEB1974	670330.90	952245.20	90°	11.42	R 56 BROWARD CO 74
R-057	FEB1974	669349.13	952119.67	90°	10.92	R 57 BROWARD CO 74
R-058	DEP1996	668216.21	952018.18	95°	11.67	R-58 BROWARD CO 1996
R-059	FEB1993	667325.03	951973.93	100°	9.13	R-59 BROW 1993
R-060	FEB1974	666339.29	951818.49	105°	13.68	R 60 BROWARD CO 74
R-061	DEP1992	665361.02	951633.78	95°	10.29	R-61 BROWARD CO 1992
R-062	FEB1974	664340.60	951389.38	105°	9.73	R 62 BROWARD CO 74
R-063	SSC1998	663546.19	951370.17	100°	8.03	T63 RESET 1998
R-064	DEP1995	662333.18	951222.17	100°	8.82	R64 BROWARD 1995
R-065	SSC1997	661391.18	951086.17	100°	5.77	R65 BROWARD CO RESET
R-066	SSC1997	660411.17	950953.17	100°	5.42	R66 BROWARD CO RESET
R-067	SSC1997	659430.17	950798.17	100°	5.81	R67 BROWARD CO RESET
R-068	OCT1992	658374.64	950546.68	100°	10.98	R-68 BROWARD CO 1992
T-069	OCT1976	657395.91	950459.47	100°	10.51	BRO T 69 76
R-070	SSC1997	656481.15	950460.17	100°	5.94	R70 BROWARD CO RESET 1997
R-071	JAN1993	655346.21	950336.85	100°	6.77	R-71 BROW 1993
R-072	JAN1993	654440.05	950315.76	95°	6.70	R-72 BROW 1993
R-073	JAN1993	653289.58	950314.69	95°	7.22	R-73 BROW 1993
R-074	JAN1993	652407.49	950236.76	100°	10.15	R-74 BROW 1993
R-075	JAN1993	651308.91	950101.31	100°	9.87	R-75 BROW 1993
R-076	JAN1993	650345.29	949992.36	100°	9.81	R-76 BROW 1993
R-077	JAN1993	649163.14	949936.98	100°	9.84	R-77 BROW 1993
R-078	FEB1975	648132.29	949927.83	100°	12.14	BROWARD R 78 75
T-079	SSC1998	647083.10	949738.16	100°	13.34	T79 1998
R-080	MAR1993	645961.94	949773.07	95°	9.95	R-80 BROW 1993
R-081	MAR1993	644879.95	949776.41	95°	14.28	R-81 BROW 1993
R-081.3	-----	644532.42	949784.06	90°	----	NO MONUMENT
R-081.7	-----	644169.54	949690.79	90°	----	NO MONUMENT
R-082	FEB1974	643844.07	949652.18	90°	8.48	R 82 BROWARD CO 74
R-082.3	-----	643508.03	949643.62	90°	----	NO MONUMENT
R-082.7	-----	643161.43	949656.89	90°	----	NO MONUMENT
R-083	FEB1974	642824.95	949541.75	90°	9.15	R 83 BROWARD CO 74
R-083.3	-----	642524.68	949359.40	90°	----	NO MONUMENT
R-083.7	-----	642231.75	949360.66	90°	----	NO MONUMENT
R-084	FEB1975	641935.19	949602.30	90°	7.65	BROWARD R 84 75
R-084.3	-----	641674.13	949616.41	90°	----	NO MONUMENT
R-084.7	-----	641320.90	949771.21	90°	----	NO MONUMENT
R-085	FEB1974	641502.82	948960.91	140°	7.49	R 85 BROWARD CO 74
R-085.7	-----	640252.80	948858.70	94°	----	NO MONUMENT
R-086	FEB1974	640143.73	948820.87	94°	8.36	R 86 BROWARD CO 74
R-086.3	-----	639870.89	948625.87	94°	----	NO MONUMENT
R-086.5	-----	639702.37	948505.43	94°	----	NO MONUMENT
R-086.7	-----	639464.73	948472.87	94°	----	NO MONUMENT
R-087	JUN1993	639264.76	948244.55	94°	10.21	87
R-087.2	-----	638971.87	948422.71	94°	----	NO MONUMENT
R-087.5	-----	638754.17	948408.58	94°	----	NO MONUMENT
R-087.7	-----	638512.54	948277.93	94°	----	NO MONUMENT
T-088	JUN1993	638270.61	948146.63	94°	5.59	BRO T 88 76 1993
R-088.2	-----	637998.43	948240.06	94°	----	NO MONUMENT
R-088.5	-----	637725.16	948333.86	94°	----	NO MONUMENT
T-089	OCT1976	637228.18	948179.65	94°	3.66	BRO T 89 76
R-089.5	-----	636703.79	948201.91	94°	----	NO MONUMENT
T-090	OCT1976	636251.49	948150.43	94°	4.34	T-90 BROWARD
R-090.5	-----	635732.59	948245.34	94°	----	NO MONUMENT
T-091	OCT1976	635229.24	948176.27	94°	6.98	BRO T 91 76
R-091.5	-----	634704.55	948270.84	94°	----	NO MONUMENT
R-092	FEB1974	634194.55	948139.82	94°	6.65	R 92 BROWARD CO 74
R-092.5	-----	633673.54	948200.18	94°	----	NO MONUMENT

FDEP GIVEN CONTROL		NAD 83/90	SPCS 0901	NORTH	NAVD 88	US SURVEY FEET
MON ID	M. DATE	NORTHING	EASTING	AZIMUTH	M. ELEV.	STAMPING
R-093	FEB1974	633158.94	948026.91	94°	6.06	R 93 BROWARD CO 74
R-094	FEB1974	632194.92	947945.80	94°	8.02	R 94 BROWARD CO 74
R-095	FEB1974	631243.86	947858.61	92°	7.90	R 95 BROWARD CO 74
R-096	FEB1974	630255.39	947832.78	92°	7.62	R 96 BROWARD CO 74
T-097	OCT1976	629304.02	947681.19	92°	6.63	BRO T 97 76
R-098	JAN1993	628227.34	947706.96	100°	8.21	R-98 BROW 1993
R-099	JAN1993	627278.34	947751.54	100°	5.22	R-99 BROW 1993
R-100	FEB1974	626288.05	947679.08	100°	6.08	R 100 BROWARD CO 74
R-101	CPE1991	625146.19	947568.10	95°	8.35	CPE T 101 91
T-102	OCT1976	624152.00	947410.23	95°	8.35	BRO T 102 76
R-103	FEB1974	623137.76	947279.73	95°	8.67	R 103 BROWARD CO 74
R-104	FEB1974	622113.68	947184.88	95°	8.51	R 104 BROWARD CO 74
R-105	NOV1985	621126.66	947101.17	95°	9.19	R-105 BROWARD CO RESET 00 1985
R-106	FEB1974	620134.01	947069.52	95°	7.71	R 106 BROWARD CO 74
R-107	FEB1974	619169.99	946989.61	95°	8.17	R 107 BROWARD CO 74
R-108	FEB1974	618139.58	946957.08	95°	8.45	R 108 BROWARD CO 74
R-109	JUN1993	617100.93	946892.75	95°	7.77	R-109 BROW 1993
R-110	FEB1974	616034.13	946828.38	95°	7.56	R 110 BROWARD CO 74
T-111	OCT1976	615040.41	946779.88	95°	7.78	BRO T 111 76
T-112	OCT1976	614013.01	946730.33	95°	5.83	BRO T 112 76
R-113	JUN1993	613081.90	946708.70	95°	5.62	R-113 BROW 1993
T-114	OCT1976	612110.91	946635.31	95°	6.37	BRO T 114 76
R-115	CPE1992	611059.81	946625.00	95°	6.28	C.P.E. 115.0 1+10
R-116	SSC1996	610055.90	946561.14	95°	6.18	-----
R-117	CPE1991	609066.25	946441.46	95°	7.31	MON R 117 STA0+0
R-118	JUN1993	607985.22	946368.23	95°	8.22	R-118 BROW 1993
R-119	FEB1974	606982.25	946382.00	95°	7.57	R 119 BROWARD CO 74
R-120	APR1980	605867.57	946307.93	95°	8.79	R-120-T BROWARD RESET 1980
R-121	FEB1974	604782.47	946274.09	95°	6.81	R 121 BROWARD CO 74
R-122	FEB1974	603784.49	946211.88	95°	8.69	R 122 BROWARD CO 74
R-123	FEB1974	602768.51	946132.24	95°	7.32	R 123 BROWARD CO 74
R-124	CPE1991	601672.84	945912.14	95°	11.19	C.P.E. R124 0+0
R-125	SSC1997	600600.84	945729.14	95°	6.35	R-125 BROWARD CO RESET 1997
R-126	DEP1996	599589.84	945861.14	95°	7.66	R-126 BROWARD CO RESET 1996
R-127	FEB1974	598574.99	945781.25	95°	7.21	R 127 BROWARD CO 74
R-128		597641.63	945749.61	95°	7.95	R 128 BROWARD CO 74 R1 DADE CO
R-2	OCT1974	596602.09	945772.70	95°	7.44	DADE CO R 2 74
R-3	OCT1974	595501.05	945700.93	95°	14.93	DADE CO R 3 74
R-4	DEC1991	594436.43	945582.99	95°	11.36	R-4 DADE CO 1991
T-5	AUG1978	593357.48	945615.86	95°	11.79	T-5 DADE CO 78

Section 5

ASCII FDEP Format File

BROWARD COUNTY MONITORING SURVEY, NAD 83/90 SPCS 0901 NAVD88
R-025 700560.06 956907.33 163.0 8.42
230CT19 230CT19 217 00 30 187

007.49	9.10	012.41	9.50	016.79	9.00	023.66	9.10	029.52	9.20
033.71	3.40	039.99	2.20	054.89	0.30	070.00	-1.80	089.00	-2.00
106.00	-2.20	124.00	-2.70	145.00	-3.30	157.00	-3.60	178.00	-4.30
200.00	-5.10	202.00	-5.70	220.00	-6.00	240.00	-6.30	260.00	-6.80
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365.00	-8.30	381.00	-8.60	397.00	-9.00	412.00	-9.20	431.00	-9.80
458.05	-10.50	484.07	-11.10	509.84	-11.60	535.62	-11.90	569.72	-11.90
594.69	-11.80	627.77	-11.70	652.92	-11.40	677.14	-11.40	709.44	-10.30
747.82	-9.90	778.16	-9.60	800.20	-9.50	822.03	-9.40	844.29	-9.50
881.00	-9.90	903.19	-9.60	947.54	-9.80	969.72	-9.80	991.31	-9.90
1020.30	-10.00	1048.47	-9.90	1069.52	-9.70	1097.51	-9.60	1125.45	-9.60
1153.47	-9.10	1174.46	-8.80	1203.36	-8.20	1231.87	-7.90	1253.65	-7.30
1276.76	-7.70	1299.30	-7.40	1320.73	-6.90	1342.68	-6.70	1370.93	-6.50
1395.41	-6.30	1422.29	-6.40	1442.45	-6.30	1463.96	-5.90	1483.84	-5.90
1506.76	-5.10	1527.03	-5.00	1548.18	-5.20	1568.28	-5.20	1597.02	-5.40
1630.38	-6.30	1655.86	-7.50	1674.10	-8.10	1700.44	-9.10	1718.59	-9.60
1754.42	-10.70	1773.09	-10.70	1800.71	-10.70	1819.49	-10.60	1837.84	-10.60
1856.23	-10.40	1874.45	-10.50	1919.15	-10.10	1937.62	-9.90	1964.80	-10.80
1991.26	-10.90	2027.59	-11.30	2091.26	-10.50	2109.34	-10.20	2127.93	-10.20
2145.94	-9.80	2190.29	-9.20	2216.59	-9.80	2251.33	-10.10	2269.36	-10.30
2287.43	-10.60	2314.23	-11.10	2341.07	-11.40	2367.24	-11.60	2393.79	-11.40
2420.07	-12.00	2446.41	-12.40	2473.65	-12.70	2509.63	-13.30	2528.20	-12.90
2554.29	-13.30	2573.06	-13.70	2591.35	-13.30	2618.35	-13.50	2645.25	-13.80
2671.98	-13.30	2698.09	-14.00	2716.34	-14.00	2751.53	-14.20	2770.04	-13.70
2788.15	-14.30	2823.43	-14.40	2850.49	-14.70	2886.39	-14.50	2912.96	-14.90
2931.10	-15.30	2949.12	-16.70	2993.42	-16.30	3021.13	-16.60	3048.18	-17.20
3074.84	-17.60	3119.01	-18.30	3137.35	-18.50	3155.64	-19.50	3181.97	-20.50
3200.32	-20.60	3219.08	-21.00	3237.19	-21.80	3284.95	-23.40	3304.10	-23.80
3323.96	-23.90	3352.02	-24.10	3372.19	-24.20	3401.65	-24.40	3421.58	-24.50
3451.28	-24.60	3480.81	-24.80	3500.66	-24.90	3520.79	-25.20	3540.40	-25.30
3560.03	-25.60	3580.24	-25.90	3599.78	-26.20	3619.63	-26.40	3639.27	-26.70
3659.42	-27.00	3679.67	-27.30	3698.95	-27.50	3718.74	-27.80	3749.33	-28.00
3768.49	-28.20	3788.22	-28.60	3817.83	-28.70	3837.57	-29.00	3857.09	-29.20
3876.99	-29.30	3896.11	-29.40	3915.45	-29.60	3934.76	-29.50	3954.01	-29.60
3973.87	-29.50	4003.14	-29.70	4022.51	-29.60	4042.29	-29.90	4061.95	-30.00
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4189.64	-29.60	4237.96	-29.20	4266.51	-28.90	4285.56	-28.30	4304.92	-28.10
4323.88	-27.40	4342.14	-26.70	4361.15	-26.00	4379.99	-26.10	4398.92	-26.20
4418.65	-25.80	4437.93	-26.30	4466.73	-26.40	4496.18	-26.80	4516.23	-27.10
4536.08	-27.10	4556.10	-27.60	4575.62	-28.10	4596.21	-28.50	4625.90	-28.60
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4763.97	-28.90	4783.64	-29.10	4802.85	-29.20	4822.43	-29.70	4841.98	-30.10
4861.85	-30.20	4881.56	-30.40	4901.25	-30.90	4920.45	-31.10	4939.55	-31.30
4966.37	-31.30	4992.11	-31.40						

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090CT19 230CT19 168 00 24 144

-004.95	5.90	-001.05	6.50	014.47	9.20	029.18	11.10	044.91	12.50
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333.00	-8.50	349.00	-8.80	366.00	-9.40	380.00	-10.00	394.63	-10.40
429.42	-10.50	455.85	-10.30	491.07	-10.10	517.80	-9.90	561.50	-9.80
595.91	-9.40	638.63	-9.10	664.34	-8.80	690.01	-8.70	732.42	-8.90
757.51	-9.20	782.47	-9.40	833.10	-9.90	858.78	-9.90	884.99	-9.60
920.59	-10.10	946.81	-9.10	970.82	-7.10	1002.65	-6.60	1023.83	-8.50
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1227.31	-8.20	1246.16	-11.40	1283.55	-11.90	1312.57	-12.20	1334.15	-12.50
1376.62	-13.00	1395.33	-13.30	1414.78	-13.60	1432.83	-14.00	1451.19	-14.30
1469.30	-15.00	1487.56	-15.60	1506.29	-16.10	1524.82	-16.50	1543.66	-17.00
1562.50	-17.50	1581.10	-18.00	1600.01	-18.40	1619.37	-18.80	1637.80	-19.20
1656.03	-19.60	1675.47	-20.00	1694.59	-20.70	1721.51	-20.80	1741.18	-21.00
1768.48	-21.50	1795.29	-22.20	1831.50	-22.60	1849.91	-22.80	1868.13	-23.10
1894.60	-23.50	1912.81	-23.80	1931.26	-24.20	1949.86	-24.30	1968.24	-24.60
1986.76	-24.90	2016.23	-25.20	2034.94	-25.60	2053.20	-26.00	2072.33	-26.30
2101.16	-26.90	2121.32	-27.20	2150.03	-27.80	2168.35	-28.20	2196.99	-28.50

2215.74	-28.90	2243.46	-28.70	2271.04	-28.80	2298.32	-28.60	2327.95	-29.40
2346.67	-30.20	2374.97	-31.00	2393.65	-32.00	2421.86	-33.50	2440.85	-34.70
2469.43	-35.20	2488.45	-35.60	2507.98	-35.90	2527.65	-36.20	2547.95	-36.50
2567.69	-36.80	2586.34	-36.90	2605.20	-37.20	2625.09	-37.40	2644.95	-37.60
2664.19	-37.90	2683.55	-37.90	2702.65	-38.30	2731.46	-38.30	2751.21	-38.50
2781.11	-38.70	2801.43	-38.80	2820.77	-38.90	2839.77	-39.20	2859.29	-39.40
2878.90	-39.50	2898.50	-39.60	2918.70	-39.80	2938.87	-40.00	2958.17	-40.10
2977.35	-40.30	2996.13	-40.80	3015.56	-41.00	3044.72	-41.20	3071.09	-41.40
3100.18	-41.50	3119.72	-41.80	3138.75	-41.50	3157.04	-42.10	3176.15	-43.00
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3303.97	-42.20	3324.02	-42.40	3343.76	-42.40	3363.03	-42.30	3383.00	-42.40
3413.62	-42.70	3433.02	-42.50	3452.42	-43.00	3483.74	-43.80	3504.18	-44.00
3522.89	-44.60	3542.79	-44.50	3573.52	-44.60	3592.77	-44.30	3612.07	-44.70
3631.60	-44.60	3651.44	-45.10	3677.21	-44.90				

R-027 698811.28 956212.93 100.0 7.70
 090CT19 230CT19 162 00 32 130

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534.94	-10.10	558.47	-9.90	582.83	-9.80	608.33	-9.70	634.13	-9.70
652.87	-9.60	683.00	-9.20	703.04	-8.80	723.29	-8.70	742.63	-8.30
760.66	-8.20	778.95	-8.00	798.38	-7.70	817.95	-7.50	836.59	-7.30
863.63	-7.10	892.36	-7.10	912.25	-7.30	939.40	-7.70	964.62	-8.20
983.46	-8.70	1003.29	-9.10	1029.63	-9.90	1047.66	-10.30	1066.36	-10.80
1102.78	-11.20	1122.74	-11.20	1142.34	-11.20	1160.67	-11.40	1179.10	-11.30
1197.61	-11.40	1216.53	-11.50	1246.20	-11.50	1275.06	-11.30	1294.08	-11.60
1313.93	-12.20	1333.79	-10.40	1352.32	-10.00	1370.50	-9.60	1389.44	-9.60
1407.61	-10.40	1426.10	-11.30	1445.11	-11.60	1464.21	-11.60	1483.10	-12.80
1512.34	-13.40	1530.80	-13.10	1549.21	-13.70	1567.33	-14.30	1585.95	-15.70
1605.18	-16.10	1624.27	-16.60	1642.87	-15.20	1660.92	-15.60	1679.72	-16.40
1707.03	-18.40	1733.87	-19.60	1753.01	-21.00	1780.54	-21.50	1799.51	-21.80
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1934.94	-23.50	1953.95	-23.70	1981.33	-23.90	2014.89	-24.30	2046.96	-24.70
2072.54	-24.90	2105.93	-25.40	2132.41	-25.60	2158.49	-25.80	2194.46	-26.00
2218.78	-26.20	2246.09	-26.40	2272.36	-26.00	2290.56	-26.50	2309.66	-26.30
2328.26	-26.50	2354.53	-27.40	2372.54	-27.90	2390.84	-28.80	2418.36	-29.80
2437.29	-30.30	2464.03	-31.60	2482.36	-32.50	2509.27	-34.10	2527.53	-35.10
2569.77	-35.80	2594.16	-36.00	2619.96	-36.40	2663.68	-37.00	2698.45	-37.50
2716.68	-37.40	2735.60	-37.60	2770.89	-38.00	2806.37	-38.30	2832.97	-38.60
2851.46	-38.90	2885.42	-39.10	2903.97	-39.50	2939.81	-39.90	2958.36	-40.20
2976.88	-40.20	3020.19	-40.80	3055.66	-41.00	3082.10	-41.50	3117.75	-42.00
3135.88	-42.00	3153.97	-42.10	3172.28	-42.60	3190.78	-42.90	3208.89	-42.60
3226.99	-42.80	3245.70	-42.90	3263.83	-42.90	3299.57	-42.80	3326.94	-42.90
3352.84	-43.30	3387.47	-43.30	3422.77	-43.00	3465.08	-43.10	3500.32	-43.00
3533.74	-43.40	3557.34	-43.50						

R-028 697775.61 955977.64 100.0 8.39
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015.55	8.10	022.08	7.80	033.73	8.20	051.16	8.90	069.12	9.40
089.37	9.60	107.60	9.50	124.74	9.10	144.31	8.70	163.06	8.60
179.65	8.50	199.92	8.60	220.00	8.40	240.00	7.60	255.00	6.90
270.00	5.30	290.00	4.30	307.00	2.50	328.00	0.20	353.00	-1.50
363.00	-4.30	387.00	-5.70	411.00	-6.60	434.00	-7.40	459.00	-7.90
483.00	-8.10	507.00	-8.20	529.00	-7.80	553.00	-7.50	577.00	-7.00
602.00	-6.80	628.00	-7.30	658.00	-6.90	675.05	-7.20	703.03	-7.80
721.80	-8.40	740.74	-8.80	759.61	-9.30	778.61	-9.70	797.32	-10.20
815.83	-10.60	843.67	-11.00	862.47	-11.00	881.30	-11.20	899.92	-11.20
918.76	-11.30	946.82	-11.30	965.27	-11.50	983.70	-11.60	1002.56	-12.10
1021.35	-12.30	1040.02	-12.70	1058.95	-13.20	1077.64	-13.60	1096.37	-13.90
1115.02	-14.40	1133.46	-14.50	1152.18	-14.60	1180.13	-13.90	1198.51	-13.00
1217.09	-11.80	1235.84	-12.10	1254.40	-13.30	1273.31	-12.90	1292.17	-12.50
1311.01	-11.20	1330.04	-10.70	1348.91	-9.80	1367.64	-8.80	1386.52	-8.10
1405.04	-7.80	1423.70	-8.00	1442.24	-8.10	1460.50	-8.40	1478.75	-8.90
1497.18	-9.30	1515.42	-9.90	1533.75	-10.10	1552.16	-11.30	1570.29	-11.20
1588.69	-11.00	1616.03	-12.60	1634.47	-13.60	1662.28	-14.10	1680.40	-14.70
1698.49	-14.80	1716.93	-15.20	1735.37	-15.00	1753.89	-14.30	1772.41	-14.70

1791.18	-16.30	1809.78	-16.80	1828.40	-17.90	1846.88	-18.70	1865.49	-19.50
1893.19	-21.50	1911.86	-22.40	1930.61	-23.40	1949.33	-23.80	1977.13	-23.90
1995.61	-24.10	2014.30	-24.30	2042.45	-24.20	2060.60	-24.40	2086.67	-24.30
2111.66	-24.30	2155.18	-24.20	2173.56	-24.20	2191.82	-24.30	2210.49	-24.40
2229.31	-24.50	2257.52	-24.80	2276.25	-25.00	2294.97	-25.50	2313.90	-26.00
2332.65	-26.60	2351.42	-27.30	2370.51	-28.30	2389.48	-28.80	2408.47	-29.50
2427.44	-30.30	2446.45	-31.20	2465.27	-32.00	2484.34	-33.00	2503.21	-33.90
2531.37	-35.20	2550.25	-35.80	2568.88	-36.10	2587.66	-36.30	2615.87	-36.90
2644.03	-37.10	2662.73	-37.70	2681.35	-37.70	2700.16	-37.80	2718.46	-38.20
2737.17	-38.50	2755.52	-38.90	2774.07	-38.90	2792.99	-39.20	2812.00	-39.70
2831.13	-40.30	2850.34	-40.80	2869.46	-41.40	2898.51	-42.20	2917.76	-42.70
2937.02	-43.40	2956.43	-44.10	2985.45	-45.50	3004.80	-46.80	3024.42	-47.70
3043.84	-49.00	3063.26	-50.30	3082.71	-51.60	3102.12	-52.60	3121.52	-53.20
3140.63	-54.00	3169.69	-54.90	3189.01	-55.70	3208.42	-56.20	3228.07	-56.70
3257.21	-57.30	3276.43	-57.50	3304.40	-57.80	3322.86	-57.90	3341.14	-57.60
3359.72	-57.40	3378.62	-57.00	3397.83	-56.60	3417.19	-56.00	3436.43	-55.30
3455.95	-54.60	3475.03	-54.10	3494.12	-53.70	3513.05	-53.10	3531.98	-52.20
3550.94	-51.80	3570.03	-51.00	3589.18	-49.80	3608.25	-48.60		
R-029		696944.93		955799.42		100.0		9.43	
090CT19	230CT19	168	00	35	133				
074.84	12.60	089.29	12.40	108.69	12.30	119.62	11.90	126.44	9.90
136.25	8.60	146.59	8.00	168.24	7.70	184.85	8.30	194.99	7.90
215.71	9.70	233.71	7.80	259.99	6.70	280.29	6.30	300.00	7.00
308.00	7.10	310.00	5.20	329.00	3.50	351.00	0.60	370.00	-1.50
375.00	-3.20	396.00	-3.70	418.00	-3.70	438.00	-4.10	457.00	-3.70
480.00	-3.80	500.00	-4.30	520.00	-4.90	538.00	-5.50	562.00	-6.30
588.00	-6.80	608.00	-7.00	629.00	-7.10	652.00	-7.10	675.00	-6.90
702.00	-6.80	713.31	-6.90	734.83	-7.00	754.89	-7.40	777.53	-7.80
804.27	-8.30	827.32	-8.70	850.94	-9.20	879.24	-9.90	900.60	-10.30
920.68	-10.70	940.80	-11.10	965.64	-11.50	993.18	-11.80	1012.50	-11.80
1030.98	-12.10	1065.32	-12.40	1094.75	-12.40	1113.45	-12.40	1131.60	-12.40
1167.57	-12.60	1185.93	-12.80	1214.02	-12.90	1232.93	-13.10	1252.14	-13.40
1270.50	-13.60	1289.15	-13.80	1308.96	-14.20	1327.10	-14.60	1346.29	-15.00
1365.78	-15.30	1385.13	-15.60	1404.38	-16.00	1432.97	-16.40	1451.74	-16.70
1481.09	-15.90	1509.56	-16.60	1528.79	-17.40	1548.25	-17.50	1567.26	-17.30
1585.78	-17.10	1604.26	-16.20	1622.97	-15.20	1650.41	-15.10	1669.82	-15.70
1689.45	-15.30	1717.94	-15.50	1737.24	-14.80	1766.62	-15.00	1803.71	-16.20
1832.43	-17.80	1851.84	-17.40	1870.39	-16.70	1889.58	-17.40	1909.23	-18.60
1935.93	-20.30	1954.39	-21.40	1973.55	-22.40	2000.71	-23.90	2018.91	-24.90
2038.77	-25.90	2066.55	-27.10	2084.81	-27.90	2114.44	-28.40	2133.30	-28.90
2152.27	-29.30	2171.29	-29.90	2191.38	-30.00	2220.24	-30.20	2238.51	-30.20
2257.76	-30.20	2277.81	-30.10	2306.24	-30.10	2324.89	-30.20	2344.00	-30.30
2362.47	-29.60	2381.38	-29.20	2401.07	-28.40	2420.64	-27.80	2439.67	-27.50
2458.57	-26.30	2477.58	-26.00	2516.77	-25.80	2544.98	-25.20	2564.90	-25.60
2584.59	-25.90	2614.22	-29.70	2632.82	-30.60	2651.72	-31.20	2671.06	-32.60
2699.02	-33.10	2717.92	-33.90	2737.40	-35.50	2757.66	-35.90	2776.46	-36.30
2795.20	-36.60	2823.70	-37.10	2842.68	-37.50	2861.78	-38.00	2881.23	-38.30
2900.90	-38.60	2921.14	-38.90	2940.57	-39.00	2959.14	-39.50	2988.48	-40.40
3007.64	-40.80	3026.61	-41.20	3046.19	-41.70	3076.87	-42.90	3096.49	-43.90
3114.76	-44.90	3134.14	-46.00	3153.72	-47.30	3173.25	-48.90	3192.64	-49.90
3212.47	-51.10	3232.24	-52.90	3260.89	-54.50	3279.81	-56.00	3299.23	-57.00
3318.65	-58.00	3337.89	-58.50	3357.39	-59.10	3376.93	-59.50	3395.83	-59.70
3414.16	-59.90	3433.27	-59.90	3460.55	-59.50	3487.51	-58.80	3505.75	-58.30
3524.62	-58.00	3542.92	-57.80	3569.04	-57.10				
R-030		695954.55		955570.20		100.0		11.42	
090CT19	230CT19	162	00	36	126				
065.23	10.60	075.19	9.70	087.51	9.50	110.64	8.80	132.59	8.60
153.05	8.30	175.51	8.20	197.85	8.10	220.47	8.10	240.39	8.10
263.00	8.20	278.00	8.20	291.00	7.90	293.00	8.40	314.00	3.20
336.00	0.80	357.00	-1.20	363.00	-1.90	372.00	-3.80	391.00	-4.80
417.00	-5.20	440.00	-5.60	464.00	-6.00	486.00	-6.50	511.00	-6.50
537.00	-5.30	561.00	-4.70	583.00	-4.60	601.00	-4.90	629.00	-5.50
648.00	-5.80	670.00	-6.20	691.00	-6.70	711.00	-7.00	732.00	-7.30
745.65	-8.00	766.96	-8.20	790.17	-8.60	808.29	-8.90	833.12	-9.30
852.40	-9.80	877.81	-10.00	897.16	-10.40	916.52	-10.50	936.10	-10.80
956.02	-11.20	976.14	-11.40	996.44	-11.90	1017.00	-12.20	1037.25	-12.70
1065.10	-13.10	1085.84	-13.40	1120.21	-13.70	1141.29	-14.10	1161.77	-14.40
1188.29	-14.40	1208.21	-14.80	1227.63	-15.10	1247.15	-15.30	1266.77	-15.50
1293.33	-15.90	1313.14	-16.20	1339.95	-16.50	1359.31	-16.80	1378.96	-17.00

1406.19	-17.50	1432.88	-17.80	1452.75	-17.90	1486.64	-18.30	1506.81	-18.50
1527.11	-18.50	1547.51	-18.30	1568.02	-17.80	1593.77	-17.60	1612.92	-16.50
1632.43	-15.50	1652.30	-14.10	1673.05	-13.50	1693.67	-12.80	1728.41	-11.60
1749.18	-11.50	1770.00	-13.20	1791.28	-14.20	1813.56	-14.60	1836.15	-15.60
1859.65	-15.60	1900.59	-15.70	1941.98	-18.60	1967.25	-19.70	1992.35	-20.90
2025.34	-22.10	2058.55	-22.00	2083.45	-22.70	2124.86	-23.90	2149.91	-25.10
2174.87	-26.20	2215.85	-27.40	2248.93	-28.30	2275.03	-28.90	2293.28	-29.10
2311.75	-29.20	2330.90	-29.60	2350.08	-29.70	2368.71	-29.80	2397.31	-30.00
2416.87	-30.30	2445.38	-30.30	2474.45	-30.30	2493.88	-30.40	2522.53	-30.80
2541.76	-31.50	2560.57	-31.50	2579.32	-31.20	2607.56	-31.60	2626.49	-31.20
2654.68	-30.80	2673.86	-30.30	2692.86	-30.10	2721.88	-30.40	2741.55	-30.70
2761.19	-30.90	2780.35	-31.80	2800.04	-32.70	2819.67	-33.50	2839.09	-34.10
2858.27	-34.60	2877.79	-35.80	2896.88	-36.90	2915.74	-37.30	2944.54	-39.10
2963.70	-39.40	2983.02	-39.70	3001.98	-40.20	3021.34	-40.80	3040.69	-40.90
3060.03	-41.70	3079.52	-42.20	3098.85	-42.50	3128.17	-43.40	3147.69	-43.90
3167.58	-44.60	3187.41	-45.70	3216.85	-46.90	3236.72	-47.60	3256.23	-48.10
3275.88	-48.90	3295.40	-49.40	3315.29	-49.90	3334.81	-50.80	3354.57	-51.30
3374.40	-52.10	3403.77	-53.00	3423.59	-53.30	3443.41	-53.50	3463.06	-54.20
3482.71	-54.20	3502.48	-54.30	3532.14	-54.20	3551.94	-54.10	3571.70	-54.00
3591.58	-53.60	3611.59	-53.30						
R-031		695014.44		955333.31		100.0		13.34	
	090CT19	230CT19	157 00	32 127					
107.33	11.40	121.41	10.10	136.02	9.30	157.21	9.30	172.85	9.80
189.22	9.00	207.21	11.00	222.01	9.70	235.44	10.60	243.01	9.20
251.40	8.40	270.36	8.00	293.00	7.30	296.00	5.50	317.00	3.80
338.00	1.80	359.00	-0.80	373.00	-2.10	378.00	-3.80	399.00	-4.90
420.00	-5.00	445.00	-6.60	464.00	-5.90	486.00	-6.10	508.00	-5.80
531.00	-5.40	549.00	-5.30	569.00	-5.80	591.00	-6.70	608.00	-7.50
623.00	-8.20	646.00	-9.20	662.59	-9.90	681.21	-10.60	705.93	-11.40
727.09	-11.90	748.12	-12.40	770.76	-12.70	804.94	-13.00	831.74	-13.40
857.59	-13.90	885.42	-13.90	905.24	-14.10	923.63	-14.30	942.01	-14.60
961.99	-14.50	991.92	-14.90	1010.59	-15.00	1029.61	-15.30	1049.50	-15.30
1069.17	-15.50	1088.65	-15.50	1107.84	-15.70	1126.89	-16.00	1146.11	-16.10
1165.33	-16.10	1194.61	-16.30	1213.52	-16.50	1232.72	-16.50	1251.80	-16.80
1275.57	-17.20	1295.30	-17.30	1328.36	-17.30	1348.04	-17.40	1377.28	-17.80
1396.06	-17.90	1414.60	-18.10	1434.42	-18.40	1464.54	-18.50	1484.19	-18.80
1613.67	-20.50	1633.32	-20.90	1652.57	-20.70	1672.69	-20.50	1692.82	-20.20
1712.73	-19.80	1731.37	-19.40	1751.20	-19.10	1771.81	-18.60	1791.05	-18.10
1810.30	-17.10	1830.18	-16.40	1858.93	-16.40	1887.81	-14.70	1907.48	-11.40
1926.89	-12.40	1946.67	-12.30	1965.98	-12.00	1995.63	-12.60	2015.73	-13.40
2035.26	-14.70	2054.84	-15.20	2074.79	-15.50	2095.07	-18.20	2114.70	-17.10
2144.50	-16.80	2164.57	-17.90	2184.18	-18.80	2203.75	-19.80	2223.67	-20.60
2242.82	-21.30	2272.25	-22.30	2292.00	-23.00	2312.39	-24.10	2332.16	-24.70
2351.63	-25.30	2371.90	-26.00	2402.04	-26.60	2421.65	-27.20	2451.18	-27.80
2480.52	-28.00	2509.72	-28.20	2539.43	-28.70	2559.26	-28.90	2588.17	-29.10
2607.78	-29.70	2628.09	-30.40	2647.50	-30.60	2667.25	-31.00	2696.48	-31.20
2716.19	-30.90	2736.72	-30.70	2756.82	-30.60	2776.68	-30.30	2796.49	-30.40
2816.52	-30.40	2836.83	-30.60	2856.69	-30.80	2876.68	-31.10	2907.45	-31.40
2927.40	-31.40	2947.27	-32.30	2966.98	-33.00	2986.33	-34.00	3006.25	-34.90
3025.95	-35.90	3045.14	-36.20	3065.26	-36.40	3095.77	-36.90	3116.11	-37.00
3135.96	-37.30	3155.85	-37.60	3185.75	-38.00	3205.03	-38.10	3224.57	-38.40
3244.09	-38.60	3273.92	-39.10	3301.32	-39.80	3320.51	-40.40	3340.78	-41.00
3359.87	-41.70	3378.57	-42.40	3397.60	-42.90	3424.80	-43.90	3457.11	-45.70
3480.85	-47.40	3501.47	-48.10						
R-032		693840.74		955007.93		100.0		12.18	
	090CT19	230CT19	164 00	37 127					
025.23	15.70	043.17	15.10	061.81	13.90	081.27	13.10	097.83	12.40
116.03	12.20	130.99	11.00	146.49	9.80	164.66	8.90	183.73	8.30
203.58	7.90	223.56	7.70	243.56	7.30	261.69	7.00	281.22	6.90
300.75	7.20	319.76	7.50	329.93	8.10	339.90	8.20	346.00	7.90
353.00	4.30	375.00	3.20	396.00	0.90	415.00	-1.40	420.00	-2.20
429.00	-3.30	449.00	-4.80	470.00	-4.90	495.00	-5.30	518.00	-4.20
538.00	-4.00	560.00	-4.60	582.00	-5.20	600.00	-6.20	626.00	-7.10
649.00	-8.20	670.00	-9.10	688.20	-10.40	710.72	-11.20	735.36	-12.20
769.36	-13.40	795.09	-14.10	821.22	-14.50	847.72	-15.00	874.63	-15.30
901.14	-15.70	927.39	-15.90	971.70	-16.30	998.40	-16.60	1025.30	-16.80
1043.44	-17.00	1061.52	-17.20	1079.58	-17.40	1106.68	-17.90	1133.79	-18.40
1152.04	-18.60	1178.95	-17.60	1205.96	-16.80	1241.68	-15.90	1286.23	-16.10
1322.06	-18.40	1348.77	-19.90	1366.83	-20.30	1393.69	-21.50	1411.80	-21.40

1429.87	-22.70	1448.37	-23.40	1475.44	-23.60	1502.80	-24.10	1521.20	-24.60
1548.20	-24.90	1566.54	-25.30	1584.84	-25.70	1603.06	-26.20	1621.14	-26.60
1647.64	-27.00	1674.47	-27.60	1692.76	-27.60	1710.84	-27.80	1729.15	-27.70
1747.51	-27.70	1775.00	-27.70	1802.46	-27.20	1821.05	-26.90	1848.36	-26.60
1866.86	-26.20	1885.46	-25.80	1903.65	-25.40	1921.94	-25.10	1940.53	-24.50
1958.81	-23.30	1977.09	-21.80	1995.59	-20.30	2014.22	-18.60	2032.31	-17.30
2050.50	-15.70	2068.75	-14.50	2087.09	-13.40	2105.16	-12.70	2123.30	-11.20
2141.69	-11.80	2159.80	-12.70	2178.00	-13.40	2196.48	-14.80	2224.07	-15.00
2242.30	-15.90	2260.78	-17.80	2279.29	-20.20	2297.52	-21.80	2315.76	-22.20
2334.29	-22.70	2352.60	-23.00	2370.92	-23.30	2389.11	-23.70	2416.67	-24.60
2434.84	-25.00	2453.26	-26.00	2471.83	-26.40	2507.90	-27.60	2525.94	-27.90
2544.17	-28.10	2562.30	-28.50	2589.15	-28.80	2607.37	-29.20	2625.56	-29.70
2652.69	-30.20	2670.81	-30.40	2689.10	-30.60	2725.26	-30.80	2752.77	-31.10
2771.03	-31.30	2797.83	-32.00	2816.15	-31.90	2834.43	-32.50	2860.83	-32.90
2887.36	-33.10	2913.46	-33.50	2939.74	-34.80	2974.79	-35.40	3019.26	-35.50
3046.27	-36.00	3081.84	-36.40	3117.14	-36.90	3143.48	-36.40	3169.68	-36.30
3204.21	-36.20	3248.69	-37.30	3275.36	-38.00	3293.41	-38.30	3328.92	-38.80
3347.01	-38.80	3373.64	-39.20	3391.78	-39.40	3410.27	-39.70	3429.00	-40.00
3447.80	-40.40	3466.51	-40.60	3484.85	-41.30	3503.25	-41.50	3538.15	-41.50
3556.29	-41.70	3574.54	-41.80	3592.96	-42.10	3611.33	-42.40		
T-033		693066.06		954881.40		100.0	11.61		
	090CT19	230CT19	162 00	38 124					
062.83	12.60	070.03	12.80	079.96	13.20	090.26	12.10	106.96	11.60
126.45	11.40	142.91	12.70	149.15	12.10	159.46	10.60	167.39	9.60
180.81	9.10	200.44	8.70	219.63	8.50	240.00	8.40	260.74	8.30
280.73	8.10	300.02	7.90	320.01	7.20	340.00	7.00	365.00	7.30
368.00	5.10	390.00	3.20	412.00	1.20	433.00	-1.10	440.00	-1.90
444.00	-3.30	466.00	-4.40	490.00	-4.70	510.00	-3.50	531.00	-3.00
555.00	-3.60	577.00	-4.20	602.00	-5.00	623.00	-5.80	645.00	-6.50
666.00	-7.50	689.00	-8.40	713.00	-9.20	729.96	-9.80	753.87	-10.40
785.68	-10.40	812.09	-9.60	831.38	-10.80	865.35	-12.30	893.73	-11.10
919.10	-12.60	937.16	-13.70	957.56	-13.50	993.14	-14.80	1022.83	-15.30
1049.71	-15.40	1076.71	-16.20	1095.76	-16.30	1114.11	-15.70	1132.68	-15.00
1151.05	-15.50	1179.63	-15.30	1215.59	-15.70	1234.81	-16.20	1254.99	-16.50
1281.11	-17.50	1299.46	-18.10	1318.72	-19.80	1352.77	-22.00	1382.88	-22.00
1408.13	-22.20	1438.42	-22.30	1464.69	-22.50	1482.74	-22.50	1502.26	-22.50
1528.29	-22.90	1547.34	-22.80	1576.94	-23.00	1603.72	-23.20	1623.03	-23.00
1651.62	-23.20	1680.92	-23.30	1700.03	-23.20	1718.97	-23.40	1737.65	-23.60
1756.62	-23.60	1786.94	-23.60	1805.30	-23.70	1823.53	-23.80	1843.32	-23.70
1874.22	-23.80	1900.85	-23.60	1921.70	-23.60	1941.32	-23.50	1968.55	-23.30
1989.15	-22.80	2007.45	-22.60	2025.49	-22.50	2045.46	-22.10	2065.66	-20.80
2092.29	-19.70	2111.56	-18.80	2132.04	-17.30	2158.79	-15.10	2178.80	-13.50
2198.26	-12.40	2225.23	-13.10	2244.76	-13.50	2265.03	-14.80	2292.09	-16.80
2311.13	-17.50	2331.38	-18.50	2357.41	-20.70	2375.61	-22.10	2397.06	-22.90
2424.16	-23.90	2453.05	-24.50	2472.23	-25.10	2498.08	-25.90	2519.43	-26.50
2547.44	-27.60	2565.64	-27.90	2584.83	-28.40	2611.48	-29.20	2639.59	-30.10
2676.04	-30.90	2695.95	-31.10	2731.91	-31.50	2761.12	-31.70	2787.53	-31.60
2818.72	-32.20	2837.00	-32.60	2855.78	-32.90	2876.85	-33.90	2903.71	-34.60
2922.43	-34.90	2942.95	-35.10	2970.54	-35.50	2998.78	-36.30	3016.86	-37.00
3034.97	-37.50	3054.41	-37.80	3081.65	-37.30	3100.60	-36.50	3118.89	-37.40
3145.64	-36.00	3165.66	-34.50	3192.52	-35.00	3211.17	-35.50	3231.30	-35.40
3249.52	-36.90	3268.17	-36.60	3298.31	-37.30	3334.74	-37.60	3354.29	-39.30
3380.13	-39.70	3400.14	-39.60	3419.68	-40.10	3445.28	-40.60	3465.27	-40.60
3484.03	-40.90	3510.40	-41.30	3529.65	-41.30	3564.77	-41.60	3583.53	-41.70
3607.58	-42.20	3632.15	-42.10						
R-034		692030.87		954716.39		100.0	11.70		
	090CT19	230CT19	151 00	36 115					
076.17	11.90	084.49	12.00	101.79	11.30	116.11	10.50	130.56	10.30
137.86	10.70	143.60	9.60	149.92	9.10	160.63	8.90	180.88	8.60
200.44	8.40	220.43	8.30	240.77	8.20	259.44	7.80	280.40	7.40
300.12	7.00	319.95	6.50	339.97	7.10	353.00	7.20	371.00	4.40
382.00	3.60	395.00	1.90	415.00	-0.60	427.00	-1.80	432.00	-3.10
454.00	-4.30	476.00	-4.10	500.00	-3.50	521.00	-3.50	540.00	-4.20
564.00	-5.20	588.00	-5.40	614.00	-7.80	637.00	-9.20	658.00	-10.30
668.21	-11.00	694.57	-12.10	721.36	-13.10	748.51	-14.10	766.82	-14.80
785.44	-15.10	803.48	-15.70	830.24	-16.40	873.40	-17.60	906.92	-17.80
941.45	-18.80	985.69	-19.10	1003.86	-19.20	1030.90	-19.80	1049.13	-19.80
1202.11	-20.50	1223.46	-20.70	1242.69	-20.60	1261.72	-20.50	1283.09	-20.90
1306.01	-19.60	1338.42	-19.70	1371.40	-20.60	1413.30	-20.60	1438.99	-20.80

1473.64	-21.20	1499.74	-21.00	1525.90	-20.30	1560.54	-19.70	1586.56	-17.80
1612.26	-16.90	1638.43	-17.60	1664.22	-19.20	1707.62	-20.90	1733.60	-21.00
1768.13	-21.00	1801.75	-21.30	1827.41	-21.40	1860.84	-21.10	1886.08	-19.60
1911.41	-18.10	1936.14	-16.30	1961.20	-14.80	1994.81	-12.90	2019.89	-12.20
2045.78	-12.00	2079.89	-12.30	2114.83	-11.60	2141.81	-11.80	2168.51	-11.90
2186.68	-11.90	2204.69	-12.60	2232.17	-13.00	2250.59	-13.40	2278.03	-13.80
2296.29	-14.80	2323.03	-15.80	2350.07	-15.90	2376.79	-16.10	2394.79	-20.40
2412.99	-21.30	2440.19	-22.90	2458.66	-23.20	2476.85	-23.40	2503.69	-24.10
2521.71	-24.60	2548.65	-25.30	2566.70	-25.90	2585.12	-26.20	2621.04	-27.30
2639.12	-27.60	2666.30	-28.60	2693.36	-28.70	2720.48	-28.60	2747.63	-28.70
2766.05	-28.80	2784.31	-29.00	2811.52	-29.10	2838.76	-29.10	2865.77	-30.10
2883.89	-30.10	2902.08	-30.40	2929.03	-30.90	2956.40	-31.40	2983.89	-31.10
3011.19	-31.80	3029.67	-29.60	3065.63	-31.20	3092.82	-33.50	3119.96	-33.60
3138.37	-34.60	3165.45	-35.30	3183.88	-37.60	3202.20	-38.30	3220.61	-38.90
3238.94	-39.50	3257.38	-39.20	3275.77	-38.00	3294.07	-37.00	3312.34	-34.90
3330.69	-34.50	3358.42	-34.90	3376.70	-36.00	3394.95	-37.10	3413.38	-37.80
3440.47	-38.60	3458.66	-39.20	3476.89	-40.00	3495.11	-40.60	3513.12	-41.50
3539.45	-43.00	3565.89	-44.00	3591.35	-45.00	3634.89	-46.40	3670.30	-46.70
3697.00	-47.00								

R-035 691021.54 954636.41 100.0 10.60
 090CT19 230CT19 163 00 29 134

058.04	11.60	073.22	12.50	089.57	12.80	111.61	12.20	125.68	12.20
133.28	11.20	139.45	10.80	158.19	10.00	180.16	8.90	204.27	7.70
225.21	7.20	244.86	7.00	259.00	6.90	273.00	4.80	292.00	3.90
316.00	1.90	335.00	-1.50	341.00	-2.90	364.00	-3.80	383.00	-3.90
405.00	-3.60	426.00	-3.80	447.00	-4.70	471.00	-5.80	496.00	-7.30
515.00	-8.50	544.00	-10.10	563.00	-11.10	573.28	-12.00	594.23	-12.80
616.86	-13.50	638.69	-14.00	662.32	-14.80	685.47	-14.10	725.17	-14.70
752.05	-15.50	778.49	-15.40	808.48	-16.00	827.76	-16.90	847.47	-18.30
876.09	-18.60	895.91	-18.70	916.55	-18.70	935.09	-19.10	954.13	-19.10
974.66	-19.10	994.77	-19.50	1012.95	-19.90	1042.93	-19.80	1070.30	-19.90
1099.64	-20.10	1118.71	-19.90	1136.73	-20.20	1156.29	-20.40	1186.56	-20.40
1205.18	-20.50	1236.13	-20.30	1266.06	-20.10	1294.86	-19.90	1314.90	-19.60
1334.36	-19.40	1353.46	-19.40	1383.39	-19.10	1403.17	-18.80	1422.46	-18.70
1442.03	-18.50	1462.15	-18.40	1482.12	-18.40	1500.99	-18.30	1520.39	-18.20
1550.17	-18.20	1569.62	-18.60	1589.52	-18.90	1609.25	-17.70	1627.64	-16.60
1659.08	-15.80	1679.21	-14.90	1697.24	-14.60	1717.56	-13.60	1747.13	-13.20
1765.43	-12.80	1786.14	-12.90	1807.27	-13.40	1826.11	-13.70	1844.48	-14.00
1876.12	-14.20	1897.59	-14.60	1925.23	-15.00	1945.64	-15.60	1975.98	-15.60
1994.38	-15.20	2013.49	-14.50	2044.12	-14.50	2064.15	-14.60	2092.41	-13.60
2111.65	-11.90	2132.23	-12.30	2162.29	-12.50	2180.93	-12.70	2200.11	-13.20
2219.21	-13.60	2248.18	-14.00	2268.73	-14.40	2298.21	-15.80	2317.26	-16.10
2348.19	-16.70	2368.19	-15.80	2396.14	-22.80	2426.45	-25.00	2446.11	-24.60
2467.11	-23.70	2486.81	-26.70	2514.91	-27.50	2534.56	-27.60	2553.85	-27.80
2573.19	-28.20	2604.11	-28.60	2623.34	-28.90	2641.52	-29.30	2672.89	-29.50
2691.94	-30.00	2710.84	-30.20	2731.80	-30.30	2752.06	-30.40	2770.60	-30.70
2800.37	-31.30	2819.83	-31.20	2837.86	-30.60	2857.80	-29.40	2877.70	-29.10
2896.74	-30.80	2915.20	-29.60	2935.05	-27.80	2963.90	-29.70	2983.15	-30.90
3010.62	-32.20	3039.70	-31.90	3059.07	-32.30	3077.22	-33.00	3096.27	-33.30
3115.44	-33.70	3134.31	-34.40	3153.40	-34.50	3173.56	-35.70	3193.23	-36.70
3211.57	-37.10	3230.68	-37.50	3258.75	-37.10	3287.00	-36.70	3307.11	-35.60
3335.47	-34.40	3364.84	-33.40	3384.61	-34.40	3403.78	-35.60	3422.93	-36.40
3442.84	-37.30	3462.69	-38.00	3480.95	-39.50	3499.03	-39.00	3527.83	-40.40
3545.89	-41.30	3572.32	-42.90	3591.88	-44.20				

R-036 689877.00 954584.86 100.0 10.97
 090CT19 230CT19 162 00 27 135

019.60	10.80	041.48	10.90	065.15	10.80	087.03	11.70	098.15	12.20
106.70	10.80	130.96	9.30	153.58	8.20	177.13	7.10	200.66	6.70
220.28	6.80	229.00	7.00	236.00	4.40	256.00	2.50	278.00	1.40
298.00	0.00	321.00	-1.20	342.00	-2.10	365.00	-2.90	386.00	-3.50
409.00	-4.30	435.00	-5.60	460.00	-7.00	489.00	-8.60	510.00	-9.80
536.00	-11.40	555.00	-12.50	562.31	-12.50	588.84	-13.30	615.09	-13.90
650.55	-14.40	686.50	-15.30	713.80	-15.30	732.00	-15.80	767.82	-15.70
794.70	-16.50	821.55	-17.30	847.93	-17.30	884.01	-17.80	902.01	-18.50
928.71	-18.40	946.81	-18.20	973.74	-18.80	1000.45	-18.90	1045.12	-19.00
1071.93	-19.20	1108.04	-19.50	1126.17	-19.60	1144.32	-19.90	1162.43	-20.10
1189.42	-20.40	1207.57	-20.50	1234.30	-20.80	1261.48	-20.70	1288.32	-20.50
1315.55	-20.20	1342.34	-20.00	1369.40	-19.80	1387.49	-19.60	1405.49	-19.40
1423.67	-19.30	1441.68	-19.30	1468.56	-18.90	1495.65	-18.80	1513.91	-18.60

1532.37	-18.50	1550.98	-18.50	1579.13	-18.10	1607.61	-18.00	1626.85	-18.00
1655.11	-18.10	1673.97	-17.50	1692.92	-16.90	1711.89	-16.70	1730.85	-16.00
1749.61	-15.30	1768.47	-15.20	1797.01	-14.90	1825.50	-14.70	1854.34	-14.80
1873.15	-15.20	1891.79	-15.40	1910.83	-15.70	1929.61	-15.80	1948.36	-16.00
1967.01	-15.40	1985.77	-14.90	2004.33	-14.40	2022.79	-15.20	2041.32	-15.20
2059.72	-14.40	2087.51	-11.00	2115.33	-12.30	2144.05	-12.40	2162.90	-12.90
2182.12	-13.50	2201.43	-14.30	2230.62	-14.60	2249.79	-15.10	2268.86	-16.00
2297.66	-16.50	2326.36	-16.40	2345.61	-20.20	2365.22	-21.90	2384.37	-23.60
2403.59	-24.30	2422.72	-25.10	2441.88	-25.60	2469.98	-24.80	2489.09	-26.50
2508.14	-26.60	2527.20	-26.80	2546.42	-27.30	2574.94	-28.50	2594.00	-29.10
2613.06	-29.50	2632.04	-30.20	2650.95	-30.40	2679.75	-31.10	2698.95	-31.30
2727.87	-31.50	2747.17	-31.70	2766.47	-31.40	2785.68	-31.50	2814.80	-31.80
2833.94	-32.30	2853.17	-32.10	2882.10	-32.20	2911.10	-31.90	2940.03	-31.70
2969.04	-32.00	2998.14	-32.20	3017.42	-31.70	3036.76	-31.90	3056.34	-32.40
3075.37	-33.20	3094.67	-33.80	3114.03	-34.70	3143.17	-35.00	3162.51	-34.70
3182.03	-34.90	3201.51	-35.20	3220.68	-34.80	3239.95	-31.20	3259.36	-30.60
3278.86	-31.30	3297.84	-32.20	3317.04	-33.60	3336.31	-34.90	3355.46	-35.70
3374.57	-36.70	3393.94	-36.30	3412.93	-37.20	3440.43	-37.80	3459.00	-39.60
3487.08	-40.70	3506.14	-41.50	3525.33	-42.70	3544.46	-44.00	3573.34	-44.40
3602.42	-44.70	3620.98	-44.50						
R-037		688988.91		954533.70		100.0	10.76		
	090CT19	230CT19	159 00	28 131					
023.10	10.00	044.66	10.20	068.78	10.40	087.90	10.60	106.14	10.10
124.05	9.20	133.24	8.10	156.70	7.10	180.11	6.50	200.27	7.10
204.00	7.30	210.00	4.50	229.00	3.50	252.00	0.50	266.00	0.00
272.00	-1.40	281.00	-2.40	288.00	-2.00	293.00	-1.70	316.00	-2.80
339.00	-3.60	361.00	-4.40	385.00	-5.40	402.00	-6.20	426.00	-6.20
452.00	-8.50	475.00	-10.10	496.00	-11.20	525.26	-12.10	551.34	-13.40
576.34	-14.40	606.66	-15.30	624.73	-15.60	643.61	-15.90	663.26	-16.00
688.50	-16.20	708.70	-16.20	727.72	-16.40	763.15	-16.40	799.00	-16.90
819.06	-17.10	837.96	-17.40	863.84	-17.70	893.52	-18.00	918.96	-18.70
938.10	-18.50	976.47	-18.70	995.07	-18.80	1015.66	-19.40	1033.98	-19.40
1061.78	-19.60	1089.74	-19.50	1118.09	-19.50	1137.20	-19.60	1155.71	-19.60
1173.83	-19.70	1203.77	-19.50	1230.33	-19.60	1258.26	-19.30	1287.09	-19.10
1313.75	-18.80	1352.22	-18.60	1370.37	-18.30	1399.67	-18.40	1426.09	-18.30
1454.65	-18.40	1480.65	-17.50	1500.33	-17.70	1518.75	-18.00	1546.19	-17.60
1565.34	-17.40	1601.88	-17.40	1620.77	-17.20	1651.16	-16.60	1676.48	-15.20
1697.43	-14.00	1715.95	-13.50	1741.96	-12.70	1761.56	-11.90	1788.26	-11.80
1815.73	-11.60	1834.63	-12.20	1853.45	-12.80	1889.32	-13.30	1917.70	-13.50
1953.76	-14.00	1973.82	-14.30	1992.75	-14.50	2018.39	-14.70	2038.60	-14.20
2058.23	-15.00	2083.65	-10.80	2111.83	-10.90	2130.77	-11.40	2156.35	-12.40
2175.58	-13.00	2208.88	-14.00	2230.80	-14.40	2253.65	-14.60	2271.82	-15.90
2299.80	-16.00	2319.94	-21.80	2348.67	-24.90	2367.52	-26.50	2389.09	-27.00
2417.52	-27.90	2436.24	-28.10	2457.36	-28.20	2477.09	-28.30	2504.81	-28.90
2525.53	-29.60	2546.66	-29.90	2567.01	-29.70	2585.99	-29.40	2614.15	-29.40
2635.40	-29.20	2665.17	-29.10	2684.12	-29.10	2705.06	-28.90	2734.63	-29.10
2754.36	-29.00	2775.24	-28.60	2795.82	-28.40	2815.08	-27.70	2834.17	-28.00
2855.08	-27.00	2875.81	-26.60	2904.34	-26.50	2923.27	-26.80	2943.61	-27.10
2972.92	-28.10	3000.97	-28.30	3033.42	-28.50	3052.52	-28.80	3070.55	-29.20
3090.65	-30.20	3109.86	-30.50	3138.92	-31.70	3172.70	-32.00	3192.63	-33.10
3212.29	-31.90	3233.19	-31.60	3253.37	-31.30	3272.20	-32.70	3301.84	-32.60
3322.81	-33.90	3342.98	-35.10	3361.07	-36.50	3380.93	-37.70	3401.19	-40.20
3420.05	-39.50	3449.60	-41.10	3468.66	-42.40	3488.59	-43.10	3507.73	-43.90
3527.55	-45.10	3547.48	-45.10	3566.01	-45.20	3594.80	-45.10		
R-038		688046.92		954533.45		100.0	10.35		
	090CT19	230CT19	175 00	27 148					
-000.15	8.90	011.00	8.60	014.09	9.60	024.30	9.40	031.06	11.30
040.70	11.10	050.52	10.40	069.20	10.90	080.00	9.70	100.00	9.40
108.00	9.50	112.00	8.00	132.00	7.90	149.00	7.80	153.00	5.00
168.00	3.60	191.00	1.20	211.00	-0.30	232.00	-1.00	251.00	-2.10
276.00	-3.40	296.00	-3.80	323.00	-4.70	345.00	-5.90	369.00	-6.90
396.00	-8.30	418.00	-9.60	441.19	-11.30	461.35	-12.00	485.24	-13.00
520.43	-14.20	556.72	-15.20	584.68	-15.70	612.94	-15.90	631.66	-16.80
650.74	-17.00	670.03	-17.20	698.96	-16.20	718.23	-16.90	737.70	-17.60
757.14	-17.70	786.09	-18.00	805.40	-18.50	824.89	-17.30	844.38	-15.90
873.38	-15.90	892.96	-17.50	912.29	-18.40	931.70	-18.60	951.35	-18.90
970.59	-18.00	999.58	-17.60	1018.98	-18.40	1038.24	-18.60	1066.79	-18.30
1085.82	-18.80	1104.74	-19.10	1123.76	-19.00	1142.33	-19.20	1161.08	-18.90
1189.43	-18.90	1207.98	-18.50	1226.42	-18.10	1244.82	-18.10	1263.32	-17.60

1282.26	-17.40	1301.37	-17.30	1320.48	-16.80	1339.71	-16.50	1358.96	-16.30
1377.98	-16.30	1397.20	-16.20	1425.88	-16.10	1445.33	-15.70	1473.84	-15.50
1493.38	-15.20	1512.24	-15.00	1531.32	-15.00	1550.66	-14.40	1569.76	-14.40
1589.16	-14.10	1608.76	-13.20	1628.04	-12.20	1647.18	-11.30	1666.69	-9.60
1685.96	-10.60	1714.56	-10.80	1733.80	-11.60	1752.25	-12.10	1771.28	-12.90
1790.57	-13.40	1809.95	-13.70	1829.42	-14.30	1858.37	-13.80	1887.17	-13.60
1916.61	-13.50	1945.78	-13.20	1965.44	-12.30	1984.87	-12.80	2004.02	-12.70
2023.21	-13.20	2051.67	-13.30	2080.49	-14.20	2100.03	-13.80	2119.42	-14.20
2149.15	-14.80	2168.60	-15.10	2187.80	-15.50	2207.15	-15.60	2226.54	-22.40
2255.74	-25.70	2275.35	-27.80	2294.77	-29.70	2314.21	-30.60	2333.56	-31.20
2353.23	-31.30	2372.72	-31.80	2392.21	-31.90	2411.63	-32.10	2431.36	-32.40
2460.79	-32.70	2480.61	-32.90	2500.44	-32.90	2529.60	-33.10	2558.75	-33.30
2578.59	-32.90	2597.97	-33.00	2617.02	-32.90	2636.04	-32.90	2664.48	-32.90
2683.68	-32.90	2702.79	-32.80	2731.85	-32.80	2751.22	-32.50	2770.89	-31.60
2790.36	-31.80	2809.78	-31.40	2829.56	-31.80	2858.89	-31.60	2887.85	-31.70
2907.45	-31.70	2936.86	-31.90	2955.95	-32.80	2975.37	-32.90	2994.98	-34.00
3014.50	-33.80	3034.01	-33.10	3053.33	-34.40	3072.69	-32.10	3092.40	-29.70
3111.80	-28.60	3131.18	-28.40	3160.36	-29.20	3179.86	-30.30	3199.07	-32.40
3218.28	-33.20	3237.66	-34.60	3266.58	-35.90	3285.38	-36.40	3304.42	-37.30
3323.03	-38.30	3341.85	-39.30	3360.40	-40.30	3379.28	-41.30	3398.16	-42.50
3417.10	-43.50	3445.77	-44.60	3464.40	-44.60	3483.49	-44.80	3502.65	-44.60
3531.38	-44.70	3550.87	-44.60	3570.23	-44.80	3589.45	-44.70	3609.00	-44.90
R-039		687092.65		954480.17		100.0		8.31	
	090CT19	230CT19	163	00	26	137			

-001.63	8.60	006.42	8.80	015.85	8.70	029.86	9.10	037.93	9.50
053.43	8.90	060.96	8.60	068.64	7.40	080.15	6.70	099.97	6.70
117.00	5.40	122.00	4.30	138.00	3.80	159.00	2.60	184.00	1.70
193.00	-0.50	200.00	-1.20	220.00	-1.90	245.00	-2.90	269.00	-3.70
292.00	-3.60	322.00	-6.00	348.00	-7.30	374.00	-6.70	404.00	-10.30
436.00	-11.60	457.53	-12.60	477.38	-13.40	497.07	-14.20	517.94	-14.50
548.47	-15.50	569.10	-15.80	588.34	-15.80	608.36	-16.00	629.73	-16.20
651.27	-16.40	670.93	-16.00	690.61	-14.60	711.52	-15.70	731.68	-16.20
752.78	-16.70	772.81	-17.20	792.51	-16.80	823.91	-17.30	845.27	-18.00
866.01	-18.20	885.86	-18.60	908.94	-18.90	929.54	-19.00	948.56	-19.20
977.76	-19.40	998.65	-18.50	1031.05	-18.60	1053.02	-19.00	1074.14	-19.00
1093.04	-18.90	1113.54	-18.60	1134.50	-18.20	1155.16	-17.90	1176.46	-17.50
1196.45	-17.30	1217.41	-16.70	1238.96	-16.40	1258.48	-16.40	1278.98	-15.90
1301.21	-15.60	1321.69	-15.50	1341.18	-15.70	1363.29	-15.20	1385.69	-14.70
1405.50	-14.70	1436.01	-14.80	1456.90	-15.00	1478.01	-14.50	1498.94	-14.30
1528.28	-14.00	1549.92	-13.60	1571.95	-12.80	1602.62	-12.20	1622.74	-11.60
1643.15	-10.50	1663.67	-10.50	1685.87	-10.30	1707.15	-10.70	1728.23	-10.50
1749.93	-10.70	1770.34	-10.70	1799.55	-10.90	1821.35	-11.30	1852.41	-11.30
1871.40	-11.20	1892.51	-12.60	1924.83	-13.10	1945.43	-11.80	1966.19	-12.80
1998.58	-13.40	2019.16	-14.30	2037.44	-14.10	2058.99	-15.00	2081.04	-15.10
2100.65	-15.50	2119.81	-16.00	2149.76	-16.40	2171.68	-18.20	2194.63	-19.40
2223.85	-22.50	2243.13	-21.40	2278.30	-26.10	2309.14	-29.00	2328.83	-30.80
2350.07	-31.80	2371.74	-32.10	2401.60	-32.30	2421.86	-32.40	2454.64	-32.50
2484.43	-32.80	2505.04	-33.10	2524.21	-33.30	2544.51	-33.60	2574.98	-34.00
2595.00	-34.40	2614.63	-34.20	2634.98	-34.10	2668.20	-34.00	2688.31	-34.20
2708.85	-34.40	2740.21	-34.20	2771.14	-34.20	2791.86	-33.70	2811.23	-33.40
2832.58	-31.50	2863.32	-31.90	2882.97	-32.30	2904.66	-31.10	2925.78	-31.50
2955.30	-32.10	2976.33	-31.30	2997.17	-31.50	3017.47	-30.60	3038.45	-30.60
3059.54	-30.00	3080.82	-30.90	3102.19	-32.10	3130.77	-33.00	3151.82	-33.80
3173.67	-34.60	3195.39	-36.40	3226.75	-37.70	3247.63	-38.60	3267.49	-39.50
3287.83	-40.40	3309.86	-41.80	3330.88	-41.90	3361.09	-41.90	3382.11	-41.80
3402.21	-41.80	3432.18	-41.70	3452.57	-41.60	3471.08	-41.40	3491.19	-41.20
3512.48	-41.00	3531.25	-41.20	3563.28	-41.30				
R-040		686062.05		954256.41		100.0		10.64	
	090CT19	230CT19	170	00	27	143			

011.41	11.00	017.44	10.90	026.52	10.90	039.01	10.80	049.32	10.20
062.68	9.60	078.63	9.00	085.93	8.40	094.68	8.00	110.91	7.40
130.00	6.70	149.76	6.80	161.00	6.90	166.00	4.40	180.00	3.00
195.00	2.60	215.00	0.50	235.00	-0.60	262.00	-2.20	283.00	-2.90
307.00	-3.30	328.00	-4.50	347.00	-5.70	375.00	-6.70	397.00	-8.00
423.00	-9.50	448.00	-10.90	470.69	-11.70	496.84	-12.90	532.69	-14.20
550.95	-14.50	569.36	-14.70	588.35	-14.80	624.33	-14.80	651.96	-14.50
670.05	-15.10	688.30	-13.90	706.35	-15.00	724.57	-16.20	743.02	-16.40
761.34	-16.80	779.76	-17.10	797.95	-17.10	825.12	-15.70	852.38	-16.00
870.48	-16.90	888.94	-17.40	907.05	-17.80	925.46	-18.00	943.66	-18.40

961.72	-18.50	988.73	-18.60	1032.77	-18.60	1068.91	-18.40	1087.36	-18.10
1114.99	-18.00	1142.22	-18.00	1169.67	-17.80	1187.81	-17.60	1214.76	-17.40
1233.07	-17.30	1251.37	-16.90	1287.34	-16.60	1322.85	-16.50	1367.01	-16.40
1402.51	-15.60	1428.86	-15.20	1455.23	-15.40	1481.43	-15.40	1508.23	-15.50
1526.24	-15.50	1562.24	-15.20	1580.61	-15.30	1598.74	-15.80	1616.89	-15.50
1634.96	-14.70	1662.21	-13.80	1680.38	-13.50	1698.55	-13.50	1725.37	-12.40
1743.52	-12.30	1761.68	-11.70	1788.32	-11.00	1815.24	-10.40	1842.10	-10.50
1868.34	-11.00	1903.49	-11.40	1930.60	-11.80	1948.84	-11.20	1966.96	-12.60
1985.46	-12.70	2004.14	-13.20	2022.80	-13.60	2041.36	-13.40	2069.31	-11.20
2087.58	-11.70	2106.14	-12.10	2124.76	-12.30	2143.34	-13.30	2171.77	-13.90
2199.65	-14.80	2217.98	-16.50	2236.47	-16.80	2264.42	-16.40	2292.23	-17.30
2310.96	-17.90	2329.57	-22.80	2348.06	-25.60	2366.69	-27.50	2385.36	-26.10
2404.20	-28.10	2423.06	-29.20	2441.73	-30.70	2460.62	-30.60	2479.55	-30.60
2507.54	-30.60	2526.03	-30.60	2544.69	-30.50	2563.34	-30.40	2582.04	-30.20
2609.84	-30.40	2628.50	-30.20	2656.72	-30.30	2675.39	-30.10	2693.88	-30.10
2722.27	-30.40	2740.60	-30.10	2768.74	-29.90	2787.26	-30.20	2814.81	-30.30
2833.34	-29.90	2852.07	-30.10	2870.49	-29.60	2889.19	-30.10	2917.16	-29.60
2935.76	-29.80	2954.36	-29.90	2973.20	-30.60	2991.87	-30.70	3010.60	-31.00
3038.99	-31.60	3057.71	-31.70	3076.78	-31.60	3095.77	-30.60	3114.58	-30.20
3133.45	-30.30	3152.27	-31.00	3171.00	-31.40	3189.60	-32.30	3208.29	-33.10
3227.08	-33.60	3245.61	-34.50	3264.00	-36.00	3282.53	-36.80	3300.95	-37.70
3319.54	-38.80	3338.37	-39.00	3357.02	-40.10	3375.45	-40.10	3403.72	-40.00
3422.52	-39.80	3441.12	-39.80	3469.02	-39.70	3487.62	-39.70	3506.34	-39.90
3525.02	-39.80	3543.98	-39.70	3562.88	-39.80	3581.42	-39.90	3608.35	-40.10

R-041 685179.24 954159.51 100.0 12.11
090CT19 230CT19 164 00 23 141

012.64	9.80	039.39	10.50	064.62	11.10	085.08	12.40	098.37	9.60
110.20	7.70	120.36	7.30	140.23	7.30	149.00	7.10	153.00	4.60
175.00	3.00	196.00	0.80	211.00	-0.50	214.00	-1.10	235.00	-0.90
259.00	-2.40	282.00	-3.30	312.00	-4.40	330.00	-5.30	354.00	-6.40
378.00	-7.80	401.00	-8.90	426.00	-10.30	436.73	-10.70	459.18	-11.80
484.59	-12.80	510.26	-13.90	529.91	-14.50	551.28	-15.20	571.23	-16.00
598.09	-16.70	618.18	-16.90	645.97	-17.50	665.42	-17.80	685.89	-18.10
705.02	-18.60	723.04	-18.60	742.45	-18.40	763.31	-18.40	782.35	-19.40
801.02	-19.30	820.16	-19.30	839.16	-19.40	858.45	-19.40	888.79	-19.40
907.70	-19.60	926.38	-19.80	945.74	-20.10	964.57	-20.30	983.17	-20.60
1002.85	-20.00	1022.85	-20.90	1041.80	-21.00	1081.26	-21.00	1099.59	-20.00
1128.25	-19.90	1147.03	-19.90	1166.29	-19.80	1195.48	-19.70	1215.73	-19.40
1234.16	-19.30	1264.42	-19.10	1285.47	-18.90	1306.02	-18.80	1337.04	-18.90
1366.42	-18.90	1385.02	-18.90	1404.82	-18.90	1424.72	-18.90	1443.19	-19.00
1462.02	-18.80	1548.08	-18.90	1568.37	-19.50	1587.41	-19.40	1605.72	-19.50
1624.93	-19.60	1645.12	-19.40	1664.18	-18.90	1683.41	-18.40	1715.32	-18.30
1735.07	-17.40	1761.70	-16.00	1781.89	-15.20	1801.73	-14.30	1820.57	-14.40
1840.12	-13.50	1858.27	-13.40	1876.92	-13.00	1897.33	-12.80	1926.31	-11.40
1953.99	-11.60	1972.37	-11.60	1992.20	-12.20	2010.89	-13.60	2029.72	-14.20
2057.54	-14.30	2076.88	-14.10	2106.14	-11.80	2124.40	-11.90	2143.26	-12.90
2171.90	-13.40	2197.74	-13.80	2217.99	-14.30	2239.05	-15.20	2275.33	-16.30
2294.43	-17.80	2314.80	-17.60	2333.68	-21.60	2361.98	-22.90	2381.09	-27.60
2400.56	-27.60	2420.21	-27.80	2439.13	-27.60	2457.21	-27.80	2486.67	-27.80
2505.75	-27.80	2524.65	-28.00	2544.46	-27.80	2563.83	-27.90	2582.42	-27.90
2601.01	-28.00	2619.56	-28.10	2639.04	-28.10	2668.17	-28.10	2686.33	-28.30
2706.99	-28.30	2728.13	-28.40	2746.60	-28.70	2765.19	-28.50	2785.47	-28.70
2822.03	-29.00	2852.52	-29.00	2880.39	-29.40	2899.34	-29.40	2919.74	-29.80
2947.70	-30.00	2965.87	-30.20	2985.40	-30.10	3013.42	-30.60	3034.40	-31.50
3053.54	-31.50	3082.21	-31.80	3102.33	-32.40	3122.80	-34.10	3150.17	-35.20
3181.86	-35.50	3201.49	-36.20	3220.05	-36.60	3248.23	-36.50	3275.46	-37.40
3295.16	-38.00	3315.66	-39.10	3335.16	-39.70	3353.51	-40.10	3372.70	-40.00
3392.04	-39.90	3411.20	-39.90	3430.26	-39.70	3449.18	-39.70	3476.27	-39.90
3506.16	-39.80	3524.63	-40.00	3542.67	-40.00	3567.59	-40.20		

T-042 684192.89 954009.89 100.0 9.76
090CT19 230CT19 171 00 24 147

033.55	10.60	046.35	11.10	064.52	11.70	077.66	10.70	087.25	8.30
096.22	7.00	103.57	6.70	120.26	6.30	139.29	6.40	151.00	6.40
160.00	4.20	176.00	2.80	192.00	2.20	212.00	0.50	222.00	-0.60
226.00	-1.80	249.00	-1.90	274.00	-3.10	303.00	-4.30	325.00	-5.20
348.00	-6.30	374.00	-7.80	400.00	-9.10	426.00	-10.80	443.37	-11.90
470.03	-13.50	505.72	-15.60	532.29	-16.70	550.34	-17.20	577.42	-17.80
595.58	-17.90	613.94	-18.40	632.28	-18.40	650.95	-18.50	669.81	-18.80
698.01	-18.90	717.00	-18.90	745.43	-17.60	774.00	-17.70	793.21	-17.00

821.46	-17.60	850.24	-16.30	868.89	-15.40	887.87	-14.50	915.91	-14.60
934.68	-14.90	952.97	-15.40	971.39	-16.10	990.00	-16.80	1008.59	-17.80
1027.21	-18.80	1046.26	-18.50	1074.53	-19.50	1093.54	-20.80	1112.31	-21.20
1131.51	-20.90	1160.13	-21.30	1188.54	-21.80	1217.49	-22.20	1255.68	-23.60
1284.27	-22.60	1303.43	-22.30	1322.57	-22.90	1341.81	-22.60	1360.68	-24.80
1389.15	-26.20	1408.04	-27.10	1436.28	-26.90	1455.14	-26.40	1473.97	-26.20
1493.07	-25.80	1511.72	-25.80	1530.57	-23.80	1549.65	-21.40	1568.35	-22.00
1587.68	-21.30	1606.60	-21.50	1625.69	-21.60	1644.71	-21.10	1663.88	-19.90
1682.84	-18.90	1702.12	-17.80	1730.72	-17.30	1749.63	-17.60	1768.77	-18.10
1787.61	-18.30	1806.31	-19.20	1824.80	-19.50	1843.81	-20.30	1872.25	-20.90
1891.41	-21.60	1910.47	-21.90	1929.46	-21.50	1948.60	-21.80	1967.30	-21.40
1986.38	-21.60	2005.55	-20.60	2024.63	-17.10	2053.14	-15.70	2072.09	-16.30
2090.71	-17.40	2109.69	-19.80	2128.78	-14.90	2147.75	-13.70	2166.56	-14.50
2185.51	-17.10	2213.94	-14.20	2242.58	-15.40	2261.36	-15.20	2280.53	-15.80
2299.71	-17.30	2328.17	-17.40	2356.59	-20.50	2374.74	-24.40	2401.12	-29.10
2419.24	-30.90	2437.92	-32.10	2465.63	-32.30	2493.56	-32.70	2512.44	-32.80
2531.06	-32.70	2550.42	-33.00	2578.98	-33.10	2607.45	-33.30	2626.75	-33.40
2655.34	-33.40	2674.16	-33.50	2703.16	-33.50	2722.16	-33.70	2741.46	-33.60
2760.90	-33.70	2789.65	-33.60	2808.76	-33.70	2837.35	-33.60	2865.31	-33.50
2884.35	-33.50	2912.39	-33.60	2931.34	-33.40	2950.35	-31.60	2969.26	-29.10
2998.24	-28.70	3017.30	-27.90	3036.40	-27.90	3065.64	-27.80	3084.89	-28.70
3103.92	-30.40	3123.00	-31.50	3142.24	-32.40	3161.00	-33.60	3179.52	-34.60
3197.95	-35.50	3216.51	-35.80	3235.29	-36.50	3254.13	-36.40	3272.95	-37.90
3291.87	-38.40	3310.43	-39.20	3328.85	-39.40	3347.24	-40.40	3365.57	-41.90
3392.79	-41.90	3411.55	-42.20	3430.53	-42.30	3449.14	-42.60	3468.15	-43.00
3496.57	-43.50	3515.05	-43.50	3533.91	-43.80	3552.71	-44.20	3571.36	-44.30
3589.66	-44.30								
R-043		683180.23	953807.57	100.0	8.83				
090CT19	230CT19	165	00	20	145				
023.17	7.70	037.64	7.40	049.48	7.30	069.06	7.50	089.58	7.50
109.83	7.90	129.98	8.00	150.00	7.90	171.00	7.60	177.00	4.20
196.00	3.70	203.00	3.30	224.00	-0.50	247.00	-1.00	270.00	-1.70
291.00	-2.60	316.00	-3.60	337.00	-4.50	360.00	-5.50	383.00	-6.60
409.82	-8.30	442.27	-9.70	461.20	-10.50	481.90	-11.40	505.64	-11.60
532.66	-11.80	552.79	-12.70	582.62	-13.20	600.79	-12.40	631.17	-13.70
651.37	-14.80	670.01	-15.00	700.15	-16.70	720.59	-17.00	749.35	-17.60
769.33	-17.90	790.74	-18.80	820.30	-18.60	840.16	-18.50	860.20	-18.30
879.26	-18.10	898.20	-18.10	927.11	-18.00	948.77	-18.30	977.96	-17.70
996.86	-17.50	1018.07	-15.80	1038.49	-15.90	1058.04	-16.30	1086.45	-15.80
1115.51	-16.70	1135.82	-17.90	1163.54	-18.30	1196.14	-18.30	1216.59	-18.70
1235.07	-19.10	1265.00	-19.70	1295.80	-19.90	1324.28	-19.90	1344.77	-20.30
1375.18	-20.50	1393.62	-20.70	1424.43	-20.80	1444.32	-20.60	1472.61	-20.60
1493.13	-20.80	1523.66	-21.00	1543.18	-20.60	1562.51	-21.00	1582.26	-20.90
1602.52	-21.30	1622.51	-20.60	1641.79	-20.20	1661.55	-20.50	1681.86	-20.20
1702.27	-19.80	1732.77	-19.30	1751.76	-19.20	1771.13	-18.70	1791.32	-16.90
1813.03	-16.60	1833.83	-15.90	1853.03	-15.20	1871.11	-14.80	1890.51	-15.70
1910.55	-16.20	1930.19	-17.40	1959.08	-16.40	1978.48	-16.00	1998.70	-14.80
2019.37	-13.80	2039.39	-12.80	2068.45	-12.40	2087.67	-13.30	2106.89	-14.00
2126.61	-14.80	2147.21	-16.20	2166.66	-17.30	2185.07	-18.80	2204.99	-19.90
2225.60	-20.40	2245.38	-20.20	2265.13	-13.70	2285.26	-13.90	2313.84	-15.10
2333.24	-15.40	2353.96	-14.70	2374.32	-15.20	2393.55	-16.40	2412.55	-17.50
2432.09	-17.50	2452.12	-18.30	2472.10	-25.20	2491.53	-30.10	2511.14	-32.70
2531.80	-34.40	2551.22	-35.70	2569.59	-36.30	2589.98	-36.60	2609.78	-36.60
2629.61	-36.80	2649.64	-37.00	2678.20	-37.10	2697.72	-37.30	2717.95	-37.20
2738.60	-37.50	2758.55	-37.50	2778.87	-37.60	2798.99	-37.80	2818.15	-37.90
2836.88	-37.90	2856.42	-37.90	2887.72	-38.00	2906.39	-37.90	2926.23	-38.10
2955.71	-38.10	2974.81	-37.90	2995.82	-36.50	3016.07	-35.40	3035.28	-34.90
3054.36	-35.40	3073.58	-35.80	3093.37	-36.40	3113.91	-36.70	3134.16	-37.60
3152.85	-38.30	3182.23	-38.90	3201.68	-39.80	3221.65	-40.70	3241.20	-41.10
3269.97	-42.00	3299.79	-42.60	3318.18	-42.20	3337.86	-42.10	3356.77	-42.00
3375.52	-41.90	3396.22	-41.80	3426.91	-41.60	3446.91	-41.30	3466.34	-41.00
3496.12	-40.90	3515.11	-40.70	3533.39	-40.50	3560.62	-40.60	3586.35	-40.70
R-044		682367.17	953652.96	100.0	11.79				
090CT19	230CT19	164	00	25	139				
095.92	11.60	105.76	11.20	116.73	10.20	130.54	10.20	148.38	10.10
161.50	8.60	180.80	7.70	201.25	6.60	219.94	6.30	240.06	6.70
248.00	6.90	252.00	4.60	270.00	3.40	293.00	4.30	316.00	-0.40
339.00	-1.40	361.00	-2.60	389.00	-3.40	414.00	-4.20	434.00	-5.00
453.00	-5.80	478.00	-7.00	501.00	-8.00	521.00	-9.20	536.00	-10.00

559.81	-11.00	578.28	-11.50	596.93	-11.50	615.99	-12.80	635.01	-12.80
663.45	-13.10	691.75	-13.40	710.53	-13.20	738.36	-14.20	756.61	-14.80
775.22	-14.40	793.72	-15.10	812.53	-15.10	841.14	-15.60	869.63	-16.00
888.47	-16.40	906.93	-16.50	925.94	-16.50	944.55	-16.60	963.09	-16.30
991.01	-16.30	1009.76	-16.80	1028.66	-17.50	1057.15	-17.60	1076.02	-17.90
1104.25	-16.40	1122.90	-14.90	1141.84	-15.30	1160.02	-16.00	1178.68	-14.60
1197.08	-15.60	1215.75	-17.00	1234.62	-18.10	1263.04	-19.00	1282.09	-19.20
1301.11	-19.60	1329.58	-19.70	1348.68	-20.00	1367.47	-20.30	1386.28	-20.60
1404.88	-20.90	1432.92	-21.20	1451.54	-21.30	1470.14	-21.60	1488.95	-21.90
1507.73	-22.00	1526.68	-22.00	1545.76	-21.90	1564.65	-21.60	1592.76	-21.50
1621.14	-21.50	1649.33	-21.60	1668.30	-21.30	1687.42	-19.70	1706.45	-19.80
1725.32	-20.30	1744.12	-20.50	1762.66	-20.70	1790.04	-20.50	1817.40	-20.50
1845.43	-20.20	1872.84	-20.30	1899.80	-19.60	1926.63	-18.00	1944.87	-16.90
1972.83	-16.50	1991.48	-16.40	2010.26	-17.60	2029.38	-18.30	2048.53	-19.30
2076.86	-19.50	2095.85	-18.20	2114.80	-17.70	2143.13	-17.90	2162.16	-17.80
2181.11	-17.50	2200.00	-17.30	2227.79	-16.70	2246.39	-15.70	2274.05	-15.40
2302.00	-15.50	2320.93	-16.20	2339.73	-17.30	2368.01	-13.90	2396.34	-14.00
2424.51	-15.90	2443.39	-16.90	2462.34	-16.90	2481.52	-18.00	2510.04	-19.60
2538.38	-19.80	2557.38	-26.90	2576.36	-33.00	2605.06	-34.90	2624.19	-35.60
2643.17	-36.00	2661.98	-36.40	2680.66	-36.80	2709.07	-37.40	2727.91	-37.30
2756.08	-37.50	2784.62	-37.60	2803.29	-37.60	2831.07	-37.50	2849.73	-37.60
2877.57	-37.60	2896.09	-37.60	2914.65	-37.70	2933.40	-37.60	2961.88	-37.80
2981.04	-37.90	3000.11	-38.20	3028.78	-38.10	3047.70	-38.50	3066.14	-38.50
3094.57	-38.80	3123.17	-38.90	3151.78	-39.00	3170.82	-39.20	3199.56	-39.20
3218.62	-39.30	3246.75	-39.50	3275.18	-39.60	3293.87	-39.70	3312.55	-39.80
3331.00	-40.00	3359.01	-40.40	3377.75	-40.40	3396.10	-40.60	3414.83	-40.90
3433.93	-41.20	3452.77	-41.40	3471.67	-41.60	3490.71	-41.80	3509.72	-41.90
3528.46	-42.20	3547.31	-42.30	3566.31	-42.40	3593.45	-42.50		
R-045		681216.86		953413.50		100.0		9.44	
100CT19	230CT19	166	00	29	137				

103.50	12.40	118.92	11.70	132.60	13.00	142.52	10.40	156.67	10.50
166.28	8.70	181.62	8.60	204.51	10.20	219.41	10.70	231.31	9.30
246.18	7.40	259.89	6.90	280.14	7.10	285.00	7.30	290.00	5.20
310.00	2.90	315.00	2.20	320.00	-0.60	325.00	-1.40	335.00	-3.40
355.00	-3.00	378.00	-3.40	400.00	-3.30	430.00	-3.90	450.00	-4.60
475.00	-5.60	495.00	-6.70	515.00	-7.90	535.00	-9.00	563.23	-9.10
584.54	-9.90	607.45	-10.80	627.09	-11.60	664.42	-12.30	688.48	-12.60
707.33	-13.00	726.27	-13.30	745.06	-13.40	765.64	-13.70	787.53	-13.80
807.19	-14.20	826.02	-14.40	846.56	-14.60	866.98	-14.80	886.45	-15.10
905.82	-15.30	926.59	-15.60	956.20	-15.90	974.95	-16.20	994.21	-16.40
1014.35	-16.60	1035.28	-16.90	1055.07	-17.20	1075.16	-17.50	1105.31	-17.70
1135.80	-17.90	1165.83	-17.70	1187.47	-17.90	1207.97	-18.10	1226.75	-18.40
1247.59	-18.50	1268.26	-18.70	1296.81	-19.10	1318.25	-19.10	1339.69	-17.10
1359.47	-17.60	1378.86	-17.60	1409.45	-16.60	1429.01	-17.70	1448.54	-18.80
1480.30	-20.40	1499.55	-20.60	1517.78	-21.10	1537.39	-21.60	1567.52	-22.30
1586.74	-22.40	1606.94	-22.30	1636.87	-22.20	1656.59	-22.00	1676.69	-21.60
1697.70	-21.70	1728.33	-21.80	1748.34	-21.60	1768.54	-21.40	1788.98	-21.40
1820.36	-21.40	1840.56	-20.50	1861.47	-19.10	1882.20	-19.10	1902.51	-19.30
1922.34	-19.20	1942.61	-19.50	1962.69	-20.30	1983.90	-20.80	2015.73	-20.70
2034.60	-21.00	2053.67	-21.30	2075.53	-22.00	2106.65	-21.30	2125.89	-20.80
2146.17	-19.60	2165.47	-19.40	2185.96	-18.90	2207.13	-19.00	2227.47	-18.60
2257.80	-18.40	2278.94	-18.00	2297.86	-17.30	2325.21	-16.50	2345.41	-16.30
2366.84	-15.50	2388.58	-14.40	2408.51	-13.50	2428.21	-13.50	2448.48	-13.20
2468.84	-13.60	2488.16	-14.20	2507.19	-14.80	2527.17	-15.60	2548.37	-17.10
2569.12	-14.50	2587.93	-14.30	2616.74	-13.50	2637.04	-13.70	2666.33	-14.50
2685.22	-15.30	2704.02	-16.30	2723.64	-17.10	2743.49	-17.00	2762.94	-17.40
2790.03	-20.00	2819.67	-23.70	2849.19	-24.30	2868.76	-24.60	2887.76	-24.80
2906.86	-25.30	2935.88	-26.00	2956.25	-26.40	2975.87	-26.90	2994.83	-27.40
3015.67	-27.80	3036.03	-28.40	3055.36	-29.20	3076.14	-29.80	3096.32	-30.40
3126.59	-31.00	3147.38	-32.00	3167.46	-33.50	3187.48	-34.40	3216.83	-35.70
3236.41	-36.40	3257.43	-37.60	3277.25	-38.20	3306.90	-38.80	3326.58	-39.40
3346.97	-39.90	3368.60	-40.00	3399.60	-40.70	3419.62	-41.00	3439.05	-41.50
3459.03	-41.90	3489.13	-43.20	3508.72	-43.70	3536.13	-44.50	3555.15	-45.10
3573.41	-45.80								
R-046		680304.28		953388.19		100.0		7.06	
100CT19	230CT19	176	00	27	149				

002.80	5.80	017.33	5.80	030.44	7.50	043.66	8.90	069.19	8.70
095.15	8.60	114.27	7.80	130.29	6.80	150.33	7.00	158.00	7.50
161.00	5.60	173.00	4.60	195.00	1.90	215.00	-0.40	225.00	-3.50

250.00	-3.30	272.00	-3.10	294.00	-3.20	314.00	-3.40	339.00	-4.10
353.00	-4.80	371.00	-5.60	390.00	-6.70	412.00	-7.70	432.00	-8.90
453.00	-10.20	475.00	-11.10	489.27	-12.20	507.75	-13.10	526.28	-13.70
545.04	-14.00	563.52	-14.50	582.16	-14.90	600.97	-15.30	628.89	-14.70
647.45	-16.10	666.38	-16.00	685.45	-15.70	704.30	-15.40	723.15	-15.40
751.31	-14.90	769.96	-13.60	788.67	-13.90	807.61	-14.60	826.18	-14.70
844.54	-16.00	871.88	-16.30	890.08	-17.40	908.18	-17.10	926.71	-18.20
945.36	-18.10	963.69	-18.80	982.59	-19.20	1000.92	-19.30	1028.67	-19.20
1047.32	-19.30	1065.53	-19.30	1083.63	-19.50	1110.81	-19.30	1129.29	-19.40
1147.56	-19.30	1165.96	-18.40	1184.65	-17.70	1203.63	-19.00	1222.60	-19.60
1250.30	-20.10	1269.06	-20.50	1287.94	-18.40	1306.87	-17.20	1325.96	-18.00
1345.03	-17.60	1363.88	-18.20	1382.93	-18.90	1411.39	-18.50	1430.23	-19.60
1449.13	-20.20	1467.99	-20.70	1486.76	-20.80	1505.62	-21.20	1534.19	-21.30
1553.12	-21.40	1581.40	-21.40	1609.17	-21.60	1627.85	-21.60	1655.99	-21.50
1674.93	-21.40	1693.83	-21.70	1712.55	-21.20	1731.49	-20.70	1750.57	-20.60
1769.65	-19.80	1788.55	-17.60	1817.32	-17.30	1836.11	-17.40	1855.13	-17.70
1873.68	-18.20	1892.40	-18.70	1911.25	-19.40	1929.95	-20.00	1958.01	-20.60
1976.90	-21.10	1995.82	-20.80	2014.61	-21.10	2042.97	-21.10	2062.12	-21.10
2080.86	-21.30	2109.33	-20.40	2128.26	-20.20	2156.63	-19.70	2175.75	-19.70
2194.68	-20.00	2213.81	-20.10	2232.79	-19.90	2251.72	-19.50	2270.31	-19.30
2289.33	-19.60	2308.04	-19.20	2327.16	-18.90	2345.97	-18.50	2365.07	-18.40
2393.38	-18.30	2412.04	-17.70	2430.54	-17.50	2449.20	-16.70	2468.06	-14.70
2487.10	-14.20	2505.85	-13.00	2534.33	-11.70	2552.78	-11.50	2571.50	-11.70
2590.43	-11.30	2609.73	-10.80	2628.50	-12.10	2647.26	-10.50	2666.43	-14.70
2685.42	-16.40	2704.63	-17.10	2723.73	-17.40	2752.45	-17.90	2780.95	-19.30
2799.91	-20.90	2818.95	-23.30	2846.93	-24.70	2875.43	-26.30	2894.50	-27.30
2913.68	-29.00	2932.29	-29.70	2960.52	-30.70	2979.31	-31.20	3083.19	-33.40
3102.52	-34.00	3121.04	-34.60	3139.39	-34.90	3158.07	-35.60	3176.93	-36.10
3195.94	-36.60	3214.82	-37.30	3243.10	-38.50	3261.72	-38.70	3280.12	-38.50
3298.76	-38.50	3317.59	-38.50	3336.49	-38.40	3355.33	-38.30	3374.24	-38.30
3392.96	-38.30	3411.88	-38.30	3430.67	-38.20	3449.51	-38.20	3468.18	-38.40
3487.14	-38.50	3515.72	-38.30	3534.87	-38.50	3553.89	-38.60	3582.09	-39.00
3610.15	-39.00								

R-047 679657.61 953221.49 100.0 10.98
100CT19 230CT19 163 00 25 138

056.75	10.20	072.83	10.50	091.68	10.80	110.88	10.80	129.34	10.60
149.45	10.40	170.17	9.90	187.60	9.00	198.44	8.20	209.96	7.80
229.92	7.90	239.00	7.90	244.00	4.90	264.00	4.00	287.00	1.30
306.00	-1.00	314.00	-3.30	333.00	-3.80	355.00	-3.60	374.00	-3.80
394.00	-5.90	417.00	-4.70	440.00	-5.70	461.00	-6.70	485.00	-8.10
501.67	-9.40	523.47	-10.50	545.93	-11.80	575.15	-13.10	598.47	-14.00
621.84	-14.90	645.91	-15.40	688.29	-16.30	706.66	-16.40	725.02	-16.60
744.46	-16.00	765.11	-16.20	785.82	-16.60	813.71	-15.10	843.45	-16.10
864.59	-14.20	883.00	-14.20	902.24	-14.90	931.25	-13.00	950.16	-13.40
970.78	-14.30	990.83	-14.60	1009.79	-15.00	1038.55	-16.10	1058.20	-16.80
1077.54	-16.90	1097.74	-17.30	1117.80	-17.80	1137.41	-17.60	1157.14	-19.30
1176.11	-19.20	1196.39	-19.20	1217.86	-19.40	1254.65	-19.40	1285.49	-19.50
1315.81	-19.60	1334.66	-17.70	1353.99	-17.60	1373.32	-18.60	1401.86	-20.90
1421.11	-19.60	1440.59	-21.30	1459.18	-19.90	1478.39	-18.20	1499.71	-18.60
1528.17	-18.80	1547.04	-19.40	1568.93	-20.90	1588.57	-21.70	1616.94	-22.40
1646.40	-22.50	1676.14	-22.90	1695.72	-23.00	1716.33	-23.10	1736.55	-23.30
1765.33	-22.90	1785.51	-22.60	1816.23	-21.90	1834.97	-21.00	1854.68	-19.40
1874.39	-18.70	1902.60	-18.70	1922.05	-17.00	1951.77	-16.90	1970.97	-17.30
2000.27	-17.90	2019.88	-18.60	2039.31	-18.40	2058.88	-18.90	2078.56	-19.40
2097.63	-20.30	2128.24	-21.10	2148.73	-21.30	2175.76	-22.20	2195.09	-21.50
2216.24	-20.10	2245.97	-19.30	2265.98	-18.50	2286.76	-19.00	2305.30	-19.50
2323.81	-20.90	2344.98	-21.70	2364.07	-21.60	2383.48	-21.90	2412.88	-22.20
2431.40	-22.80	2450.73	-22.90	2490.36	-23.30	2510.56	-22.90	2530.39	-22.60
2548.70	-22.10	2567.09	-21.50	2586.13	-20.80	2615.56	-20.10	2634.46	-19.20
2663.41	-18.40	2684.73	-19.10	2704.58	-19.80	2723.82	-20.60	2742.65	-21.80
2770.21	-23.00	2790.64	-24.00	2811.22	-25.60	2830.03	-26.50	2858.16	-29.10
2876.91	-30.40	2906.03	-31.60	2926.22	-32.20	2954.24	-32.90	2972.71	-32.80
2992.59	-32.50	3013.56	-31.90	3033.43	-31.70	3052.30	-31.30	3072.19	-30.50
3091.42	-29.60	3110.34	-28.70	3129.47	-27.50	3148.78	-27.00	3166.93	-26.40
3187.12	-25.90	3207.08	-25.40	3226.07	-25.50	3245.66	-25.60	3274.61	-26.20
3295.00	-26.30	3314.77	-26.80	3334.09	-27.10	3361.14	-27.70	3379.97	-28.50
3409.45	-30.80	3428.11	-32.20	3446.93	-33.40	3465.40	-34.50	3499.49	-37.10
3525.47	-38.30	3551.69	-39.30	3576.68	-39.10				

R-048 678388.23 953070.34 100.0 10.92
100CT19 230CT19 174 00 33 141

018.03	13.20	027.60	13.00	038.24	13.00	057.90	13.00	076.08	12.40
088.08	12.10	108.15	11.00	121.61	10.00	133.21	9.50	145.78	8.50
168.83	7.10	189.61	5.90	210.08	5.50	229.80	6.20	238.00	6.40
243.00	4.10	252.00	3.30	272.00	4.20	297.00	0.40	307.00	-0.60
315.00	-2.70	333.00	-2.70	353.00	-2.40	378.00	-3.40	400.00	-3.70
422.00	-4.60	444.00	-5.40	469.00	-6.80	492.00	-7.90	514.00	-9.30
533.00	-10.40	557.00	-11.60	580.00	-12.40	603.53	-12.90	621.91	-13.50
640.71	-14.20	659.43	-14.20	678.32	-14.60	697.34	-14.80	716.52	-15.00
735.78	-15.20	754.71	-16.00	773.75	-16.40	792.92	-16.40	812.22	-16.60
831.36	-17.30	850.58	-17.40	869.73	-17.70	888.58	-17.90	917.62	-18.00
937.21	-17.90	966.37	-18.10	995.31	-17.50	1024.28	-17.80	1053.35	-17.30
1082.49	-17.10	1102.23	-17.60	1131.70	-17.20	1151.43	-16.90	1171.04	-18.40
1190.60	-19.00	1210.23	-19.10	1229.84	-19.00	1259.22	-19.00	1278.61	-19.10
1307.98	-18.90	1327.61	-19.00	1347.50	-18.90	1376.70	-18.90	1395.65	-18.80
1424.58	-18.80	1453.59	-18.70	1472.80	-18.60	1492.37	-18.60	1511.78	-18.70
1531.47	-18.70	1551.31	-18.80	1571.04	-18.90	1590.43	-19.00	1609.96	-18.90
1638.96	-19.00	1668.13	-19.00	1687.77	-19.00	1707.41	-19.00	1727.27	-19.20
1747.27	-19.10	1766.91	-19.30	1786.68	-19.40	1806.49	-19.40	1826.26	-19.60
1846.13	-19.60	1865.80	-19.80	1885.37	-19.60	1914.33	-19.20	1933.81	-18.90
1952.94	-18.40	1972.11	-17.90	2001.11	-17.50	2029.87	-18.10	2058.50	-17.40
2087.12	-17.90	2106.57	-18.10	2125.98	-18.40	2145.70	-18.70	2165.42	-18.40
2185.28	-18.30	2205.05	-17.80	2224.97	-17.40	2244.82	-17.80	2274.71	-18.00
2294.59	-18.40	2324.05	-18.50	2344.08	-18.90	2373.62	-19.70	2393.38	-19.60
2413.24	-20.40	2433.10	-18.00	2462.24	-18.10	2481.91	-18.50	2511.70	-18.40
2531.20	-23.00	2550.88	-22.80	2570.80	-21.60	2590.68	-21.40	2610.61	-20.80
2630.54	-20.10	2650.50	-19.30	2670.26	-19.40	2690.02	-19.80	2709.90	-20.10
2739.53	-20.60	2759.19	-21.20	2779.06	-22.40	2798.79	-22.90	2818.48	-23.70
2838.20	-25.10	2857.96	-26.00	2877.66	-27.00	2897.16	-27.80	2916.92	-29.50
2936.56	-30.90	2956.02	-32.50	2975.52	-34.20	2995.01	-35.10	3014.78	-35.00
3034.23	-35.20	3053.68	-35.20	3073.08	-35.20	3092.48	-35.60	3111.80	-35.70
3131.45	-35.70	3150.92	-35.40	3170.29	-32.50	3189.31	-29.70	3217.81	-22.90
3237.03	-23.60	3256.49	-27.70	3275.87	-30.70	3294.95	-32.30	3323.57	-33.00
3342.95	-30.40	3372.15	-32.80	3391.37	-34.30	3410.79	-34.60	3438.99	-32.80
3457.59	-29.90	3486.03	-30.90	3505.01	-33.90	3523.66	-33.60	3541.92	-34.60
3577.68	-35.50	3595.85	-36.00	3614.62	-36.60	3633.75	-37.10		
R-049		677260.43	952972.07	100.0	9.09				
	100CT19	230CT19	158 00	24 134					
014.42	10.60	029.05	10.10	045.12	9.60	063.24	8.90	081.18	8.40
100.53	7.70	123.88	6.80	148.38	6.30	170.49	6.20	190.20	6.60
205.00	7.10	209.00	5.00	231.00	4.50	255.00	1.30	270.00	-0.90
279.00	-3.00	302.00	-3.60	321.00	-3.50	345.00	-3.80	369.00	-4.10
393.00	-5.00	418.00	-6.00	442.00	-7.40	462.00	-8.50	486.02	-9.80
504.21	-11.00	523.94	-12.20	544.72	-13.10	567.55	-14.10	591.71	-14.40
615.50	-14.70	633.68	-14.60	654.41	-15.00	683.55	-13.40	702.42	-13.90
722.40	-13.90	759.43	-14.20	778.56	-14.30	809.03	-14.30	837.12	-14.30
869.55	-15.20	888.33	-15.60	906.88	-15.60	927.26	-15.70	946.80	-15.80
966.34	-16.40	986.27	-16.30	1015.80	-16.70	1045.10	-16.40	1075.45	-16.50
1095.49	-16.60	1113.64	-16.50	1133.54	-16.30	1163.36	-16.30	1193.23	-16.00
1212.98	-16.10	1231.14	-16.50	1250.53	-16.40	1270.19	-16.70	1300.49	-17.30
1320.00	-17.20	1338.82	-17.00	1358.85	-17.20	1379.30	-17.20	1399.18	-17.10
1419.30	-17.20	1448.82	-17.00	1468.09	-16.90	1497.59	-16.90	1527.17	-16.80
1547.62	-16.80	1568.72	-16.70	1588.26	-16.70	1607.87	-16.80	1647.37	-16.90
1667.67	-16.80	1686.09	-16.90	1706.55	-17.00	1737.76	-17.20	1756.90	-17.40
1775.72	-17.50	1795.49	-17.80	1815.26	-18.20	1835.07	-18.30	1855.30	-18.60
1874.85	-18.90	1893.13	-18.50	1914.07	-18.00	1934.25	-17.50	1952.61	-17.30
1971.68	-17.10	1991.09	-17.40	2011.70	-17.20	2032.44	-16.30	2052.46	-16.00
2080.52	-16.00	2099.95	-15.70	2129.64	-15.50	2150.48	-15.50	2170.53	-15.90
2199.64	-16.00	2229.06	-14.60	2249.85	-14.40	2269.33	-14.40	2288.23	-13.70
2318.32	-14.10	2339.03	-14.80	2357.16	-16.20	2385.74	-17.20	2415.69	-17.90
2443.88	-17.20	2464.34	-17.00	2484.01	-16.70	2511.18	-16.40	2530.24	-15.70
2551.18	-15.50	2570.94	-17.00	2589.91	-17.30	2608.85	-18.20	2627.58	-18.90
2647.37	-19.70	2666.75	-17.90	2693.69	-24.20	2712.51	-24.80	2732.03	-24.20
2750.72	-24.10	2786.47	-23.90	2806.26	-24.10	2835.23	-24.60	2854.17	-24.90
2884.26	-25.70	2903.16	-26.60	2932.28	-28.50	2952.70	-30.00	2970.93	-31.40
2991.12	-32.40	3020.66	-33.70	3039.10	-33.90	3059.32	-33.80	3079.43	-33.90
3098.38	-34.00	3116.88	-33.70	3145.39	-33.70	3174.97	-33.70	3203.99	-34.20
3223.28	-33.80	3241.98	-33.80	3272.61	-34.00	3302.53	-33.10	3321.32	-31.90
3342.32	-25.80	3375.02	-23.10	3396.06	-24.10	3416.01	-24.60	3445.56	-24.90
3467.31	-25.80	3494.33	-26.80	3512.74	-28.60				

R-050 676133.90 952949.58 100.0 10.48

100CT19 230CT19 161 00 23 138

002.99	8.70	017.36	9.00	034.50	10.20	045.66	11.70	060.79	8.80
065.26	8.10	076.70	7.70	100.38	7.20	120.13	7.40	125.00	7.50
129.00	5.00	145.00	4.80	163.00	2.40	185.00	-0.50	193.00	-3.20
214.00	-3.20	234.00	-2.90	254.00	-3.20	274.00	-3.80	296.00	-4.40
321.00	-5.60	345.00	-6.50	366.00	-7.80	391.00	-9.20	409.26	-10.60
429.31	-11.60	452.84	-13.00	496.10	-13.70	522.78	-14.00	540.87	-14.20
568.30	-14.40	595.19	-14.50	621.65	-14.60	639.85	-14.70	682.65	-14.90
709.27	-14.90	727.56	-14.80	763.42	-14.70	781.63	-13.40	799.69	-13.10
818.38	-14.80	854.39	-14.90	889.82	-15.00	908.21	-14.60	934.51	-15.90
961.45	-15.80	988.40	-16.40	1015.53	-16.40	1051.58	-16.40	1069.63	-17.00
1097.10	-17.50	1132.89	-16.90	1159.98	-16.60	1178.72	-16.50	1204.87	-16.00
1240.79	-16.10	1276.39	-15.90	1311.92	-16.60	1338.63	-16.70	1365.51	-17.20
1392.23	-18.00	1410.25	-18.10	1428.27	-18.40	1464.22	-18.60	1482.52	-18.70
1500.78	-18.80	1528.08	-18.80	1546.30	-18.90	1572.84	-19.20	1590.94	-19.20
1609.06	-19.30	1635.93	-19.30	1663.08	-19.40	1689.94	-19.60	1708.04	-19.70
1752.75	-19.70	1788.67	-19.70	1807.65	-19.70	1825.73	-19.60	1854.08	-19.60
1882.03	-19.60	1901.32	-19.70	1919.70	-19.60	1938.30	-19.60	1956.37	-19.60
1974.73	-19.50	1994.31	-19.30	2012.79	-19.10	2031.48	-18.40	2050.38	-16.70
2069.53	-15.40	2089.36	-15.10	2108.10	-14.60	2127.21	-13.80	2156.23	-13.30
2175.32	-13.50	2194.59	-13.80	2213.80	-14.10	2233.35	-14.00	2252.88	-14.50
2272.32	-14.90	2291.98	-15.50	2311.44	-14.60	2340.53	-14.90	2359.96	-15.80
2389.29	-16.00	2418.39	-15.30	2437.71	-15.20	2467.00	-15.40	2486.74	-16.00
2506.14	-16.90	2525.95	-18.00	2545.59	-18.50	2575.03	-18.30	2594.06	-23.00
2613.45	-26.30	2632.96	-26.90	2652.08	-27.20	2681.38	-27.40	2701.03	-27.10
2720.70	-24.40	2740.16	-23.60	2770.20	-25.90	2799.16	-25.20	2818.85	-25.90
2847.66	-26.60	2866.66	-27.60	2885.94	-28.60	2905.62	-29.50	2924.99	-30.00
2944.46	-31.20	2963.70	-31.80	2992.46	-32.40	3011.68	-32.80	3030.76	-33.30
3049.95	-33.50	3068.81	-33.60	3088.05	-33.00	3107.29	-32.20	3126.14	-31.80
3145.38	-32.10	3164.79	-31.00	3184.04	-31.40	3212.54	-31.50	3231.89	-31.80
3260.69	-32.40	3279.67	-32.30	3298.97	-31.80	3318.38	-32.30	3337.89	-33.20
3367.23	-33.70	3386.64	-32.20	3406.15	-32.40	3425.76	-32.80	3444.88	-31.80
3464.31	-31.50	3493.66	-33.90	3513.04	-34.10	3532.39	-34.40	3561.51	-34.40
3588.95	-35.10								

R-051 675262.25 952892.18 100.0 10.02

100CT19 230CT19 172 00 23 149

007.09	11.50	023.57	10.30	035.00	9.60	046.17	9.30	050.71	8.20
060.75	7.60	079.95	6.60	099.84	6.30	115.00	6.30	126.00	4.00
151.00	4.40	176.00	0.70	189.00	-0.90	196.00	1.10	219.00	-3.20
243.00	-3.30	266.00	-3.80	290.00	-4.40	315.00	-5.30	336.00	-6.50
362.00	-7.90	385.00	-9.10	406.00	-10.30	425.45	-11.20	444.30	-11.80
463.26	-12.50	483.87	-13.10	506.80	-13.80	529.36	-14.20	555.10	-14.90
573.44	-15.00	592.71	-15.10	611.77	-15.50	631.17	-14.40	650.83	-14.20
680.43	-14.30	700.52	-13.30	731.47	-11.90	750.58	-11.90	770.00	-11.80
789.65	-12.90	809.59	-11.50	829.07	-13.10	858.98	-12.50	878.48	-13.10
906.57	-13.60	937.93	-13.60	959.27	-14.10	978.15	-14.60	997.82	-15.00
1017.33	-14.70	1046.67	-15.40	1066.31	-16.80	1084.54	-17.10	1113.58	-17.50
1142.49	-18.60	1171.56	-18.70	1201.25	-17.90	1219.96	-17.60	1239.73	-16.30
1259.06	-15.20	1277.90	-14.80	1297.98	-15.70	1336.07	-15.80	1354.97	-14.00
1375.92	-14.80	1396.60	-15.10	1414.88	-16.00	1443.32	-16.60	1463.82	-18.90
1492.02	-20.00	1523.14	-20.40	1541.58	-20.70	1562.30	-21.10	1584.51	-21.30
1605.21	-21.80	1626.06	-19.40	1645.63	-19.70	1664.80	-20.40	1684.85	-20.80
1703.94	-21.20	1722.16	-21.20	1741.55	-21.10	1763.30	-20.20	1782.73	-19.50
1801.10	-19.40	1821.76	-19.90	1842.54	-20.10	1863.35	-20.20	1883.52	-20.20
1903.67	-20.00	1924.23	-19.90	1943.60	-19.20	1963.31	-17.70	1992.11	-16.80
2013.46	-16.40	2034.46	-14.50	2052.92	-13.60	2072.87	-12.90	2094.60	-12.20
2113.69	-11.40	2132.35	-11.40	2152.51	-11.90	2181.42	-12.20	2199.85	-12.50
2228.65	-12.50	2248.70	-13.10	2287.11	-14.40	2307.04	-15.40	2336.24	-15.40
2365.35	-14.60	2386.38	-15.10	2413.88	-16.90	2431.97	-15.40	2451.61	-15.60
2471.66	-16.80	2491.06	-17.20	2510.26	-17.80	2530.28	-19.20	2549.44	-22.00
2568.37	-24.30	2587.94	-25.40	2606.90	-25.40	2627.72	-25.30	2659.05	-25.70
2677.14	-26.20	2697.32	-22.30	2717.26	-22.10	2737.00	-22.40	2756.20	-22.70
2775.24	-23.50	2795.45	-24.20	2816.75	-24.10	2837.40	-25.30	2855.60	-26.40
2887.63	-28.80	2916.57	-30.30	2944.52	-30.60	2965.97	-31.50	2984.27	-31.80
3002.87	-32.70	3026.42	-32.40	3058.95	-33.20	3077.63	-33.30	3099.73	-33.30
3130.87	-33.40	3151.71	-33.40	3191.09	-32.50	3211.25	-32.20	3232.17	-32.20
3251.87	-31.60	3270.63	-30.90	3289.73	-32.10	3312.40	-32.70	3334.32	-32.70
3360.86	-32.40	3382.00	-32.90	3402.45	-32.40	3423.17	-33.10	3452.55	-33.10

3472.88	-32.80	3493.51	-33.40	3512.09	-34.00	3532.60	-34.40	3563.09	-37.40
3582.51	-36.40	3601.81	-36.10	3621.86	-36.60	3649.78	-38.50	3670.80	-40.40
3689.98	-42.00	3708.37	-43.00						
T-052		674202.76		952717.37		100.0	8.29		
100CT19	230CT19	165	00	26	139				
003.01	9.50	012.66	8.50	029.59	8.40	039.44	8.30	049.38	7.90
058.97	7.80	079.96	7.20	100.75	6.90	120.00	6.80	131.00	7.00
136.00	4.00	148.00	3.20	166.00	3.70	187.00	0.90	199.00	-1.10
210.00	-2.70	230.00	-3.00	250.00	-3.40	271.00	-4.30	291.00	-4.90
314.00	-5.70	331.00	-6.60	357.00	-7.80	378.00	-9.00	400.00	-10.40
424.00	-11.50	449.00	-12.60	477.93	-14.10	504.10	-15.40	539.31	-16.40
565.84	-17.10	592.37	-17.50	610.39	-17.70	628.64	-17.90	646.90	-18.20
665.05	-18.40	683.58	-18.70	701.85	-18.90	720.38	-18.20	738.96	-18.40
766.40	-18.10	784.87	-18.40	803.28	-17.80	821.66	-16.60	840.30	-16.80
977.06	-13.90	1006.42	-15.20	1034.59	-16.00	1056.81	-16.00	1081.16	-16.30
1106.79	-16.60	1133.65	-17.10	1151.72	-17.10	1170.10	-17.30	1188.59	-17.40
1207.66	-17.70	1225.97	-18.00	1244.23	-18.30	1262.54	-18.90	1289.11	-18.80
1307.59	-19.00	1326.49	-18.80	1345.02	-19.20	1372.90	-19.30	1391.51	-17.60
1410.18	-17.30	1428.28	-15.30	1456.07	-16.40	1483.43	-16.30	1501.58	-16.50
1528.54	-16.30	1546.65	-17.20	1565.28	-18.10	1584.00	-18.30	1602.82	-18.60
1621.76	-19.80	1640.58	-19.60	1659.03	-20.80	1677.96	-21.00	1705.93	-21.30
1733.77	-21.70	1751.84	-21.70	1779.23	-21.60	1807.14	-21.70	1825.73	-21.50
1844.22	-21.60	1862.58	-21.60	1890.03	-21.70	1908.42	-21.50	1936.20	-21.40
1954.87	-21.40	1972.92	-21.40	2000.25	-21.40	2018.65	-21.60	2037.03	-20.70
2055.48	-21.00	2074.07	-21.10	2092.44	-20.40	2120.32	-18.90	2147.95	-18.30
2166.18	-17.40	2184.92	-16.40	2203.64	-15.90	2221.89	-15.40	2240.32	-15.00
2268.24	-14.90	2295.89	-14.40	2314.32	-13.50	2342.28	-13.60	2361.11	-13.20
2379.74	-13.90	2398.32	-14.00	2416.84	-13.90	2453.14	-14.80	2471.25	-15.50
2489.37	-16.00	2517.22	-16.40	2535.97	-16.80	2554.55	-17.20	2573.21	-19.70
2591.80	-23.00	2610.43	-26.50	2638.63	-27.50	2657.21	-27.90	2685.14	-28.00
2703.91	-28.10	2722.28	-28.20	2749.95	-28.40	2776.32	-25.80	2802.65	-23.20
2828.83	-23.90	2854.07	-27.00	2880.15	-26.20	2906.85	-27.20	2925.28	-27.40
2943.95	-28.90	2980.18	-31.30	2998.36	-32.70	3016.56	-32.90	3043.96	-33.90
3071.29	-34.20	3089.58	-34.20	3116.90	-34.20	3135.39	-34.40	3153.93	-34.20
3172.50	-34.10	3191.19	-34.60	3209.64	-34.10	3237.59	-34.40	3256.37	-35.60
3275.14	-34.60	3303.02	-35.00	3321.66	-36.10	3339.78	-36.60	3358.06	-36.20
3385.32	-35.10	3404.06	-36.50	3422.28	-33.10	3450.39	-33.60	3478.35	-34.30
3497.00	-34.80	3515.56	-34.70	3534.21	-35.00	3552.82	-36.10	3580.83	-36.10
R-053		673343.54		952654.57		100.0	9.06		
100CT19	230CT19	170	00	25	145				
002.20	9.30	002.33	8.00	009.94	8.40	018.11	8.70	026.44	7.20
035.39	6.90	042.91	6.60	060.59	6.00	080.17	6.10	086.00	6.40
089.00	4.50	108.00	3.90	118.00	3.60	141.00	0.40	154.00	-1.30
159.00	-2.30	183.00	-2.90	202.00	-3.20	230.00	-4.30	255.00	-5.20
282.00	-6.40	302.00	-7.80	322.00	-9.20	346.00	-10.30	370.00	-11.60
391.61	-12.40	430.43	-14.20	451.07	-15.00	472.54	-15.30	491.14	-15.50
511.50	-15.70	530.37	-16.00	549.53	-16.30	568.41	-17.10	588.21	-17.50
617.49	-17.30	645.97	-17.60	665.18	-18.50	684.08	-18.80	703.66	-19.00
723.85	-18.20	743.64	-17.50	763.40	-17.10	785.19	-17.40	805.67	-17.00
831.77	-17.00	852.80	-16.70	874.20	-15.70	893.33	-15.60	912.51	-14.40
931.49	-13.90	950.44	-12.80	970.54	-13.60	990.70	-11.90	1009.21	-13.70
1027.60	-13.20	1047.27	-14.30	1084.32	-15.90	1114.11	-16.40	1134.47	-16.70
1160.46	-18.00	1179.55	-17.70	1198.87	-17.80	1216.89	-17.90	1235.77	-18.10
1264.44	-18.40	1284.57	-18.50	1312.36	-19.20	1342.81	-19.50	1378.96	-19.50
1399.74	-19.10	1419.36	-18.80	1446.85	-17.40	1466.71	-15.50	1486.17	-14.90
1505.74	-15.70	1543.12	-16.10	1574.47	-16.90	1602.34	-17.80	1620.79	-17.70
1641.27	-18.80	1662.62	-19.00	1681.23	-19.50	1699.75	-19.60	1719.55	-19.20
1739.74	-19.80	1759.52	-20.30	1778.35	-20.40	1797.39	-20.60	1824.96	-20.30
1843.21	-19.40	1863.27	-19.90	1883.23	-19.60	1901.73	-19.00	1919.94	-19.60
1939.42	-20.30	1959.39	-20.60	1977.73	-20.90	1997.04	-21.10	2016.41	-20.80
2034.96	-20.40	2054.95	-20.00	2075.89	-19.50	2094.94	-19.40	2123.49	-18.70
2144.18	-17.10	2163.65	-15.50	2199.76	-14.90	2231.57	-13.80	2250.51	-13.60
2268.82	-13.30	2296.74	-14.00	2328.79	-13.90	2348.19	-13.20	2386.21	-11.90
2407.04	-12.80	2426.12	-13.50	2444.52	-13.90	2464.96	-14.60	2493.51	-14.60
2511.67	-15.10	2532.46	-15.70	2552.48	-16.60	2588.80	-20.60	2618.17	-23.60
2646.05	-25.40	2664.64	-25.50	2684.36	-26.20	2712.25	-26.40	2740.26	-26.30
2760.28	-26.70	2779.12	-26.90	2797.79	-26.90	2818.42	-26.20	2837.57	-27.40
2865.94	-28.50	2886.00	-28.00	2905.67	-28.00	2933.88	-28.70	2961.33	-29.90
2981.78	-30.10	3001.88	-30.80	3021.54	-31.20	3040.97	-32.10	3060.60	-31.50

3080.03	-32.50	3098.09	-32.60	3116.71	-30.80	3146.20	-30.50	3165.58	-31.10
3193.85	-31.80	3223.63	-33.00	3242.85	-34.00	3261.18	-32.80	3279.85	-33.70
3299.08	-34.60	3318.87	-35.60	3338.87	-35.70	3357.89	-36.20	3377.72	-36.30
3397.52	-36.40	3417.29	-37.30	3435.58	-37.40	3464.28	-37.70	3483.73	-38.00
3510.49	-38.00	3529.89	-37.90	3548.30	-37.90	3567.70	-37.90	3595.09	-37.70

R-054 672252.19 952558.47 100.0 9.50
100CT19 230CT19 172 00 20 152

002.70	9.70	018.14	9.50	032.98	8.40	042.74	7.30	050.28	6.90
072.96	6.30	083.00	6.60	085.00	4.40	092.00	4.10	110.00	4.30
128.00	2.00	152.00	-1.10	158.00	-2.50	181.00	-2.20	199.00	-3.30
224.00	-4.50	245.00	-4.80	264.00	-5.40	284.00	-6.80	308.00	-7.90
341.45	-9.90	364.06	-10.90	388.85	-12.30	423.38	-13.70	450.15	-14.90
468.58	-15.40	487.01	-15.60	514.99	-16.00	534.08	-16.30	562.34	-16.60
597.89	-17.40	624.44	-17.90	642.58	-18.10	669.80	-18.10	704.65	-18.20
731.66	-18.90	750.19	-19.20	768.78	-19.30	787.15	-19.20	806.15	-17.90
825.08	-18.20	843.88	-16.90	872.64	-16.30	891.26	-17.10	910.01	-16.20
928.42	-16.20	956.62	-15.90	984.62	-13.50	1003.49	-13.70	1022.11	-14.10
1040.19	-14.20	1058.76	-14.70	1076.89	-16.10	1104.12	-17.40	1131.61	-17.70
1150.14	-18.00	1168.46	-18.30	1195.08	-18.40	1221.04	-18.60	1256.46	-18.80
1274.94	-18.90	1293.39	-19.10	1312.07	-19.20	1340.48	-19.40	1359.10	-19.60
1377.55	-19.70	1396.33	-19.90	1415.34	-19.90	1433.76	-19.60	1462.04	-19.40
1480.79	-17.80	1499.71	-17.60	1518.39	-17.40	1536.67	-15.50	1564.23	-16.50
1582.66	-17.00	1601.31	-17.10	1619.91	-17.50	1638.38	-18.80	1657.12	-19.50
1675.52	-19.90	1694.38	-19.90	1722.79	-20.10	1741.15	-20.10	1759.81	-20.30
1778.33	-20.30	1796.48	-20.40	1831.99	-20.60	1850.09	-20.50	1878.23	-20.50
1896.81	-20.60	1924.36	-20.70	1952.37	-21.00	1971.44	-21.20	1990.11	-21.60
2008.54	-21.90	2036.29	-21.60	2055.03	-21.20	2073.34	-21.00	2091.93	-20.80
2110.74	-20.20	2138.01	-19.10	2165.34	-18.00	2183.86	-16.80	2201.88	-15.60
2228.36	-14.50	2256.05	-15.80	2274.40	-14.90	2293.17	-14.20	2311.64	-14.10
2330.14	-14.30	2348.96	-13.70	2367.90	-13.30	2386.50	-12.80	2404.88	-12.60
2433.02	-12.80	2451.71	-13.60	2470.46	-13.90	2489.13	-13.90	2507.76	-14.10
2526.20	-14.60	2544.61	-15.00	2572.28	-15.40	2590.81	-15.70	2609.35	-16.20
2628.12	-16.10	2646.65	-17.30	2665.33	-21.40	2684.00	-23.90	2702.25	-24.60
2720.52	-25.10	2739.08	-24.80	2757.77	-25.30	2776.20	-25.10	2804.12	-25.80
2822.76	-26.30	2849.61	-27.70	2867.86	-29.20	2886.37	-29.60	2905.07	-29.50
2923.78	-30.60	2942.47	-30.60	2960.85	-30.50	2979.53	-30.30	2998.21	-30.40
3016.68	-30.10	3035.49	-30.20	3053.99	-30.10	3073.01	-29.90	3091.98	-29.50
3110.82	-30.30	3138.58	-29.70	3157.51	-28.30	3176.62	-26.60	3195.53	-25.90
3223.86	-26.10	3242.39	-28.50	3260.97	-28.30	3279.64	-30.00	3298.47	-30.60
3317.45	-32.20	3345.50	-34.40	3363.79	-35.20	3391.33	-35.00	3409.70	-35.10
3427.88	-35.20	3446.55	-34.90	3465.38	-33.40	3501.31	-34.40	3528.66	-35.00
3547.00	-34.80	3574.85	-34.90						

R-055 671251.59 952420.30 100.0 11.11
100CT19 230CT19 160 00 20 140

002.69	8.10	015.30	8.00	023.94	7.50	029.79	7.00	050.17	6.50
069.43	6.40	074.00	6.30	090.00	3.20	110.00	2.60	135.00	0.20
159.00	-0.40	183.00	-2.20	207.00	-3.10	235.00	-3.90	260.00	-5.10
283.00	-6.50	314.00	-8.10	337.00	-9.60	354.00	-11.10	385.00	-12.30
413.85	-13.60	437.46	-14.60	471.17	-15.40	496.63	-15.90	515.58	-16.10
534.69	-16.40	571.45	-16.80	590.43	-17.00	608.64	-17.20	636.65	-17.50
663.52	-18.00	683.43	-18.10	710.99	-18.80	737.45	-18.90	758.85	-19.50
795.24	-19.30	813.85	-20.10	833.08	-20.30	860.98	-20.60	890.10	-19.70
919.47	-18.70	948.13	-18.80	976.51	-18.10	1004.36	-18.90	1022.60	-18.10
1040.75	-19.10	1068.27	-17.90	1096.61	-16.60	1124.36	-14.90	1159.96	-15.10
1180.81	-15.70	1200.26	-16.00	1218.75	-17.00	1237.26	-18.80	1255.99	-19.60
1275.33	-20.00	1294.49	-20.10	1321.97	-20.40	1349.88	-21.10	1378.92	-21.70
1397.87	-21.80	1416.31	-21.90	1434.45	-22.10	1462.76	-22.40	1489.81	-22.30
1509.50	-22.00	1528.80	-21.60	1555.74	-21.40	1584.13	-20.10	1602.89	-20.00
1632.10	-17.90	1659.34	-16.60	1678.31	-17.00	1697.21	-17.40	1726.03	-17.90
1753.01	-18.50	1771.49	-19.10	1792.30	-19.40	1820.83	-19.50	1840.69	-19.30
1858.80	-19.20	1886.94	-18.90	1908.17	-18.50	1928.20	-18.20	1947.18	-17.90
1974.56	-18.00	1993.05	-18.30	2011.89	-18.40	2047.58	-18.10	2067.09	-18.10
2085.35	-18.60	2112.63	-18.40	2131.97	-18.40	2150.77	-18.10	2179.08	-18.20
2197.28	-18.10	2216.46	-17.60	2235.24	-16.20	2271.45	-16.30	2290.48	-15.70
2316.93	-15.50	2336.21	-14.10	2361.16	-12.80	2380.03	-12.10	2417.54	-11.60
2443.19	-11.80	2462.10	-12.50	2480.77	-12.70	2516.84	-12.70	2552.40	-11.10
2571.24	-11.60	2590.47	-12.10	2609.29	-12.50	2635.61	-14.00	2654.97	-13.70
2674.93	-14.00	2693.13	-13.90	2711.73	-14.70	2731.82	-15.20	2759.61	-15.80
2778.54	-16.50	2797.99	-17.10	2824.78	-18.00	2855.11	-22.60	2881.00	-25.30

2899.96	-26.20	2919.52	-26.60	2944.60	-26.40	2964.18	-26.60	2993.62	-26.60
3019.76	-26.90	3039.33	-26.80	3059.23	-26.50	3079.35	-26.70	3099.77	-26.50
3118.67	-25.70	3137.59	-22.80	3156.10	-22.70	3175.46	-23.80	3194.75	-24.90
3222.65	-25.00	3241.32	-24.60	3260.05	-24.70	3278.75	-25.10	3297.59	-26.40
3324.31	-27.20	3351.51	-28.30	3371.00	-28.80	3389.32	-30.10	3415.83	-31.20
3434.15	-31.90	3453.44	-32.40	3488.75	-33.50	3510.19	-35.30	3537.02	-36.20
3555.21	-36.30	3584.02	-36.10	3602.25	-36.70	3626.87	-36.30	3653.56	-36.50
R-056		670330.90		952245.20		90.0	11.42		

100CT19 230CT19 157 00 26 131

021.25	8.80	025.86	8.50	029.23	7.60	044.33	7.80	062.82	7.60
079.58	7.30	099.72	6.70	099.78	7.10	103.00	6.80	106.00	4.30
122.00	3.20	136.00	3.50	156.00	0.60	167.00	-0.90	187.00	-1.40
211.00	-2.20	234.00	-3.30	253.00	-3.80	278.00	-4.80	302.00	-5.90
320.00	-7.00	339.00	-8.10	361.00	-9.50	383.00	-10.80	407.00	-12.10
423.54	-13.00	449.93	-14.10	476.91	-15.30	495.33	-16.00	513.48	-16.40
540.04	-16.90	566.91	-17.20	584.94	-17.20	611.97	-17.50	646.93	-17.80
691.07	-17.10	726.36	-18.00	752.69	-18.50	778.89	-18.60	805.67	-18.60
832.22	-19.30	867.91	-19.60	903.79	-19.40	922.06	-19.70	940.18	-19.70
958.39	-19.00	976.62	-19.90	1003.78	-20.60	1030.88	-20.90	1057.79	-21.50
1076.07	-21.20	1094.32	-20.60	1112.60	-21.10	1130.95	-18.70	1149.03	-19.70
1167.34	-19.30	1194.20	-19.60	1212.22	-18.20	1230.45	-16.90	1258.02	-17.00
1276.39	-16.00	1320.89	-15.20	1346.96	-16.90	1373.44	-17.10	1400.23	-19.60
1435.97	-20.40	1472.02	-21.40	1498.84	-21.70	1534.29	-21.80	1552.29	-22.00
1579.09	-21.90	1605.89	-22.00	1624.11	-21.80	1642.14	-21.80	1660.27	-21.50
1678.43	-22.00	1705.94	-22.00	1733.36	-19.60	1751.40	-17.50	1778.67	-17.30
1797.15	-16.50	1815.38	-16.70	1833.89	-16.90	1852.22	-17.70	1870.82	-18.50
1898.26	-19.90	1925.07	-20.90	1943.15	-20.70	1961.33	-20.80	2005.32	-21.90
2049.40	-21.80	2084.77	-21.50	2111.30	-20.80	2137.92	-20.10	2164.65	-19.50
2200.47	-19.20	2236.36	-19.00	2271.92	-18.70	2299.09	-18.10	2317.29	-18.20
2335.47	-17.90	2362.92	-17.70	2381.14	-17.50	2408.15	-16.50	2435.02	-15.30
2461.84	-14.30	2487.79	-13.20	2514.43	-11.90	2541.12	-11.30	2567.35	-11.90
2585.45	-12.60	2603.74	-13.70	2631.21	-14.60	2649.52	-11.30	2676.86	-11.60
2695.14	-12.10	2722.74	-12.70	2749.91	-13.10	2777.18	-13.10	2804.28	-14.80
2822.44	-14.40	2840.93	-15.10	2858.95	-15.90	2885.93	-16.80	2904.09	-17.50
2939.90	-21.30	2958.07	-23.40	2976.10	-24.60	2994.56	-25.40	3012.96	-25.60
3040.01	-25.80	3084.71	-26.30	3102.83	-26.30	3129.21	-26.30	3155.84	-26.20
3182.55	-26.50	3209.32	-26.90	3236.48	-26.60	3263.16	-23.70	3299.27	-22.80
3325.70	-24.20	3352.75	-24.10	3379.99	-24.90	3406.96	-26.10	3425.19	-27.10
3443.28	-27.80	3461.28	-28.40	3488.15	-29.60	3523.59	-30.30	3550.59	-32.20
3568.63	-31.30	3586.71	-32.80	3604.90	-32.70	3623.07	-34.40	3667.67	-34.40
3694.98	-34.50	3721.64	-35.00						

R-057		669349.13		952119.67		90.0	10.92		
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100CT19 230CT19 160 00 23 137

011.50	9.10	018.61	9.40	022.36	8.70	030.29	8.10	041.78	7.70
054.76	7.20	072.19	6.50	090.20	6.30	109.83	6.80	117.00	6.60
121.00	4.20	142.00	3.30	164.00	0.90	187.00	-1.50	212.00	-2.40
236.00	-3.40	260.00	-4.00	284.00	-5.00	309.00	-6.20	332.00	-7.60
357.00	-8.90	377.00	-10.00	393.00	-11.10	421.05	-12.00	439.58	-13.00
466.74	-14.00	495.39	-15.40	513.53	-15.90	531.67	-16.30	551.63	-16.70
587.41	-17.30	615.67	-17.40	634.67	-17.70	661.87	-16.90	681.53	-16.70
701.65	-16.50	720.36	-16.40	756.79	-16.50	784.18	-16.50	802.31	-16.90
820.57	-16.30	840.02	-16.90	858.70	-17.10	884.33	-17.10	914.65	-17.50
933.91	-17.40	951.99	-18.40	970.33	-18.70	990.20	-18.30	1009.77	-19.00
1037.25	-19.60	1064.95	-19.40	1083.64	-19.80	1102.29	-20.40	1121.31	-20.90
1157.58	-21.10	1186.87	-21.40	1224.13	-21.90	1262.41	-21.40	1299.49	-21.50
1318.18	-21.70	1338.12	-20.40	1363.56	-18.40	1384.07	-17.70	1402.48	-17.10
1420.73	-16.40	1440.48	-16.40	1476.12	-15.10	1496.66	-16.00	1522.63	-15.80
1541.54	-17.00	1560.39	-17.60	1587.05	-19.80	1613.94	-20.40	1632.52	-20.00
1669.14	-20.80	1688.07	-21.00	1716.61	-21.10	1753.41	-20.90	1772.02	-20.40
1799.96	-20.60	1835.01	-19.70	1854.91	-17.10	1872.98	-16.00	1891.11	-14.70
1909.26	-14.60	1927.75	-15.50	1947.03	-15.90	1973.85	-16.80	2003.09	-18.10
2029.96	-19.20	2049.79	-19.20	2070.22	-19.30	2088.63	-19.60	2107.02	-19.80
2125.96	-20.00	2145.97	-20.30	2164.19	-20.60	2182.19	-21.00	2201.61	-21.00
2228.54	-21.20	2247.08	-21.10	2265.09	-21.30	2283.78	-20.90	2302.37	-20.60
2321.19	-20.30	2341.43	-19.60	2377.53	-20.10	2396.16	-19.90	2423.35	-19.80
2443.06	-19.60	2462.20	-17.00	2498.57	-16.20	2517.97	-14.40	2544.66	-13.70
2562.86	-12.70	2589.39	-11.90	2625.43	-12.10	2651.92	-12.70	2669.92	-13.80
2688.42	-15.20	2715.23	-15.80	2751.58	-12.10	2770.61	-12.30	2796.87	-12.80
2814.93	-13.40	2851.28	-14.00	2877.87	-14.30	2896.85	-14.90	2924.02	-15.60

2942.42	-15.90	2962.61	-17.80	2989.05	-22.90	3017.72	-24.60	3035.73	-25.10
3062.09	-25.60	3081.12	-25.80	3109.07	-26.10	3127.16	-26.10	3163.46	-26.30
3189.21	-26.60	3207.68	-26.50	3243.61	-26.50	3262.25	-25.90	3281.06	-26.60
3307.62	-25.90	3326.16	-25.20	3344.36	-25.20	3362.95	-26.00	3381.21	-25.80
3417.76	-24.80	3437.12	-25.80	3470.83	-25.50	3489.99	-25.70	3509.45	-26.80
3527.63	-28.00	3546.23	-30.30	3564.79	-30.80	3591.03	-32.50	3614.68	-33.00
R-058		668216.21		952018.18		95.0	11.67		
	100CT19	230CT19	174	00	26	148			

012.27	12.40	016.39	12.90	025.27	12.20	035.17	11.10	042.76	9.80
046.41	9.70	056.44	7.80	062.81	7.20	074.94	6.90	090.10	7.20
094.00	7.30	097.00	4.50	107.00	3.60	122.00	4.00	142.00	1.10
154.00	-1.30	172.00	-1.90	191.00	-2.30	218.00	-3.50	241.00	-4.00
259.00	-4.80	280.00	-5.80	304.00	-7.40	327.00	-8.80	349.00	-10.20
372.00	-11.60	394.69	-12.70	421.95	-13.80	449.07	-14.90	467.44	-15.60
485.76	-16.30	504.15	-16.50	522.58	-16.80	541.19	-16.90	559.79	-16.70
578.48	-16.60	597.12	-16.80	615.85	-15.40	643.84	-15.80	662.55	-16.10
681.19	-15.20	699.57	-15.70	717.78	-15.90	736.06	-15.70	754.40	-16.00
773.02	-16.50	791.38	-15.90	810.18	-15.90	837.59	-16.50	855.78	-16.60
882.72	-16.10	909.94	-16.00	928.12	-17.10	946.31	-16.40	964.83	-16.90
983.45	-16.90	1002.17	-17.80	1020.43	-18.10	1038.96	-18.90	1057.50	-18.90
1085.14	-19.80	1103.66	-19.40	1122.43	-20.20	1150.47	-20.30	1178.19	-20.60
1196.95	-20.90	1215.52	-20.90	1233.93	-21.90	1252.38	-23.10	1270.60	-23.40
1289.25	-23.60	1307.63	-23.90	1326.30	-23.80	1344.65	-23.80	1363.06	-23.10
1381.34	-23.60	1399.67	-22.20	1418.20	-22.70	1436.50	-21.60	1464.30	-20.80
1482.71	-18.90	1500.89	-18.30	1519.10	-17.60	1554.99	-16.20	1573.20	-17.30
1600.62	-17.50	1619.00	-18.20	1645.99	-19.30	1664.33	-20.20	1682.39	-19.70
1700.48	-20.90	1728.06	-21.50	1746.35	-21.50	1764.67	-22.10	1792.30	-22.10
1820.28	-22.00	1848.08	-22.00	1876.29	-22.00	1895.09	-21.40	1922.85	-20.60
1941.42	-18.50	1959.91	-18.40	1978.17	-17.10	1996.60	-15.70	2015.32	-15.80
2042.87	-16.40	2061.37	-17.20	2088.85	-17.60	2107.25	-18.90	2125.72	-19.30
2153.78	-19.30	2181.63	-19.60	2200.20	-20.00	2218.89	-20.10	2237.89	-20.40
2256.62	-20.60	2275.56	-20.90	2294.34	-20.80	2313.25	-20.90	2341.66	-20.90
2360.73	-19.40	2379.38	-18.80	2397.99	-18.80	2416.58	-18.30	2435.31	-18.10
2454.03	-18.60	2472.39	-18.40	2490.92	-17.90	2509.54	-16.30	2527.88	-14.80
2546.44	-14.10	2565.06	-13.10	2583.45	-12.00	2601.98	-11.50	2630.00	-11.00
2648.59	-10.90	2676.30	-11.80	2704.54	-12.30	2723.41	-12.90	2741.71	-13.80
2769.59	-14.50	2787.94	-14.80	2806.43	-12.90	2833.99	-12.50	2861.63	-13.40
2880.18	-13.90	2908.01	-14.40	2926.70	-15.20	2954.84	-16.00	2973.68	-15.70
2992.39	-16.60	3011.10	-17.40	3039.00	-21.80	3057.90	-23.10	3076.47	-24.30
3095.15	-24.60	3113.54	-24.80	3131.59	-24.90	3158.76	-25.10	3195.11	-25.30
3222.43	-25.50	3240.52	-25.30	3267.93	-25.60	3286.17	-25.80	3313.84	-26.20
3332.09	-25.30	3359.39	-23.20	3386.33	-24.60	3421.42	-26.40	3448.25	-28.70
3475.56	-28.30	3494.04	-29.10	3520.80	-28.30	3546.86	-28.40		
R-059		667325.03		951973.93		100.0	9.13		
	100CT19	230CT19	165	00	22	143			

-001.68	9.30	003.92	9.40	008.06	10.00	015.81	9.90	024.84	8.60
032.92	7.40	044.82	6.70	064.75	6.30	070.00	6.50	074.00	4.30
094.00	4.30	105.00	3.70	130.00	0.20	144.00	-1.60	164.00	-2.60
192.00	-3.30	214.00	-4.50	235.00	-5.20	256.00	-6.10	277.00	-7.20
300.00	-8.30	319.00	-9.40	344.43	-10.70	380.23	-12.80	398.68	-13.50
418.12	-14.40	437.19	-14.90	466.58	-15.60	486.97	-16.10	507.36	-16.40
529.45	-16.60	559.72	-16.80	579.07	-16.90	598.66	-16.60	630.49	-16.80
651.42	-15.90	682.65	-16.00	702.50	-15.60	722.26	-16.10	741.42	-16.70
761.96	-16.40	793.00	-16.10	825.30	-16.10	846.35	-16.40	866.59	-15.80
885.53	-15.80	915.97	-16.00	948.17	-17.00	970.34	-17.40	990.36	-17.80
1009.73	-18.20	1029.94	-18.60	1059.95	-19.20	1080.27	-18.90	1101.02	-19.30
1121.33	-19.90	1149.88	-20.20	1170.78	-21.10	1192.19	-21.50	1213.12	-22.60
1232.41	-23.00	1251.28	-23.80	1272.55	-24.40	1294.01	-25.90	1313.67	-26.50
1333.85	-26.60	1355.16	-26.70	1377.65	-26.50	1398.61	-26.30	1418.40	-26.00
1438.61	-26.00	1458.61	-25.60	1479.45	-25.40	1500.27	-23.10	1530.82	-20.90
1552.25	-20.40	1582.54	-20.40	1603.60	-18.80	1624.35	-19.50	1654.42	-22.20
1676.16	-23.90	1696.88	-24.80	1717.32	-25.60	1736.33	-26.00	1755.54	-25.90
1786.60	-25.90	1817.11	-25.90	1837.18	-25.80	1858.42	-25.70	1879.99	-25.50
1901.64	-25.30	1933.94	-25.00	1963.41	-24.90	1984.44	-24.80	2006.30	-20.20
2028.00	-18.90	2048.66	-18.30	2068.68	-18.00	2098.79	-18.70	2118.75	-19.10
2138.59	-20.10	2159.66	-20.60	2181.27	-21.50	2201.97	-21.60	2222.73	-21.60
2243.66	-21.50	2265.33	-21.80	2297.18	-22.20	2317.55	-22.40	2337.64	-22.80
2358.23	-22.70	2378.59	-22.60	2398.51	-22.90	2430.47	-22.00	2463.09	-20.30
2485.29	-19.60	2505.90	-20.00	2527.47	-19.30	2548.26	-19.60	2567.57	-18.20

2587.50	-17.20	2607.99	-15.50	2639.90	-14.70	2659.97	-14.10	2679.88	-13.80
2700.74	-13.30	2720.81	-12.30	2739.95	-12.60	2760.23	-12.80	2780.38	-13.40
2800.59	-14.20	2830.84	-14.10	2860.31	-14.60	2880.31	-14.90	2911.41	-15.70
2931.30	-15.80	2952.57	-16.50	2974.07	-22.40	2995.06	-23.50	3026.95	-24.40
3048.07	-25.30	3068.66	-26.40	3089.68	-27.80	3119.99	-29.00	3140.99	-29.10
3163.62	-29.00	3185.78	-29.00	3206.71	-29.00	3227.28	-29.00	3247.02	-29.00
3278.46	-29.00	3299.34	-28.80	3329.81	-28.80	3350.86	-28.50	3371.43	-28.00
3403.07	-28.60	3424.92	-28.80	3455.80	-29.10	3475.10	-29.40	3494.53	-31.00
3515.18	-29.80	3535.72	-30.00	3555.73	-30.40	3574.91	-31.10	3593.14	-30.60

R-060 666339.29 951818.49 105.0 13.68

100CT19 230CT19 169 00 23 146

034.26	8.90	043.08	8.80	051.27	10.80	063.31	8.90	073.84	6.80
084.77	6.10	105.06	6.00	109.00	6.00	111.00	4.50	119.00	3.40
142.00	3.20	163.00	0.80	186.00	-1.70	207.00	-2.10	230.00	-3.40
254.00	-4.40	280.00	-5.40	305.00	-6.70	328.00	-8.10	353.00	-9.70
378.00	-11.20	398.00	-12.30	419.00	-13.00	429.26	-13.30	447.38	-13.90
466.06	-14.70	484.24	-15.30	502.63	-15.80	521.28	-16.30	548.72	-16.80
567.18	-16.90	585.73	-16.90	604.55	-16.80	623.38	-16.50	642.06	-16.50
670.00	-16.10	696.85	-15.40	722.71	-15.40	758.66	-15.40	777.11	-15.60
796.18	-15.30	814.37	-15.30	833.12	-15.00	851.92	-14.80	870.58	-15.00
898.86	-15.40	926.85	-15.20	954.87	-15.20	983.76	-16.10	1002.15	-16.50
1030.14	-15.80	1049.00	-15.10	1067.75	-15.70	1086.50	-15.10	1105.51	-15.90
1133.94	-16.00	1152.51	-16.80	1171.76	-17.00	1190.11	-17.30	1209.01	-18.40
1227.93	-19.10	1256.29	-19.50	1275.03	-19.60	1293.83	-19.30	1312.54	-20.60
1340.28	-20.50	1359.51	-21.90	1377.67	-22.50	1405.70	-23.90	1433.84	-23.80
1453.02	-25.10	1480.34	-26.40	1507.60	-26.50	1542.36	-25.90	1568.74	-25.80
1594.69	-25.60	1620.96	-25.10	1648.33	-24.60	1666.96	-24.60	1685.38	-21.80
1704.09	-21.60	1723.24	-18.70	1741.24	-18.80	1759.41	-18.00	1786.23	-18.90
1812.55	-20.30	1830.63	-20.60	1857.89	-20.60	1876.22	-20.70	1894.57	-20.80
1912.84	-20.70	1931.07	-20.90	1949.38	-20.80	1967.84	-21.00	1986.35	-20.90
2004.56	-20.90	2022.83	-20.80	2049.53	-20.90	2075.98	-20.90	2103.02	-20.90
2121.67	-21.00	2140.18	-21.20	2158.71	-20.20	2177.26	-19.20	2195.72	-19.70
2223.52	-19.00	2242.21	-18.10	2261.06	-17.10	2313.62	-17.50	2355.78	-18.00
2382.88	-18.80	2409.95	-19.80	2436.78	-20.50	2463.72	-20.60	2491.16	-20.50
2509.74	-20.60	2528.28	-20.30	2546.80	-20.10	2565.36	-19.90	2584.02	-19.30
2602.46	-19.90	2620.90	-19.10	2639.36	-17.50	2657.81	-16.60	2676.20	-15.40
2704.06	-15.20	2731.91	-14.10	2750.27	-13.40	2768.44	-12.70	2786.74	-12.80
2804.85	-13.00	2823.40	-12.80	2842.22	-12.20	2860.72	-12.10	2879.22	-11.80
2897.88	-12.40	2916.20	-12.90	2934.40	-13.40	2952.63	-13.60	2970.95	-14.30
2989.22	-14.80	3016.71	-14.90	3035.01	-15.80	3062.48	-18.70	3080.85	-22.30
3099.36	-23.10	3155.34	-23.90	3174.14	-24.80	3192.77	-25.60	3220.67	-26.40
3248.70	-27.40	3267.67	-27.80	3286.33	-28.10	3305.00	-28.50	3333.30	-28.30
3352.08	-28.80	3380.33	-28.70	3399.36	-30.00	3418.26	-28.10	3437.11	-29.40
3456.21	-26.50	3475.17	-24.40	3493.66	-24.50	3512.23	-24.00	3530.86	-23.30
3549.47	-23.70	3567.95	-24.00	3586.71	-25.70	3605.31	-26.90		

R-061 665361.02 951633.78 95.0 10.29

100CT19 230CT19 179 00 18 161

049.28	9.70	055.44	8.90	069.98	8.40	087.20	7.90	104.92	7.50
124.75	7.30	132.00	7.00	141.00	3.60	160.00	3.70	168.00	3.80
191.00	0.40	215.00	-2.10	232.00	-2.70	265.00	-3.80	289.00	-4.50
312.00	-5.50	332.00	-6.50	357.00	-8.10	373.45	-9.20	396.54	-10.40
416.30	-11.60	438.64	-12.60	463.68	-13.80	481.88	-14.80	500.32	-15.40
518.34	-16.10	536.86	-16.90	557.16	-17.60	577.05	-18.00	595.48	-18.40
613.99	-18.80	635.04	-18.90	656.24	-19.20	675.56	-19.30	694.07	-19.30
712.92	-19.30	731.94	-19.40	759.69	-18.30	779.39	-18.20	799.13	-18.30
817.15	-18.30	835.32	-17.80	864.07	-17.90	882.73	-17.20	902.95	-16.90
922.89	-16.70	942.13	-16.70	960.69	-16.50	980.27	-15.90	1009.98	-15.90
1029.42	-15.40	1047.97	-15.70	1075.87	-16.00	1103.35	-16.30	1121.61	-17.30
1140.82	-17.30	1169.93	-18.00	1188.14	-17.30	1217.83	-17.20	1238.02	-17.60
1257.24	-17.30	1275.46	-17.10	1294.70	-17.50	1314.11	-16.90	1333.62	-17.10
1353.82	-18.40	1382.83	-17.90	1401.73	-18.90	1420.06	-19.30	1439.80	-20.10
1459.11	-20.00	1478.12	-21.60	1498.12	-24.20	1517.39	-27.60	1536.06	-27.90
1555.79	-27.90	1575.76	-28.10	1604.64	-28.20	1625.13	-28.40	1644.96	-28.50
1681.13	-28.60	1711.20	-28.50	1730.94	-28.60	1760.23	-28.50	1779.36	-28.40
1799.27	-28.50	1819.28	-26.10	1838.90	-23.10	1858.11	-21.60	1876.28	-20.70
1895.64	-18.60	1915.29	-17.00	1934.57	-17.80	1954.42	-17.10	1982.52	-17.10
2001.04	-17.90	2020.56	-18.60	2040.70	-19.50	2060.10	-20.40	2078.75	-20.80
2098.31	-20.80	2118.92	-20.80	2138.93	-20.60	2166.22	-20.70	2185.97	-20.90
2206.83	-20.90	2226.35	-21.20	2255.35	-21.60	2275.49	-21.40	2294.86	-21.50

2313.98	-21.40	2343.65	-21.60	2362.63	-21.60	2381.83	-20.70	2401.41	-19.10
2421.75	-17.10	2441.45	-16.90	2460.90	-16.50	2480.03	-16.80	2499.25	-17.20
2527.44	-18.20	2547.56	-18.90	2567.29	-19.30	2594.28	-19.50	2614.38	-19.40
2644.86	-19.40	2663.93	-19.20	2683.85	-18.80	2704.85	-18.10	2733.04	-17.50
2751.59	-17.00	2771.90	-15.20	2791.68	-14.70	2811.09	-14.30	2830.22	-14.10
2850.21	-13.10	2868.70	-12.60	2886.89	-12.40	2906.38	-11.70	2926.03	-11.50
2944.91	-12.50	2963.67	-12.80	2983.30	-13.70	3003.35	-14.00	3022.84	-14.20
3041.06	-14.50	3059.91	-17.30	3079.39	-18.60	3099.40	-16.40	3119.19	-16.00
3138.96	-15.80	3158.45	-20.50	3177.24	-21.80	3197.10	-22.10	3227.57	-23.20
3246.27	-23.50	3264.90	-24.20	3285.13	-25.10	3304.22	-25.90	3339.75	-27.10
3366.39	-27.40	3391.30	-27.60	3409.51	-28.80	3428.55	-25.60	3447.03	-23.90
3474.31	-22.50	3501.18	-22.40	3527.47	-22.90	3545.69	-23.80	3565.04	-24.00
3593.17	-23.90	3619.70	-24.10	3639.30	-24.50	3658.85	-27.80	3685.30	-29.50
3703.63	-30.80	3723.70	-31.10	3742.13	-30.60	3761.44	-29.30		
R-062		664340.60		951389.38		105.0	9.73		
100CT19	230CT19	180	00	23	157				

142.73	10.40	145.19	10.20	154.07	8.30	164.36	7.00	182.84	5.50
199.59	5.40	219.85	6.20	227.00	6.40	231.00	4.30	247.00	3.80
260.00	3.40	282.00	0.30	296.00	-1.80	314.00	-2.40	335.00	-3.00
357.00	-4.20	379.00	-4.80	400.00	-5.60	422.00	-7.00	446.00	-8.10
471.00	-9.40	489.00	-10.60	512.00	-12.00	532.58	-13.30	551.59	-14.20
571.17	-15.00	590.74	-15.90	620.37	-16.60	640.21	-17.20	659.96	-17.60
679.79	-18.00	699.55	-18.20	719.24	-18.40	739.06	-18.60	758.89	-18.60
778.32	-18.80	797.38	-19.20	816.35	-19.30	835.61	-18.90	854.88	-18.90
884.19	-19.40	904.06	-18.70	923.48	-19.50	952.85	-18.70	972.51	-18.10
992.26	-18.20	1021.87	-18.20	1041.69	-17.90	1061.34	-17.20	1081.07	-16.90
1100.73	-16.80	1120.37	-17.00	1139.89	-16.30	1159.34	-16.80	1179.18	-16.70
1199.11	-17.50	1218.90	-18.10	1238.55	-18.60	1268.19	-18.40	1287.75	-18.80
1317.34	-18.30	1337.40	-18.50	1367.12	-18.50	1386.86	-18.70	1406.67	-20.10
1426.45	-20.60	1446.07	-21.00	1475.48	-22.10	1504.86	-22.70	1524.63	-24.00
1554.24	-24.70	1583.95	-25.10	1613.74	-26.30	1643.30	-27.60	1663.23	-28.20
1683.10	-28.50	1702.81	-28.80	1722.55	-28.90	1742.17	-28.80	1761.98	-28.90
1781.46	-28.80	1800.94	-28.80	1820.65	-28.50	1840.31	-28.20	1860.14	-27.90
1879.84	-27.80	1899.40	-27.60	1919.07	-27.30	1938.91	-27.00	1958.50	-26.70
1978.08	-26.30	1997.47	-26.00	2016.77	-26.00	2035.78	-25.60	2064.61	-25.30
2093.56	-25.00	2112.94	-24.90	2132.48	-24.70	2151.97	-24.90	2171.40	-25.30
2190.82	-25.10	2210.17	-25.30	2229.29	-25.60	2248.65	-25.80	2268.13	-26.00
2287.65	-26.00	2306.83	-26.00	2336.13	-25.90	2365.47	-26.10	2385.04	-26.10
2414.45	-25.90	2434.17	-25.10	2453.73	-24.10	2473.51	-22.70	2493.34	-21.50
2513.24	-20.50	2532.94	-20.00	2552.65	-19.90	2571.76	-19.80	2591.85	-19.80
2611.17	-20.30	2630.68	-20.70	2650.40	-20.10	2670.15	-18.20	2689.67	-16.50
2709.38	-16.10	2728.92	-16.30	2757.94	-16.10	2786.14	-15.60	2806.22	-16.50
2825.73	-16.60	2845.05	-16.40	2864.41	-16.40	2883.98	-16.40	2913.00	-16.30
2932.68	-16.00	2952.30	-15.80	2972.34	-15.20	2992.12	-13.90	3011.90	-12.70
3031.65	-11.80	3051.12	-11.20	3070.20	-11.20	3089.63	-11.40	3108.85	-11.70
3137.93	-12.20	3157.65	-12.40	3177.67	-12.70	3197.39	-13.40	3216.68	-13.70
3236.61	-14.30	3255.94	-15.20	3275.49	-15.50	3295.15	-17.60	3314.87	-18.80
3334.71	-19.90	3354.47	-20.90	3374.32	-21.70	3394.22	-22.60	3413.94	-23.10
3433.41	-24.30	3453.10	-25.30	3472.96	-25.90	3492.75	-26.10	3512.40	-27.00
3532.38	-28.00	3552.09	-28.60	3581.02	-28.70	3600.20	-29.10	3619.44	-29.00
3647.13	-28.90	3693.94	-28.50	3712.70	-30.30	3732.08	-30.80	3751.53	-29.00
3770.30	-30.80	3789.10	-28.20	3817.18	-29.40	3852.76	-32.20	3870.93	-33.50
R-063		663546.19		951370.17		100.0	8.03		
100CT19	230CT19	152	00	19	132				

024.60	9.10	033.69	8.70	033.95	8.50	036.47	9.00	048.54	7.00
059.67	6.40	077.62	5.80	095.18	6.10	115.00	6.60	119.00	6.70
124.00	4.30	142.00	3.60	155.00	3.30	172.00	1.40	192.00	-1.50
213.00	-1.50	240.00	-3.60	265.00	-4.50	292.00	-7.50	320.59	-7.40
344.97	-8.40	366.77	-9.70	390.91	-11.20	413.67	-12.40	453.46	-14.30
476.20	-15.30	499.39	-15.80	523.16	-16.70	545.89	-17.10	569.64	-17.60
592.23	-18.00	616.10	-18.40	639.10	-18.60	670.82	-18.70	716.55	-19.40
738.01	-19.60	762.98	-19.60	784.45	-20.00	822.60	-19.90	845.89	-18.10
874.31	-17.60	897.40	-17.90	924.83	-16.90	951.76	-17.00	988.19	-18.20
1165.08	-19.20	1185.58	-19.40	1216.64	-19.70	1237.02	-20.30	1255.19	-20.80
1276.41	-21.00	1301.67	-20.40	1332.85	-19.70	1350.96	-20.20	1371.10	-20.90
1405.19	-21.20	1428.73	-21.60	1457.76	-22.90	1476.05	-22.90	1497.16	-24.50
1528.46	-25.00	1549.76	-24.90	1569.19	-26.20	1597.24	-28.00	1631.03	-28.80
1654.23	-29.40	1675.52	-29.60	1694.25	-29.70	1713.42	-29.70	1733.62	-29.90
1754.71	-30.00	1785.94	-29.90	1805.58	-29.90	1826.71	-29.80	1848.22	-29.60

1866.71	-29.70	1886.54	-29.50	1911.00	-29.10	1934.21	-28.90	1952.86	-28.90
1983.93	-28.60	2004.29	-28.20	2022.81	-27.90	2043.47	-27.60	2073.23	-27.20
2094.23	-26.90	2125.95	-26.30	2144.71	-26.20	2164.79	-25.70	2195.87	-25.80
2230.63	-25.50	2251.95	-24.80	2270.20	-24.10	2290.34	-23.40	2312.22	-22.50
2331.35	-22.20	2350.94	-21.60	2372.57	-21.00	2393.48	-20.70	2413.08	-20.20
2433.65	-20.10	2456.05	-19.50	2477.61	-19.60	2496.27	-19.60	2515.19	-19.80
2537.26	-19.40	2558.63	-18.60	2587.25	-18.30	2619.75	-17.90	2638.92	-18.00
2659.84	-15.60	2688.91	-15.80	2709.05	-16.10	2730.88	-16.00	2759.10	-15.70
2791.00	-15.40	2819.22	-16.10	2841.46	-15.70	2870.22	-15.80	2890.07	-15.00
2913.87	-13.30	2935.80	-12.50	2954.99	-11.50	2976.17	-11.10	2998.74	-10.70
3018.28	-11.20	3038.47	-11.80	3060.84	-12.10	3088.99	-12.80	3120.33	-13.40
3143.30	-14.60	3162.12	-15.10	3180.87	-16.00	3213.57	-16.30	3233.74	-17.20
3272.92	-16.70	3293.84	-21.70	3312.00	-22.10	3332.77	-22.90	3371.13	-24.70
3391.33	-24.90	3413.31	-26.50	3433.55	-27.20	3452.90	-27.90	3473.65	-28.50
3504.84	-28.60	3524.13	-28.80	3543.98	-28.70	3563.73	-28.90	3582.95	-28.50
3601.34	-29.10	3642.94	-30.20						
R-064		662333.18		951222.17		100.0		8.82	
	100CT19	230CT19	136	00	28	108			
-000.37	10.10	001.82	10.70	010.06	10.00	018.67	10.00	029.31	9.40
036.43	8.40	041.51	7.40	049.57	7.10	064.70	6.80	085.03	7.10
087.00	7.30	092.00	4.60	100.00	4.20	114.00	4.20	129.00	2.40
148.00	-0.70	158.00	-2.00	178.00	-2.60	193.00	-2.60	213.00	-3.70
233.00	-4.50	255.00	-5.10	274.00	-6.00	295.00	-7.00	309.00	-8.10
333.00	-9.30	350.00	-10.40	370.00	-11.30	417.73	-14.10	444.02	-15.40
469.67	-16.30	504.59	-17.50	531.15	-18.10	558.11	-18.50	584.67	-18.80
610.85	-18.60	637.78	-19.40	655.79	-17.80	683.27	-17.90	710.33	-18.50
754.83	-18.90	790.48	-19.40	808.69	-20.00	852.58	-19.40	879.30	-19.40
914.19	-19.30	956.75	-18.70	991.48	-18.50	1033.57	-18.40	1059.68	-18.30
1077.76	-17.70	1104.68	-18.60	1131.56	-18.90	1167.28	-18.60	1211.81	-19.10
1256.09	-19.20	1282.32	-19.60	1317.38	-19.90	1361.40	-20.70	1405.19	-20.90
1431.01	-21.20	1456.94	-20.50	1483.00	-21.50	1508.81	-21.70	1535.23	-24.50
1562.10	-25.20	1597.22	-26.60	1623.91	-30.90	1642.03	-31.30	1660.06	-31.60
1686.51	-31.90	1711.99	-32.10	1737.81	-32.50	1781.53	-32.80	1808.11	-32.90
1835.15	-33.00	1870.28	-33.30	1895.82	-33.40	1930.29	-33.60	1965.95	-34.00
2001.15	-34.10	2044.36	-34.40	2079.13	-34.50	2114.56	-34.60	2150.00	-34.80
2185.65	-35.00	2221.08	-35.10	2246.95	-35.00	2273.12	-35.10	2299.28	-35.40
2325.77	-35.20	2369.62	-35.20	2396.16	-35.10	2422.43	-35.10	2448.20	-35.10
2474.08	-33.50	2499.74	-30.60	2525.88	-28.30	2551.51	-26.60	2577.26	-25.00
2603.23	-24.20	2629.90	-23.30	2656.20	-22.80	2682.77	-22.40	2709.15	-22.10
2744.17	-21.60	2770.73	-21.00	2805.89	-20.20	2840.97	-19.60	2867.66	-19.40
2903.92	-18.80	2939.75	-18.60	2957.97	-18.90	2984.95	-18.90	3011.69	-19.20
3038.60	-16.60	3065.20	-15.20	3100.80	-13.50	3135.77	-13.00	3161.72	-13.60
3187.41	-13.90	3213.35	-14.80	3248.83	-16.60	3275.14	-17.60	3300.96	-19.00
3344.25	-20.70	3369.60	-21.70	3395.13	-22.40	3420.69	-23.00	3446.63	-23.60
3472.44	-23.90	3498.16	-24.00	3532.39	-25.00	3558.22	-23.80	3583.83	-23.30
3625.90	-24.80								
R-065		661391.18		951086.17		100.0		5.77	
	100CT19	230CT19	171	00	24	147			
004.92	10.40	005.28	8.40	012.14	9.10	020.20	11.20	031.66	9.80
040.24	7.30	053.11	5.90	070.09	6.30	089.81	6.80	092.00	6.90
096.00	4.40	115.00	4.30	130.00	1.50	154.00	-1.90	177.00	-1.30
203.00	-2.50	229.00	-3.40	249.00	-4.10	275.00	-4.90	290.00	-6.90
310.00	-7.00	335.00	-8.30	360.00	-9.50	383.00	-10.90	405.64	-12.40
431.73	-13.50	462.29	-15.00	481.97	-15.70	500.89	-16.30	521.16	-16.90
539.90	-17.30	558.35	-17.60	577.30	-17.80	597.18	-18.00	627.11	-18.20
654.27	-18.20	673.59	-18.40	694.64	-18.30	722.54	-18.40	742.51	-18.20
762.16	-17.40	781.20	-18.00	800.59	-18.00	819.61	-18.00	840.00	-18.20
859.28	-19.00	877.83	-19.20	907.66	-19.50	937.10	-18.90	957.10	-18.70
975.51	-17.80	996.91	-18.40	1026.17	-17.60	1053.49	-17.80	1083.08	-17.40
1101.78	-17.40	1132.15	-17.50	1152.20	-17.40	1171.61	-17.60	1190.47	-17.60
1209.32	-17.40	1239.08	-17.60	1257.60	-18.20	1277.53	-17.90	1296.92	-18.30
1315.89	-18.60	1334.84	-18.60	1363.03	-18.70	1381.46	-19.40	1399.60	-19.10
1419.17	-18.90	1448.24	-19.40	1467.55	-19.10	1486.02	-19.50	1504.99	-19.90
1525.43	-19.70	1544.32	-20.00	1562.45	-21.00	1582.16	-21.10	1602.85	-21.70
1621.26	-22.10	1648.73	-23.70	1668.69	-22.40	1687.51	-25.30	1706.39	-25.90
1736.47	-33.90	1756.77	-34.20	1784.70	-34.40	1803.85	-34.50	1824.59	-34.60
1844.82	-34.60	1863.25	-34.90	1883.25	-34.80	1905.39	-34.60	1926.41	-34.40
1945.23	-34.00	1964.13	-33.80	1985.13	-33.30	2004.43	-32.70	2043.15	-31.90
2075.26	-32.60	2103.41	-33.10	2132.62	-32.60	2153.02	-33.00	2171.71	-33.40

2198.98	-32.80	2229.76	-33.90	2249.24	-33.60	2268.39	-33.70	2298.73	-33.60
2325.80	-33.40	2345.05	-33.20	2366.11	-32.90	2386.43	-32.80	2413.12	-32.30
2433.14	-31.80	2455.00	-31.40	2474.16	-31.10	2501.78	-30.30	2522.10	-30.00
2541.42	-29.70	2560.61	-29.20	2580.50	-28.10	2599.48	-27.20	2618.21	-26.70
2638.54	-26.10	2657.99	-25.70	2676.41	-25.20	2694.90	-25.00	2715.51	-24.70
2737.13	-24.30	2774.08	-23.90	2803.73	-22.80	2823.14	-22.20	2841.97	-21.60
2860.96	-19.70	2879.61	-18.40	2909.04	-17.40	2928.05	-17.60	2956.24	-17.80
2975.66	-17.70	2995.39	-18.10	3024.24	-17.90	3043.33	-18.60	3062.61	-18.70
3082.41	-18.70	3102.68	-19.20	3122.04	-17.40	3140.69	-15.80	3160.42	-14.60
3181.66	-13.80	3202.19	-13.30	3220.53	-13.50	3239.59	-13.70	3260.61	-14.20
3291.92	-15.40	3310.24	-15.80	3329.23	-16.20	3349.70	-18.90	3379.01	-19.60
3398.15	-20.70	3428.76	-21.60	3449.34	-22.20	3478.53	-22.80	3498.70	-23.10
3518.69	-23.60	3537.51	-23.80	3556.82	-25.40	3576.88	-27.00	3595.23	-27.40
3625.82	-26.60								

R-066 660411.17 950953.17 100.0 5.42
100CT19 230CT19 166 00 23 143

003.58	9.60	003.79	8.50	015.43	8.80	020.69	10.30	025.49	10.50
031.90	8.90	043.09	6.80	054.76	6.50	074.59	6.90	079.00	4.40
086.00	3.70	103.00	4.10	120.00	1.90	137.00	-1.00	145.00	-2.60
162.00	-2.60	180.00	-2.60	199.00	-3.60	220.00	-4.10	240.00	-4.70
267.00	-5.60	284.00	-6.60	306.00	-7.90	331.00	-9.40	351.00	-10.80
366.93	-11.80	385.25	-12.70	412.28	-14.20	438.95	-15.30	457.19	-15.90
475.36	-16.30	493.72	-17.00	512.12	-17.20	530.48	-17.40	548.66	-17.80
576.33	-17.80	603.83	-17.70	622.17	-17.60	640.87	-17.80	668.85	-18.30
687.40	-18.30	706.31	-18.40	734.54	-18.60	752.98	-18.30	780.64	-18.80
816.53	-18.50	852.60	-18.60	871.10	-18.40	889.80	-18.60	908.43	-18.70
927.15	-18.60	945.93	-18.60	973.62	-18.30	992.37	-18.50	1011.11	-18.40
1029.98	-19.20	1058.03	-18.80	1085.72	-18.70	1104.13	-18.50	1122.73	-17.70
1141.44	-17.50	1169.51	-17.20	1188.03	-17.50	1206.83	-17.40	1225.28	-17.80
1252.43	-17.80	1271.04	-17.70	1289.83	-17.90	1317.68	-17.70	1335.99	-18.00
1354.51	-18.20	1373.17	-18.00	1391.67	-18.30	1419.81	-18.60	1438.88	-18.10
1457.30	-18.30	1476.08	-18.70	1494.94	-19.50	1513.73	-19.40	1532.07	-19.60
1575.42	-20.40	1618.77	-21.10	1652.98	-22.00	1696.44	-23.80	1722.40	-24.00
1748.51	-26.40	1775.13	-33.00	1801.79	-34.90	1828.26	-35.30	1872.04	-35.60
1916.76	-35.70	1961.02	-35.80	1996.87	-36.00	2015.04	-35.90	2042.17	-35.80
2060.48	-35.60	2078.63	-35.40	2096.90	-35.30	2115.38	-34.80	2133.79	-34.30
2160.76	-33.60	2187.66	-33.00	2205.77	-32.50	2224.08	-31.90	2251.30	-31.00
2270.01	-30.40	2288.81	-30.00	2307.65	-29.20	2326.55	-28.60	2345.26	-28.20
2363.99	-27.70	2382.93	-27.30	2402.01	-27.00	2430.35	-26.50	2449.24	-26.10
2468.16	-25.90	2486.85	-25.90	2514.42	-25.40	2542.18	-25.20	2560.78	-25.10
2579.23	-25.00	2597.78	-25.20	2616.01	-24.10	2643.27	-24.40	2669.52	-23.20
2714.28	-23.30	2741.37	-22.10	2760.06	-21.50	2778.42	-20.60	2797.06	-19.90
2815.96	-19.80	2834.83	-20.50	2853.58	-21.20	2881.88	-20.40	2900.24	-19.90
2928.24	-20.20	2947.32	-19.70	2974.70	-19.20	2993.39	-19.60	3011.82	-19.60
3030.01	-20.20	3057.76	-20.60	3076.09	-20.70	3103.32	-20.40	3130.03	-20.00
3148.55	-19.60	3166.91	-19.70	3185.02	-19.40	3203.35	-19.90	3221.90	-18.40
3240.29	-17.80	3258.70	-16.70	3277.14	-15.90	3295.78	-14.90	3322.75	-14.90
3349.59	-15.40	3367.67	-16.00	3394.72	-16.90	3413.10	-18.90	3440.32	-19.80
3458.33	-20.80	3476.64	-21.10	3494.97	-21.70	3522.36	-22.40	3540.83	-22.10
3559.20	-23.10								

R-067 659430.17 950798.17 100.0 5.81
100CT19 230CT19 156 00 23 133

000.40	7.10	000.52	9.40	008.94	7.40	018.64	6.60	035.72	6.70
052.81	6.10	069.98	6.30	090.00	7.00	096.00	7.00	098.00	5.40
119.00	2.60	141.00	0.00	162.00	-3.40	183.00	-3.80	208.00	-4.40
232.00	-3.60	259.00	-4.40	282.00	-5.10	305.00	-6.50	330.00	-7.50
345.00	-8.40	368.00	-10.00	385.00	-11.30	388.92	-11.30	412.16	-12.40
436.72	-13.60	473.35	-14.90	624.36	-18.20	657.21	-18.60	677.95	-18.90
696.00	-19.00	715.67	-19.00	737.27	-19.20	758.39	-19.50	777.95	-19.90
796.09	-20.30	817.37	-20.40	838.99	-20.40	858.00	-20.70	888.14	-20.70
918.70	-20.60	938.91	-20.80	958.70	-20.80	995.74	-20.70	1017.53	-20.60
1048.51	-20.50	1066.66	-20.30	1086.70	-19.90	1107.55	-20.60	1126.25	-20.00
1158.20	-19.00	1177.97	-18.60	1207.36	-19.00	1231.60	-18.90	1253.64	-19.00
1282.21	-19.30	1303.38	-19.40	1323.45	-18.60	1353.35	-19.00	1382.05	-19.00
1403.45	-18.70	1424.57	-18.80	1452.45	-18.80	1484.14	-19.60	1506.04	-19.60
1534.48	-20.20	1554.95	-20.10	1574.82	-21.00	1602.71	-21.50	1622.07	-21.80
1644.52	-22.10	1665.00	-22.00	1684.06	-22.20	1703.31	-22.60	1724.67	-23.10
1758.26	-23.80	1785.58	-25.60	1804.65	-26.30	1835.17	-27.60	1856.23	-30.60
1877.28	-33.40	1897.54	-33.60	1915.58	-33.90	1935.69	-33.70	1967.21	-33.60

1987.64	-33.60	2007.34	-33.30	2027.59	-33.20	2045.83	-33.00	2064.71	-32.80
2087.20	-32.50	2121.36	-32.10	2154.00	-31.60	2173.20	-31.30	2191.70	-30.90
2225.73	-30.70	2247.47	-30.80	2266.99	-30.50	2295.38	-30.40	2315.51	-30.20
2335.96	-30.30	2356.53	-30.60	2376.15	-30.30	2396.56	-30.80	2418.24	-30.30
2439.95	-28.60	2459.27	-27.50	2488.91	-28.20	2508.50	-28.70	2528.74	-29.40
2550.81	-29.90	2572.68	-30.10	2593.96	-30.30	2612.22	-30.30	2630.59	-30.00
2652.48	-29.90	2683.30	-29.40	2710.69	-29.00	2730.25	-28.50	2751.85	-27.90
2770.95	-27.60	2789.92	-27.40	2811.29	-26.40	2844.34	-26.30	2871.79	-26.10
2892.24	-25.90	2914.75	-22.40	2936.21	-21.90	2972.81	-20.90	3004.86	-19.50
3025.10	-18.30	3045.72	-18.20	3066.91	-17.70	3096.74	-17.90	3115.96	-18.90
3137.37	-19.50	3158.78	-20.70	3178.40	-21.90	3197.98	-22.60	3218.78	-22.60
3241.07	-22.30	3262.77	-21.90	3283.04	-21.90	3304.10	-21.30	3325.20	-21.60
3354.95	-21.20	3376.35	-20.90	3398.41	-19.40	3428.99	-18.90	3459.15	-18.40
3480.88	-19.60	3502.24	-20.20	3520.68	-20.60	3539.01	-21.20	3559.30	-20.60
3578.79	-20.40								

R-068 658374.64 950546.68 100.0 10.98
100CT19 230CT19 170 00 33 137

085.04	8.70	085.03	10.40	090.66	9.20	102.48	11.40	106.48	11.10
110.36	10.50	116.04	9.60	129.20	8.60	147.93	7.50	165.54	6.90
185.30	6.90	204.68	6.90	224.51	7.20	235.00	7.20	237.00	5.80
247.00	4.50	267.00	1.50	287.00	-1.60	296.00	-3.70	315.00	-4.10
334.00	-4.10	350.00	-4.20	369.00	-3.60	391.00	-3.20	411.00	-4.10
432.00	-4.60	453.00	-5.40	473.00	-6.70	493.00	-7.80	514.00	-8.90
535.00	-10.10	558.00	-11.40	578.00	-12.30	595.69	-13.10	613.87	-13.90
632.46	-14.70	651.04	-15.60	669.68	-16.00	688.24	-16.50	706.27	-17.10
724.41	-17.50	742.70	-17.90	761.24	-18.40	779.46	-19.30	797.76	-19.70
815.98	-19.90	851.81	-20.70	887.65	-20.30	906.32	-20.20	924.93	-20.40
943.39	-20.40	962.16	-20.60	989.92	-20.30	1009.07	-20.60	1027.79	-20.60
1046.56	-20.60	1065.44	-20.20	1084.35	-20.10	1103.11	-19.90	1131.55	-20.40
1149.98	-20.20	1168.49	-20.50	1196.28	-19.80	1214.54	-19.90	1233.05	-19.70
1260.94	-18.90	1279.58	-19.10	1298.31	-18.70	1326.07	-19.10	1344.91	-18.30
1372.38	-18.40	1399.85	-18.10	1418.12	-18.20	1443.85	-18.60	1479.68	-19.00
1506.00	-19.20	1534.02	-19.40	1552.46	-19.40	1570.61	-19.50	1589.06	-19.60
1608.17	-20.10	1627.01	-19.80	1645.71	-20.30	1664.22	-19.80	1682.92	-20.10
1701.41	-20.00	1729.13	-19.70	1747.39	-19.60	1765.46	-19.30	1783.66	-20.40
1802.26	-20.60	1820.58	-19.70	1839.04	-21.30	1867.00	-21.60	1886.00	-22.80
1904.82	-23.40	1933.00	-24.30	1951.64	-25.10	1970.24	-26.30	1997.02	-27.70
2015.25	-29.60	2034.08	-30.00	2052.87	-29.80	2080.55	-29.90	2099.09	-29.50
2117.48	-29.50	2136.29	-29.00	2163.65	-28.70	2190.41	-28.20	2218.23	-28.00
2254.45	-27.60	2280.69	-27.00	2306.53	-26.50	2332.80	-26.30	2368.30	-26.00
2396.06	-26.20	2414.60	-26.70	2442.05	-26.60	2460.22	-27.40	2478.77	-28.20
2497.44	-28.30	2516.51	-28.90	2535.76	-29.50	2554.85	-29.30	2573.62	-29.30
2592.73	-29.20	2611.18	-29.40	2638.56	-29.00	2656.59	-29.00	2674.92	-29.10
2693.15	-28.90	2720.60	-29.00	2747.87	-28.20	2766.51	-26.60	2784.81	-26.60
2803.23	-23.80	2831.78	-23.70	2850.29	-23.20	2868.45	-23.10	2896.41	-23.50
2914.84	-24.30	2933.61	-25.00	2952.28	-25.40	2970.75	-25.30	3006.16	-25.50
3033.30	-25.50	3060.44	-25.00	3079.17	-24.60	3098.15	-24.50	3116.66	-24.20
3134.84	-23.50	3152.92	-22.70	3171.21	-22.40	3189.46	-21.90	3207.59	-21.00
3225.89	-20.10	3244.65	-18.60	3263.36	-18.40	3290.46	-17.40	3326.87	-17.50
3345.07	-17.10	3363.34	-17.30	3391.57	-18.10	3409.94	-18.70	3437.60	-19.00
3465.51	-19.80	3483.60	-20.00	3502.26	-20.70	3521.07	-20.80	3539.54	-20.90

T-069 657395.91 950459.47 100.0 10.51
100CT19 230CT19 164 00 24 140

087.61	7.70	087.62	9.10	097.89	7.60	105.10	8.90	116.46	10.70
121.23	9.80	125.67	7.70	137.97	6.60	154.87	6.20	175.28	6.20
194.97	6.80	214.88	7.10	218.00	7.10	220.00	5.40	244.00	2.70
264.00	-0.40	280.00	-1.90	285.00	-2.70	303.00	-4.20	324.00	-4.40
345.00	-4.80	364.00	-3.00	384.00	-3.20	408.00	-3.20	429.69	-4.70
450.24	-5.90	473.97	-7.10	493.02	-8.10	513.16	-9.30	531.44	-10.40
549.79	-11.40	569.23	-12.40	588.78	-13.30	607.39	-13.90	636.06	-15.20
654.18	-15.70	673.65	-16.50	692.73	-16.90	711.94	-17.40	739.25	-18.00
767.67	-18.30	785.83	-18.90	805.21	-18.90	824.42	-19.40	844.68	-19.70
870.23	-20.10	890.84	-20.10	918.53	-20.40	936.87	-20.60	957.79	-20.80
978.12	-21.10	1005.25	-21.50	1023.32	-21.70	1043.28	-20.60	1062.92	-20.40
1098.99	-19.90	1126.50	-19.80	1152.71	-19.50	1171.01	-18.90	1190.29	-18.80
1215.79	-18.60	1245.76	-18.70	1271.29	-18.60	1291.88	-18.70	1327.61	-18.80
1355.58	-18.40	1385.52	-18.40	1412.11	-18.70	1441.56	-18.70	1472.55	-18.90
1499.16	-18.50	1517.77	-18.50	1536.92	-18.50	1557.61	-18.70	1579.42	-18.60
1606.00	-18.60	1625.55	-18.00	1647.24	-18.20	1684.68	-18.40	1703.86	-18.90

1725.46	-19.70	1745.23	-19.60	1764.38	-20.30	1783.71	-19.70	1802.84	-19.70
1822.53	-20.20	1842.23	-20.50	1861.20	-22.40	1880.52	-22.40	1898.99	-23.70
1918.56	-24.00	1938.39	-24.30	1959.53	-24.50	2006.07	-25.00	2027.04	-25.10
2047.48	-25.10	2073.66	-24.70	2093.50	-25.30	2131.92	-26.00	2150.71	-26.30
2181.03	-26.70	2208.21	-28.10	2227.74	-28.80	2247.70	-29.70	2265.96	-29.40
2293.36	-29.00	2311.46	-28.60	2329.61	-28.60	2349.65	-28.30	2370.59	-27.70
2398.74	-27.70	2426.64	-27.10	2446.04	-27.10	2465.79	-26.80	2495.15	-26.70
2522.34	-26.60	2542.00	-26.60	2560.69	-26.50	2597.47	-26.60	2615.82	-26.90
2636.15	-26.10	2655.06	-26.70	2673.57	-26.50	2701.11	-26.60	2722.97	-26.70
2742.82	-26.60	2761.52	-26.40	2789.91	-25.80	2810.46	-25.40	2838.02	-25.00
2856.74	-24.50	2885.21	-23.70	2903.83	-22.90	2923.34	-21.30	2959.53	-19.00
2990.12	-18.30	3010.29	-17.60	3028.58	-17.10	3047.82	-16.20	3068.37	-15.60
3088.10	-15.40	3114.21	-14.40	3135.33	-14.00	3173.98	-14.20	3192.14	-14.30
3212.58	-14.70	3233.65	-15.50	3253.41	-15.70	3280.73	-16.80	3299.12	-17.30
3321.60	-17.40	3343.19	-14.90	3369.62	-16.10	3389.96	-20.40	3411.09	-22.20
3430.47	-23.70	3457.32	-23.90	3478.46	-23.60	3498.00	-23.70	3516.58	-26.00
3537.23	-26.60	3574.53	-25.90	3592.67	-25.50	3613.73	-25.20		
R-070		656481.15		950460.17		100.0		5.94	
	100CT19	230CT19	156	00	27	139			

000.39	6.20	000.44	8.40	016.31	6.10	019.57	7.20	026.52	7.70
030.19	7.00	035.61	6.70	052.18	6.60	069.95	6.90	089.78	7.10
107.00	6.70	126.00	6.60	132.00	5.20	142.00	4.10	165.00	1.10
187.00	-1.80	195.00	-3.40	213.00	-4.40	233.00	-4.80	255.00	-5.30
276.00	-5.30	297.00	-4.50	316.00	-3.80	338.00	-4.00	361.00	-4.90
382.00	-5.80	401.00	-7.10	425.00	-8.50	450.00	-10.10	476.00	-11.60
501.29	-13.20	521.13	-14.30	550.15	-15.80	568.64	-16.50	588.70	-17.20
607.83	-17.40	637.17	-17.80	657.25	-17.90	686.52	-18.00	705.79	-18.10
724.38	-18.00	743.40	-17.80	762.57	-17.90	791.54	-18.10	810.07	-17.40
828.81	-17.60	848.45	-16.90	867.39	-17.30	896.22	-18.00	926.22	-16.80
946.09	-18.10	975.10	-17.70	1005.09	-18.10	1034.80	-18.40	1053.69	-18.20
1073.59	-17.70	1102.64	-17.70	1121.85	-17.40	1150.99	-17.60	1170.72	-17.20
1189.80	-17.40	1209.53	-17.00	1229.49	-17.30	1248.29	-17.10	1267.52	-16.90
1287.99	-17.10	1307.92	-17.70	1326.94	-18.60	1355.15	-18.00	1373.82	-17.70
1402.16	-18.00	1421.30	-18.20	1439.50	-17.90	1458.22	-17.90	1487.27	-18.00
1516.82	-18.50	1535.94	-18.20	1566.31	-18.00	1586.25	-19.30	1605.16	-19.20
1625.25	-19.20	1644.69	-19.80	1664.33	-20.70	1683.85	-19.90	1703.59	-19.90
1732.71	-20.50	1762.81	-21.20	1782.12	-21.90	1811.43	-22.80	1830.42	-22.90
1850.16	-23.10	1869.51	-24.60	1905.46	-25.80	1932.68	-26.60	1951.28	-26.60
1987.38	-26.30	2006.67	-26.10	2043.45	-26.60	2062.27	-26.00	2081.53	-26.00
2100.61	-25.90	2118.95	-25.70	2147.11	-25.50	2166.32	-25.30	2185.89	-25.20
2205.05	-25.20	2224.97	-25.10	2347.74	-25.00	2368.96	-25.00	2397.18	-24.90
2432.11	-25.30	2457.79	-24.50	2482.03	-24.30	2508.05	-24.30	2543.40	-24.20
2561.74	-24.20	2579.91	-24.60	2598.16	-24.40	2626.31	-24.70	2662.84	-24.80
2689.89	-23.70	2741.35	-24.30	2775.32	-23.00	2817.61	-22.40	2844.32	-19.70
2862.45	-19.00	2880.92	-18.30	2899.15	-17.50	2925.35	-18.40	2957.83	-16.20
2982.69	-16.10	3008.94	-15.20	3036.14	-14.50	3054.75	-14.30	3072.85	-14.00
3091.01	-14.40	3127.06	-15.20	3145.50	-15.50	3163.82	-16.00	3191.78	-16.50
3209.91	-16.70	3229.04	-17.10	3256.83	-17.40	3284.87	-18.60	3303.80	-19.80
3331.03	-21.10	3349.60	-22.50	3376.72	-23.30	3395.22	-23.40	3414.41	-24.70
3433.10	-25.70	3451.39	-25.70	3469.90	-25.60	3488.65	-26.60	3507.39	-25.90
3525.80	-26.00								
R-071		655346.21		950336.85		100.0		6.77	
	100CT19	230CT19	161	00	29	132			

081.31	8.30	081.53	7.70	089.83	7.70	101.31	8.30	108.02	9.30
114.29	9.70	118.32	8.00	124.95	7.30	141.03	7.10	159.88	6.80
179.76	7.30	185.00	7.00	203.00	5.30	224.00	1.70	248.00	-2.10
256.00	-3.70	280.00	-4.60	306.00	-5.20	332.00	-5.70	358.00	-5.10
363.00	-4.40	385.00	-3.80	405.00	-4.10	429.00	-5.00	451.00	-6.10
476.00	-7.30	496.00	-8.30	525.00	-10.00	550.00	-11.10	580.58	-13.10
600.47	-14.20	619.34	-15.20	638.21	-16.00	671.70	-17.50	692.00	-18.60
718.83	-19.20	738.94	-19.50	771.90	-19.60	794.07	-19.50	813.52	-19.30
833.11	-18.60	856.22	-18.00	880.35	-17.90	901.03	-18.40	919.72	-18.60
939.75	-18.30	961.85	-18.20	982.37	-18.10	1002.52	-18.00	1025.27	-18.10
1044.51	-17.60	1064.48	-17.50	1085.90	-17.40	1105.75	-17.10	1126.76	-16.90
1149.79	-18.00	1181.00	-17.00	1202.19	-16.70	1222.21	-16.30	1240.90	-16.50
1261.66	-17.10	1282.56	-17.70	1302.97	-17.10	1333.63	-16.60	1362.10	-16.60
1381.77	-16.40	1404.69	-16.60	1435.08	-16.40	1453.90	-16.70	1475.00	-17.00
1506.02	-17.70	1527.88	-17.70	1558.84	-17.40	1588.63	-17.30	1610.30	-17.00
1630.93	-17.10	1651.52	-16.90	1674.56	-17.60	1704.41	-17.60	1726.34	-17.70

1749.67	-18.40	1778.37	-19.20	1801.59	-20.50	1833.65	-21.40	1854.21	-22.00
1874.61	-22.30	1894.39	-23.00	1923.15	-23.70	1944.49	-24.00	1965.06	-24.20
1985.33	-24.40	2016.20	-24.40	2037.00	-24.40	2066.91	-24.30	2086.36	-24.40
2106.23	-24.20	2126.28	-24.00	2148.41	-23.50	2180.41	-22.80	2208.25	-23.40
2240.71	-23.70	2262.23	-23.30	2284.21	-24.40	2302.47	-24.90	2322.75	-25.30
2343.60	-25.10	2364.50	-24.90	2387.33	-25.00	2407.86	-25.00	2436.62	-25.00
2459.72	-25.00	2481.93	-25.20	2502.33	-25.00	2532.02	-25.10	2552.39	-25.40
2581.12	-25.30	2602.63	-25.40	2624.89	-25.50	2646.98	-25.20	2669.15	-25.00
2688.65	-24.90	2708.46	-24.50	2731.33	-24.00	2754.66	-23.60	2783.26	-23.10
2804.72	-22.60	2825.11	-22.20	2845.66	-21.80	2868.22	-22.50	2889.09	-19.10
2910.14	-20.20	2931.51	-17.30	2952.00	-17.40	2983.17	-17.00	3012.22	-16.10
3034.92	-15.80	3056.26	-14.90	3085.21	-14.20	3108.53	-13.90	3140.62	-14.50
3159.14	-15.20	3180.31	-16.00	3201.93	-16.50	3235.19	-17.20	3253.36	-17.20
3272.98	-17.70	3294.61	-18.00	3314.47	-18.10	3333.74	-16.70	3353.84	-17.40
3374.52	-22.20	3394.58	-24.30	3416.19	-25.00	3439.74	-25.60	3468.25	-26.90
3488.77	-25.90	3510.84	-26.30	3532.11	-26.10	3561.31	-25.70	3579.99	-24.00
3603.20	-25.20								

R-072 654440.05 950315.76 95.0 6.70
100CT19 230CT19 158 00 26 132

085.11	11.00	085.29	6.50	091.26	6.40	101.45	6.50	114.87	6.80
135.00	7.30	150.00	7.30	163.00	5.50	175.00	4.70	196.00	2.10
215.00	-0.90	225.00	-1.80	235.00	-3.70	253.00	-4.50	271.00	-5.00
291.00	-5.20	311.00	-5.40	329.00	-4.90	348.00	-5.10	369.00	-3.80
392.00	-4.30	415.00	-5.50	440.00	-7.10	465.00	-8.40	483.00	-9.50
506.00	-10.80	533.02	-12.50	551.70	-13.40	579.26	-14.40	597.36	-13.90
624.35	-14.10	651.61	-15.30	680.34	-16.80	698.83	-17.70	717.11	-18.80
735.66	-20.00	762.78	-20.40	789.63	-20.40	807.68	-20.50	826.05	-20.80
853.10	-20.80	879.10	-21.10	913.36	-21.20	939.44	-20.70	966.53	-19.40
992.54	-19.00	1028.34	-18.70	1054.56	-18.60	1081.76	-18.40	1100.17	-18.10
1118.72	-17.70	1136.80	-17.00	1155.15	-17.70	1182.69	-17.50	1218.32	-16.80
1236.40	-16.90	1254.64	-16.50	1282.36	-17.00	1308.32	-16.80	1334.14	-17.50
1377.23	-17.60	1422.46	-17.60	1449.65	-17.30	1485.19	-17.40	1511.90	-17.50
1536.98	-17.30	1570.28	-16.60	1588.74	-17.50	1607.46	-18.20	1629.32	-18.90
1647.64	-19.60	1675.27	-19.80	1693.83	-20.60	1721.28	-20.30	1739.48	-20.10
1766.70	-21.30	1785.32	-21.70	1804.02	-22.60	1822.57	-22.80	1840.97	-23.30
1859.33	-23.00	1877.79	-22.90	1896.02	-22.80	1923.82	-22.90	1942.59	-22.80
1961.52	-23.20	1980.16	-22.70	1998.81	-24.00	2043.23	-24.80	2061.28	-24.20
2079.67	-24.10	2098.16	-24.30	2116.47	-25.00	2134.81	-25.40	2153.57	-25.20
2172.34	-25.20	2191.15	-25.40	2218.36	-25.50	2237.09	-25.30	2264.45	-26.20
2289.87	-25.60	2316.85	-25.80	2335.17	-25.70	2353.53	-25.90	2371.75	-25.90
2390.29	-25.80	2417.92	-25.90	2445.82	-26.00	2464.10	-26.10	2499.39	-26.80
2535.61	-26.20	2562.67	-26.20	2581.23	-26.00	2609.04	-25.90	2627.65	-25.90
2646.67	-25.70	2665.15	-25.50	2683.94	-25.20	2702.09	-25.10	2728.39	-24.90
2763.56	-24.30	2782.22	-24.40	2801.10	-22.70	2819.67	-20.10	2838.65	-19.20
2867.44	-18.90	2886.50	-18.20	2905.40	-17.20	2924.29	-16.20	2960.27	-16.80
2978.67	-16.00	3006.32	-15.70	3025.31	-16.10	3043.75	-16.30	3062.78	-16.80
3081.92	-17.30	3109.90	-18.20	3128.45	-17.50	3146.71	-15.80	3164.78	-14.90
3183.93	-16.40	3202.54	-17.80	3221.36	-21.00	3240.25	-20.80	3258.70	-21.10
3277.65	-21.70	3305.56	-22.70	3324.04	-23.30	3343.18	-24.00	3361.85	-24.10
3380.51	-24.40	3408.91	-25.50	3427.70	-25.60	3445.98	-23.90	3472.91	-23.70
3499.92	-22.60	3527.45	-24.60	3545.83	-25.60				

R-073 653289.58 950314.69 95.0 7.22
100CT19 230CT19 149 00 27 122

054.79	10.90	055.00	6.80	060.63	6.70	066.93	6.80	079.67	6.60
099.70	6.80	110.00	6.90	133.00	3.20	156.00	-0.30	170.00	-2.10
174.00	-3.50	202.00	-4.30	225.00	-4.80	252.00	-5.40	270.00	-4.90
292.00	-3.90	324.00	-3.70	343.00	-4.60	365.00	-5.90	390.00	-6.90
420.00	-8.30	438.00	-9.70	454.67	-11.10	479.89	-12.30	510.61	-14.10
546.88	-14.20	567.93	-14.60	588.07	-15.00	614.57	-15.60	634.16	-17.20
665.18	-17.20	694.52	-17.60	712.84	-17.90	731.42	-18.20	763.09	-18.20
784.03	-18.60	811.04	-19.00	832.22	-19.00	860.47	-19.30	880.76	-19.50
908.67	-19.80	933.84	-19.60	972.00	-19.60	997.06	-19.10	1019.02	-18.40
1041.12	-18.00	1060.59	-18.10	1078.96	-18.00	1099.08	-17.70	1118.53	-17.80
1137.98	-18.00	1157.90	-17.80	1185.18	-17.60	1204.50	-17.40	1225.23	-17.00
1244.44	-17.30	1271.23	-16.50	1293.03	-16.20	1314.39	-15.90	1332.43	-15.90
1351.00	-16.50	1378.33	-16.00	1401.05	-15.60	1430.35	-15.80	1450.45	-16.80
1478.25	-17.50	1506.16	-17.70	1524.49	-17.40	1548.66	-18.40	1582.24	-19.10
1603.37	-19.40	1632.41	-19.50	1808.36	-23.80	1826.73	-25.40	1847.57	-25.90
1885.72	-25.80	1916.58	-25.50	1936.97	-25.50	1955.17	-25.30	1973.67	-25.00

2004.58	-24.90	2024.03	-24.70	2043.35	-24.80	2074.28	-24.70	2093.15	-24.80
2111.59	-24.90	2132.12	-24.90	2150.46	-24.90	2170.63	-25.10	2199.64	-25.10
2217.78	-25.30	2239.09	-25.40	2258.16	-25.50	2278.10	-25.50	2307.25	-25.80
2328.78	-26.00	2358.71	-25.90	2384.41	-25.80	2405.68	-25.60	2433.31	-25.80
2453.09	-25.50	2473.54	-25.60	2493.28	-25.20	2511.45	-25.00	2540.45	-24.90
2560.33	-24.10	2586.62	-23.60	2608.28	-23.10	2634.15	-23.30	2652.75	-19.90
2675.08	-19.40	2695.80	-18.80	2721.56	-18.10	2743.33	-16.90	2763.84	-15.70
2783.06	-15.60	2809.55	-14.70	2829.44	-15.30	2849.15	-15.40	2869.00	-15.30
2900.00	-15.50	2918.14	-15.90	2938.14	-17.10	2959.02	-16.10	2985.02	-14.20
3007.90	-15.00	3046.15	-16.40	3065.95	-16.70	3087.94	-17.10	3106.78	-22.00
3125.02	-22.60	3145.73	-23.10	3164.95	-24.10	3183.20	-24.80	3213.20	-26.70
3236.36	-28.00	3262.82	-28.70	3294.90	-28.70	3315.30	-29.00	3333.43	-28.20
3353.88	-27.70	3374.80	-27.00	3395.76	-25.40	3424.58	-26.10	3459.64	-26.20
3491.26	-26.90	3510.29	-26.90	3530.36	-27.80	3551.31	-27.40		
R-074		652407.49		950236.76		100.0	10.15		
100CT19	230CT19	140	00	25	115				

082.19	11.10	082.35	8.90	091.49	8.20	106.42	7.50	120.41	7.50
131.67	7.50	139.78	6.70	160.00	5.30	173.00	4.10	195.00	0.60
215.00	-1.80	225.00	-3.80	250.00	-4.20	270.00	-4.30	295.00	-5.00
316.00	-5.20	338.00	-5.00	359.00	-4.90	381.00	-4.30	400.00	-4.30
420.00	-4.90	440.00	-5.80	460.00	-7.40	478.00	-8.20	494.00	-9.30
510.05	-10.20	528.62	-11.40	546.80	-11.90	574.01	-12.40	600.51	-13.40
618.66	-14.20	636.80	-14.10	673.09	-13.70	691.64	-14.10	727.22	-13.90
762.78	-14.00	806.93	-14.00	840.77	-17.00	872.41	-16.50	895.83	-16.20
921.48	-17.00	956.18	-17.90	982.93	-18.40	1009.98	-18.60	1028.13	-18.60
1055.46	-18.80	1091.73	-18.80	1109.73	-18.70	1145.16	-19.60	1179.78	-19.00
1198.08	-19.00	1216.50	-19.30	1252.35	-18.80	1278.66	-18.30	1303.27	-17.50
1328.75	-18.00	1354.65	-17.90	1380.55	-18.20	1398.80	-18.60	1417.10	-18.90
1444.59	-19.20	1463.16	-19.50	1481.24	-19.90	1516.56	-19.20	1540.09	-18.80
1569.30	-18.60	1604.86	-19.50	1648.85	-18.40	1690.79	-21.50	1726.57	-23.50
1754.66	-24.40	1773.36	-24.40	1801.43	-24.50	1819.81	-25.00	1854.71	-25.50
1890.15	-25.30	1908.62	-25.50	1929.84	-25.70	1965.56	-25.60	1983.93	-25.40
2002.02	-26.10	2037.46	-25.70	2072.23	-25.60	2098.68	-25.60	2124.54	-25.40
2160.19	-25.50	2185.99	-25.90	2219.22	-25.40	2237.26	-25.40	2255.91	-25.30
2291.94	-25.50	2335.72	-25.50	2362.81	-25.60	2381.24	-25.50	2399.46	-25.50
2435.15	-25.60	2478.14	-25.60	2522.81	-25.50	2558.98	-25.30	2584.72	-24.90
2611.05	-24.30	2637.80	-23.60	2656.03	-23.10	2674.11	-21.60	2692.53	-20.70
2711.51	-19.80	2729.61	-18.80	2756.87	-18.00	2782.87	-16.90	2808.71	-15.80
2834.57	-14.50	2861.31	-14.90	2879.58	-15.60	2897.60	-15.90	2915.76	-16.30
2941.33	-17.80	2976.19	-18.10	2994.26	-18.30	3012.54	-17.20	3040.28	-15.60
3066.27	-17.40	3094.34	-21.30	3121.07	-23.20	3148.04	-24.70	3174.91	-26.30
3202.46	-26.80	3220.93	-27.30	3239.62	-27.20	3265.86	-26.10	3292.56	-25.70
3310.69	-25.00	3338.38	-24.60	3372.96	-23.80	3400.02	-23.40	3442.12	-24.90
3475.14	-24.90	3499.06	-24.10	3528.13	-24.60	3554.02	-25.70	3580.02	-24.10
R-075		651308.91		950101.31		100.0	9.87		
100CT19	230CT19	154	00	22	132				

058.37	10.90	058.76	8.60	076.16	8.40	094.80	7.80	114.75	7.30
130.00	7.10	159.00	7.10	175.00	4.60	202.00	1.90	228.00	-1.50
236.00	-3.40	264.00	-5.00	275.00	-3.00	298.00	-2.50	325.00	-3.10
351.00	-4.00	374.00	-4.70	398.00	-5.60	419.00	-6.60	448.00	-7.80
476.00	-9.30	498.00	-10.60	518.65	-11.70	539.40	-12.80	561.85	-13.80
584.33	-15.00	606.99	-16.80	636.60	-18.20	658.33	-19.30	682.63	-19.20
704.75	-19.20	730.56	-17.90	763.85	-16.40	782.70	-16.30	801.85	-16.70
821.79	-16.60	841.65	-17.40	860.18	-17.30	889.00	-16.40	909.48	-16.20
927.68	-15.70	945.82	-16.00	966.76	-16.30	989.96	-16.90	1010.15	-16.90
1032.92	-17.30	1060.34	-17.90	1090.51	-18.40	1117.18	-19.00	1143.64	-19.00
1175.46	-19.50	1203.01	-19.90	1221.90	-19.90	1243.60	-20.20	1263.27	-20.50
1281.96	-20.80	1301.36	-20.90	1321.88	-20.80	1350.54	-20.80	1370.07	-20.30
1392.58	-20.60	1420.19	-20.60	1451.40	-21.30	1474.15	-21.20	1499.91	-20.90
1520.32	-21.00	1548.99	-22.30	1567.84	-23.20	1596.39	-23.60	1617.94	-23.80
1636.61	-23.80	1655.71	-23.80	1684.21	-24.10	1713.08	-24.40	1740.62	-24.30
1762.40	-24.40	1786.91	-24.40	1817.90	-24.40	1839.51	-24.40	1873.27	-24.00
1907.03	-23.80	1930.12	-24.20	1948.49	-24.10	1973.79	-23.90	1996.99	-23.90
2020.61	-23.90	2040.96	-24.10	2059.43	-24.10	2078.58	-24.00	2098.59	-24.00
2124.43	-24.40	2155.27	-24.50	2184.54	-24.40	2202.96	-24.60	2221.08	-24.70
2240.90	-24.90	2261.45	-25.00	2288.67	-25.20	2316.64	-25.20	2334.69	-25.30
2363.19	-25.20	2398.97	-25.20	2419.43	-24.90	2446.51	-25.00	2465.30	-24.70
2485.68	-24.70	2505.46	-24.40	2525.09	-24.30	2543.78	-23.90	2573.18	-23.30
2607.44	-23.10	2632.34	-22.90	2651.86	-22.30	2673.81	-21.90	2693.89	-21.70

2721.53	-20.50	2741.38	-19.30	2768.39	-17.90	2790.50	-17.00	2810.54	-15.60
2835.81	-14.10	2858.94	-12.80	2880.93	-12.80	2905.97	-13.40	2938.62	-13.70
2965.71	-15.10	2985.01	-15.20	3005.44	-15.80	3023.68	-15.80	3044.09	-15.50
3073.84	-16.10	3102.81	-18.10	3121.15	-18.80	3143.59	-20.00	3161.90	-21.10
3180.46	-21.60	3202.21	-23.00	3229.22	-24.40	3250.03	-25.10	3276.36	-26.10
3297.57	-26.30	3326.97	-26.60	3355.12	-25.90	3379.33	-23.30	3402.17	-22.50
3427.31	-21.60	3447.87	-20.30	3468.57	-20.40	3488.26	-20.30	3523.56	-20.70
3543.37	-24.60	3569.03	-25.90	3606.01	-27.40	3628.74	-24.70		
R-076		650345.29		949992.36		100.0	9.81		
100CT19	230CT19	166	00	26	140				
053.86	11.10	054.06	8.70	059.24	8.90	070.76	7.90	088.28	7.70
106.86	7.70	126.37	7.70	144.84	7.40	164.94	6.90	186.00	7.00
192.00	5.40	207.00	3.80	230.00	0.70	249.00	-2.00	261.00	-4.30
281.00	-4.60	301.00	-5.20	314.00	-5.70	337.00	-3.70	357.00	-3.20
376.00	-3.60	395.00	-4.50	414.00	-5.30	434.00	-5.70	446.00	-7.00
470.00	-8.20	487.66	-9.70	505.87	-10.70	525.05	-11.60	552.06	-12.80
571.41	-13.70	590.73	-14.40	610.01	-15.60	629.74	-15.90	649.86	-16.40
669.55	-16.40	689.13	-16.60	708.96	-16.40	729.00	-16.30	748.97	-15.40
769.05	-15.20	798.91	-15.50	826.88	-17.40	859.41	-18.70	879.69	-18.60
900.37	-16.80	930.98	-15.70	951.55	-16.20	982.38	-16.80	1009.24	-17.50
1039.73	-17.70	1059.53	-18.30	1079.24	-18.70	1109.74	-18.60	1130.17	-18.90
1150.96	-18.80	1172.58	-19.40	1190.63	-19.00	1209.29	-19.70	1228.46	-19.60
1254.60	-19.60	1284.08	-19.50	1303.85	-19.80	1323.14	-19.40	1343.08	-19.30
1372.64	-19.50	1391.76	-19.20	1412.00	-18.80	1432.35	-18.90	1452.65	-19.10
1472.92	-19.60	1495.87	-20.10	1515.92	-20.30	1536.12	-20.40	1556.15	-20.80
1593.60	-20.90	1627.00	-21.10	1656.95	-21.90	1675.50	-21.60	1694.55	-21.90
1723.71	-21.70	1752.98	-22.70	1772.96	-23.50	1792.61	-24.40	1821.77	-24.90
1849.02	-25.10	1868.75	-25.20	1898.93	-25.10	1919.02	-25.30	1938.98	-25.40
1968.07	-25.60	1987.36	-25.20	2007.47	-24.90	2026.90	-24.90	2056.40	-24.90
2079.51	-25.20	2099.41	-25.40	2128.90	-25.40	2148.97	-25.20	2169.25	-25.20
2199.40	-25.20	2229.26	-25.30	2248.55	-25.50	2267.25	-25.50	2285.98	-25.70
2304.98	-25.60	2323.95	-25.50	2342.15	-26.20	2360.75	-25.60	2380.28	-25.80
2399.70	-26.00	2419.87	-25.60	2439.98	-25.80	2468.53	-25.70	2488.50	-25.40
2509.06	-25.10	2529.46	-24.80	2549.86	-24.90	2570.09	-24.50	2590.53	-24.30
2610.67	-24.00	2639.67	-23.60	2658.38	-22.40	2677.57	-21.80	2698.48	-21.80
2718.04	-22.00	2738.40	-20.50	2758.62	-19.20	2778.89	-18.20	2799.06	-17.30
2819.37	-16.40	2839.04	-14.90	2858.53	-13.90	2888.01	-13.20	2907.59	-13.40
2927.58	-14.40	2958.40	-15.40	2978.92	-16.00	2999.08	-15.80	3020.06	-15.60
3040.52	-14.80	3061.03	-14.90	3091.77	-16.30	3112.25	-18.40	3131.89	-17.90
3150.88	-19.00	3170.13	-19.80	3197.49	-22.50	3225.35	-22.40	3244.83	-23.00
3273.90	-24.50	3292.27	-24.50	3310.74	-24.70	3338.41	-24.90	3357.41	-24.30
3377.53	-23.90	3397.12	-24.00	3417.02	-24.10	3437.35	-24.00	3457.95	-24.20
3477.99	-24.40	3496.01	-26.40	3525.65	-26.10	3545.72	-26.90	3565.69	-27.40
3585.97	-27.10								
R-077		649163.14		949936.98		100.0	9.84		
100CT19	230CT19	155	00	25	130				
049.20	12.40	050.09	9.50	058.90	11.30	074.33	10.70	085.85	8.20
109.51	7.90	131.76	7.40	152.50	7.40	170.27	7.40	189.92	7.40
210.05	7.40	215.00	7.10	226.00	5.50	240.00	4.80	260.00	2.20
280.00	-0.70	290.00	-1.90	299.00	-4.00	306.00	-4.60	332.00	-4.20
356.00	-4.30	381.00	-3.00	407.00	-3.50	427.00	-4.80	466.00	-5.70
496.88	-7.00	518.76	-8.50	539.14	-9.80	563.02	-11.10	585.64	-12.40
626.78	-13.80	645.76	-14.00	673.49	-14.20	700.32	-14.70	720.90	-14.30
742.09	-15.00	771.64	-14.90	802.80	-14.60	839.63	-15.20	866.97	-15.00
887.39	-15.80	905.85	-15.80	923.98	-16.40	952.61	-16.30	971.73	-17.10
990.28	-18.00	1009.50	-18.20	1030.17	-18.90	1049.28	-19.10	1068.09	-19.40
1087.58	-19.30	1119.46	-19.40	1138.52	-19.30	1157.00	-19.00	1176.56	-18.40
1196.32	-18.30	1215.84	-18.90	1234.41	-18.50	1262.29	-19.00	1288.59	-18.00
1315.71	-17.30	1346.55	-17.90	1372.63	-18.10	1394.06	-18.40	1416.34	-19.30
1451.89	-20.10	1480.48	-20.70	1498.76	-20.50	1520.53	-21.10	1541.39	-21.60
1560.15	-21.70	1596.79	-22.20	1624.60	-23.50	1653.84	-24.10	1673.38	-24.00
1695.94	-24.90	1716.22	-24.80	1735.37	-25.00	1763.14	-25.00	1783.08	-24.90
1820.97	-25.00	1841.58	-24.90	1877.78	-24.80	1907.59	-25.30	1927.42	-25.80
1945.67	-26.30	1965.72	-26.60	1985.58	-26.50	2012.92	-26.20	2051.47	-26.30
2082.58	-26.20	2102.71	-26.00	2121.52	-26.00	2140.19	-26.30	2159.91	-26.30
2189.42	-26.20	2217.66	-26.50	2237.22	-26.40	2265.07	-26.40	2284.79	-26.20
2304.69	-26.30	2323.91	-25.90	2351.57	-25.60	2373.57	-25.30	2398.45	-25.30
2419.61	-24.90	2441.96	-24.80	2467.84	-23.60	2486.95	-23.70	2507.26	-23.20
2526.30	-22.70	2546.24	-22.90	2572.77	-23.10	2592.86	-22.80	2615.10	-22.20

2641.19	-19.50	2660.86	-18.60	2681.46	-17.60	2699.91	-16.50	2718.20	-15.70
2738.27	-14.30	2757.43	-13.30	2778.25	-12.50	2796.59	-12.80	2823.97	-12.70
2845.63	-13.60	2873.75	-14.10	2898.19	-14.70	2918.89	-14.90	2938.18	-14.50
2966.97	-14.90	2998.15	-14.40	3033.96	-15.60	3053.62	-16.40	3086.15	-17.70
3111.73	-19.00	3146.31	-19.70	3165.62	-20.00	3184.11	-20.70	3202.46	-21.10
3232.58	-21.60	3270.19	-21.90	3289.24	-21.40	3309.71	-21.00	3328.76	-20.60
3357.11	-20.90	3393.77	-21.20	3412.90	-21.90	3440.27	-22.70	3459.63	-23.30
3486.46	-24.30	3506.35	-25.00	3544.42	-25.30	3573.12	-26.20	3599.65	-26.30

R-078 648132.29 949927.83 100.0 12.14

100CT19 230CT19 156 00 31 125

016.52	14.90	016.76	12.90	020.58	12.70	032.96	11.30	044.80	10.60
060.46	9.60	082.41	8.70	104.42	8.00	125.05	7.60	145.12	7.20
165.98	6.80	184.85	6.90	205.00	7.30	210.00	7.10	219.00	5.60
241.00	3.20	264.00	-0.40	279.00	-2.10	287.00	-4.30	309.00	-4.40
328.00	-4.80	348.00	-5.20	361.00	-5.20	386.00	-5.10	405.00	-4.10
421.00	-3.80	446.00	-4.50	461.00	-5.80	478.00	-6.50	500.00	-7.70
523.00	-9.20	540.11	-10.20	565.41	-11.80	591.96	-13.10	618.61	-14.20
645.07	-15.70	671.30	-16.60	697.70	-16.80	723.70	-16.80	750.22	-17.30
777.60	-17.90	795.82	-17.80	814.19	-18.00	832.96	-18.00	851.45	-17.90
878.92	-18.10	897.47	-18.10	931.62	-18.00	949.77	-17.80	967.77	-17.70
995.13	-17.80	1021.88	-18.10	1109.41	-17.30	1129.52	-17.70	1157.53	-18.00
1176.57	-18.10	1194.83	-17.90	1213.62	-18.10	1232.30	-17.70	1251.11	-17.70
1269.70	-17.90	1288.82	-18.40	1307.44	-18.50	1326.00	-19.00	1353.51	-19.20
1372.35	-19.70	1390.58	-20.10	1416.47	-21.10	1450.91	-20.40	1494.97	-20.70
1513.05	-20.40	1531.44	-20.70	1550.17	-20.80	1568.80	-21.60	1595.02	-22.50
1638.93	-23.30	1657.21	-23.60	1682.87	-24.70	1707.95	-23.30	1743.86	-23.70
1764.24	-23.60	1789.26	-23.20	1814.67	-23.50	1833.53	-24.60	1853.17	-25.30
1874.34	-25.30	1895.02	-25.60	1923.42	-25.40	1953.16	-25.80	1975.91	-25.90
2007.01	-26.00	2031.15	-26.40	2063.24	-26.50	2087.28	-26.50	2118.54	-27.60
2141.76	-26.80	2159.95	-27.40	2190.51	-27.20	2221.42	-27.30	2252.47	-27.20
2275.66	-26.90	2299.43	-26.80	2320.21	-26.10	2352.95	-25.30	2377.43	-24.60
2401.92	-24.00	2427.13	-23.40	2452.31	-23.00	2476.89	-22.20	2502.07	-22.00
2527.22	-20.40	2552.50	-19.00	2584.40	-18.60	2607.12	-17.50	2631.39	-16.50
2650.33	-15.80	2688.38	-14.90	2713.04	-13.90	2734.39	-13.90	2757.10	-14.20
2783.16	-14.20	2806.41	-14.40	2830.41	-14.60	2854.08	-14.70	2883.48	-14.10
2905.59	-13.60	2928.93	-13.50	2953.46	-14.50	2977.40	-15.60	2999.33	-16.60
3021.96	-18.80	3043.35	-18.80	3066.55	-19.80	3098.08	-21.20	3122.51	-22.20
3147.00	-22.40	3171.08	-21.90	3195.55	-21.30	3220.12	-20.90	3260.95	-20.50
3285.55	-20.40	3310.07	-20.90	3341.88	-22.10	3382.53	-23.20	3416.55	-24.60
3442.38	-23.50	3468.92	-23.30	3494.96	-23.20	3520.61	-22.50	3564.67	-24.00
3590.65	-25.90	3616.32	-26.60	3642.22	-26.10	3667.05	-25.30	3702.64	-26.10
3738.48	-26.80								

T-079 647083.10 949738.16 100.0 13.34

280CT19 230CT19 163 00 40 123

019.41	15.80	019.58	14.70	026.72	14.20	041.32	13.70	054.77	14.10
062.08	15.20	069.60	14.30	089.03	13.80	109.34	13.50	129.30	13.10
149.83	12.70	169.45	12.00	189.78	11.30	207.66	11.10	213.72	11.70
226.18	11.00	232.27	9.30	251.09	8.30	270.80	7.60	291.48	6.90
312.50	6.30	332.75	5.80	350.00	6.20	370.00	6.30	390.00	6.40
412.00	3.20	434.00	0.50	457.00	-2.50	479.00	-3.80	504.00	-4.40
530.00	-4.80	554.00	-5.00	576.00	-5.30	598.00	-5.20	620.00	-5.10
643.00	-5.10	664.00	-5.70	685.00	-8.40	705.00	-10.00	729.00	-11.20
747.86	-12.40	768.74	-13.40	791.01	-14.50	825.63	-15.30	847.51	-15.60
875.81	-16.00	902.80	-16.20	924.66	-15.80	948.72	-16.20	972.53	-15.60
993.92	-15.10	1014.46	-14.70	1041.37	-14.30	1063.02	-14.00	1092.37	-13.80
1110.38	-14.00	1130.30	-14.00	1151.00	-14.70	1188.66	-16.20	1210.32	-16.30
1229.42	-16.60	1247.54	-16.90	1268.07	-17.20	1287.29	-16.60	1306.97	-16.90
1337.08	-17.30	1366.50	-18.10	1385.51	-18.40	1404.39	-19.00	1423.65	-19.60
1442.87	-20.10	1461.67	-20.20	1480.17	-20.20	1513.21	-20.90	1531.38	-20.80
1550.41	-21.20	1571.60	-21.40	1591.39	-21.30	1612.19	-21.30	1631.64	-20.80
1669.58	-19.50	1702.20	-18.60	1731.80	-17.80	1756.59	-17.70	1779.44	-15.50
1804.58	-16.10	1839.76	-14.40	1858.65	-14.40	1878.04	-14.90	1909.30	-14.80
1947.58	-14.90	1975.64	-15.50	2006.13	-16.60	2045.55	-16.90	2064.75	-18.90
2099.00	-18.80	2118.92	-20.10	2147.17	-22.00	2167.59	-24.50	2202.50	-25.40
2222.97	-25.80	2259.08	-25.50	2279.92	-23.60	2307.03	-23.80	2337.65	-23.80
2356.30	-25.20	2376.54	-25.10	2395.17	-26.10	2415.15	-26.40	2434.53	-26.70
2452.90	-26.70	2474.57	-26.70	2504.09	-26.70	2531.08	-25.80	2552.42	-24.70
2581.44	-25.00	2601.60	-23.40	2621.90	-21.70	2640.42	-21.20	2660.98	-20.80
2688.76	-21.00	2708.33	-20.50	2728.00	-20.20	2746.76	-19.70	2767.74	-18.70

2790.37	-19.00	2816.99	-18.70	2839.15	-18.90	2859.97	-18.80	2887.78	-19.00
2907.30	-18.30	2929.01	-17.30	2967.00	-17.10	2994.55	-16.30	3029.67	-16.00
3047.81	-16.70	3072.91	-16.90	3091.92	-16.70	3118.83	-17.60	3137.58	-18.30
3174.27	-18.90	3202.47	-20.40	3228.88	-21.30	3255.47	-21.40	3282.35	-21.30
3301.77	-21.20	3330.09	-21.10	3349.17	-21.70	3374.67	-22.10	3394.47	-23.10
3414.59	-23.60	3441.17	-24.70	3471.34	-25.70	3496.40	-26.90	3526.92	-26.80
3562.19	-27.40	3592.43	-27.40	3630.24	-27.70	3657.58	-27.00	3677.95	-22.40
3713.68	-21.60	3743.09	-22.10	3764.46	-22.50				
R-080		645961.94		949773.07		95.0	9.95		
100CT19	230CT19	192	00	33	159				
069.15	11.20	080.09	10.50	092.84	10.70	107.42	12.30	123.17	12.40
139.31	12.10	156.00	11.70	173.86	11.40	187.82	9.70	203.50	8.40
213.79	8.70	219.82	9.30	223.33	9.50	230.59	8.00	244.45	7.60
264.53	7.20	282.18	6.60	299.44	6.00	320.33	6.50	335.00	7.10
343.00	5.50	364.00	3.60	387.00	0.20	404.00	-2.00	413.00	-4.10
434.00	-4.50	451.00	-4.80	462.00	-6.00	471.00	-5.20	487.00	-5.00
508.00	-4.50	531.00	-4.50	550.00	-5.20	594.53	-8.20	612.57	-9.10
632.76	-10.20	653.33	-11.30	674.39	-12.20	695.03	-13.10	715.96	-14.20
737.55	-14.70	769.64	-14.70	791.00	-15.00	812.31	-14.20	833.97	-14.30
855.27	-14.40	877.54	-14.40	898.98	-14.30	920.36	-14.00	941.66	-14.00
963.08	-13.70	984.61	-13.20	1006.31	-12.90	1027.40	-13.40	1048.77	-12.20
1070.09	-12.60	1091.10	-12.70	1110.63	-13.60	1131.85	-14.80	1153.16	-15.80
1174.64	-16.20	1195.90	-16.60	1228.44	-18.00	1249.88	-18.50	1271.44	-19.40
1292.97	-19.60	1325.22	-19.60	1346.65	-19.70	1378.33	-19.40	1400.19	-19.20
1421.10	-18.60	1453.35	-18.30	1474.46	-17.20	1506.11	-17.20	1527.11	-17.40
1547.87	-15.70	1569.26	-16.50	1600.71	-15.70	1632.23	-13.50	1653.25	-14.10
1673.51	-16.40	1693.56	-17.10	1713.11	-16.60	1733.85	-15.90	1754.25	-17.00
1774.93	-14.00	1795.52	-14.70	1827.13	-15.10	1859.63	-15.50	1881.16	-16.20
1902.89	-17.60	1923.92	-18.20	1945.56	-17.30	1966.56	-16.80	1988.20	-16.20
2009.20	-16.40	2030.32	-16.20	2051.39	-16.00	2073.02	-15.60	2104.54	-15.60
2124.79	-15.80	2146.08	-15.90	2166.09	-16.20	2186.01	-16.70	2208.80	-16.80
2227.95	-17.40	2257.05	-17.60	2276.20	-18.40	2303.11	-19.20	2332.87	-19.80
2353.44	-20.50	2373.70	-21.50	2404.48	-23.20	2425.17	-24.00	2445.99	-24.90
2466.57	-26.30	2486.92	-26.70	2507.31	-28.20	2527.23	-29.40	2547.83	-29.90
2567.81	-30.10	2598.23	-30.10	2618.61	-30.10	2649.38	-29.60	2670.14	-29.10
2690.51	-29.20	2711.36	-28.00	2730.46	-26.70	2751.40	-25.00	2771.88	-24.40
2792.54	-24.00	2812.85	-23.20	2833.10	-22.30	2854.07	-21.40	2874.64	-20.60
2895.20	-20.40	2915.59	-19.60	2945.57	-19.10	2976.55	-19.20	3007.50	-19.30
3037.91	-20.40	3058.14	-20.50	3078.58	-21.10	3098.75	-21.90	3128.07	-21.60
3147.53	-22.20	3167.46	-22.70	3187.76	-23.20	3218.30	-23.90	3237.72	-24.10
3258.40	-24.40	3278.62	-25.00	3299.05	-25.70	3319.21	-26.10	3339.24	-26.70
3370.46	-26.70	3391.15	-27.00	3411.30	-27.70	3431.94	-27.20	3452.13	-27.50
3473.09	-28.10	3493.62	-28.30	3514.27	-28.50	3534.94	-28.50	3555.50	-28.10
3576.18	-27.50	3597.26	-27.10	3618.06	-26.50	3638.44	-25.30	3669.32	-25.20
3689.63	-24.80	3710.40	-25.40	3731.12	-26.80	3761.34	-27.30	3781.99	-28.00
3802.66	-28.40	3823.46	-30.30	3844.16	-31.70	3864.91	-31.90	3885.84	-32.70
3906.79	-32.90	3926.64	-33.10	3946.94	-33.80	3967.27	-34.30	3997.54	-34.40
4017.88	-35.10	4045.19	-35.80	4069.87	-36.60	4092.26	-36.60	4122.76	-38.00
4148.59	-37.90	4170.67	-39.20						
R-081		644879.95		949776.41		95.0	14.28		
280CT19	230CT19	157	00	33	124				
033.37	14.90	037.13	15.00	042.28	13.80	053.03	11.80	074.04	9.90
094.89	8.70	116.61	7.90	138.93	7.30	159.89	7.10	180.33	7.00
199.12	7.00	219.97	6.80	239.18	6.70	264.20	6.70	278.18	6.60
289.70	6.50	309.70	6.60	333.00	7.10	350.00	4.60	371.00	3.10
394.00	0.00	414.00	-2.60	436.00	-4.30	459.00	-3.20	481.00	-3.00
505.00	-3.50	528.00	-4.40	552.00	-4.70	572.00	-6.90	594.00	-7.80
616.00	-8.70	638.00	-9.70	659.00	-11.00	685.83	-12.20	705.44	-12.90
723.58	-13.50	741.79	-14.20	772.70	-15.50	791.77	-14.40	811.93	-14.00
830.68	-13.80	863.78	-14.70	885.36	-14.90	903.85	-15.50	921.99	-16.90
952.94	-19.00	971.21	-19.50	989.23	-19.80	1011.33	-20.10	1045.94	-19.90
1068.37	-19.90	1089.38	-19.80	1119.24	-19.60	1146.11	-19.80	1171.25	-19.30
1191.70	-19.10	1209.79	-18.90	1234.92	-18.30	1257.03	-17.50	1275.53	-17.50
1298.76	-15.10	1323.04	-13.90	1341.59	-12.60	1366.68	-12.40	1395.74	-13.40
1426.26	-13.00	1459.71	-13.70	1479.20	-14.80	1504.21	-16.00	1522.62	-16.80
1541.70	-17.60	1567.90	-17.40	1600.09	-17.00	1619.20	-17.10	1650.16	-17.40
1682.25	-17.80	1716.42	-18.40	1736.81	-18.40	1755.65	-17.60	1778.29	-18.00
1801.62	-17.60	1819.91	-17.90	1853.58	-18.80	1876.05	-18.60	1900.17	-18.70
1928.31	-18.80	1950.42	-18.30	1971.52	-18.30	1991.28	-19.00	2017.89	-19.30

2038.05	-19.30	2060.45	-19.70	2085.54	-20.10	2115.41	-19.50	2138.00	-19.40
2156.29	-18.60	2190.68	-18.40	2209.96	-18.40	2229.82	-19.20	2257.83	-20.20
2278.53	-19.10	2300.68	-20.50	2329.20	-20.90	2348.63	-20.20	2366.94	-19.40
2401.43	-20.00	2419.91	-20.50	2440.49	-21.60	2458.56	-23.70	2485.36	-25.00
2503.39	-26.60	2526.43	-27.90	2545.15	-28.70	2573.57	-30.30	2596.45	-31.60
2614.77	-32.00	2634.22	-32.30	2658.21	-32.80	2679.20	-33.10	2705.34	-33.30
2723.64	-33.60	2750.45	-33.20	2768.80	-33.70	2798.08	-33.50	2821.58	-33.20
2842.60	-33.60	2865.91	-33.30	2888.33	-32.60	2910.91	-32.20	2929.41	-31.50
2956.59	-30.80	2975.32	-29.70	2998.21	-28.60	3025.96	-27.70	3044.43	-27.60
3066.69	-25.80	3099.88	-24.90	3135.53	-25.10	3167.90	-25.60	3193.93	-26.10
3213.60	-26.50	3233.91	-26.70	3258.38	-27.10	3280.39	-27.20	3308.66	-27.20
3326.83	-26.90	3356.61	-27.10	3383.08	-27.30	3413.03	-27.00	3431.36	-26.10
3460.68	-25.80	3483.91	-26.10	3504.03	-25.60	3526.11	-26.10	3544.47	-27.00
3564.41	-27.10	3591.04	-27.80						
R-081.3		644532.42		949784.06		90.0	0.00		
280CT19	230CT19	159	00	25	134				

114.25	9.20	123.51	9.10	129.93	9.30	149.48	7.70	162.06	7.30
177.40	7.40	194.65	7.00	215.37	6.70	233.72	6.20	253.53	5.60
270.35	5.90	290.19	6.50	309.00	6.60	323.00	5.10	344.00	1.70
363.00	-0.70	384.00	-3.10	404.00	-2.50	428.00	-2.60	449.00	-3.30
474.00	-4.10	498.00	-5.00	524.00	-6.10	542.00	-6.90	562.00	-8.00
580.95	-9.70	599.21	-11.00	618.80	-12.50	637.39	-13.30	655.61	-14.30
676.28	-15.10	698.19	-15.80	717.99	-16.60	737.83	-16.80	756.68	-15.30
774.75	-15.10	795.21	-15.10	815.45	-15.90	833.75	-16.40	851.91	-17.60
870.24	-18.30	888.58	-19.10	912.30	-19.00	942.82	-19.00	965.68	-18.90
984.84	-19.00	1020.23	-19.20	1041.15	-18.90	1064.53	-19.30	1092.77	-19.20
1121.60	-19.40	1147.08	-19.30	1175.25	-19.40	1195.10	-19.10	1223.50	-19.20
1241.68	-18.60	1261.79	-17.90	1281.27	-16.70	1299.42	-14.10	1322.43	-13.80
1345.27	-14.40	1363.68	-14.20	1386.84	-14.60	1414.30	-14.70	1435.36	-15.40
1453.80	-15.90	1486.94	-16.10	1516.25	-17.40	1535.41	-16.50	1560.64	-16.90
1593.90	-17.70	1620.31	-18.20	1643.12	-18.30	1678.13	-19.30	1698.85	-18.00
1718.59	-18.60	1736.60	-18.00	1754.60	-17.40	1773.50	-17.80	1793.05	-18.20
1812.99	-18.70	1832.49	-19.10	1851.14	-18.60	1869.64	-19.20	1890.03	-19.00
1910.16	-18.40	1929.87	-19.30	1959.87	-18.70	1978.19	-19.70	2002.59	-19.70
2022.33	-20.30	2050.88	-20.10	2071.33	-20.20	2099.13	-20.10	2126.53	-19.70
2145.60	-19.70	2165.26	-20.10	2190.93	-19.70	2211.43	-19.50	2233.62	-19.50
2251.67	-19.80	2270.31	-20.00	2296.71	-20.40	2328.64	-20.50	2359.23	-20.50
2379.70	-20.10	2398.41	-20.60	2418.35	-20.80	2437.80	-20.90	2472.49	-22.70
2490.66	-23.90	2508.77	-25.80	2527.00	-28.20	2558.24	-29.80	2582.07	-30.90
2601.06	-32.30	2619.27	-33.20	2641.98	-33.60	2660.75	-33.60	2684.76	-33.60
2707.81	-33.30	2741.93	-33.80	2766.81	-33.50	2796.87	-33.60	2825.75	-33.70
2854.13	-33.30	2879.99	-33.00	2899.12	-32.50	2917.37	-31.20	2936.80	-30.40
2956.84	-29.10	2978.30	-28.40	3002.26	-26.40	3020.30	-25.80	3045.31	-25.10
3071.65	-24.40	3090.57	-24.50	3111.36	-25.10	3135.22	-25.00	3156.31	-25.40
3174.73	-25.40	3194.13	-26.00	3219.06	-26.40	3251.30	-26.80	3273.33	-26.70
3295.92	-26.70	3316.10	-27.00	3336.54	-27.20	3370.00	-28.10	3393.47	-27.20
3412.11	-27.30	3430.49	-27.30	3458.87	-26.70	3489.38	-26.80	3514.06	-27.10
3534.44	-27.40	3557.86	-28.10	3577.43	-28.30	3595.51	-29.10		
R-081.7		644169.54		949690.79		90.0	0.00		
280CT19	310CT19	164	00	35	129				

001.56	9.60	001.87	5.50	018.04	5.50	036.12	5.60	054.66	5.80
072.30	5.90	091.73	6.00	111.14	6.60	129.65	7.20	147.33	7.70
166.03	8.00	185.88	7.90	205.74	7.50	225.40	7.20	244.42	6.80
257.22	6.50	272.49	6.30	293.04	5.90	314.18	5.50	335.09	5.00
355.23	5.60	377.00	5.40	395.00	2.60	416.00	-0.20	435.00	-3.00
457.00	-3.90	480.00	-4.30	502.00	-4.90	527.00	-5.50	552.00	-5.90
572.00	-5.90	594.00	-6.20	617.00	-8.00	638.00	-9.60	662.00	-11.30
677.11	-11.80	695.71	-13.20	715.18	-14.40	735.15	-15.10	756.07	-16.20
775.34	-16.70	794.84	-17.70	813.26	-18.90	834.21	-19.20	857.20	-19.60
875.44	-20.50	909.87	-20.70	935.88	-20.80	961.35	-21.00	982.93	-20.70
1001.37	-20.60	1026.91	-20.40	1051.65	-20.60	1073.48	-20.40	1102.92	-20.10
1129.53	-20.20	1150.39	-19.80	1179.05	-19.40	1198.05	-19.30	1225.67	-17.70
1250.24	-17.00	1268.62	-15.10	1291.03	-14.00	1319.35	-13.40	1337.70	-13.70
1364.85	-13.10	1395.26	-14.30	1413.55	-14.70	1431.87	-14.00	1457.25	-13.10
1484.12	-13.60	1504.57	-14.00	1536.90	-14.80	1566.14	-15.20	1590.29	-16.90
1624.18	-17.80	1642.53	-17.80	1662.42	-18.10	1683.29	-19.10	1702.19	-18.00
1723.87	-17.70	1742.20	-19.20	1772.50	-18.40	1790.84	-17.50	1809.03	-18.40
1828.71	-17.30	1848.11	-17.50	1868.96	-18.20	1886.97	-18.50	1905.04	-18.80
1925.80	-18.70	1943.95	-19.50	1979.65	-19.10	1999.69	-19.20	2020.83	-18.80

2050.33	-19.20	2073.11	-19.60	2092.92	-20.30	2123.73	-20.00	2157.11	-20.80
2190.45	-21.50	2218.62	-21.20	2244.91	-21.40	2266.89	-21.50	2302.34	-21.40
2324.63	-21.70	2343.80	-21.40	2363.64	-22.10	2388.39	-21.90	2415.38	-21.30
2434.85	-21.00	2453.52	-20.80	2479.08	-20.90	2497.90	-21.60	2516.17	-22.80
2534.59	-24.30	2566.34	-26.60	2584.70	-28.60	2603.28	-30.10	2621.61	-33.00
2649.57	-33.50	2667.89	-34.30	2686.12	-34.40	2709.90	-34.00	2734.47	-34.20
2756.69	-34.10	2784.64	-33.90	2804.13	-33.80	2826.04	-34.10	2844.25	-34.10
2863.52	-34.20	2897.44	-34.10	2925.61	-34.10	2944.93	-33.90	2968.06	-34.30
2987.26	-34.10	3005.52	-32.10	3034.56	-31.70	3054.15	-29.90	3073.92	-28.40
3095.01	-27.80	3113.95	-26.30	3132.63	-25.20	3154.87	-24.80	3173.63	-24.60
3200.42	-24.80	3222.05	-25.90	3249.90	-25.50	3268.80	-26.40	3292.37	-27.10
3320.99	-27.70	3341.91	-27.90	3365.37	-28.90	3385.42	-29.10	3403.88	-28.90
3422.48	-29.50	3443.44	-29.30	3463.33	-29.00	3483.06	-28.60	3501.62	-28.40
3522.41	-28.20	3544.93	-27.90	3570.90	-27.80	3589.07	-27.70		

R-082 643844.07 949652.18 90.0 8.48

280CT19 310CT19 159 00 32 127

003.81	9.50	004.06	6.50	008.70	7.00	020.85	6.60	035.03	6.80
048.75	7.10	067.90	7.50	087.70	8.00	109.04	8.60	128.27	8.60
147.28	8.90	166.93	8.80	186.40	8.70	208.73	8.20	229.65	7.80
252.02	7.60	272.95	7.10	292.29	6.80	314.02	6.50	334.62	6.40
354.58	6.40	372.00	6.60	392.00	4.50	410.00	3.40	428.00	1.60
448.00	-0.90	470.00	-3.20	495.00	-3.80	520.00	-4.00	542.00	-4.10
566.00	-4.60	590.00	-6.30	614.00	-8.00	637.21	-9.70	660.07	-10.50
678.08	-11.80	697.21	-13.40	716.16	-14.20	734.25	-15.40	752.99	-16.60
772.25	-17.20	807.14	-19.20	825.49	-20.10	843.91	-20.40	871.30	-20.80
898.58	-20.50	916.66	-21.00	934.68	-20.80	968.84	-20.90	992.90	-21.30
1015.16	-20.80	1037.04	-21.10	1063.33	-20.90	1090.09	-21.00	1112.80	-21.00
1140.04	-21.00	1158.98	-20.20	1180.47	-20.10	1202.44	-19.90	1220.59	-18.20
1239.72	-16.20	1258.08	-15.60	1279.47	-13.90	1307.66	-13.50	1328.09	-14.40
1354.36	-13.90	1381.84	-15.00	1406.44	-14.30	1432.69	-13.70	1452.47	-13.30
1485.38	-14.10	1503.60	-13.50	1534.96	-13.50	1559.29	-14.10	1583.97	-15.10
1616.45	-15.90	1638.09	-16.60	1665.03	-17.20	1683.05	-16.60	1703.89	-17.20
1723.43	-17.60	1751.02	-18.80	1775.22	-17.60	1797.21	-17.10	1815.43	-17.10
1845.46	-17.10	1864.61	-17.20	1883.06	-17.90	1916.38	-17.90	1935.95	-18.60
1962.94	-18.60	1990.36	-18.70	2009.51	-18.30	2040.70	-18.30	2061.01	-18.50
2092.92	-18.80	2124.78	-19.00	2152.66	-18.90	2172.68	-19.80	2198.21	-21.10
2228.30	-21.50	2260.33	-21.90	2283.36	-21.90	2306.19	-22.40	2338.62	-21.80
2357.04	-21.60	2380.84	-21.90	2415.17	-22.20	2433.59	-22.60	2452.69	-22.40
2482.88	-21.70	2507.77	-22.90	2529.30	-24.10	2547.31	-25.00	2566.00	-26.80
2601.45	-28.40	2623.02	-29.30	2641.03	-30.60	2660.32	-32.30	2680.66	-34.30
2699.08	-35.10	2730.26	-35.10	2748.86	-35.30	2771.83	-35.50	2789.92	-35.10
2810.31	-34.80	2828.37	-35.10	2847.78	-35.10	2868.71	-35.30	2892.80	-35.60
2913.79	-35.90	2936.90	-34.00	2957.37	-33.00	2984.68	-32.40	3005.69	-30.40
3023.82	-29.60	3043.08	-28.30	3061.11	-27.30	3079.45	-26.80	3097.73	-25.90
3116.28	-25.40	3147.49	-25.00	3178.66	-25.60	3199.44	-26.40	3223.00	-27.00
3246.31	-28.00	3280.41	-28.60	3302.85	-28.80	3321.30	-29.40	3343.63	-29.40
3371.94	-29.40	3391.19	-30.10	3424.61	-30.10	3448.34	-30.00	3467.21	-30.30
3487.62	-29.60	3522.79	-29.20	3551.59	-28.60	3573.20	-28.90		

R-082.3 643508.03 949643.62 90.0 0.00

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-012.07	10.40	-003.21	8.90	005.20	9.40	012.63	10.60	019.09	9.00
036.13	9.20	060.10	9.80	084.76	9.20	107.63	8.50	131.10	8.10
154.44	7.80	179.06	7.60	203.63	7.30	229.11	7.20	252.13	7.20
275.25	7.00	296.32	6.90	317.83	6.80	340.11	6.80	360.01	6.50
381.00	6.70	398.00	5.40	400.00	3.70	417.00	1.70	437.00	-0.50
459.00	-2.40	482.00	-3.30	503.00	-3.40	527.00	-4.20	552.00	-5.20
579.00	-5.70	607.00	-6.90	627.00	-8.50	647.00	-10.10	670.00	-11.40
692.44	-12.80	721.38	-14.60	741.86	-15.40	760.77	-16.20	779.27	-17.20
799.02	-18.10	817.28	-18.30	835.83	-19.50	854.16	-20.60	875.63	-20.50
896.05	-20.70	924.17	-21.00	944.80	-21.10	966.89	-21.00	989.24	-21.30
1007.90	-21.50	1038.08	-21.30	1062.74	-21.50	1087.69	-21.30	1112.03	-21.20
1132.71	-21.30	1154.15	-21.00	1174.76	-20.70	1195.76	-20.20	1217.80	-17.60
1236.01	-16.60	1254.34	-15.90	1272.70	-16.60	1292.36	-14.90	1319.30	-15.60
1349.44	-14.30	1369.12	-14.50	1393.52	-14.50	1429.18	-14.30	1449.93	-13.20
1472.14	-13.40	1494.75	-13.30	1514.13	-13.60	1532.35	-13.00	1552.33	-13.50
1583.56	-15.10	1604.80	-14.40	1623.59	-14.60	1642.06	-15.80	1676.21	-16.00
1707.84	-16.10	1738.04	-16.40	1764.76	-16.50	1786.50	-16.90	1808.09	-16.00
1837.40	-15.30	1857.93	-16.20	1889.23	-16.90	1914.69	-16.60	1932.99	-17.10
1951.70	-17.70	1974.12	-18.60	1993.37	-18.80	2012.24	-19.00	2034.81	-18.40

2059.75	-18.40	2080.90	-18.90	2107.76	-18.80	2129.36	-19.30	2148.44	-19.50
2167.30	-20.10	2188.66	-20.90	2209.73	-21.90	2232.69	-21.80	2252.55	-22.20
2272.96	-22.20	2301.76	-22.80	2320.25	-22.30	2346.44	-22.50	2368.20	-23.00
2387.20	-22.50	2408.78	-24.00	2428.15	-23.40	2449.04	-22.70	2473.94	-23.40
2497.30	-23.50	2515.59	-23.70	2536.66	-23.40	2557.92	-23.80	2580.92	-23.70
2609.85	-24.40	2628.81	-26.20	2647.16	-29.40	2665.30	-30.30	2684.40	-31.50
2708.68	-33.30	2728.48	-34.00	2753.32	-33.80	2774.06	-34.00	2807.47	-33.90
2828.94	-34.00	2851.58	-34.20	2882.45	-34.20	2910.15	-34.40	2929.87	-34.90
2959.95	-34.80	2982.21	-34.90	3009.98	-35.30	3040.98	-35.50	3062.34	-35.60
3088.38	-36.10	3121.71	-36.10	3139.90	-36.50	3159.07	-36.60	3177.61	-37.30
3204.99	-37.10	3236.33	-37.80	3256.12	-37.50	3275.69	-37.90	3296.01	-37.90
3314.94	-37.80	3334.76	-37.90	3366.28	-38.10	3387.53	-37.90	3406.72	-38.30
3425.58	-37.80	3448.45	-38.40	3469.47	-38.00	3490.89	-37.70	3513.07	-37.60
3532.46	-38.00	3557.43	-37.60	3580.39	-37.60				
R-082.7		643161.43		949656.89		90.0	0.00		
280CT19	310CT19	160	00	36	124				

-001.01	8.90	014.09	8.60	029.24	8.10	040.64	7.80	041.03	8.30
071.17	8.20	071.34	7.90	091.53	7.50	112.83	7.50	132.06	7.30
154.46	7.20	176.50	6.80	197.83	6.50	218.03	6.60	240.01	6.50
261.52	6.60	287.02	6.50	306.30	6.50	327.46	6.40	339.51	6.40
359.55	6.60	376.00	6.60	390.00	4.90	409.00	2.50	431.00	0.40
453.00	-0.70	477.00	-1.00	501.00	-2.00	523.00	-3.40	548.00	-4.60
573.00	-6.10	597.00	-7.70	616.00	-8.70	635.00	-9.70	655.00	-10.90
676.00	-12.00	691.31	-13.60	709.41	-14.20	729.53	-15.20	748.30	-15.90
769.14	-16.70	792.59	-17.90	810.70	-18.30	828.97	-18.90	847.35	-19.70
868.03	-20.30	888.87	-20.50	910.89	-20.40	929.44	-20.10	947.60	-20.40
968.10	-20.30	989.54	-20.00	1010.72	-20.10	1040.75	-20.00	1071.57	-19.60
1105.15	-19.20	1125.55	-18.90	1146.69	-18.80	1165.46	-17.30	1192.04	-17.50
1220.05	-15.60	1245.73	-15.10	1268.03	-15.40	1286.80	-13.40	1305.41	-14.00
1327.83	-14.00	1347.91	-13.60	1367.38	-14.10	1391.11	-15.10	1415.81	-15.90
1450.13	-15.70	1471.18	-15.30	1507.67	-16.10	1527.07	-16.60	1547.66	-16.30
1566.75	-15.80	1588.95	-15.40	1606.99	-16.20	1629.62	-16.40	1647.66	-17.10
1668.09	-17.20	1696.49	-18.60	1722.14	-18.80	1745.68	-18.60	1777.43	-18.50
1796.86	-19.20	1816.75	-18.40	1835.35	-18.10	1855.79	-17.60	1873.94	-18.20
1898.32	-18.90	1926.94	-19.90	1961.63	-20.60	1994.73	-20.90	2021.05	-21.00
2043.43	-21.30	2063.14	-21.20	2083.27	-21.70	2111.00	-21.50	2138.03	-22.40
2157.45	-23.10	2190.67	-22.70	2211.44	-23.10	2237.59	-23.20	2255.96	-23.40
2289.75	-23.50	2315.89	-24.30	2336.78	-23.70	2356.22	-24.30	2377.60	-24.60
2411.64	-25.10	2430.60	-24.60	2450.95	-25.50	2474.54	-25.30	2498.49	-25.30
2517.10	-24.50	2543.61	-23.90	2576.03	-24.70	2606.66	-25.50	2630.41	-27.00
2653.78	-27.30	2685.43	-27.30	2712.12	-27.60	2743.26	-27.80	2778.72	-28.30
2801.76	-28.90	2820.26	-28.50	2838.53	-29.80	2866.05	-30.50	2884.98	-30.70
2907.08	-30.80	2934.66	-31.50	2958.04	-31.90	2978.56	-32.20	3000.80	-32.80
3020.80	-33.50	3056.77	-33.20	3075.87	-32.60	3093.90	-32.90	3124.50	-32.50
3145.30	-32.50	3163.71	-32.80	3189.98	-33.40	3219.92	-33.30	3239.32	-31.90
3263.73	-30.80	3283.53	-27.70	3306.79	-25.90	3326.22	-25.50	3347.36	-25.80
3365.70	-25.50	3386.56	-25.10	3411.19	-26.00	3433.25	-28.40	3452.28	-27.50
3470.78	-29.80	3499.48	-32.00	3517.54	-34.40	3535.56	-35.90	3567.95	-36.40
R-083		642824.95		949541.75		90.0	9.15		
280CT19	310CT19	165	00	37	128				

003.58	9.40	003.79	5.80	014.19	6.10	031.14	6.60	050.00	6.90
069.95	6.80	089.70	6.80	109.36	6.70	130.87	6.60	153.44	6.40
173.70	6.20	192.44	6.30	214.16	6.30	235.42	6.50	256.48	6.70
276.25	6.70	297.62	7.00	316.98	6.90	337.67	7.10	359.55	7.00
382.22	7.10	404.45	7.20	422.65	6.70	439.91	6.20	459.85	6.20
480.00	6.60	491.00	6.30	511.00	4.90	521.00	4.50	541.00	1.80
559.00	0.70	574.00	0.40	597.00	-1.00	620.00	-2.60	643.00	-4.20
671.00	-6.30	695.00	-7.80	718.00	-8.90	757.52	-10.80	775.86	-11.90
794.36	-13.20	821.09	-14.40	841.33	-15.20	860.09	-15.90	880.59	-16.90
916.33	-18.20	936.07	-18.50	955.67	-19.00	990.80	-19.40	1008.80	-19.20
1026.83	-19.30	1053.52	-19.50	1072.66	-19.60	1100.24	-19.70	1132.61	-20.10
1151.66	-19.50	1177.61	-19.40	1201.33	-19.20	1221.96	-18.10	1240.00	-16.10
1258.17	-16.30	1279.80	-15.40	1302.45	-15.00	1321.37	-15.30	1341.38	-13.10
1361.63	-13.50	1379.85	-14.10	1404.05	-13.90	1422.92	-14.50	1441.43	-15.30
1460.63	-15.30	1490.63	-15.10	1511.05	-14.30	1531.85	-13.70	1555.34	-13.70
1577.89	-13.60	1601.33	-13.30	1626.32	-15.20	1644.91	-16.00	1663.73	-16.50
1682.44	-15.90	1700.72	-16.00	1722.76	-15.60	1742.55	-17.20	1760.63	-16.90
1779.56	-17.50	1801.63	-18.00	1830.62	-17.80	1859.36	-17.90	1879.64	-17.60
1904.87	-17.60	1932.46	-18.00	1963.88	-18.50	1985.21	-19.30	2011.93	-19.40

2031.08	-20.10	2049.46	-20.70	2070.17	-20.40	2088.35	-20.50	2110.97	-20.50
2137.00	-20.70	2171.09	-20.60	2197.89	-21.30	2231.79	-21.40	2254.64	-22.00
2284.01	-22.30	2304.92	-22.20	2323.47	-22.90	2347.44	-22.40	2367.56	-22.80
2399.68	-22.90	2425.77	-22.30	2454.23	-22.80	2485.71	-22.50	2505.36	-22.50
2525.37	-23.10	2551.30	-22.90	2569.62	-23.60	2588.30	-23.60	2611.03	-23.70
2641.85	-23.50	2666.59	-23.70	2689.77	-24.30	2707.87	-23.90	2727.10	-24.40
2745.26	-25.20	2768.36	-26.30	2789.55	-27.20	2811.48	-28.20	2837.15	-28.80
2868.82	-30.20	2892.77	-29.80	2911.39	-30.20	2929.54	-29.90	2948.92	-30.60
2979.18	-30.00	2997.39	-30.60	3021.19	-30.60	3040.16	-31.10	3059.34	-31.50
3083.88	-32.30	3112.38	-32.70	3135.79	-33.00	3164.97	-33.20	3192.25	-33.40
3219.70	-33.00	3242.58	-32.60	3265.10	-32.00	3283.81	-32.60	3308.74	-32.90
3332.38	-33.50	3353.32	-33.20	3373.18	-24.20	3393.37	-24.70	3412.09	-23.20
3439.66	-22.80	3459.64	-23.70	3490.26	-25.60	3508.65	-26.00	3540.30	-28.60
3563.37	-27.40	3581.71	-31.00	3601.46	-32.50	3621.67	-33.90	3649.73	-34.30
R-083.3		642524.68		949359.40		90.0	0.00		
280CT19	310CT19	163	00	47	116				

000.77	9.20	001.09	6.10	003.66	7.30	020.36	7.30	038.72	7.10
061.86	7.10	081.30	7.10	101.16	7.40	122.86	7.80	142.04	8.10
164.57	8.20	187.14	8.30	209.79	8.30	232.01	8.10	251.55	7.90
275.14	7.80	297.29	7.70	320.20	7.80	341.05	7.90	363.74	8.00
383.39	8.20	405.05	8.40	423.69	8.40	446.55	8.50	465.34	8.40
485.30	8.50	506.41	8.60	525.94	8.60	544.46	8.50	562.84	8.60
582.75	8.50	599.87	8.40	619.73	8.00	640.00	7.00	662.00	6.40
683.00	5.40	691.00	5.10	710.00	1.90	733.00	0.60	754.00	-1.10
777.00	-2.70	801.00	-4.30	825.00	-6.30	851.00	-8.20	875.00	-9.40
892.00	-10.30	910.00	-11.30	929.00	-12.20	936.27	-12.90	955.16	-13.80
973.20	-14.60	997.96	-15.60	1026.08	-16.40	1044.87	-16.90	1062.90	-17.60
1098.98	-19.00	1121.75	-19.60	1140.55	-19.50	1160.58	-19.50	1178.88	-19.90
1198.81	-19.90	1217.28	-19.70	1238.60	-19.90	1268.56	-19.80	1289.39	-19.70
1308.08	-19.30	1341.38	-19.10	1359.62	-18.30	1382.94	-17.90	1401.55	-15.80
1419.69	-15.00	1446.29	-14.50	1465.32	-15.10	1495.02	-14.80	1527.75	-13.90
1563.06	-14.10	1582.06	-15.00	1600.19	-15.60	1632.65	-15.30	1657.45	-14.30
1678.52	-14.30	1704.29	-14.30	1725.63	-13.50	1755.44	-13.60	1779.71	-14.60
1801.31	-15.40	1819.81	-15.60	1850.75	-15.60	1872.73	-15.80	1892.03	-16.20
1911.53	-16.40	1929.94	-16.60	1948.03	-16.90	1966.14	-17.30	1992.97	-17.70
2011.26	-18.00	2032.49	-17.40	2063.68	-17.60	2082.87	-17.30	2101.80	-17.20
2128.98	-17.50	2148.68	-18.70	2171.89	-19.30	2195.98	-20.30	2218.30	-20.90
2244.40	-20.80	2267.54	-20.50	2286.26	-21.00	2310.09	-20.70	2328.35	-20.20
2347.67	-21.10	2369.91	-20.80	2394.93	-21.60	2414.65	-22.40	2447.89	-22.80
2467.47	-22.50	2495.69	-22.70	2518.32	-22.90	2546.96	-23.40	2571.22	-23.80
2589.80	-24.50	2616.52	-23.90	2635.26	-23.20	2655.10	-23.00	2674.66	-23.30
2710.83	-23.60	2736.77	-23.70	2757.20	-23.00	2790.24	-23.50	2811.65	-22.90
2844.89	-22.60	2870.20	-23.10	2898.39	-23.40	2916.74	-24.00	2935.12	-24.70
2954.13	-25.10	2972.63	-25.50	2991.34	-26.70	3017.00	-26.40	3041.81	-27.20
3065.48	-27.80	3083.96	-29.00	3102.03	-30.40	3128.74	-31.70	3147.14	-33.00
3168.58	-33.10	3192.64	-33.20	3223.49	-32.20	3243.92	-31.40	3264.13	-31.40
3283.36	-31.00	3301.74	-31.50	3321.25	-32.10	3356.99	-32.80	3375.70	-33.10
3397.56	-32.50	3425.33	-32.40	3456.02	-32.30	3475.53	-32.30	3494.81	-33.00
3514.55	-30.30	3533.34	-28.50	3556.86	-28.90				
R-083.7		642231.75		949360.66		90.0	0.00		
280CT19	310CT19	165	00	49	116				

000.29	7.50	000.27	8.30	007.46	7.70	018.27	7.60	036.06	7.70
055.05	7.90	074.36	8.00	092.40	8.10	112.27	8.20	134.42	8.10
157.38	8.10	179.21	8.10	204.02	8.10	225.55	8.00	249.45	8.30
271.76	7.90	291.38	7.70	311.81	7.50	331.09	7.50	352.81	7.70
370.71	7.80	371.18	8.20	383.01	8.20	383.27	7.80	392.94	7.50
409.12	7.40	430.01	7.20	451.96	7.20	475.36	7.30	495.13	7.40
516.91	7.60	536.99	7.80	557.57	8.10	580.70	8.30	600.11	8.60
623.00	8.80	646.00	6.10	664.00	3.60	685.00	2.60	706.00	0.80
728.00	-1.50	752.00	-3.30	778.00	-4.90	804.00	-6.50	824.00	-7.90
851.00	-9.00	870.00	-9.70	891.00	-10.70	910.00	-11.60	917.94	-11.70
936.23	-12.50	955.04	-13.10	973.11	-13.70	1008.55	-14.80	1032.72	-15.50
1061.31	-16.20	1082.22	-16.90	1117.89	-17.40	1136.34	-17.90	1160.61	-18.10
1188.75	-18.10	1207.49	-18.20	1226.45	-18.20	1246.17	-17.80	1274.25	-17.90
1297.13	-17.70	1316.54	-17.40	1334.97	-17.60	1356.76	-17.30	1375.63	-16.90
1397.47	-15.60	1420.41	-15.10	1446.47	-14.20	1468.65	-13.80	1504.11	-13.90
1531.30	-14.30	1549.30	-13.40	1577.89	-13.20	1604.99	-12.90	1628.39	-12.80
1649.94	-13.00	1675.08	-13.30	1693.70	-12.40	1712.15	-12.80	1736.04	-12.40
1756.58	-9.60	1775.81	-10.40	1795.55	-12.20	1820.35	-13.70	1844.28	-13.20

1864.14	-13.60	1882.20	-12.70	1909.94	-13.80	1929.58	-13.10	1960.27	-14.00
1978.85	-14.80	2010.84	-15.00	2037.48	-15.00	2057.67	-12.90	2089.40	-13.10
2124.36	-13.90	2145.01	-13.80	2173.68	-15.10	2194.43	-16.70	2214.35	-18.20
2235.09	-19.00	2255.33	-17.70	2273.99	-15.60	2292.65	-16.40	2312.47	-16.00
2348.84	-18.00	2368.18	-19.20	2388.29	-19.60	2407.66	-20.30	2439.31	-20.70
2462.81	-21.10	2481.06	-20.80	2499.50	-21.40	2517.60	-22.10	2551.39	-18.40
2569.45	-20.10	2588.36	-20.50	2610.40	-21.00	2630.81	-21.20	2651.12	-21.50
2685.99	-21.70	2705.78	-21.90	2739.39	-22.10	2765.12	-22.40	2785.40	-22.20
2811.09	-22.40	2829.36	-22.20	2847.52	-22.60	2874.35	-23.00	2894.97	-23.20
2913.97	-22.60	2936.53	-22.90	2955.86	-23.40	2988.33	-22.70	3007.78	-23.40
3025.92	-23.70	3044.02	-22.90	3079.31	-23.90	3103.22	-23.40	3124.19	-23.70
3156.46	-23.60	3179.10	-23.50	3203.49	-22.90	3226.37	-22.40	3247.61	-21.90
3271.78	-21.60	3292.64	-21.30	3311.12	-21.70	3329.99	-21.20	3347.99	-21.60
3380.91	-21.50	3399.14	-21.80	3425.86	-22.20	3444.77	-21.60	3463.97	-22.60
3482.02	-23.10	3516.66	-23.50	3535.98	-24.20	3557.77	-24.30	3577.54	-24.90
R-084		641935.19		949602.30		90.0		7.65	
280CT19	310CT19	149	00	28	121				

106.17	9.60	110.79	8.90	115.96	7.10	126.34	6.70	145.39	6.40
162.75	6.10	181.15	6.00	196.19	5.90	213.14	5.90	233.66	6.10
250.61	6.40	269.67	6.70	287.71	7.00	304.39	7.50	325.00	7.80
343.00	7.60	365.00	5.70	390.00	3.20	417.00	0.90	442.00	-1.70
467.00	-3.90	493.00	-5.70	520.00	-7.30	536.00	-8.10	552.00	-8.80
573.00	-9.60	590.00	-10.20	606.00	-10.70	615.71	-11.40	634.17	-12.00
656.54	-11.90	675.75	-12.30	702.11	-12.00	732.15	-12.10	752.06	-11.90
770.59	-11.70	793.11	-11.40	812.04	-11.10	834.99	-10.90	855.18	-10.70
877.18	-10.50	900.36	-10.10	920.13	-9.80	940.47	-9.60	972.39	-9.90
995.99	-9.50	1019.68	-9.80	1042.55	-9.40	1061.18	-9.60	1091.42	-9.10
1109.59	-9.30	1130.04	-9.20	1149.49	-8.90	1171.29	-9.10	1194.29	-9.30
1212.33	-8.80	1233.25	-8.60	1251.46	-8.30	1274.93	-8.10	1295.76	-7.70
1319.44	-7.50	1350.02	-7.40	1368.17	-7.50	1391.76	-7.70	1413.76	-7.60
1432.53	-8.10	1454.15	-8.40	1482.36	-8.70	1502.27	-9.10	1523.91	-9.00
1552.25	-9.30	1580.60	-9.40	1613.95	-9.70	1641.42	-9.90	1673.52	-10.00
1709.51	-10.10	1740.46	-10.20	1776.03	-10.30	1804.07	-10.60	1823.48	-10.60
1856.31	-11.00	1874.68	-10.50	1900.55	-10.70	1935.68	-10.90	1967.25	-10.80
1986.22	-11.10	2020.69	-11.20	2042.41	-11.00	2063.46	-11.20	2085.65	-11.60
2121.60	-11.60	2140.02	-12.50	2169.28	-12.60	2193.16	-12.60	2228.49	-12.70
2246.71	-13.30	2268.45	-13.80	2288.15	-13.00	2307.33	-14.20	2325.66	-13.90
2344.47	-14.50	2363.80	-14.90	2384.30	-15.30	2409.84	-15.50	2436.92	-16.20
2469.19	-17.10	2489.04	-17.50	2522.48	-17.40	2545.06	-17.60	2580.81	-17.60
2616.41	-17.60	2640.66	-18.30	2659.27	-18.50	2679.96	-18.40	2700.21	-19.00
2728.30	-18.70	2758.86	-18.40	2778.05	-19.20	2806.25	-18.60	2825.61	-18.70
2850.38	-18.50	2868.72	-18.40	2902.89	-17.90	2926.21	-17.90	2950.76	-17.70
2970.97	-18.40	2990.98	-18.50	3012.43	-19.20	3037.72	-19.20	3058.10	-20.10
3083.67	-20.90	3117.00	-20.60	3147.75	-21.10	3169.98	-22.40	3205.96	-22.50
3229.58	-22.20	3247.93	-22.70	3278.19	-24.10	3308.96	-24.30	3334.50	-24.90
3352.50	-25.70	3382.27	-26.30	3401.11	-26.80	3421.47	-27.20	3455.30	-28.30
3482.47	-28.80	3500.93	-29.60	3518.96	-30.50	3553.58	-32.10.		
R-084.3		641674.13		949616.41		90.0		0.00	
280CT19	310CT19	161	00	37	124				

-007.50	7.90	000.62	7.80	015.09	7.70	030.04	7.30	045.93	6.00
062.19	4.50	080.14	3.50	097.85	3.50	118.45	3.90	137.95	4.30
157.99	4.70	178.96	5.10	198.37	5.60	218.63	6.20	240.65	6.90
259.82	7.50	279.83	7.80	298.00	7.20	318.00	5.80	338.00	3.80
361.00	2.10	385.00	-0.70	408.00	-3.00	430.00	-4.50	456.00	-6.60
480.00	-8.40	505.00	-9.40	529.00	-11.00	553.00	-12.40	573.00	-13.30
598.00	-14.40	614.00	-15.00	626.97	-15.60	654.43	-16.20	672.58	-16.70
692.55	-16.80	721.54	-16.50	740.79	-16.80	758.81	-16.30	778.82	-16.00
798.07	-16.00	823.22	-16.10	844.48	-15.80	876.88	-15.30	901.98	-15.10
923.47	-14.60	942.34	-14.10	970.87	-14.00	989.44	-13.50	1011.61	-13.10
1030.44	-13.30	1055.03	-12.90	1090.78	-12.60	1120.01	-12.70	1143.09	-12.30
1173.81	-12.20	1208.30	-11.90	1228.30	-11.70	1264.26	-11.50	1284.55	-11.40
1306.88	-11.40	1338.66	-11.40	1359.80	-11.50	1380.62	-11.50	1402.88	-11.60
1431.10	-11.60	1455.62	-11.60	1477.41	-12.30	1497.02	-13.10	1517.19	-13.60
1551.14	-13.70	1569.47	-13.10	1591.70	-12.90	1609.94	-13.90	1636.96	-14.50
1655.34	-14.10	1679.50	-14.00	1700.69	-14.90	1718.85	-14.30	1740.72	-14.60
1759.34	-15.30	1787.82	-16.00	1806.63	-15.90	1832.97	-15.40	1851.43	-16.10
1874.36	-16.30	1893.66	-13.50	1912.16	-14.70	1930.36	-15.60	1952.48	-16.20
1977.03	-15.70	1995.40	-16.40	2013.68	-17.50	2043.83	-17.80	2079.12	-18.00
2111.81	-18.30	2139.44	-17.90	2163.29	-18.10	2184.71	-17.40	2220.41	-17.20

2251.64	-17.70	2284.00	-17.70	2306.36	-18.90	2334.13	-17.80	2358.90	-19.20
2379.40	-19.60	2398.60	-20.00	2421.25	-20.20	2450.77	-20.80	2477.66	-20.40
2501.75	-20.50	2522.25	-21.20	2556.52	-21.40	2586.08	-21.40	2604.23	-21.50
2625.94	-21.80	2644.14	-22.00	2662.98	-22.10	2688.64	-22.30	2709.32	-22.20
2728.64	-22.70	2750.28	-22.50	2768.44	-22.90	2787.29	-23.10	2805.52	-23.40
2829.00	-23.60	2860.94	-23.90	2891.07	-24.00	2912.57	-24.30	2946.04	-24.50
2964.59	-24.70	2982.69	-25.10	3006.36	-25.40	3037.16	-25.50	3055.96	-25.90
3082.91	-26.00	3108.58	-26.50	3130.22	-26.40	3150.19	-26.50	3169.16	-26.90
3190.99	-27.40	3209.67	-27.70	3231.80	-27.80	3252.81	-28.60	3283.77	-28.90
3305.66	-29.20	3324.97	-29.60	3343.10	-26.40	3378.25	-26.40	3398.05	-26.10
3416.46	-27.50	3436.66	-28.80	3466.96	-29.90	3488.03	-30.30	3507.92	-29.90
3526.18	-32.40	3544.50	-32.50	3564.29	-33.60	3584.04	-34.50	3602.49	-35.60
3620.61	-35.70								

R-084.7 641320.90 949771.21 90.0 0.00
280CT19 310CT19 157 00 22 135

000.50	6.00	000.70	4.70	013.72	4.60	030.02	4.70	045.53	4.90
063.29	4.90	081.88	5.00	100.98	5.50	120.24	5.70	140.36	5.80
160.00	6.00	167.00	5.80	182.00	1.60	203.00	-0.60	224.00	-2.40
247.00	-4.00	270.00	-5.10	301.00	-6.30	324.00	-9.00	346.00	-10.20
363.00	-11.30	385.00	-12.50	414.66	-14.30	433.51	-15.30	454.47	-15.90
473.94	-16.60	509.10	-18.10	527.10	-18.70	545.28	-19.30	563.28	-19.90
583.88	-20.70	612.49	-21.00	635.76	-20.80	654.11	-20.30	683.18	-20.20
711.47	-20.00	735.65	-20.10	760.06	-20.10	778.47	-19.80	804.82	-20.00
838.96	-19.90	857.08	-19.70	880.33	-19.50	904.74	-19.40	929.78	-19.20
949.84	-19.10	974.23	-18.90	998.13	-19.00	1017.43	-19.40	1041.72	-18.90
1059.73	-19.00	1085.75	-19.40	1108.22	-19.20	1127.70	-18.10	1146.62	-15.90
1171.98	-16.90	1193.16	-16.80	1215.15	-17.30	1236.81	-17.40	1256.93	-17.80
1274.96	-18.20	1297.62	-18.30	1329.78	-18.90	1347.83	-18.30	1369.89	-18.50
1390.20	-17.80	1411.29	-18.10	1429.47	-18.70	1449.23	-19.20	1483.59	-19.40
1501.60	-19.60	1521.84	-19.80	1548.53	-20.00	1570.42	-20.10	1605.33	-20.30
1640.69	-20.40	1670.00	-20.20	1690.78	-20.20	1715.43	-20.00	1737.34	-19.60
1763.44	-20.00	1781.44	-19.90	1800.22	-20.10	1834.80	-19.90	1857.82	-19.50
1877.09	-19.70	1908.81	-19.70	1930.62	-19.20	1955.30	-19.40	1978.48	-19.60
2006.69	-19.20	2033.37	-18.60	2065.58	-18.60	2099.70	-18.50	2117.88	-18.10
2140.53	-18.10	2174.21	-18.50	2197.92	-17.40	2216.11	-17.60	2241.15	-18.40
2263.58	-17.90	2282.74	-18.60	2317.56	-19.00	2340.38	-18.70	2360.00	-18.40
2378.30	-18.80	2398.99	-19.90	2419.12	-20.40	2448.85	-20.30	2471.86	-20.50
2499.43	-20.80	2520.31	-21.70	2552.76	-21.60	2576.40	-20.90	2596.74	-20.50
2629.34	-21.30	2647.46	-20.70	2666.86	-20.90	2698.04	-21.90	2719.03	-21.90
2750.46	-23.80	2768.87	-25.10	2787.73	-25.90	2807.22	-26.70	2827.93	-27.40
2846.39	-27.10	2870.80	-28.10	2899.55	-27.10	2918.34	-28.40	2940.41	-29.40
2972.09	-30.20	3000.20	-30.20	3019.55	-28.30	3038.17	-25.20	3073.28	-27.30
3105.88	-25.80	3129.39	-25.50	3148.57	-27.10	3169.52	-28.70	3190.22	-28.70
3215.72	-28.70	3235.87	-29.10	3264.53	-30.20	3286.60	-30.10	3307.97	-28.00
3333.59	-29.80	3360.14	-31.10	3391.50	-32.20	3417.11	-32.60	3435.87	-33.70
3455.10	-33.40	3473.37	-34.10	3492.35	-34.80	3511.63	-36.00	3529.63	-37.10
3548.93	-37.60	3573.17	-37.40						

R-085 641502.82 948960.91 140.0 7.49
280CT19 310CT19 148 00 21 127

120.00	5.10	131.00	5.50	135.00	4.50	151.00	2.50	173.00	-0.90
189.00	-2.70	193.00	-3.60	212.00	-4.10	231.00	-4.50	260.00	-4.80
285.00	-5.00	309.00	-5.20	333.00	-5.30	358.00	-5.50	383.00	-5.50
408.00	-5.40	415.00	-5.40	435.00	-5.50	462.00	-5.60	487.00	-5.40
512.00	-5.10	535.82	-5.00	553.93	-5.60	572.07	-6.90	590.27	-8.40
617.18	-17.70	635.36	-23.20	653.40	-29.00	671.45	-34.80	692.30	-38.30
712.95	-41.70	731.07	-43.70	756.75	-46.80	776.23	-49.40	803.27	-46.90
821.42	-49.30	845.12	-50.60	871.36	-51.40	897.50	-50.30	926.46	-49.40
947.03	-50.60	972.98	-50.00	993.15	-51.00	1013.01	-51.30	1031.73	-52.30
1050.46	-51.80	1078.69	-50.60	1097.13	-51.40	1129.81	-51.30	1159.42	-51.90
1185.32	-51.10	1217.13	-49.70	1235.65	-48.40	1260.55	-48.00	1281.06	-47.00
1300.13	-44.70	1318.60	-40.20	1344.96	-37.90	1362.97	-34.60	1381.07	-18.90
1399.41	-17.20	1417.90	-14.90	1439.89	-14.70	1461.10	-17.60	1480.79	-18.80
1511.98	-17.90	1545.71	-17.60	1577.61	-17.50	1602.99	-17.30	1628.38	-17.60
1653.26	-17.30	1700.67	-17.70	1720.86	-17.90	1742.30	-18.00	1771.71	-18.10
1794.00	-17.80	1812.09	-18.20	1834.20	-18.40	1854.54	-18.60	1873.27	-18.30
1913.47	-18.40	1937.50	-17.60	1962.51	-17.80	1985.38	-17.90	2009.74	-17.70
2027.90	-18.00	2051.64	-17.90	2080.19	-17.80	2103.39	-17.60	2125.02	-16.90
2151.08	-15.90	2171.64	-15.50	2190.44	-15.50	2226.71	-15.80	2255.51	-15.50
2275.74	-15.70	2300.43	-16.40	2320.07	-15.90	2351.20	-15.60	2371.36	-15.10

2389.72	-15.80	2414.90	-14.90	2441.52	-15.00	2467.53	-15.20	2487.68	-14.90
2508.57	-14.80	2530.91	-13.80	2549.42	-15.10	2569.76	-14.80	2589.36	-14.60
2614.86	-13.90	2634.06	-13.90	2658.49	-13.90	2689.62	-14.00	2713.54	-13.90
2746.45	-13.60	2770.84	-13.90	2805.20	-14.60	2836.23	-14.70	2854.39	-14.00
2874.66	-14.20	2893.44	-14.80	2913.51	-15.30	2936.71	-15.60	2955.43	-16.10
2974.87	-16.80	2995.45	-17.10	3017.51	-17.40	3036.13	-18.30	3063.05	-19.00
3081.47	-18.50	3101.04	-19.40	3134.43	-19.60	3159.56	-19.90	3179.86	-20.40
3199.87	-20.70	3218.49	-19.80	3238.47	-20.70	3258.09	-21.40	3292.27	-21.60
3313.91	-21.40	3333.67	-21.80	3360.52	-21.40	3378.69	-21.80	3408.65	-22.10
3439.20	-22.00	3458.99	-21.40	3477.06	-22.40				
R-085.7		640252.80		948858.70		94.0	0.00		
04NOV19	31OCT19	161	00	20	141				
000.96	8.20	009.55	7.10	025.37	5.70	036.00	5.20	059.00	2.20
083.00	-0.20	106.00	-1.60	130.00	-1.90	156.00	-2.30	176.00	-2.20
184.00	1.40	191.00	4.40	197.00	3.60	204.00	1.60	212.00	-5.40
234.00	-6.70	253.00	-7.40	274.00	-8.10	295.00	-8.50	319.00	-8.80
351.85	-9.70	380.42	-10.10	410.80	-10.30	436.15	-10.50	454.72	-10.70
473.74	-10.90	501.26	-11.30	529.99	-11.40	548.15	-11.70	567.36	-11.90
586.29	-12.20	606.80	-12.30	628.02	-12.80	652.07	-13.10	675.08	-13.20
693.48	-13.50	711.70	-13.90	729.97	-14.10	751.76	-14.60	780.60	-14.80
800.40	-15.00	819.79	-15.20	842.24	-15.60	873.40	-16.00	891.45	-16.40
912.49	-16.70	934.14	-16.90	956.12	-17.40	978.69	-17.40	996.79	-17.20
1016.10	-16.90	1049.37	-16.60	1079.10	-17.00	1100.32	-17.20	1131.71	-17.40
1157.29	-17.90	1193.18	-17.60	1243.89	-17.90	1274.13	-18.00	1294.71	-18.50
1321.89	-18.40	1350.68	-17.20	1381.44	-17.00	1406.44	-17.90	1428.36	-17.90
1451.12	-17.90	1470.53	-18.40	1488.61	-18.70	1514.44	-18.50	1534.82	-18.70
1554.73	-18.60	1575.73	-18.10	1595.24	-17.90	1614.88	-17.60	1646.80	-16.80
1669.21	-16.50	1700.67	-16.10	1725.64	-15.00	1745.70	-14.50	1770.85	-13.70
1790.14	-14.00	1815.54	-13.70	1839.94	-13.10	1860.28	-12.70	1887.67	-12.70
1907.27	-12.40	1928.13	-12.50	1952.76	-12.90	1971.41	-13.60	1989.91	-14.60
2008.36	-14.30	2028.25	-15.60	2047.81	-14.70	2068.89	-15.20	2089.18	-16.10
2107.68	-17.10	2127.28	-18.00	2154.28	-19.10	2172.85	-20.00	2190.99	-20.70
2216.98	-20.40	2242.22	-20.70	2264.84	-21.40	2283.91	-21.00	2302.77	-21.00
2327.63	-21.40	2362.84	-21.40	2388.17	-22.20	2410.26	-22.40	2428.77	-22.60
2449.09	-22.30	2469.44	-22.60	2489.61	-22.30	2521.35	-22.90	2541.88	-22.80
2560.81	-22.20	2581.67	-21.50	2606.05	-20.50	2628.57	-21.30	2658.81	-21.10
2693.62	-21.40	2711.84	-20.70	2730.01	-20.90	2750.59	-20.20	2768.77	-19.60
2788.99	-19.10	2808.89	-18.70	2827.27	-18.80	2853.79	-18.50	2872.21	-18.40
2894.53	-18.40	2913.01	-19.30	2935.82	-18.90	2966.07	-19.50	3000.78	-19.40
3029.22	-20.10	3052.55	-20.60	3071.60	-20.90	3102.02	-21.30	3121.93	-21.90
3155.23	-21.50	3174.86	-22.30	3196.77	-21.50	3216.15	-22.30	3237.13	-23.00
3273.24	-22.30	3292.30	-22.30	3311.93	-22.80	3338.25	-23.10	3360.61	-23.60
3388.56	-23.40	3408.10	-23.40	3426.39	-24.00	3444.79	-25.40	3474.30	-26.00
3496.88	-26.90	3526.69	-26.40	3547.19	-26.60	3581.94	-27.70	3603.10	-27.10
3624.27	-26.70								
R-086		640143.73		948820.87		94.0	8.36		
04NOV19	31OCT19	156	00	11	145				
039.00	5.60	040.00	3.70	065.00	-0.30	086.00	-2.00	113.00	-2.30
137.00	-2.80	166.00	-3.70	196.00	-5.20	219.00	-6.60	242.00	-7.40
265.00	-8.30	288.41	-9.30	312.40	-9.40	334.51	-9.80	354.42	-10.20
385.42	-10.20	405.03	-10.40	427.08	-10.50	447.32	-10.60	466.13	-10.90
485.68	-10.90	504.15	-11.10	525.17	-11.50	546.50	-11.80	565.51	-12.00
584.08	-11.90	602.09	-12.40	627.89	-12.90	657.02	-13.10	685.74	-13.50
704.15	-13.70	738.64	-14.40	764.37	-14.70	784.51	-15.20	803.98	-15.40
825.44	-15.70	846.36	-16.00	864.44	-16.10	882.65	-16.60	908.71	-17.10
926.76	-17.40	944.86	-17.90	969.88	-18.40	995.63	-18.10	1013.87	-17.30
1036.01	-17.00	1056.71	-17.20	1091.07	-17.00	1109.64	-16.80	1140.04	-17.40
1158.32	-17.60	1178.87	-18.30	1198.21	-18.60	1218.40	-17.30	1238.81	-17.60
1269.82	-17.90	1298.65	-17.90	1328.27	-18.20	1346.75	-18.40	1400.49	-18.10
1423.92	-18.60	1446.81	-18.50	1472.43	-18.20	1492.32	-18.00	1525.32	-18.00
1555.31	-16.80	1583.65	-17.20	1602.14	-16.90	1636.47	-16.70	1654.66	-16.50
1676.72	-15.90	1703.43	-15.40	1722.19	-14.70	1740.59	-14.00	1760.02	-13.10
1780.42	-12.70	1809.51	-12.20	1844.19	-12.00	1863.92	-12.40	1883.18	-13.00
1901.34	-13.30	1921.01	-13.40	1956.70	-13.60	1985.30	-13.70	2003.37	-14.40
2022.74	-14.90	2040.85	-15.90	2059.28	-17.00	2081.19	-17.40	2108.50	-17.20
2130.95	-17.30	2164.45	-17.90	2182.69	-17.80	2201.45	-17.50	2221.81	-17.70
2252.66	-19.20	2275.19	-19.20	2298.89	-18.70	2324.34	-19.30	2358.55	-20.40
2377.82	-20.00	2397.27	-19.60	2425.82	-20.20	2446.07	-20.50	2472.93	-19.60
2492.78	-20.10	2523.93	-20.00	2555.89	-19.80	2584.74	-20.40	2615.00	-20.90

2634.41	-20.80	2658.26	-20.50	2677.29	-21.20	2703.09	-20.30	2730.82	-20.50
2761.29	-21.40	2781.45	-21.70	2799.93	-22.10	2821.93	-22.40	2849.01	-22.80
2884.16	-22.80	2910.88	-22.80	2941.25	-23.20	2959.96	-24.10	2979.50	-24.30
2998.40	-24.80	3028.64	-25.10	3046.92	-21.30	3080.56	-22.10	3098.66	-23.70
3116.73	-24.40	3137.42	-25.20	3156.36	-25.60	3174.39	-26.40	3192.80	-26.50
3211.29	-27.20	3229.41	-27.60	3253.29	-28.20	3275.84	-28.30	3294.27	-29.70
3326.91	-29.10	3346.43	-29.50	3368.21	-29.30	3390.53	-28.10	3409.58	-27.50
3427.72	-26.90	3451.71	-26.80	3469.75	-25.50	3492.94	-24.70	3513.03	-24.90
3535.07	-26.10	3554.90	-27.10	3575.59	-28.40	3597.77	-28.80	3616.33	-28.70
3637.60	-29.00								
R-086.3		639870.89		948625.87		94.0		0.00	
	04NOV19	31OCT19	18 00	18 000					
044.58	8.50	058.28	8.60	071.81	10.30	076.96	9.70	086.65	10.00
094.95	8.00	105.10	7.30	119.00	6.40	140.00	2.60	160.00	0.00
173.00	-1.70	196.00	-2.40	217.00	-2.70	243.00	-3.50	274.00	-4.50
297.00	-5.90	320.00	-6.90	340.00	-7.70				
R-086.5		639702.37		948505.43		94.0		0.00	
	04NOV19	31OCT19	15 00	15 000					
094.34	11.40	098.40	11.20	101.28	4.00	106.00	3.50	122.00	2.20
142.00	0.10	159.00	-1.90	179.00	-2.50	202.00	-3.00	224.00	-3.00
245.00	-2.90	270.00	-3.10	292.00	-3.90	314.00	-4.30	318.00	-2.40
R-086.7		639464.73		948472.87		94.0		0.00	
	04NOV19	31OCT19	20 00	20 000					
017.09	11.40	022.15	11.40	034.60	11.40	049.68	12.00	051.10	9.40
054.46	8.10	057.79	4.40	063.00	3.60	082.00	1.70	102.00	-0.50
125.00	-1.70	150.00	-3.10	180.00	-2.80	205.00	-3.60	230.00	-4.50
250.00	-5.20	275.00	-6.10	297.00	-7.10	320.00	-7.60	340.00	-8.40
R-087		639264.76		948244.55		94.0		10.21	
	04NOV19	31OCT19	150 00	14 136					
210.21	6.90	219.10	6.90	231.57	7.40	236.23	7.50	237.09	3.80
242.86	3.30	262.00	1.20	280.00	-1.00	307.00	-2.50	330.00	-3.50
357.00	-3.80	379.00	-4.70	399.00	-5.20	417.00	-6.20	427.05	-6.40
446.80	-7.00	470.31	-7.70	498.88	-8.40	517.14	-9.30	536.81	-10.10
561.38	-11.00	591.47	-11.60	609.89	-12.20	629.69	-12.70	650.97	-13.00
668.97	-12.70	688.00	-13.30	713.78	-13.40	744.87	-13.40	773.71	-11.90
795.51	-11.90	813.63	-12.00	835.70	-10.70	854.00	-11.30	876.80	-11.00
895.18	-11.40	915.25	-11.10	934.18	-11.90	968.25	-11.70	990.23	-11.50
1010.76	-11.00	1029.99	-11.80	1052.56	-11.50	1079.85	-12.00	1102.85	-12.20
1124.52	-12.50	1145.51	-12.70	1163.78	-13.20	1182.81	-13.80	1202.38	-14.70
1230.82	-15.50	1248.89	-16.10	1269.28	-16.60	1292.34	-16.60	1311.26	-16.70
1334.02	-16.90	1360.49	-17.20	1383.75	-17.30	1404.20	-17.70	1422.60	-17.30
1441.27	-17.80	1460.80	-17.80	1478.92	-17.90	1512.66	-18.10	1543.16	-18.40
1569.77	-18.20	1605.15	-18.00	1638.22	-18.10	1673.72	-18.20	1692.19	-18.80
1712.00	-18.90	1731.59	-19.10	1757.40	-19.40	1779.57	-19.80	1800.60	-20.30
1820.80	-20.30	1854.36	-21.10	1872.79	-19.70	1894.99	-18.90	1924.17	-19.60
1950.50	-19.60	1969.99	-19.10	2003.20	-19.20	2021.49	-19.50	2053.30	-19.60
2076.78	-19.10	2095.12	-18.20	2115.53	-17.50	2137.64	-17.20	2155.82	-16.80
2182.42	-17.30	2204.79	-17.90	2223.91	-16.70	2245.73	-16.80	2268.40	-17.20
2288.08	-16.70	2306.26	-15.60	2324.87	-16.40	2343.66	-16.20	2361.71	-15.30
2379.74	-14.50	2398.96	-14.40	2423.57	-14.40	2443.36	-14.20	2471.40	-14.10
2492.39	-13.10	2510.63	-13.70	2532.97	-14.30	2555.93	-13.30	2574.19	-14.00
2594.48	-16.10	2612.62	-16.50	2632.44	-17.10	2650.62	-17.40	2671.73	-18.80
2690.45	-18.50	2711.58	-19.10	2731.30	-19.90	2786.06	-20.20	2806.41	-20.90
2842.52	-21.80	2874.06	-21.80	2898.57	-21.50	2929.89	-22.10	2954.74	-22.50
2974.89	-22.70	2998.14	-22.10	3016.37	-22.70	3051.04	-22.10	3083.95	-21.90
3105.86	-22.30	3134.44	-22.10	3156.95	-22.50	3175.49	-21.60	3210.66	-22.10
3243.93	-21.40	3263.17	-21.80	3285.69	-22.30	3311.44	-22.60	3345.71	-22.60
3365.73	-23.50	3392.84	-24.10	3411.03	-24.20	3434.00	-24.60	3453.26	-24.80
3473.07	-24.70	3491.46	-24.10	3509.69	-23.50	3531.72	-23.10	3553.94	-23.00
R-087.2		638971.87		948422.71		94.0		0.00	
	04NOV19	31OCT19	15 00	15 000					
-028.05	7.50	-010.82	7.20	004.73	7.40	006.12	4.70	013.00	3.30
033.00	0.80	054.00	-0.20	074.00	-1.70	096.00	-3.00	117.00	-4.10
137.00	-5.20	155.00	-5.90	174.00	-6.80	197.00	-7.80	215.00	-8.30
R-087.5		638754.17		948408.58		94.0		0.00	
	04NOV19	31OCT19	15 00	15 000					

-012.20	6.80	001.02	6.90	006.90	2.80	009.23	2.40	028.00	1.00
051.00	-0.50	076.00	-2.20	100.00	-3.20	126.00	-4.90	143.00	-5.70
162.00	-6.60	179.00	-7.20	199.00	-7.80	218.00	-8.10	239.00	-8.50
R-087.7		638512.54		948277.93		94.0	0.00		
	04NOV19	31OCT19	16 00	16 000					
112.00	6.50	125.00	7.10	127.00	4.50	131.00	3.70	135.00	2.90
153.00	1.20	173.00	0.50	196.00	-1.40	223.00	-3.00	249.00	-4.10
270.00	-5.40	291.00	-6.00	306.00	-6.70	328.00	-7.60	348.00	-7.90
367.00	-8.10								
T-088		638270.61		948146.63		94.0	5.59		
	31NOV19	31OCT19	155 00	18 137					
203.07	5.30	215.45	5.60	233.20	7.30	235.24	5.20	239.90	4.10
257.00	1.50	276.00	0.10	298.00	-0.50	324.00	-1.70	343.00	-3.00
364.00	-4.20	387.00	-5.90	416.00	-6.70	432.00	-7.10	460.00	-7.90
492.00	-8.00	530.00	-8.10	550.00	-8.90	580.49	-9.00	604.59	-8.50
626.18	-8.70	647.03	-8.90	665.87	-9.30	684.27	-8.20	702.89	-9.20
721.19	-8.00	748.36	-9.50	766.59	-7.90	787.01	-8.20	808.62	-9.40
840.56	-10.60	858.92	-11.80	876.97	-12.00	896.49	-12.00	926.49	-12.40
944.67	-13.00	974.02	-13.10	996.14	-13.50	1028.85	-13.40	1054.96	-13.70
1076.47	-13.50	1111.93	-14.50	1141.94	-14.40	1164.46	-15.20	1182.90	-16.30
1200.93	-17.20	1220.42	-17.50	1238.50	-17.80	1257.31	-18.10	1290.86	-18.40
1312.90	-18.30	1333.96	-18.50	1357.18	-18.70	1389.64	-18.80	1411.48	-18.10
1429.49	-17.30	1448.60	-17.60	1472.97	-17.30	1493.36	-17.60	1524.84	-17.90
1551.30	-18.50	1585.54	-18.30	1603.68	-18.10	1622.02	-18.50	1641.25	-18.80
1667.07	-18.60	1685.69	-18.30	1715.85	-18.40	1739.84	-18.70	1758.65	-18.80
1785.77	-18.80	1813.95	-19.10	1832.82	-19.50	1851.93	-20.10	1877.38	-19.40
1899.37	-19.60	1918.98	-19.60	1937.89	-19.70	1956.37	-18.70	1979.30	-18.20
2003.52	-18.80	2027.54	-19.50	2049.69	-19.50	2067.87	-18.80	2087.14	-17.30
2105.84	-16.80	2136.71	-16.40	2154.79	-16.70	2187.74	-16.30	2212.64	-16.10
2246.69	-15.70	2264.94	-15.40	2299.43	-14.70	2322.17	-14.30	2350.92	-13.90
2374.63	-13.70	2405.83	-14.00	2436.05	-14.50	2465.47	-15.60	2484.94	-16.50
2508.48	-15.80	2528.99	-15.40	2555.45	-16.60	2578.52	-15.90	2610.84	-16.60
2631.55	-15.90	2650.07	-15.50	2669.00	-16.00	2688.24	-16.90	2709.00	-18.00
2738.87	-18.50	2756.93	-17.40	2775.81	-18.30	2793.90	-18.30	2823.67	-18.60
2850.66	-19.90	2876.47	-21.00	2894.79	-20.40	2915.76	-21.10	2946.95	-21.80
2965.89	-21.40	2997.94	-21.80	3022.38	-21.10	3045.56	-20.80	3064.94	-20.90
3083.25	-20.30	3104.43	-20.80	3127.52	-20.50	3160.64	-20.40	3178.76	-19.90
3205.11	-19.60	3225.69	-19.10	3257.88	-19.40	3278.94	-19.40	3305.89	-19.90
3332.25	-20.30	3353.92	-20.10	3375.96	-20.30	3407.48	-20.20	3426.01	-20.40
3445.97	-20.70	3473.09	-21.00	3491.91	-21.20	3510.78	-21.50	3530.43	-22.00
3558.28	-21.00	3576.62	-23.30	3604.88	-23.60	3628.93	-24.10	3659.99	-23.90
3681.74	-23.50	3701.09	-23.20	3727.64	-23.10	3746.21	-22.80	3780.52	-22.90
R-088.2		637998.43		948240.06		94.0	0.00		
	31NOV19	31OCT19	20 00	20 000					
129.00	7.10	134.00	7.60	139.00	3.70	144.00	2.70	161.00	0.60
181.00	-0.40	207.00	-1.00	223.00	-2.30	255.00	-3.40	275.00	-5.20
292.00	-6.20	307.00	-6.80	322.00	-7.30	341.00	-7.40	358.00	-7.50
376.00	-8.10	397.00	-8.10	415.00	-7.80	430.00	-8.50	450.00	-8.50
R-088.5		637725.16		948333.86		94.0	0.00		
	31OCT19	31OCT19	19 00	19 000					
023.32	7.00	029.66	7.30	032.76	3.80	034.87	3.00	040.00	2.80
060.00	0.80	078.00	0.00	100.00	-0.70	123.00	-2.40	148.00	-3.90
163.00	-4.70	189.00	-5.60	212.00	-6.30	236.00	-7.70	259.00	-7.70
285.00	-9.60	304.00	-10.50	323.00	-10.90	342.00	-10.70		
T-089		637228.18		948179.65		94.0	3.66		
	31OCT19	31OCT19	158 00	20 138					
150.33	5.20	170.29	6.10	178.35	5.70	189.51	6.60	193.03	5.60
199.93	4.60	218.00	2.20	236.00	0.90	260.00	0.00	286.00	-1.60
313.00	-3.50	334.00	-5.10	357.00	-7.20	378.00	-8.20	399.00	-7.60
420.00	-8.70	440.00	-9.00	463.00	-9.10	480.00	-8.90	505.00	-8.40
528.11	-8.40	546.22	-8.30	568.12	-8.30	586.58	-8.50	612.66	-8.80
641.69	-8.90	660.32	-7.60	681.69	-7.80	702.27	-8.10	726.40	-8.20
746.09	-8.50	764.33	-9.00	783.95	-9.40	802.26	-9.30	822.02	-9.20
842.36	-9.30	872.33	-9.60	899.13	-9.50	920.56	-9.90	939.05	-11.00
959.65	-11.20	983.54	-11.50	1001.62	-12.20	1025.58	-12.90	1043.72	-13.50

1066.31	-14.10	1084.93	-14.30	1104.51	-14.40	1123.78	-15.10	1142.22	-15.40
1176.57	-15.90	1202.76	-15.70	1220.84	-16.10	1245.45	-16.00	1266.74	-16.40
1290.46	-15.40	1321.33	-15.10	1340.09	-15.40	1371.13	-15.50	1395.63	-16.30
1419.28	-17.00	1437.74	-17.60	1470.39	-17.60	1495.56	-18.00	1521.51	-18.10
1556.40	-17.50	1575.90	-17.70	1596.80	-18.40	1626.61	-18.90	1647.23	-18.60
1667.58	-18.10	1697.30	-18.10	1717.81	-18.10	1736.57	-18.60	1755.21	-18.70
1773.98	-19.50	1796.41	-19.70	1823.71	-19.90	1844.88	-19.80	1868.71	-20.00
1889.29	-19.90	1915.00	-20.10	1934.44	-20.30	1955.70	-20.10	1976.48	-19.20
1996.64	-17.50	2014.99	-16.90	2033.19	-16.10	2059.87	-16.80	2087.66	-17.10
2108.46	-16.50	2132.95	-14.80	2160.31	-14.40	2179.87	-13.50	2202.55	-13.60
2232.81	-13.00	2255.46	-12.30	2273.92	-13.20	2308.46	-13.40	2326.49	-14.70
2344.77	-13.40	2363.24	-14.60	2381.95	-14.90	2401.02	-15.40	2419.64	-15.80
2438.39	-16.50	2462.20	-16.40	2481.06	-16.70	2503.41	-16.80	2521.47	-17.80
2552.23	-18.90	2575.59	-19.70	2598.56	-20.00	2617.14	-20.60	2636.13	-20.90
2661.13	-21.40	2689.01	-21.70	2716.02	-21.10	2735.02	-20.60	2753.31	-19.90
2782.44	-20.30	2804.36	-20.70	2822.50	-21.60	2840.73	-22.60	2859.63	-23.20
2882.75	-22.90	2918.62	-22.10	2937.63	-21.60	2968.91	-22.00	2990.70	-21.90
3016.16	-22.00	3042.91	-22.20	3062.06	-21.90	3087.73	-22.20	3111.34	-21.70
3130.45	-21.80	3157.88	-22.10	3180.57	-22.30	3198.83	-22.70	3218.48	-23.10
3237.81	-23.20	3255.97	-23.30	3280.03	-23.60	3304.90	-24.10	3331.61	-24.30
3349.78	-25.20	3368.33	-25.60	3386.75	-26.20	3404.75	-26.00	3424.59	-25.20
3442.91	-24.70	3463.46	-24.10	3483.38	-23.60	3501.99	-23.30	3524.03	-23.10
3547.48	-23.20	3568.61	-23.00	3588.10	-23.10				
R-089.5		636703.79		948201.91		94.0		0.00	
310CT19	310CT19	21 00	21 000						
149.07	8.30	155.78	8.50	167.42	9.00	184.05	10.20	186.02	6.60
190.91	5.70	196.00	5.50	202.00	3.20	222.00	1.00	242.00	-0.20
266.00	-1.60	294.00	-3.30	316.00	-5.00	344.00	-7.30	369.00	-8.70
391.00	-9.00	416.00	-9.00	441.00	-9.10	467.00	-8.80	491.00	-9.30
509.00	-9.40								
T-090		636251.49		948150.43		94.0		4.34	
310CT19	310CT19	156 00	25 131						
159.73	6.40	175.76	7.10	195.23	8.10	202.58	8.80	212.29	9.20
219.88	7.30	230.14	6.50	243.00	5.30	251.00	3.00	271.00	0.60
291.00	-0.30	312.00	-1.30	335.00	-2.80	357.00	-4.00	382.00	-6.00
400.00	-7.50	411.00	-8.30	430.00	-8.80	442.00	-9.10	461.00	-9.10
476.00	-10.20	499.00	-10.10	520.00	-10.30	540.00	-10.10	556.00	-9.30
584.59	-9.60	603.05	-10.20	634.54	-10.50	653.19	-9.60	673.58	-9.60
707.85	-10.40	726.92	-9.10	745.94	-8.70	764.52	-8.40	782.73	-8.60
816.67	-9.10	843.00	-9.20	873.02	-11.90	891.18	-13.10	917.19	-13.50
935.36	-13.30	956.63	-13.50	974.73	-13.30	994.08	-12.50	1012.25	-13.80
1030.50	-14.60	1055.87	-15.40	1084.45	-15.70	1106.16	-16.30	1124.61	-15.80
1155.03	-16.10	1176.36	-16.10	1196.30	-16.50	1230.98	-16.80	1251.58	-17.10
1279.20	-17.20	1303.31	-17.30	1328.60	-17.50	1349.44	-17.90	1368.19	-18.40
1392.20	-18.80	1411.58	-18.80	1430.47	-19.00	1460.32	-19.30	1479.20	-19.40
1498.38	-18.90	1518.53	-18.10	1543.88	-17.60	1570.87	-17.50	1595.50	-17.30
1625.05	-17.20	1643.97	-17.50	1663.15	-17.60	1685.20	-17.60	1707.27	-17.90
1731.66	-17.70	1754.94	-17.90	1777.29	-18.40	1804.16	-18.70	1824.80	-18.70
1843.48	-19.10	1862.87	-17.90	1880.96	-16.80	1906.18	-15.50	1930.04	-14.60
1948.55	-14.40	1970.23	-15.00	2004.01	-14.40	2039.17	-14.80	2057.89	-13.70
2076.09	-13.50	2110.31	-13.20	2128.99	-12.80	2159.56	-12.40	2179.79	-12.70
2204.66	-13.20	2225.20	-13.40	2254.23	-13.80	2278.83	-14.40	2298.47	-15.00
2320.58	-14.20	2351.24	-13.80	2370.59	-13.90	2394.65	-15.20	2420.82	-14.30
2445.59	-15.80	2467.28	-16.20	2487.34	-17.50	2507.41	-17.20	2526.11	-17.70
2545.22	-18.30	2563.25	-18.90	2583.89	-18.60	2606.75	-19.50	2629.97	-20.40
2662.62	-20.10	2687.28	-20.80	2722.85	-21.40	2743.60	-21.30	2763.17	-21.40
2781.41	-20.30	2799.58	-20.90	2820.59	-21.60	2846.60	-22.50	2864.95	-22.60
2898.27	-23.10	2924.27	-21.90	2942.91	-22.40	2965.43	-21.60	2991.42	-21.80
3027.27	-22.80	3045.80	-23.60	3078.94	-23.70	3097.62	-23.60	3115.99	-24.10
3136.02	-24.30	3171.55	-24.00	3190.79	-24.20	3209.21	-24.80	3230.18	-24.60
3254.66	-24.80	3273.94	-25.70	3308.76	-25.90	3328.06	-26.60	3353.09	-27.00
3376.95	-27.00	3403.17	-27.30	3421.27	-26.30	3439.81	-26.50	3459.44	-26.00
3479.60	-25.90	3499.20	-25.10	3527.50	-25.10	3561.19	-25.30	3579.78	-25.30
3602.09	-25.60								
R-090.5		635732.59		948245.34		94.0		0.00	
310CT19	310CT19	23 00	23 000						
039.97	7.90	050.52	8.50	063.33	9.60	073.14	9.90	082.82	10.20
093.50	11.30	100.14	8.20	109.98	7.20	127.00	5.00	136.00	3.00

157.00	0.40	181.00	-0.50	202.00	-1.80	226.00	-3.30	251.00	-5.10
271.00	-6.60	291.00	-7.20	311.00	-9.00	333.00	-10.10	361.00	-9.80
382.00	-10.40	405.00	-11.10	428.00	-11.40				
T-091		635229.24	948176.27	94.0	6.98				
310CT19	310CT19	161 00	20 141						
093.65	7.80	102.33	8.50	114.67	9.10	132.02	10.50	140.02	9.00
146.24	7.40	149.67	7.00	159.89	6.80	166.00	6.50	169.00	5.70
185.00	4.30	189.00	2.90	210.00	0.00	231.00	-0.80	252.00	-1.70
277.00	-2.90	298.00	-4.10	318.00	-5.60	338.00	-7.10	358.00	-8.20
373.85	-8.50	392.02	-9.10	417.83	-9.60	447.43	-9.00	468.26	-10.80
486.33	-10.60	509.95	-10.10	528.85	-10.20	547.03	-9.70	567.55	-9.70
594.27	-9.90	620.53	-9.70	651.77	-11.00	670.21	-9.90	700.44	-10.80
718.72	-9.90	740.18	-11.30	758.74	-11.90	777.58	-12.60	800.80	-12.90
821.57	-13.40	839.75	-13.80	862.81	-14.70	890.14	-15.20	908.73	-15.40
929.37	-14.70	964.05	-14.00	983.86	-14.10	1014.48	-14.40	1035.25	-16.20
1053.49	-16.90	1076.02	-17.50	1094.07	-18.10	1112.08	-18.50	1130.89	-18.80
1150.04	-19.30	1169.43	-18.90	1187.44	-19.20	1205.63	-19.80	1226.19	-20.50
1249.56	-20.50	1267.71	-20.10	1295.21	-20.30	1313.58	-20.80	1332.01	-20.30
1353.66	-18.60	1379.20	-18.80	1399.82	-17.80	1434.32	-17.90	1460.86	-18.40
1488.99	-18.90	1510.58	-18.40	1530.80	-18.50	1551.75	-18.50	1579.62	-18.30
1599.19	-18.40	1619.15	-18.70	1651.11	-19.60	1669.22	-20.40	1691.43	-20.50
1710.07	-20.70	1738.33	-20.30	1767.83	-19.80	1786.16	-18.90	1807.02	-17.40
1825.10	-17.70	1846.14	-17.00	1864.59	-14.70	1886.18	-14.30	1910.27	-14.60
1929.68	-14.90	1957.94	-14.70	1981.86	-15.10	2001.79	-14.90	2023.09	-14.70
2043.54	-14.80	2065.47	-14.70	2098.00	-15.20	2117.54	-14.60	2150.03	-14.20
2169.99	-14.30	2206.23	-14.30	2226.74	-13.90	2252.05	-14.50	2270.34	-15.30
2289.71	-15.80	2311.04	-17.10	2329.34	-17.80	2364.96	-18.10	2396.48	-18.80
2418.30	-19.00	2436.58	-19.30	2454.87	-18.40	2474.43	-18.90	2494.58	-19.30
2517.64	-19.50	2546.24	-20.40	2568.00	-21.30	2588.68	-20.40	2607.66	-19.50
2627.60	-20.00	2650.03	-20.60	2671.36	-21.00	2702.78	-21.80	2734.29	-22.60
2759.98	-23.30	2779.91	-24.10	2802.53	-24.50	2821.69	-24.60	2843.93	-24.70
2867.49	-23.90	2889.06	-23.80	2908.35	-24.10	2931.25	-23.00	2951.12	-24.00
2969.63	-24.60	2987.92	-25.10	3022.07	-25.30	3040.09	-26.20	3073.09	-26.00
3094.21	-25.40	3126.00	-24.80	3147.57	-24.90	3180.60	-24.30	3198.73	-24.70
3227.59	-24.10	3245.66	-24.40	3271.76	-24.10	3305.90	-24.00	3324.44	-24.30
3343.19	-24.30	3361.33	-25.50	3380.18	-26.00	3399.14	-27.30	3417.30	-28.10
3435.81	-28.90	3453.97	-29.20	3485.84	-29.00	3511.58	-28.80	3533.26	-28.40
3567.83	-28.00								
R-091.5		634704.55	948270.84	94.0	0.00				
300CT19	310CT19	23 00	23 000						
-015.08	8.80	-009.95	8.70	-000.42	8.60	007.41	8.90	018.28	8.40
024.91	7.10	034.76	7.10	043.00	6.90	044.00	5.80	064.00	4.00
079.00	1.60	100.00	-0.20	127.00	-1.40	160.00	-2.80	188.00	-3.80
205.00	-4.90	221.00	-6.50	241.00	-7.80	262.00	-8.40	279.00	-8.80
298.00	-9.10	311.00	-9.70	325.00	-10.20				
R-092		634194.55	948139.82	94.0	6.65				
300CT19	310CT19	163 00	22 141						
115.69	8.90	120.02	8.80	121.64	7.30	124.94	7.00	134.96	7.10
137.00	6.90	140.00	5.50	157.00	4.00	177.00	1.20	197.00	-0.10
218.00	-0.80	239.00	-2.10	262.00	-3.30	282.00	-4.00	302.00	-4.20
317.00	-4.80	320.00	-5.10	337.00	-5.50	345.00	-6.90	362.00	-8.10
376.00	-9.30	392.00	-10.30	398.30	-10.50	417.29	-10.50	436.07	-10.50
459.94	-10.60	491.76	-10.10	519.03	-9.60	539.18	-9.90	560.50	-9.50
590.29	-10.50	611.31	-9.50	629.94	-10.20	649.10	-9.90	669.67	-10.90
702.59	-12.90	734.48	-13.50	757.55	-13.60	778.45	-13.90	797.49	-14.80
815.89	-14.70	842.14	-15.40	866.72	-15.90	886.48	-16.10	909.02	-16.50
928.44	-15.50	948.69	-15.10	966.83	-15.50	988.48	-14.70	1006.78	-15.00
1024.89	-16.20	1059.46	-15.80	1079.88	-17.10	1112.01	-16.90	1140.51	-18.40
1169.55	-18.70	1188.24	-18.10	1206.27	-18.80	1241.89	-19.80	1261.44	-20.30
1279.75	-20.00	1297.77	-20.60	1320.11	-21.20	1338.67	-20.90	1361.57	-21.20
1382.32	-20.80	1400.78	-21.20	1422.52	-21.00	1442.73	-20.10	1461.10	-19.30
1488.96	-19.10	1509.14	-19.10	1534.07	-19.40	1552.15	-19.90	1572.49	-20.20
1596.19	-20.40	1620.19	-20.00	1648.47	-20.00	1670.13	-19.80	1691.49	-19.30
1722.97	-18.10	1746.82	-18.60	1768.22	-18.50	1787.31	-17.80	1807.98	-14.80
1828.90	-15.30	1849.54	-16.20	1875.86	-16.30	1903.20	-16.40	1931.51	-16.40
1950.97	-15.80	1969.09	-15.20	1989.56	-15.60	2019.88	-15.00	2040.75	-14.80
2068.53	-14.90	2088.47	-14.20	2123.86	-14.60	2142.88	-14.40	2162.97	-14.90
2195.19	-15.20	2214.52	-15.80	2241.13	-16.30	2266.65	-17.10	2285.45	-18.20

2314.93	-19.20	2333.51	-19.90	2351.64	-19.10	2370.44	-20.00	2398.23	-20.10
2417.76	-20.60	2444.61	-21.10	2465.56	-21.40	2495.80	-22.90	2517.71	-23.90
2535.81	-24.50	2562.59	-24.70	2581.48	-23.70	2599.89	-23.80	2618.15	-23.10
2636.74	-22.10	2662.40	-22.20	2680.81	-22.60	2699.44	-22.40	2719.43	-22.90
2738.01	-23.70	2758.72	-24.80	2790.43	-24.90	2816.41	-24.10	2834.63	-25.20
2858.06	-25.10	2876.08	-24.60	2907.87	-23.90	2934.16	-24.80	2961.32	-25.10
2983.08	-25.60	3001.49	-26.20	3019.56	-26.20	3042.89	-26.00	3075.95	-25.90
3098.21	-25.70	3119.28	-25.30	3139.86	-24.70	3170.10	-25.10	3189.92	-24.10
3208.83	-24.20	3228.23	-24.20	3257.60	-24.30	3280.48	-24.80	3308.36	-25.50
3332.74	-26.00	3351.06	-25.50	3371.69	-25.60	3392.36	-26.20	3411.21	-27.00
3437.22	-27.70	3456.69	-29.20	3482.55	-29.70	3501.63	-29.30	3521.45	-28.40
3552.38	-29.10	3572.46	-30.20	3593.63	-31.10				
R-092.5		633673.54	948200.18	94.0	0.00				
300CT19	310CT19	26 00	26 000						
-041.23	7.80	-035.97	8.20	-024.25	9.00	-012.21	7.80	-000.57	8.30
014.38	8.40	016.57	7.40	024.94	7.00	030.00	6.90	032.00	5.20
052.00	3.30	073.00	1.80	095.00	0.70	119.00	-1.40	130.00	-2.30
154.00	-3.40	173.00	-3.40	192.00	-3.50	218.00	-4.50	248.00	-5.90
267.00	-7.50	281.00	-8.50	300.00	-9.10	319.00	-9.40	338.00	-9.90
351.00	-10.70								
R-093		633158.94	948026.91	94.0	6.06				
300CT19	310CT19	155 00	22 133						
105.47	8.10	118.01	8.50	122.04	7.30	124.92	7.30	134.94	6.80
143.00	6.50	145.00	5.30	160.00	4.00	180.00	1.60	199.00	0.10
218.00	-1.20	240.00	-2.40	258.00	-3.30	289.00	-3.90	311.00	-3.60
332.00	-3.80	357.00	-4.80	370.00	-5.70	384.00	-7.00	406.00	-8.30
422.00	-9.00	439.00	-9.70	453.98	-10.40	472.70	-10.50	491.37	-10.80
509.57	-10.40	527.69	-11.30	552.50	-9.80	572.88	-10.40	592.28	-11.20
627.98	-11.50	654.92	-12.20	681.18	-11.90	705.91	-12.10	725.81	-12.70
752.61	-13.90	772.46	-14.10	800.05	-14.40	820.59	-15.80	844.35	-16.00
865.55	-16.40	888.52	-16.60	907.00	-16.70	927.67	-16.40	946.46	-17.20
968.31	-17.50	991.68	-17.10	1020.57	-17.50	1042.61	-18.40	1077.93	-18.50
1097.35	-19.20	1115.45	-19.40	1134.30	-19.40	1156.79	-19.80	1175.09	-20.30
1193.28	-20.70	1214.36	-21.00	1232.37	-20.30	1253.54	-20.50	1271.70	-19.70
1292.04	-19.60	1313.09	-19.70	1344.87	-19.90	1363.48	-20.50	1397.51	-20.10
1416.90	-19.70	1435.16	-20.50	1462.82	-20.30	1494.53	-20.60	1512.63	-21.10
1530.79	-20.80	1552.01	-21.10	1584.91	-21.10	1606.85	-20.80	1628.30	-21.30
1661.52	-21.30	1679.99	-21.40	1713.63	-21.20	1739.17	-21.40	1761.48	-21.30
1783.53	-20.90	1816.74	-20.60	1835.66	-18.30	1856.90	-16.10	1876.57	-15.50
1894.95	-16.20	1924.64	-16.20	1945.18	-16.80	1966.97	-16.40	1985.66	-16.30
2020.21	-16.00	2043.40	-15.60	2064.02	-15.30	2084.66	-14.90	2103.97	-15.80
2125.73	-14.90	2144.80	-15.60	2167.16	-16.40	2185.97	-17.70	2221.81	-18.50
2240.18	-18.70	2260.33	-19.00	2292.07	-19.90	2323.45	-20.80	2352.30	-21.20
2373.79	-20.90	2401.29	-21.40	2437.49	-21.70	2456.00	-21.80	2474.14	-22.50
2492.33	-22.90	2528.53	-23.70	2552.27	-24.30	2577.34	-25.10	2611.16	-26.90
2634.15	-26.80	2665.18	-26.80	2695.92	-26.90	2717.28	-26.20	2741.76	-26.30
2770.86	-25.20	2794.71	-24.90	2814.51	-25.00	2832.65	-26.30	2854.90	-26.80
2875.20	-26.80	2902.30	-26.40	2921.35	-27.70	2940.66	-27.90	2961.17	-27.70
2989.90	-27.70	3009.27	-27.60	3030.78	-27.50	3058.87	-26.90	3077.19	-26.70
3112.33	-27.20	3145.85	-26.40	3166.40	-25.50	3193.44	-25.30	3213.12	-25.80
3235.93	-26.40	3259.32	-26.80	3283.49	-27.40	3307.32	-27.40	3325.83	-27.10
3344.01	-27.70	3371.94	-28.50	3390.00	-28.20	3412.60	-28.40	3433.82	-28.60
3459.60	-29.10	3484.28	-30.40	3508.83	-32.40	3529.27	-33.10	3556.51	-33.10
R-094		632194.92	947945.80	94.0	8.02				
04NOV19	310CT19	157 00	23 134						
000.00	7.30	014.00	6.30	028.00	6.20	059.00	8.00	065.00	7.80
082.00	6.30	090.00	6.00	100.00	5.50	122.00	3.70	139.00	1.70
161.00	-1.00	183.00	-1.60	205.00	-1.80	225.00	-2.00	245.00	-2.40
268.00	-2.50	291.00	-3.00	315.00	-3.70	338.00	-4.50	355.00	-5.00
375.00	-5.80	393.00	-6.70	415.00	-7.40	443.85	-9.60	462.09	-10.50
480.12	-11.20	500.39	-12.00	531.82	-13.20	552.30	-13.90	570.97	-14.80
590.31	-15.30	608.70	-15.10	627.03	-15.50	646.77	-15.30	679.99	-15.40
704.59	-16.10	725.90	-16.20	744.37	-17.20	764.28	-18.30	797.01	-18.30
815.31	-18.00	834.01	-18.40	857.27	-18.80	877.27	-19.00	907.67	-18.40
925.78	-18.80	949.70	-18.60	974.57	-18.40	993.37	-19.00	1015.43	-19.40
1033.80	-19.90	1066.11	-21.30	1087.56	-21.10	1110.89	-21.50	1130.98	-22.60
1155.86	-22.70	1183.24	-22.50	1216.91	-23.00	1235.94	-23.00	1254.74	-23.20
1273.56	-24.10	1292.32	-24.40	1318.66	-24.00	1340.35	-23.00	1358.72	-22.50

1377.24	-21.90	1396.05	-21.20	1415.02	-20.60	1441.41	-20.80	1467.02	-20.40
1494.25	-21.20	1515.28	-21.10	1535.65	-21.40	1553.96	-21.60	1579.69	-21.00
1599.94	-20.80	1624.13	-20.60	1650.94	-20.80	1670.87	-21.30	1696.97	-22.00
1715.84	-22.20	1735.33	-22.60	1754.60	-22.80	1773.73	-22.10	1792.25	-19.90
1812.29	-17.00	1838.57	-17.50	1866.41	-18.40	1885.54	-17.70	1906.04	-17.60
1924.69	-16.90	1954.81	-16.90	1975.51	-16.90	1993.96	-16.10	2016.05	-15.40
2034.07	-14.90	2060.47	-15.10	2088.40	-16.00	2106.40	-16.70	2127.78	-16.70
2146.44	-17.30	2179.58	-16.90	2200.65	-17.70	2236.42	-19.00	2257.28	-19.90
2276.38	-20.80	2295.11	-21.00	2326.65	-21.40	2361.12	-21.10	2379.80	-21.30
2411.27	-21.00	2440.30	-22.50	2475.42	-23.50	2509.17	-24.70	2530.86	-25.70
2564.10	-27.00	2586.76	-27.50	2620.55	-27.50	2644.76	-27.80	2668.06	-28.30
2690.64	-27.80	2709.15	-27.70	2729.21	-27.00	2749.27	-27.70	2769.50	-27.20
2804.44	-27.20	2823.15	-27.00	2857.64	-26.60	2876.93	-26.50	2895.00	-27.40
2926.97	-27.60	2951.22	-27.30	2974.48	-27.00	3008.84	-26.60	3037.77	-26.60
3058.06	-26.40	3083.54	-26.80	3107.17	-27.00	3128.40	-27.40	3149.72	-27.60
3181.54	-27.40	3201.49	-27.00	3223.92	-27.20	3243.85	-26.90	3277.46	-26.80
3298.60	-27.00	3321.70	-27.20	3352.44	-27.30	3370.74	-26.70	3399.39	-26.40
3429.01	-26.70	3450.55	-27.50	3472.25	-28.50	3492.77	-29.90	3511.24	-31.20
3530.16	-32.20	3548.70	-33.10						
R-095		631243.86		947858.61		92.0		7.90	
05NOV19	31OCT19	152	00	23	129				

076.00	7.00	085.00	7.50	095.00	8.10	106.00	8.70	114.00	6.90
117.00	6.60	125.00	5.80	135.00	4.80	152.00	3.70	172.00	0.60
194.00	-1.50	203.00	-3.00	223.00	-3.60	248.00	-4.20	272.00	-3.90
291.00	-2.90	311.00	-2.60	333.00	-2.90	355.00	-2.90	375.00	-3.30
399.00	-3.90	418.00	-4.60	441.00	-5.40	458.02	-6.00	476.88	-6.90
495.15	-7.70	514.53	-8.80	535.58	-9.70	555.45	-10.60	573.45	-11.70
599.91	-11.90	621.47	-12.20	642.42	-13.20	661.21	-14.00	679.80	-14.80
710.12	-15.30	729.39	-15.50	748.80	-15.80	777.36	-16.20	802.46	-16.60
830.65	-17.10	861.21	-17.00	891.19	-17.10	911.90	-17.70	942.32	-18.10
963.47	-18.20	988.58	-18.40	1007.70	-18.70	1028.88	-18.80	1056.04	-19.60
1075.83	-19.80	1098.45	-19.90	1125.30	-20.40	1159.14	-20.80	1188.12	-21.10
1207.22	-21.70	1233.95	-21.90	1257.37	-21.90	1275.93	-21.70	1295.58	-21.80
1314.43	-21.50	1333.68	-21.80	1352.09	-21.10	1377.63	-20.40	1397.99	-19.60
1416.12	-20.00	1436.70	-20.10	1455.73	-20.40	1475.63	-20.10	1510.53	-21.30
1530.71	-20.90	1548.80	-20.00	1577.91	-20.10	1609.27	-20.60	1630.30	-20.90
1649.03	-21.80	1667.47	-22.60	1691.16	-23.30	1724.49	-23.40	1744.82	-23.50
1772.57	-23.40	1807.28	-23.10	1826.27	-20.90	1850.20	-20.00	1869.14	-16.90
1887.57	-15.80	1906.62	-17.00	1937.73	-16.80	1962.62	-16.80	1993.05	-15.70
2028.79	-15.50	2058.25	-16.00	2082.84	-15.60	2113.47	-15.90	2144.74	-17.10
2162.79	-18.50	2196.93	-18.50	2219.34	-18.90	2252.57	-19.10	2272.29	-19.10
2305.52	-20.00	2332.81	-20.50	2351.96	-20.10	2372.18	-21.00	2408.17	-21.80
2434.13	-21.50	2459.90	-22.40	2489.54	-22.60	2512.38	-23.10	2538.68	-23.40
2562.19	-23.70	2596.92	-24.60	2630.84	-25.40	2650.20	-25.40	2678.74	-25.40
2703.36	-24.90	2726.97	-25.70	2748.35	-26.10	2779.78	-26.30	2798.54	-26.60
2824.04	-26.20	2849.21	-25.90	2880.88	-25.80	2899.20	-25.90	2920.63	-26.40
2944.00	-26.00	2967.66	-26.40	2993.33	-26.80	3025.85	-26.60	3045.85	-26.60
3067.63	-26.40	3093.00	-26.30	3112.47	-26.10	3137.93	-25.60	3159.19	-25.50
3177.49	-26.10	3202.19	-26.10	3235.30	-26.20	3255.85	-26.30	3282.93	-26.40
3317.82	-27.10	3338.31	-27.50	3360.40	-27.40	3394.79	-26.00	3417.11	-25.50
3443.14	-25.80	3468.11	-26.30	3486.16	-27.30	3506.88	-28.50	3527.86	-29.40
3546.06	-30.20	3577.75	-29.70						
R-096		630255.39		947832.78		92.0		7.62	
05NOV19	31OCT19	159	00	18	141				

068.00	8.20	074.00	8.60	087.00	8.40	103.00	7.30	104.00	6.50
110.00	5.80	120.00	5.10	140.00	4.20	155.00	2.10	178.00	-0.40
192.00	-2.80	205.00	-3.90	233.00	-2.60	257.00	-2.40	279.00	-2.70
303.00	-2.90	325.00	-3.10	348.00	-3.30	368.47	-4.10	389.49	-4.40
410.97	-4.90	432.79	-5.00	461.30	-6.20	483.10	-7.60	503.58	-8.20
522.47	-9.30	553.57	-11.00	576.79	-10.00	606.71	-10.90	633.22	-9.70
661.67	-10.30	693.31	-10.50	711.55	-13.20	741.11	-13.70	762.21	-13.40
783.58	-14.30	807.42	-13.90	825.93	-14.80	846.04	-15.60	873.12	-16.10
894.56	-16.20	921.01	-16.50	942.94	-17.10	971.71	-17.40	997.58	-17.70
1016.89	-17.90	1035.51	-18.20	1055.20	-18.40	1077.25	-18.50	1106.91	-18.60
1134.79	-18.60	1153.82	-18.40	1172.11	-18.70	1201.81	-19.30	1221.48	-19.20
1242.03	-19.40	1260.98	-19.90	1279.78	-20.40	1312.72	-20.40	1336.02	-20.40
1357.01	-20.40	1384.92	-20.50	1414.35	-20.40	1436.07	-20.40	1459.92	-19.80
1480.33	-19.60	1498.49	-19.20	1518.13	-18.70	1537.37	-19.30	1560.41	-20.10
1595.08	-20.50	1615.21	-20.90	1633.91	-21.20	1653.02	-21.50	1674.18	-21.70

1693.56	-22.20	1719.90	-22.60	1744.48	-22.80	1769.03	-22.60	1789.00	-22.70
1807.37	-22.00	1825.41	-22.20	1849.83	-21.60	1871.03	-21.10	1890.97	-16.40
1924.69	-16.00	1951.39	-16.50	1983.70	-15.40	2004.80	-16.10	2040.19	-17.30
2071.39	-17.90	2095.06	-18.90	2113.52	-18.90	2132.75	-18.60	2153.73	-18.70
2175.65	-19.10	2204.44	-19.10	2224.81	-19.50	2243.09	-19.60	2261.51	-20.00
2285.39	-20.00	2304.32	-20.30	2325.15	-20.40	2358.37	-20.70	2386.24	-20.90
2409.54	-20.90	2433.08	-21.60	2455.53	-21.40	2474.77	-22.00	2498.78	-21.50
2531.41	-23.20	2551.35	-24.10	2570.95	-24.40	2589.34	-24.80	2607.75	-25.40
2628.85	-25.70	2646.90	-26.80	2673.25	-26.80	2695.81	-26.90	2717.84	-26.90
2738.08	-26.60	2756.94	-25.50	2777.70	-25.70	2803.28	-26.00	2821.88	-25.60
2843.28	-26.70	2862.02	-26.00	2881.14	-25.90	2900.23	-25.70	2923.20	-26.70
2950.39	-26.90	2975.59	-26.20	2993.83	-26.40	3024.52	-26.20	3046.59	-26.10
3065.31	-26.20	3085.30	-26.60	3107.22	-26.50	3125.57	-26.60	3145.86	-27.10
3166.70	-26.60	3196.15	-26.50	3217.01	-26.70	3245.70	-27.10	3266.50	-27.50
3284.86	-27.70	3312.81	-27.40	3336.42	-27.10	3354.51	-27.30	3380.12	-26.40
3401.65	-26.30	3419.70	-25.40	3440.41	-25.70	3463.48	-24.60	3491.89	-24.40
3515.78	-25.20	3535.34	-25.90	3555.67	-27.40	3578.77	-28.00		

T-097 629304.02 947681.19 92.0 6.63

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086.00	4.40	091.00	4.60	106.00	4.90	124.00	5.40	138.00	5.80
158.00	6.70	176.00	7.90	187.00	9.20	190.00	8.40	194.00	7.70
200.00	7.40	204.00	7.00	222.00	4.00	244.00	2.00	267.00	-0.80
282.00	-3.10	308.00	-4.00	332.00	-4.20	357.00	-4.20	380.00	-4.20
405.00	-4.60	429.00	-5.00	455.00	-5.70	475.41	-5.80	495.19	-5.40
520.21	-4.70	547.40	-5.00	566.32	-6.10	584.39	-7.10	617.17	-8.90
637.50	-9.70	656.84	-10.60	674.94	-11.50	697.30	-12.70	719.01	-13.40
738.96	-15.00	771.97	-15.20	790.09	-14.90	813.17	-15.30	839.78	-15.40
860.09	-15.30	884.72	-15.60	917.74	-15.60	937.47	-15.40	966.93	-15.60
985.76	-16.10	1015.17	-15.80	1033.30	-16.10	1053.23	-16.30	1072.72	-16.10
1093.61	-15.90	1114.21	-15.70	1139.66	-15.40	1157.67	-15.20	1175.86	-15.50
1202.51	-15.70	1226.77	-16.10	1258.51	-16.40	1277.09	-16.60	1295.57	-17.30
1321.39	-17.20	1342.84	-17.70	1361.11	-18.30	1380.04	-18.90	1404.07	-20.20
1425.55	-19.40	1444.99	-20.00	1465.78	-19.90	1501.20	-20.10	1521.01	-20.40
1544.84	-19.90	1580.46	-19.90	1608.73	-20.00	1635.42	-20.30	1661.68	-20.00
1687.37	-20.60	1707.76	-20.90	1733.10	-21.70	1751.93	-21.80	1777.77	-22.00
1801.07	-22.30	1819.18	-22.60	1837.51	-22.50	1857.06	-22.90	1877.68	-23.40
1902.33	-23.50	1933.30	-23.50	1959.36	-23.20	1983.00	-22.90	2003.36	-22.70
2025.60	-22.50	2055.40	-22.20	2075.29	-21.20	2094.55	-20.80	2113.09	-18.30
2146.68	-15.80	2178.17	-15.40	2212.81	-16.00	2239.62	-18.10	2272.62	-18.00
2295.39	-17.90	2314.05	-18.00	2337.75	-18.50	2356.45	-18.90	2378.93	-18.40
2408.84	-19.60	2426.90	-20.00	2455.32	-20.20	2485.78	-20.20	2510.64	-20.20
2530.46	-20.70	2560.27	-21.60	2579.01	-22.00	2597.66	-21.40	2616.22	-21.80
2635.07	-22.00	2656.10	-22.40	2691.70	-24.00	2710.98	-24.40	2736.71	-24.80
2762.10	-24.90	2783.45	-24.70	2801.71	-24.40	2823.96	-23.50	2846.29	-23.80
2881.00	-24.60	2899.02	-24.60	2921.61	-24.20	2956.03	-25.00	2991.32	-25.00
3013.17	-25.20	3037.37	-25.10	3056.12	-25.80	3075.06	-26.30	3102.84	-26.30
3126.97	-26.30	3145.13	-25.80	3163.15	-26.30	3182.10	-25.70	3200.27	-25.90
3222.28	-25.80	3240.44	-25.10	3258.61	-25.50	3279.60	-25.30	3313.59	-25.80
3344.70	-26.00	3363.45	-26.40	3382.07	-26.70	3400.52	-26.30	3420.05	-26.80
3438.15	-26.40	3456.64	-26.70	3475.63	-26.70	3506.28	-26.10	3527.04	-25.90
3558.52	-25.30	3577.80	-24.50	3596.00	-24.60	3618.74	-24.00	3643.36	-24.40
3662.94	-24.90	3695.92	-25.40	3721.30	-25.70				

R-098 628227.34 947706.96 100.0 8.21

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003.00	8.80	008.00	7.00	015.00	7.00	035.00	6.50	066.00	6.20
079.00	6.00	102.00	6.20	123.00	6.60	145.00	7.00	150.00	6.70
160.00	5.70	176.00	3.60	186.00	2.90	208.00	1.00	230.00	-1.70
245.00	-3.60	268.00	-4.60	294.00	-5.00	318.00	-3.00	341.00	-2.90
364.00	-3.40	389.00	-4.00	412.00	-4.60	436.00	-4.50	455.00	-6.00
474.00	-6.60	490.00	-7.10	509.00	-7.50	530.00	-8.00	564.00	-8.90
585.00	-8.90	603.44	-9.20	621.93	-10.70	643.70	-11.40	663.33	-11.00
681.56	-11.90	713.97	-12.10	732.11	-13.60	750.56	-11.90	769.22	-11.50
791.94	-12.40	811.38	-12.80	845.88	-14.00	880.21	-14.60	912.58	-14.40
930.73	-15.10	948.75	-15.80	978.76	-16.80	997.30	-17.90	1022.17	-18.60
1057.04	-19.60	1075.35	-19.70	1093.95	-19.60	1112.03	-20.20	1141.16	-20.80
1170.57	-20.00	1199.69	-22.10	1220.29	-22.10	1241.04	-22.20	1260.28	-22.30
1291.77	-22.20	1318.49	-22.10	1337.43	-21.70	1364.11	-20.20	1383.16	-19.80
1401.88	-20.10	1421.13	-20.80	1440.11	-21.10	1458.14	-20.20	1478.74	-19.60
1514.11	-19.00	1535.51	-18.80	1553.53	-19.80	1573.97	-20.10	1606.22	-20.60

1630.39	-18.90	1649.31	-20.40	1669.35	-21.30	1694.72	-20.90	1713.08	-21.60
1731.39	-23.20	1750.16	-24.10	1778.76	-24.10	1806.92	-24.30	1828.50	-24.40
1851.70	-25.00	1882.87	-24.90	1917.09	-25.00	1935.86	-25.10	1954.81	-25.10
1973.34	-24.70	1991.35	-24.20	2009.59	-23.60	2028.12	-22.70	2050.47	-20.80
2070.99	-15.80	2093.57	-15.70	2118.70	-15.20	2150.48	-15.70	2168.77	-16.30
2191.35	-17.40	2211.16	-17.20	2234.12	-19.40	2253.18	-19.60	2286.37	-19.70
2304.70	-20.30	2338.12	-20.40	2361.10	-20.80	2381.02	-20.40	2410.53	-21.00
2430.11	-21.50	2452.45	-22.00	2473.54	-22.70	2491.70	-23.00	2518.00	-23.10
2536.25	-23.40	2554.72	-23.80	2575.53	-24.40	2599.11	-24.40	2618.12	-24.60
2646.43	-24.60	2667.89	-23.80	2688.74	-22.80	2711.10	-22.40	2733.62	-22.60
2754.98	-21.90	2779.52	-22.20	2798.88	-22.40	2828.72	-22.70	2848.60	-22.90
2867.72	-22.40	2889.39	-21.70	2909.59	-21.80	2939.59	-21.90	2959.74	-22.30
2979.58	-23.10	2997.89	-23.70	3022.48	-24.60	3042.34	-24.90	3063.41	-25.00
3082.11	-24.60	3104.88	-24.60	3123.84	-25.40	3144.06	-24.90	3163.47	-25.30
3181.69	-25.00	3210.86	-25.30	3230.92	-25.10	3251.34	-24.50	3269.78	-24.30
3289.26	-24.10	3313.09	-23.60	3332.17	-23.20	3352.75	-23.30	3375.19	-23.40
3396.90	-23.20	3415.61	-23.40	3438.21	-23.70	3459.10	-23.80	3479.71	-23.50
3512.85	-23.90	3540.44	-24.20	3572.88	-24.70				

R-099 627278.34 947751.54 100.0 5.22
 05NOV19 31OCT19 161 00 24 137

-009.00	3.30	-008.00	4.30	-007.00	4.30	-006.00	5.50	000.00	8.00
005.00	6.60	010.00	6.50	020.00	6.20	040.00	6.50	061.00	4.00
078.00	3.10	100.00	0.60	121.00	-2.10	150.00	-3.90	173.00	-4.60
194.00	-5.20	220.00	-5.70	241.00	-6.00	262.00	-4.20	283.00	-3.90
307.00	-4.50	333.00	-5.20	354.00	-5.80	375.00	-6.40	384.25	-7.00
405.28	-7.80	424.13	-8.30	442.23	-9.10	460.85	-9.60	480.18	-9.90
500.71	-10.50	519.07	-11.00	548.46	-11.70	570.11	-12.40	597.29	-13.10
615.57	-13.20	633.65	-13.40	660.80	-13.70	681.82	-13.50	704.41	-13.90
725.45	-13.50	745.95	-14.20	768.69	-14.40	792.95	-14.70	814.89	-14.70
838.38	-15.40	863.71	-15.80	887.94	-16.00	922.25	-16.20	943.33	-16.40
971.55	-17.40	991.07	-18.00	1009.33	-18.70	1027.45	-18.30	1053.33	-18.00
1072.06	-17.70	1090.10	-17.90	1115.43	-18.40	1147.07	-18.50	1172.67	-19.10
1192.17	-19.10	1211.08	-19.40	1229.79	-20.10	1250.31	-20.50	1270.94	-20.30
1289.11	-20.50	1324.22	-20.60	1349.51	-20.50	1369.48	-20.90	1387.95	-20.50
1409.27	-20.30	1427.54	-20.60	1450.15	-20.20	1471.42	-20.30	1489.65	-20.00
1508.63	-19.70	1527.51	-19.40	1562.01	-19.80	1589.87	-20.40	1614.40	-19.40
1632.71	-20.40	1663.93	-19.90	1683.58	-21.00	1705.06	-21.50	1726.10	-21.80
1746.27	-22.80	1764.54	-23.20	1784.52	-23.30	1818.40	-23.60	1838.10	-23.60
1856.57	-23.60	1877.81	-23.90	1901.28	-23.80	1924.00	-23.90	1942.98	-22.80
1964.92	-21.90	1993.69	-17.80	2017.23	-17.10	2036.66	-16.90	2054.75	-16.50
2074.65	-16.50	2108.82	-17.00	2133.25	-17.90	2153.45	-19.10	2172.49	-19.60
2204.80	-19.60	2223.57	-21.10	2252.84	-21.70	2277.94	-21.50	2313.90	-21.40
2332.02	-21.30	2353.18	-21.70	2376.52	-22.70	2401.21	-21.90	2423.61	-23.60
2441.93	-23.90	2469.22	-23.70	2490.16	-24.30	2523.03	-24.60	2558.46	-25.60
2584.93	-25.90	2607.75	-26.30	2631.15	-26.30	2651.99	-26.00	2671.82	-25.80
2697.60	-25.50	2728.06	-25.20	2760.86	-25.40	2781.15	-25.90	2808.44	-25.40
2835.46	-24.70	2864.06	-23.90	2889.03	-23.70	2908.18	-23.90	2928.11	-24.10
2953.16	-24.40	2972.17	-24.90	2990.58	-25.40	3016.83	-25.60	3035.18	-25.40
3054.67	-25.60	3074.22	-25.30	3094.82	-25.20	3119.50	-25.30	3139.43	-25.90
3159.84	-25.50	3180.21	-24.80	3203.28	-24.60	3224.07	-24.50	3245.56	-24.20
3263.65	-23.90	3298.91	-24.30	3331.79	-24.20	3352.69	-24.40	3373.23	-24.60
3394.24	-25.20	3413.91	-25.00	3445.88	-24.80	3465.91	-24.60	3484.61	-24.20
3504.95	-24.30								

R-100 626288.05 947679.08 100.0 6.08
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-009.00	4.70	-008.00	5.20	-005.00	5.40	000.00	7.60	009.00	7.50
017.00	8.40	020.00	7.40	024.00	7.30	030.00	6.70	040.00	5.70
063.00	3.60	082.00	1.50	103.00	-0.90	119.00	-2.90	142.00	-3.50
169.00	-3.50	194.00	-3.60	215.00	-3.70	239.00	-3.90	263.00	-4.10
285.00	-4.10	308.00	-4.30	331.00	-5.00	352.78	-5.90	371.17	-6.60
389.82	-7.10	407.99	-7.60	443.46	-8.40	462.14	-9.00	480.85	-9.50
499.77	-10.20	529.90	-11.20	549.60	-11.50	568.50	-12.10	588.16	-12.80
622.25	-13.80	646.29	-14.30	664.75	-15.20	683.08	-16.40	710.32	-16.50
741.28	-16.60	762.76	-17.20	798.97	-17.60	817.91	-18.20	843.14	-18.60
862.17	-18.60	882.58	-18.10	900.88	-18.60	919.56	-18.50	938.07	-18.90
959.34	-18.30	995.65	-17.90	1013.78	-18.10	1033.53	-18.70	1051.87	-20.10
1074.46	-21.60	1093.65	-22.30	1112.71	-22.00	1135.64	-21.50	1162.55	-21.80
1197.86	-21.50	1221.80	-21.00	1244.97	-20.70	1269.52	-20.80	1287.90	-21.00
1315.60	-21.10	1334.56	-21.40	1354.71	-21.70	1377.21	-21.70	1406.57	-22.00

1428.39	-21.90	1447.82	-21.60	1468.56	-21.60	1491.48	-21.90	1515.70	-22.10
1536.19	-22.30	1556.46	-22.50	1580.53	-22.60	1604.26	-22.40	1639.62	-22.70
1672.79	-23.30	1695.44	-21.40	1728.23	-21.90	1760.58	-22.90	1780.45	-22.70
1799.43	-23.10	1817.81	-23.90	1846.35	-23.70	1869.26	-23.80	1888.84	-23.80
1912.49	-23.90	1944.31	-23.90	1973.37	-23.90	1996.54	-23.80	2015.70	-23.30
2039.81	-22.00	2058.73	-18.10	2077.79	-17.40	2099.57	-17.30	2118.49	-16.70
2141.44	-17.30	2160.61	-16.80	2184.69	-17.40	2202.71	-16.90	2232.14	-17.60
2251.39	-18.50	2274.56	-18.90	2293.28	-18.40	2313.63	-18.50	2342.01	-18.80
2360.43	-19.70	2379.82	-20.40	2409.78	-20.50	2433.42	-20.30	2456.93	-20.60
2475.44	-20.80	2498.16	-20.50	2522.76	-21.00	2543.48	-21.70	2562.45	-23.00
2583.26	-23.10	2603.02	-23.20	2626.08	-24.40	2658.04	-24.60	2689.94	-24.50
2710.82	-23.70	2735.02	-23.30	2767.17	-23.00	2789.82	-22.70	2821.71	-23.10
2840.02	-23.30	2860.67	-23.80	2879.20	-24.00	2914.69	-23.90	2934.46	-23.50
2959.45	-23.60	2987.56	-24.30	3008.91	-25.20	3037.66	-25.70	3055.90	-26.20
3074.65	-26.40	3098.77	-26.20	3124.09	-26.60	3144.16	-26.90	3167.98	-26.20
3186.71	-25.60	3204.84	-24.90	3238.25	-24.50	3256.98	-24.10	3277.99	-24.10
3301.47	-23.90	3320.58	-24.10	3339.55	-23.90	3361.45	-23.80	3386.49	-23.70
3413.64	-24.00	3442.57	-24.20	3466.84	-23.70	3485.20	-23.40	3503.62	-23.90
3522.18	-23.90	3545.82	-24.40	3569.49	-24.90				
R-101		625146.19		947568.10		95.0	8.35		
	05NOV19	31OCT19	160	00	16	144			

-006.00	6.30	005.00	8.00	011.00	7.80	015.00	6.60	020.00	6.20
035.00	3.90	056.00	2.80	078.00	0.70	097.00	-2.00	120.00	-3.70
144.00	-4.40	166.00	-4.80	186.00	-5.40	205.00	-5.90	227.00	-6.10
251.00	-6.40	270.49	-6.80	288.69	-6.20	308.37	-5.30	329.12	-4.80
361.78	-4.90	388.85	-5.50	409.53	-6.30	428.81	-7.60	446.96	-8.10
465.11	-9.00	483.25	-9.90	501.34	-10.60	519.90	-11.30	543.96	-12.20
565.24	-13.00	585.02	-14.10	607.26	-15.10	643.16	-16.30	661.66	-16.80
679.77	-17.50	699.45	-17.70	734.00	-18.80	753.74	-20.00	772.19	-20.50
792.67	-20.10	810.68	-20.50	829.72	-20.40	852.79	-20.40	870.96	-19.10
891.32	-18.40	924.63	-17.70	948.85	-17.90	981.91	-18.10	1011.31	-18.50
1036.57	-18.60	1056.89	-18.80	1085.75	-18.50	1114.40	-18.30	1132.76	-18.50
1153.16	-18.60	1173.15	-18.90	1195.85	-19.10	1215.71	-19.30	1235.49	-19.60
1263.39	-19.90	1284.54	-20.10	1310.85	-20.50	1342.12	-21.20	1360.54	-21.10
1378.72	-20.40	1406.16	-21.00	1428.83	-20.90	1448.24	-20.70	1471.50	-22.10
1497.58	-21.10	1517.17	-21.80	1537.22	-22.20	1559.70	-22.40	1583.39	-23.10
1602.77	-24.30	1627.85	-24.70	1646.08	-24.90	1664.85	-25.60	1687.12	-25.80
1705.44	-26.50	1723.79	-26.30	1745.33	-26.20	1771.32	-26.00	1789.59	-25.40
1807.99	-25.40	1828.64	-25.50	1850.27	-25.30	1883.78	-25.20	1904.26	-25.40
1931.80	-25.20	1954.78	-25.20	1979.55	-25.30	2000.02	-25.40	2019.43	-25.30
2046.17	-25.60	2065.68	-25.40	2085.72	-24.10	2105.70	-19.70	2124.38	-18.00
2142.78	-19.10	2171.36	-18.40	2205.37	-18.50	2228.21	-18.30	2253.67	-19.10
2276.38	-19.60	2295.71	-20.20	2323.21	-20.90	2344.77	-20.90	2368.10	-21.50
2389.60	-21.80	2412.09	-22.00	2441.20	-22.80	2469.26	-23.10	2505.02	-23.30
2530.46	-23.90	2549.99	-25.00	2569.19	-26.00	2587.96	-27.70	2609.17	-28.20
2627.47	-28.80	2645.76	-29.40	2675.83	-29.60	2710.84	-29.90	2731.94	-29.10
2750.96	-28.50	2769.05	-28.20	2788.88	-27.70	2823.24	-27.50	2855.34	-27.90
2878.04	-28.20	2896.56	-28.60	2915.56	-28.20	2933.59	-27.80	2961.71	-27.90
2994.72	-28.00	3016.21	-28.30	3045.60	-29.10	3070.48	-29.50	3100.79	-29.30
3118.89	-28.60	3138.92	-28.50	3161.55	-28.30	3185.26	-28.00	3203.41	-27.30
3230.89	-27.40	3253.00	-27.10	3276.81	-26.40	3296.38	-26.10	3328.26	-26.10
3349.08	-26.30	3368.32	-26.50	3388.31	-26.80	3408.82	-26.40	3439.69	-26.70
3461.12	-26.30	3495.49	-26.40	3518.52	-26.10	3539.71	-26.20	3558.08	-25.60
T-102		624152.00		947410.23		95.0	8.35		
	05NOV19	31OCT19	160	00	16	144			

041.00	10.60	051.00	10.10	059.00	11.80	069.00	10.40	078.00	8.00
100.00	6.70	120.00	5.70	139.00	4.70	162.00	2.10	185.00	-1.00
208.00	-3.50	234.00	-4.80	256.00	-5.50	276.00	-5.60	296.00	-5.00
318.00	-4.00	340.44	-3.90	370.32	-4.20	401.23	-4.20	435.80	-4.70
454.02	-5.20	474.52	-5.60	492.60	-6.40	526.67	-7.50	545.84	-8.20
567.28	-8.90	586.81	-9.60	621.76	-10.70	640.01	-11.40	658.27	-12.30
676.89	-12.90	709.46	-13.70	727.89	-14.20	748.85	-14.70	768.61	-15.00
792.73	-15.70	813.49	-16.50	832.42	-17.00	851.58	-17.30	872.28	-17.20
894.31	-17.20	915.83	-18.00	948.64	-19.00	971.59	-19.30	992.32	-19.20
1015.01	-19.90	1034.16	-19.70	1052.89	-19.20	1080.53	-18.90	1110.41	-19.20
1134.80	-18.90	1154.20	-19.10	1172.77	-19.40	1200.76	-19.70	1221.86	-20.00
1251.30	-20.00	1276.85	-20.50	1295.36	-21.10	1330.52	-22.10	1357.61	-22.40
1376.30	-22.80	1395.68	-23.10	1413.72	-23.40	1434.74	-23.70	1452.87	-24.30
1486.88	-23.90	1523.02	-24.40	1556.82	-24.80	1592.75	-25.70	1624.57	-26.50

1646.32	-26.70	1674.69	-26.40	1693.27	-26.80	1716.14	-26.70	1737.14	-26.60
1755.17	-26.50	1774.20	-26.70	1799.35	-26.60	1830.45	-26.80	1849.12	-27.10
1882.92	-27.10	1902.36	-26.90	1923.81	-26.50	1951.30	-25.30	1971.24	-25.60
1993.50	-25.90	2012.03	-26.40	2046.20	-26.50	2064.59	-26.60	2086.49	-26.70
2113.09	-27.00	2137.97	-26.80	2157.25	-26.40	2175.82	-26.00	2194.60	-24.50
2213.22	-24.00	2231.23	-22.30	2250.94	-19.50	2270.15	-19.20	2298.71	-19.10
2332.68	-18.00	2351.02	-18.80	2371.64	-19.10	2402.41	-18.20	2426.22	-18.50
2446.33	-19.10	2464.41	-20.80	2482.84	-21.90	2501.18	-21.80	2519.32	-23.00
2550.24	-23.30	2568.90	-23.40	2599.51	-24.10	2628.89	-24.20	2655.32	-24.50
2686.69	-25.10	2711.06	-25.20	2735.27	-25.30	2756.59	-25.40	2774.64	-25.00
2804.70	-25.40	2825.13	-25.90	2848.03	-26.00	2866.32	-26.50	2892.55	-26.80
2912.37	-27.10	2931.71	-27.70	2960.16	-28.10	2981.42	-28.00	3001.46	-27.90
3021.57	-27.40	3040.05	-26.90	3059.16	-26.60	3081.75	-27.00	3116.41	-26.50
3136.51	-27.10	3155.00	-27.50	3174.88	-27.70	3193.16	-28.00	3214.68	-27.90
3250.62	-27.60	3273.36	-27.10	3291.96	-26.80	3324.68	-26.70	3355.42	-26.80
3374.85	-27.00	3406.51	-27.10	3427.61	-27.40	3448.54	-27.50	3467.88	-27.70
3496.58	-27.90	3523.13	-27.60	3556.47	-27.70	3585.90	-27.80	3611.46	-27.90
3637.18	-27.80	3663.39	-27.90	3681.55	-27.30	3710.97	-26.90	3729.12	-26.30

R-103 623137.76 947279.73 95.0 8.67
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045.00	9.00	053.00	12.20	070.00	11.70	083.00	9.80	098.00	7.30
120.00	6.90	140.00	6.60	160.00	5.60	178.00	3.20	193.00	2.50
216.00	-0.10	233.00	-2.80	261.00	-3.50	285.00	-4.50	303.00	-5.00
322.00	-5.40	343.00	-5.70	366.00	-6.00	397.14	-6.50	415.54	-5.70
446.74	-4.50	477.78	-4.80	496.53	-5.40	517.68	-6.10	537.34	-6.80
566.94	-8.00	585.45	-9.00	604.25	-9.80	628.37	-9.90	658.89	-10.90
677.82	-11.70	696.30	-12.50	715.02	-13.30	750.26	-14.30	771.29	-14.80
789.65	-15.40	807.83	-15.90	830.25	-16.80	849.96	-17.40	870.24	-18.00
889.29	-18.40	924.11	-19.40	944.82	-19.90	974.71	-20.10	995.04	-19.90
1030.27	-19.80	1056.22	-20.40	1078.97	-20.40	1100.30	-20.50	1119.22	-21.00
1139.12	-20.90	1174.60	-21.00	1197.81	-21.00	1231.55	-20.90	1250.67	-21.10
1273.31	-20.70	1291.76	-21.30	1311.08	-21.70	1332.93	-21.60	1353.06	-22.10
1373.26	-21.90	1393.35	-22.30	1415.89	-22.60	1445.86	-23.00	1475.23	-22.80
1495.13	-23.10	1513.28	-23.60	1531.30	-23.90	1563.97	-24.90	1583.93	-25.10
1612.32	-25.60	1642.88	-26.10	1663.05	-26.50	1682.14	-26.60	1701.06	-26.50
1719.08	-26.60	1737.32	-26.20	1756.11	-26.50	1785.40	-26.30	1811.58	-26.50
1846.91	-26.40	1878.69	-26.70	1897.11	-26.40	1915.82	-26.40	1934.72	-26.00
1953.07	-25.40	1975.05	-25.90	1997.41	-26.20	2022.51	-26.40	2054.61	-26.60
2073.34	-26.40	2091.53	-26.60	2111.98	-26.90	2134.59	-27.10	2163.97	-27.30
2195.72	-27.20	2216.07	-27.40	2242.72	-26.90	2277.65	-27.30	2302.36	-27.50
2329.76	-27.00	2349.19	-24.80	2377.39	-19.30	2402.34	-18.80	2433.16	-18.90
2455.94	-19.80	2475.16	-20.90	2495.46	-21.10	2516.11	-23.00	2535.97	-23.20
2554.26	-23.60	2573.18	-24.10	2598.17	-24.00	2617.01	-24.20	2636.36	-24.60
2659.92	-24.50	2678.73	-24.90	2704.75	-25.10	2723.44	-24.90	2756.73	-24.30
2777.14	-25.30	2795.95	-24.90	2820.32	-24.90	2839.37	-25.10	2859.21	-25.50
2878.07	-25.00	2913.95	-25.20	2932.00	-26.00	2958.80	-25.90	2976.81	-26.60
2995.25	-27.70	3015.10	-28.40	3034.50	-28.60	3053.04	-28.50	3072.74	-28.70
3091.74	-27.50	3110.24	-29.10	3129.51	-29.50	3149.71	-30.00	3169.68	-30.20
3188.79	-30.40	3207.15	-30.60	3226.53	-29.90	3253.11	-28.70	3273.11	-28.10
3291.75	-27.50	3315.39	-27.80	3333.68	-27.50	3366.59	-27.00	3388.93	-26.70
3407.50	-26.70	3439.70	-26.90	3459.14	-27.30	3481.36	-27.60	3514.28	-27.90
3533.46	-28.00	3552.78	-27.70	3580.14	-27.80	3598.79	-28.10	3621.72	-27.90

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 05NOV19 31OCT19 157 00 20 137

083.00	11.80	096.00	9.10	108.00	10.40	123.00	7.20	125.00	7.00
135.00	6.70	155.00	6.90	176.00	4.00	194.00	2.70	215.00	0.50
232.00	-2.10	249.00	-3.60	268.00	-3.50	286.00	-3.90	311.00	-4.70
328.00	-4.90	350.00	-5.40	372.00	-5.90	387.00	-6.20	404.00	-6.30
430.37	-6.20	451.97	-6.00	470.66	-5.80	491.42	-5.00	522.66	-5.50
542.01	-6.50	562.66	-8.20	590.22	-8.80	608.28	-9.50	626.44	-10.30
661.34	-11.10	680.51	-11.50	701.32	-11.90	720.35	-12.60	744.82	-13.00
765.04	-13.70	789.25	-14.20	807.47	-14.90	840.99	-15.90	860.98	-16.50
880.28	-17.20	901.26	-18.00	921.04	-20.30	941.72	-21.00	972.11	-20.60
992.67	-21.00	1010.98	-21.50	1029.62	-22.20	1049.11	-22.70	1071.57	-23.30
1091.73	-23.40	1120.47	-23.30	1144.99	-23.20	1165.34	-23.40	1185.00	-23.20
1204.39	-23.60	1231.62	-23.50	1256.40	-24.00	1278.63	-23.60	1300.49	-23.70
1319.31	-23.60	1341.27	-23.90	1363.57	-23.90	1391.94	-23.40	1410.52	-22.50
1430.67	-22.50	1457.14	-22.50	1481.22	-23.10	1512.79	-23.40	1533.80	-23.80
1552.44	-24.60	1578.52	-25.10	1596.61	-25.50	1617.71	-26.30	1636.27	-27.40

1660.40	-27.30	1681.74	-27.30	1703.09	-27.50	1737.86	-27.50	1756.80	-27.20
1775.05	-27.50	1793.07	-27.10	1811.99	-27.30	1838.66	-27.40	1856.82	-27.20
1892.49	-27.20	1912.49	-27.10	1946.40	-27.60	1968.65	-27.60	1999.34	-25.60
2017.99	-25.10	2036.18	-25.70	2069.50	-26.40	2088.77	-26.60	2108.03	-27.00
2128.33	-26.70	2147.06	-27.30	2171.95	-27.30	2192.27	-27.10	2210.36	-27.50
2234.55	-27.40	2254.12	-27.80	2272.73	-27.40	2291.23	-27.90	2309.79	-27.90
2330.57	-28.20	2364.94	-28.40	2383.10	-28.30	2408.53	-27.40	2426.68	-26.00
2444.83	-23.80	2465.66	-19.80	2489.66	-19.30	2508.53	-20.60	2529.64	-20.40
2549.03	-21.30	2568.69	-22.50	2587.41	-21.90	2619.59	-22.20	2653.22	-23.40
2671.35	-24.40	2692.75	-24.80	2722.38	-25.20	2741.87	-25.80	2766.08	-25.70
2796.00	-25.80	2816.98	-25.90	2841.04	-26.60	2869.53	-26.10	2889.52	-26.20
2917.32	-27.20	2951.17	-27.80	2970.57	-28.60	2996.81	-28.90	3016.17	-28.80
3037.32	-28.10	3057.76	-26.90	3076.95	-26.70	3095.08	-25.60	3126.77	-25.50
3157.63	-26.00	3185.85	-26.50	3204.24	-27.30	3224.16	-26.60	3255.10	-26.60
3286.32	-27.40	3317.78	-27.50	3336.57	-27.80	3370.28	-27.70	3388.66	-27.40
3412.30	-27.60	3433.62	-27.20	3457.39	-27.10	3476.92	-26.90	3510.80	-26.70
3539.51	-27.00	3558.21	-26.50						

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 05NOV19 01NOV19 156 00 16 140

113.00	10.00	124.00	10.30	140.00	7.50	150.00	6.80	172.00	6.80
189.00	5.50	209.00	3.60	232.00	1.20	247.00	-1.10	264.00	-3.70
290.00	-4.10	309.00	-4.30	328.00	-4.80	354.00	-5.20	370.00	-5.40
392.00	-5.70	408.80	-6.20	429.02	-6.50	455.85	-6.10	485.64	-5.80
520.66	-5.70	539.56	-5.70	558.24	-5.70	590.14	-6.20	608.42	-7.50
626.44	-8.40	655.50	-9.30	674.54	-9.80	692.77	-10.20	715.48	-10.90
737.02	-11.30	755.65	-11.80	779.93	-12.40	809.46	-12.60	828.92	-12.20
847.42	-11.60	874.47	-11.60	895.84	-12.30	926.14	-13.90	944.40	-14.70
967.59	-15.40	986.11	-16.30	1013.05	-17.50	1031.39	-18.30	1054.30	-19.10
1072.35	-18.00	1103.65	-19.10	1121.74	-20.30	1144.25	-20.80	1165.43	-21.30
1189.77	-21.90	1224.79	-22.10	1247.28	-22.00	1269.55	-21.90	1289.83	-22.10
1316.80	-22.30	1339.00	-22.20	1357.75	-22.00	1380.77	-21.70	1399.15	-22.30
1417.43	-22.70	1438.90	-23.40	1471.23	-24.30	1495.65	-24.00	1518.48	-24.40
1545.66	-25.00	1567.89	-25.60	1585.93	-25.90	1603.95	-26.90	1622.21	-27.30
1658.15	-27.40	1685.28	-27.50	1705.68	-27.80	1726.06	-27.60	1760.33	-27.80
1793.36	-27.70	1812.32	-27.70	1843.32	-27.90	1864.31	-27.60	1887.06	-27.90
1914.35	-27.90	1941.60	-27.80	1960.57	-28.00	1984.61	-28.10	2007.35	-27.90
2042.51	-28.00	2068.96	-28.20	2101.26	-28.30	2119.32	-27.80	2140.25	-28.20
2159.86	-28.70	2185.49	-29.10	2218.73	-29.00	2248.83	-29.10	2273.97	-29.40
2298.59	-29.50	2317.91	-29.00	2336.80	-29.30	2361.21	-29.50	2394.68	-29.10
2412.96	-29.60	2440.44	-30.00	2458.81	-29.70	2477.48	-30.30	2504.75	-29.60
2523.91	-28.60	2543.07	-27.40	2561.10	-25.90	2581.76	-21.00	2612.36	-20.90
2639.85	-20.90	2660.97	-22.40	2681.44	-23.50	2703.90	-24.10	2722.31	-24.30
2740.55	-24.90	2768.07	-24.00	2794.68	-24.40	2824.84	-25.10	2843.23	-24.80
2861.75	-25.60	2880.18	-26.60	2900.27	-26.90	2919.07	-27.10	2945.29	-27.30
2963.49	-27.80	2984.12	-27.20	3004.04	-27.00	3022.62	-26.80	3041.49	-25.70
3061.43	-26.70	3080.96	-26.70	3106.58	-26.70	3138.21	-26.60	3160.46	-27.10
3189.50	-27.10	3214.27	-26.30	3233.72	-25.60	3258.67	-25.80	3286.50	-25.40
3312.35	-25.60	3334.08	-26.00	3362.09	-26.20	3388.90	-26.90	3411.14	-27.00
3433.60	-26.90	3465.74	-26.60	3483.99	-26.70	3507.73	-26.80	3525.80	-27.00
3544.00	-27.60	3579.89	-27.50	3610.12	-27.00	3633.32	-27.20	3657.67	-26.80
3677.26	-26.80								

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077.00	9.90	088.00	8.90	094.00	10.10	100.00	7.70	102.00	7.00
110.00	6.40	128.00	6.30	143.00	5.70	165.00	3.70	187.00	1.20
202.00	-0.60	217.00	-3.00	240.00	-4.00	263.00	-4.30	285.00	-4.80
307.00	-5.50	329.00	-5.80	351.00	-6.20	381.25	-6.30	402.62	-4.20
438.54	-4.60	456.91	-5.20	477.24	-5.80	496.35	-6.30	519.82	-7.20
545.97	-7.70	567.40	-8.00	587.21	-8.50	607.25	-8.80	632.44	-9.20
651.41	-9.70	677.23	-10.00	698.74	-10.50	718.64	-11.20	739.56	-11.70
759.91	-12.00	787.99	-12.40	806.24	-13.30	836.30	-13.90	871.00	-15.10
889.22	-15.70	907.79	-16.30	926.40	-16.80	944.50	-16.50	967.06	-17.60
994.88	-17.30	1013.18	-18.10	1043.46	-18.30	1067.29	-19.70	1087.84	-21.00
1105.91	-22.20	1135.19	-23.00	1156.25	-23.00	1192.08	-23.00	1215.43	-23.00
1248.24	-23.10	1283.17	-22.90	1305.81	-22.80	1325.41	-22.80	1343.62	-23.20
1362.15	-23.10	1382.19	-22.90	1407.16	-23.30	1425.40	-22.80	1444.22	-23.30
1469.53	-23.80	1489.89	-24.20	1512.55	-25.20	1534.94	-25.90	1556.15	-26.60
1574.35	-26.50	1593.08	-26.90	1611.85	-26.70	1630.65	-27.10	1650.07	-27.00
1669.07	-27.00	1696.22	-27.10	1717.50	-27.30	1741.37	-27.10	1767.26	-27.30

1790.43	-27.50	1824.70	-27.60	1855.32	-27.60	1877.57	-27.70	1895.93	-27.70
1914.25	-27.60	1933.24	-27.80	1955.97	-27.90	1983.68	-28.00	2017.51	-27.80
2040.00	-28.10	2059.54	-27.90	2088.18	-28.00	2107.67	-27.90	2130.17	-28.00
2159.15	-28.00	2181.58	-28.10	2199.88	-27.90	2217.89	-28.10	2238.51	-28.50
2266.47	-28.20	2287.47	-28.40	2306.11	-28.40	2329.62	-28.40	2355.15	-28.50
2374.43	-28.40	2398.61	-28.70	2421.09	-28.80	2453.69	-28.80	2474.12	-29.10
2494.97	-28.90	2517.23	-28.60	2540.30	-27.80	2564.39	-26.70	2583.00	-21.10
2601.04	-20.20	2622.07	-19.40	2642.85	-19.40	2673.68	-21.00	2697.98	-21.70
2717.56	-22.00	2735.79	-22.90	2768.03	-25.40	2792.17	-26.10	2821.03	-26.20
2856.52	-28.40	2875.19	-28.90	2909.57	-29.60	2929.92	-30.10	2954.04	-29.90
2988.66	-30.30	3007.12	-30.50	3038.17	-30.60	3060.15	-30.90	3078.94	-30.30
3097.24	-29.10	3118.30	-28.10	3137.50	-27.90	3163.42	-28.30	3182.60	-28.60
3210.36	-29.60	3230.60	-29.80	3251.83	-29.00	3270.66	-28.60	3306.95	-28.70
3326.87	-28.50	3361.66	-28.60	3397.50	-29.30	3420.92	-29.60	3444.74	-29.50
3475.62	-29.20	3496.48	-28.90	3525.71	-28.40	3547.30	-28.50	3569.30	-28.60
3593.24	-29.10								

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092.00	9.30	095.00	9.70	100.00	11.00	110.00	9.30	120.00	7.20
140.00	6.50	163.00	4.60	183.00	3.10	204.00	0.90	218.00	-1.30
237.00	-3.90	258.00	-4.60	278.00	-4.90	303.00	-5.10	323.00	-5.20
343.00	-5.70	363.00	-6.00	387.18	-6.30	407.20	-6.50	426.63	-6.40
445.51	-5.80	466.13	-5.10	498.71	-5.20	517.35	-5.70	535.76	-6.50
555.77	-7.40	582.21	-8.10	600.43	-8.60	619.99	-9.20	644.33	-9.30
662.60	-10.00	680.95	-10.60	700.19	-10.30	718.41	-10.80	738.75	-13.20
760.35	-11.70	783.63	-12.30	802.55	-12.70	820.97	-14.70	840.65	-13.60
860.05	-15.80	881.07	-16.30	900.84	-17.20	919.39	-18.30	938.02	-18.70
960.56	-20.00	986.80	-20.80	1004.83	-21.90	1026.08	-22.40	1059.76	-22.40
1088.74	-22.20	1107.01	-22.10	1136.95	-22.20	1159.05	-22.20	1181.30	-22.00
1211.27	-21.80	1229.30	-21.50	1247.82	-20.80	1267.02	-21.50	1301.18	-21.20
1325.79	-21.40	1359.59	-21.80	1377.87	-21.50	1404.19	-21.60	1422.90	-21.60
1441.19	-21.40	1469.00	-21.90	1503.31	-23.00	1535.71	-23.00	1555.62	-23.60
1575.82	-23.50	1599.01	-24.00	1619.26	-24.50	1638.06	-25.20	1670.42	-26.10
1694.51	-26.50	1729.59	-26.40	1750.15	-26.60	1776.40	-26.60	1807.44	-26.60
1833.82	-26.60	1852.91	-26.80	1871.18	-26.70	1889.78	-27.00	1916.58	-27.10
1945.54	-27.00	1966.13	-27.20	1992.35	-27.30	2023.33	-27.30	2052.44	-27.50
2082.17	-27.50	2107.26	-27.80	2140.51	-27.80	2158.74	-27.50	2177.17	-27.70
2197.75	-27.70	2219.33	-27.80	2238.92	-27.60	2258.37	-27.60	2277.16	-27.80
2299.89	-27.70	2321.20	-27.50	2347.97	-27.60	2368.08	-27.40	2394.72	-27.40
2417.06	-27.20	2440.40	-27.30	2462.67	-27.10	2482.64	-26.80	2509.46	-26.90
2533.32	-26.90	2567.64	-27.50	2586.31	-27.30	2612.13	-27.30	2632.48	-27.50
2660.52	-27.50	2689.67	-27.70	2711.82	-26.20	2730.70	-24.30	2764.90	-24.00
2796.28	-21.70	2815.06	-23.30	2833.13	-23.90	2856.43	-22.60	2875.40	-23.70
2898.03	-23.50	2916.41	-24.30	2935.29	-24.60	2955.44	-24.50	2974.50	-25.70
2993.17	-26.10	3011.85	-25.80	3036.41	-25.30	3060.08	-25.00	3080.83	-25.50
3099.00	-24.70	3117.16	-25.50	3146.55	-25.50	3175.01	-25.00	3210.97	-25.30
3243.14	-25.30	3262.74	-25.80	3283.05	-26.70	3314.14	-26.60	3336.42	-25.90
3354.99	-25.80	3376.94	-25.30	3395.89	-25.10	3425.09	-25.20	3444.12	-25.50
3479.57	-25.90	3510.14	-25.80	3531.88	-26.30	3565.05	-26.80	3589.96	-26.30
3610.61	-25.80	3642.31	-25.80	3661.89	-25.40	3680.03	-26.20	3700.14	-26.40
3718.66	-27.20								

R-108 618139.58 946957.08 95.0 8.45
 06NOV19 01NOV19 156 00 14 142

035.69	8.70	035.99	6.60	065.13	6.80	081.79	6.70	099.52	6.50
115.01	6.50	136.00	6.60	148.00	3.70	171.00	1.00	195.00	-2.30
220.00	-4.30	242.00	-4.80	259.01	-5.40	280.00	-6.40	308.49	-6.80
329.25	-7.10	347.85	-6.80	368.44	-6.40	388.30	-6.20	420.52	-6.10
440.82	-6.30	460.80	-6.60	479.77	-6.90	505.49	-6.70	524.82	-6.90
544.22	-7.30	562.60	-7.60	583.51	-8.00	605.01	-8.70	636.97	-8.80
662.02	-9.30	680.07	-9.70	703.39	-10.40	726.66	-11.30	747.38	-12.20
769.85	-13.00	798.09	-13.80	821.40	-14.20	840.02	-14.40	860.36	-14.30
878.82	-14.40	899.15	-14.90	926.08	-15.30	945.89	-16.70	966.47	-17.10
1000.95	-17.90	1019.22	-18.20	1041.92	-18.60	1066.29	-19.30	1084.90	-19.90
1105.94	-20.30	1127.39	-20.40	1159.66	-20.60	1181.94	-20.40	1204.81	-20.70
1238.08	-20.90	1256.59	-20.70	1274.68	-20.80	1307.63	-20.90	1329.61	-21.30
1348.07	-21.30	1366.69	-21.40	1384.75	-21.70	1403.64	-22.10	1422.03	-22.40
1443.28	-22.80	1471.79	-23.20	1491.70	-23.60	1511.59	-24.10	1533.05	-24.60
1551.83	-25.00	1570.48	-26.00	1590.12	-26.10	1610.60	-26.00	1638.85	-26.20
1672.59	-26.20	1693.07	-26.20	1711.47	-26.40	1729.75	-26.10	1748.80	-26.40

1779.90	-26.70	1800.09	-26.60	1819.20	-26.70	1840.27	-26.70	1861.14	-26.80
1893.48	-26.90	1929.83	-27.20	1956.00	-27.00	1985.27	-27.10	2009.77	-27.30
2028.02	-27.00	2063.78	-27.30	2091.57	-27.40	2109.60	-27.40	2130.20	-27.20
2148.99	-27.30	2169.13	-27.30	2191.36	-27.10	2216.34	-27.10	2239.10	-27.00
2262.37	-27.10	2288.82	-27.10	2323.19	-27.00	2342.04	-26.90	2378.05	-26.90
2399.77	-26.80	2434.66	-26.80	2453.42	-26.80	2471.99	-26.70	2493.46	-26.80
2512.08	-27.00	2531.05	-27.40	2552.78	-26.70	2570.96	-27.40	2591.32	-26.50
2613.90	-27.60	2642.87	-28.10	2664.11	-26.80	2698.00	-27.50	2721.60	-26.50
2751.24	-22.30	2782.31	-23.90	2814.30	-24.90	2833.31	-25.10	2853.09	-24.70
2872.24	-25.50	2893.39	-25.70	2922.54	-25.60	2941.75	-25.40	2969.35	-25.00
2990.40	-24.50	3018.37	-25.40	3036.52	-24.70	3055.70	-25.30	3084.17	-25.60
3109.17	-25.10	3129.36	-25.20	3155.14	-25.50	3178.65	-25.80	3206.14	-25.60
3224.89	-25.20	3255.24	-25.20	3288.40	-25.10	3324.08	-25.90	3344.28	-25.70
3362.54	-26.30	3387.68	-26.50	3412.64	-26.10	3436.38	-26.20	3455.27	-26.10
3486.09	-26.60	3515.55	-26.70	3534.05	-27.10	3569.62	-28.10	3605.50	-27.70
3624.75	-27.60								

R-109 617100.93 946892.75 95.0 7.77
 06NOV19 01NOV19 158 00 18 140

034.92	6.90	034.99	6.60	054.72	6.40	075.77	6.30	097.67	6.40
118.29	6.20	130.06	5.80	150.23	4.70	171.00	2.50	192.00	0.10
210.00	-2.90	225.00	-3.80	240.00	-4.40	260.00	-4.40	277.00	-4.10
299.00	-4.60	320.00	-5.10	338.00	-5.70	354.29	-6.30	383.05	-6.70
404.99	-7.30	428.94	-7.70	447.71	-8.10	470.08	-8.40	494.64	-8.70
517.36	-8.60	537.12	-8.40	555.36	-7.50	574.18	-6.70	592.44	-6.40
613.21	-6.80	632.95	-7.40	654.38	-8.10	684.44	-9.40	702.81	-10.10
724.44	-10.90	743.68	-11.40	765.26	-12.20	786.75	-12.90	813.23	-13.40
836.31	-13.90	854.69	-14.50	872.95	-15.80	891.11	-16.00	923.34	-16.00
955.83	-16.90	980.34	-18.90	1001.64	-19.30	1020.43	-19.40	1042.71	-19.50
1060.99	-20.30	1085.76	-21.80	1108.01	-22.10	1134.48	-22.10	1168.28	-22.10
1188.41	-22.30	1215.55	-22.40	1245.87	-22.60	1264.06	-22.40	1283.34	-22.70
1305.23	-22.90	1332.35	-22.80	1357.68	-23.20	1383.90	-23.50	1415.38	-24.00
1434.12	-24.30	1458.37	-24.60	1487.89	-25.50	1506.71	-26.20	1527.41	-26.70
1548.03	-27.60	1570.77	-27.60	1592.21	-27.40	1617.55	-27.50	1651.65	-27.30
1686.80	-27.20	1714.84	-27.20	1746.92	-27.40	1765.51	-27.10	1792.04	-27.00
1814.55	-27.00	1843.48	-27.00	1862.01	-26.80	1883.41	-26.90	1911.10	-27.00
1929.80	-26.90	1960.71	-26.70	1988.82	-26.70	2007.77	-26.70	2026.47	-26.60
2052.75	-26.90	2087.64	-26.50	2107.85	-26.40	2126.48	-26.80	2144.51	-26.30
2163.86	-26.50	2183.75	-26.20	2205.12	-26.00	2231.99	-26.00	2252.55	-25.70
2270.66	-26.10	2292.43	-26.20	2326.51	-26.20	2345.01	-25.70	2368.39	-25.40
2387.56	-25.50	2407.57	-24.20	2427.27	-23.70	2459.70	-23.50	2492.21	-25.20
2512.54	-25.40	2539.34	-25.30	2559.09	-25.50	2577.27	-25.70	2599.76	-25.40
2617.97	-25.60	2644.18	-25.60	2663.51	-25.50	2687.73	-25.50	2712.56	-25.00
2737.68	-24.70	2761.66	-21.50	2787.67	-18.10	2809.70	-18.70	2840.82	-19.00
2862.92	-20.00	2881.51	-20.90	2899.69	-22.00	2918.44	-23.20	2948.91	-23.30
2984.85	-23.80	3003.65	-24.00	3022.18	-24.80	3041.39	-26.10	3063.09	-26.90
3098.00	-26.80	3116.76	-26.10	3137.39	-26.60	3172.25	-26.60	3193.78	-26.10
3220.64	-26.50	3238.86	-27.00	3266.51	-27.30	3285.78	-27.50	3303.97	-28.10
3336.65	-28.00	3363.16	-27.20	3386.26	-26.30	3409.15	-26.70	3432.44	-27.00
3460.35	-27.10	3480.75	-27.50	3499.51	-27.90	3520.07	-28.70	3541.39	-28.90
3569.43	-29.60	3588.36	-29.50	3613.52	-29.70				

R-110 616034.13 946828.38 95.0 7.56
 06NOV19 01NOV19 158 00 14 144

038.27	6.60	044.08	6.50	044.21	6.40	059.29	6.10	081.24	6.30
102.70	6.50	125.42	6.70	145.38	6.60	160.00	4.20	181.00	2.50
205.00	-0.50	223.00	-3.10	248.00	-4.30	276.00	-4.50	291.34	-5.00
309.42	-5.50	330.95	-6.40	352.02	-6.90	370.34	-7.30	390.66	-7.40
417.13	-7.30	444.24	-7.00	465.43	-6.70	483.87	-7.00	517.64	-7.50
537.12	-7.80	570.06	-8.30	588.81	-8.80	612.41	-8.80	633.40	-9.40
653.81	-8.90	672.71	-9.20	692.73	-9.80	713.59	-9.90	738.35	-10.40
768.54	-10.60	786.59	-11.20	807.85	-11.80	833.86	-12.80	856.48	-13.40
880.58	-14.00	899.21	-14.80	935.48	-16.30	966.77	-15.60	991.24	-16.10
1019.75	-16.20	1037.88	-17.10	1056.20	-18.80	1076.50	-20.00	1105.60	-19.80
1129.01	-20.00	1151.81	-20.20	1179.49	-20.90	1206.30	-21.20	1225.06	-21.60
1245.43	-21.60	1263.71	-21.10	1289.96	-21.60	1310.88	-21.40	1329.26	-21.90
1351.15	-21.30	1384.40	-22.70	1402.53	-23.00	1421.21	-22.80	1439.31	-23.30
1458.88	-23.90	1477.33	-24.80	1497.47	-25.20	1516.73	-25.80	1538.87	-27.10
1569.20	-27.70	1597.04	-27.70	1620.43	-27.90	1647.86	-27.60	1669.75	-27.80
1691.97	-27.60	1723.71	-27.50	1747.78	-27.70	1782.33	-27.60	1805.57	-27.60
1836.79	-27.60	1864.26	-27.40	1898.64	-27.40	1917.79	-27.70	1937.09	-27.60

1967.73	-27.50	1999.39	-27.50	2021.24	-27.50	2051.22	-27.60	2074.65	-27.40
2097.77	-27.50	2130.98	-27.40	2165.74	-27.50	2184.56	-27.10	2211.40	-27.20
2232.44	-27.10	2251.78	-26.70	2270.40	-27.00	2298.32	-26.80	2319.52	-26.70
2347.89	-26.60	2370.65	-26.40	2388.86	-26.40	2406.95	-26.60	2439.63	-26.40
2466.97	-26.40	2486.38	-26.00	2504.90	-23.90	2523.93	-23.80	2544.79	-23.30
2563.47	-21.40	2585.44	-22.50	2605.83	-23.60	2627.10	-23.90	2645.47	-25.00
2669.49	-25.40	2698.46	-25.40	2726.13	-25.30	2745.70	-25.70	2781.14	-25.50
2801.32	-24.30	2823.37	-21.50	2842.12	-23.20	2866.96	-23.80	2891.39	-23.20
2910.01	-22.40	2929.67	-22.30	2957.75	-23.10	2984.98	-23.80	3003.87	-24.00
3022.33	-25.10	3042.12	-25.80	3060.33	-24.60	3080.28	-25.10	3105.25	-25.40
3134.55	-25.20	3153.86	-25.40	3173.17	-26.00	3192.88	-25.80	3212.51	-26.30
3234.39	-26.70	3263.61	-26.10	3282.88	-26.40	3308.79	-25.90	3327.06	-26.60
3346.88	-25.50	3367.21	-25.20	3388.67	-25.60	3409.04	-26.20	3427.47	-25.90
3445.67	-25.80	3465.72	-25.40	3492.26	-25.20	3511.61	-25.70	3536.88	-25.60
3569.49	-25.70	3596.44	-25.50	3616.61	-25.60				
T-111		615040.41		946779.88		95.0		7.78	
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089.21	9.20	096.45	9.20	104.64	9.60	114.75	6.80	137.62	6.30
162.13	6.30	179.89	5.00	199.71	4.50	221.00	2.60	243.00	-0.10
263.00	-2.90	291.00	-3.00	314.00	-3.70	339.09	-4.60	364.08	-5.30
382.51	-6.00	404.14	-6.50	424.40	-6.90	451.22	-7.40	473.19	-7.80
494.01	-8.20	512.14	-8.40	531.02	-9.00	550.42	-8.30	568.67	-7.40
589.71	-7.00	618.05	-6.70	636.11	-7.00	659.18	-7.30	677.24	-7.80
702.21	-8.60	722.08	-9.40	745.08	-10.10	763.25	-11.10	781.37	-11.10
800.87	-11.60	821.01	-12.00	839.54	-12.40	857.83	-12.80	886.75	-13.70
909.58	-15.10	939.63	-14.80	963.31	-15.00	991.00	-15.30	1011.32	-15.90
1031.80	-15.90	1050.09	-20.10	1083.11	-20.40	1102.71	-21.30	1121.42	-21.60
1156.21	-22.10	1174.54	-22.50	1201.70	-22.70	1221.47	-22.80	1241.78	-21.30
1274.46	-21.10	1293.78	-21.40	1325.71	-21.30	1350.20	-21.80	1368.49	-21.50
1390.78	-22.10	1413.04	-22.30	1441.26	-22.70	1464.18	-23.80	1484.12	-24.40
1517.99	-25.80	1537.42	-27.10	1556.54	-26.80	1575.23	-27.20	1602.88	-27.00
1623.81	-26.80	1642.17	-26.90	1661.03	-26.90	1679.88	-27.00	1712.90	-27.10
1732.43	-27.00	1752.78	-27.10	1779.19	-27.10	1800.33	-27.00	1819.11	-27.10
1845.49	-27.20	1875.87	-27.20	1894.81	-26.90	1913.28	-27.30	1932.96	-27.10
1953.48	-27.10	1976.17	-27.10	1999.09	-27.30	2025.85	-27.20	2043.90	-26.90
2062.07	-27.20	2097.53	-27.20	2130.77	-27.10	2149.66	-27.30	2174.85	-27.70
2195.09	-27.80	2221.33	-27.60	2242.94	-27.40	2263.02	-27.50	2289.07	-27.30
2310.82	-27.10	2346.78	-27.00	2366.92	-26.90	2388.28	-26.80	2408.30	-26.60
2433.81	-26.40	2458.72	-26.30	2481.09	-26.30	2501.53	-25.90	2524.10	-25.10
2543.16	-25.80	2574.29	-25.10	2605.92	-25.60	2624.49	-25.10	2642.80	-25.50
2661.56	-25.00	2682.35	-26.00	2707.87	-26.30	2727.79	-26.40	2746.05	-26.80
2770.73	-26.80	2795.36	-27.00	2816.56	-26.70	2834.72	-26.30	2853.41	-25.60
2871.79	-22.90	2890.03	-20.40	2922.38	-19.80	2947.64	-20.40	2978.90	-20.30
3000.38	-21.80	3028.30	-21.60	3055.31	-21.50	3077.10	-20.70	3095.26	-21.90
3114.17	-22.60	3138.84	-24.30	3158.21	-24.90	3177.32	-25.60	3199.58	-26.10
3221.13	-26.90	3245.35	-27.00	3268.64	-27.70	3287.68	-28.10	3311.39	-28.40
3336.44	-28.00	3354.74	-27.60	3374.08	-27.20	3393.10	-25.90	3413.18	-25.20
3439.51	-24.80	3460.71	-24.60	3488.55	-24.10	3507.48	-24.70	3527.95	-24.10
3563.81	-23.90	3586.69	-24.20	3605.55	-24.10	3627.72	-23.90	3649.93	-24.40
3669.75	-24.10								
T-112		614013.01		946730.33		95.0		5.83	
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035.31	5.80	035.50	5.60	054.21	5.60	075.51	6.10	095.44	6.40
118.06	6.50	139.08	6.40	159.69	5.70	169.59	5.20	189.00	3.20
210.00	1.90	226.00	-0.20	245.00	-2.70	267.00	-2.40	291.00	-2.80
319.00	-3.60	330.00	-4.10	346.00	-4.40	365.00	-5.50	387.44	-5.70
407.17	-6.20	431.69	-6.70	450.93	-7.30	483.42	-8.00	504.27	-8.40
523.35	-8.70	541.43	-8.30	560.37	-7.50	592.13	-7.20	613.48	-7.50
631.75	-7.80	660.42	-8.30	679.89	-8.80	701.36	-9.50	727.70	-10.10
746.12	-10.90	764.29	-11.40	783.00	-12.00	803.57	-12.60	821.93	-13.80
840.37	-13.40	859.64	-13.00	882.25	-13.50	901.75	-14.30	929.22	-14.80
953.06	-16.40	981.92	-16.90	1011.71	-15.30	1038.71	-14.90	1069.13	-18.00
1087.45	-18.90	1111.36	-19.50	1129.89	-20.20	1148.09	-20.90	1171.51	-21.40
1200.00	-22.20	1228.59	-22.70	1247.29	-21.20	1268.93	-19.90	1288.33	-20.50
1323.29	-20.30	1347.87	-21.70	1366.53	-20.60	1393.94	-20.60	1418.26	-21.40
1448.68	-21.30	1466.70	-22.00	1490.20	-23.40	1508.81	-24.60	1527.56	-25.30
1547.36	-26.10	1565.81	-26.60	1587.26	-26.60	1618.06	-26.60	1642.93	-26.60
1672.12	-26.60	1690.21	-26.70	1720.67	-26.70	1756.11	-26.70	1774.82	-26.90
1805.16	-27.10	1826.91	-26.90	1857.50	-27.00	1881.63	-26.70	1905.21	-26.90

1933.96	-26.80	1963.02	-26.70	1990.38	-27.00	2010.99	-26.90	2037.65	-26.80
2066.79	-26.80	2100.55	-26.60	2121.39	-26.60	2140.46	-26.60	2164.71	-26.50
2186.13	-26.80	2204.46	-27.20	2234.49	-26.90	2265.89	-26.80	2291.05	-26.60
2309.65	-26.70	2334.12	-26.40	2360.67	-26.10	2386.73	-26.00	2416.25	-26.00
2447.50	-26.00	2475.93	-26.10	2505.08	-26.10	2524.52	-25.60	2549.64	-25.50
2575.64	-24.70	2594.51	-24.90	2625.76	-24.50	2647.25	-24.20	2666.17	-24.70
2694.93	-24.20	2714.30	-24.80	2741.92	-25.40	2762.28	-25.80	2780.48	-25.70
2803.36	-25.80	2832.20	-25.50	2851.47	-24.20	2869.80	-22.30	2887.98	-21.10
2910.82	-18.70	2934.09	-19.10	2952.94	-19.50	2986.76	-19.70	3011.07	-20.90
3030.73	-21.80	3052.78	-22.20	3071.93	-23.50	3097.28	-24.70	3117.42	-26.10
3136.01	-27.10	3159.77	-27.50	3194.28	-27.70	3214.04	-27.70	3233.53	-27.90
3259.14	-28.10	3277.63	-28.30	3297.02	-28.20	3330.39	-27.70	3351.08	-27.30
3369.42	-26.40	3387.47	-26.50	3412.30	-25.80	3430.63	-25.00	3454.54	-25.20
3473.46	-24.90	3496.24	-25.70	3515.52	-25.50	3534.64	-26.30	3553.96	-27.00
3573.81	-27.30	3593.51	-27.80						
R-113		613081.90		946708.70		95.0	5.62		
	06NOV19	01NOV19	159 00	19 140					

008.65	7.20	009.34	5.10	030.89	5.70	053.98	6.30	076.46	6.50
098.57	6.40	120.17	6.50	139.32	6.50	150.11	6.50	170.19	4.40
175.00	3.30	190.00	2.70	213.00	-0.10	230.00	-0.80	259.00	-2.80
281.00	-5.00	300.00	-6.00	317.00	-6.80	337.00	-7.10	355.92	-7.70
374.48	-7.10	395.06	-5.80	415.75	-5.20	449.48	-5.20	475.62	-5.20
506.85	-6.20	524.92	-7.00	547.33	-7.30	566.23	-7.70	598.93	-8.60
619.96	-9.10	637.97	-9.60	657.13	-10.00	687.57	-11.10	709.11	-11.70
728.36	-12.30	747.89	-12.90	772.92	-13.90	794.99	-14.60	815.10	-14.90
838.08	-16.30	870.27	-16.60	894.51	-16.70	922.19	-16.90	942.25	-17.40
963.72	-16.90	985.65	-17.10	1003.99	-17.70	1026.30	-16.00	1048.55	-15.90
1066.96	-17.70	1085.35	-19.60	1108.44	-19.30	1144.63	-20.90	1163.57	-21.60
1187.06	-21.70	1209.14	-22.20	1239.35	-21.90	1262.41	-22.10	1298.32	-21.10
1331.64	-21.10	1353.44	-21.40	1377.58	-21.50	1399.16	-22.30	1429.70	-23.10
1448.10	-23.70	1466.32	-24.50	1491.12	-25.20	1513.48	-25.30	1546.50	-25.10
1572.84	-25.20	1598.91	-25.20	1621.86	-25.10	1649.20	-25.10	1674.64	-25.10
1694.96	-25.20	1724.21	-24.80	1743.87	-24.80	1770.55	-24.70	1799.44	-24.60
1820.67	-24.50	1839.86	-24.40	1859.88	-24.30	1878.55	-23.90	1905.66	-23.80
1927.40	-23.50	1947.58	-23.50	1979.54	-23.80	2000.92	-23.90	2019.28	-23.70
2040.56	-23.60	2068.35	-23.70	2095.96	-23.30	2126.50	-23.10	2161.54	-23.10
2180.30	-23.00	2209.69	-22.70	2237.77	-22.90	2267.99	-22.10	2288.53	-21.70
2324.10	-21.70	2343.43	-22.00	2374.39	-21.60	2407.29	-21.40	2433.16	-22.20
2451.97	-21.60	2471.75	-22.50	2491.41	-22.70	2514.24	-22.90	2532.44	-22.30
2553.67	-20.60	2584.33	-21.30	2602.67	-20.70	2620.82	-21.00	2640.74	-21.20
2662.86	-21.90	2688.93	-23.00	2709.07	-23.50	2727.87	-25.10	2751.42	-25.80
2770.83	-25.60	2789.22	-25.80	2807.27	-26.00	2830.52	-25.60	2849.73	-24.60
2878.85	-24.20	2902.10	-22.80	2920.27	-21.20	2938.28	-22.50	2968.89	-22.80
2992.81	-22.60	3017.48	-23.60	3048.48	-24.70	3067.50	-25.50	3088.68	-26.00
3107.13	-26.50	3125.27	-27.60	3143.58	-28.40	3166.74	-28.80	3186.60	-29.20
3211.20	-29.40	3239.37	-29.50	3264.66	-29.70	3287.76	-29.00	3316.19	-28.70
3337.07	-28.00	3363.63	-27.20	3382.83	-27.40	3406.65	-27.60	3426.59	-28.10
3455.14	-28.20	3473.71	-28.10	3499.17	-28.60	3519.97	-28.90	3545.25	-30.00
3570.27	-29.40	3590.58	-29.00	3625.60	-29.10	3646.50	-28.50		
T-114		612110.91		946635.31		95.0	6.37		
	06NOV19	01NOV19	153 00	17 136					

035.43	6.10	041.52	6.00	041.79	5.80	064.62	6.00	085.65	6.30
107.02	6.40	129.01	6.40	151.64	6.20	174.58	4.70	194.50	3.40
210.00	2.60	233.00	-0.90	258.00	-3.00	283.00	-3.70	307.00	-4.70
342.00	-5.40	370.00	-6.00	387.76	-5.70	408.88	-5.00	442.60	-4.80
461.02	-5.00	494.51	-5.70	512.63	-6.40	531.87	-7.10	553.14	-7.70
577.88	-8.40	597.71	-9.20	622.06	-9.50	641.49	-10.00	671.32	-11.00
689.33	-11.80	707.54	-12.20	727.42	-12.80	746.37	-13.00	764.82	-13.70
783.84	-14.10	802.24	-14.60	822.31	-15.30	841.41	-15.70	859.54	-17.10
877.80	-16.80	897.80	-17.30	917.61	-16.60	935.67	-17.60	968.73	-17.60
987.87	-17.30	1005.89	-17.90	1041.76	-18.00	1067.82	-18.70	1089.14	-19.30
1121.78	-20.60	1141.04	-21.00	1159.60	-20.70	1180.42	-20.60	1201.10	-20.50
1221.41	-20.10	1250.54	-20.40	1285.58	-20.10	1318.74	-20.90	1337.85	-21.50
1356.60	-21.80	1386.70	-22.70	1408.18	-22.80	1431.08	-23.10	1450.33	-25.10
1478.70	-25.80	1508.59	-25.70	1536.91	-25.80	1567.27	-25.90	1591.40	-25.70
1613.60	-25.90	1644.99	-25.80	1669.15	-25.80	1693.90	-25.70	1718.35	-25.60
1741.22	-25.60	1772.16	-25.60	1793.77	-25.40	1822.88	-25.40	1845.30	-25.10
1869.97	-25.00	1891.99	-24.90	1925.51	-24.50	1952.53	-24.20	1976.56	-24.00
1997.79	-23.60	2016.09	-23.30	2035.56	-23.10	2054.51	-23.00	2074.02	-22.70

2096.43	-22.90	2117.13	-22.90	2135.93	-21.40	2154.23	-21.10	2182.71	-21.00
2205.05	-21.20	2237.78	-21.30	2266.28	-21.00	2298.79	-21.60	2329.86	-21.70
2348.24	-20.90	2366.35	-21.40	2391.34	-21.40	2413.68	-20.80	2435.51	-21.30
2469.95	-22.20	2492.66	-21.80	2511.07	-20.90	2533.78	-21.70	2562.31	-22.20
2580.61	-21.40	2598.89	-22.60	2627.90	-23.40	2652.33	-23.80	2687.51	-24.10
2718.11	-24.70	2745.75	-25.00	2771.56	-24.70	2791.25	-23.90	2809.40	-21.90
2832.55	-20.40	2851.09	-20.60	2869.44	-18.30	2887.86	-17.80	2913.23	-17.80
2931.41	-18.40	2955.12	-19.30	2977.17	-21.20	3006.62	-21.70	3027.05	-23.80
3046.95	-24.50	3070.82	-25.90	3090.16	-26.50	3117.89	-27.00	3145.67	-26.70
3169.53	-27.20	3190.73	-27.10	3215.45	-27.20	3234.98	-27.80	3270.58	-28.10
3298.44	-29.10	3321.23	-29.70	3339.24	-30.00	3360.61	-30.80	3396.45	-31.50
3415.55	-32.50	3439.49	-33.50	3474.30	-34.80	3499.50	-34.90	3530.33	-35.10
3548.92	-35.00	3583.62	-35.10	3605.21	-35.20				
R-115		611059.81		946625.00		95.0	6.28		
06NOV19	01NOV19	159	00	14	145				
033.00	9.50	040.28	9.10	048.66	9.10	053.32	8.50	056.19	7.60
073.23	6.60	096.77	6.40	119.18	6.20	139.88	4.70	159.77	2.60
181.00	0.60	202.00	-0.60	225.00	-1.50	249.00	-2.60	269.25	-3.10
288.18	-4.50	321.73	-5.50	339.75	-5.90	358.04	-6.30	379.17	-6.80
409.70	-7.70	427.78	-8.20	447.20	-8.00	467.93	-7.70	486.19	-7.30
504.82	-6.00	526.86	-5.20	562.61	-5.60	585.67	-6.70	605.77	-7.50
624.65	-8.30	644.94	-9.20	664.41	-9.40	682.64	-10.40	710.86	-11.00
738.68	-11.50	768.05	-12.30	789.62	-13.00	811.72	-13.50	831.11	-14.10
859.33	-14.90	877.34	-15.40	901.57	-15.90	919.77	-16.30	948.26	-18.10
967.99	-18.90	991.80	-19.40	1010.03	-19.60	1041.16	-20.00	1064.28	-20.30
1086.42	-20.90	1107.00	-21.30	1135.41	-21.90	1170.94	-21.70	1193.09	-21.90
1223.76	-22.20	1243.18	-21.90	1278.67	-21.90	1313.46	-21.80	1339.55	-21.60
1362.06	-21.40	1392.73	-21.20	1425.62	-20.90	1445.79	-20.80	1468.14	-20.30
1486.52	-20.70	1509.10	-20.40	1529.58	-20.40	1549.97	-20.50	1568.29	-20.20
1587.58	-20.50	1613.94	-20.70	1632.19	-20.90	1650.66	-21.30	1680.56	-21.40
1701.13	-21.20	1719.76	-21.50	1750.56	-21.70	1769.67	-21.90	1792.91	-22.10
1811.09	-22.20	1829.96	-22.20	1851.00	-22.60	1871.46	-22.70	1894.35	-22.60
1916.53	-22.90	1940.23	-23.00	1971.39	-23.20	1996.87	-22.60	2025.86	-22.80
2044.94	-23.40	2066.22	-22.90	2102.14	-22.50	2121.85	-22.30	2148.06	-22.60
2168.85	-22.40	2193.38	-22.10	2215.34	-22.00	2247.99	-22.00	2273.69	-22.10
2307.05	-22.10	2331.24	-22.50	2350.26	-22.40	2378.73	-22.90	2406.99	-23.00
2425.38	-22.30	2451.66	-21.60	2487.64	-21.80	2514.71	-22.40	2550.46	-21.20
2582.20	-24.10	2601.15	-25.00	2629.51	-25.80	2656.35	-25.80	2682.57	-26.40
2710.36	-26.60	2728.93	-26.90	2747.88	-26.60	2765.96	-26.40	2788.11	-24.30
2806.13	-25.00	2842.18	-23.80	2860.69	-24.40	2879.26	-25.40	2900.22	-26.60
2919.82	-26.50	2940.59	-28.00	2958.62	-28.30	2976.82	-29.00	2995.20	-29.50
3014.46	-29.50	3032.87	-29.00	3050.98	-29.50	3074.17	-29.90	3095.42	-30.10
3117.76	-30.40	3136.86	-30.80	3155.27	-31.40	3176.72	-31.80	3204.82	-32.40
3223.78	-31.60	3247.72	-31.40	3281.15	-31.80	3299.51	-32.60	3319.66	-32.40
3339.07	-33.00	3360.71	-33.70	3385.34	-34.10	3404.26	-32.70	3423.19	-32.00
3441.43	-32.10	3460.52	-32.00	3480.66	-31.50	3512.28	-32.00	3540.08	-31.90
3567.35	-32.40	3596.39	-31.20	3619.13	-30.80	3637.47	-31.60		
R-116		610055.90		946561.14		95.0	6.18		
06NOV19	01NOV19	164	00	19	145				
007.61	7.40	008.10	5.50	032.48	5.80	054.16	6.40	076.94	6.40
100.04	6.40	123.21	6.50	146.47	6.80	168.74	6.60	189.68	5.30
205.37	3.70	221.00	2.80	248.00	-0.40	272.00	-2.90	293.00	-3.40
312.00	-4.10	339.00	-4.70	352.00	-5.20	371.00	-5.60	392.66	-6.30
418.46	-7.00	437.41	-7.30	459.51	-6.90	478.44	-5.30	511.23	-4.50
529.55	-4.80	562.38	-5.60	583.42	-6.10	603.35	-7.00	625.50	-7.70
655.44	-8.80	674.52	-9.40	692.93	-10.20	711.29	-10.80	744.38	-11.80
764.78	-12.70	783.75	-13.10	803.40	-13.60	835.32	-14.60	853.49	-15.70
877.50	-16.00	897.66	-16.10	915.92	-17.10	938.93	-17.70	964.91	-17.90
994.29	-18.10	1020.77	-18.30	1042.67	-18.40	1062.61	-18.80	1086.91	-19.10
1121.57	-19.20	1143.46	-19.60	1163.19	-20.10	1183.95	-20.70	1207.77	-21.00
1226.52	-21.20	1253.81	-21.30	1284.42	-21.10	1302.51	-21.10	1334.65	-21.20
1353.62	-21.10	1374.70	-21.20	1394.59	-21.00	1420.01	-21.10	1442.16	-20.90
1464.97	-20.90	1483.71	-21.20	1502.81	-21.30	1526.15	-21.60	1545.21	-22.00
1563.91	-22.20	1581.93	-22.90	1602.50	-23.00	1625.35	-22.70	1646.32	-22.90
1667.88	-22.70	1687.01	-22.80	1716.61	-22.70	1735.02	-22.90	1760.42	-22.80
1779.45	-22.90	1804.46	-23.20	1823.73	-23.10	1843.52	-23.20	1867.19	-23.20
1885.21	-23.60	1905.58	-23.80	1925.81	-23.50	1944.96	-23.20	1965.01	-23.40
1997.93	-23.10	2020.20	-23.30	2043.75	-23.80	2061.98	-23.50	2083.78	-23.10
2109.26	-23.50	2128.41	-24.10	2158.31	-22.50	2184.35	-22.20	2203.89	-22.00

2230.03	-22.00	2265.10	-22.10	2289.92	-22.00	2314.97	-21.80	2337.12	-22.70
2360.74	-22.80	2385.14	-22.90	2404.49	-22.40	2427.15	-22.90	2447.59	-22.60
2466.11	-22.40	2484.88	-22.60	2503.25	-23.30	2521.72	-24.20	2541.15	-24.70
2561.27	-25.10	2580.57	-26.40	2601.19	-26.90	2623.37	-27.30	2641.70	-26.90
2661.26	-25.20	2679.61	-23.80	2697.86	-23.30	2722.26	-25.30	2742.88	-24.40
2773.46	-23.80	2791.60	-25.10	2809.62	-26.30	2830.09	-27.40	2848.55	-28.70
2866.69	-29.60	2884.92	-30.30	2914.33	-31.20	2935.02	-31.20	2958.89	-31.30
2989.05	-31.10	3007.19	-31.10	3028.03	-31.00	3047.30	-31.40	3068.21	-30.80
3086.76	-30.50	3107.77	-30.30	3137.36	-29.90	3165.34	-30.20	3185.74	-30.10
3210.94	-30.30	3241.51	-30.40	3260.95	-30.80	3296.11	-30.90	3317.68	-31.10
3341.93	-30.90	3361.70	-31.20	3384.22	-31.40	3407.86	-31.20	3426.95	-31.30
3460.33	-31.90	3478.74	-30.70	3497.09	-31.70	3517.01	-31.70	3537.42	-31.70
3561.07	-31.60	3594.18	-32.00	3619.85	-31.40	3639.91	-31.90		
R-117		609066.25		946441.46		95.0		7.31	
	06NOV19	01NOV19	152 00	16 136					

121.91	8.70	127.38	9.00	135.19	7.90	143.09	6.50	160.84	6.30
183.78	6.20	205.55	5.70	227.33	5.10	249.87	4.50	265.09	3.50
284.00	2.20	305.00	-0.80	329.00	-2.30	354.00	-2.80	378.00	-3.80
402.00	-4.70	423.58	-5.50	446.66	-5.80	468.07	-6.10	488.96	-6.20
509.38	-7.00	545.64	-7.00	565.24	-6.90	594.59	-6.90	612.63	-6.60
638.38	-6.30	656.78	-5.40	687.55	-5.90	706.00	-7.00	724.06	-8.10
742.49	-9.10	773.53	-9.90	796.61	-10.30	816.35	-11.00	836.24	-11.50
867.74	-12.50	886.19	-13.20	904.80	-13.90	925.60	-14.20	959.30	-15.30
980.74	-15.90	999.69	-16.30	1018.15	-17.00	1049.44	-18.80	1069.23	-19.00
1099.29	-19.10	1128.20	-19.50	1148.89	-19.90	1181.64	-20.10	1204.03	-20.20
1224.53	-20.80	1252.54	-20.90	1277.91	-20.90	1298.58	-20.80	1330.58	-20.80
1352.46	-20.60	1371.40	-20.40	1393.25	-20.30	1415.01	-20.40	1437.27	-20.10
1455.57	-20.20	1475.49	-20.00	1494.10	-19.60	1514.65	-19.40	1533.24	-18.90
1563.06	-18.80	1591.19	-18.80	1610.82	-19.60	1633.64	-19.30	1664.76	-19.70
1689.59	-20.30	1707.98	-21.50	1740.82	-21.60	1760.14	-22.90	1783.45	-22.40
1805.40	-22.50	1823.76	-21.80	1859.28	-22.10	1878.07	-21.70	1901.98	-21.50
1923.74	-21.90	1942.27	-22.20	1969.80	-22.20	1987.90	-21.50	2019.08	-21.90
2041.77	-21.50	2061.08	-20.80	2082.61	-21.00	2118.38	-21.30	2139.92	-20.90
2161.91	-21.00	2183.25	-21.60	2207.72	-20.90	2227.03	-21.60	2246.69	-21.80
2279.66	-22.30	2302.33	-22.90	2326.30	-23.60	2362.42	-23.70	2392.08	-24.30
2411.06	-24.50	2430.63	-24.50	2457.37	-24.30	2478.42	-23.90	2496.47	-24.80
2519.73	-25.10	2540.72	-25.90	2567.11	-26.30	2586.81	-26.70	2605.05	-27.50
2634.75	-28.10	2669.68	-28.70	2695.70	-28.90	2713.79	-28.30	2739.22	-25.00
2761.65	-27.50	2786.16	-27.80	2813.11	-27.70	2832.99	-28.20	2863.57	-25.00
2882.81	-27.60	2910.86	-28.00	2945.44	-29.10	2964.20	-29.40	2996.78	-29.40
3015.64	-29.40	3036.62	-29.40	3059.32	-28.90	3094.10	-28.20	3115.80	-26.90
3140.86	-25.60	3161.57	-25.30	3184.84	-25.20	3212.55	-25.90	3234.97	-26.50
3255.83	-27.60	3273.99	-28.70	3294.06	-30.00	3312.88	-30.80	3333.54	-31.30
3352.80	-31.80	3375.04	-31.40	3394.45	-32.10	3413.40	-31.40	3431.71	-30.40
3449.97	-29.80	3468.01	-30.20	3488.06	-29.10	3522.60	-29.30	3547.12	-28.90
3565.43	-29.20	3589.41	-28.60						
R-118		607985.22		946368.23		95.0		8.22	
	06NOV19	01NOV19	156 00	19 137					

078.40	7.30	087.66	7.90	091.09	7.70	114.55	7.20	139.29	6.90
163.24	6.80	179.21	6.90	195.59	7.10	209.61	4.80	216.63	3.00
225.48	2.90	243.00	2.10	261.00	-0.10	278.00	-2.20	299.00	-2.60
323.00	-3.40	345.00	-4.40	367.00	-4.90	391.00	-5.60	410.18	-6.20
428.26	-6.30	447.32	-6.70	467.30	-6.80	486.25	-7.10	504.45	-7.30
525.65	-7.20	543.93	-6.60	562.16	-5.10	590.73	-5.00	616.89	-5.70
637.49	-6.40	668.36	-7.60	688.30	-8.10	707.46	-8.70	725.74	-9.20
755.90	-10.10	778.08	-10.60	797.50	-11.30	817.75	-11.90	840.75	-12.60
858.82	-13.30	877.81	-13.70	896.64	-14.50	931.54	-14.90	964.38	-15.30
989.76	-15.50	1011.68	-15.90	1030.14	-16.10	1052.35	-16.20	1071.00	-16.90
1097.26	-17.10	1128.85	-16.40	1147.26	-17.30	1165.50	-17.50	1184.53	-18.20
1214.78	-18.70	1250.28	-18.70	1270.11	-19.00	1290.10	-19.40	1309.00	-19.60
1330.35	-19.70	1349.39	-19.60	1370.83	-19.60	1407.20	-20.40	1436.39	-19.20
1461.54	-19.30	1486.14	-19.80	1504.73	-20.80	1538.83	-21.60	1572.32	-22.10
1604.01	-21.50	1623.12	-19.40	1642.96	-19.10	1664.85	-19.30	1686.77	-19.80
1717.71	-20.20	1742.83	-20.20	1761.31	-21.60	1789.85	-20.70	1810.76	-21.20
1831.23	-21.20	1865.70	-21.60	1883.96	-23.00	1902.69	-22.00	1931.49	-22.10
1951.77	-22.40	1974.53	-22.10	1993.79	-22.90	2013.77	-23.50	2032.25	-22.90
2050.58	-22.30	2069.68	-23.80	2094.29	-23.50	2121.18	-23.80	2142.84	-23.60
2173.55	-22.80	2209.04	-22.70	2238.72	-22.50	2263.64	-22.80	2288.04	-22.60
2309.24	-22.80	2331.42	-22.60	2351.26	-22.50	2369.39	-23.10	2387.80	-24.30

2406.09	-25.10	2441.26	-25.00	2462.58	-23.20	2487.14	-23.50	2509.66	-24.10
2536.77	-24.80	2564.59	-27.00	2583.02	-27.50	2608.60	-27.60	2640.48	-27.60
2671.91	-27.20	2692.91	-26.60	2711.77	-25.70	2732.95	-24.70	2752.00	-25.10
2782.97	-25.70	2801.34	-26.10	2820.18	-26.70	2841.02	-26.60	2866.87	-24.40
2885.90	-24.00	2905.54	-25.20	2926.40	-25.00	2944.98	-25.80	2963.24	-26.70
2982.54	-27.80	3011.31	-28.90	3036.51	-29.40	3062.21	-29.60	3085.21	-30.10
3104.80	-29.80	3141.04	-31.10	3164.65	-32.80	3193.75	-33.20	3217.55	-34.00
3236.14	-35.40	3254.61	-36.00	3287.04	-35.80	3307.79	-35.80	3330.20	-36.00
3357.99	-35.80	3388.01	-35.70	3415.94	-35.60	3434.34	-35.50	3453.11	-35.40
3478.68	-35.20	3497.54	-35.30	3520.97	-35.10	3542.35	-35.10	3561.39	-34.90
3588.69	-35.00								
R-119		606982.25	946382.00	95.0	7.57				
	06NOV19	01NOV19	165 00 34 131						
001.56	7.50	002.23	8.00	003.95	8.00	004.53	6.50	029.28	6.80
051.33	6.90	073.36	6.90	094.22	6.90	116.46	7.00	138.65	7.00
159.50	6.90	164.75	6.30	184.98	3.50	205.00	1.10	229.00	-2.20
249.00	-2.60	269.00	-2.80	294.82	-3.30	315.05	-3.70	333.07	-4.30
354.32	-4.70	372.39	-5.10	391.57	-5.40	410.22	-5.90	445.33	-6.30
464.46	-6.20	482.63	-6.60	500.73	-6.60	523.80	-6.90	543.19	-7.30
561.47	-7.20	584.20	-7.00	604.51	-6.80	623.02	-6.00	644.46	-5.30
679.33	-6.00	697.37	-6.90	715.43	-7.60	746.14	-9.10	765.30	-9.90
786.74	-10.80	805.92	-11.40	828.59	-11.90	849.41	-12.20	868.99	-12.60
889.31	-13.10	908.63	-13.20	927.67	-14.10	946.08	-14.70	964.83	-14.80
985.30	-14.80	1004.70	-14.80	1023.14	-15.40	1048.25	-15.20	1077.72	-15.40
1095.76	-15.30	1115.32	-16.20	1140.26	-16.40	1172.04	-17.90	1193.58	-16.40
1217.14	-17.00	1245.61	-17.30	1271.00	-17.60	1291.34	-17.70	1309.49	-18.00
1330.76	-18.50	1349.43	-18.90	1372.68	-18.80	1393.37	-19.90	1418.56	-18.80
1438.64	-19.30	1470.06	-19.90	1491.93	-19.70	1516.94	-19.60	1535.64	-20.00
1557.69	-19.60	1586.29	-20.10	1605.08	-20.50	1623.43	-20.50	1649.67	-20.60
1668.21	-20.30	1700.59	-21.30	1731.15	-20.90	1750.53	-21.20	1785.17	-21.10
1813.05	-21.00	1847.21	-21.10	1867.15	-21.40	1885.26	-21.70	1903.72	-21.70
1923.17	-21.80	1943.61	-22.50	1970.15	-22.30	1990.26	-21.50	2014.74	-21.90
2036.93	-22.40	2070.55	-22.60	2104.92	-22.10	2123.21	-22.60	2153.15	-22.60
2171.81	-21.80	2190.13	-21.90	2216.01	-21.70	2236.10	-21.80	2259.32	-21.90
2279.68	-22.40	2299.34	-22.60	2334.36	-22.80	2354.56	-22.60	2386.07	-22.80
2411.39	-22.90	2433.34	-23.30	2464.00	-24.50	2484.90	-24.70	2504.87	-23.90
2526.99	-24.30	2545.50	-24.10	2567.21	-23.50	2585.35	-23.20	2609.27	-22.80
2631.48	-21.90	2649.99	-21.20	2669.33	-20.30	2689.39	-19.00	2712.41	-18.20
2731.46	-17.80	2755.61	-17.50	2774.66	-17.40	2793.04	-18.00	2823.76	-18.30
2848.78	-18.40	2871.03	-18.10	2889.16	-18.00	2909.36	-18.40	2929.01	-20.10
2957.34	-21.20	2976.95	-20.70	2995.05	-22.10	3013.08	-22.90	3031.71	-23.80
3051.80	-24.40	3071.94	-25.00	3091.35	-24.50	3116.13	-25.00	3152.17	-25.50
3181.56	-25.20	3214.42	-25.30	3232.79	-25.60	3253.07	-25.40	3271.40	-25.80
3293.02	-26.10	3311.80	-26.70	3330.43	-25.80	3350.87	-26.30	3369.21	-27.00
3389.55	-27.40	3414.00	-27.70	3449.50	-28.50	3477.29	-29.20	3495.72	-29.60
3515.17	-29.60	3537.56	-30.70	3555.73	-31.30	3577.56	-31.90	3600.29	-32.20
R-120		605867.57	946307.93	95.0	8.79				
	06NOV19	01NOV19	158 00 23 135						
000.27	8.40	001.33	7.20	033.17	7.10	056.95	7.50	078.64	7.50
101.32	6.90	124.49	6.50	144.73	5.30	160.05	3.00	180.00	1.50
203.00	-1.20	214.00	-2.60	237.00	-3.20	263.00	-3.50	290.00	-4.40
315.48	-5.20	337.57	-5.60	357.43	-5.90	376.71	-6.30	398.92	-6.50
420.87	-6.10	447.66	-5.20	470.36	-5.00	506.39	-5.20	533.01	-5.40
553.87	-5.60	571.88	-6.30	590.20	-7.30	609.00	-8.30	643.46	-9.90
662.29	-10.70	682.44	-11.40	700.55	-12.00	725.38	-13.00	747.40	-13.50
765.61	-14.00	784.96	-15.20	804.78	-15.00	823.19	-14.70	841.55	-15.50
868.31	-15.50	900.95	-16.00	931.96	-16.60	955.78	-16.80	974.24	-17.30
1000.52	-17.60	1018.90	-18.00	1046.90	-18.70	1080.73	-19.00	1101.45	-19.20
1124.05	-19.70	1142.68	-19.30	1166.72	-19.50	1185.28	-20.30	1204.70	-21.10
1237.90	-20.20	1258.03	-20.60	1277.56	-21.30	1295.63	-20.70	1318.61	-19.80
1341.50	-20.00	1370.64	-20.10	1389.79	-20.60	1408.89	-21.20	1433.32	-21.70
1463.68	-21.30	1499.57	-21.10	1521.09	-21.20	1539.64	-21.80	1566.86	-21.90
1601.50	-21.60	1625.24	-22.10	1649.23	-21.40	1667.63	-22.10	1688.69	-21.90
1713.76	-22.30	1733.19	-22.70	1751.51	-22.10	1774.01	-22.50	1792.13	-23.30
1816.08	-23.30	1841.23	-23.10	1868.97	-23.40	1890.85	-22.60	1909.75	-22.90
1932.60	-22.60	1961.26	-22.80	1987.51	-22.40	2006.55	-22.50	2025.38	-22.60
2053.93	-22.40	2079.08	-22.50	2098.15	-22.90	2118.36	-22.60	2147.09	-22.50
2165.39	-22.20	2184.27	-22.60	2211.39	-22.70	2244.72	-22.70	2262.83	-22.90
2282.42	-22.60	2307.46	-22.50	2325.75	-22.10	2356.70	-21.90	2385.12	-22.00

2404.58	-22.60	2423.08	-24.10	2441.86	-24.40	2459.96	-25.00	2482.15	-25.30
2501.67	-25.50	2534.47	-24.90	2559.35	-25.00	2580.60	-25.10	2599.51	-24.80
2619.16	-24.50	2642.49	-23.40	2666.09	-22.60	2685.79	-21.90	2709.23	-21.20
2727.30	-20.10	2750.95	-19.30	2778.10	-19.00	2799.77	-18.70	2822.35	-18.10
2844.03	-17.90	2862.71	-18.50	2887.36	-17.90	2912.24	-18.00	2939.16	-18.70
2957.50	-19.60	2992.68	-22.40	3012.06	-23.40	3035.23	-24.90	3059.23	-24.90
3077.77	-26.10	3096.84	-26.30	3133.06	-26.40	3155.82	-26.70	3180.04	-26.40
3209.65	-26.30	3228.63	-26.60	3255.55	-26.80	3277.11	-27.00	3301.19	-27.60
3320.83	-28.00	3345.66	-28.10	3364.34	-28.70	3388.12	-28.90	3408.90	-29.50
3430.51	-30.50	3448.75	-30.60	3468.18	-31.60	3487.35	-32.30	3508.37	-32.90
3528.80	-33.30	3558.95	-33.60	3578.95	-33.40				
R-121		604782.47		946274.09		95.0	6.81		
	06NOV19	01NOV19	159	00	13	146			
003.66	8.60	004.11	7.40	021.38	7.00	044.51	4.10	060.01	3.50
082.00	0.90	106.00	-2.10	132.00	-3.50	157.00	-4.20	182.00	-4.80
207.00	-5.20	229.70	-5.70	254.12	-6.00	273.10	-6.20	291.62	-4.50
311.26	-3.50	332.46	-3.70	351.20	-4.10	369.81	-4.50	400.39	-5.40
420.25	-6.20	439.67	-6.80	457.77	-7.40	491.47	-8.40	511.60	-9.00
534.56	-9.50	553.62	-9.90	588.98	-11.00	607.36	-11.70	625.60	-12.10
644.19	-12.60	674.91	-13.60	694.93	-14.30	713.21	-14.70	732.09	-15.30
750.33	-15.60	769.27	-16.10	787.33	-16.70	805.86	-17.20	824.05	-18.00
842.85	-19.20	861.90	-19.20	892.61	-18.40	915.51	-19.50	939.89	-19.60
958.09	-18.70	986.71	-18.30	1009.94	-17.90	1028.19	-18.20	1056.16	-17.60
1078.00	-18.00	1097.85	-18.70	1130.58	-18.50	1152.65	-18.20	1179.88	-18.60
1206.09	-18.90	1226.88	-19.30	1245.59	-19.70	1265.51	-20.20	1291.15	-19.70
1311.21	-19.90	1334.51	-20.10	1352.88	-20.60	1372.90	-20.60	1391.49	-20.50
1414.23	-20.30	1433.04	-20.10	1455.63	-19.90	1482.43	-20.40	1511.44	-20.50
1529.49	-20.30	1553.51	-20.40	1576.85	-20.20	1604.56	-20.30	1622.90	-20.70
1651.93	-21.20	1671.66	-21.80	1706.80	-22.50	1734.21	-23.10	1764.80	-22.60
1788.83	-22.30	1812.85	-22.70	1831.23	-22.90	1849.32	-23.10	1873.57	-22.90
1901.04	-23.30	1920.19	-23.60	1948.98	-23.50	1971.15	-23.30	1989.82	-23.40
2015.96	-23.60	2034.20	-23.00	2052.63	-23.30	2071.56	-23.20	2099.67	-23.10
2125.18	-23.70	2145.55	-22.70	2180.36	-22.30	2199.12	-22.10	2224.56	-21.80
2255.79	-21.70	2275.04	-22.20	2298.28	-21.00	2324.56	-20.80	2348.10	-21.00
2369.77	-21.10	2400.49	-21.10	2419.30	-21.60	2438.17	-22.30	2461.85	-22.80
2482.90	-23.00	2516.89	-23.40	2536.36	-24.30	2563.21	-24.90	2581.51	-24.90
2600.44	-25.10	2618.89	-24.30	2637.19	-23.60	2655.40	-23.40	2674.14	-22.50
2692.36	-22.00	2714.84	-21.00	2733.97	-19.70	2753.41	-20.20	2781.37	-19.60
2799.89	-19.30	2824.29	-19.50	2851.15	-19.70	2872.92	-20.00	2894.32	-19.60
2915.45	-19.10	2936.84	-18.70	2961.89	-19.30	2989.21	-20.40	3014.14	-22.10
3036.60	-22.20	3061.06	-23.20	3085.17	-24.70	3106.87	-24.50	3132.14	-25.00
3161.52	-24.80	3184.42	-24.60	3204.99	-24.90	3223.27	-25.00	3244.81	-25.20
3270.68	-25.30	3292.39	-25.80	3313.14	-26.30	3331.67	-26.70	3351.89	-26.90
3385.10	-28.50	3404.57	-29.20	3423.38	-29.90	3442.14	-30.70	3466.49	-31.50
3485.29	-33.00	3515.74	-33.60	3534.85	-33.80	3566.15	-34.20		
R-122		603784.49		946211.88		95.0	8.69		
	06NOV19	01NOV19	161	00	11	150			
003.59	8.60	005.04	7.20	026.63	6.50	039.84	5.00	054.76	3.30
070.00	1.60	090.00	-1.30	105.00	-3.00	130.00	-3.70	155.00	-4.10
181.00	-4.50	210.72	-5.30	232.44	-5.80	250.72	-5.50	269.42	-4.80
287.66	-3.70	321.34	-3.80	345.16	-3.90	376.43	-4.70	397.09	-5.00
415.28	-5.80	434.32	-6.50	462.53	-7.60	484.39	-8.30	502.54	-9.10
525.30	-9.70	552.51	-10.80	572.40	-11.30	591.23	-12.00	612.15	-12.60
638.52	-13.40	658.96	-14.10	677.52	-15.20	698.64	-15.90	717.98	-16.00
747.34	-15.90	766.15	-16.10	790.12	-16.00	809.97	-15.80	836.88	-16.70
867.22	-16.80	901.20	-17.10	921.74	-17.10	944.08	-17.10	964.40	-18.50
985.59	-19.80	1006.63	-18.60	1029.91	-18.10	1064.65	-17.70	1084.72	-17.90
1102.82	-18.40	1121.86	-17.70	1156.19	-17.90	1191.97	-19.00	1210.42	-18.50
1228.81	-19.00	1248.02	-19.70	1283.91	-21.40	1304.00	-20.60	1330.68	-20.40
1351.36	-20.40	1379.52	-20.40	1397.61	-20.70	1426.16	-21.00	1448.85	-21.80
1468.53	-22.60	1501.74	-23.10	1522.28	-23.30	1550.10	-23.20	1569.61	-23.20
1598.64	-23.50	1632.07	-23.90	1653.01	-24.80	1682.36	-25.00	1715.61	-24.60
1735.64	-25.10	1755.85	-25.40	1775.43	-25.60	1799.68	-25.90	1817.70	-26.10
1847.60	-26.10	1865.63	-26.40	1886.44	-26.40	1916.26	-26.60	1940.92	-26.60
1966.58	-26.20	1985.74	-25.80	2004.04	-25.40	2022.19	-25.60	2054.57	-24.60
2072.92	-24.30	2093.68	-23.90	2119.85	-23.40	2138.76	-23.00	2170.14	-23.50
2189.22	-23.10	2208.79	-23.60	2232.48	-23.50	2250.63	-23.60	2270.90	-24.00
2289.07	-24.60	2316.44	-24.80	2350.58	-25.00	2370.01	-25.30	2394.82	-25.00
2416.74	-24.50	2435.69	-24.20	2467.74	-24.30	2487.15	-23.70	2505.21	-24.60

2536.72	-24.90	2555.07	-24.40	2575.93	-24.10	2595.27	-23.60	2623.56	-23.20
2641.89	-22.00	2662.76	-21.50	2682.33	-20.70	2705.78	-20.40	2733.08	-20.00
2751.32	-19.80	2769.95	-21.10	2801.62	-21.40	2820.56	-21.90	2848.39	-22.40
2878.22	-22.20	2897.73	-21.60	2915.92	-21.00	2936.90	-21.10	2968.20	-20.70
2989.47	-21.00	3019.62	-22.90	3038.01	-22.20	3056.24	-21.90	3076.81	-23.70
3095.66	-25.00	3114.28	-25.90	3132.76	-26.00	3155.60	-26.60	3189.60	-26.30
3209.15	-26.60	3228.57	-28.40	3261.87	-28.40	3294.34	-28.10	3316.06	-27.40
3339.49	-27.90	3375.35	-28.90	3396.27	-29.90	3416.13	-29.00	3439.17	-30.10
3458.28	-30.90	3486.53	-31.70	3505.18	-31.90	3538.22	-33.30	3557.43	-33.20
3575.63	-33.60	3595.21	-34.00	3616.13	-34.10	3635.40	-33.70	3655.66	-33.10
3678.20	-32.90								
R-123		602768.51	946132.24	95.0	7.32				
08NOV19	01NOV19	161	00	11	150				
004.14	7.60	004.83	6.00	009.88	6.20	029.98	6.50	043.00	6.50
062.00	4.00	085.00	0.10	107.00	-1.70	117.00	-3.30	139.00	-4.10
161.00	-4.60	181.38	-4.90	203.24	-5.00	223.36	-4.80	246.10	-5.40
272.04	-5.30	290.38	-5.30	316.71	-5.50	339.33	-5.60	362.66	-3.60
394.86	-3.80	419.54	-4.30	454.84	-5.00	475.72	-5.60	494.82	-6.50
515.23	-7.10	546.64	-8.30	564.74	-8.90	582.77	-9.60	601.71	-10.30
622.02	-10.90	641.59	-11.40	659.84	-11.90	678.28	-12.40	696.56	-12.80
721.88	-14.00	744.37	-14.30	763.51	-14.90	781.96	-15.60	815.17	-16.40
833.68	-17.10	852.07	-18.00	872.01	-19.10	890.51	-19.60	916.21	-20.10
934.58	-20.20	952.78	-19.90	978.96	-19.90	997.36	-20.80	1015.72	-21.60
1035.07	-20.60	1069.04	-21.10	1097.56	-22.20	1117.58	-22.90	1138.58	-22.60
1163.98	-21.50	1187.37	-21.30	1221.75	-21.40	1252.05	-21.40	1275.06	-21.50
1293.11	-21.60	1316.68	-21.70	1349.30	-22.00	1369.23	-22.00	1387.39	-21.90
1412.79	-21.80	1434.65	-22.50	1453.07	-22.00	1476.91	-22.20	1509.33	-22.40
1534.77	-23.20	1553.63	-22.10	1574.73	-22.70	1592.84	-23.40	1620.45	-24.40
1639.41	-24.00	1659.10	-23.90	1689.85	-24.40	1708.30	-23.40	1729.19	-23.70
1747.38	-24.20	1772.81	-24.60	1791.20	-24.40	1810.16	-25.40	1834.07	-25.20
1858.88	-25.30	1881.93	-25.40	1903.20	-25.60	1921.77	-26.10	1956.09	-26.20
1975.19	-25.60	1994.27	-25.20	2012.35	-25.30	2032.69	-25.00	2052.66	-25.10
2086.24	-25.10	2104.64	-24.70	2138.73	-24.50	2174.93	-25.90	2193.75	-26.30
2218.42	-24.70	2247.93	-24.70	2271.66	-24.90	2291.27	-24.70	2309.31	-25.20
2329.71	-24.20	2354.24	-23.60	2377.72	-23.00	2404.68	-22.40	2435.03	-22.80
2455.28	-22.30	2477.34	-22.90	2498.33	-23.40	2516.72	-24.10	2538.56	-24.60
2558.99	-24.00	2578.95	-23.20	2598.32	-22.90	2617.69	-22.80	2636.15	-21.10
2657.79	-20.60	2684.37	-19.90	2703.71	-18.70	2722.35	-18.40	2740.55	-19.10
2759.03	-19.40	2785.34	-19.80	2807.88	-20.80	2830.33	-20.90	2856.52	-21.60
2874.58	-21.60	2896.07	-22.50	2922.57	-21.70	2944.43	-21.00	2965.30	-20.70
2993.09	-21.10	3017.76	-21.10	3038.16	-21.40	3067.66	-24.30	3100.46	-25.30
3122.92	-25.90	3143.05	-26.60	3167.39	-26.50	3195.81	-26.20	3224.98	-27.10
3247.15	-26.40	3268.23	-26.70	3290.46	-27.50	3314.15	-28.40	3338.12	-29.00
3362.00	-29.90	3380.63	-30.90	3400.60	-31.80	3430.91	-32.30	3452.64	-31.90
3474.30	-31.50	3497.65	-31.40	3521.09	-31.40	3539.53	-31.30	3561.00	-31.90
3583.55	-32.30								
R-124		601672.84	945912.14	95.0	11.19				
08NOV19	01NOV19	154	00	17	137				
066.43	12.40	078.36	11.20	092.69	7.70	117.37	7.00	138.83	6.70
154.81	5.60	164.65	4.60	185.00	2.60	205.00	-0.10	221.00	-2.10
228.00	-3.50	246.00	-4.40	269.00	-5.00	292.00	-5.20	311.00	-5.60
333.00	-6.10	353.00	-6.60	385.63	-7.20	403.80	-6.50	438.58	-3.70
462.55	-4.20	482.85	-4.20	501.73	-4.90	528.91	-5.10	554.79	-5.70
589.02	-6.60	607.88	-7.40	626.86	-7.60	646.41	-8.30	681.84	-9.20
699.99	-9.90	718.65	-10.40	736.96	-11.10	763.94	-12.10	782.65	-12.60
801.08	-13.30	823.05	-13.90	846.85	-14.90	870.44	-15.40	888.52	-15.90
911.69	-16.60	946.59	-18.30	966.16	-18.90	984.98	-19.30	1003.22	-19.80
1031.59	-21.20	1050.17	-21.50	1069.20	-21.50	1091.90	-21.90	1115.51	-21.90
1134.45	-22.10	1169.37	-22.30	1187.56	-22.50	1211.79	-22.80	1230.57	-23.00
1252.40	-23.40	1271.59	-23.90	1304.10	-24.10	1324.54	-23.80	1342.89	-24.30
1368.36	-24.00	1402.53	-23.70	1425.00	-23.40	1456.66	-23.10	1478.66	-22.90
1504.25	-23.10	1538.51	-22.40	1561.54	-22.90	1583.71	-22.90	1603.24	-23.50
1638.99	-23.50	1668.64	-24.80	1704.46	-25.00	1725.98	-25.20	1744.19	-25.60
1762.22	-24.30	1780.47	-25.10	1799.80	-24.90	1818.48	-25.80	1847.16	-26.60
1866.22	-26.80	1890.16	-26.80	1915.75	-26.90	1935.95	-26.40	1954.11	-26.80
1978.67	-26.80	2010.11	-26.80	2040.58	-27.00	2060.44	-26.70	2091.16	-25.90
2112.60	-25.70	2145.96	-25.50	2172.87	-25.20	2202.31	-25.40	2221.73	-25.90
2242.51	-26.30	2269.86	-27.00	2293.82	-27.10	2312.75	-27.20	2337.74	-26.60
2359.25	-26.50	2377.98	-25.70	2404.60	-25.40	2423.88	-25.70	2444.54	-26.10

2473.96	-25.40	2495.64	-25.80	2514.65	-25.00	2535.14	-23.70	2556.03	-23.10
2590.23	-22.30	2610.93	-21.80	2628.96	-20.40	2651.18	-19.60	2671.96	-18.60
2702.98	-19.00	2730.68	-19.00	2750.30	-19.90	2770.04	-19.50	2791.32	-20.30
2813.77	-21.60	2840.46	-22.80	2868.65	-22.30	2903.28	-21.60	2932.02	-21.30
2950.53	-20.80	2969.77	-20.20	2988.35	-20.80	3007.26	-20.50	3025.53	-21.30
3043.58	-22.70	3061.74	-23.40	3079.80	-24.70	3104.72	-25.10	3123.30	-26.60
3142.78	-26.80	3160.80	-28.30	3180.35	-28.20	3199.67	-27.90	3221.29	-29.10
3240.66	-28.50	3267.23	-29.00	3293.80	-29.40	3326.42	-29.80	3344.60	-29.70
3375.94	-30.40	3394.59	-30.90	3416.08	-31.40	3441.78	-31.70	3460.99	-32.60
3480.98	-33.30	3499.43	-34.10	3519.66	-35.00	3542.37	-35.00		
R-125		600600.84		945729.14		95.0	6.35		
	08NOV19	01NOV19	153 00	15 138					
179.17	6.80	190.72	7.60	204.56	8.50	211.89	7.40	219.00	7.10
239.67	6.90	249.91	5.90	270.00	3.60	296.00	0.10	313.00	-1.90
319.00	-3.20	340.00	-3.80	363.00	-4.00	387.00	-4.50	413.00	-4.80
439.54	-5.70	460.12	-6.50	482.42	-6.50	502.95	-7.10	530.47	-7.40
548.61	-7.40	574.16	-7.30	593.00	-6.40	611.26	-5.00	629.31	-4.70
649.66	-5.20	682.31	-6.60	701.96	-7.50	720.46	-8.20	738.69	-9.20
769.75	-10.40	789.14	-11.10	807.45	-12.00	826.34	-12.90	850.82	-13.80
872.81	-14.20	891.65	-14.80	909.93	-15.50	929.62	-15.60	947.84	-16.00
966.28	-16.80	989.25	-17.20	1007.32	-17.90	1042.79	-19.50	1060.90	-20.70
1079.27	-21.30	1108.47	-21.40	1137.20	-21.40	1172.22	-21.60	1202.96	-21.80
1233.48	-21.80	1251.78	-21.50	1270.21	-21.80	1294.93	-21.90	1319.83	-22.30
1342.03	-22.30	1366.98	-22.30	1401.92	-22.60	1426.75	-22.50	1450.38	-21.90
1484.83	-22.60	1516.49	-22.40	1541.86	-21.80	1576.98	-21.90	1596.20	-22.10
1614.50	-22.90	1637.08	-22.80	1655.82	-22.50	1674.23	-22.30	1692.74	-22.70
1711.97	-22.90	1730.46	-23.30	1758.39	-23.90	1790.90	-24.10	1825.50	-23.40
1850.54	-22.90	1868.62	-23.20	1888.42	-23.50	1906.52	-23.30	1931.05	-23.80
1956.54	-22.90	1977.58	-23.40	2012.59	-23.40	2039.62	-23.40	2069.88	-23.50
2103.91	-23.60	2126.34	-22.80	2152.31	-23.00	2174.00	-23.10	2200.49	-23.00
2219.11	-22.60	2238.20	-23.10	2258.08	-22.60	2287.55	-23.50	2311.22	-22.30
2341.24	-22.40	2360.73	-23.30	2379.93	-23.10	2409.29	-23.90	2431.86	-24.40
2452.81	-24.80	2470.82	-25.30	2489.88	-25.80	2508.92	-26.10	2526.94	-26.30
2546.89	-26.20	2574.52	-25.50	2597.26	-24.40	2615.65	-23.60	2643.64	-23.10
2663.82	-22.50	2684.83	-22.20	2704.94	-22.20	2723.08	-22.90	2744.13	-23.60
2768.36	-24.00	2786.39	-24.20	2805.85	-24.00	2831.14	-23.10	2855.78	-22.90
2881.96	-22.40	2908.12	-22.80	2928.21	-23.60	2948.39	-22.80	2967.97	-22.20
2986.23	-21.60	3006.20	-22.00	3036.35	-21.80	3063.18	-21.80	3088.24	-22.30
3116.69	-24.10	3134.80	-24.60	3154.44	-26.20	3173.69	-26.70	3193.14	-27.60
3215.43	-28.10	3233.75	-28.60	3251.81	-28.10	3287.33	-27.10	3305.34	-27.30
3333.46	-27.40	3358.86	-27.90	3394.61	-28.30	3419.48	-28.20	3439.96	-29.00
3460.14	-29.50	3485.38	-29.90	3506.92	-30.40	3537.99	-30.70	3566.90	-30.40
3587.30	-30.80	3606.57	-30.10	3627.94	-30.10				
R-126		599589.84		945861.14		95.0	7.66		
	08NOV19	01NOV19	158 00	17 141					
024.95	8.00	038.23	8.10	049.77	7.40	063.80	6.80	080.05	5.40
089.85	4.70	110.00	2.90	133.00	-0.20	146.00	-1.90	152.00	-3.10
172.00	-3.50	192.00	-4.20	214.00	-4.90	230.00	-5.50	252.00	-6.00
275.00	-6.40	298.00	-6.10	313.01	-4.90	333.00	-3.90	355.30	-4.00
382.30	-4.40	400.67	-4.50	418.70	-5.40	448.02	-6.60	470.26	-7.60
490.43	-8.20	511.60	-8.40	532.82	-8.70	558.60	-9.10	577.49	-9.80
599.33	-10.30	620.90	-11.10	640.76	-11.00	659.36	-11.50	677.62	-12.20
696.45	-12.80	716.97	-13.60	737.11	-14.30	757.48	-14.70	776.84	-15.40
800.16	-16.10	819.19	-16.40	838.55	-16.90	857.34	-17.60	878.00	-18.00
913.72	-20.10	941.19	-20.10	962.54	-19.90	983.74	-20.10	1015.01	-20.00
1036.18	-20.60	1056.31	-20.90	1082.54	-21.60	1106.90	-21.60	1126.25	-21.30
1146.17	-21.20	1179.23	-21.70	1197.68	-21.50	1216.30	-22.10	1236.04	-22.10
1255.94	-22.10	1278.28	-22.10	1304.19	-21.90	1330.57	-22.80	1357.43	-22.40
1376.28	-22.90	1395.07	-22.80	1415.66	-22.90	1436.23	-23.00	1460.09	-22.90
1490.44	-22.60	1508.93	-23.60	1529.28	-23.10	1556.54	-22.30	1576.81	-23.30
1596.32	-23.80	1624.34	-24.30	1646.34	-24.50	1666.84	-24.30	1693.37	-23.90
1714.31	-23.80	1743.28	-23.80	1764.40	-23.80	1782.94	-23.90	1806.71	-23.70
1825.20	-23.90	1857.15	-24.20	1890.01	-24.30	1912.10	-24.40	1930.57	-23.80
1949.64	-23.90	1977.25	-24.20	1997.32	-25.10	2021.87	-25.40	2042.01	-25.40
2062.62	-25.70	2082.73	-24.00	2105.21	-23.30	2124.58	-22.20	2143.78	-22.10
2171.69	-22.80	2197.93	-23.60	2229.57	-23.90	2262.59	-24.30	2288.39	-24.60
2315.93	-24.40	2338.41	-23.50	2357.59	-22.30	2381.69	-21.80	2399.70	-20.30
2418.04	-19.80	2442.62	-19.10	2469.86	-18.90	2492.40	-19.30	2527.97	-19.80
2547.03	-19.90	2566.63	-20.80	2590.35	-20.90	2611.04	-21.90	2636.03	-21.90

2660.23	-21.70	2678.61	-21.20	2698.28	-20.80	2730.78	-20.30	2753.52	-20.10
2771.78	-20.40	2795.03	-20.60	2831.09	-20.80	2857.94	-21.00	2877.73	-20.60
2897.12	-21.30	2926.98	-21.40	2950.55	-22.30	2978.45	-23.80	3001.71	-25.40
3020.47	-25.80	3050.39	-27.00	3073.96	-26.80	3094.91	-26.30	3118.81	-26.30
3149.62	-26.40	3172.25	-26.20	3202.70	-26.90	3221.60	-27.00	3243.21	-27.20
3270.90	-27.50	3290.85	-27.60	3314.74	-27.10	3334.20	-27.50	3360.29	-27.80
3384.12	-27.50	3403.09	-27.90	3427.65	-28.40	3448.17	-28.90	3475.82	-29.80
3495.24	-30.20	3515.96	-30.90	3534.55	-31.40				

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037.94	9.10	043.62	8.80	053.78	7.80	074.82	6.60	085.00	5.80
105.00	3.50	127.00	0.60	146.00	-1.80	154.00	-3.10	174.00	-3.80
197.00	-4.20	218.00	-4.50	236.00	-4.80	258.00	-5.30	277.06	-6.20
300.84	-6.50	323.67	-6.30	341.77	-5.90	360.81	-5.20	384.32	-4.60
415.52	-4.60	437.95	-6.20	457.70	-7.30	475.95	-7.60	495.03	-8.10
514.12	-8.80	546.67	-9.00	569.94	-9.50	596.52	-9.90	614.89	-10.40
634.34	-10.90	652.35	-11.40	670.71	-12.30	693.89	-12.60	713.58	-13.40
731.77	-13.80	750.07	-14.50	769.72	-15.10	793.44	-15.80	817.99	-16.10
836.36	-16.80	855.43	-17.20	873.65	-16.90	893.49	-17.00	912.09	-18.40
935.74	-18.50	965.14	-18.50	994.18	-18.40	1022.69	-18.30	1042.71	-18.40
1065.07	-18.50	1088.61	-18.40	1116.92	-17.90	1139.52	-17.90	1160.69	-17.90
1179.06	-19.30	1203.03	-19.00	1223.49	-19.30	1252.31	-20.10	1272.31	-20.30
1294.48	-20.70	1313.46	-21.40	1338.10	-21.30	1356.94	-21.60	1375.42	-21.80
1398.54	-22.10	1418.19	-22.70	1439.51	-22.30	1457.61	-22.70	1480.14	-24.00
1500.72	-23.40	1528.75	-24.70	1564.69	-24.80	1585.04	-25.50	1606.51	-26.00
1636.93	-26.20	1663.26	-26.50	1688.71	-26.70	1713.88	-27.00	1733.37	-27.00
1760.53	-26.90	1778.76	-26.60	1796.79	-26.70	1822.67	-26.60	1843.57	-26.20
1861.96	-25.60	1880.33	-25.30	1909.51	-24.90	1928.16	-24.40	1962.76	-24.50
1991.20	-24.20	2012.24	-23.90	2033.84	-23.70	2053.45	-23.30	2071.58	-22.90
2095.94	-22.90	2114.13	-22.80	2135.72	-22.30	2161.57	-22.20	2186.21	-22.40
2204.33	-23.70	2222.75	-24.30	2254.41	-24.90	2279.51	-25.50	2306.24	-25.40
2329.24	-25.70	2361.82	-25.50	2386.17	-25.20	2407.02	-23.20	2426.42	-22.20
2449.18	-20.90	2484.52	-20.60	2503.21	-20.20	2522.81	-18.90	2543.99	-18.30
2563.75	-18.00	2585.54	-17.30	2606.10	-17.80	2628.34	-18.40	2647.22	-18.50
2670.61	-18.80	2694.80	-20.00	2716.98	-20.80	2744.26	-20.40	2762.58	-21.80
2787.17	-21.30	2810.39	-20.40	2840.91	-20.00	2870.73	-20.30	2906.86	-19.80
2925.92	-19.80	2946.94	-19.70	2968.98	-19.50	2991.00	-20.10	3011.20	-20.60
3032.57	-23.10	3055.47	-24.00	3074.20	-25.40	3105.72	-26.50	3124.01	-27.70
3146.75	-29.20	3166.41	-29.40	3184.74	-29.60	3204.29	-29.80	3226.08	-29.60
3250.76	-28.90	3273.58	-28.50	3294.56	-28.70	3319.77	-29.00	3351.76	-28.80
3374.46	-29.00	3393.06	-29.50	3418.37	-29.40	3436.45	-30.00	3465.28	-30.40
3484.31	-30.20	3506.64	-30.90	3525.03	-30.50	3554.17	-30.90		

R128 597641.63 945749.61 95.0 7.95

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044.38	10.10	051.90	7.70	055.77	7.00	072.30	7.20	074.87	6.80
084.79	6.00	107.00	3.60	131.00	-0.30	146.00	-1.70	151.00	-2.90
173.00	-3.60	196.00	-3.90	214.32	-4.70	238.28	-4.80	258.36	-5.20
282.50	-5.50	303.60	-5.90	328.03	-6.30	356.95	-6.60	380.80	-7.00
405.29	-7.30	423.77	-7.30	446.05	-7.10	464.91	-6.30	498.58	-5.70
518.68	-6.80	538.05	-7.90	573.15	-9.50	591.18	-10.20	610.23	-10.90
628.43	-11.60	652.40	-12.40	670.95	-13.20	698.41	-13.80	717.59	-14.30
745.63	-14.90	764.32	-15.30	783.11	-16.30	801.37	-17.10	836.47	-17.20
856.88	-17.40	882.51	-17.30	901.29	-17.40	920.21	-17.60	942.69	-18.00
970.54	-18.20	990.07	-18.30	1011.80	-18.30	1031.07	-18.90	1049.75	-19.00
1068.97	-19.30	1096.63	-19.10	1115.06	-19.30	1139.31	-19.30	1158.16	-19.60
1178.77	-19.30	1198.58	-19.50	1220.73	-19.40	1240.07	-19.50	1258.71	-20.20
1283.13	-21.00	1303.81	-21.20	1322.73	-20.80	1341.79	-20.90	1373.64	-21.10
1398.21	-21.30	1421.83	-22.00	1442.04	-22.40	1460.08	-23.00	1479.04	-23.70
1498.82	-24.00	1522.56	-23.70	1541.82	-24.20	1565.30	-24.30	1583.34	-24.40
1602.13	-24.80	1620.43	-25.10	1643.23	-25.40	1663.94	-25.80	1682.52	-25.70
1708.38	-26.00	1737.36	-26.20	1766.93	-26.50	1786.72	-26.40	1805.06	-26.30
1823.59	-26.00	1848.44	-25.90	1868.80	-25.60	1895.17	-25.50	1924.40	-25.00
1947.68	-25.10	1976.40	-25.10	1994.48	-24.30	2013.18	-24.50	2038.08	-24.40
2070.19	-24.50	2094.32	-25.20	2122.81	-25.10	2141.79	-25.70	2161.18	-25.10
2179.34	-24.80	2197.99	-25.10	2222.30	-25.10	2241.60	-24.80	2270.37	-24.70
2293.39	-25.10	2311.53	-24.20	2333.58	-24.60	2352.16	-24.80	2370.43	-25.10
2391.91	-24.90	2410.89	-25.40	2433.04	-25.20	2452.95	-24.20	2471.59	-23.30
2490.58	-22.10	2509.07	-21.40	2533.64	-20.60	2559.68	-20.30	2587.13	-20.30
2607.65	-19.30	2626.62	-18.70	2647.25	-17.60	2678.36	-17.50	2700.71	-17.90

2736.18	-18.90	2766.49	-19.60	2793.43	-19.10	2811.62	-19.60	2835.23	-20.10
2856.76	-19.70	2880.61	-20.00	2913.56	-20.70	2934.43	-20.60	2955.33	-20.00
2977.48	-19.60	3012.39	-19.40	3038.33	-19.30	3060.51	-19.50	3095.94	-20.90
3116.86	-20.70	3138.42	-21.50	3166.59	-23.00	3196.76	-25.60	3216.41	-27.60
3239.86	-28.60	3268.92	-28.50	3294.64	-29.50	3313.58	-31.10	3332.21	-31.80
3351.15	-32.30	3374.90	-33.00	3397.28	-33.50	3419.04	-34.00	3455.10	-34.30
3476.13	-34.50	3494.15	-34.70	3515.82	-34.50	3535.36	-34.80	3562.92	-34.20
3583.22	-33.50								
R-2 DADE		596602.09		945772.70		95.0		7.44	
	08NOV19	01NOV19	161 00	15 146					
002.33	7.50	010.06	8.70	018.75	8.70	027.45	8.80	028.98	7.40
039.81	5.30	049.79	4.10	070.00	2.60	087.00	-1.10	107.00	-2.00
111.00	-3.20	134.00	-4.30	160.00	-4.80	181.00	-5.20	200.00	-5.70
234.70	-6.40	268.64	-6.60	292.05	-6.30	311.99	-5.70	335.51	-5.40
356.53	-4.90	384.05	-5.10	405.35	-5.60	424.36	-6.10	457.65	-7.00
475.69	-7.80	493.71	-8.00	512.65	-8.60	539.64	-9.20	560.33	-9.70
578.89	-10.20	598.19	-10.80	616.57	-11.00	635.82	-11.50	653.89	-12.10
672.24	-12.60	694.28	-13.10	716.52	-13.70	735.35	-14.10	753.51	-14.80
771.98	-15.50	790.02	-16.70	822.87	-16.70	843.77	-16.80	861.93	-17.00
886.95	-17.50	907.47	-18.00	931.59	-18.30	951.11	-18.70	972.55	-18.90
993.54	-19.20	1015.73	-19.40	1048.89	-19.80	1069.44	-20.60	1098.89	-20.40
1117.79	-20.70	1137.46	-21.30	1155.61	-21.50	1177.33	-21.60	1200.34	-22.60
1232.53	-23.10	1251.33	-23.50	1272.63	-23.60	1293.21	-24.10	1312.73	-24.00
1343.81	-24.20	1374.36	-24.70	1401.03	-25.00	1431.58	-25.20	1466.62	-25.50
1490.56	-25.30	1514.85	-25.50	1550.96	-25.50	1583.08	-25.20	1603.53	-25.10
1634.62	-24.70	1657.34	-24.10	1680.59	-23.90	1705.44	-23.70	1723.77	-23.60
1743.31	-23.60	1770.10	-23.90	1790.94	-23.80	1822.10	-23.50	1845.98	-23.20
1866.05	-23.10	1891.36	-22.60	1920.05	-22.40	1947.23	-21.90	1981.35	-22.10
1999.82	-21.80	2030.22	-22.40	2049.92	-22.80	2073.04	-22.00	2091.08	-22.30
2116.09	-22.40	2135.35	-22.80	2164.90	-23.00	2190.70	-23.40	2225.85	-24.10
2253.87	-23.60	2282.07	-23.90	2308.11	-23.20	2330.87	-23.50	2354.00	-23.80
2372.44	-24.60	2391.30	-24.90	2412.90	-25.40	2445.83	-25.10	2475.24	-25.00
2493.80	-24.30	2513.78	-23.50	2545.80	-22.10	2566.06	-21.10	2586.48	-20.90
2610.64	-21.30	2644.41	-20.80	2663.23	-20.10	2681.24	-18.40	2699.72	-17.40
2733.00	-17.50	2758.85	-17.20	2779.99	-18.00	2811.37	-18.10	2841.27	-18.60
2859.76	-19.30	2883.36	-20.10	2904.74	-21.00	2928.45	-21.00	2952.53	-21.00
2979.24	-20.60	3004.18	-20.70	3032.68	-21.00	3051.06	-20.10	3069.27	-20.50
3087.93	-21.20	3114.77	-20.10	3140.22	-19.70	3159.85	-19.60	3192.53	-21.10
3221.13	-23.30	3240.09	-24.60	3258.43	-25.40	3279.36	-27.70	3298.57	-28.30
3317.23	-28.80	3352.52	-28.60	3370.62	-29.20	3397.64	-29.30	3421.02	-29.70
3447.97	-29.70	3482.25	-29.70	3501.31	-29.60	3519.63	-29.20	3542.05	-28.40
3570.66	-28.50	3589.03	-28.20	3607.54	-29.10	3626.67	-29.20	3644.74	-29.50
3672.97	-29.10								
R-3 DADE		595501.05		945700.93		95.0		14.93	
	08NOV19	01NOV19	163 00	15 148					
030.03	7.50	046.12	7.80	057.80	8.80	064.28	8.60	070.92	7.90
089.97	6.70	099.78	6.10	120.00	3.70	140.00	0.90	161.00	-2.00
181.00	-3.30	204.00	-4.10	227.00	-5.00	251.00	-5.50	269.00	-6.10
281.40	-6.70	299.47	-7.20	318.69	-7.50	337.86	-7.00	355.90	-5.60
391.85	-4.70	413.55	-4.90	438.03	-5.50	457.95	-5.60	476.73	-6.10
495.05	-6.90	530.09	-7.90	548.88	-8.50	567.44	-9.10	586.94	-9.50
612.97	-10.40	631.44	-10.90	650.73	-11.60	676.22	-12.10	709.59	-12.90
728.84	-13.40	749.85	-13.90	768.23	-14.40	797.45	-15.10	815.88	-15.60
835.18	-16.10	854.53	-16.50	874.18	-16.80	893.08	-17.30	911.11	-17.90
930.40	-19.50	961.30	-19.60	986.99	-19.70	1009.16	-20.00	1030.54	-20.30
1054.04	-20.90	1081.02	-21.20	1109.65	-21.80	1137.76	-22.20	1162.39	-22.30
1183.94	-22.60	1211.93	-22.10	1231.26	-21.60	1249.92	-21.90	1269.16	-21.70
1288.51	-21.20	1306.98	-21.90	1340.36	-22.30	1362.83	-21.90	1389.55	-21.80
1424.60	-22.30	1452.91	-21.90	1479.07	-22.10	1511.36	-22.10	1529.95	-22.20
1548.10	-22.70	1567.25	-22.50	1587.03	-22.80	1609.05	-22.90	1627.76	-22.60
1648.77	-23.10	1678.54	-23.00	1699.35	-23.20	1720.09	-22.80	1740.85	-22.80
1772.01	-22.70	1796.11	-23.10	1824.85	-23.00	1843.76	-23.20	1863.75	-23.70
1887.62	-23.70	1907.30	-24.60	1927.13	-24.70	1945.47	-24.40	1963.96	-23.20
1989.40	-23.10	2023.02	-23.70	2054.98	-24.10	2073.21	-25.30	2103.56	-25.40
2121.68	-24.70	2150.61	-24.60	2169.49	-23.80	2191.79	-23.90	2210.22	-24.40
2231.16	-24.80	2250.07	-24.90	2269.42	-25.20	2300.11	-25.60	2318.43	-26.40
2338.26	-26.30	2359.40	-26.60	2379.08	-26.70	2400.75	-26.90	2423.96	-26.60
2442.85	-26.10	2476.00	-25.90	2494.29	-26.00	2529.97	-25.80	2555.48	-25.50
2574.99	-25.30	2593.67	-24.40	2612.73	-22.80	2630.99	-21.90	2650.32	-21.40

2684.51	-21.10	2704.84	-21.40	2725.97	-20.50	2744.63	-20.80	2771.40	-20.10
2793.33	-20.50	2825.40	-20.60	2844.35	-21.00	2877.63	-21.30	2897.70	-20.30
2919.46	-19.50	2941.61	-19.40	2962.65	-18.90	2981.73	-19.70	3001.29	-19.90
3019.84	-20.40	3041.16	-20.70	3059.92	-21.00	3080.43	-21.90	3102.04	-22.10
3120.18	-22.80	3140.69	-22.50	3164.78	-22.00	3193.50	-21.60	3214.96	-22.10
3233.35	-21.40	3254.66	-22.60	3276.14	-23.30	3294.24	-24.90	3316.71	-27.20
3336.16	-27.70	3356.40	-29.70	3374.94	-30.50	3397.72	-30.60	3418.18	-30.50
3437.91	-30.80	3457.63	-30.70	3476.35	-31.30	3508.21	-31.00	3536.57	-30.90
3563.34	-30.80	3582.09	-30.60	3601.09	-31.30				

R-4 DADE 594436.43 945582.99 95.0 11.36

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057.00	8.50	067.00	8.40	087.00	7.80	105.00	7.20	124.00	7.20
141.66	6.60	164.73	6.10	182.72	4.60	199.87	4.00	219.78	3.60
242.00	1.70	264.00	-1.20	285.00	-2.50	308.00	-4.00	329.00	-4.60
350.00	-5.10	375.00	-5.50	392.00	-5.90	399.04	-6.50	417.74	-7.00
440.08	-7.50	458.16	-7.20	476.56	-6.60	496.29	-4.60	514.93	-4.50
535.26	-5.10	555.64	-5.70	575.90	-6.50	596.08	-7.10	614.13	-7.80
639.80	-8.70	658.21	-8.90	683.17	-9.30	701.26	-9.80	735.71	-10.80
758.49	-11.20	776.97	-11.70	795.50	-12.40	825.47	-13.30	843.76	-13.80
863.63	-14.40	882.08	-15.00	907.04	-15.70	925.28	-16.40	947.03	-16.80
965.31	-17.40	986.75	-17.70	1006.71	-18.30	1027.01	-18.80	1045.17	-19.30
1064.27	-19.70	1100.03	-21.30	1121.09	-21.50	1150.12	-21.50	1178.17	-21.40
1200.15	-21.20	1221.88	-21.10	1243.37	-21.50	1275.17	-21.10	1306.61	-21.30
1328.44	-21.30	1361.43	-21.60	1382.67	-21.80	1401.42	-22.10	1419.65	-22.30
1438.06	-22.40	1472.26	-22.10	1496.29	-21.90	1516.55	-21.40	1535.06	-21.60
1560.67	-21.60	1581.65	-21.30	1600.07	-22.30	1620.30	-22.60	1643.30	-22.70
1667.31	-22.60	1685.86	-21.90	1709.45	-21.10	1745.08	-21.20	1763.28	-21.90
1796.83	-21.60	1818.50	-21.30	1840.23	-21.50	1865.24	-21.20	1886.52	-20.40
1907.14	-20.70	1929.32	-21.40	1947.63	-21.50	1965.98	-22.90	1984.26	-23.20
2006.06	-23.90	2027.11	-24.10	2045.58	-23.80	2079.37	-24.10	2103.59	-24.20
2126.97	-24.50	2149.48	-24.30	2172.79	-25.20	2202.13	-24.90	2223.76	-24.60
2246.04	-24.20	2272.67	-24.50	2301.22	-24.10	2319.42	-24.70	2347.92	-25.00
2371.66	-25.00	2390.07	-25.20	2411.16	-25.40	2436.61	-25.50	2454.77	-25.60
2475.91	-25.50	2498.31	-25.30	2517.26	-25.30	2547.53	-25.20	2570.54	-24.70
2594.68	-23.90	2613.11	-22.60	2632.13	-21.40	2652.87	-20.80	2683.54	-20.70
2701.59	-19.60	2721.57	-18.50	2744.71	-18.00	2762.99	-17.40	2798.70	-16.80
2823.33	-17.10	2853.52	-17.10	2883.30	-17.00	2911.97	-18.30	2930.11	-18.90
2955.64	-18.70	2992.01	-20.30	3010.63	-20.40	3034.18	-21.00	3054.02	-21.20
3079.16	-21.80	3097.52	-21.30	3118.95	-21.60	3142.24	-21.50	3175.89	-21.70
3193.98	-22.40	3214.66	-23.10	3235.00	-24.90	3259.46	-25.70	3286.80	-27.60
3309.93	-28.10	3328.07	-28.30	3346.66	-28.80	3365.36	-28.60	3384.70	-29.10
3415.56	-29.10	3437.32	-29.60	3455.76	-29.90	3475.55	-30.60	3495.34	-31.10
3514.46	-30.90	3535.36	-31.10	3559.92	-31.20	3579.60	-31.00	3603.63	-31.20

T-5 DADE 593357.48 945615.86 95.0 11.79

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058.38	9.20	066.14	10.80	074.54	10.40	091.93	8.70	102.74	6.90
114.84	6.70	124.92	5.90	147.00	3.40	169.00	0.70	190.00	-1.80
200.00	-3.30	224.00	-4.30	245.00	-4.90	267.00	-5.80	283.00	-6.40
303.00	-7.10	317.09	-8.00	336.15	-8.40	359.00	-8.00	377.98	-7.10
396.09	-5.40	421.56	-4.90	439.85	-5.20	461.58	-5.90	482.76	-6.80
515.74	-8.00	541.92	-8.70	560.86	-9.30	579.58	-9.90	608.53	-11.00
631.51	-11.40	650.82	-12.10	668.83	-12.80	686.85	-13.30	705.76	-13.80
724.55	-14.40	742.79	-15.10	761.05	-15.70	780.94	-16.30	802.70	-16.90
822.37	-17.80	845.39	-18.40	866.70	-19.30	887.32	-19.80	905.62	-21.30
934.92	-21.00	963.68	-21.00	982.67	-20.90	1005.39	-20.90	1035.99	-20.90
1058.79	-20.80	1080.89	-20.90	1103.38	-20.80	1128.44	-20.60	1158.06	-20.60
1182.82	-20.50	1204.18	-20.70	1223.02	-20.80	1257.01	-21.00	1275.12	-20.80
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Section 6

ASCII Raw Data XYZ Format File

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954817.32	688938.90	-2.0
954822.25	688938.03	-1.7
954844.90	688934.04	-2.8
954867.55	688930.04	-3.6
954889.22	688926.22	-4.4
954912.85	688922.06	-5.4
954929.59	688919.10	-6.2

954953.23	688914.94	-6.2
954978.83	688910.42	-8.5
955001.48	688906.43	-10.1
955022.16	688902.78	-11.2
954533.30	688046.95	8.9
954544.28	688045.01	8.6
954547.33	688044.47	9.6
954557.38	688042.70	9.4
954564.04	688041.53	11.3
954573.53	688039.85	11.1
954583.20	688038.15	10.4
954601.60	688034.90	10.9
954612.23	688033.03	9.7
954631.93	688029.56	9.4
954639.81	688028.17	9.5
954643.75	688027.47	8.0
954663.44	688024.00	7.9
954680.19	688021.05	7.8
954684.13	688020.35	5.0
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954824.95	687995.52	-3.8
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954923.43	687978.16	-8.3
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954974.64	687969.13	-11.1
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954517.52	687086.06	9.5
954532.79	687083.37	8.9
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954547.77	687080.73	7.4
954559.10	687078.73	6.7
954578.62	687075.29	6.7
954595.39	687072.33	5.4
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954384.44	686039.48	6.7
954403.89	686036.04	6.8
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954198.30	685172.40	10.5
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954256.39	685162.16	9.6
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954331.85	685148.85	3.0
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954073.43	684181.69	11.7
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954095.81	684177.74	8.3
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954128.32	684172.01	6.3
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954167.46	684165.11	4.2
954183.22	684162.33	2.8
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953875.58	683168.24	7.5
953895.79	683164.67	7.5
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953955.29	683154.18	7.9
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953981.88	683149.49	4.2

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953897.19	682324.11	6.9
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952381.20	670330.90	3.5
952401.20	670330.90	0.6
952412.20	670330.90	-0.9
952432.20	670330.90	-1.4
952456.20	670330.90	-2.2
952479.20	670330.90	-3.3
952498.20	670330.90	-3.8
952523.20	670330.90	-4.8
952547.20	670330.90	-5.9
952565.20	670330.90	-7.0
952584.20	670330.90	-8.1
952606.20	670330.90	-9.5
952628.20	670330.90	-10.8
952652.20	670330.90	-12.1
952131.17	669349.13	9.1
952138.28	669349.13	9.4
952142.03	669349.13	8.7
952149.96	669349.13	8.1

952161.45	669349.13	7.7
952174.43	669349.13	7.2
952191.86	669349.13	6.5
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952229.50	669349.13	6.8
952236.67	669349.13	6.6
952240.67	669349.13	4.2
952261.67	669349.13	3.3
952283.67	669349.13	0.9
952306.67	669349.13	-1.5
952331.67	669349.13	-2.4
952355.67	669349.13	-3.4
952379.67	669349.13	-4.0
952403.67	669349.13	-5.0
952428.67	669349.13	-6.2
952451.67	669349.13	-7.6
952476.67	669349.13	-8.9
952496.67	669349.13	-10.0
952512.67	669349.13	-11.1
952030.40	668215.14	12.4
952034.51	668214.78	12.9
952043.35	668214.01	12.2
952053.22	668213.14	11.1
952060.78	668212.48	9.8
952064.41	668212.17	9.7
952074.41	668211.29	7.8
952080.75	668210.74	7.2
952092.83	668209.68	6.9
952107.94	668208.36	7.2
952111.82	668208.02	7.3
952114.81	668207.76	4.5
952124.77	668206.88	3.6
952139.72	668205.58	4.0
952159.64	668203.83	1.1
952171.59	668202.79	-1.3
952189.53	668201.22	-1.9
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952235.35	668197.21	-3.5
952258.26	668195.21	-4.0
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952297.11	668191.81	-5.8
952321.02	668189.71	-7.4
952343.94	668187.71	-8.8
952365.85	668185.79	-10.2
952388.76	668183.79	-11.6
951972.28	667325.32	9.3
951977.79	667324.35	9.4
951981.87	667323.63	10.0
951989.50	667322.28	9.9
951998.39	667320.72	8.6
952006.35	667319.31	7.4
952018.07	667317.25	6.7
952037.70	667313.79	6.3
952042.87	667312.87	6.5
952046.81	667312.18	4.3
952066.50	667308.71	4.3
952077.33	667306.80	3.7
952101.96	667302.46	0.2
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952135.44	667296.55	-2.6
952163.01	667291.69	-3.3
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952269.37	667272.94	-8.3
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952303.84	667266.86	-10.4
951851.58	666330.42	8.9
951860.10	666328.14	8.8
951868.01	666326.02	10.8

951879.64	666322.90	8.9
951889.81	666320.18	6.8
951900.37	666317.35	6.1
951919.97	666312.10	6.0
951923.78	666311.08	6.0
951925.71	666310.56	4.5
951933.44	666308.49	3.4
951955.65	666302.54	3.2
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952018.44	666285.71	-2.1
952040.65	666279.76	-3.4
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951689.01	665356.19	8.9
951703.49	665354.92	8.4
951720.65	665353.42	7.9
951738.30	665351.88	7.5
951758.06	665350.15	7.3
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951774.24	665348.73	3.6
951793.17	665347.08	3.7
951801.14	665346.38	3.8
951824.05	665344.37	0.4
951847.96	665342.28	-2.1
951864.90	665340.80	-2.7
951897.77	665337.92	-3.8
951921.68	665335.83	-4.5
951944.59	665333.83	-5.5
951964.52	665332.08	-6.5
951989.42	665329.91	-8.1
952012.33	665327.90	-9.8
952037.24	665325.72	-11.1
951527.25	664303.66	10.4
951529.62	664303.02	10.2
951538.20	664300.72	8.3
951548.14	664298.06	7.0
951565.99	664293.28	5.5
951582.17	664288.94	5.4
951601.74	664283.70	6.2
951608.65	664281.85	6.4
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951627.96	664276.67	3.8
951640.52	664273.31	3.4
951661.77	664267.61	0.3
951675.29	664263.99	-1.8
951692.68	664259.33	-2.4
951712.97	664253.90	-3.0
951734.22	664248.20	-4.2
951755.47	664242.51	-4.8
951775.75	664237.07	-5.6
951797.00	664231.38	-7.0
951820.18	664225.17	-8.1
951844.33	664218.70	-9.4
951861.72	664214.04	-10.6
951883.93	664208.08	-12.0
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951394.40	663541.92	9.1
951403.35	663540.34	8.7
951403.60	663540.29	8.5
951406.09	663539.86	9.0
951417.97	663537.76	7.0
951428.93	663535.83	6.4
951446.61	663532.71	5.8

951463.90	663529.66	6.1
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951487.36	663525.53	6.7
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951510.01	663521.53	3.6
951522.82	663519.27	3.3
951539.56	663516.32	1.4
951559.25	663512.85	-1.5
951579.93	663509.20	-1.5
951606.52	663504.51	-3.6
951631.14	663500.17	-4.5
951657.73	663495.48	-7.5
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951221.81	662333.24	10.1
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951232.08	662331.43	10.0
951240.56	662329.94	10.0
951251.03	662328.09	9.4
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951285.89	662321.94	6.8
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951307.85	662318.07	7.3
951312.77	662317.20	4.6
951320.65	662315.82	4.2
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951367.92	662307.48	-0.7
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951138.47	661381.96	5.9
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951180.71	661374.51	4.4
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951214.20	661368.61	1.5
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950973.55	660407.58	10.3
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951007.10	660401.66	6.5
951026.63	660398.22	6.9
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950630.42	658359.87	10.4
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950660.96	658354.49	9.6
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950780.08	658333.49	5.8
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950513.94	651236.15	-6.6
950542.50	651231.12	-7.8
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950045.40	650335.94	11.1
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950050.70	650335.00	8.9
950062.04	650333.00	7.9
950079.30	650329.96	7.7
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950116.81	650323.35	7.7
950135.00	650320.14	7.4
950154.79	650316.65	6.9
950175.53	650312.99	7.0
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950237.58	650302.05	-2.0
950249.39	650299.97	-4.3
950269.09	650296.49	-4.6
950288.79	650293.02	-5.2
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950021.53	649148.23	8.2
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950357.49	649088.99	-4.8
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950367.05	648054.84	-4.5
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950114.76	645932.05	5.5
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949743.67	642231.75	8.2
949743.93	642231.75	7.8
949753.60	642231.75	7.5
949769.78	642231.75	7.4
949790.67	642231.75	7.2
949812.62	642231.75	7.2
949836.02	642231.75	7.3
949855.79	642231.75	7.4
949877.57	642231.75	7.6
949897.65	642231.75	7.8
949918.23	642231.75	8.1
949941.36	642231.75	8.3
949960.77	642231.75	8.6
949983.66	642231.75	8.8
950006.66	642231.75	6.1
950024.66	642231.75	3.6
950045.66	642231.75	2.6
950066.66	642231.75	0.8
950088.66	642231.75	-1.5
950112.66	642231.75	-3.3
950138.66	642231.75	-4.9
950164.66	642231.75	-6.5
950184.66	642231.75	-7.9
950211.66	642231.75	-9.0
950230.66	642231.75	-9.7
950251.66	642231.75	-10.7
950270.66	642231.75	-11.6
949708.47	641935.19	9.6
949713.09	641935.19	8.9
949718.26	641935.19	7.1
949728.64	641935.19	6.7
949747.69	641935.19	6.4
949765.05	641935.19	6.1
949783.45	641935.19	6.0
949798.49	641935.19	5.9

949815.44	641935.19	5.9
949835.96	641935.19	6.1
949852.91	641935.19	6.4
949871.97	641935.19	6.7
949890.01	641935.19	7.0
949906.69	641935.19	7.5
949927.30	641935.19	7.8
949945.30	641935.19	7.6
949967.30	641935.19	5.7
949992.30	641935.19	3.2
950019.30	641935.19	0.9
950044.30	641935.19	-1.7
950069.30	641935.19	-3.9
950095.30	641935.19	-5.7
950122.30	641935.19	-7.3
950138.30	641935.19	-8.1
950154.30	641935.19	-8.8
950175.30	641935.19	-9.6
950192.30	641935.19	-10.2
950208.30	641935.19	-10.7
950224.30	641935.19	-10.9
949608.91	641674.13	7.9
949617.03	641674.13	7.8
949631.50	641674.13	7.7
949646.45	641674.13	7.3
949662.34	641674.13	6.0
949678.60	641674.13	4.5
949696.55	641674.13	3.5
949714.26	641674.13	3.5
949734.86	641674.13	3.9
949754.36	641674.13	4.3
949774.40	641674.13	4.7
949795.37	641674.13	5.1
949814.78	641674.13	5.6
949835.04	641674.13	6.2
949857.06	641674.13	6.9
949876.23	641674.13	7.5
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949914.41	641674.13	7.2
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949954.41	641674.13	3.8
949977.41	641674.13	2.1
950001.41	641674.13	-0.7
950024.41	641674.13	-3.0
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950072.41	641674.13	-6.6
950096.41	641674.13	-8.4
950121.41	641674.13	-9.4
950145.41	641674.13	-11.0
950169.41	641674.13	-12.4
950189.41	641674.13	-13.3
950214.41	641674.13	-14.4
950230.41	641674.13	-15.0
949771.91	641320.90	4.7
949772.05	641320.90	6.0
949784.93	641320.90	4.6
949801.23	641320.90	4.7
949816.74	641320.90	4.9
949834.50	641320.90	4.9
949853.09	641320.90	5.0
949872.19	641320.90	5.5
949891.45	641320.90	5.7
949911.57	641320.90	5.8
949931.21	641320.90	6.0
949938.21	641320.90	5.8
949953.21	641320.90	1.6
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949995.21	641320.90	-2.4
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950041.21	641320.90	-5.1
950072.21	641320.90	-6.3

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950117.21	641320.90	-10.2
950134.21	641320.90	-11.3
950156.21	641320.90	-12.5
950191.21	641320.90	-14.3
949038.04	641410.89	5.1
949045.12	641402.47	5.5
949047.69	641399.40	4.5
949057.97	641387.15	2.5
949072.11	641370.29	-0.9
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949084.97	641354.97	-3.6
949097.18	641340.42	-4.1
949109.39	641325.86	-4.5
949128.03	641303.65	-4.8
949144.10	641284.50	-5.0
949159.53	641266.11	-5.2
949174.96	641247.73	-5.3
949191.03	641228.58	-5.5
949207.10	641209.42	-5.5
949223.17	641190.27	-5.4
949227.67	641184.91	-5.4
949240.52	641169.59	-5.5
949257.88	641148.91	-5.6
949273.95	641129.76	-5.4
949290.02	641110.61	-5.1
949305.44	641092.22	-4.6
949322.16	641072.30	-5.0
949338.87	641052.39	-5.7
949355.58	641032.47	-6.8
949369.72	641015.62	-8.2
949385.15	640997.23	-14.3
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948868.23	640252.13	7.1
948884.01	640251.03	5.7
948894.61	640250.29	5.2
948917.56	640248.68	2.2
948941.50	640247.01	-0.2
948964.44	640245.41	-1.6
948988.38	640243.73	-1.9
949014.32	640241.92	-2.3
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949042.25	640239.96	1.4
949049.23	640239.48	4.4
949055.22	640239.06	3.6
949062.20	640238.57	1.6
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948860.77	640140.94	3.7
948885.71	640139.20	-0.3
948906.66	640137.73	-2.0
948933.59	640135.85	-2.3
948957.54	640134.17	-2.8
948986.47	640132.15	-3.7
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948684.01	639866.82	8.6
948697.51	639865.88	10.3
948702.64	639865.52	9.7
948712.31	639864.85	10.0
948720.59	639864.27	8.0
948730.71	639863.56	7.3
948744.58	639862.59	6.4

948765.53	639861.12	2.6
948785.48	639859.73	0.0
948798.45	639858.82	-1.7
948821.39	639857.22	-2.4
948842.34	639855.75	-2.7
948868.28	639853.94	-3.5
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948664.04	639691.28	-1.9
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948475.56	639248.61	7.4
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948481.06	639248.22	3.8
948486.82	639247.82	3.3
948505.91	639246.48	1.2
948523.87	639245.23	-1.0
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948462.52	637982.87	-2.3
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948278.23	634704.03	8.9
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948261.16	634186.06	7.3
948264.46	634185.83	7.0
948274.45	634185.14	7.1
948276.49	634184.99	6.9
948279.48	634184.78	5.5
948296.44	634183.60	4.0
948316.39	634182.20	1.2
948336.34	634180.81	-0.1
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948199.61	633673.58	8.3
948214.52	633672.54	8.4
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948232.10	633671.31	5.2
948252.05	633669.91	3.3
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948294.95	633666.91	0.7
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946673.47	611055.57	9.1
946678.12	611055.16	8.5
946680.98	611054.91	7.6
946697.95	611053.43	6.6
946721.40	611051.38	6.4
946743.73	611049.42	6.2
946764.35	611047.62	4.7
946784.16	611045.89	2.6
946805.31	611044.03	0.6
946826.23	611042.20	-0.6
946849.14	611040.20	-1.5
946873.05	611038.11	-2.6
946904.93	611035.32	-4.2
946931.83	611032.97	-5.1
946951.75	611031.22	-5.6
946568.72	610055.24	7.4
946569.21	610055.19	5.5
946593.50	610053.07	5.8
946615.09	610051.18	6.4
946637.79	610049.19	6.4
946660.80	610047.18	6.4
946683.88	610045.16	6.5
946707.05	610043.13	6.8
946729.24	610041.19	6.6
946750.10	610039.37	5.3
946765.73	610038.00	3.7
946781.30	610036.64	2.8
946808.20	610034.29	-0.4
946832.10	610032.19	-2.9
946853.03	610030.36	-3.4
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946930.73	610023.57	-5.6
946958.62	610021.12	-6.3
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946584.01	609053.78	6.5
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946724.38	609041.50	2.2
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946546.12	606967.89	6.3
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953051.46	666014.46	-19.6
953118.80	668133.27	-19.4
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953444.40	646423.55	-22.5
953412.16	668090.13	-22.2
953424.38	646433.10	-22.1
953409.72	653019.64	-22.0
953451.92	665923.52	-21.8
953437.85	669351.04	-21.7
953484.75	665198.24	-21.6
953470.23	665919.60	-21.6
953448.81	668086.44	-21.6
953476.21	650711.81	-21.6

953419.16	669351.30	-21.5
953481.69	667060.32	-20.9
953476.50	668083.87	-20.8
953457.79	669350.12	-20.4
953439.40	670328.61	-19.6
953412.54	670328.48	-19.3
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953410.03	671080.75	-18.9
953407.87	674076.98	-18.9
953488.93	665915.38	-18.7
953443.77	674066.90	-18.4
953483.23	669348.76	-18.4
953488.76	674057.63	-18.4
953403.95	656875.47	-18.3
953413.71	654167.68	-18.2
953457.42	670329.53	-18.2
953425.80	674071.95	-18.2
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953424.09	656873.51	-17.6
953432.18	654165.92	-17.5
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953448.62	673207.14	-17.0
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953457.44	654791.17	-15.7
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953448.78	677165.09	-9.8
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953849.26	663121.37	-19.8
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953811.24	663122.18	-19.6
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953850.14	672021.67	-19.2
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954581.87	669357.93	-17.0
954633.69	676974.17	-16.9
954595.20	676978.87	-16.9
954615.47	676976.94	-16.8
954647.10	682190.24	-16.8
954593.64	662979.38	-16.7
954575.14	676980.52	-16.7
954599.70	669355.39	-16.6
954582.20	682197.72	-16.6
954653.35	670331.03	-16.5
954657.18	670856.83	-16.3
954628.50	682192.75	-16.3
954572.08	662979.20	-16.3
954600.68	682195.74	-16.3
954618.24	669353.18	-16.2
954621.19	670861.26	-16.2

954573.82	666867.20	-14.7
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954644.87	665094.75	-14.2
954593.10	666860.91	-14.1
954625.68	665099.03	-14.0
954612.07	666853.82	-13.8
954606.01	665104.20	-13.7
954653.41	685092.29	-13.5
954653.79	665583.15	-13.4
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954573.75	667995.68	-13.1
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954586.75	665109.38	-12.8
954617.04	665587.07	-12.4
954628.66	685098.63	-12.4
954651.39	666841.09	-12.3
954580.47	665594.17	-12.1
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954610.30	667989.92	-11.5
954604.55	685104.30	-11.4
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954657.54	685992.98	-8.9
954636.02	686001.22	-7.8
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954725.36	663448.90	-25.3
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954708.53	662949.09	-24.9
954688.75	662953.20	-24.7
954705.88	663452.25	-24.3
954668.80	661734.87	-24.0
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955434.57	680852.32	-21.3
955399.73	679947.30	-21.1
955446.43	679939.88	-21.1
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955396.82	680856.67	-20.7
955403.46	682887.31	-20.6
955441.67	682879.19	-20.5
955442.75	682051.57	-20.5
955416.49	682060.24	-20.5
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955446.09	677964.44	-20.4
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955461.70	682875.81	-20.2
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955426.25	677966.35	-19.6
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955432.43	679262.42	-19.3
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955404.44	684958.07	-19.1
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955425.29	684955.11	-18.9
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955457.56	688826.05	-18.5
955452.05	679258.44	-18.5
955463.87	686920.51	-18.5
955470.86	689707.25	-18.5
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955803.56	692899.03	-13.7
955774.48	693708.90	-13.7
955783.56	680788.06	-13.5
955823.57	692895.04	-13.5
955802.92	680784.43	-13.5
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955816.38	682828.39	-12.8
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955920.87	670630.65	-36.3
955902.90	670633.54	-36.2
955876.06	670635.80	-35.3
955870.96	671666.96	-35.2
955914.90	671651.74	-35.1
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955902.56	672765.15	-34.6
955860.92	673653.40	-34.6
955912.87	670335.74	-34.4
955907.48	673650.28	-34.4
955853.31	671672.21	-34.4
955868.27	670335.21	-34.4
955842.31	673655.49	-34.1
955879.42	673652.07	-34.1

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955831.91	670334.20	-32.8
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956222.22	688683.22	-13.5
956266.19	685704.33	-13.4
956229.01	685707.83	-13.2
956269.69	684804.14	-12.9
956277.52	687737.64	-12.9
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956247.76	688678.26	-12.7
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956250.83	684805.75	-11.9
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956279.57	695820.23	-7.7
956261.61	695821.72	-7.4
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956367.49	681890.40	-37.5
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956685.71	697634.64	-8.4
956667.53	697639.58	-7.8
956676.41	699765.07	-7.7
956818.60	680608.37	-41.9

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956779.63	680614.32	-41.0
956759.98	680618.19	-40.7
956739.94	680621.84	-40.3
956803.97	681811.94	-39.2
956775.41	681815.42	-39.2
956746.60	679052.21	-39.1
956756.43	681817.43	-39.0
956803.09	679698.70	-38.4
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956766.25	679705.78	-38.2
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956757.56	682658.22	-36.5
956814.01	682641.20	-35.4
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956795.44	682645.80	-34.9
956776.05	683705.53	-33.7
956757.39	683709.77	-33.6
956803.89	683698.81	-33.6
956814.42	686672.51	-32.1
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956762.99	685623.28	-30.5
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956753.26	686686.16	-29.0
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956752.61	692731.70	-23.6
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957263.46	691588.88	-26.2
957245.35	691592.25	-25.9
957227.67	691595.95	-25.3
957201.41	691602.16	-24.6
957268.41	692643.31	-23.9
957241.96	692649.39	-22.9
957220.64	692651.97	-22.1
957270.58	693441.93	-21.8
957202.28	692652.61	-20.7
957252.71	693445.62	-20.2
957234.48	693448.84	-17.8
957226.96	696680.64	-16.7
957208.44	696683.74	-16.4
957216.27	693452.02	-15.9
957256.06	696676.70	-15.9
957198.32	693455.15	-15.0
957192.79	694688.62	-14.7
957196.69	695663.62	-14.1
957217.01	695659.38	-13.5
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957233.54	697565.47	-12.9
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957252.05	697561.85	-12.5
957231.67	694684.06	-12.4
957251.17	694680.72	-12.3
957196.23	697569.65	-12.1
957270.10	694676.88	-12.0
957212.39	694686.49	-11.4
957270.36	697557.22	-11.2
957261.67	698618.04	-10.8
957243.21	698621.09	-10.3

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957197.34	699612.13	-9.9
957241.88	699654.40	-9.9
957225.58	698624.86	-9.9
957211.80	699556.77	-9.9
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957191.41	699632.88	-9.8
957218.72	699536.87	-9.7
957225.08	699509.55	-9.6
957232.96	699482.74	-9.6
957241.52	699456.06	-9.1
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957247.98	699436.09	-8.8
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957270.72	699360.23	-7.3
957323.53	683603.93	-41.9
957349.98	683597.14	-41.9
957340.58	682563.95	-40.7
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957287.62	682568.59	-40.5
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957288.26	683615.33	-39.4
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957763.44	691500.73	-33.5
957753.97	688408.09	-32.7
957783.33	688403.92	-32.6
957797.98	693341.05	-32.5
957762.07	693348.23	-32.0
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957735.75	693353.24	-31.3
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957804.02	689307.58	-30.6
957794.78	695572.06	-28.7
957804.73	694577.64	-28.2
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957808.94	696600.65	-25.9
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958506.46	696474.09	-35.6
958470.66	697336.67	-35.2
958486.57	696477.71	-34.9
958452.01	697339.31	-34.3
958467.86	696480.59	-33.9
958449.20	696483.67	-32.9

958523.00	699432.20	-27.9
958504.87	699433.39	-27.6
958530.61	698396.28	-27.4
958485.28	699435.36	-27.2
958465.25	699437.87	-26.9
958468.72	698413.69	-26.5
958505.08	698402.80	-26.5
958487.09	698407.91	-26.3
958451.15	698418.85	-26.0
958621.48	695413.67	-42.5
958564.37	693213.48	-42.4
958602.62	695417.98	-42.2
958546.20	693216.18	-42.1
958583.47	695421.66	-41.7
958564.31	695424.31	-40.9
958544.91	695425.78	-40.8
958614.99	694445.02	-40.6
958594.86	694446.15	-40.1
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958557.08	694443.63	-39.1
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958619.09	697314.78	-37.7
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958553.17	696465.34	-36.6
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958796.37	695386.05	-48.9
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946393.10	601630.16	-4.2
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947541.77	610985.38	-16.3
947543.31	613005.71	-16.3
947493.42	606882.47	-16.2
947483.90	607894.24	-16.2
947523.43	610984.58	-15.9
947473.55	612037.92	-15.7
947499.18	610985.45	-15.4
947473.28	606883.19	-15.3
947481.21	610986.64	-14.9
947520.45	613007.98	-14.9
947500.37	613009.33	-14.6
947478.33	613010.59	-13.9
947531.05	613945.36	-12.6
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947473.85	613950.72	-10.9
947520.77	614975.13	-10.0
947538.96	615968.57	-9.9
947518.19	615970.56	-9.8
947459.48	615980.14	-9.4
947499.23	614977.72	-9.4
947498.41	615974.16	-9.2
947479.71	615977.22	-8.9
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947548.06	617045.26	-8.1
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947529.59	617047.35	-7.5
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947523.44	619124.50	-6.5
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949434.92	613777.73	-24.9
949355.56	605601.40	-24.9
949423.23	604502.95	-24.8
949396.25	611868.56	-24.7
949386.26	613779.64	-24.7
949369.15	604511.83	-24.5
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949402.28	610814.32	-24.3
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949367.37	613780.65	-24.2
949430.21	627921.61	-24.1
949415.74	611865.39	-23.9
949401.58	606711.23	-23.8
949428.39	615804.82	-23.8
949406.81	612838.39	-23.5
949363.41	615811.44	-23.3
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949413.32	625984.66	-22.9
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949407.78	615806.82	-22.7
949364.84	606712.00	-22.1
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949380.69	625985.91	-21.9
949360.73	612841.83	-21.9
949432.26	629248.98	-21.8
949413.45	629249.79	-21.7
949392.83	627923.09	-21.6
949389.70	615808.76	-21.6
949430.16	626979.20	-21.5
949348.73	627924.88	-21.3
949368.52	631199.85	-21.3
949435.73	632081.02	-21.2
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949621.93	625942.33	-23.9
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Section 7
ASCII Straightened Data XYZ
Format File

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954636.75	687065.04	2.6
954661.37	687060.70	1.7
954670.24	687059.14	-0.5
954677.13	687057.92	-1.2
954696.83	687054.45	-1.9
954721.45	687050.11	-2.9
954745.08	687045.94	-3.7
954767.73	687041.94	-3.6
954797.28	687036.74	-6.0
954822.88	687032.22	-7.3
954848.49	687027.71	-6.7
954878.03	687022.50	-10.3
954909.55	687016.94	-11.6
954267.65	686060.07	11.0
954273.59	686059.02	10.9
954282.53	686057.44	10.9
954294.83	686055.28	10.8
954304.98	686053.49	10.2
954318.14	686051.17	9.6
954333.85	686048.40	9.0
954341.03	686047.13	8.4
954349.65	686045.61	8.0
954365.64	686042.79	7.4
954384.44	686039.48	6.7
954403.89	686036.04	6.8
954414.96	686034.09	6.9
954419.89	686033.22	4.4
954433.68	686030.79	3.0
954448.45	686028.19	2.6
954468.14	686024.72	0.5
954487.84	686021.24	-0.6
954514.43	686016.55	-2.2
954535.11	686012.91	-2.9
954558.75	686008.74	-3.3
954579.43	686005.09	-4.5
954598.14	686001.79	-5.7
954625.71	685996.93	-6.7

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954672.98	685988.60	-9.5
954697.60	685984.26	-10.9
954171.96	685177.05	9.8
954198.30	685172.40	10.5
954223.15	685168.02	11.1
954243.30	685164.47	12.4
954256.39	685162.16	9.6
954268.04	685160.10	7.7
954278.04	685158.34	7.3
954297.61	685154.89	7.3
954306.25	685153.37	7.1
954310.19	685152.67	4.6
954331.85	685148.85	3.0
954352.53	685145.20	0.8
954367.30	685142.60	-0.5
954370.26	685142.08	-1.1
954390.94	685138.43	-0.9
954414.58	685134.27	-2.4
954437.23	685130.27	-3.3
954466.77	685125.06	-4.4
954484.50	685121.94	-5.3
954508.13	685117.77	-6.4
954531.77	685113.60	-7.8
954554.42	685109.61	-8.9
954579.04	685105.27	-10.3
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954055.54	684184.84	11.1
954073.43	684181.69	11.7
954086.37	684179.40	10.7
954095.81	684177.74	8.3
954104.65	684176.18	7.0
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954128.32	684172.01	6.3
954147.06	684168.70	6.4
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954167.46	684165.11	4.2
954183.22	684162.33	2.8
954198.97	684159.55	2.2
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954232.46	684153.65	-1.8
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954279.73	684145.31	-3.1
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954403.81	684123.43	-9.1
954429.42	684118.92	-10.8
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953844.64	683173.69	7.4
953856.30	683171.64	7.3
953875.58	683168.24	7.5
953895.79	683164.67	7.5
953915.73	683161.16	7.9
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953955.29	683154.18	7.9
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953981.88	683149.49	4.2
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954007.49	683144.98	3.3
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954184.75	683113.72	-6.6
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953767.92	682346.90	10.2
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953918.86	682320.28	3.4
953941.51	682316.29	4.3
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953577.25	681187.99	8.7
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953723.71	681162.16	2.2
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953558.56	680274.24	4.6
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953159.38	677227.40	6.6
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953177.89	677224.14	5.0
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952006.35	667319.31	7.4
952018.07	667317.25	6.7
952037.70	667313.79	6.3
952042.87	667312.87	6.5
952046.81	667312.18	4.3
952066.50	667308.71	4.3
952077.33	667306.80	3.7
952101.96	667302.46	0.2
952115.74	667300.02	-1.6
952135.44	667296.55	-2.6
952163.01	667291.69	-3.3
952184.68	667287.87	-4.5
952205.36	667284.22	-5.2
952226.04	667280.58	-6.1
952246.72	667276.93	-7.2
952269.37	667272.94	-8.3
952288.08	667269.64	-9.4
951851.58	666330.42	8.9
951860.10	666328.14	8.8
951868.01	666326.02	10.8
951879.64	666322.90	8.9
951889.81	666320.18	6.8
951900.37	666317.35	6.1
951919.97	666312.10	6.0
951923.78	666311.08	6.0
951925.71	666310.56	4.5
951933.44	666308.49	3.4
951955.65	666302.54	3.2
951975.94	666297.10	0.8
951998.15	666291.15	-1.7
952018.44	666285.71	-2.1
952040.65	666279.76	-3.4
952063.84	666273.55	-4.4
952088.95	666266.82	-5.4
952113.10	666260.35	-6.7
952135.31	666254.40	-8.1
952159.46	666247.93	-9.7
952183.61	666241.46	-11.2
952202.93	666236.28	-12.3
952223.21	666230.84	-13.0
951682.87	665356.72	9.7
951689.01	665356.19	8.9
951703.49	665354.92	8.4
951720.65	665353.42	7.9
951738.30	665351.88	7.5
951758.06	665350.15	7.3

951765.28	665349.52	7.0
951774.24	665348.73	3.6
951793.17	665347.08	3.7
951801.14	665346.38	3.8
951824.05	665344.37	0.4
951847.96	665342.28	-2.1
951864.90	665340.80	-2.7
951897.77	665337.92	-3.8
951921.68	665335.83	-4.5
951944.59	665333.83	-5.5
951964.52	665332.08	-6.5
951989.42	665329.91	-8.1
951527.25	664303.66	10.4
951529.62	664303.02	10.2
951538.20	664300.72	8.3
951548.14	664298.06	7.0
951565.99	664293.28	5.5
951582.17	664288.94	5.4
951601.74	664283.70	6.2
951608.65	664281.85	6.4
951612.51	664280.81	4.3
951627.96	664276.67	3.8
951640.52	664273.31	3.4
951661.77	664267.61	0.3
951675.29	664263.99	-1.8
951692.68	664259.33	-2.4
951712.97	664253.90	-3.0
951734.22	664248.20	-4.2
951755.47	664242.51	-4.8
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951844.33	664218.70	-9.4
951861.72	664214.04	-10.6
951883.93	664208.08	-12.0
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951403.35	663540.34	8.7
951403.60	663540.29	8.5
951406.09	663539.86	9.0
951417.97	663537.76	7.0
951428.93	663535.83	6.4
951446.61	663532.71	5.8
951463.90	663529.66	6.1
951483.42	663526.22	6.6
951487.36	663525.53	6.7
951492.29	663524.66	4.3
951510.01	663521.53	3.6
951522.82	663519.27	3.3
951539.56	663516.32	1.4
951559.25	663512.85	-1.5
951579.93	663509.20	-1.5
951606.52	663504.51	-3.6
951631.14	663500.17	-4.5
951657.73	663495.48	-7.5
951221.81	662333.24	10.1
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951232.08	662331.43	10.0
951240.56	662329.94	10.0
951251.03	662328.09	9.4
951258.05	662326.85	8.4
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951285.89	662321.94	6.8
951305.91	662318.41	7.1
951307.85	662318.07	7.3
951312.77	662317.20	4.6
951320.65	662315.82	4.2
951334.44	662313.38	4.2
951349.21	662310.78	2.4
951367.92	662307.48	-0.7
951377.77	662305.74	-2.0

951397.47	662302.27	-2.6
951412.24	662299.67	-2.6
951431.93	662296.19	-3.7
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951550.11	662275.36	-9.3
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951091.37	661390.26	8.4
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951117.35	661385.68	9.8
951125.80	661384.19	7.3
951138.47	661381.96	5.9
951155.20	661379.01	6.3
951174.62	661375.58	6.8
951176.77	661375.20	6.9
951180.71	661374.51	4.4
951199.42	661371.21	4.3
951214.20	661368.61	1.5
951237.83	661364.44	-1.9
951260.48	661360.44	-1.3
951286.09	661355.93	-2.5
951311.69	661351.41	-3.4
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951356.99	661343.43	-4.9
951371.76	661340.82	-6.9
951391.46	661337.35	-7.0
951416.08	661333.01	-8.3
951440.70	661328.67	-9.5
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950956.70	660410.55	9.6
950956.90	660410.51	8.5
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950973.55	660407.58	10.3
950978.27	660406.74	10.5
950984.59	660405.63	8.9
950995.61	660403.69	6.8
951007.10	660401.66	6.5
951026.63	660398.22	6.9
951030.97	660397.45	4.4
951037.86	660396.24	3.7
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951149.15	660376.61	-3.6
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950833.35	659423.97	6.7
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950892.71	659413.50	7.0
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951160.58	659366.27	-10.0
951177.32	659363.32	-11.3
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950660.96	658354.49	9.6
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950692.36	658348.95	7.5
950709.71	658345.89	6.9
950729.16	658342.46	6.9
950748.25	658339.10	6.9
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950778.11	658333.83	7.2
950780.08	658333.49	5.8
950789.93	658331.75	4.5
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950829.32	658324.80	-1.6
950838.18	658323.24	-3.7
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950972.12	658299.62	-4.6
950992.80	658295.98	-5.4
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950578.86	657374.86	9.8
950583.23	657374.09	7.7
950595.34	657371.95	6.6
950611.99	657369.02	6.2
950632.09	657365.47	6.2
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950671.09	657358.60	7.1
950674.16	657358.05	7.1
950676.13	657357.71	5.4
950699.76	657353.54	2.7
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950740.14	657346.42	-2.7
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950529.06	656469.00	6.9
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950436.62	655328.62	8.3
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950263.94	649105.49	-4.2
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949757.28	647079.73	15.8
949757.44	647079.70	14.7
949764.47	647078.46	14.2
949778.85	647075.92	13.7
949792.10	647073.59	14.1
949799.30	647072.32	15.2
949806.70	647071.01	14.3
949825.84	647067.64	13.8
949845.84	647064.11	13.5
949865.50	647060.65	13.1
949885.71	647057.08	12.7
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949960.90	647043.82	11.0
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949985.44	647039.50	8.3
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950045.91	647028.83	6.3
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950095.21	641320.90	-9.0
950117.21	641320.90	-10.2
950134.21	641320.90	-11.3
950156.21	641320.90	-12.5
949038.04	641410.89	5.1
949045.12	641402.47	5.5
949047.69	641399.40	4.5
949057.97	641387.15	2.5
949072.11	641370.29	-0.9
949082.40	641358.04	-2.7
949084.97	641354.97	-3.6
949097.18	641340.42	-4.1
949109.39	641325.86	-4.5
949128.03	641303.65	-4.8
949144.10	641284.50	-5.0
949159.53	641266.11	-5.2
949174.96	641247.73	-5.3
949191.03	641228.58	-5.5
949207.10	641209.42	-5.5
949223.17	641190.27	-5.4
949227.67	641184.91	-5.4
949240.52	641169.59	-5.5
949257.88	641148.91	-5.6
949273.95	641129.76	-5.4
949290.02	641110.61	-5.1
948859.66	640252.73	8.2
948868.23	640252.13	7.1
948884.01	640251.03	5.7
948894.61	640250.29	5.2
948917.56	640248.68	2.2
948941.50	640247.01	-0.2
948964.44	640245.41	-1.6
948988.38	640243.73	-1.9
949014.32	640241.92	-2.3
949034.27	640240.52	-2.2
949042.25	640239.96	1.4
949049.23	640239.48	4.4
949055.22	640239.06	3.6
949062.20	640238.57	1.6
949070.18	640238.01	-5.4
949092.13	640236.48	-6.7
949111.08	640235.15	-7.4
949132.03	640233.69	-8.1
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949176.92	640230.55	-8.8
948859.77	640141.01	5.6
948860.77	640140.94	3.7
948885.71	640139.20	-0.3
948906.66	640137.73	-2.0
948933.59	640135.85	-2.3
948957.54	640134.17	-2.8
948986.47	640132.15	-3.7
949016.39	640130.06	-5.2
949039.34	640128.45	-6.6
949062.28	640126.85	-7.4
949085.22	640125.24	-8.3
948670.34	639867.78	8.5
948684.01	639866.82	8.6
948697.51	639865.88	10.3
948702.64	639865.52	9.7
948712.31	639864.85	10.0
948720.59	639864.27	8.0
948730.71	639863.56	7.3
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948765.53	639861.12	2.6
948785.48	639859.73	0.0
948798.45	639858.82	-1.7
948821.39	639857.22	-2.4
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948868.28	639853.94	-3.5
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948965.04	639847.17	-7.7
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948606.46	639695.31	4.0
948611.17	639694.98	3.5
948627.13	639693.86	2.2
948647.08	639692.46	0.1
948664.04	639691.28	-1.9
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948774.77	639683.54	-3.1
948796.72	639682.00	-3.9
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948489.92	639463.54	11.4
948494.97	639463.18	11.4
948507.39	639462.32	11.4
948522.43	639461.26	12.0
948523.85	639461.17	9.4
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948530.52	639460.70	4.4
948535.72	639460.34	3.6
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948463.12	639249.48	6.9
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948480.20	639248.28	7.5
948481.06	639248.22	3.8
948486.82	639247.82	3.3
948505.91	639246.48	1.2
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948573.75	639241.74	-3.5
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948622.63	639238.32	-4.7
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948577.33	638961.06	-5.9

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948637.19	638956.87	-8.3
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948417.79	638753.53	2.4
948436.51	638752.22	1.0
948459.46	638750.61	-0.5
948484.39	638748.87	-2.2
948508.34	638747.19	-3.2
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948111.61	630245.65	-2.7
948135.60	630244.82	-2.9

948157.58	630244.05	-3.1
948180.57	630243.24	-3.3
947767.14	629301.02	4.4
947772.13	629300.84	4.6
947787.13	629300.32	4.9
947805.11	629299.69	5.4
947819.11	629299.20	5.8
947839.09	629298.51	6.7
947857.08	629297.88	7.9
947868.08	629297.49	9.2
947871.07	629297.39	8.4
947875.07	629297.25	7.7
947881.07	629297.04	7.4
947885.07	629296.90	7.0
947903.05	629296.27	4.0
947925.04	629295.50	2.0
947948.03	629294.70	-0.8
947963.02	629294.18	-3.1
947989.00	629293.27	-4.0
948012.99	629292.43	-4.2
948037.97	629291.56	-4.2
948060.96	629290.76	-4.2
948085.94	629289.89	-4.6
948109.93	629289.05	-5.0
948135.91	629288.14	-5.7
947709.91	628226.82	8.8
947714.84	628225.95	7.0
947721.73	628224.74	7.0
947741.43	628221.26	6.5
947771.96	628215.88	6.2
947784.76	628213.62	6.0
947807.41	628209.63	6.2
947828.09	628205.98	6.6
947849.76	628202.16	7.0
947854.68	628201.29	6.7
947864.53	628199.56	5.7
947880.29	628196.78	3.6
947890.13	628195.04	2.9
947911.80	628191.22	1.0
947933.47	628187.40	-1.7
947948.24	628184.80	-3.6
947970.89	628180.80	-4.6
947996.49	628176.29	-5.0
948020.13	628172.12	-3.0
948042.78	628168.13	-2.9
948065.43	628164.13	-3.4
948090.05	628159.79	-4.0
948112.70	628155.80	-4.6
948136.34	628151.63	-4.5
948155.05	628148.33	-6.0
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948189.52	628142.25	-7.1
948208.23	628138.95	-7.5
948228.91	628135.31	-8.0
948262.39	628129.40	-8.9
948283.07	628125.76	-8.9
947742.68	627279.90	3.3
947743.66	627279.73	4.3
947744.65	627279.56	4.3
947745.63	627279.38	5.5
947751.54	627278.34	8.0
947756.46	627277.47	6.6
947761.39	627276.60	6.5
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947811.61	627267.75	4.0
947828.36	627264.80	3.1
947850.02	627260.98	0.6
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948009.56	627232.84	-4.2
948030.24	627229.20	-3.9
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948079.48	627220.52	-5.2
948100.16	627216.87	-5.8
948120.84	627213.22	-6.4
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947671.20	626289.44	5.2
947674.16	626288.92	5.4
947679.08	626288.05	7.6
947687.94	626286.49	7.5
947695.82	626285.10	8.4
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947702.72	626283.88	7.3
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947718.47	626281.10	5.7
947741.12	626277.11	3.6
947759.83	626273.81	1.5
947780.52	626270.16	-0.9
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947818.92	626263.39	-3.5
947845.51	626258.70	-3.5
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947645.80	625139.39	0.7
947664.73	625137.74	-2.0
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947461.04	624147.56	10.1
947469.01	624146.86	11.8
947478.97	624145.99	10.4
947487.93	624145.20	8.0
947509.85	624143.28	6.7
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947665.26	624129.69	-5.5
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947439.12	623123.82	5.6
947457.05	623122.25	3.2
947472.00	623120.94	2.5
947494.91	623118.93	-0.1
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947539.74	623115.01	-3.5
947563.65	623112.92	-4.5
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947339.29	622100.17	6.9
947360.21	622098.34	4.0
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947169.14	620125.29	7.7
947171.13	620125.12	7.0
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947197.03	620122.85	6.3
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947233.89	620119.63	3.7
947255.81	620117.71	1.2
947270.75	620116.40	-0.6
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947151.99	619155.78	4.6
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946139.27	601652.97	-3.5
946157.20	601651.40	-4.4
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946203.03	601647.39	-5.2
946221.96	601645.73	-5.6
946243.87	601643.82	-6.1
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945907.63	600585.22	6.8
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945947.31	600581.75	7.1
945967.90	600579.95	6.9
945978.10	600579.06	5.9
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945924.70	599584.28	6.8
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951959.99	664187.71	-15.9
951889.77	645776.75	-15.8
951941.09	664192.77	-15.0
951922.18	664197.84	-14.2
951903.81	664202.76	-13.3
952014.18	647764.41	-27.6
952054.97	647757.22	-27.4
952037.05	647760.38	-26.8
951983.40	647769.84	-26.5
952044.66	648791.50	-26.3
951987.92	648801.51	-26.2
952007.75	648798.01	-26.0
952026.27	648794.74	-26.0
952040.28	649984.19	-25.2
952028.92	652091.48	-25.0
952017.52	649988.20	-24.9
951969.33	649996.70	-24.9
951988.47	649993.32	-24.9
952010.82	652094.68	-24.5
951983.18	652099.55	-24.4
952002.11	650973.75	-24.2
952020.20	650970.56	-24.1
952045.11	650966.17	-23.9
952040.30	646677.17	-23.8
951979.37	650977.76	-23.8
952010.14	646682.49	-23.8
951983.44	646687.20	-23.6
952003.14	654292.42	-20.6
952030.49	654290.03	-20.3
952048.62	654288.44	-20.1
952018.57	662192.75	-20.0
951984.66	654294.04	-19.8
951980.04	661233.57	-19.5
952000.64	662195.91	-19.4
952022.32	656205.70	-19.3
952040.94	656202.42	-19.2
951967.50	660232.32	-19.2
952029.80	658113.13	-19.2
951987.19	659220.51	-19.0
952032.76	659212.48	-19.0
952003.88	658117.70	-19.0
951965.53	662202.11	-18.9
952009.03	661228.45	-18.9
952011.06	659216.30	-18.9
951995.13	660227.45	-18.8
952030.80	663429.70	-18.7
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951993.42	657125.43	-18.7
952022.40	660222.64	-18.7
951968.59	658123.92	-18.6
952041.07	657117.03	-18.6
952014.90	657121.65	-18.6
951999.56	663435.21	-18.6
952040.53	660219.44	-18.5
951973.04	657129.03	-18.5
951976.91	663439.20	-18.4
952040.61	645763.56	-18.4
951972.78	656214.44	-18.2
952002.68	656209.16	-18.0
952046.01	664164.66	-18.0
952046.86	661221.78	-17.8
952036.96	655046.44	-17.7
951985.97	655055.43	-17.6
952021.53	645765.22	-17.6
952015.37	655050.24	-17.6
952026.85	664169.79	-17.6
951992.54	645767.76	-17.4
952007.78	664174.90	-17.2
951973.46	645769.43	-16.8
951988.61	664180.04	-16.6
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952028.81	665326.46	-10.4
952005.81	665328.47	-9.2
952115.50	647746.55	-27.3
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952135.70	646660.35	-26.7
952120.95	648778.05	-26.5
952116.62	646663.71	-26.4
952140.21	648774.65	-26.4
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952093.14	648782.95	-26.2
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952137.28	652072.38	-25.7
952116.38	652076.06	-25.5
952063.29	652085.42	-25.5
952059.88	649980.73	-25.4
952088.92	649975.61	-25.4
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952058.66	646673.93	-25.2
952108.68	649972.13	-25.2
952128.65	649968.60	-25.2
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952129.45	650951.30	-24.1
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952091.22	650958.04	-23.9
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952116.17	653131.97	-23.8
952131.39	654281.20	-22.8
952112.92	654282.82	-22.6
952094.29	654284.45	-21.7
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952142.70	663409.97	-20.0
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952137.88	656185.33	-19.9
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952121.56	663413.70	-19.6
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952060.90	659207.52	-19.3
952122.47	662174.43	-19.3
952060.73	656198.93	-19.2
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952137.44	657100.04	-18.9
952141.18	664139.16	-18.8
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952122.41	664144.19	-18.6
952103.26	664149.31	-18.6
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952104.91	660208.09	-17.2
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952182.98	655020.69	-22.3
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953320.10	660997.28	-33.7
953349.98	660992.01	-33.6
953376.64	660987.31	-33.4
953395.59	660983.97	-33.2
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953370.70	658976.56	-30.3
953331.77	658983.43	-30.1
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953358.13	665210.16	-28.6
953387.31	665207.61	-28.5
953338.47	665211.88	-28.5

953344.01	663198.15	-28.2
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953340.17	646447.97	-27.0
953318.69	659994.06	-27.0
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953346.60	659989.14	-26.5
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953330.65	667085.80	-26.5
953363.44	651856.17	-26.3
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953351.29	667082.16	-26.3
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953333.78	665933.27	-25.8
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954515.61	661752.46	-20.7
954531.69	674973.16	-20.4
954564.53	673006.76	-20.3
954497.20	669349.13	-20.1
954515.83	669349.13	-19.9
954489.53	673019.99	-19.9
954543.02	669349.13	-19.8
954512.81	674976.49	-19.7
954562.73	669349.13	-19.6
954517.31	679429.12	-19.6
954545.34	673010.15	-19.6
954509.19	673016.52	-19.6
954487.45	679434.39	-19.5
954493.54	674979.89	-19.4
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954498.53	675860.78	-19.2
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954517.12	670330.90	-18.7
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954501.85	678135.82	-18.7
954520.76	678132.48	-18.6

954573.95	679419.14	-18.6
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954536.44	680101.81	-18.4
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954502.49	666879.18	-18.2
954562.49	670330.90	-18.2
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954564.83	682206.38	-16.5
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954545.69	665608.54	-12.8
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954491.56	665111.00	-12.6
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954588.95	660773.55	-25.4
954641.86	661730.20	-23.9
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954642.54	673863.30	-21.4

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954660.32	673860.17	-21.4
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955381.92	669349.13	-25.9
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955337.59	667925.80	-25.3
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955312.37	683963.23	-22.9
955331.32	683959.89	-22.6
955364.19	679279.79	-22.2

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955295.91	682077.47	-21.3
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955454.52	670330.90	-26.9
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955452.87	670716.87	-26.7
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955681.15	692925.04	-9.6
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955786.92	673661.52	-34.2
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956117.32	692848.13	-16.5
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956184.71	688697.79	-15.2
956145.82	682767.93	-15.2
956106.33	683823.23	-14.9
956125.77	682771.47	-14.7
956143.53	683816.67	-14.5
956185.79	684821.95	-14.3
956190.19	683808.44	-14.2
956158.39	684826.78	-14.2
956177.87	694865.52	-13.9
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956139.85	684830.05	-13.6
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956175.64	685723.64	-11.2
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956673.99	679724.91	-38.4
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956692.54	679721.63	-38.3
956693.40	679045.42	-38.3
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956648.89	677757.24	-37.1
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956690.69	683720.19	-33.7
956709.70	683716.84	-33.6
956671.98	683723.49	-33.5

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956692.78	693543.66	-27.8
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957171.04	693459.33	-14.8
957106.36	696714.48	-14.6
957112.32	697575.54	-14.6
957139.84	697570.68	-13.9
957152.84	693462.53	-13.4
957157.94	697567.49	-13.0
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957176.24	697564.27	-11.8
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957164.91	699717.56	-9.9
957184.36	699653.92	-9.8
957171.40	699696.34	-9.6
957134.84	699815.90	-9.6
957154.18	699752.66	-9.5
957141.29	699794.83	-9.5
957147.67	699773.95	-9.4
957167.23	699670.49	-9.4
957142.65	699674.82	-9.2
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957214.58	683627.82	-36.4
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957234.87	684636.97	-34.1
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957323.67	685521.21	-30.2
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957645.80	687498.13	-29.2
957718.17	694593.93	-27.2
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957712.03	695576.89	-26.2
957669.17	694602.56	-26.0
957649.21	694606.09	-25.3
957687.45	695581.22	-25.1
957662.78	695585.57	-23.9
957724.12	696605.55	-21.4
957705.94	696608.76	-20.3
957679.65	696613.40	-18.6
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958325.35	696499.54	-25.6
958312.94	698440.99	-25.6
958286.87	698445.59	-25.4
958305.74	696503.00	-25.2
958353.23	699461.36	-24.9
958334.99	699464.58	-24.6
958316.89	699467.77	-24.3
958298.57	699471.00	-24.2
958280.40	699474.20	-23.8
958357.22	691388.89	-47.0
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958410.49	692443.79	-41.7
958392.01	692447.05	-41.6
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958421.78	693238.79	-40.6
958403.35	693242.04	-40.4
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958366.39	693248.55	-39.7
958441.22	694466.43	-37.6
958441.64	695448.24	-37.3
958421.63	694469.89	-37.3
958402.08	694473.33	-37.0
958382.05	694476.87	-36.9
958423.07	695451.51	-36.9
958404.27	695454.83	-35.8
958385.05	695458.22	-34.6
958366.16	695461.55	-34.1
958442.82	697340.93	-33.9
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958373.93	695763.05	-31.6
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958510.19	693223.20	-41.7
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947539.25	615971.94	-9.9
947518.47	615973.75	-9.8
947459.37	615978.93	-9.4
947499.21	614977.48	-9.4
947498.53	615975.50	-9.2
947479.70	615977.15	-8.9
947479.42	614979.21	-8.6
947544.64	617043.90	-8.1
947538.37	618088.72	-8.0
947517.54	618090.55	-7.6
947543.26	619121.55	-7.4
947523.29	617045.76	-7.4
947499.23	618092.15	-7.3
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947464.75	617050.89	-6.7
947523.33	619123.30	-6.5
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947544.94	620092.42	-5.8
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947524.69	620094.19	-5.2
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947553.24	598419.96	-26.6
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947600.97	595334.82	-24.6
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947548.07	599442.25	-23.9
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947556.83	596446.00	-23.8
947557.59	595338.61	-23.7
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947587.87	596443.28	-23.5
947610.37	600436.25	-23.5
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947603.53	602639.79	-22.2
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947631.19	610971.78	-19.6
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949755.17	640556.26	-48.4
949771.18	640537.18	-48.0
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949743.35	607689.93	-35.7
949771.17	607687.50	-35.6
949789.50	607685.90	-35.5
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949762.91	605565.30	-31.6
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952517.12	642231.75	-23.6
952539.76	642231.75	-23.5

952564.15	642231.75	-22.9
952573.27	641935.19	-18.4
952505.19	641935.19	-17.9
952528.51	641935.19	-17.9
952553.06	641935.19	-17.7
952653.60	643508.03	-35.3
952625.83	643508.03	-34.9
952603.57	643508.03	-34.8
952658.85	644169.54	-34.3
952616.40	644169.54	-34.1
952588.23	644169.54	-34.1
952589.08	643844.07	-34.0
952635.72	644169.54	-33.9
952609.81	644532.42	-33.7
952608.19	644632.20	-33.6
952638.19	644532.42	-33.3
952631.41	644630.17	-33.3
952587.25	644634.03	-33.2
952664.05	644532.42	-33.0
952609.55	643844.07	-33.0
952657.69	643161.43	-32.8
952654.13	642824.95	-32.7
952653.75	644628.21	-32.6
952636.86	643844.07	-32.4
952625.63	642824.95	-32.3
952635.45	643161.43	-32.2
952676.24	644626.25	-32.2
952614.93	643161.43	-31.9
952601.09	642824.95	-31.5
952591.55	643161.43	-31.5
952661.14	642524.68	-31.5
952603.32	642524.68	-31.4
952623.53	642524.68	-31.4
952642.76	642524.68	-31.0
952657.87	643844.07	-30.4
952676.00	643844.07	-29.6
952642.01	641320.90	-28.1
952599.14	641320.90	-27.4
952670.76	641320.90	-27.1
952617.60	641320.90	-27.1
952672.37	641674.13	-25.9
952653.57	641674.13	-25.5
952622.77	641674.13	-25.4
952599.10	641674.13	-25.1
952587.03	642231.75	-22.4
952608.27	642231.75	-21.9
952671.78	642231.75	-21.7
952632.44	642231.75	-21.6
952653.30	642231.75	-21.3
952660.40	641935.19	-20.1
952614.73	641935.19	-19.2
952640.02	641935.19	-19.2
952593.28	641935.19	-18.5
952732.00	643508.03	-36.1
952765.33	643508.03	-36.1
952705.96	643508.03	-35.6
952684.60	643508.03	-35.5
952678.05	644169.54	-34.1
952677.69	643161.43	-33.5
952734.00	642824.95	-33.4
952713.66	643161.43	-33.2
952706.72	642824.95	-33.2
952735.10	642524.68	-33.1
952677.54	642824.95	-33.0
952761.45	642824.95	-33.0
952750.79	643161.43	-32.9
952716.39	642524.68	-32.8
952732.76	643161.43	-32.6
952756.96	642524.68	-32.5
952683.18	644532.42	-32.5
952696.31	644169.54	-32.1

952680.65	642524.68	-32.1
952725.35	644169.54	-31.7
952694.67	644624.63	-31.5
952701.43	644532.42	-31.2
952721.75	644622.27	-30.8
952720.86	644532.42	-30.4
952743.30	641320.90	-30.2
952744.94	644169.54	-29.9
952740.41	644620.63	-29.7
952711.62	641320.90	-29.4
952740.90	644532.42	-29.1
952763.21	644618.64	-28.6
952764.71	644169.54	-28.4
952762.36	644532.42	-28.4
952689.55	641320.90	-28.4
952695.26	643844.07	-28.3
952713.29	643844.07	-27.3
952731.63	643844.07	-26.8
952724.99	641674.13	-26.5
952746.63	641674.13	-26.4
952699.32	641674.13	-26.0
952749.91	643844.07	-25.9
952759.80	642231.75	-21.8
952708.65	642231.75	-21.6
952741.57	642231.75	-21.5
952690.65	642231.75	-21.2
952750.05	641935.19	-21.1
952685.97	641935.19	-20.9
952719.30	641935.19	-20.6
952821.23	643508.03	-37.3
952848.61	643508.03	-37.1
952802.69	643508.03	-36.6
952783.52	643508.03	-36.5
952846.87	643161.43	-33.4
952854.21	642524.68	-33.0
952850.49	642824.95	-32.9
952820.60	643161.43	-32.8
952825.56	642824.95	-32.6
952784.33	642824.95	-32.6
952781.39	643161.43	-32.5
952802.19	643161.43	-32.5
952784.73	642524.68	-32.4
952834.93	642524.68	-32.3
952815.42	642524.68	-32.3
952806.85	642824.95	-32.0
952771.41	641320.90	-30.2
952790.76	641320.90	-28.3
952848.21	641674.13	-27.8
952785.80	644169.54	-27.8
952826.08	641674.13	-27.7
952790.86	644616.22	-27.7
952809.25	644614.61	-27.6
952807.40	641674.13	-27.4
952844.49	641320.90	-27.3
952785.57	641674.13	-26.9
952766.60	641674.13	-26.5
952851.62	643844.07	-26.4
952786.32	644532.42	-26.4
952804.74	644169.54	-26.3
952804.36	644532.42	-25.8
952831.43	644612.67	-25.8
952830.84	643844.07	-25.6
952768.46	643844.07	-25.4
952809.38	641320.90	-25.2
952823.42	644169.54	-25.2
952829.37	644532.42	-25.1
952799.67	643844.07	-25.0
952845.66	644169.54	-24.8
952855.71	644532.42	-24.4
952842.68	642231.75	-23.1
952850.23	641935.19	-22.7

952824.63	642231.75	-22.6
952808.26	641935.19	-22.5
952772.28	641935.19	-22.4
952831.88	641935.19	-22.2
952786.52	642231.75	-22.2
952805.43	642231.75	-21.6
952919.31	643508.03	-37.9
952939.63	643508.03	-37.9
952879.95	643508.03	-37.8
952899.74	643508.03	-37.5
952874.13	642824.95	-33.5
952876.81	643161.43	-33.3
952895.07	642824.95	-33.2
952896.21	643161.43	-31.9
952920.62	643161.43	-30.8
952873.95	642524.68	-30.3
952941.38	641674.13	-29.6
952922.07	641674.13	-29.2
952900.18	641674.13	-28.9
952916.26	642524.68	-28.9
952940.73	641320.90	-28.7
952932.59	643844.07	-28.6
952869.22	641674.13	-28.6
952892.74	642524.68	-28.5
952898.49	643844.07	-28.0
952940.42	643161.43	-27.7
952919.78	641320.90	-27.1
952875.18	643844.07	-27.0
952912.84	644169.54	-25.9
952877.09	641320.90	-25.8
952932.26	644603.85	-25.6
952940.69	644169.54	-25.5
952900.60	641320.90	-25.5
952940.37	644532.42	-25.4
952895.42	644532.42	-25.1
952900.01	644606.67	-25.1
952919.28	644532.42	-25.0
952938.20	642231.75	-24.9
952936.80	641935.19	-24.9
952864.49	644609.78	-24.9
952891.21	644169.54	-24.8
952935.12	642824.95	-24.7
952864.42	644169.54	-24.6
952874.63	644532.42	-24.5
952918.43	642231.75	-24.3
952911.26	641935.19	-24.3
952896.64	642231.75	-24.2
952914.93	642824.95	-24.2
952880.49	641935.19	-24.1
952877.32	642231.75	-23.5
953009.90	643508.03	-38.1
953031.15	643508.03	-37.9
952978.38	643508.03	-37.9
952958.56	643508.03	-37.8
953035.74	641320.90	-30.2
952973.48	643844.07	-29.4
952995.81	643844.07	-29.4
953024.12	643844.07	-29.4
953007.08	641320.90	-29.1
952955.03	643844.07	-28.8
952986.93	641320.90	-28.7
952961.43	641320.90	-28.7
953032.70	644169.54	-27.9
953011.78	644169.54	-27.7
953032.87	641674.13	-27.5
953023.77	641935.19	-27.2
952983.16	644169.54	-27.1
953022.39	644595.96	-27.1
953035.36	644532.42	-26.8
953003.41	641935.19	-26.8
952998.01	644598.10	-26.7

952977.78	644599.87	-26.5
953003.12	644532.42	-26.4
952994.66	641674.13	-26.4
952959.51	641674.13	-26.4
952959.59	644169.54	-26.4
952984.57	641935.19	-26.3
952958.19	644601.58	-26.1
953014.46	641674.13	-26.1
952978.19	644532.42	-26.0
952963.68	643161.43	-25.9
953004.25	643161.43	-25.8
952954.80	641935.19	-25.7
953032.01	642824.95	-25.6
952983.11	643161.43	-25.5
953022.59	643161.43	-25.5
952958.79	644532.42	-25.4
953001.39	642824.95	-23.7
952953.84	642824.95	-23.2
952981.41	642824.95	-22.8
953092.07	643508.03	-38.4
953050.34	643508.03	-38.3
953113.09	643508.03	-38.0
953069.20	643508.03	-37.8
953123.46	642824.95	-31.0
953121.26	641935.19	-30.5
953119.39	643844.07	-30.3
953104.44	641674.13	-30.3
953043.37	643844.07	-30.1
953076.79	643844.07	-30.1
953057.81	641320.90	-30.1
953100.52	643844.07	-30.0
953083.37	641674.13	-29.9
953124.33	641674.13	-29.9
953104.80	641320.90	-29.8
953103.23	641935.19	-29.6
953113.27	644169.54	-29.5
953076.21	644169.54	-29.1
953094.67	644169.54	-28.9
953056.16	644169.54	-28.9
953084.77	641935.19	-28.8
953053.07	641674.13	-28.8
953082.05	642824.95	-28.6
953090.14	643161.43	-28.4
953057.60	641935.19	-28.3
953079.18	641320.90	-28.0
953109.17	643161.43	-27.5
953105.12	642824.95	-27.4
953120.60	644532.42	-27.2
953044.32	644594.04	-27.2
953072.48	644591.58	-27.2
953120.25	644587.40	-27.1
953100.16	644532.42	-27.0
953090.58	644590.00	-26.9
953057.39	644532.42	-26.7
953079.98	644532.42	-26.7
953068.08	643161.43	-26.0
953050.40	642824.95	-26.0
953043.45	643161.43	-25.1
953176.08	643508.03	-38.0
953134.51	643508.03	-37.7
953156.69	643508.03	-37.6
953201.05	643508.03	-37.6
953192.45	643161.43	-35.9
953200.45	641674.13	-34.5
953174.43	643161.43	-34.4
953191.48	642824.95	-34.3
953163.42	642824.95	-33.9
953207.08	641320.90	-33.7
953180.70	641674.13	-33.6
953188.32	641320.90	-32.6
953160.91	641674.13	-32.5

953143.21	642824.95	-32.5
953142.59	641674.13	-32.4
953162.71	641320.90	-32.2
953155.88	641935.19	-32.1
953156.37	643161.43	-32.0
953131.35	641320.90	-31.1
953127.67	643161.43	-29.8
953139.80	643844.07	-29.6
953134.23	644169.54	-29.3
953174.97	643844.07	-29.2
953154.12	644169.54	-29.0
953173.85	644169.54	-28.6
953203.77	643844.07	-28.6
953192.41	644169.54	-28.4
953213.20	644169.54	-28.2
953154.06	644532.42	-28.1
953146.62	644585.09	-27.3
953214.55	644532.42	-27.3
953196.17	644532.42	-27.3
953177.53	644532.42	-27.2
953176.45	644582.48	-27.0
953194.71	644580.89	-26.1
953224.01	643508.03	-37.6
953300.84	641320.90	-37.1
953224.84	643161.43	-36.4
953282.84	641320.90	-36.0
953237.02	641674.13	-35.7
953218.90	641674.13	-35.6
953263.56	641320.90	-34.8
953244.58	641320.90	-34.1
953226.31	641320.90	-33.4
953225.38	643844.07	-28.9
953235.72	644169.54	-27.9
953261.69	644169.54	-27.8
953279.86	644169.54	-27.7
953298.12	644532.42	-27.1
953273.44	644532.42	-26.8
953242.93	644532.42	-26.7
953289.10	644572.63	-26.1
953247.06	644576.31	-26.1
953223.92	644578.33	-25.8
953267.11	644574.55	-25.6
953320.14	641320.90	-37.6
953344.38	641320.90	-37.4
953379.57	644532.42	-29.1
953361.49	644532.42	-28.3
953341.92	644532.42	-28.1
953353.79	644566.97	-27.8
953318.50	644532.42	-27.4
953327.26	644569.29	-27.1
953307.39	644571.03	-27.0

Section 8

Field Notes

10-23-19

35657-2

RNG	t	H1	-	ROD	R
TOM	2.05	4.24			2.19
40				2.1	2.1
55				4.1	0.1
70				6.0	-1.8
89				6.2	-2.0
106				6.4	-2.2
124				6.9	-2.7
145				7.5	-3.3
157				7.8	-3.6
178				8.5	-4.3
200				9.3	-5.1
202				9.9	-5.7
220				10.2	-6.0
240				10.5	-6.3
260				11.0	-6.8
278				11.5	-7.3
299				11.8	-7.6
320				12.0	-7.8
336				12.4	-8.2

BRUNNEN

27/4

SH R-25 RNG 40 #5001

SAND @ 14.5

" " "

SAND

"

ROCK

"

"

SAND



10-23-19

35657-2

P-25 cont

RNC	+	141	-	200	EL
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4.24

352			12.5	-8.3
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365			12.5	-8.3
-----	--	--	------	------

381			12.8	-8.6
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397			13.2	-9.0
-----	--	--	------	------

4/12			13.4	-9.2
------	--	--	------	------

431			14.0	-9.8
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T.P.	3.96	4.17	4.03	0.21
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TBM		3.90		0.27
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BOARD

$$\frac{22}{5}$$

SAW

SH 1225 RAB 55 #5002

10-9-19

35657-2

D. VOTROBEK

BROWARD COUNTY

J. WALTHER

BEACH PROFILES WATER PORTION

H. HARTGAVE

R-26 TO R-44

H. LAWSON

R-26

RNG	+	HI	-	ROD	Q
TBM	342	1641		12.99	
45				3.4	13.0'
50				3.5	12.9'
55				4.7	11.7'
62				6.7	9.7'
63				10.7	5.7'
70				12.1	4.3'
89				13.1	3.3'
T.P.	5120	8.31'	13.30	1	3.11'
111				7.5	0.8'
119				8.2	0.1'
121				9.4	-1.1'
140				10.0	-1.7'
159				10.9	-2.6'
178				11.8	-3.5'
195				12.4	-4.1'

1002

1162

55

BROWARD

25/31

SH R-26 RNG 45 H 1001

GB @ 11.0'

GB

GB @ 14.0'

TUB VEL

TOE SAND

SAND

10.9.19

35657-2

BROWARD

25/32

R-26

RNG

+

H1

-

ROD B

8.31

214

13.3

-5.0'

SAND

232

13.7

-5.4'

253

14.2

-5.9'

269

14.8

-6.5'

290

15.5

-7.2'

311

16.0

-7.7'

333

16.8

-8.5'

349

17.1

-8.8'

366

17.7

-9.4'

380

18.3

-10.0'

T.P.

12.12

16.22

5.21

3.10'

TBM

4.61

11.61'

SN R-26 RNG 65

N 1002 (11.62)

10-9-19

35657.2

1004

9.34

ZACHARY

25

/33

R-27

RNC	+	HI	-	ROD	EL					
TBM	1.79	12.86			11.07	SH	R-27	RNC 90	#	1003
90				1.7	11.2'	GR @	HUB			
100				3.5	9.4'	" "	"			
103				4.0	8.9'	VEG				
106				4.7	8.2'	TOE SAND				
117				5.0	7.9'	SAND				
121				7.0	5.9'					
141				8.9	4.0'					
T.P.	4.83	9.03'	8.66		4.20'					
161				7.1	1.9'					
181				9.1	-0.1'					
190				10.4	-1.4'					
196				11.9	-2.9'					
217				13.6	-4.6'					
237				14.2	-5.2'					
262				15.3	-6.3'					
285				15.8	-6.8'					
305				16.4	-7.4'					
322				16.7	-7.7'					
344				17.2	-8.2'					

10-9-19

35657.2

BLOWARD

25/34

R-27

RNG

+

HI

-

ROD

EL

9.03

350

17.5

-8.5'

SAND

370

17.9

-8.9'

402

18.2

-9.2'

418

18.5

-9.5'

435

18.7

-9.7'

450

19.0

-10.0'

T.P.

8.46

12.65'

4.84

4.19'

TBM

3.26

9.39'

SH R-27 RNG 100 ¹⁰⁰⁴

9.34

10-9-19

35657-2

1006 8.92

25/
BROWARD 35

R-28

RNG	+	H1	-	ROD	EL						
T.B.M	4.62	13.20'			8.58	S4	R-28	RNG	180	#	1005
180				4.6	8.6'	SAND	@	HUB			
200				4.5	8.7'	"	"	"			
220				4.8	8.4'	SAND					
240				5.6	7.6'						
255				6.3	6.9'						
270				7.9	5.3'						
290				8.9	4.3'						
307				10.7	2.5'						
T.P.	5.27	7.95'	10.52		2.48'						
328				7.8	0.2'						
353				9.5	-1.5'						
363				12.3	-4.3'						
387				13.7	-5.7'						
411				14.6	-6.6'						
434				15.4	-7.4'						
459				15.9	-7.9'						
483				16.1	-8.1'						
507				16.2	-8.2'						
529				15.8	-7.8'						
553				15.5	-7.5'						

10-2-19

35657-2

R-28

RNG + HI - ROD EL

7.95'

577

15.0 -7.0' SAND

502

14.8 -6.8

628

15.3 -7.3

658

14.9 -6.9

T.P. 7.10 10.04' 5.01

294'

TRM 1.34

8.70'

SH R-28 RNG 200 * 1006

8.92

TRM 1.45

8.59'

SH #1005 8.58

10-9-19

35657-2

R-29

RNC	+	H1	-	ROD	E
TBM	2.25	8.95			6.70
260				2.2	6.8'
280				2.6	6.4'
300				2.0	7.0'
308				1.9	7.1'
310				3.8	5.2'
329				5.5	3.5'
351				8.4	0.6'
370				10.5	-1.5'
375				12.2	-3.2'
396				12.7	-3.7'
418				12.7	-3.7'
438				13.1	-4.1'
457				12.7	-3.7'
480				12.8	-3.8'
500				13.3	-4.3'
520				13.9	-4.9'
538				14.5	-5.5'
562				15.3	-6.3'

1008 6.59

BROWARD

25/
37

SH R-29 RNC

1007

SAND @ HUB

SAND

10-9-19

35457-2

BROWARD

25/28

RNC + HI - ROD 13
8.95'

588 15.8 -6.8' SAND

608 16.0 -7.0'

629 16.1 -7.1'

652 16.1 -7.1'

675 15.9 -6.9'

702 15.8 -6.8'

T.P. 2.29 8.88' 2.36 6.59'

TBM 2.49 6.39'

SH R-29 RNC 280 # 1003 6.70

TBM 2.17 6.71

SH # 1007 (6.70)

10-9-19

35657.2

R-30

RNG + HI - ROD EL

TBM

4.95

13.11'

8.14

SH

R-30

RNG

220

#

1009

220

4.9

8.2

SAND @ HUB

240

4.9

8.2

" " "

263

4.9

8.2

SAND

278

4.9

8.2

291

5.2

7.9

293

4.7

8.4

314

9.9

3.2

T.P.

5.83

9.19'

9.75

3.36

336

8.4

0.8

357

10.4

-1.2

363

11.1

-1.9

372

13.0

-3.8

391

14.0

-4.8

417

14.4

-5.2

440

14.8

-5.6

464

15.2

-6.0

486

15.7

-6.5

511

15.7

-6.5

537

14.5

-5.3

561

13.9

-4.7

1010

8:22

BROWN

25/39

10-9-19

35657-2

R-30

RNG + HI - ROD EL

9.19'

583

13.8 -4.6'

SUM

601

14.1 -4.9'

629

14.7 -5.5'

648

15.0 -5.8'

670

15.4 -6.2'

691

15.9 -6.7'

711

16.2 -7.0'

732

16.5 -7.3'

TBM

0.98

8.21'

SH R-30 RNG 240 #1010 8.22

10-9-19

35657-2

R-31

RNG	+	H1	-	ROD	EL
TBM	4.55	12.91'			8.36
250				4.5	8.4'
270				4.8	8.1'
293				5.6	7.3'
296				7.4	5.5'
317				9.1	3.8'
T.P.	4.70	8.71'	8.90		4.01'
338				6.9	1.8'
359				9.5	-0.8'
373				10.8	-2.1'
378				12.5	-3.8'
399				13.6	-4.9'
420				13.7	-5.0'
445				15.3	-6.6'
464				14.6	-5.9'
486				14.8	-6.1'
508				14.5	-5.8'
531				14.1	-5.4'
549				14.0	-5.3'
569				14.5	-5.8'

BROWNS

237

/41

SH R-31 RNG 250 H 1101

SAND @ HUB

" " "

SAND

10-9-19

3957-2

R-31

RNG

+

H1

-

R00

EL

8.71'

591

15.4

-6.7'

SAND

608

16.2

-7.5'

623

16.9

-8.2'

646

17.9

-9.2'

TBM

0.66

8.05'

SH R-31 RNG 270 * 1102

BROWARD

25

42

10-9-19

35657-2

R-32

RNG	+	H1	-	ROD	EL
TBM	5.58	13.12			7.54
320				5.5	7.6'
340				4.8	8.3'
346				5.2	7.9'
353				8.8	4.3'
375				9.9	3.2'
T.P.	4.95	8.25	9.82		3.30'
396				7.4	0.9'
415				9.7	-1.4'
420				10.5	-2.2'
429				11.6	-3.3'
449				13.1	-4.8'
470				13.2	-4.9'
495				13.6	-5.3'
518				12.5	-4.2'
538				12.3	-4.0'
560				12.9	-4.6'
582				13.5	-5.2'
606				14.5	-6.2'
626				15.4	-7.1'
649				16.5	-8.2'

1014 8.26

BROWARD

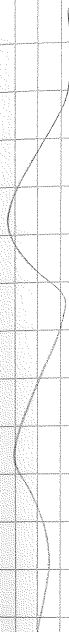
25/43

SH R-32 RNG 320 # 1013

SAND @ HJB

" " "

SAND



10-9-19

35657-2

R-32

RNC

+

H1

-

200

EL

8.25'

670

17.4

-9.1'

SAND

695

18.5

-10.2'

T.P.

5.21

10.08'

3.38

4.87'

TOM

1.83

8.25'

SNR-32 RNC 340 H 1014

8.26

BLOWARD

25

44

10-8-19

35657-2

320

1016

7.32

BROWARD

25/
45

R-33

RNG + HI - ROD EL

TBM 3.99 11.92' 7.93

300 3.9 8.0'

320 4.6 7.3'

340 4.9 7.0'

365 4.6 7.3'

368 6.8 5.1'

390 8.7 3.2'

T.P. 5.05 8.46' 8.51 3.41'

412 7.3 1.2'

433 9.6 -1.1'

440 10.4 -1.9'

444 11.8 -3.3'

466 12.9 -4.4'

490 13.2 -4.7'

510 12.0 -3.5'

531 11.5 -3.0'

555 12.1 -3.6'

577 12.7 -4.2'

602 13.5 -5.0'

SH R-33 RNG 300 #1015

SANDP HUB

" " "

SANDP

10-2-19

35657-2

BAUMARD

25/
46

R-33

RNC

+

H1

-

R00

EL

8.46

623

14.3 -5.8'

SAND

645

15.0 -6.5'

666

16.0 -7.5'

689

16.9 -8.4'

713

17.7 -9.2'

TBM

1.23

7.23'

SH R-33 RNC 320 # 10K 7.32

10-9-19

35657-2

R-34

RNL + HI - ROD EL

TBM 5.89 12.59' 670

320 5.8 6.8'

340 5.3 7.3'

353 5.4 7.2'

371 8.2 4.4'

382 9.0 3.6'

395 10.7 1.9'

T.P. 7.08 9.18' 10.49 2.10'

415 9.8 -0.6'

427 11.0 -1.8'

432 12.3 -3.1'

454 13.5 -4.3'

474 13.3 -4.1'

500 12.7 -3.5'

521 12.7 -3.5'

540 13.4 -4.2'

564 14.4 -5.2'

588 14.6 -5.4'

340 1018 7.24

BLOWARD

25/
147

54 R-34 ANG 320 # 1017

SAND @ 1113

SAND

10-9-14

35657-2

BROWARD

25

/48

RNG

+

R-34

H1

-

R00

a

9.18

G14

17.0

-7.8'

SAND

G37

18.4

-9.2'

G58

19.5

-10.3'

TBM

201

-

7.17'

SH R-34 RNG

340

10/18

7.24

10-9-19

35657-2

R-35

RNC + 141 - R00 EL

TBM 2.20 9.42' 7.22

225 1.9 7.5'

245 2.1 7.3'

259 2.5 6.9'

273 4.6 4.8'

292 5.5 3.9'

316 7.5 1.9'

335 10.9 -1.5'

341 12.3 -2.9'

364 13.2 -3.8'

383 13.3 -3.9'

405 13.0 -3.6'

426 13.2 -3.8'

447 14.1 -4.7'

471 15.2 -5.8'

496 16.7 -7.3'

515 17.9 -8.5'

544 19.5 -10.1'

563 20.5 -11.1'

T.P. 1.84 9.36 1.90 7.52'

TBM 2.05 7.31

1020 7.13

BROWARD

25/49

S11 R-35 RNC 225 # 1019

SAND @ HUB

SAND

S11 R-35 RNC 245 # 1020 7.13

10-9-19

35657-2

220

1022 6.90

BROWN

25

51

RNG	+	R.36		200	E
TBM	2.11	8.76		6.65	
200				2.0	6.8'
220				1.9	6.9'
229				1.8	7.0'
236				4.4	4.4'
256				6.3	2.5'
278				7.4	1.4'
298				8.8	0.0'
321				10.0	-1.2'
342				10.9	-2.1'
365				11.7	-2.9'
386				12.3	-3.5'
409				13.1	-4.3'
435				14.4	-5.6'
460				15.8	-7.0'
489				17.4	-8.6'
510				18.6	-9.8'
536				20.2	-11.4'
555				21.3	-12.5'
T.P.	1.58	8.89	1.65	7.11	
TOM			4.81	6.88	

S11 R-36 RNG 200 # 1021

SAND @ SW

" " "

SAND

S11 R-36 RNG 220 # 1022 6.90

10-2-19

35257-2

R.37

RNG	+	141	-	R00	E
TBM	2.36	9.13		16.77	
180				2.3	6.8'
200				1.8	7.3'
204				1.8	7.3'
210				4.6	4.5'
229				5.6	3.5'
252				8.6	0.5'
266				9.1	0.0'
272				10.5	-1.4'
281				11.5	-2.4'
288				11.1	-2.0'
293				10.8	-1.7'
316				11.9	-2.8'
339				12.7	-3.6'
361				13.5	-4.4'
385				14.5	-5.4'
402				15.3	-6.2'
426				15.3	-6.2'
452				17.6	-8.5'

1024

BLOWN

25/52

SH R-37 RNG 180 # 1023

SAND @ 4.03

1.1 4.1 4.1

10-9-19

35657-2

BLOWARD

25/53

R-37

RNG

+

H1

-

R00

E

9.13

475

19.2

-10.1

S&W

496

20.3

-11.2

"

T.P.

1.48

9.01

1.60

7.53

TOM

1.71

7.30

SH R-37 RNG 200 #1024

(7.45)

10-2-19

35657-2

R-38

RNG	+	HI	-	ROD	EL
TBM	3.17	12.88'			9.81
80				3.1	9.9'
100				3.6	9.4'
108				3.5	9.5'
112				5.0	8.0'
132				5.1	7.9'
149				5.2	7.8'
153				8.0	5.0'
168				9.4	3.6'
T.P.	5.48	9.35'	9.11		3.87'
191				8.2	1.2'
211				9.7	-0.3'
232				10.4	-1.0'
251				11.5	-2.1'
276				12.8	-3.4'
296				13.2	-3.8'
323				14.1	-4.7'
345				15.3	-5.9'

1026 9.21

BROWARD

28/54

SH R-38 RNG 80 # 1025

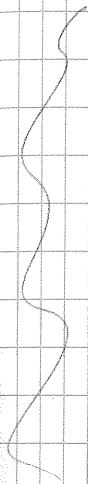
GB Q HUB

" " "

TOO

TOE VEL

SAND



10-9-19

35657-2

R-38

RNG

+

H1

-

R00

B

9.35'

369

16.3

-6.9

SAND

396

17.7

-8.3'

418

19.0

-9.6'

448

20.4

-11.1

TP

8.92

12.79'

5.48

3.87'

TBM

3.47

9.32'

SH R-38 RNG 100 #1026

9.21

BROWN

25/

55

10-9-19

35657-2

R-39

RNG

+

H1

-

R00

EL

243

9.21

6.78

80

2.4

6.8'

100

2.5

6.7'

117

3.8

5.4'

122

4.9

4.3'

138

5.4

3.8'

159

6.6

2.6'

184

7.5

1.7'

193

9.7

-0.5'

200

10.4

-1.2'

220

11.1

-1.9'

245

12.1

-2.9'

269

12.9

-3.7'

292

12.8

-3.6'

322

15.2

-6.0'

348

16.5

-7.3'

374

15.9

-6.7'

1030 6.70

BROWND

25/56

SH R-39 RNG 80

#1029

SAND @ HUB

" " "

SAND

10-9-19

356.57-2

R-39

RNG

+

H1

-

R00

EL

9.21'

404

19.5

-10.3'

SAND

436

20.8

-11.6'

T.P.

2.16

8.92'

2.45

6.76'

TBM

2.36

6.56'

SH R-39 RNG

#1030

6.70

ZAROWANS

25/157

10-9-19

35657-2

R-40

RNG	+	H1	-	ROD	EL
TBM	2.21	8.91'			6.70
130				2.2	6.7'
150				2.1	6.8'
161				2.0	6.9'
166				4.5	4.4'
180				5.9	3.0'
195				6.3	2.6'
215				8.4	0.5'
235				9.5	-0.6'
262				11.1	-2.2'
283				11.8	-2.9'
307				12.2	-3.3'
328				13.4	-4.5'
347				14.6	-5.7'
375				15.6	-6.7'
387				16.9	-8.0'
423				18.4	-9.5'
448				19.8	-10.9'
T.P.	1.85	8.82'	1.94		6.97'
TBM			2.08		6.74'

1032 6.90

BROWMAN

25/58

SH R-40 RNG 130 # 1031

SAND @ HUB

" " "

SAND

SH R-40 RNG 150 # 1032 6.90

10-9-19

35657-2

R-41

RNG	+	HL	-	R00	EL
TBM	2.01	9.41'			7.40
120				2.0	7.4'
140				2.0	7.4'
149				2.3	7.1'
153				4.8	4.6'
175				6.4	3.0'
196				8.6	0.8'
211				9.9	-0.5'
214				10.5	-1.1'
235				10.3	-0.9'
259				11.8	-2.4'
282				12.7	-3.3'
312				13.8	-4.4'
330				14.7	-5.3'
354				15.8	-6.4'
378				17.2	-7.8'
401				18.3	-8.9'
426				19.7	-10.3'
T.P.	1.86	9.42'	1.85		7.56'
TBM			2.03		7.39'

1034 7.37

BROWARD

25/59

SH R-41 PT # 1033

SAND @ KUB

" " "

SAND



SH R-41 RNG 140 PT 1034

7.37

10-9-19

35657-2

R-42

RNG	t	H1	-	R00	EL
TBM	2.90	9.19'			6.29
120				2.9	6.3'
140				2.8	6.4'
151				2.8	6.4'
160				5.0	4.2'
176				6.4	2.8'
192				7.0	2.2'
212				8.7	0.5'
222				9.8	-0.6'
226				11.0	-1.8'
249				11.1	-1.9'
274				12.3	-3.1'
303				13.5	-4.3'
325				14.4	-5.2'
348				15.5	-6.3'
374				17.0	-7.8'
400				18.3	-9.1'
426				20.0	-10.8'
T.P.	2.57	9.10'	2.66		6.53'
T.B.			2.77		6.33'

140

1036

6.35

BROWARD

257

160

SH R-42 RNG 120 # 1035

SAND @ HUB

11 " "

SAND

SH R-42 RNG 140 # 1036

6.35'

10-9-19

35657-2

R-43

RNG	+	141	-	R00	EL
TBM	1.33	9.42			8.09
130				1.3	8.1
150				1.4	8.0'
171				1.8	7.6'
177				5.2	4.2'
196				5.7	3.7'
203				6.1	3.3'
224				9.9	-0.5'
247				10.4	-1.0'
270				11.1	-1.7'
291				12.0	-2.6'
314				13.0	-3.6'
337				13.9	-4.5'
360				14.9	-5.5'
383				16.0	-6.6'
408				17.4	-8.0'
432				18.6	-9.2'
454				18.7	-9.3'
T.P.	1.22	9.37	1.27		8.15
TBM			1.41		7.96

1038 7.91

BLOWARD

25/
161

S.H. R-43 RNG 130 # 1037

SAND @ 14.0

" " "

SAND

S.H. R-43 RNG 150 # 1038 7.91

10-9-19

35657-2

R.44

RNG	+	111	-	R00	EL
TBM	3.32	9.68'			6.36
220				3.3	6.4'
240				2.9	6.8'
248				2.8	6.9'
252				5.1	4.6'
270				6.3	3.4'
293				5.4	4.3'
310				10.1	-0.4'
339				11.1	-1.4'
361				12.3	-2.6'
389				13.1	-3.4'
414				13.9	-4.2'
434				14.7	-5.0'
453				15.5	-5.8'
478				16.7	-7.0'
501				17.7	-8.0'
521				18.9	-9.2'
436 536				19.7	-10.0'
T.P.	2.70	9.03'	2.75		6.93'
TBM			2.88		6.80
					6.75

1040 G.70

BROWARD

25/62

SH R-44 RNG 220 # 1039

SAND @ HUB

LL " "

SAND

SH R-44 RNG # 1040 (G.70)

10-10-19

35657-2

R-45

RNG	+	HI	-	ROD	EL
TBM	2.10	9.01'			691
260				2.0	7.0'
280				1.7	7.3'
285				1.7	7.3'
290				3.8	5.2'
310				6.1	2.9'
315				6.8	2.2'
320				9.6	-0.6'
325				10.4	-1.4'
335				12.4	-3.4'
355				12.0	-3.0'
378				12.4	-3.4'
400				12.3	-3.3'
430				12.9	-3.9'
450				13.6	-4.6'
475				14.6	-5.6'
495				15.7	-6.7'
515				16.9	-7.9'
535				18.0	-9.0'
560				19.2	-10.2'
T.P.	1.35	8.94'	1.42		7.59'
TBM			1.67		7.27'

D. VOTROUSEK - H. LAWSON

BROWARD

25/63

D. VOTROUSEK - H. HART GRAVE

BEACH PROFILES R-45 TO R-80

EVERY OTHER

STATION

SH R-45 RNG 260 # 1041

SAND @ HUB

" " "

SAND

SH R-45 RNG 280

1042

7.27

1042 7.27

10/10/19
M. Barker

35657-2

Broward County, WATER PORTIONS

2.46

Prob.	+	H1	-	ROD	DOWN
TBM.	2.17'	9.17'			7.00'
136'				2.2'	7.0'
140'				2.4'	6.8'
150'				1.9'	7.3'
158'				1.7'	7.5'
161'				3.6'	5.6'
173'				4.6'	4.6'
195'				7.3'	1.9'
215'				9.6'	-0.4'
225'				12.7'	-3.5'
250'				12.5'	-3.3'
272'				12.3'	-3.1'
294'				12.4'	-3.2'
314'				12.6'	-3.4'
339'				13.3'	-4.1'
353'				14.0'	-4.8'
371'				14.8'	-5.6'

Broward 26/44

DEEG

SH. 12.46 RING 130' P.T. 1043

DRIP SH

SH

10/10/19

35657-2

Cont. R-46

Rng.

+

H₁

-

Roo

LWV

AGEC

9.17'

390'

15.9'

-6.7'

3RND

412'

16.9'

-7.7'

432'

18.1'

-8.9'

453'

19.4'

-10.2'

475'

20.3'

-11.1'

TP.

1.49'

9.00'

1.66'

7.51'

TBL

1.88'

7.12'

SR. R-46 Rng. 150' PJ# 1044 (GLC 7.14')

Bemungad

26/45

10-10-19

35657-2

R-47

RNG + HI - ROD @

1.44

9.20'

7.76

210

1.4

7.8'

230

1.2

8.0'

239

1.3

7.9'

244

4.3

4.9'

264

5.2

4.0'

287

7.9

1.3'

306

10.2

-1.0'

314

12.5

-3.3'

333

13.0

-3.8'

355

12.8

-3.6'

374

13.0

-3.8'

394

15.1

-5.9'

417

13.9

-4.7'

440

14.9

-5.7'

461

15.9

-6.7'

485

17.3

-8.1'

512

19.0

-9.8'

537

20.3

-11.1'

T.P.

1.02

9.14'

1.08

8.12'

TBM

1.22

7.92'

1046

BROWARD

25/
64

SH R-47

RNG 210

1045

SAND @ HOB

11 " "

SAND



SH R-47 RNG 230

1046

7.97

10/10/19

35657-2

R-48

Rdg.	+	N1	-	Rdg	Elev.
201	2.68'	8.25'			5.57'
216'				2.5'	5.8'
220'				2.4'	5.9'
230'				2.0'	6.3'
238'				1.9'	6.4'
243'				4.2'	4.1'
252'				5.0'	3.3'
272'				4.1'	4.2'
297'				7.9'	0.4'
307'				8.9'	-0.6'
315'				11.0'	-2.7'
333'				11.0'	-2.7'
353'				10.7'	-2.4'
378'				11.7'	-3.4'
400'				12.0'	-3.7'
422'				12.9'	-4.6'

Broward 26/46

DATE

SH R-48 R-48 210' DIST 1047

SAND SH

SH

10/10/19

35657-2

Conty. R-48

Relg	+	H1	-	Red	GLN.
------	---	----	---	-----	------

8.25'

444'

13.7'

-5.4'

469'

15.1'

-6.8'

492'

16.2'

-7.9'

514'

17.6'

-9.3'

533'

18.7'

-10.7'

557'

19.9'

-11.6'

580'

20.7'

-12.4'

TR.

1.65'

8.15'

1.75'

6.50'

TB4.

1.85'

6.30'

Browner 26/47

DISE.

SAND

84 R-48 RW 230 P# 1048 (GL 6.33')

10-10-19

35657-2

R-49

RNG + HI - ROD EL

TBM 2.72 9.10' 6.38

170 2.7 6.4'

190 2.3 6.8'

205 2.0 7.1'

209 4.1 5.0'

231 4.6 4.5'

255 7.8 1.3'

270 10.0 -0.9'

279 12.1 -3.0'

302 12.7 -3.6'

321 12.6 -3.5'

345 12.9 -3.8'

369 13.2 -4.1'

393 14.1 -5.0'

418 15.1 -6.0'

442 16.5 -7.4'

462 17.6 -8.5'

483 19.2 -10.1'

510 20.3 -11.2'

T.P. 2.04 9.05' 2.09 7.01'

TBM 2.28 6.77'

1050 6.63

BROWNS

25/165

SH R-49 RNG 170 # 1049

SAND @ HUB

" " "

SAND

SH R-49 RNG 190 # 1050 6.63

10/10/19

35657-2

R-50

RUN.	+	H1	-	R20	RUN.
TOT.	2.25'	9.48'			7.23'
100'				2.2'	7.3'
110'				2.1'	7.4'
120'				1.9'	7.6'
125'				2.0'	7.5'
129'				4.5'	5.0'
145'				4.7'	4.8'
163'				7.1'	2.4'
185'				10.0'	-0.5'
193'				12.7'	-3.2'
214'				12.7'	-3.2'
234'				12.4'	-2.9'
254'				12.7'	-3.2'
274'				13.3'	-3.8'
296'				13.9'	-4.4'
321'				15.1'	-5.6'

Broward

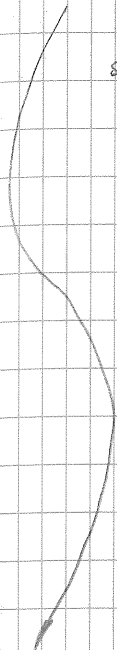
26/48

DESC.

SH R-50 RUG 100' PTA/051

SAND SH

SH.



10/10/19

35657.2

Cont'd P-50

Rdg.

+

H1

-

Rd

Elev.

Rise

9.48'

345'

16.0'

-6.5'

SAND

366'

17.3'

-7.8'

391'

18.7'

-9.2'

412'

20.0'

-10.5'

435'

21.1'

-11.6'

T.O.

1.59'

9.41'

1.66'

7.82'

T.M.

1.87'

7.54'

SHA R-50 Rng 120' PT. #1052 (Elev 7.53')

Bumped

26/49

10-10-19

35657-2

R-51

RNG	+	111	-	ROD	R
TBM	1.65	839'			6.74
80				1.6	6.8'
100				2.0	6.4'
115				2.1	6.3'
126				4.4	4.0'
151				4.0	4.4'
176				7.7	0.7'
189				9.3	-0.9'
196				7.3	1.1'
219				11.6	-3.2'
243				11.7	-3.3'
266				12.2	-3.8'
290				12.8	-4.4'
315				13.7	-5.3'
336				14.9	-6.5'
362				16.3	-7.9'
395				17.5	-9.1'
406				18.7	-10.3'
430				19.5	-11.1'
T.P.	171	830'	180		6.59
			1.90		6.70'

1054

6-33

BROWARD

25/100

SH R-51 RNG # 1053

SAND @ 110B

" " "

SAND

10/16/19

35651-2

R-52

Run	+	N	-	Run	Slow
784	1.45'	8.25'			6.80'
100'				1.3'	7.0'
120'				1.5'	6.8'
131'				1.3'	7.0'
136'				4.3'	4.0'
148'				5.1'	3.2'
166'				4.6'	3.7'
187'				7.4'	0.9'
199'				9.4'	-1.1'
210'				11.0'	-2.7'
230'				11.3'	-3.0'
250'				11.7'	-3.4'
271'				12.6'	-4.3'
291'				13.2'	-4.9'
314'				14.0'	-5.7'
331'				14.9'	-6.6'

Bamboo

26/50

DESE

SHA R-52 Run 100' 107' 1055

SAND SHA

" "

10/10/19

35657-2

Cont. R-52

Rdg.	+	H1	-	RdD	CLW.
------	---	----	---	-----	------

8-25'

357'

16.1' -7.8'

378'

17.3' -9.0'

400'

18.7' -10.4'

424'

19.8' -11.5'

449'

20.9' -12.6'

TR. 1.21' 8.12' 1.34' 6.91'

TBL. 1.52' 6.60'

Beamed

26/51

10552

SAND

SH R-52 Rdg 120 P/F 1056 (CG-6.65')

35657-2

R-53

RNG	+	HI	-	ROD	EL
TBM	2.29	8.43'			G.M.
60				2.3	6.1'
80				2.2	6.2'
86				2.0	6.4'
89				3.9	4.5'
100				4.5	3.9'
118				4.8	3.6'
141				8.0	0.4'
154				9.7	-1.3'
159				10.7	-2.3'
183				11.3	-2.9'
202				11.6	-3.2'
230				12.7	-4.3'
255				13.6	-5.2'
282				14.8	-6.4'
302				16.2	-7.8'
322				17.6	-9.2'
346				18.7	-10.3'
370				20.0	-11.6'
T.P.	1.86	8.34'	1.95		6.48'
TBM			2.14		6.20'

1058 6.23

BLOWN

25/107

SH R-53 RNG

1057

SAND @ HUB

" " "

SAND

SH R-53 RNG 80

1058

6.23

10/10/19

35657-2

R-54

Rdg.	+	HI	-	Rod	Clay
734	2.19'	9.00'			6.81'
50'				2.1'	6.9'
70'				2.6'	6.4'
83'				2.4'	6.6'
85'				4.6'	4.4'
92'				4.9'	4.1'
110'				4.7'	4.3'
128'				7.0'	2.0'
152'				10.1'	-1.1'
158'				11.5'	-2.5'
181'				11.2'	-2.2'
199'				12.3'	-3.3'
224'				13.5'	-4.5'
245'				13.8'	-4.8'
264'				14.4'	-5.4'
284'				15.8'	-6.8'

Braun 26/52

10/10/19

SL R-54 Rng 50' P1059

Sms 54'

4

10/10/19

35657.2

Cant 12-54

Rug.

+

141

-

Rug

Elev.

9.00'

308'

16.9' -7.9'

326'

17.9' -8.9'

353'

19.4' -10.4'

381'

20.7' -11.7'

TP.

2.28'

8.89'

2.39'

6.61'

T.B.

2.52'

6.37'

Broward 24/153

Dose

SAND

S.H. 12-54 Rug 70' PT. # 1060 (Elev. 6.34')

10-10-19

35657-2

BLOWARD

25/
68

RNG	+	R.55	-	ROD	EL
TBM	0.93	7.56'			6.63
50				0.9 7.2	6.7'
70				1.0	6.6'
74				1.3	6.3'
90				4.4	3.2'
110				5.0	2.6'
135				7.4	0.2'
159				8.0	-0.4'
183				9.8	-2.2'
207				10.7	-3.1'
235				11.5	-3.9'
260				12.7	-5.1'
283				14.1	-6.5'
314				15.7	-8.1'
337				17.2	-9.6'
354				18.7	-11.1'
385				19.9	-12.3'
T.P.	0.71	7.50'	0.77		6.79'
TBM			1.00		6.50'

SH R.55 RNG 50 # 1061

SAND @ HUB

" " "

SAND

SH R.55 RNG 20 # 1062

6.43

10/10/19

35657-2

R-56

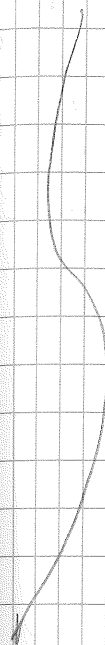
Rel.	+	H1	-	RoD	CLON.
784	1.45'	8.43'			6.98'
80'				1.5'	6.9'
100'				1.6'	6.8'
103'				1.6'	6.8'
106'				4.1'	4.3'
122'				5.2'	3.2'
136'				4.9'	3.5'
156'				2.8'	0.6'
167'				2.3'	-0.9'
187'				2.8'	-1.4'
211'				10.6'	-2.2'
234'				11.7'	-3.3'
253'				12.2'	-3.8'
278'				13.2'	-4.8'
302'				14.3'	-5.9'
320'				15.4'	-7.0'

Braun 26/54

DISE

SH R-56 RUG 80' RJA 1063

8 and SH



10/10/19

35657-2

Cont. R56

Rug.

+

H1

-

R20

Elev.

8.43'

339'

16.5'

-8.1'

361'

17.9'

-9.5'

383'

19.2' -10.8'

407'

20.5' -12.1'

TP.

1.28'

8.37'

1.34'

7.09'

Tall.

1.58'

6.79'

P. 26/55

R56

BRAND

S4 R-56 RNS 100" PT 1064 (61-6.83')

10-10-19

35657-2

R-57

RNG	+	H1	-	ROD	EL
TBM	1.85	8.03'			6.18
90				1.9	6.1'
110				1.4	6.6'
117				1.4	6.6'
121				3.8	4.2'
142				4.7	3.3'
164				7.1	0.9'
187				9.5	-1.5'
212				10.4	-2.4'
236				11.4	-3.4'
260				12.0	-4.0'
284				13.0	-5.0'
309				14.2	-6.2'
332				15.6	-7.6'
357				16.9	-8.9'
377				18.0	-10.0'
393				19.1	-11.1'
T.P.	1.07	7.97'	1.13		6.90'
T.BM			1.27		6.70'

1068 6.57

25/
Browns 1/69

514 R-57 RNG # 1067

SAND @ HUB

" " "

SAND

514 R-57 RNG 110 # 1068

6.57

10/10/69

35657-2

R-58

Reg.	+	1M	-	Red	Elev.
TBM.	1.65'	8.52'			6.87'
75'				1.6'	6.9'
90'				1.3'	7.2'
94'				1.2'	7.3'
97'				4.0'	4.5'
107'				4.9'	3.6'
122'				4.5'	4.0'
142'				7.4'	1.1'
154'				9.8'	-1.3'
172'				10.4'	-1.9'
191'				16.8'	-2.3'
218'				12.0'	-3.5'
241'				12.5'	-4.0'
259'				13.3'	-4.8'
280'				14.3'	-5.8'
304'				15.9'	-7.4'

Barnap 26/56

R-58

SHA R-58 / Pkgs 75' Pkgs 1069

SAND SHA



10/10/19

35657-2

Cont. R 58

Relg.	+	H1	-	Rad	Slav
-------	---	----	---	-----	------

8.52'

327'

17.3' - 8.8'

349'

18.7' - 10.2'

372'

20.1' - 11.6'

Tpa

1.00'

8.41'

1.11'

7.41'

Tav.

1.19'

7.22'

Broward 26/57

DECE.

Sand

21. R-58 R-4.90' P#1070 (at 7.24')

10-10-19

35657-2

R-59

RNG + 111 - ROD EL

TBM 1072 8.33' 66'

45 1.7 6.6'

65 2.0 6.3'

70 1.8 6.5'

74 4.0 4.3'

94 4.0 4.3'

105 4.6 3.7'

130 8.1 0.2'

144 9.9 -1.6'

164 10.9 -2.6'

192 11.6 -3.3'

214 12.8 -4.5'

235 13.5 -5.2'

256 14.4 -6.1'

277 15.5 -7.2'

300 16.6 -8.3'

319 17.7 -9.4'

335 18.7 -10.4'

T.P. 1.74 8.24' 1.83' 5.50'

TBM 1.86 6.38'

1072

1070 6.36

BLOWARD

25/70

SH R-59 RNG 45 RT # 1071

SAND @ HUB

" " "

SAND

SH R-59 RNG 65 # 1072 6.36

10/10/19

35657-2

R-60

RNG.	+	H1	-	Red	CLON.
7611	1.10'	7.21'			6.11'
85				1.1'	6.1'
105'				1.2'	6.0'
109'				1.2'	6.0'
111'				2.7'	4.5'
119'				3.8'	3.4'
142'				4.0'	3.2'
163'				6.4'	0.8'
186'				8.9'	-1.7'
207'				9.3'	-2.1'
230'				10.6'	-3.4'
254'				11.6'	-4.4'
280'				12.6'	-5.4'
305'				13.9'	-6.7'
328'				15.3'	-8.1'
353'				16.9'	-9.7'

Brouard

26/58

DESS

SH. R-60 RNG. 85' PTF 1073

SAND SH

4

10/10/19

25657-2

Cont. R-60

Perf.

+

H1

-

Red

GLOW

7.21"

378'

18.4' - 11.2'

398'

19.5' - 12.3'

419'

20.2' - 13.0'

TR.

0.92'

7.03'

1.00'

6.21'

Tall

1.02'

6.01'

Broward 26/89

Dist.

SAND

}

/

SH. R-60 PLG 105 FT. 1074 (Q- 5.99')

10-10-19

35657-2

RNG	+	R-61 H1	-	ROD	ET
TBM	1.10	8.54'			7.44
105				1.1	7.4'
125				1.3	7.2'
132				1.5	7.0'
141				4.9	3.6'
160				4.8	3.7'
168				4.7	3.8'
191				8.1	0.4'
215				10.6	-2.1'
232				11.2	-2.7'
265				12.3	-3.8'
289				13.0	-4.5'
312				14.0	-5.5'
332				15.0	-6.5'
357				16.6	-8.1'
380				18.3	-9.8'
405				19.6	-11.1'
T.P.	1.06	8.44'	1.16		7.38'
TBM			1.16		7.28'

1076

7.24

BLOWN

25/71

SH R-61 RNG 105 # 1075

SAND @ HUB

" " "

SAND

SH R-61 RNG 125 # 1076

7.24

10/10/19

35657.2

R.62

Rw.	+	H1	-	Rw	BLV
784	2.66'	7.44'			5.38'
200'				2.0'	5.4'
220'				1.2'	6.2'
227'				1.0'	6.4'
231'				3.1'	4.3'
247'				3.6'	3.8'
260'				4.6'	3.4'
282'				7.1'	0.3'
296'				9.2'	-1.8'
314'				9.8'	-2.4'
335'				10.4'	-3.0'
357'				11.6'	-4.2'
379'				12.2'	-4.8'
400'				13.0'	-5.6'
422'				14.4'	-7.0'

Blowrod 26/60

RWS

SH. R.62 R.W. 200 P1# 1077

SAND SH

L

10/14/19

35657-2

CONT. R-62

Perf.	+	HI	-	ROD	ELOV.
-------	---	----	---	-----	-------

7.44'

446'				15.5'	-8.1
------	--	--	--	-------	------

471'				16.8'	-9.4
------	--	--	--	-------	------

489'				18.0'	-10.6
------	--	--	--	-------	-------

512'				19.4'	-12.0
------	--	--	--	-------	-------

534'				20.3'	-12.9
------	--	--	--	-------	-------

TP.	0.82'	7.25'	1.01'		6.43'
-----	-------	-------	-------	--	-------

TEM.			1.01'		6.24'
------	--	--	-------	--	-------

REMOVED

26/61

ROD

SAND

SH. R-62 PERF 220' PA 1078 (LOC 6.24')

10-10-19

35657-2

R-63

RNG	+	H1	-	ROD	EL
	1.87	8.00'			6.13
95				1.9	6.1'
115				1.4	6.6'
119				1.3	6.7'
124				3.7	4.3'
142				4.4	3.6'
155				4.7	3.3'
172				6.6	1.4'
192				9.5	-1.5'
213				9.5	-1.5'
240				11.6	-3.6'
265				12.5	-4.5'
292				15.5	-7.5'
316				14.7	-6.7'
347				16.7	-8.7'
370				18.1	-10.1'
395				19.5	-11.5'
T.P.	1.00	7.92'	1.08		6.92'
TBM			1.23		6.69'

1080

664

BROWARD

25/77

SH R-63 RNG 95 # 1079

SAND @ HUB

" " "

SAND



SH R-63 RNG 115 # 1080 6.64

10/10/19

35657-2

R-64

Rng.	+	H1	-	Rad	Elev.
Tot.	5.22'	9.07'			6.85'
65'				2.2'	6.9'
85'				1.9'	7.2'
87'				1.8'	7.3'
92'				4.5'	4.6'
100'				4.9'	4.2'
114'				4.9'	4.2'
129'				6.7'	2.4'
148'				9.8'	-0.7'
158'				11.1'	-2.0'
178'				11.7'	-2.6'
193'				11.7'	-2.6'
213'				12.8'	-3.7'
233'				13.6'	-4.5'
255'				14.2'	-5.1'
274'				15.1'	-6.0'

Broward 26/62

R-64

SHA R-64 Rng. 65' Ppt. 1081

SOMO SHA

4

10/20/69

35657-2

Conty. R-64

R/L

+

H1

-

R/L

Elev.

9.07'

295'

16.1' - 7.0'

309'

17.2' - 8.1'

333'

18.4' - 9.3'

350'

19.5' - 10.4'

370'

20.4' - 11.3'

TP.

1.51'

8.93'

1.65'

7.42'

TBM

1.76'

7.17'

Broward 26/63

DISE.

SAND

SA R-64 Aug. 85. STA 1082 (50-7.23')

10-10-19

35657-2

R-65

RNG	+	H1	-	R00	EL
TBM	1.28	7.60'			6.32
70				1.3	6.3'
90				0.8	6.8'
92				0.7	6.9'
96				3.2	4.4'
115				3.3	4.3'
130				6.1	1.5'
154				9.5	-1.9'
177				8.9	-1.3'
203				10.1	-2.5'
229				11.0	-3.4'
249				11.7	-4.1'
275				12.5	-4.9'
290				14.5	-6.9'
310				14.6	-7.0'
335				15.9	-8.3'
360				17.1	-9.5'
383				18.5	-10.9'
T.P.	0.33	7.51'	0.42		7.18'
TBM		7.56	0.71		6.85 6.80'

1084

6.85

BROWARD

25/78

SH R-65 RNG 70 # 1083

SAND @ HUB

" " "

SAND

SH R-65 RNG 90 # 1084

6.85

10/10/19

35657-2

R-66

RNG.	+	H1	-	Rad	SWV.
724	1.89'	8.43'			6.54'
55'				1.9'	6.5'
75'				1.5'	6.9'
79'				4.0'	4.4'
86'				4.7'	3.7'
103'				4.3'	4.1'
120'				6.5'	1.9'
137'				9.4'	-1.0'
145'				11.0'	-2.6'
162'				11.0'	-2.6'
180'				11.0'	-2.6'
199'				12.0'	-3.6'
220'				12.5'	-4.1'
240'				13.1'	-4.7'
267'				14.0'	-5.6'

Broomfield

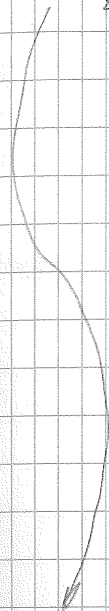
26/64

DESS.

SH R-66 RNG. 55' PT. 1085

SAND SH

4



10/10/19

35657-2

Const. R. 66

R. 66

+

H1

-

R. 66

E. 66

8.43

284'

15.0'

-6.6'

306'

16.3'

-7.9'

331'

17.8'

-9.4'

351'

19.2'

-10.8'

371'

20.2'

-11.8'

TP.

1.13'

8.32'

1.24'

7.19'

Ten.

1.38'

6.94'

BRUNNEN

26/65

D. 66

SAND

SH. R. 66 R. 66.75 P. 1086 (SL = 6.94')

10-10-19

35657-2

R-67

RNG	+	H1	-	ROD	EL
TBM	1.06	7.32			6.26
70				1.1	6.2'
90				0.4	6.9'
96				0.3	7.0'
98				1.9	5.4'
119				4.7	2.6
141				7.3	0.0'
162				10.7	-3.4'
183				11.1	-3.8'
208				11.7	-4.4'
232				10.9	-3.6'
259				11.7	-4.4'
282				12.4	-5.1'
305				13.8	-6.5'
330				14.8	-7.5'
345				15.7	-8.4'
368				17.3	-10.0'
385				18.6	-11.3'
TR	0.15	7.24	0.23		7.09'
TBM			0.36		6.38'

1089 6-87

BROWARD

25/79

SH R-67 RNG 70 # 1087

SAND @ 1 AUG

11 " "

SAND

SH R-67 RNG 90 # 1088

6.87

10/14/19

35657-2

R-68

Ang.	+	H1	-	ROD	CLIM
TEM.	1.05'	7.86'			6.81'
205'				1.0'	6.9'
225'				0.7'	7.2'
235'				0.7'	7.2'
237'				2.1'	5.8'
247'				3.4'	4.5'
267'				6.4'	1.5'
287'				9.5'	-1.6'
296'				11.6'	-3.7'
315'				12.0'	-4.1'
334'				12.0'	-4.1'
350'				12.1'	-4.2'
369'				11.5'	-3.6'
391'				11.1'	-3.2'
411'				12.0'	-4.1'

Broward

26/66

DESC.

SA R-68 ANG. 205' RT 1089

STAND ST.

4

10/10/19

35657-2

Cont. R-68

Pkg.

+

H1

-

Rad

Elev.

7.86'

432'

12.5'

-4.6'

453'

13.3'

-5.4'

473'

14.6'

-6.7'

493'

15.7'

-7.8'

514'

16.8'

-8.9'

535'

18.0'

-10.1'

558'

19.3'

-11.4'

578'

20.2'

-12.3'

TP

0.37'

7.76'

6.47'

7.39'

TBL

0.69'

7.08'

Bamboo

26/67

Desc.

SAND

S4 R-68 Pkg. 225- PT. 1090 (Elev 7.12')

10-10-19

35657-2

R-69

RNG	+	H1	-	ROD	E
TBM	0.70	7.45'			6.75
195				0.7	6.8'
215				0.4	7.1'
218				0.4	7.1'
220				2.1	5.4'
244				4.8	2.7'
264				7.9	-0.4'
280				9.4	-1.9'
285				10.2	-2.7'
303				11.7	-4.2'
324				11.9	-4.4'
345				12.3	-4.8'
364				10.5	-3.0'
384				10.7	-3.2'
408				10.7	-3.2'
438				12.7	-5.2'
460				14.0	-6.5'
482				15.1	-7.6'
502				16.6	-9.1'

1092 704

BRAUN

25/80

SH R-69 RNG 195 # 1091

SAND @ HUB

" " "

SAND

10-10-19

35657-2

Broward

25/91

RNG

+

R-69

111

-

R0A

EL

7.45'

532

17.8

-10.3'

SAND

555

19.1

-11.6'

"

T.P.

0.14

7.36'

0.23

7.22'

TBM

0.36

7.00'

SN R-69

RNL 215

#1092

7.04

10/16/19

35657-2

R70

Rd.	+	HI	-	ROD	ELEV.
TRM.	2.08'	8.97'			6.89'
70'				2.1'	6.9'
90'				1.8'	7.2'
107'				2.3'	6.7'
126'				2.4'	6.6'
132'				3.8'	5.2'
142'				4.9'	4.1'
165'				2.9'	1.1'
187'				10.8'	-1.8'
195'				12.4'	-3.4'
213'				13.4'	-4.4'
233'				13.8'	-4.8'
255'				14.3'	-5.3'
276'				14.3'	-5.3'
297'				13.5'	-4.5'
316'				12.8'	-3.8'

BROWN

26/68

RESC

SH. R 70 Rm. 70' PT# 1098

SAND SH

4

10/10/19

35657-2

Cont R-70

RNG.

+

141

-

Red

GLASS

8.97'

338'

13.0'

-4.0'

361'

13.9'

-4.9'

382'

14.8'

-5.8'

401'

16.1'

-7.1'

425'

17.5'

-8.5'

450'

19.1'

-10.1'

476'

20.6'

-11.6'

TP.

1.60

8.86'

1.71'

2.26'

TMA

1.81'

7.05'

Browsep

26/19

DESE

SAND

SIL R-70 RNG. 90' P#1094 (LLC 7.07')

10-10-19

35657-2

R-71

RNG	+	H1	-	ROD	EL
	0.91	7.72		1	6.81

160

180

195

203

224

248

256

280

306

332

358

363

385

405

429

451

476

496

525

0.4 7.3'

0.7 7.0'

2.4 5.3'

6.0 1.7'

9.8 -2.1'

14.4 -3.7'

12.3 -4.6'

12.9 -5.2'

13.4 -5.7'

12.8 -5.1'

12.1 -4.4'

11.5 -3.8'

11.8 -4.1'

12.7 -5.0'

13.8 -6.1'

15.0 -7.3'

16.0 -8.3'

17.7 -10.0'

7:30 180'

BLOWN

25/83

514, R-71 RNG 160 # 1095

SAND @ HUB

SAND @ HUB

10-10-19

35657-2

R-71

RNG

+

141

-

R00

1E1

7.72'

550

18.8 -11.1'

TIP

0.16

7.64'

0.24

7.48'

TBM

0.37

7.27'

54 R-71 LNK 180

1096

7.30

BROWARD

25/84

10/10/19

35657-2

R-72

RNG.	+	141	-	Rad	BLVD.
TEN.	2.58'	9.54'			6.96'
115'				2.6'	6.9'
135'				2.2'	7.3'
150'				2.2'	7.3'
163'				4.0'	5.5'
175'				4.8'	4.7'
196'				7.4'	2.1'
215'				10.4'	-0.9'
225'				11.3'	-1.8'
235'				13.2'	-3.7'
253'				14.0'	-4.5'
271'				14.5'	-5.0'
291'				14.7'	-5.2'
311'				14.9'	-5.4'
329'				14.4'	-4.9'
348'				14.6'	-5.1'
369'				13.3'	-3.8'
392'				13.8'	-4.3'

26/70

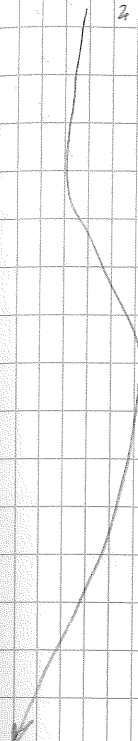
BROWARD

R-72

Sta R-72 R-6. 115' R-1097

Slope Sta.

2



10/10/19

35657-2

Cont. R-72

Rack

+

H1

-

Rao

LUNA

9.54'

415'

15.0'

-5.5'

440'

16.6'

-7.1'

465'

17.9'

-8.4'

483'

19.0'

-9.5'

506'

20.3'

-10.8'

Tp.

1.90'

9.43'

2.01'

7.53'

TBM.

2.24'

7.19'

Bumped

26/71

PAGE

STAND

SH R-72 Rack 135' PJ#1098

(BL=7.16')

10-10-19

35657-2

R-73

RNG	+	HI	-	ROD	EL
TBM	1.03	7.91'			6.88
80				1.1	6.8'
100				0.9	7.0'
110				1.0	6.9'
133				4.7	3.2'
156				8.2	-0.3'
170				10.0	-2.1'
174				11.4	-3.5'
202				12.2	-4.3'
225				12.7	-4.8'
252				13.3	-5.4'
270				12.8	-4.9'
292				11.8	-3.9'
324				11.6	-3.7'
343				12.5	-4.6'
365				13.8	-5.9'
390				14.8	-6.9'
420				16.2	-8.3'

1100 6.90

BLOWN

25/85

SH R-73 RNC 80 # 1099

SAND @ 1100

" " "

SAND



10-10-19

35657-2

R-73

RNG

+

H1

-

R00

E1

7.91'

438

17.6

-9.7'

SLAM

450

19.0

-11.1'

T.R.

0.61

7.83'

0.69

7.22'

0.76

~~6.97~~

7.07

SH

R-73

RNG 100

1100

G.99

BROWARD

25/86

10/10/19

35657-2

R-74

Run	+	M1	-	Run	Elev.
TBM	0.90'	8.81'			7.91'
120'				0.9'	7.9'
132'				0.9'	7.9'
140'				1.8'	7.0'
160'				3.5'	5.3'
173'				4.7'	4.1'
195'				8.2'	0.6'
215'				10.6'	-1.8'
225'				12.6'	-3.8'
250'				13.0'	-4.2'
270'				13.1'	-4.3'
295'				13.8'	-5.0'
316'				14.0'	-5.2'
338'				13.8'	-5.0'
359'				13.7'	-4.9'
381'				13.1'	-4.3'
400'				13.1'	-4.3'
420'				13.7'	-4.9'
446'				14.6'	-5.8'
460'				16.2'	-7.4'
478'				17.0'	-8.2'
494'				18.1'	-9.3'
TP	1.46'	8.65'	1.62'		7.19'
TBM			1.70'		6.95'

Blanco

26/72

DISE

SHA R-74 R/W 120' PT# 1101

SAND SH

SH

SHA R-74 R/W 140' PT# 1102 (EL = 6.88')

10-10-19

35652-2

R-75

RNG	t	H1	-	ROD	Σ
TBM	1.20	8.96'			7.76
95				1.2	7.8'
115				1.7	7.3'
130				1.9	7.1'
159				1.9	7.1'
175				4.4	4.6'
202				2.1	1.9'
228				10.5	-1.5'
236				12.4	-3.4'
264				14.0	-5.0'
275				12.0	-3.0'
298				11.5	-2.5'
325				12.1	-3.1'
357				13.0	-4.0'
374				13.7	-4.7'
398				14.6	-5.6'
419				15.6	-6.6'

7.32

BROWARD

25/
87

SIT R-75 RNG 95 # 1103

SAND (D) HUB

L H F

SAND



10-10-19

35657-2

R-75

RNG + HI - ROD @

8.96'

448

16.8 -7.8'

SAND

476

18.3 -9.3'

S

498

19.6 -10.6'

S

TIR 1.34 8.88' 1.42

7.54'

TBM

1.63

7.25'

SH R-TS AVG HS # H04 7.32

BLOWARD

25/88

10/10/19

35657-2

R-76

Run	+	H1	-	R20	GLW
-----	---	----	---	-----	-----

TBM	0.88	8.37			7.49
-----	------	------	--	--	------

145'				0.8	7.6'
------	--	--	--	-----	------

165'				1.3	7.1'
------	--	--	--	-----	------

186				1.4	7.0'
-----	--	--	--	-----	------

192				3.0	5.4'
-----	--	--	--	-----	------

207				4.6	3.8'
-----	--	--	--	-----	------

230				7.7	0.7'
-----	--	--	--	-----	------

249				10.4	-2.0'
-----	--	--	--	------	-------

261				12.7	-4.3'
-----	--	--	--	------	-------

281				13.0	-4.6'
-----	--	--	--	------	-------

301				13.6	-5.2'
-----	--	--	--	------	-------

314				14.1	-5.7'
-----	--	--	--	------	-------

337				12.1	-3.7'
-----	--	--	--	------	-------

357				11.6	-3.2'
-----	--	--	--	------	-------

376'				12.0	-3.6'
------	--	--	--	------	-------

395'				12.9'	-4.5'
------	--	--	--	-------	-------

414'				13.7'	-5.3'
------	--	--	--	-------	-------

434'				14.1'	-5.7'
------	--	--	--	-------	-------

446'				15.4'	-7.0'
------	--	--	--	-------	-------

470'				16.6'	-8.2'
------	--	--	--	-------	-------

491'				18.0'	-9.6'
------	--	--	--	-------	-------

513'				19.2	-10.8'
------	--	--	--	------	--------

TP	0.93	8.18	1.12		7.25
----	------	------	------	--	------

TBM			1.19		6.99
-----	--	--	------	--	------

6.99

BROWARD

26/13

RASC

SIL R-76 RING 145' PT# 1105

SAND SW

W

SIL R-76 RING 145' PT# 1106 (GL=6.99')

10-10-19

35657-2

R-77

RNG	+	H1	-	ROD	EL
TBM	0.72	8.31'			7.59
190				0.7	7.6'
210				0.7	7.6'
215				1.2	7.1'
226				2.8	5.5'
240				3.5	4.8'
260				6.1	2.2'
280				8.0	-0.7'
290				10.2	-1.9'
299				12.3	-4.0'
306				12.9	-4.6'
332				12.5	-4.2'
356				12.6	-4.3'
381				11.3	-3.0'
407				11.8	-3.5'
427				13.1	-4.8'
466				14.0	-5.7'

1103

2.54

BROWARD

25/89

SIN R-77 RNG 190 # 1107

SAND @ 1103

" " "

SAND

10-10-19

35657-2

BROWARD

25/90

R-77

RNG + H1 - ROD EL

8.31'

489

15.3

-7.0'

SAND

509

17.1

-8.8'

550

18.8

-10.5'

T.P.

0.52

8.22'

0.61

7.70'

TBM

0.68

7.54'

SH R-77 RNG 210 # 1108

10/10/19

35657-2

R-78

RNG.	+	H1	-	RECD	ELCV
TM	1.86'	8.91'			7.05'
185'				1.9'	7.0'
205'				1.6'	7.3'
210'				1.8'	7.1'
219'				3.3'	5.6'
241'				5.7'	3.2'
264'				9.3'	-0.4'
279'				11.0'	-2.1'
287'				13.2'	-4.3'
309'				13.3'	-4.4'
328'				13.7'	-4.8'
348'				14.1'	-5.2'
361'				14.1'	-5.2'
386'				14.0'	-5.1'
405'				13.0'	-4.1'
421'				13.7'	-3.8'
446'				13.4'	-4.5'
461'				14.7'	-5.8'
478'				15.4'	-6.5'
500'				16.6'	-7.7'
523'				18.1'	-9.2'
540'				19.0'	-10.1'
558'				20.2'	-11.3'
TP	1.23'	8.78'	1.36'		7.55'
TM			7.55'		7.23'

BROWSED

26/74

DESR

'SR R-78 RNG 185' PT 11/109

BRAND SH.

SR R-78 RNG 205' PT 1110 (EL = 7.25')

10-28-19

35657-2

D. VOITLOBEK

OLSEN + ASSOCIATES

M. BARKER

BEACH PROFILES WATER PORTION

D. TITUS

R-81, TO R-85 & RETURN R-79

C. HARTENAU

R-79

RNG	+	HL	-	ROD	EL
TBM	2.43	8.58			6.15
350				2.4	6.2
370				2.3	6.3
390				2.2	6.4
412				5.4	3.2
434				8.1	0.5
457				11.1	-2.5
479				12.4	-3.8
504				13.0	-4.4
530				13.4	-4.8
554				13.6	-5.0
576				13.9	-5.3
598				13.8	-5.2
620				13.7	-5.1
643				13.7	-5.1
664				14.3	-5.7

1112

6.09

BROWNS

27 / 11

SA R-79 RNG

1111

SAND @ 1111

" " "

SAND

10-28-19

35657-2

R-79 CONT

RNG + HI - ROD EL

8.58

685 17.0 -8.4

705 18.6 -10.0

729 19.8 -11.2

749 20.6 -12.0

TIP 1.62 8.38 1.82 6.76

TBM 2.27 6.11

BROWARD

251/172

SH R-79 RNG 370 # 1112 C-09

10/10/19

356572

R-80

Point	+	N1	-	R-80	ELV
TBM	1.69'	7.67'			5.98'
300'				1.7'	6.0'
310'				1.5'	6.2'
320'				1.1'	6.6'
335'				0.6'	7.1'
343'				2.2'	5.5'
364'				4.1'	3.6'
387'				7.5'	0.2'
404'				9.7'	-2.0'
413'				11.8'	-4.1'
434'				12.2'	-4.5'
451'				12.5'	-4.8'
471'				12.9'	-5.2'
487'				12.7'	-5.0'
508'				12.2'	-4.5'
531'				12.2'	-4.5'
550'				12.9'	-5.2'
562'				13.7'	-6.0'
589'				15.1'	-7.4'
610'				16.4'	-8.7'
630'				17.4'	-9.7'
TP	2.29'	8.96'	1.00'		6.67'
TRM			2.44'		6.52'

6.49'

BROWARD

26/75

R-80

SH R-80 Rng. 340' PT. # 1113

R-80 SH

SH

SH R-80 Rng. 320' PT. # 1114 (ELC 6.49')

10-28-19

35657-2

R-81

RNG	+	HI	-	200	EL
TBM	2.63	9.07			6.44
290				2.6	6.5
310				2.4	6.7
333				2.0	7.1
350				4.5	4.6
371				6.0	3.1
394				9.1	0.0
414			11.7	7.7	-2.6
436				13.4	-4.3
459				12.3	-3.2
481				12.1	-3.0
505				12.6	-3.5
528				13.5	-4.4
552				13.8	-4.7
572				16.0	-6.9
594				16.9	-7.8
616				17.8	-8.7
638				18.8	-9.7
659				20.1	-11.0
T.P.	2.18	9.30	1.95		7.12
TBM			272		6.58

5015 310 6.57

BROWARD

271
13SH R-81 ANG 290 th 5014

SAND @ HUB

" " "

SAND

SH R-81 ANG 310 th 5015 6.57

10-28-19

35652-2

R-81.3

RNG	+	111	-	ROD	EL
TBM	2.48	8.28			5.80
270				2.4	5.9
290				1.8	6.5
309				1.7	6.6
323				3.2	5.1
344				6.6	1.7
363				9.0	-0.7
384				11.4	-3.1
404				10.8	-2.5
428				10.9	-2.6
449				11.6	-3.3
474				12.4	-4.1
498				13.3	-5.0
524				14.4	-6.1
542				15.2	-6.9
562				16.3	-8.0
584				17.9	-9.6
605				19.5	-11.2
628				20.8	-12.5
T.P.	1.58	8.45	1.41		6.87
TBM.			2.01		6.44

5017 290 6.40

BROWNE

22/11

SH R-81.3 RNG 270 # 5016

SAND @ HUB

" " "

SAND

SH R-81.3 RNG 290 # 5017

6.40

10-28-19

35657-2

R-81.7

RNG	+	H1	-	ROD	EL
TBM	2.34	7.39			5.03
335				2.3	5.1
355				1.7	5.7
377				2.0	5.4
395				4.8	2.6
416				7.6	-0.2
435				10.4	-3.0
457				11.3	-3.9
480				11.7	-4.3
502				12.3	-4.9
527				12.9	-5.5
552				13.3	-5.9
572				13.3	-5.9
594				13.6	-6.2
617				15.4	-8.0
638				17.0	-9.6
662				18.7	-11.3
682				19.9	-12.5
TP.	1.12	7.18	1.33		6.06
			1.50		5.08

5019 355 5.78

BROWARD

277

15

SH R-81.7 RNG 335 # 5018

SAND @ HUB

" " "

SAND

SH R-81.7 RNG 355 # 5019

5.79

10-28-19

35657-2

R-82

RNG	+	141	-	ROD	EL
TBM	1.50	7.96			6.46
335				1.5	6.5
355				1.4	6.6
372				1.4	6.6
392				3.5	4.5
410				4.6	3.4
428				6.4	1.6
448				8.9	-0.9
470				11.2	-3.2
495				11.8	-3.8
520				12.0	-4.0
542				12.1	-4.1
566				12.6	-4.6
590				14.3	-6.3
614				16.0	-8.0
634				16.9	-8.9
657				18.2	-10.2
685				19.7	-11.7
T.P.	0.98	7.84	1.10		6.86
TBM			1.41		6.43

5021 - 355 6.44

350WARD

27/16

SH R-82 RNG 335 # 5020

SAND @ HVB

" " "

SAND

SH R-82 RNG 355 # 5021 6.44

10-28-19

35657-2

R-823

RNG	T	H1	-	R00	E
TBM	1.04	7.86			6.82
340				1.0	6.9
360				1.3	6.6
381				1.2	6.7
398				2.5	5.4
400				4.2	3.7
417				6.2	1.7
437				8.4	-0.5
459				10.3	-2.4
482				11.2	-3.3
503				11.3	-3.4
527				12.1	-4.2
552				13.1	-5.2
579				13.6	-5.7
607				14.8	-6.9
627				16.4	-8.5
647				18.0	-10.1
670				19.3	-11.4
690				20.1	-12.2
T.P.	0.44	7.31	0.99		6.87
			0.82		6.49

#5023 360 6.49

BROWN

271

117

SN R-82.3 RNG 340 #5022

SAND @ 11.8

" " "

SAND

SN A-82.3 RNG 360 #5023

6.49

10-28-19

35257-2

R-82.7

RNG	+	HL	-	ROD	E
TBM	1.04	7.50			6.46
340				1.0	6.5
360				0.8	6.7
376				0.9	6.6
390				2.6	4.9
409				5.0	2.5
431				7.1	0.4
453				8.2	-0.7
477				8.5	-1.0
501				9.5	-2.0
523				10.9	-3.4
548				12.1	-4.6
573				13.6	-6.1
597				15.2	-7.7
616				16.2	-8.7
635				17.2	-9.7
655				18.4	-10.9
674				19.5	-12.0
T.A.	0.27	7.44	0.33		7.17
			0.71		6.73

5025 360 6.77

BROWARD

27/18

SH R-82.7 RNG 340 # 5024

SAND (W) 11.0

" " "

SAND

SH R- 82.7 RNG 360 # 5025 677

RNG	+	H1	-	R09	E
TBM	0.40	8.91			8.51
600				0.4	8.5
620				0.8	8.1
640				1.9	7.0
662				2.5	6.4
683				3.5	5.4
691				3.8	5.1
710				7.0	1.9
733				8.3	0.6
754				10.0	-1.1
777				11.6	-2.7
801				13.2	-4.3
825				15.2	-6.3
851				17.1	-8.2
875				18.3	-9.4
892				19.2	-10.3
910				20.2	-11.3
929				21.1	-12.2
T.P.	1.09	9.55	0.45		8.46
TBM			1.49		8.06

SIN R- # 5029

10-28-19

35657-2

R-83.7

RNG	+	H1	-	R00	Q
TBM	213	10.50			8.37
580				2.1	8.4
600				1.8	8.7
623				1.7	8.8
646				4.4	6.1
664				6.9	3.6
685				7.9	2.6
706				9.7	0.8
728				12.0	-1.5
752				13.8	-3.3
778				15.4	-4.9
804				17.0	-6.5
824				18.4	-7.9
851				19.5	-9.0
870				20.2	-9.7
891				21.2	-10.7
910				22.1	-11.6

T.P. 1.75 10.83 1.42 9.08
T.B.M. 213 8.70

5031 620 8.69

BAND-111

22/
21

SH R-83.7 RNG 580 # 5030

SAND @ 114B

" " "

SAND

SH R-83.7 RNG 600 # 5031 8.69

10-28-19

35657-2

2.84

RNG + 141 - R04 EL

TBM 2.87 10.26 739

305 2.9 7.4

325 2.5 7.8

343 2.7 7.6

365 4.6 5.7

390 2.1 3.2

417 9.4 0.9

442 12.0 -1.7

467 14.2 -3.9

493 16.0 -5.7

520 17.6 -7.3

536 18.4 -8.1

552 19.1 -8.8

573 19.9 -9.6

590 20.5 -10.2

606 21.0 -10.7

622 21.2 -10.9

T.P. 265 10.81 2.10 8.16

TBM 3.07 7.74

5033 325 7.68

22/22

22/

22

SN R-84 ANG 305 # 5032

SAND (HND

" " "

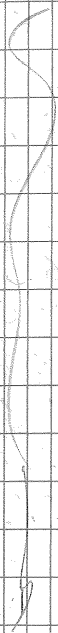
SAND

ROCK

SN R-84 ANG 325 # 5033 7.68

RNG	+	H1	-	R00	EL
78M	1.48	8.94			7.46
260				1.4	7.5
280				1.1	7.8
298				1.7	7.2
318				3.1	5.8
338				5.1	3.8
361				6.8	2.1
385				9.6	-0.7
408				11.9	-3.0
430				13.4	-4.5
456				15.5	-6.6
480				17.3	-8.4
505				18.3	-9.4
529				19.9	-11.0
553				21.3	-12.4
573				22.2	-13.3
598				23.3	-14.4
614				23.9	-15.0
T.P.	1.46	2.63	0.77		8.17
78M			1.84		7.79

27/23

STA R-943 ANG 260 # 5034
 SAND @ 1113
 SAND

 STA R-943 ANG 280 # 5035 782

10-28-19

35657-2

R-85

RNG	+	141	-	ROD	EL
TBM	2.14	2.74			5.60
120				2.6	5.1
131				2.2	5.5
135				3.2	4.5
151				5.2	2.5
173				8.6	-0.9
189				10.4	-2.7
193				11.3	-3.6
212				11.8	-4.1
231				12.2	-4.5
260				12.5	-4.8
285				12.7	-5.0
309				12.9	-5.2
333				13.0	-5.3
358				13.2	-5.5
383				13.2	-5.5
408				13.1	-5.4
415				13.1	-5.4
435				13.2	-5.5
462				13.3	-5.6
487				13.1	-5.4

5039 135 3.8.0 BROWN

22/25

SN R-85 RNG 131 # 5039

GB

TOS

TOS VEL

SAND

10-28-19

35057-2

R-85 CONT.

RNG + H1 - ROD EL

7.74

512 12.8 -5.1

536 12.3 -4.6

562 12.7 -5.0

588 13.4 -5.7

614 14.5 -6.8

636 15.9 -8.2

660 22.0 -14.3

T.P. 2.83 2.38 3.19 4.5

TBM 3.61 3.27

HOWARD

27/
26

SAND

SHR-85 RNG 135 # 5039 3.80

M-4-19 35657-2

P. Voute (GUSEN) POOF-DORIAN PROFILES

R.AMB. J.Wa R-85.7

Fig	+	41	-	POO	EM
BM	0.56	7.76			7.00
10				0.5	7.3
25				2.2	5.6
36				2.6	5.2
59				5.6	2.2
83				8.0	-0.2
106				9.4	-1.6
130				9.7	-1.9
156				10.1	-2.3
176				10.0	-2.2
184				6.4	+1.4
191				3.4	+4.4
197				4.2	+3.6
204				6.2	+1.6
212				13.2	-5.4
234				14.5	-6.7
253				15.2	-7.4
274				15.9	-8.1
295				16.3	-8.5
319				16.6	-8.8
TP	2.62	7.65	2.73		5.03
BM			2.08		5.57

Bro GG 29

S# 5302 NS 10

GG @ LATA

" "

VEG

SAND

TOE BOULDERS

TOP

"

"

"

"

"

"

"

TOE

"

S# 5303 25' (5.55)

11-4-19

35657-2

R-86

RNG	+	AI	-	POO	CE
BM	2.32	7.87			5.55
39				2.3	5.6
40				4.2	3.7
65				8.2	-0.3
86				9.9	-2.0
113				10.2	-2.3
137				10.7	-2.8
166				11.6	-3.7
196				13.1	-5.2
219				14.5	-6.6
242				15.3	-7.4
265				16.2	-8.3
TP	0.34	7.90	0.31		7.56
BM			0.71		7.19

300 66/30

DESC

ST# 5303 WINGS 25'

TOP OF WALL

SNO @ WALL



ST# 5302 RNG 10 (7.20')

RNG 29 ELEV 8.2 @ FENCE

ROCKS

H-4-19

35657-2

R-86.3

NOG	+	AI	-	ROD	EL
BM	0.95	8.86			7.91
95				0.9	8.0
105				1.7	8.2
119				2.5	6.4
140				6.3	2.6
160				8.9	0.0
173				10.6	-1.7
196				11.3	-2.4
217				11.6	-2.7
243				12.4	-3.5
274				13.4	-4.5
297				14.8	-5.9
320				15.8	-6.9
340				16.6	-7.7
TP	3.01	8.78	3.09		5.77
BM			1.54		7.24

DESC

SH # 5309 RJS 95

VEG @ LARA

SAND "



SH # 5310 RJS 105 (7.26)

11-4-19

35657-2

B2066/33

R-86.5

LOG	+	HI	-	POD	BL
BM	2.90	6.97			3.87
101				2.7	1.1
106				3.3	3.5
122				4.6	2.2
142				6.7	0.1
159				8.7	-1.9
179				9.3	-2.5
202				9.8	-3.0
224				9.8	-3.0
248				9.7	-2.9
270				9.9	-3.1
292				10.7	-3.9
314				11.1	-4.3
318				9.2	-2.4
TP	4.16	7.84	3.29		3.48
BM			4.35		3.29

DESC.

SH # 5311 RG 101

SNO @ LATH

ROCK

TOE ROCK BOUNDRS

SH # 5312 RG 106 (3.23)

11-4-19

35657-2

12-86.7

NO	+	HI	-	ROD	EL
BM	3.05	7.18			4.13
58				2.6	4.6
63				3.6	3.6
82				5.5	1.7
102				7.7	-0.5
125				8.9	-1.7
150				10.3	-3.1
180				10.0	-2.8
205				10.8	-3.6
230				11.7	-4.5
250				12.4	-5.2
275				13.3	-6.1
297				14.3	-7.1
320				14.8	-7.6
340				15.2	-8.4
TP	4.25	7.70	3.73		3.45
BM			4.33		3.37

B7066/32

DESC

S# 5313 RIG 58

SAND @ LATA

ROCKS

S# 5214 RIG 63 (3.35)

H-4-19

35657-2

R-87

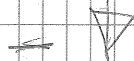
RIG	+	H1	-	ROO
BM	3.88	7.73		3.85
237				3.8 3.9
243				4.4 3.3
262				6.5 1.2
280				8.7 -1.0
307				10.2 -2.5
330				11.2 -3.5
357				11.5 -3.8
379				12.4 -4.7
399				12.9 -5.2
417				13.9 -6.2
TP	4.08	7.61	4.20	3.53
BM			4.48	3.13

Bro 66/34

5315 RIG 237

SAND @ LAMP

"



S# 5316 RIG 243 (3.08)

11-4-19

35657-2

R-87.2

Lab	+	H1	-	Ro0	a
Bm	2.53	7.18			4.65
6				2.81	4.7
13				3.9	3.3
33				6.4	0.8
54				7.4	-0.2
74				8.9	-1.7
96				10.2	-3.0
117				11.3	-4.1
137				12.4	-5.2
155				13.1	-5.9
174				14.0	-6.8
197				15.0	-7.8
215				15.5	-8.3
TP	1.71	7.44	1.45		5.73
Bm			4.37		3.07

Brno 66/35

DESC.

SHA# 5317

NO 6

SAND @ LARA

Rocks

SAND

Rock

SHA#

5318 NO 13 (3.06)

11-4-19

35657-2

R-87.5

RWG	+	AI	-	ROD	EL
BM	4.42	11.22 11.95			6.50 7.53
1				4.4	7.6
4				7.9	4.1
TP	4.42	6.81 2.34	9.03		2.92 2.19
9				4.5	2.8
28				6.3	1.0
51				7.8	-0.5
76				9.5	-2.2
100				10.5	-3.2
126				12.2	-4.9
143				13.0	-5.7
162				13.9	-6.6
179				14.5	-7.2
199				15.1	-7.8
218				15.4	-8.1
239				15.8	-8.5
BM			4.83		17.8 17.51
BM	4.26	6.97			2.71
			4.45		2.52
TP	6.52	12.28	1.21		5.76
	4.52	12.05	4.75		7.53
TP	1.63	7.40	6.28		5.77
			4.87		2.53

Bro 66/36

DESC-

SH# 5319 ROD 1 (7.53) 505 Below

TOP VEG

SAND

SAND

SH# 5320 ROD 9 (2.44)

5322 (2.71)

SH# 5320 (2.44)

5319 (6.80)

5320 (2.44)

11-4-19

35657-2

12-87.7

NG	+	HI	-	ROD	EL
BM	8.82	11.53			2.71
135				8.6	2.9
131				7.8	3.7
127				7.0	4.5
125				4.4	7.1
112				5.0	6.5
70	3.54	7.05	8.02		3.51
153				5.9	1.2
173				6.6	0.5
196				8.5	-1.4
223				10.1	-3.0
249				11.2	-4.1
270				12.5	-5.4
291				13.1	-6.0
306				13.8	-6.7
328				14.7	-7.6
348				15.0	-7.9
367				15.2	-8.1
BM			3.37		3.68

Bno 66/37

DESC.

SHA# 5322 NG 135

SADQ DATA

TOE

TOB VEG

GB

SHA# 5321 NG 131 (3-77)

10-31-19

35657-2

R-88

RNC	+	111	-	ROD	EL
TBM	1.75	7.23			5.48
235				1.7	5.5
240				2.9	4.3
257				5.7	1.5
276				7.1	0.1
298				7.7	-0.5
324				8.9	-1.7
343				10.2	-3.0
364				11.4	-4.2
387				13.1	-5.9
416				13.9	-6.7
432				14.3	-7.1
460				15.1	-7.9
492				15.2	-8.0
530				15.3	-8.1
550				16.1	-8.9
T.P.	3.16	7.82	2.57		4.66
TBM			3.61		4.21

5924

240

4.22

Blowup

271

156

SK R-88 RNC 235 " 5323

TOE SAND (w) HUB

SAND " "

SAND

SK R-88 RNC 240 " 5324 4.22

10-31-19

356.57-2

R-882

RNC	+	141	-	ROD	E
TBM	4.90	8.50			3.60
129				1.4	7.1
134				0.9	7.6
139				4.8	3.7
144				5.8	2.7
161				7.9	0.6
181				8.9	-0.4
207				9.5	-1.0
223				10.8	-2.3
255				11.9	-3.4
275				13.7	-5.2
292				14.7	-6.2
307				15.3	-6.8
322				15.8	-7.3
341				15.9	-7.4
358				16.0	-7.5
376				16.4	-8.1
397				16.6	-8.1

5326 144

BROWAL

27/54

511 R-882 RNC 139 5325

GB

708 VEC

708 SAW

SAND

ROCK

"

"

10-31-19

35657-2

R-88.2 CONT

RNG

+

141

-

ROD

EL

8.50

415

16.4

-7.9

430

17.0

-8.5

450

17.0

-8.5

TIP

4.92

8.22

5.20

3.30

TBM

5.81

2.41

2.38

Brownell

27/58

SAND

SK

R-88.2

RNG

144

H 5326

2.38

10-31-19

35657-2

R-88.5

RNC	+	141	-	R00	EL
TBM	2.04	5.39			3.35
35				2.0	3.4
40				2.6	2.8
60				4.6	0.8
78				5.4	0.0
100				6.1	-0.7
123				7.8	-2.4
148				9.3	-3.9
163				10.1	-4.7
189				11.0	-5.6
212				11.7	-6.3
236				13.1	-7.7
259				13.1	-7.7
285				15.0	-9.6
304				15.9	-10.5
323				16.3	-10.9
342				16.1	-10.7
T.P.	3.13	6.27	2.25		3.14
TBM			3.80		2.47

5328 40.233

BROWARD

27/

53

SH R-88.5 RNC 35 #5327

SAND @ HUB

" " "

SAND

ROCK

ROCK

SAND

ROCK

"

SAND

ROCK

"

SH R-88.5 RNC 40 #5328

2.33

10-31-19

35657-2

R-89

RNG	+	111	-	Refr	E
TBM	0.80	6.71			5.91
193				0.7	6.0
200				1.8	4.9
218				4.5	2.2
236				5.8	0.9
260				6.7	0.0
286				8.3	-1.6
313				10.2	-3.5
334				11.8	-5.1
357				13.9	-7.2
378				14.9	-8.2
399				14.3	-7.6
420				15.4	-8.7
440				15.7	-9.0
463				15.8	-9.1
480				15.6	-8.9
505				15.1	-8.4
T.P.	1.20	6.40	1.51		5.20
TBM			1.57		4.83

5330 200 4.83

300WARD

27/
52

SH R-89 RNG 193 # 5329

TOE VEL @ 1113

SAND @ 1118

ROCK

"

"

"

SAND

ROCK

"

SH R-89 RNG 200 # 5330 4.83

1057-19

35657-2

R-895

RNG	+	H1	-	R00	EL
TBM	0.15	6.99			6.84
186				0.1	6.9
191				0.9	6.1
196				1.5	5.5
202				3.0	3.2
222				6.0	1.0
242				7.2	-0.2
266				8.6	-1.6
294				10.3	-3.3
246316				12.0	-5.0
244344				14.3	-7.3
269369				15.7	-8.7
291391				16.0	-9.0
316416				16.0	-9.0
344441				16.1	-9.1
367467				15.8	-8.8
391491				16.3	-9.3
409509				16.4	-9.4
T.P.	0.76	7.04	0.71		6.28
TBM			1.29		5.75

5332 91 5.76

280WAD

27/51

SN R-895 RNG 86 #5331

TUE SAND @ HUB

SAND @ HUB

SAND

ROCK

SAND

SN R-895 RNG 91 #5332 5.76

10-31-19

35657-2

R-90

RNG	+	H1	-	ROO	E
TBM	0.24	7.73			7.49
120 220				2.1	5.6
130 230				0.9	6.8
143 243				2.4	5.3
151 251				4.7	3.0
171 271				7.1	0.6
191 291				8.0	-0.3
212 312				9.0	-1.3
235 335				10.5	-2.8
257 357				11.7	-4.0
282 382				13.7	-6.0
300 400				15.2	-7.5
341 411				16.0	-8.3
330 430				16.5	-8.8
342 442				16.8	-9.1
361 461				16.8	-9.1
376 476				17.9	-10.2

5334 130 676

BROWARD

27/49

STA 12-90 RNG ~~20~~ 220 H 5333
 JOE VEL @ HVB
 SAND @ HVB
 SAND

ROCK

10-31-19

35657-2

R-90 CONT

RNG + H1 - ROD EL

7.73

399 499

17.8 -10.1

420 520

18.0 -10.3

440 540

17.8 -10.1

456 556

17.0 -9.3

T.P. 3.00

10.15 0.54

7.15

TBM

3.45

6.74

3000000

22/
50

ROCK

"

"

ROCK

SH R-90 ANL 130 # 5334

230

(6.76)

10-21-19

35657-2

R-90.5

RNC	+	H1	-	RND	EL
TBM	0.99	9.12			8.13
100				0.8	8.3
110				1.9	7.2
127				4.1	5.0
136				6.1	3.0
157				8.7	0.4
181				9.6	-0.5
202				10.9	-1.8
226				12.4	-3.3
251				14.2	-5.1
271				15.7	-6.6
291				16.3	-7.2
311				18.1	-9.0
333				19.2	-10.1
361				18.9	-9.8
382				19.5	-10.4
405				20.2	-11.1
428				20.5	-11.4
T.P.	2.34	9.97	1.49		7.63
TBM			2.74		7.23

53360 110 7.12

BRUNNARD

27/48

SH R-90.5 RNC 100 H 5335

TBM @ HUB

" " "

SAND

ROCK

"

SAND

SH R-90.5 RNC 110 A 5334 7.12

10-31-19

35657-2

D. VOTHOBEX

OLSEN + ASSOCIATES

M. BARKER

BEACH PROFILES R-88 TO R-91

D. TIND

H. HARTMAN

R-91

RNC

+

141

-

R00

EL

TBM

0.44

7.42

6.98

150

0.4

7.0

160

0.7

6.7

166

0.9

6.5

169

1.7

5.7

185

3.1

4.3

189

4.5

2.9

210

7.4

0.0

231

8.2

-0.8

252

9.1

-1.7

277

10.3

-2.9

298

11.5

-4.1

318

13.0

-5.6

338

14.5

-7.1

358

15.6

-8.2

5838 160 6.67

BROWMAN

27/46

SN R-91 RNC 150 #5337

SAND @ HJB

" " "

SAND

10-31-19

35657-2

260000

27/47

R-91 CONT

RNG + H1 - Rod EL

7.42

381 16.2 -8.8

404 16.8 -9.4

421 16.8 -9.4

447 16.7 -9.3

465 16.1 -8.7

494 18.3 -10.9

519 18.5 -11.1

T.P. 1.84 9.03 0.23 7.19

TBM 2.37 6.20

SAND

SAND

SAND

SAND

ROCK

SAND

ROCK

ROCK

ROCK

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ROCK

ROCK

SM-R-91 RNG 160 N 5238 6.62

10.30-19

R-91.5

RNG	+	141	-	R00	R
TBM	249	9,44			6.95
25				2.5	6.9
35				2.4	7.0
43				2.5	6.9
44				3.6	5.8
64				5.4	4.0
79				7.8	1.6
100				9.6	-0.2
127				10.8	-1.4
160				12.2	-2.8
188				13.2	-3.8
205				14.3	-4.9
221				15.9	-6.5
241				17.2	-7.8
262				17.8	-8.4
279				18.2	-8.8

5340 35 7.03

R00W000

27/41

S1R 91.5 RNG 25 H 5339

10-30-19

R-91.5

RNC	+	HI	-	ROD	EL
		9.44			
298				18.5	-9.1
311				19.1	-9.7
325				19.6	-10.2

T.P	2.00	9.39	2.05	7.39
TBM			2.40	6.99

NOTE: STOP DOWING BEACH PROFILES
WATER PORTION DUE TO JELLY FISH
SUMMER GETTING STUNK

STARTED SETTING UP PROFILES SEE
NEXT PAGE

Blow No

27/
42

SH R-91.5

SAND

SH R-91.5	RNC 35	#5340	203
-----------	--------	-------	-----

10-30-19

35657-2

R-92

RNG	+	H1	-	ROD	EL
TBM	1.85	8.97			7.12
125	1.85			1.8	7.2
135				1.8	7.2
137				2.1	6.9
140				3.5	5.5
157				5.0	4.0
177				7.8	1.2
197				9.1	-0.1
218				9.8	-0.8
239				11.1	-2.1
262				12.3	-3.3
282				13.0	-4.0
302				13.2	-4.2
317				13.8	-4.8
328				14.1	-5.1
337				14.5	-5.5
345				15.9	-6.9

5342 135 7.13

BROWARD

27/
39

SH R-92 RNG 135 H 5341

SAND @ 1403

SAND

10-30-19

35657-2

R-92

RNG + HI - ROD EL

8.97

362 17.1 -8.1

376 18.3 -9.3

392 19.3 -10.3

405 19.8 -10.8

421 20.4 -11.4

432 20.3 -11.3

T.P. 1.33 8.89 1.41 7.56

1.79 7.10

BROWNS

27/40

SAWD

SHR-92 RNG 135

*5342

7.13

10-30-19

35657-2

R-92.5

RNG	+	H1	-	ROD	EL
	0.79	9.11			8.32
15				0.7	8.4
17				1.7	7.4
25				2.0	7.1
30				2.2	6.9
32				3.9	5.2
52				5.8	3.3
73				7.3	1.8
95				8.4	0.7
119				10.5	-1.4
130				11.4	-2.3
154				12.5	-3.4
173				12.5	-3.4
192				12.6	-3.5
218				13.6	-4.5
248				15.0	-5.9
269				16.6	-7.5
281				17.6	-8.5
300				18.2	-9.1

5344 25 7.14

ZAGNARD

27/37

SH R-92.5 RNG 15 # 5343

FORB

VEL

SAND @ HOB

SAND

10030-19

35457-2

R-92.5

RNG + HI - ROD EL

9.11

319 18.5 -9.4

338 19.0 -9.9

351 19.8 -10.7

TP. 1.46 8.95 1.62 7.49

1.81 7.14

BROWARD

27/
38

SH R-92.5 RNG 25 H 7.14

10-30-19

35657-2

R-93

RNC	+	HI	-	R00	EL
TBM	1.31	8.30			6.99
125				1.3	7.0
135				1.7	6.6
143				1.8	6.5
145				3.0	5.3
160				4.3	4.0
180				6.7	1.6
199				8.2	0.1
218				9.5	-1.2
240				10.7	-2.4
258				11.6	-3.3
289				12.2	-3.9
-				8.3	
311				11.9	-3.6
332				12.1	-3.8
357				13.1	-4.8
370				14.0	-5.7
384				15.3	-7.0
406				16.6	-8.3

27

5346

135 662

BROWN

35

(BEACH PROFILE R-91.5 TO R-93)
WATER PORTION

SH R-93 RNC 125 #5345

SAND @ HUB

" " "

SAND

Top H2O

9:00 AM

10-30-19

35657-2

R-93

RNL

+

141

-

R00

EL

8.30

422

17.3

-9.0

439

18.0

-9.7

449

19.0

-10.7

467

18.9

-10.6

487

19.5

-11.2

TIR

1.22

8.23

1.29

7.01

1.62

6.61

BROWARD

27/
36

SAND

SAR-93 RNC 135⁺ 5346

667

10-31-19

35657-2

R-94

RNC

+

141

-

RND

CL

470

10.71

6.01

100

5.2

5.5

90

4.7

6.0

82

4.4

6.3

65

2.9

7.8

59

2.7

8.0

T.P.

5.50

11.42

4.79

5.92

28

5.2

6.2

14

5.1

6.3

0

4.1

7.3

TBM

5.91

5.51

22/

5455 100 5.52

BROWN

61

(UPLAND TOPO)

SH R-94 RNC 90

5455

SAND @ HUB

" " "

TOE SAND

TOE VEG

CB

CB

"

"

SH R-94

RNC 100

5456

11-4-19

35657-2

12-94

WGS	+	Alt	-	Red	EL
BM	2.06	8.07			6.01
90				2.0	6.1
100				2.5	5.6
122				4.4	3.7
139				6.4	1.7
161				9.1	-1.0
183				9.7	-1.6
205				9.9	-1.8
225				10.1	-2.0
245				10.5	-2.4
268				10.6	-2.5
291				11.1	-3.0
315				11.8	-3.7
338				12.6	-4.5
355				13.1	-5.0
375				13.9	-5.8
393				14.8	-6.7
415				15.5	-7.4
TP	3.46	7.96	3.57		4.50
BM			2.45		5.51

B2066 / 38

B2066

SH# 5455 R06 90

SAD@ CAT

SH# 5456 R06 100 (5.52)

10-31-19

35652-2

R-95

RNG	+	H1	-	ROR	B
TBM	7.43	1331			5.83
135				8.5	4.8
125				7.5	5.8
117				6.7	6.6
114				6.4	6.9
106				4.6	8.7
95				5.2	8.1
85				5.8	7.5
76				6.3	7.0
T.P.	5.76	11.06	8.01		5.30
TBM			6.26		4.80

5458 135 4.77

BRUNN

201

160

UPLAND 7010

SH R-95 RNG 125 # 5457

SAND @ HUB

" " "

VEL

705 CB

703

CB

"

"

SH R-95 RNG 135 # 5458 4.77

11-5-19

35657-2

BROGG/39

R-95

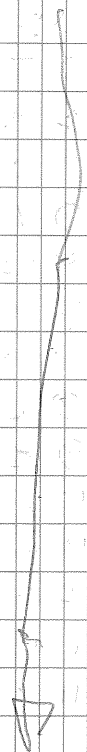
RNG	+	AI	-	ROD	EL
BM	0.56	6.39			5.83
126				0.5	5.9
135				1.5	4.9
152				2.7	3.7
172				5.8	0.6
194				7.9	-1.5
203				9.4	-3.0
223				10.0	-3.6
248				10.6	-4.2
272				10.3	-3.9
291				9.0	-2.6
311				9.0	-2.6
333				9.3	-2.9
355				9.3	-2.9
375				9.7	-3.3
399				10.3	-3.9
418				11.0	-4.6
441				11.8	-5.4
TP	2.69	6.80	2.28		4.11
BM			2.01		4.70

DESC.

SH# 5457 RNG. 125

SAND @ LATH

"



SH# 5458 RNG. 125 (4.77)

10-31-19

35657-2

R-96

RNC	+	HI	-	LOD	EL
TBM	6.52	12.29			5.77
120				7.2	5.1
110				6.5	5.8
104				5.8	6.5
103				5.0	7.3
87				3.9	8.1
74				3.7	8.6
68				4.1	8.2
7.1	7.12	12.52	6.89		5.40
			7.57		4.95

5460 110 4.96

271
BROWNED 159

(UPLAND TOPO)

SH R-96 RNC 110 #5459

SAND @ 110B

" " "

TOE SAND

TOE VEL

GB

"

"

SH R-96 RNC 120 #5460 4.96

11-5-19

35657-2

R-96

WAG	+	A1	-	Rad	EL
BM	1.13	6.89			5.76
110				6.1	5.8
120				1.9	5.0
146				2.7	4.2
155				4.8	2.1
178				7.3	-0.4
192				9.7	-2.8
205				10.8	-3.9
233				9.5	-2.6
257				9.3	-2.4
279				9.6	-2.7
303				9.8	-2.9
325				10.0	-3.1
348				10.2	-3.3
371				10.5	-3.6
396				11.0	-4.1
422				11.7	-4.8
TP	2.15	7.08	1.96		4.93
RM			2.13		4.95

Bno 66/40

DESC.

SH #5459 RNS 110

SAND @ LATH

11



SH #5460 RNS 120 (4.96)

10-31-19

35657-2

R-97

RNC	+	H'	-	200	EL
TBM	3.95	12.31			8.36
200				4.9	7.4
194				4.6	7.7
190				3.9	8.4
187				3.1	9.2
176				4.4	7.9
158				5.6	6.7
138				6.5	5.8
124				6.9	5.4
106				7.4	4.9
91				7.7	4.6
86				7.9	4.4
T.P.	4.21	12.14	4.38		7.93
TBM			4.73		7.41

5462 200 7.37

BROWNAD

27/

58

(UPLANDS TOPO.)

ST R-97 RNC 190 # 5461

SAND @ HUB

TOE VEL 8

CB @ HUB

TOB

CB

SH R-97 RNC 200 # 5462

7321

H-5-19

35657-2

R-97

Days	+	A1	-	Red	a
BM	0.63	8.99			8.36
190				0.6	8.4
200				1.5	7.5
204				2.0	7.0
222				5.0	4.0
244				7.0	2.0
267				9.8	-0.8
282				12.1	-3.1
308				13.0	-4.0
332				13.2	-4.2
357				13.2	-4.2
380				13.2	-4.2
405				13.6	-4.6
429				14.0	-5.0
455				14.7	-5.7
TP	2.01	9.14	1.86		7.13
BM			1.73		7.41

B2066/41

DESC.
 SH # 5461 RAG 190
 GB SAND @ HUG

VES

SH # 5462 RAG 200 (-7.37)

10-31-19

35657-2

R-90

RNG	+	141	-	200	6.1
TBM	1.59	8.22			6.63
150				1.5	6.7
160				2.5	5.7
163				2.9	5.4
183				5.1	3.1
202				6.8	1.4
T.P	5.28	11.31	2.19		6.03
145				4.3	7.0
123				4.7	6.6
102				5.1	6.2
79				5.3	6.0
66				5.1	6.2
35				4.9	6.5
15				4.3	7.0
8				4.3	7.0
3				2.5	8.8
TBM			5.69		5.62

5464 100 5.72

BLANK

27/157

UPLAND TOPO COULD NOT GO INTO
WATER TOO MANY STICKY FISH

SH R-98 RNG 150 # 5463

SAND @ 1400

SAND

TOB VEC

CB

SH R-98 RNG 100 # 5464 5.72

H-S-19

35657-2

12-98

Bro 66/42

ING	+	H1	-	ROO	CL
BM	1.28	7.91			6.63
150				1.2	6.7
160				2.2	5.7
176				4.3	3.6
186				5.0	2.9
208				6.9	1.0
230				9.6	-1.7
245				11.5	-3.6
268				12.5	-4.6
294				12.9	-5.0
318				10.9	-3.0
341				10.8	-2.9
364				11.3	-3.4
389				11.9	-4.0
412				12.5	-4.6
436				12.4	-4.5
455				13.9	-6.0
474				14.5	-6.6
490				15.0	-7.1
509				15.4	-7.5
530				15.9	-8.0
564				16.8	-8.9
585				16.8	-8.9

TD 2.43 7.91 2.53

BM 2.10

DESC.

SH# 5463 RND 150

SAND @ LATA

M



SH# 5464 RND 150 (5-11-11)

11-5-19

35657-2

R-99

Brogg/AB

R/G	#	#1	—	Red	EL
BM	4.84	11.22			6.38
-9				7.93	3.29
-8				6.97	4.25
-7				6.9	4.3
-6				5.7	5.5
-5				3.2	8.0
5				4.6	6.6
10				4.7	6.5
20				5.0	6.2
40				4.7	6.5
61				7.2	4.0
TP	3.90	8.29	6.83		4.39
78				5.2	3.1
100				7.7	0.6
121				10.4	-2.1
150				12.2	-3.9
173				12.9	-4.6
194				13.5	-5.2
220				14.0	-5.7

CONT

UPCARS ALSO

DESC

SP# 5465 RING 10'

ASPH

CURB

GB

GB

TOB

TOENEG

SAND @ CATH



11-5-19

35657-2

12-99 ^{CONST}

RNG

+

H1

-

R00

EC

8.29

241

14.3 -6.0

262

12.5 -4.2

283

12.2 -3.9

307

12.8 -4.5

333

13.5 -5.2

354

14.1 -5.8

375

14.7 -6.4

BM

1.97

6.32

Bns 66 / 44

DESC

SAND



SN# 5466 RNB 20' (6.33)

H-5-19

35657-2

R-100

ING	+	H1	-	R00	R
BM	5.73	12.44			6.71
-9				7.77	4.67
-8				7.28	5.16
-5				7.0	5.4
0				4.8	7.6
9				4.9	7.5
17				4.0	8.4
20				5.0	7.4
24				5.1	7.3
30				5.7	6.7
40				6.7	5.7
63				8.8	3.6
TP	4.26	8.10	8.60		3.84
82				6.6	1.5
103				9.0	-0.9
119				11.0	-2.9
142				11.6	-3.5
169				11.6	-3.5
194				11.7	-3.6

CONT

BROGG / 45

UPLANDS ALSO

DOJO.

SH# SAG7 INB 30

AspK

CURB

GB

GB

↑

TOB

GB TOB

VEG

SAND @ LATA

↑

V

M-5-19

35657-2

R-100 CONT

RNG +

HI

-

POD

BL

8.10

215

11.8 -3.7

SAD

239

12.0 -3.9

263

12.2 -4.1

285

12.2 -4.1

308

12.4 -4.3

331

13.1 -5.0

356

13.8 -5.7

378

14.7 -6.6

BM

2.51

5.59

Br20 GG/48

DESC-

ST# 5468 RNG 40 (5.61)

11-5-19

35657-2

12-101

RWG	+	At	-	R20	a
RM	4.48	10.59			8.11
-6				4.26	6.33
5				2.6	8.0
11				2.8	7.8
15				4.0	6.6
20				4.4	6.2
35				6.7	3.9
56				7.8	2.8
TP	4.63	7.69	7.53		3.06
78				7.0	0.7
97				9.7	-2.0
120				11.4	-3.7
144				12.1	-4.4
166				12.5	-4.8
186				13.1	-5.4
205				13.6	-5.9
227				13.8	-6.1
251				14.1	-6.4
BM			3.86		3.83

Bno 66/47

UPCANS ALSO

DESC.

SH# 5469 RNS 20

ASPA

GB

TOB

TOE/NEG

SAND @ CAT

SH# 5470 RNS 35 (3.83)

11-5-19

35657-2

2-102

DJG	+	H1	-	R00	B
BM	8.23	15.02			6.79
41				4.4	10.6
51				4.9	10.1
59				3.2	11.8
69				4.6	10.4
78				7.0	8.0
100				8.3	6.7
120				9.3	5.7
139				10.3	4.7
TP	4.66	9.59	10.09		4.93
162				7.5	2.1
188				10.6	-1.0
208				13.1	-3.5
234				14.4	-4.8
256				15.1	-5.5
276				15.2	-5.6
296				14.6	-5.0
318				13.6	-4.0
346				13.3	-3.7
370				13.2	-3.6
393				13.4	-3.8
BM			3.84		5.75

Pno 66/48

UPLANDS ALSO

DESC

SN# 5471 RING 100

GB

"

TOB

GB

TOB/NEG

SAND @ LATH

"

SN# 5472 RING 120' (5.81)

11-5-19

35657-2

R-103

Wt	+	H1	-	Rad	E
BM	8.04	14.94			6.90
45				5.9	9.0
53				2.7	12.2
70				3.2	11.7
83				5.1	9.8
98				7.6	7.3
120				8.0	6.9
140				8.3	6.6
160				9.3	5.6
178				11.7	3.2
TP	5.51	8.84	11.61		3.33
193				6.3	2.5
216				8.9	-0.1
233				11.6	-2.8
261				12.3	-3.5
285				13.3	-4.5
303				13.8	-5.0
322				14.2	-5.4
343				14.5	-5.7
366				14.8	-6.0
Bm			2.30		6.54

Bro 66/49

UPLANDS ALSO

DESC.

SHA# 5473 RING 120

GE

"

TOB

GE

TOE/NEE

BAND @ LATA

"



SHA# 5474 RING 120 (6.57)

11-8-19

35657-2

R-104

RNG	+	HI	-	P.O.O	E
BM	6.15	13.13			6.98
80				1.3	11.8
96				4.0	9.1
108				2.7	10.4
123				5.9	7.2
125				6.1	7.0
135				6.4	6.7
155				6.2	6.9
176				9.1	11.0
TP	4.67	8.85	8.95		4.18
194				6.2	2.7
215				8.4	0.5
232				11.0	-2.1
249				12.5	-3.6
268				12.4	-3.5
286				12.8	-3.9
311				13.6	-4.7
328				13.8	-4.9
350				14.3	-5.4
372				14.8	-5.9
387				15.1	-6.2
404				15.2	-6.3
BM			1.99		6.86

Br 66/50

UPLANDS ALSO

DESS

SH# 5475 RNG 125

GB

11

TOB

TOE/VEE

SADD@LATA

9

11



SH# 5476 RNG 135 (6.84)

11-5-19

35657-2

12-105

RUG	+	H1	-	R00	B
BM	5.52	12.96			7.44
113				3.0	10.0
124				2.7	10.3
140				5.5	7.5
150				6.2	6.8
172				6.2	6.8
TP	2.94	9.98	5.92		7.04
189				4.5	5.5
209				6.4	3.6
232				8.8	1.2
247				11.1	-1.1
264				13.7	-3.7
290				14.1	-4.1
309				14.3	-4.3
328				14.8	-4.8
354				15.2	-5.2
370				15.4	-5.4
392				15.7	-5.7
BM			3.12		6.86

Br 66/51

UPCANS ALSO

DESC

SH# 5477 RNS 140

GB

TPB

TOE/NEEQ/LATA

SAD

SH# 5478 RNS 150 (G.SS)

11-5-19

BSG57-2

12-106

WVG	+	HI	-	ROD	EE
BM	4.18	11.81			7.63
77				1.9	9.9
88				2.9	8.9
94				1.7	10.1
100				4.1	7.7
102				4.8	7.0
110				5.4	6.4
128				5.5	6.3
143				6.1	5.7
165				8.1	3.7
TP	5.66	9.57	7.90		3.91
187				8.4	1.2
202				10.2	-0.6
217				12.6	-3.0
240				13.6	-4.0
263				13.9	-4.3
285				14.4	-4.8
307				15.1	-5.5
329				15.4	-5.8
351				15.8	-6.2
BM			3.17		6.40

Bno 66/52

UPCANDS ALSO

DESC.

SH# 5479 RING 100

GB

"

TOB

GB @ LATH

VES

SAND @ LATH



SH# 5480 RING 110 (6.41)

11-5-19

35057-2

R-107

WOB	+	AI	-	ROD	EA
BM	3.88	13.17			9.29
92				3.9	9.3
95				3.5	9.7
100				2.2	11.0
110				3.9	9.3
120				6.0	7.2
140				6.7	6.5
163				8.6	4.6
TP	3.80	8.56	8.41		4.76
183				5.5	3.1
204				7.7	0.9
218				9.9	-1.3
237				12.5	-3.9
258				13.2	-4.6
278				13.5	-4.9
303				13.7	-5.1
323				13.8	-5.2
343				14.3	-5.7
363				14.6	-6.0
BM			1.38		7.18

Bro 66/53

UPLANDS ALSO

DESC.

SN# 5481 RNS 110

GB

"

TOB

GB @ LATA

ICE/ES "

SAD

SN# 5482 RNS 120 (7.19)

H-6-19

35657-2

K-108

RIG	+	#1	-	ROO	EL
BM	2.27	8.65			6.38
100				2.2	6.5
115				2.2	6.5
136				2.1	6.6
148				5.0	3.7
171				7.7	1.0
195				11.0	-2.3
220				13.0	-4.3
242				13.5	-4.8
263				14.0	-5.3
279				14.6	-5.9
302				15.2	-6.5
324				15.5	-6.8
TP	1.83	8.81	1.67		6.98
BM			2.40		6.41

Bro 66/54

UPCANDS ALSO

DESO

EA# 5483 RNB 100'

SAND @ LATA

H



SA# 5484 RNB 115 (6.41)

H-6-19

35657-2

R-109

RIG	+	HA	-	100	OL
BM	2.40	8.28			5.88
130				2.3	6.0
150				3.5	4.8
171				5.8	2.5
192				8.2	0.1
210				11.2	-2.9
225				12.1	-3.8
240				12.7	-4.4
260				12.7	-4.4
277				12.4	-4.1
299				12.9	-4.6
320				13.4	-5.1
338				14.0	-5.7
TP	1.03	8.40	6.91		7.37
BM			3.67		4.78

Rns 66/69

DESC.

SH #1505-RNG 130

SAND @ CAT



SH #1506-RNG 150 (4.78)

11-6-19

35657-2

12-110

NO	+	AL	-	RO	E
RM	2.21	9.01			6.80
125				2.2	6.8
145				2.3	6.7
160				4.8	4.2
181				6.5	2.5
205				9.5	-0.5
223				12.1	-3.1
248				13.3	-4.3
276				13.5	-4.5
299				13.9	-4.9
312				14.4	-5.4
333				15.0	-6.0
TP	3.04	9.13	2.92		6.09
BM			2.44		6.69

Br 66/68

DESC.

ST #1507 RNS 125

ZAD @ LATA

"



ST #1508 RNS 145 (6.65)

11-6-19

35657-2

12-111

DATE	+	AI	-	ROD	EL
BM	3.02	8.06			5.04
180				3.0	5.1
200				3.5	4.6
221				5.5	2.6
243				8.2	-0.1
263				11.0	-2.9
291				11.1	-3.0
314				11.8	-3.7
343				12.6	-4.5
361				13.2	-5.1
383				13.8	-5.7
TP	0.76	8.17	0.65		7.41
BM			3.70		4.47

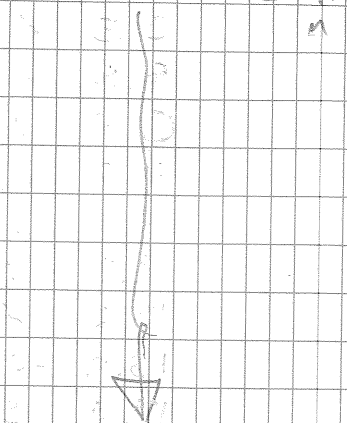
4.44

Brogg / 67

DEED.

SN# 1509 RING 180

SAND @ LATH



SN# 1510 RING 200 (4.44)

11-6-19

35657-2

R-112

RIE	+	AI	-	BO	EL
RM	1.70	7.48			5.78
160				1.7	5.8
170				2.3	5.2
189				4.3	3.2
210				5.6	1.9
226				7.7	-0.2
245				10.2	-2.7
267				9.9	-2.4
291				10.3	-2.8
319				11.1	-3.6
330				11.6	-4.1
346				11.9	-4.4
365				13.0	-5.5
TP	2.72	7.58	2.62		4.86
BM			2.36		5.22

Brigg/66

Deso.

SHA # 1511 RAG 160

SAND @ LATH



SHA # 1512 RAG 170 (5.19)

H-G-19

35657-2

R-113

WNG	+	H1	-	R20	EL
-----	---	----	---	-----	----

BM	1.27	7.79			6.52
----	------	------	--	--	------

150				1.2	6.6
-----	--	--	--	-----	-----

170				3.3	4.5
-----	--	--	--	-----	-----

175				4.5	3.3
-----	--	--	--	-----	-----

190				5.1	2.7
-----	--	--	--	-----	-----

213				7.9	-0.1
-----	--	--	--	-----	------

230				18.6	-0.8
-----	--	--	--	------	------

259				10.6	-2.8
-----	--	--	--	------	------

281				12.8	-5.0
-----	--	--	--	------	------

300				13.8	-6.0
-----	--	--	--	------	------

317				14.6	-6.8
-----	--	--	--	------	------

337				14.9	-7.1
-----	--	--	--	------	------

TP	2.02	7.91	1.90		5.89
----	------	------	------	--	------

BM			3.42		4.49
----	--	--	------	--	------

Bno 66 / 65

DESC.

SH # 1513 RNO 150

SAND @ CAT

SH # 1514 RNO 170 (4.49)

11-6-19

35657-2

12-114

LOG	+	HI	-	RO	EL
BM	2.73	7.41			4.68
175				2.7	4.7
195				4.0	3.4
210				4.8	2.6
233				8.3	-0.9
268				10.4	-3.0
283				11.1	-3.7
307				12.1	-4.7
342				12.8	-5.4
370				13.4	-6.0
TP	1.76	7.50	1.67		5.74
BM			4.14		3.36

195 Progg. / 64

DESC

SHA 1515 RING 175

SAND @ LATH

"

SHA 1516 RING 195 (3.40)

11-6-19

35657-2

12-115

NO	+	AI	-	ROO	EL
----	---	----	---	-----	----

BM	1.72	6.53			4.81
----	------	------	--	--	------

140				1.7	4.8
-----	--	--	--	-----	-----

160				3.9	2.6
-----	--	--	--	-----	-----

181				5.9	0.6
-----	--	--	--	-----	-----

202				7.1	-0.6
-----	--	--	--	-----	------

225				8.0	-1.5
-----	--	--	--	-----	------

249				9.1	-2.6
-----	--	--	--	-----	------

281				10.7	-4.2
-----	--	--	--	------	------

308				11.6	-5.1
-----	--	--	--	------	------

328				12.1	-5.6
-----	--	--	--	------	------

TP	1.64	6.69	1.48		5.05
----	------	------	------	--	------

BM			4.03		2.66
----	--	--	------	--	------

BROGG/63

DESC-

SH# 1517 RVS 140

SAND @ LATH

11



SH# 1518 RVS 160 (2.64)

11-G-19

35657-2

12-116

LOG	+	HI	-	ROD	EL
BM	2.36	7.55			15.19
190				2.3	5.3
205				3.9	3.7
221				4.8	2.8
248				8.0	-0.4
272				10.5	-2.9
293				11.0	-3.4
312				11.7	-4.1
339				12.3	-4.7
352				12.8	-5.2
371				13.2	-5.6
399				13.9	-6.3
TP	4.27	7.65	4.17		3.38
BM			3.97		3.68

Bno 66/62

DESC
SHA# 1519 RNS 190

EXAD @ LATA

SHA# 1520 RNS 265 (3.73)

11-6-19

35657-2

R-117

TIME	+	HA	-	ROD	EL
BM	2.38	6.88			4.50
250				2.3	4.6
265				3.4	3.5
284				4.7	2.2
305				7.7	-0.8
329				9.2	-2.3
354				9.7	-2.8
378				10.7	-3.8
402				11.6	-4.7
424				12.0	-5.1
TP	1.47	6.95	1.40		5.48
BM			3.48		3.47

BROGG/C11

DESC

SH #1521 RING 250

SAND @ LATH

"

SH #1522 RING 265 (3.47)

4-6-19

35657-2

R-118

LOG	+	HI	-	ROD	EL
BM	2.39	7.05			4.66
210				2.3	4.8
217				4.1	3.0
225				4.2	2.9
243				5.0	2.1
261				7.2	-0.1
278				9.3	-2.2
299				9.7	-2.6
323				10.5	-3.4
345				11.5	-4.4
367				12.0	-4.9
391				12.7	-5.6
411				13.0	-5.9
TP	1.62	6.93	1.74		5.31
BM			4.09		2.84

Bono GG/60

DESC

SK# 1523 RNS 210

SAND @ LATH



SK# 1524 ROD 225' (2.87)

11-G-19

3SG57-2

R-119

LOG	+	H1	-	LOG	EC
BM	0.53	6.79			6.26
165				8.5	6.3
185				3.4	3.4
205				5.7	1.1
229				9.0	-2.2
249				9.4	-2.6
269				9.6	-2.8
295				9.8	-3.0
321				10.9	-4.1
TP	1.09	6.86	1.02		5.77
BM			3.52		3.34

Box 66/59

DESC

SHA# 1525 RING 1GS

SAND @ LATA

SHA# 1526 RING 1GS (3.32)

11-6-19

35657-2

R-120

WGB	+	H1	-	R00	EL
BM	1.59	6.76			5.17
145				1.5	5.3
160				3.8	3.0
180				5.3	1.5
203				8.0	-1.2
214				9.4	-2.6
237				10.0	-3.2
263				10.3	-3.5
290				11.2	-4.4
314				11.8	-5.0
340				12.3	-5.5
365				12.9	-6.1
TP	1.49	6.87	1.38		5.38
BM			3.90		2.97

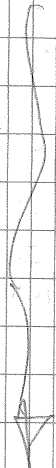
BRO 66/58

DESC:

ST# 1527 RND 145

SAND @ LATH

n



ST# 1528 RND 160 (3.06)

11-6-19

35657-2

R-121

WNO	+	HI	-	ROD	EL
BM	2.98	6.95			3.97
45				2.9	4.1
60				3.6	3.4
82				6.1	0.9
106				9.1	-2.1
132				10.5	-3.5
157				11.2	-4.2
182				11.8	-4.8
207				12.2	-5.2
TP	0.95	6.86	1.04		5.91
BM			3.47		3.39

B2066/57

DESC

ST# 1529 RING 45

SAND @ LATH

n

ST# 1530 RING 60 (3.39)

H-G-19

35657-2

R-122

WGS	+	A1	-	ROD	E
BM	1.11	6.03			4.92
40				1.0	5.0
55				2.7	3.3
70				4.4	1.6
90				7.3	-1.3
105				9.0	-3.0
130				9.7	-3.7
155				10.1	-4.1
181				10.5	-4.5
207				11.1	-5.1
TP	3.19	6.45	2.77		3.26
RM			3.10		3.35

B2066/56

DESC.

SN# 1531 RNS 40'

SAND @ CAT

M



SN# 1532 RNS 55' (3.32)

11-8-19

35657-2

R-123

WS	+	HI	-	Red	BL
BM	2.36	8.64			6.28
10				2.3	6.3
20				2.0	6.6
43				2.1	6.5
62				4.6	4.0
85				8.5	0.1
107				10.3	-1.7
117				11.9	-3.3
139				12.7	-4.1
161				13.2	-4.6
180				13.2	-4.6
205				13.3	-4.7
227				13.2	-4.6
TP	2.71	9.02	2.33		6.31
BM			2.43		6.59

B20 67/10

DEEC.

SK# 1668 RNS 10

SAND @ LATH

"

SK# 1669 RNS 30' (6.59)

11-8-19

35G57-2

R-124

WJG	+	H1	-	RO	EL
Bm	1.98	7.35			5.37
155				1.9	5.5
165				2.9	4.5
185				4.8	2.6
205				7.5	-0.1
221				9.5	-2.1
228				10.9	-3.5
246				11.8	-4.4
269				12.4	-5.0
292				12.6	-5.2
311				13.0	-5.6
333				13.5	-6.1
353				14.0	-6.6
TP	2.60	7.48	2.47		4.88
Bm			3.07		4.41

B2067/9

DESC.

DESC.

SH# 1670 R06 155

SAND @ LATH

n



SH# 1671 R06 165 (4.40)

11-8-19

35657-2

R-125

WIG	+	AI	-	BO	B
BM	1.51	8.46			6.95
240				1.5	7.0
250				2.5	6.0
270				4.9	3.6
296				8.4	0.1
313				10.4	-1.9
319				11.7	-3.2
340				12.3	-3.8
363				12.5	-4.0
387				13.0	-4.5
413				13.3	-4.8
434				13.8	-5.3
TP	3.31	8.24	3.53		4.93
BM			2.46		5.78

Br 67 / 8

DESC:

SH# 1672 RING 240'

SAND @ DATA

11



SH#

1673 RING 250 (5.71)

11-8-19

35657-2

P-126

avg	+	H1	-	BO	EL
BM	2.34	7.65			5.31
80				2.3	5.4
90				2.9	4.8
110				4.8	2.9
133				7.9	-0.2
146				9.6	-1.9
152				10.8	-3.1
172				11.2	-3.5
192				11.9	-4.2
214				12.6	-4.9
230				13.2	-5.5
252				13.7	-6.0
275				14.1	-6.4
298				13.8	-6.1
TP	1.96	7.86	1.75		5.90
BM			3.14		4.72

B2067/7

DESC.

SH# 1674 PNG 20

SNO@LATA

u



-

SH# 1675 PNG 90' (4.76)

11-8-19

35657-2

12-127

WOG	+	A1	-	Rad	Gr
RM	1.34	8.18			6.84
75				1.3	6.9
85				2.2	6.0
105				4.7	3.5
127				7.6	0.6
146				10.0	-1.8
154				11.3	-3.1
174				12.0	-3.8
197				12.4	-4.2
218				12.7	-4.5
236				13.0	-4.8
258				13.5	-5.3
					6.69
TP	1.66	8.35	1.49		
RM			2.32		6.03

B2067/6

DECO

SH# 1676 RNB 75

SAND @ CATH

n



SH# 1677 RNB 85 (5.97)

11-8-19

35657-2

R-128

Rd	+	M	-	Rd	EC
BM	1.19	8.15			6.96
75				1.1	7.1
85				2.1	6.1
107				4.6	3.6
131				8.5	-0.3
146				9.9	-1.7
151				11.1	-2.9
173				11.8	-3.6
196				12.1	-3.9
218				12.3	-4.1
239				12.5	-4.3
260				12.8	-4.6
282				13.2	-5.0
TP	0.93	8.33	0.76		7.40
BM			2.23		6.10

B267/5

DEEC

SA#

1678 RNS 75'

SAND @ CATR

1



SA#

1679 RNS 85' (6.09)

11-8-19

35657-2

R-2 DATA

LOG	+	AI	-	BO	EO
BM	2.18	7.44			5.26
40				2.1	5.3
50				3.3	4.1
70				4.8	2.6
87 ST				8.5	-1.1
107				9.4	-2.0
111				10.6	-3.2
134				11.7	-4.3
160				12.2	-4.8
181				12.6	-5.2
200				13.1	-5.7
TP	4.17	7.53	4.08		5.36
BM			3.43		4.10

Bragg / 4

DEP.

SM# 1680 RING 40

SAND @ CAT



SM# 1681 RING 50 (4.15)

11-8-19

35657-2

R-3 PAGE

RNG	+	HI	-	100	EL
BM	0.94	7.74			6.88
90'				0.9	6.8
100'				1.6	6.7
120				4.0	3.7
140				6.8	0.9
161				9.7	-2.0
181				11.0	-3.3
204				11.8	-4.1
227				12.7	-5.0
251				13.2	-5.5
269				13.8	-6.1
TP	2.87	7.94	2.67		5.07
BM			1.81		6.13

Box 67/3

DESC

SHA# 1662 RNG 90'

SAND @ LATA



SHA# 1663 RNG 100' (6.13)

11-8-19

35657-2

12-4 DAGE

FIG	+	HI	-	ROD	EW
BM	4.74	8.84			4.10
124				1.6	7.2
105				1.6	7.2
87				1.0	7.8
67				0.4	8.4
57				0.3	8.5
200				4.7	4.1
220				5.1	3.7
242				7.1	1.7
264				10.0	-1.2
285				11.3	-2.5
308				12.8	-4.0
329				13.4	-4.6
350				13.9	-5.1
375				14.3	-5.5
392				14.7	-5.9
TP	2.84	8.87	2.81		6.03
BM			5.19		3.68

BRO 67 1/2

DESC

SH# 1684 RING 200'

SAND

@ LATH



SH# 1685 RING 220 (3.66)

11-8-19

35657-2

PV RA (OUSEN)

JW

R-5 (OUSEN)

RNO	+	HA'	—	ROD	EL
BM	0.49	7.19			6.70
115				0.4	6.8
125				1.2	6.0
147				3.8	3.4
169				6.5	0.7
190				9.0	-1.8
200				10.5	-3.3
224				11.5	-4.3
245				12.1	-4.9
267				13.0	-5.8
283				13.6	-6.4
303				14.3	-7.1
TP	2.40	7.49	2.10		5.09
BM.			1.52		5.97

B2067/1

DESCA

SHA#

1686 PNG 115'

SHO@ LATH

"



SHA#

1687 RAG 125 (5.98)

Section 9

Metadata

Identification_Information:

Citation:

Citation_Information:

Originator: Morgan & Eklund, Inc.

Publication_Date: 20191125

Publication_Time: Unknown

Title: 2017 BROWARD COUNTY POST-DORIAN SURVEY

Edition: NOVEMBER 2019

Series_Information:

Publication_Information:

Publication_Place: Vero Beach, Florida

Publisher: Morgan & Eklund, Inc.

Larger_Work_Citation:

Citation_Information:

Series_Information:

Description:

Abstract: This submittal is a hydrographic and topographic survey of the Broward County shore protection monitoring profiles along FDEP ranges R-25 to R-128 and Dade County R-2 to R-5.

Purpose: To collect hydrographic and topographic survey to monitor the amount of sand accretion and erosion.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Multiple_Dates/Times:

Range_of_Dates/Times:

Beginning_Date: 20191007

Ending_Date: 20191108

Currentness_Reference: Publication date

Status:

Progress:

Maintenance_and_Update_Frequency:

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -80.121389

East_Bounding_Coordinate: -80.067778

North_Bounding_Coordinate: +26.261111

South_Bounding_Coordinate: +25.956389

Keywords:

Theme:

Theme_Keyword_Thesaurus: Theme

Theme_Keyword: Hydrographic

Theme_Keyword: Survey

Theme_Keyword: Topographic

Place:

Place_Keyword_Thesaurus: Place

Place_Keyword: R-25 to R-128 Dade R-2 to R-5

Place_Keyword: Florida

Place_Keyword: Broward County

Stratum:

Stratum_Keyword_Thesaurus: Stratum

Stratum_Keyword: Surface

Temporal:

Access_Constraints: None

Use_Constraints: This survey information is accurate as of the date of publication. Hydrographic survey data is subject to change rapidly due to several factors including but not limited to natural accretion and erosion processes. Morgan & Eklund, Inc. accepts no responsibility for changes in the hydrographic conditions which develop after the date of publication. This information is intended for the internal use of the municipality and it is being provided for external use as a public service. This agency accepts no responsibility for errors or omissions contained in this data. The accuracy of this data is therefore not guaranteed.

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Organization_Primary:

Contact_Organization: Morgan & Eklund, Inc.

Contact_Person: John R. Morgan, II

Contact_Address:

Address_Type: Mailing address

Address: 4909 US Highway 1

City: Vero Beach
 State_or_Province: Florida
 Postal_Code: 32967
 Country: USA
 Contact_Voice_Telephone: 772.388.5364
 Contact_Facsimile_Telephone: 772.388.3165
 Contact_Electronic_Mail_Address: jmorgan@morganeklund.com
 Security_Information:
 Cross_Reference:
 Citation_Information:
 Series_Information:
 Publication_Information:
 Data_Quality_Information:
 Attribute_Accuracy:
 Logical_Consistency_Report: The quality of the data collected is consistent between dates and vessels/equipment used for collection.
 Completeness_Report: The listed survey represents complete collection for this date.
 Positional_Accuracy:
 Horizontal_Positional_Accuracy:
 Horizontal_Positional_Accuracy_Report: Survey data is accurate to +/-1.0 feet.
 Vertical_Positional_Accuracy:
 Vertical_Positional_Accuracy_Report:
 Offshore profile data collection was performed to FDEP specifications using Trimble SPS 852 Real-Time Kinematic GPS, Hypack Navigation Software, an Odom CVM Digital Echosounder, TSS Motion Compensator. All staff installations, leveling and bathymetric surveys conformed to the FDEP specifications and the Florida Minimum Technical Standards.
 The vertical accuracy meets the requirements of a USACE Class I Hydrographic Survey.
 Lineage:
 Source_Information:
 Source_Citation:
 Citation_Information:
 Originator: Broward County
 Publication_Date: Unknown
 Publication_Time: Unknown
 Title: Unknown
 Geospatial_Data_Presentation_Form: Map
 Series_Information:
 Publication_Information:
 Larger_Work_Citation:
 Citation_Information:
 Series_Information:
 Publication_Information:
 Type_of_Source_Media: Paper
 Source_Time_Period_of_Content:
 Time_Period_Information:
 Single_Date/Time:
 Multiple_Dates/Times:
 Range_of_Dates/Times:
 Beginning_Date: 20191007
 Ending_Date: 20191108
 Source_Currentness_Reference: Publication date
 Source_Citation_Abbreviation: Not available
 Source_Contribution: Elevations for the onshore profile line were based on the two RTK/GPS points set on line or from the range monuments value supplied by FDEP and verified during a previous survey. Elevations for the offshore portion of the profile lines for the project area relied on Real-time Kinematic tide files and were verified with a tide staff set offshore of points
 Process_Step:
 Process_Description:
 Onshore profiles were collected along the alignments as shown in the control tabulation using Real Time Kinematic GPS, differential leveling for elevation and a hand-held laser for stationing.
 Offshore profile data collection was performed to FDEP specifications using Trimble SPS 852 Real-Time Kinematic GPS, Hypack Navigation Software, an Odom CVM Digital Echosounder, TSS Motion Compensator.
 Process_Date: Unknown
 Process_Time:
 Process_Contact:
 Contact_Information:

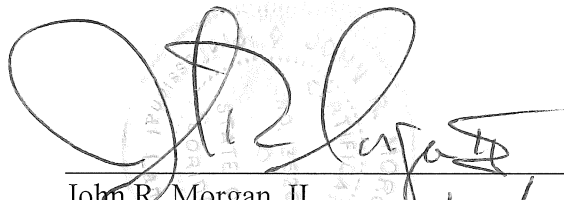
Contact_Person_Primary:
 Contact_Person: David Coggin
 Contact_Organization_Primary:
 Contact_Address:
 Spatial_Data_Organization_Information:
 Direct_Spatial_Reference_Method: Point
 Point_and_Vector_Object_Information:
 SDTS_Terms_Description:
 SDTS_Point_and_Vector_Object_Type:
 Point_and_Vector_Object_Count: 19150
 Spatial_Reference_Information:
 Horizontal_Coordinate_System_Definition:
 Planar:
 Grid_Coordinate_System:
 Grid_Coordinate_System_Name: Florida State Plane Coordinate System, East Zone,
 North American Datum of 1983/90 (NAD 83/90)
 Universal_Transverse_Mercator:
 Transverse_Mercator:
 Universal_Polar_Stereographic:
 Polar_Stereographic:
 State_Plane_Coordinate_System:
 SPCS_Zone_Identifier: 0901
 Lambert_Conformal_Conic:
 Transverse_Mercator:
 Scale_Factor_at_Central_Meridian: .999989142278
 Longitude_of_Central_Meridian: -080.333333
 Latitude_of_Projection_Origin: +27.666666
 False_Easting: 656166.667 ft
 False_Northing: 0
 Oblique_Mercator:
 Oblique_Line_Point:
 Polyconic:
 ARC_Coordinate_System:
 Equiarectangular:
 Azimuthal_Equidistant:
 Planar_Coordinate_Information:
 Planar_Coordinate_Encoding_Method: coordinate pair
 Coordinate_Representation:
 Abscissa_Resolution: 0.01
 Ordinate_Resolution: 0.01
 Distance_and_Bearing_Representation:
 Planar_Distance_Units: Survey feet
 Geodetic_Model:
 Vertical_Coordinate_System_Definition:
 Altitude_System_Definition:
 Altitude_Datum_Name: North American Vertical Datum of 1988
 Altitude_Resolution: .1
 Altitude_Distance_Units: feet
 Altitude_Encoding_Method: Explicit elevation coordinate included with horizontal
 coordinates
 Depth_System_Definition:
 Depth_Datum_Name: No correction
 Depth_Resolution: .1
 Depth_Distance_Units: Feet
 Depth_Encoding_Method: Explicit depth coordinate included with horizontal
 coordinates
 Entity_and_Attribute_Information:
 Detailed_Description:
 Entity_Type:
 Entity_Type_Label: 3D coordinates
 Entity_Type_Definition: position and elevation coordinates within project system
 Entity_Type_Definition_Source: n/a
 Attribute:
 Attribute_Domain_Values:
 Attribute_Value_Accuracy_Information:
 Overview_Description:
 Entity_and_Attribute_Overview: The data attributes consist of horizontal
 coordinates paired with elevations.
 Entity_and_Attribute_Detail_Citation:
 Distribution_Information:
 Distributor:

Contact_Information:
 Contact_Person_Primary:
 Contact_Organization_Primary:
 Contact_Address:
Standard_Order_Process:
 Digital_Form:
 Digital_Transfer_Information:
 Digital_Transfer_Option:
 Online_Option:
 Computer_Contact_Information:
 Network_Address:
 Dialup_Instructions:
 Offline_Option:
 Recording_Capacity:
Available_Time_Period:
 Time_Period_Information:
 Single_Date/Time:
 Multiple_Dates/Times:
 Range_of_Dates/Times:
Metadata_Reference_Information:
 Metadata_Date: 20191125
 Metadata_Review_Date: 20191125
 Metadata_Contact:
 Contact_Information:
 Contact_Person_Primary:
 Contact_Person: John R. Morgan II
 Contact_Organization: Morgan & Eklund, Inc.
 Contact_Organization_Primary:
 Contact_Address:
 Address_Type: mailing address
 Address: 4909 US Highway 1
 City: Vero Beach
 State_or_Province: Florida
 Postal_Code: 32967
 Country: USA
 Contact_Voice_Telephone: 772.388.5364
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Security_Information:

Section 10
Certification Page

**Broward County
2019 Coastal Monitoring Survey
Onshore/Offshore Profiles
R25 to R128 and Dade R2 to R5
November 2019**

I hereby certify that this survey meets BBCS technical specifications for beach erosion control projects and the standards of practice as set forth by the Florida Board of Professional Land Surveyors in Chapter 5J-17, F.A.C.



John R. Morgan, II
Morgan & Eklund, Inc. 11/25/19
PLS #3520