

MIAMI BEACH

PUBLIC WORKS DEPARTMENT

NO. 9 – CITY CENTER
TOPOGRAPHIC SURVEY, LINCOLN ROAD DISTRICT IMPROVEMENTS
DECEMBER 19, 2022 SM-2022 G
100% SUBMITTAL



CITY OF MIAMI BEACH

MAYOR:

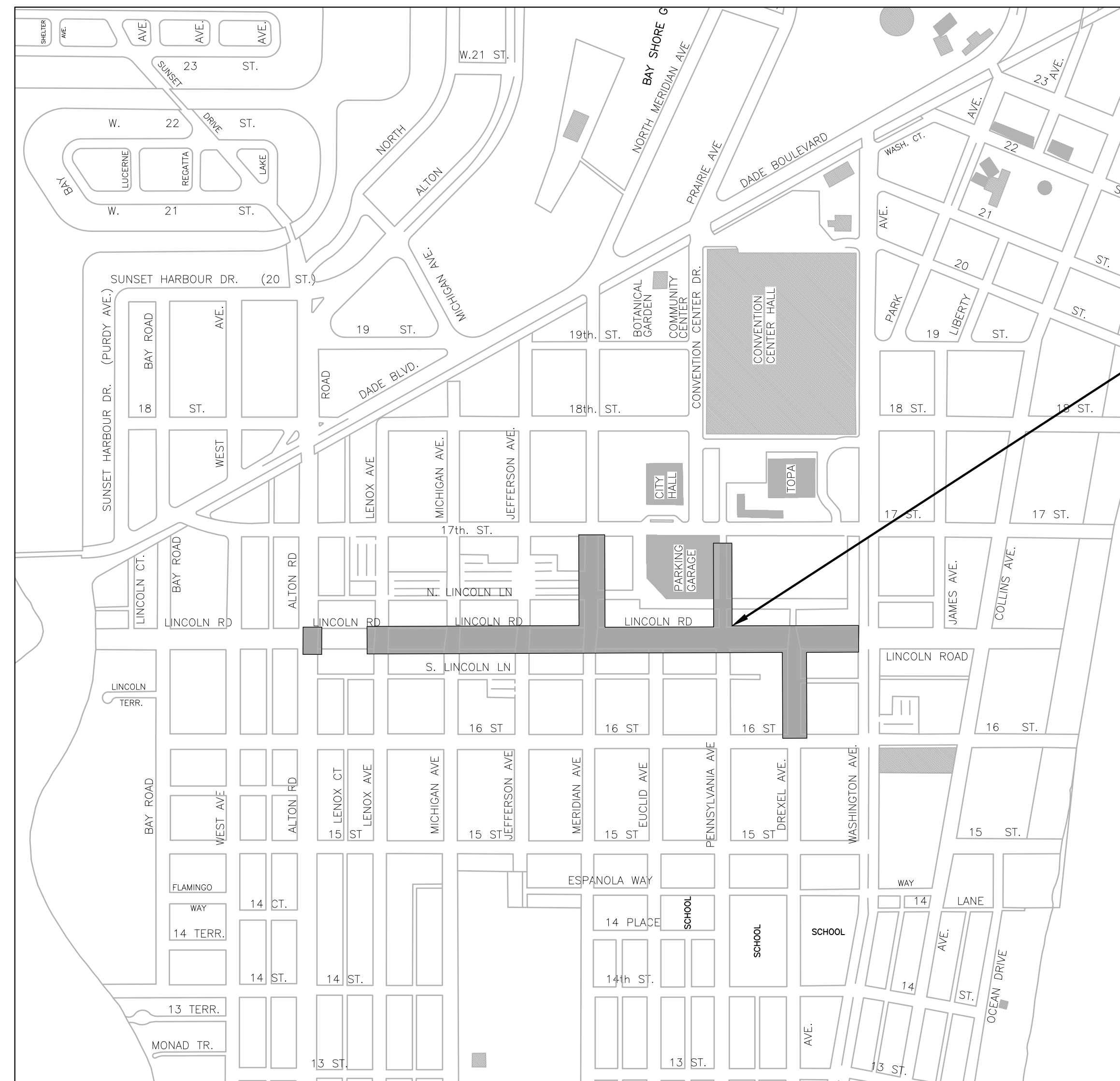
COMMISSIONERS:

CITY MANAGER:

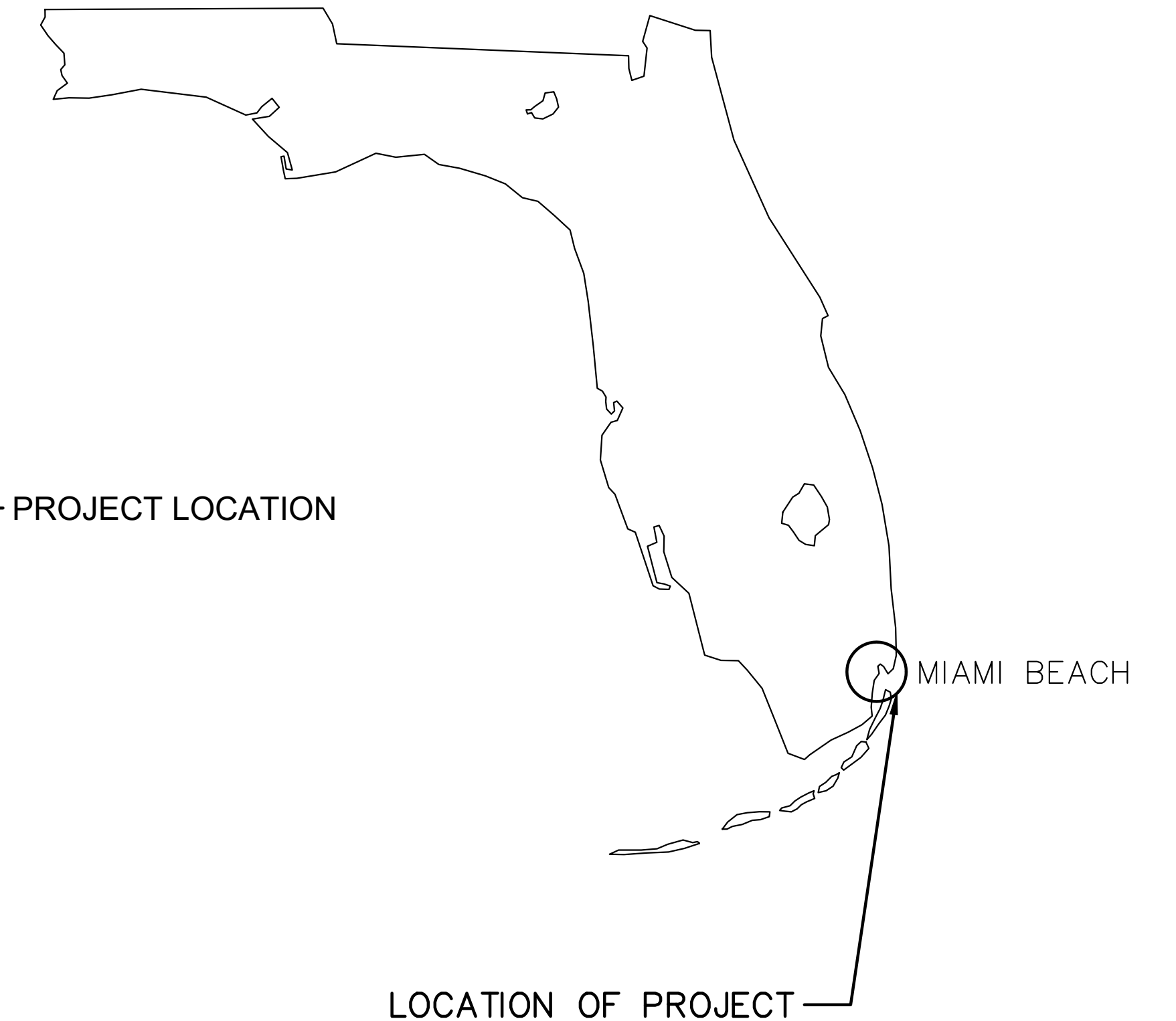
CITY ATTORNEY:

PUBLIC WORKS DIRECTOR:

CITY ENGINEER:



LOCATION MAP
N.T.S.

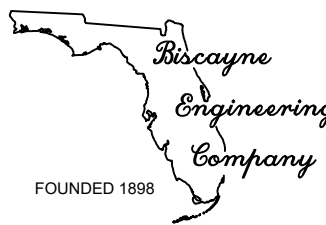


INDEX OF DRAWINGS

SHEET	DRAWING	DESCRIPTION
1	G-01	COVER SHEET & INDEX OF DRAWINGS
2	G-02	KEY SHEET
3	EC-01	SURVEYOR'S NOTES
4	EC-02	PNC SHEETS
5-13	EC-03 TO EC-11	TOPOGRAPHIC SURVEY SHEETS

ACCEPTED BY:

Work Order 03-87520 Sheet 1 of 13 Drawing G-01-COVER



BISCAYNE ENGINEERING COMPANY, INC.
Consulting Engineers - Planners - Surveyors

MIAMI
529 WEST FLAGLER STREET, MIAMI, FL 33130
TEL (305) 324-7671
FAX (305) 324-0809
WEB: WWW.BISCAYNEENGINEERING.COM

PALM BEACH
449 NW 35th STREET, BOCA RATON, FL 33431
TEL (561) 809-2329

CITY SURVEYOR MANAGER

File Path: \\SURVEY\PROJECTS\87000's\87520 JAMES CORNER- LINCOLN ROAD IMPROVEMENTS\2. CAD\2. DWG\87520_LincolnRd_update w exploded p1s.dwg

LINCOLN ROAD TOPOGRAPHIC SURVEY KEY SHEET

LEGAL DESCRIPTION

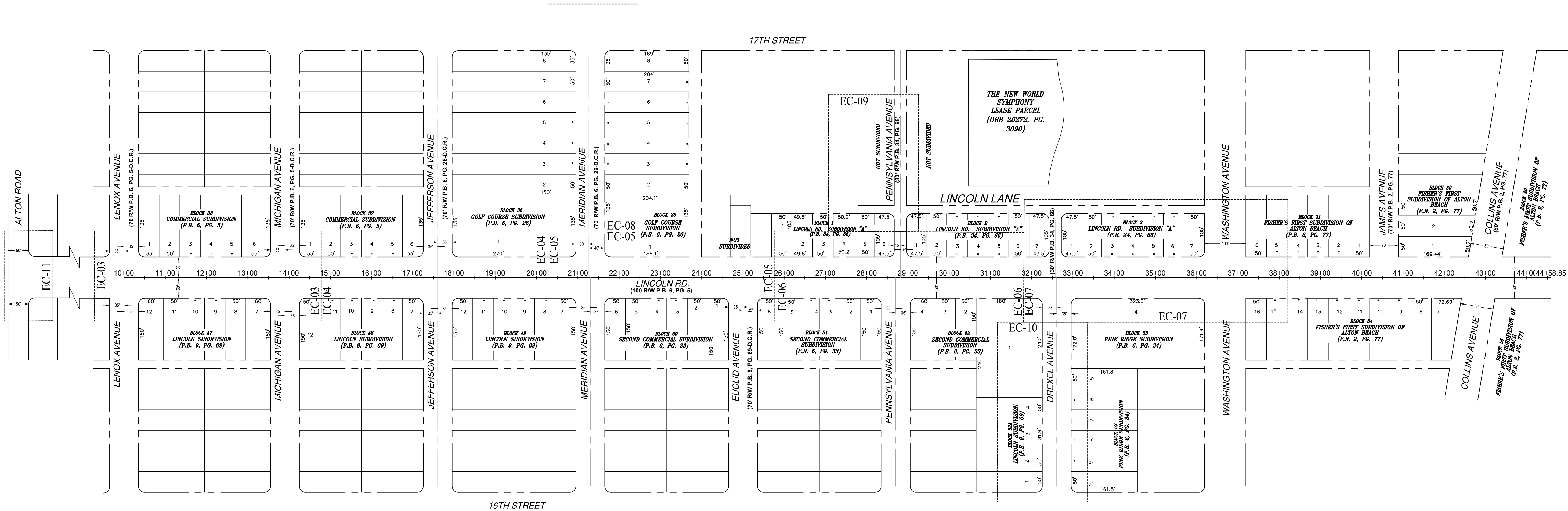
THIS IS NOT A BOUNDARY SURVEY

LEGEND & ABBREVIATIONS:

SEE SHEET 3



NOT TO SCALE



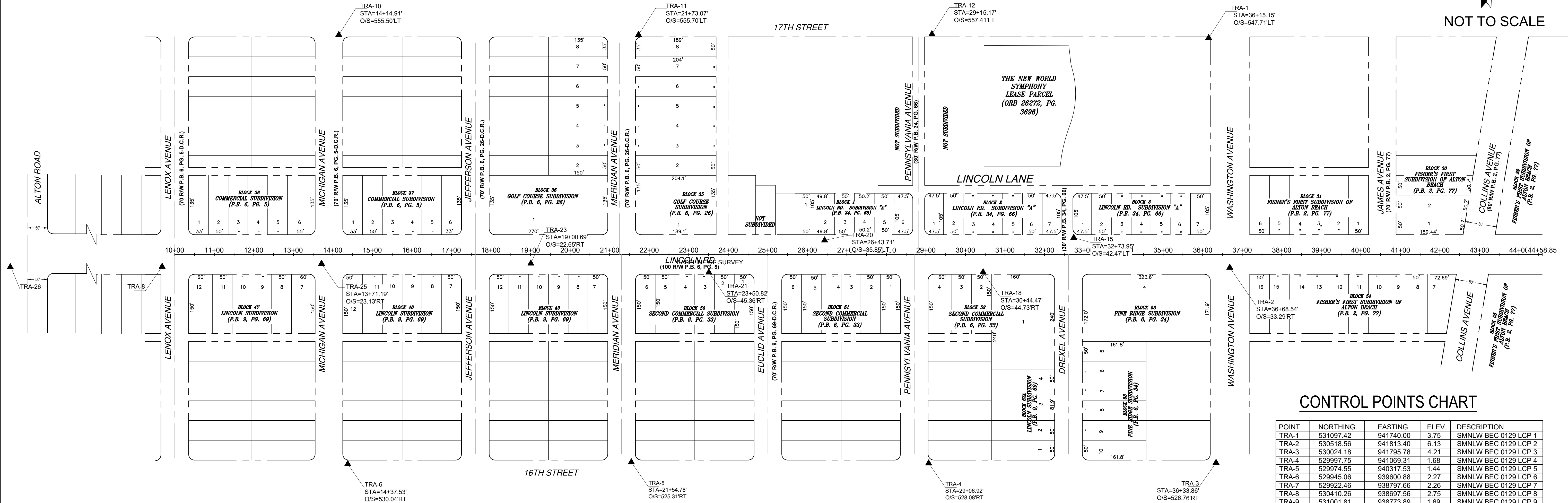
LINCOLN ROAD TOPOGRAPHIC SURVEY PROJECT NETWORK CONTROL SHEET

LEGAL DESCRIPTION

THIS IS NOT A BOUNDARY SURVEY

LEGEND & ABBREVIATIONS:

SEE SHEET 3



CONTROL POINTS CHART

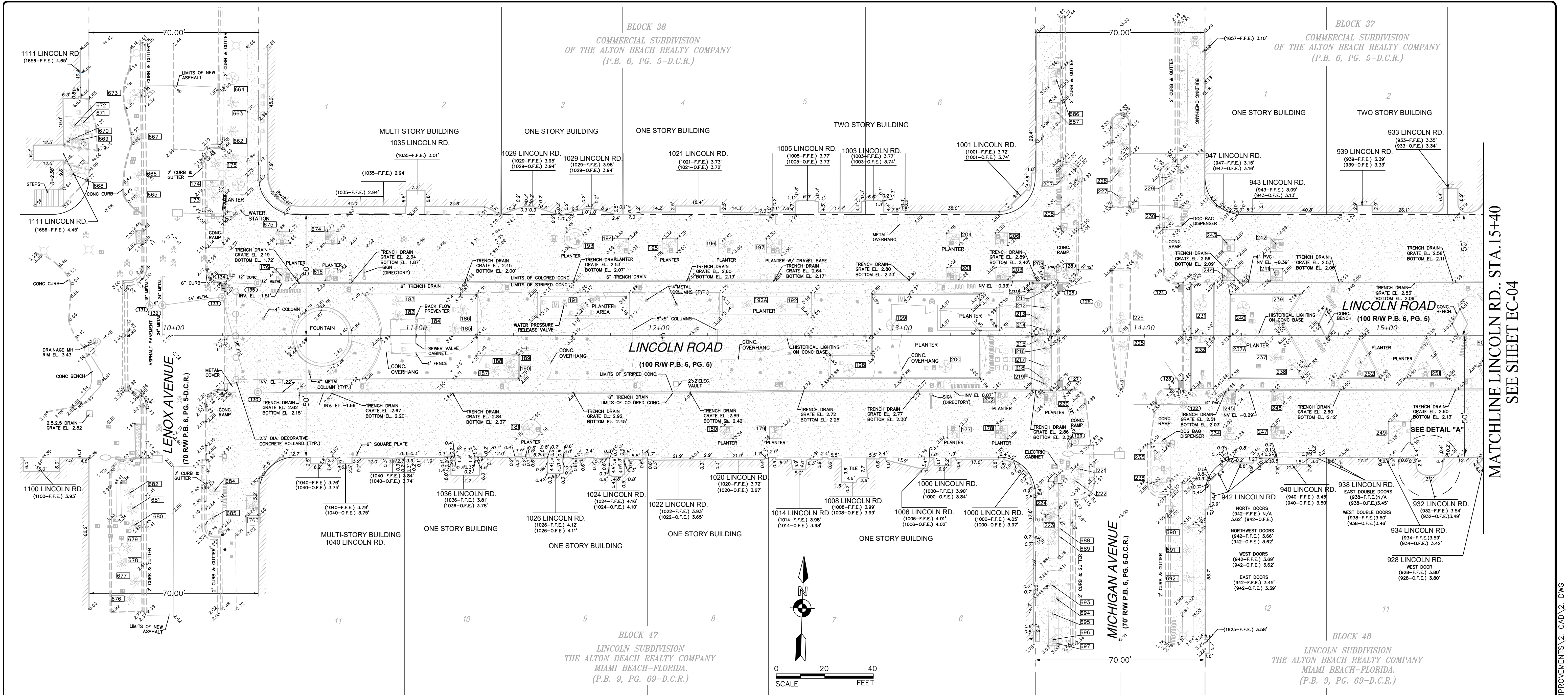
POINT	NORTHING	EASTING	ELEV.	DESCRIPTION
TRA-1	531097.42	941740.00	3.75	SMNLW BEC 0129 LCP 1
TRA-2	530518.56	941813.40	6.13	SMNLW BEC 0129 LCP 2
TRA-3	530024.18	941795.78	4.21	SMNLW BEC 0129 LCP 3
TRA-4	529997.75	941069.31	1.68	SMNLW BEC 0129 LCP 4
TRA-5	529974.55	940317.53	1.44	SMNLW BEC 0129 LCP 5
TRA-6	529945.06	939600.88	2.27	SMNLW BEC 0129 LCP 6
TRA-7	529922.46	938797.66	2.26	SMNLW BEC 0129 LCP 7
TRA-8	530410.26	938697.56	2.75	SMNLW BEC 0129 LCP 8
TRA-9	531001.81	938773.89	1.69	SMNLW BEC 0129 LCP 9
TRA-10	531029.19	939540.81	1.68	SMNLW BEC 0129 LCP 10
TRA-11	531055.58	940298.51	2.38	SMNLW BEC 0129 LCP 11
TRA-12	531082.93	941040.11	2.97	SMNLW BEC 0129 LCP 12
TRA-13	530499.73	941628.12	4.53	SMNLW BEC 0129 LCP 13
TRA-14	530508.88	941404.33	3.43	SMNLW BEC 0129 LCP 14
TRA-15	530580.69	941416.43	3.50	FMNLW BEC 0129 LCP 15
TRA-16	530493.74	941006.91	2.66	SMNLW 0129 BEC LCP 16
TRA-17	530569.48	941236.83	3.67	SMNLW BEC 0129 LCP 17
TRA-18	530485.61	941190.10	4.11	FMNL NO ID LCP 18
TRA-19	530492.70	940664.21	3.03	SMNLW BEC 0129 LCP 19
TRA-20	530552.29	940786.80	3.11	SMNLW BEC 0129 LCP 20
TRA-21	530461.02	940496.89	3.45	SMNLW BEC 0129 LCP 21
TRA-22	530475.58	940251.74	2.77	SMNLW BEC 0129 LCP 22
TRA-23	530406.17	940046.24	2.63	SMNLW BEC 0129 LCP 23
TRA-24	530455.24	939884.31	3.04	SMNLW BEC 0129 LCP 24
TRA-25	530449.40	939517.08	3.42	SMNLW BEC 0129 LCP 25
TRA-26	530427.78	939114.40	2.87	SMNLW BEC 0129 LCP 26
TRA-27	530472.15	940857.07	3.01	SMNLW BEC 0129 LCP 27
TRA-28	530552.47	940434.56	2.90	SMNLW BEC 0129 LCP 28
TRA-29	530439.57	939333.92	2.68	SMNLW BEC 0129 LCP 29
TRA-32	530011.14	941422.71	2.67	FND MGNL NO ID LCP 32
TRA-33	530691.83	941380.43	3.70	FNLW LB761 LCP 33
TRA-41	530749.74	941048.86	3.48	FND NLW LB0087 LCP 41
TRA-42	531055.34	941038.24	3.29	FND NLW LB0087 LCP 42
TRA-43	530693.10	941044.22	2.75	SMNLW BEC 0129 LCP 43
TRA-44	531117.26	940218.42	2.18	SMNLW BEC 0129 LCP 44
TRA-45	530696.89	940290.24	2.74	SMNLW BEC 0129 LCP 45
TRA-46	530432.16	939737.09	3.33	SMNLW BEC 0129 LCP 46
TRA-47	530529.68	939830.96	3.52	SMNLW BEC 0129 LCP 47
TRA-48	530541.49	940135.15	3.48	SMNLW BEC 0129 LCP 48
TRA-49	530486.84	941304.55	3.65	SET 60D LCP 49
TRA-50	530550.52	941616.41	4.94	SET 60D LCP 50
TRA-100	530605.04	942174.51	4.96	SET MNLW 0129 BEC
TRA-101	530573.85	942466.98	5.69	SET MNLW 0129 BEC

SURVEYOR'S NOTES

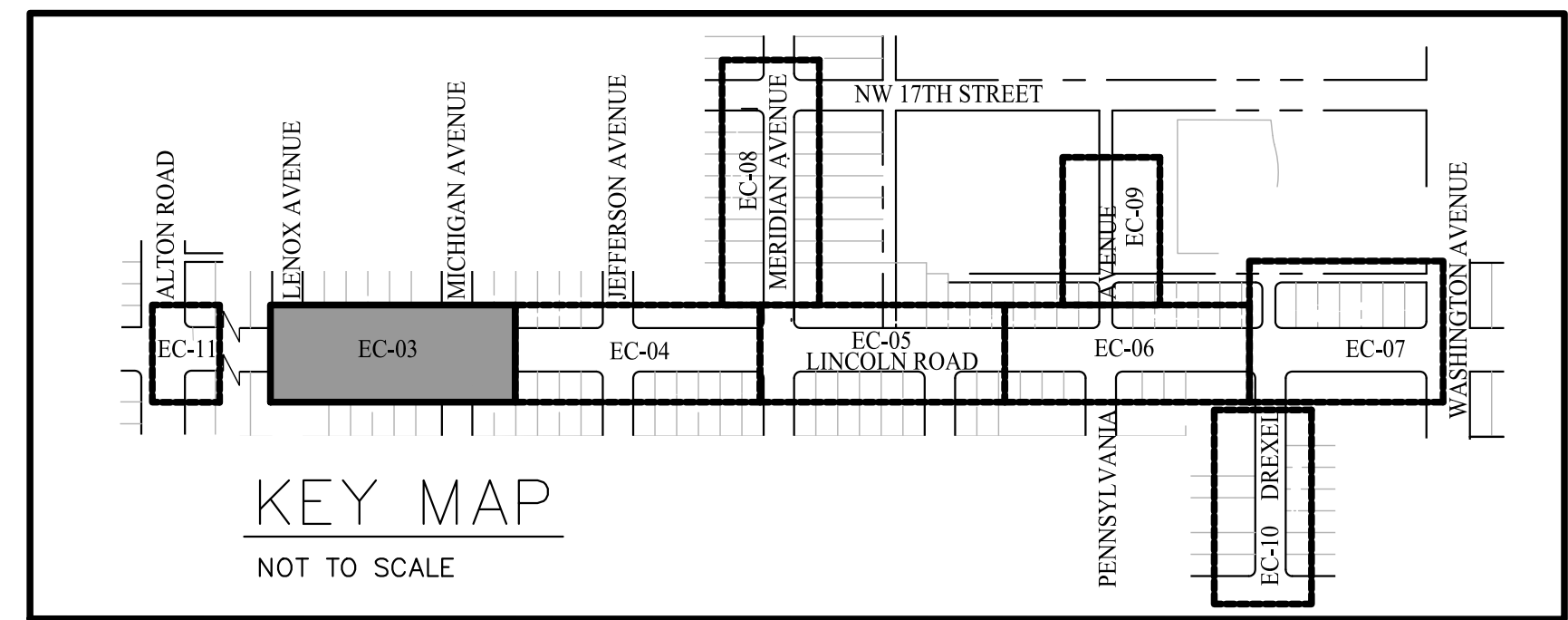
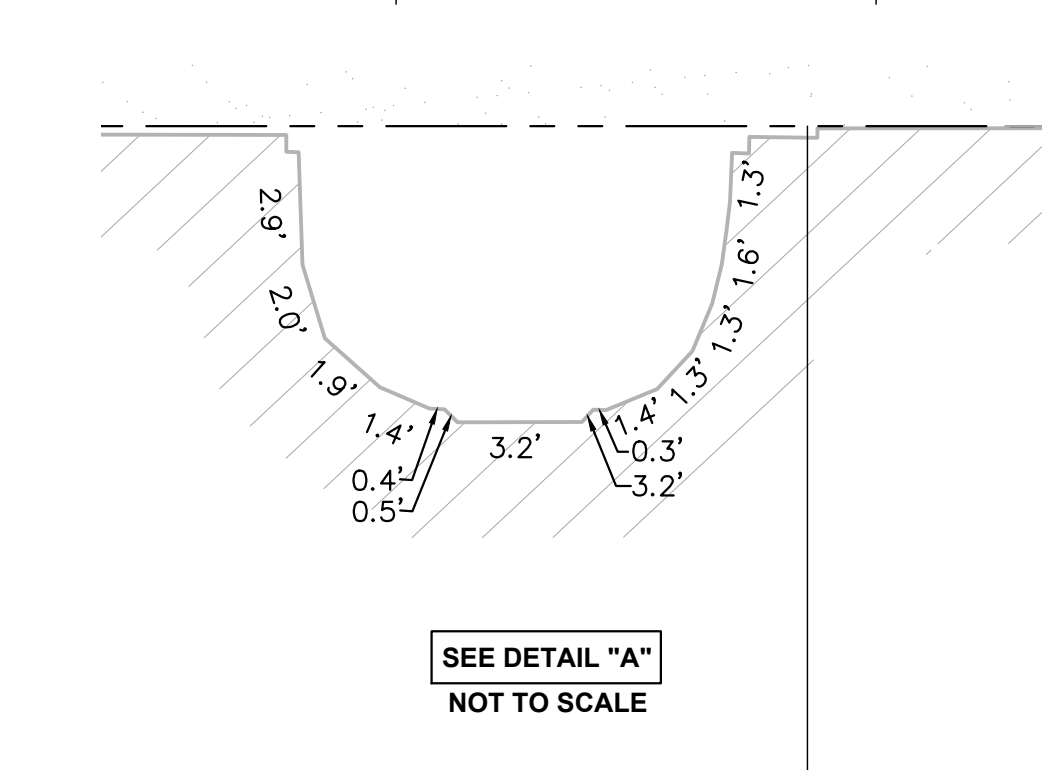
- Bearings and Coordinates shown hereon are based on the North American Datum of 1983/2011 Adjustment using real time kinematic (RTK) global position equipment having sub centimeter accuracy using a Trimble model R8 unit (dual frequency), and are referenced to; i) TRA 8, Nail and Washer, stamped BEC 0129, and TRA 2, Nail and Washer, stamped BEC 0129, having a bearing of N88°00'31"E measured between them.
- Elevations shown hereon are in US Survey Feet, and are based on North American Vertical Datum of 1988 (NAVD88), and are referenced to the following benchmarks: i) Miami-Dade County Benchmark "D-149", elevation 2.62', Pk Nail and Brass Washer in concrete, located on NE 15 street 37' south and 32' west of the centerline of Meridian Avenue; ii) Miami-Dade County Beach Benchmark "A-371", elevation 3.83', located at the nw corner of 17th Street and Wahsington Avenue.
- The background subdivisions information shown hereon for reference only.
- Field work date: 07-23-2016.
Updated Field work date: 12-27-2022.

ABBREVIATIONS

- B.E.C. = BISCAYNE ENGINEERING INC.
D.C.R. = DADE COUNTY RECORDS
LB = LICENSED BUSINESS
MN&W = MAG NAIL AND WASHER
N&W = NAIL AND WASHER
O.R.B. = OFFICIAL RECORDS BOOK
(P) = PER PLAT
P.B. = PLAT BOOK
PG. = PAGE
PK N&W = PARKER KALON NAIL AND WASHER
SMND = SET MAG NAIL AND WASHER
U.S. = UNITED STATES



STORM DRAIN AND SANITARY SEWER STRUCTURE INFORMATION									
STRUCTURE NUMBER	TYPE OF STRUCTURE	RIM EL. (feet)	NAVD88 BOTTOM (feet)	NAVD88 INV. EL. (feet)	DIRECTION	SIZE (inches)	MATERIAL	COMMENTS	
122	MHD	3.11	-0.167	0.48	EAST	12	PVC	FULL OF WATER	
123	CB	2.91	-0.74	0.15	WEST	N.V.V.	CONC	FULL OF WATER	
124	CB	2.65	-2.43	-0.74	NW	N.V.V.	N.V.V.	FULL OF WATER	
125	MHD	3.08	-2.12	-0.45	SE	N.V.V.	N.V.V.	FULL OF WATER & DIRT	
126	CB	2.73	-1.62	-0.17	NE	N.V.V.	N.V.V.	FULL OF WATER	
127	CB	2.90	-2.25	-1.00	W	N.V.V.	N.V.V.	FULL OF WATER	
128	MHD	3.12	-0.34	-1.04	SOUTH	12	N.V.V.	FULL OF WATER	
129	MHD	3.20	-2.23	-0.20	W	N.V.V.	N.V.V.	FULL OF WATER	
130	MHD	2.51	-1.75	-0.21	EAST	12	CONC	FULL OF WATER	
132	MHD	2.48	-4.86	-2.25	WEST	15	PVC	FULL OF WATER	
133	MHD	2.04	-2.36	-2.25	NORTH	15	N.V.V.	FULL OF WATER	
134	CB (WELL)	2.09	0.46	-1.66	SOUTH	12	N.V.V.	FULL OF WATER	
135	MHD	2.46	-6.09	-3.01	EAST	24	N.V.V.	FULL OF WATER	
131	MHD	2.61	-2.87	-4.18	WEST	24	METAL	FULL OF WATER	
				-4.21	NORTH	24	METAL	FULL OF WATER	
				-1.24	WEST	24	METAL	FULL OF WATER	
				-1.83	SE	18	PVC	FULL OF WATER	
				0.97	VERTICAL	16	METAL	INV. MEASURED AT TOP OF WELL	
				-2.22	WEST	12	PVC	FULL OF WATER AND TRASH	
				-5.81	EAST	N.V.V.	N.V.V.	N.V.V.	
				-1.99	NORTH	18	METAL	FULL OF WATER	
				-1.63	EAST	12	CONC	FULL OF WATER	



DRAINAGE AND SANITARY SEWER NOTES AND ABBREVIATIONS:
N.V.V. = NO VISUAL VERIFICATION POSSIBLE. UNABLE TO DETERMINE DRAINAGE INFORMATION IN PART OR IN FULL.

MIAMI BEACH PUBLIC WORKS DEPARTMENT 1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139	NEIGHBORHOOD:	NO. 9 CITY CENTER	 BISCAYNE ENGINEERING COMPANY, INC. Consulting Engineers - Planners - Surveyors MIAMI 520 WEST FLAGLER STREET, MIAMI, FL 33130 TEL (305) 324-7671 FAX (305) 324-0909 PALM BEACH 440 NW 36th STREET, BOCA RATON, FL 33431 TEL (561) 608-2320 WEB: WWW.BISCAYNEENGINEERING.COM	CITY MANAGER:	ENGINEER OF RECORD:	ACCEPTED BY:	5	File Name: SM-2022G - LINCOLN ROAD		
	TITLE:	LINCOLN RD. DISTRICT IMPROVEMENTS		DIRECTOR:	DESIGN ENGINEER:	3	Survey Reference:			
		CITY ENGINEER:	CHECKER: L.A.G./A.J.R.	SCALE: 1" = 20'	NO. DATE	REVISION	APP'D. BY	Date: 12/19/22	Sheet: 5 of 13	Drawing: EC-03

MATCHLINE LINCOLN RD. STA. 15+40
SEE SHEET EC-03

MATCHLINE LINCOLN ROAD STA. 20+80
SEE SHEET EC-05

STRUCTURE NUMBER	TYPE OF STRUCTURE	RIM EL. (feet)	NAVD88 BOTTOM (feet)	NAVD88 INV. EL. (feet)	DIRECTION	SIZE (inches)	MATERIAL	COMMENTS
114	MHD	2.93	0.13	0.13	EAST	12	PVC	FULL OF WATER
115	CB	2.59	-0.46	-0.03	NORTH	N.V.V.	N.V.V.	FULL OF WATER
116	CB	2.64	-1.26	-0.41	EAST	N.V.V.	N.V.V.	FULL OF WATER
				-0.52	SOUTH	N.V.V.	N.V.V.	FULL OF WATER
				-0.56	WEST	N.V.V.	N.V.V.	FULL OF WATER
				-2.96	EAST	N.V.V.	N.V.V.	FULL OF WATER
117	MHD	2.83	-1.97	-1.79	WEST	N.V.V.	N.V.V.	FULL OF WATER
				-1.66	EAST	N.V.V.	N.V.V.	FULL OF WATER
118	CB	2.68	-0.32	-0.12	WEST	N.V.V.	N.V.V.	FULL OF WATER
				-0.22	SOUTH	N.V.V.	N.V.V.	FULL OF WATER
118A	MHS	3.58		-1.72	NORTH	8"	N.V.V.	
				-1.68	EAST	8"	N.V.V.	
119	CB	2.79	-2.11	-1.91	NORTH	N.V.V.	N.V.V.	FULL OF WATER
				0.14	WEST	N.V.V.	N.V.V.	FULL OF WATER
				-1.11	EAST	N.V.V.	N.V.V.	FULL OF WATER
120	MHD	2.84	-4.06	-3.94	SOUTH	N.V.V.	N.V.V.	FULL OF WATER
				-1.30	WEST	N.V.V.	N.V.V.	FULL OF WATER
121	MHD	3.00	-0.57	-0.30	WEST	12"	PVC	FULL OF WATER

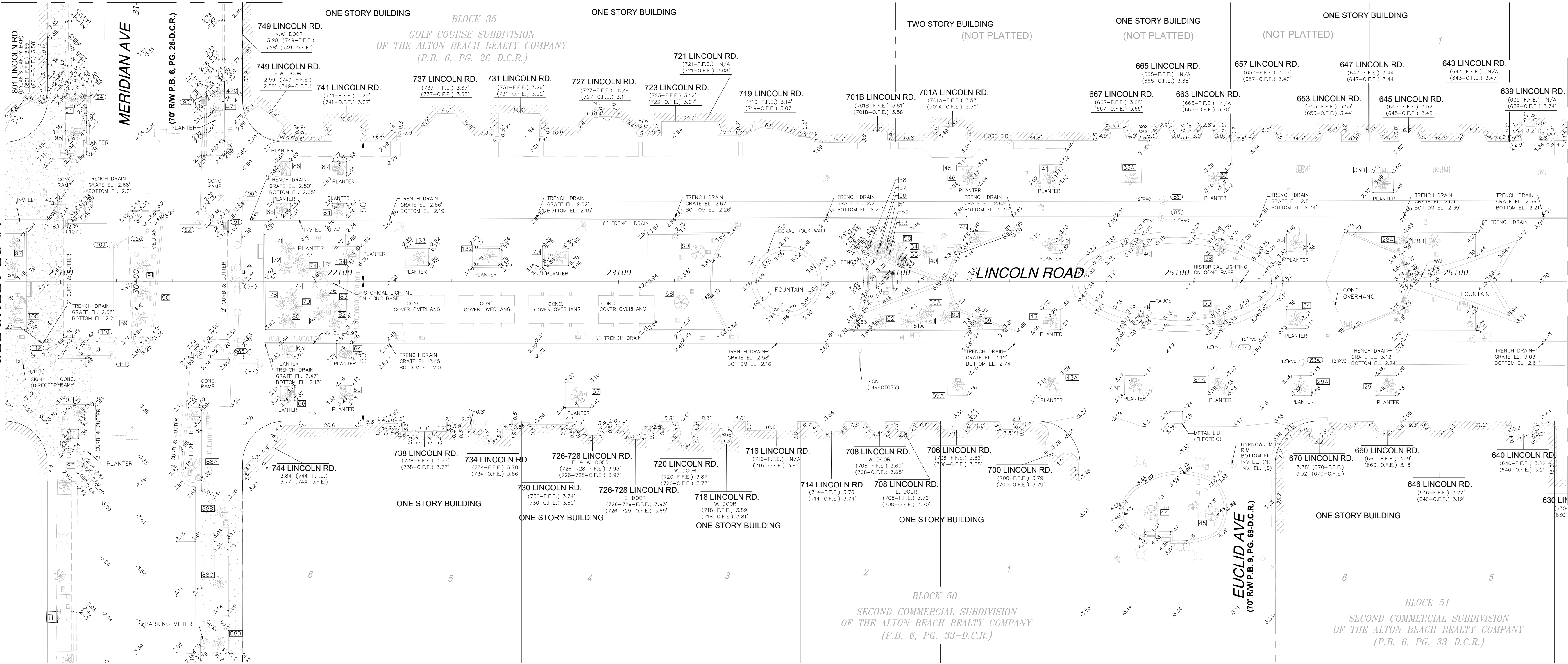
DRAINAGE AND SANITARY SEWER NOTES AND ABBREVIATIONS:

N.V.V. = NO VISUAL VERIFICATION POSSIBLE. UNABLE TO DETERMINE DRAINAGE INFORMATION IN PART OR IN FULL.

MATCHLINE MERIDIAN AVE. STA. 31+00 SEE SHEET EC-08

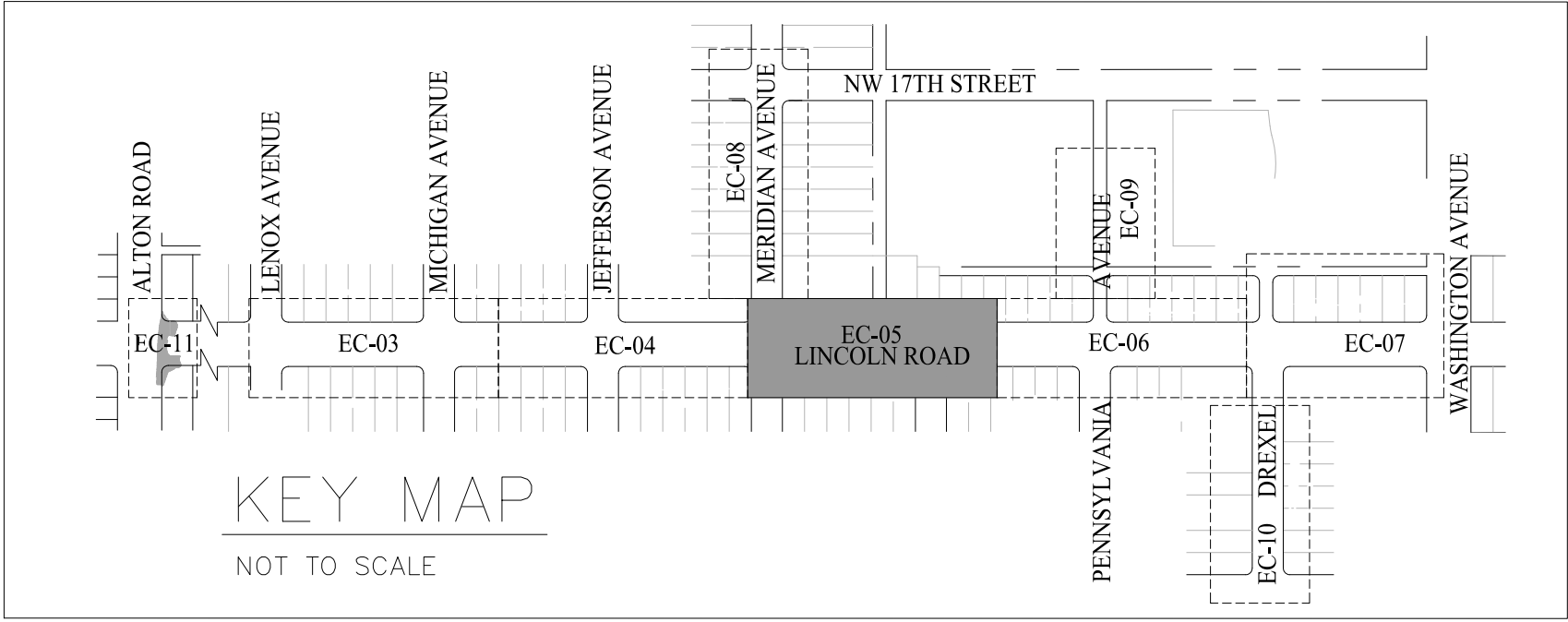
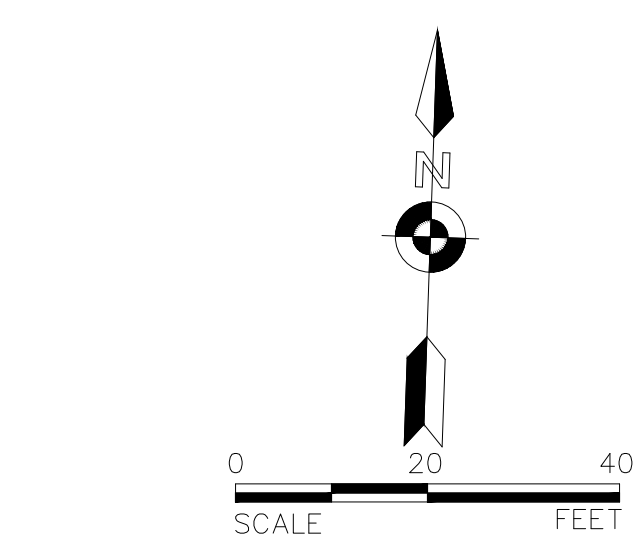
MATCHLINE LINCOLN RD.- STA. 20+80
SEE SHEET EC-04

PARCEL A
(O.R.B. 2927B,
PG. 146)



MATCHLINE LINCOLN RD. STA. 26+40
SEE SHEET EC-06

STRUCTURE NUMBER	TYPE OF STRUCTURE	RIM EL. (feet)	NAVD88 BOTTOM (feet)	NAVD88 INV. EL. (feet)	DIRECTION	SIZE (inches)	MATERIAL	COMMENTS
83 A	MHD	3.18	-0.02	0.08	WEST	12	PVC	
84	MHD	2.94	-1.26	0.10	EAST	12	PVC	
85	MHD	3.06	0.42	0.41	WEST	12	PVC	
86	MHD	3.14	0.34	0.63	EAST	12	PVC	
87	MHD	2.92	-1.83	-1.76	WEST	12	PVC	CITY UNABLE TO CLEAN FULL OF WATER
88	MHD	2.62	-0.45	-0.96	EAST	12	METAL	FULL OF WATER
89	MHD	2.81	-4.59	-0.83	NORTH	12	PVC	FULL OF WATER
90	MHD	2.54	-2.12	-2.50	SOUTH	12	PVC	FULL OF WATER
91	CB	2.25	-4.47	-2.28	EAST	12	PVC	FULL OF WATER
92	MHD	2.77	-0.43	-2.06	WEST	12	METAL	FULL OF WATER
93	CB	2.24	-0.82	-0.16	NORTH	12	PVC	FULL OF WATER
94	CB	2.20	-0.91	0.13	SOUTH	12	PVC	FULL OF WATER
107	CB	2.34	0.34	-0.18	EAST	12	METAL	FULL OF WATER
108	MHD	2.65	-1.17	-0.35	WEST	6	METAL	FULL OF WATER
109	MHD	3.27	-1.52	-0.30	NORTH	N.V.V.	CONC	FULL OF WATER
110	MHD	3.03	-1.75	-0.20	WEST	N.V.V.	N.V.V.	FULL OF WATER
111	MHD	2.99	-3.61	-1.53	NW	12	METAL	FULL OF WATER
				-1.36	SOUTH	N.V.V.	N.V.V.	FULL OF WATER
				0.53	EAST	N.V.V.	N.V.V.	FULL OF WATER
				-1.67	WEST	N.V.V.	N.V.V.	FULL OF WATER
				-1.40	SOUTH	N.V.V.	N.V.V.	FULL OF WATER
				0.24	NORTH	N.V.V.	N.V.V.	FULL OF WATER
				-1.56	WEST	12	METAL	FULL OF WATER
					SOUTH	24	CONC	FULL OF WATER



STRUCTURE NUMBER	TYPE OF STRUCTURE	RIM EL. (feet)	NAVD88 BOTTOM (feet)	NAVD88 INV. EL. (feet)	DIRECTION	SIZE (inches)	MATERIAL	COMMENTS
112	MHD	2.67	-1.17	-0.62	NORTH	12	PVC	FULL OF WATER
				0.03	EAST	N.V.V.	METAL	
113	MHD	2.83	-1.94	-0.38	WEST	12	PVC	FULL OF WATER
				-1.39	NORTH	12	PVC	FULL OF WATER
				-0.64	WEST	12	PVC	FULL OF WATER
92a	MHS	4.16	N/A	0.11	EAST	12	METAL	FULL OF DEBRIS
84a	MH	3.23	-5.62	-2.54	SOUTH	8	N.V.V.	
				-2.29	NORTH	8	N.V.V.	
				-1.37	NORTH			-3.85

DRAINAGE AND SANITARY SEWER NOTES AND ABBREVIATIONS:

N.V.V. = NO VISUAL VERIFICATION POSSIBLE. UNABLE TO DETERMINE DRAINAGE INFORMATION IN PART OR IN FULL.

MATCHLINE PENNSYLVANIA AVE. STA. 31+20
SEE SHEET EC-9

MATCHLINE LINCOLN RD. STA. 26+40
SEE SHEET EC-5

MATCHLINE LINCOLN RD. STA. 32+00
SEE SHEET EC-7

STRUCTURE NUMBER	TYPE OF STRUCTURE	RIM EL. (feet)	NAVD88 BOTTOM (feet)	NAVD88 INV. EL. (feet)	DIRECTION	SIZE (inches)	MATERIAL	COMMENTS
72 S	MHD	2.86	-3.84	0.02	ESE	12	CONC	FULL OF WATER
72a	CB	3.08	0.44	0.86	SW	12	CONC	
73	CB	3.03	1.34	1.92	NORTH	4	PVC	
74	MHD	3.14	N.V.V.	0.85	NE	12	RCP	
75	MHD	2.71	-5.34	1.34	WNW	6	CONC	DRY
76	CB	2.44	-2.46	-1.83	EAST	12	N.V.V.	FULL OF WATER
77	MHD	2.92	N.V.V.	-1.59	SOUTH	12	N.V.V.	FULL OF WATER AND DEBRIS
78	MHD	2.92	-3.90	-1.25	NORTH	18	N.V.V.	FULL OF WATER
79	MHD	2.95	-3.97	-0.51	EAST	15	PVC	FULL OF WATER
80	MHD (WELL)	2.82	-4.32	-0.22	WEST	15	N.V.V.	OVERSIZE STRUCTURE
81	MHD	2.96	-5.43	N.V.V.	N.V.V.	N.V.V.	N.V.V.	STRUCTURE IS BOX CONNECTED TO MHD '80. TOP OF DIVISION
82	CB	2.51	0.97	N.V.V.	N.V.V.	N.V.V.	N.V.V.	WALL ELEV. = 0.56
83 B	MHD	3.00	-4.05	N.V.V.	N.V.V.	N.V.V.	N.V.V.	TOP OF WELL EL 0.38
					SW	N.V.V.	N.V.V.	FULL OF WATER AND DEBRIS
					WEST	12	N.V.V.	
					SOUTH	15	N.V.V.	
					SOUTH	36	CONC	BOX
								OVERSIZE STRUCTURE, NO PIPES
								VISIBLE, POSSIBLE N & S PIPE
								PER COUNTY'S GIS WEBSITE.

DRAINAGE AND SANITARY SEWER NOTES AND ABBREVIATIONS:

N.V.V. = NO VISUAL VERIFICATION POSSIBLE. UNABLE TO DETERMINE DRAINAGE INFORMATION IN PART OR IN FULL.



NEIGHBORHOOD: NO. 9 CITY CENTER
TITLE: LINCOLN RD. DISTRICT IMPROVEMENTS



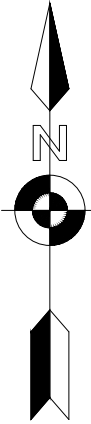
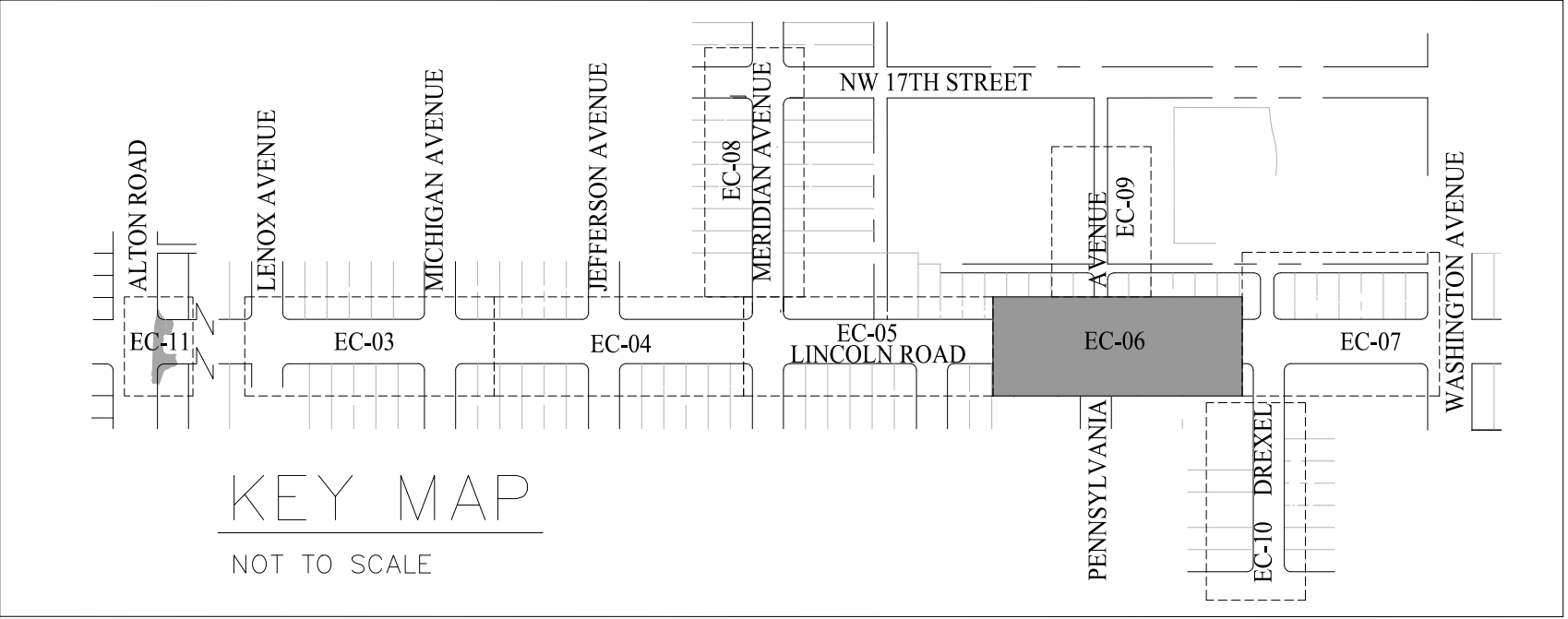
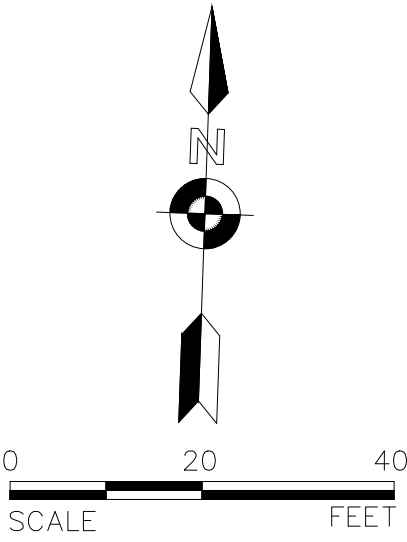
CITY MANAGER:
DIRECTOR:
CITY ENGINEER:

ENGINEER OF RECORD:
DESIGN ENGINEER:
DRAWN BY: W.R./P.M.
CHECKER: L.A.G./P.M.
SCALE: 1" = 20'

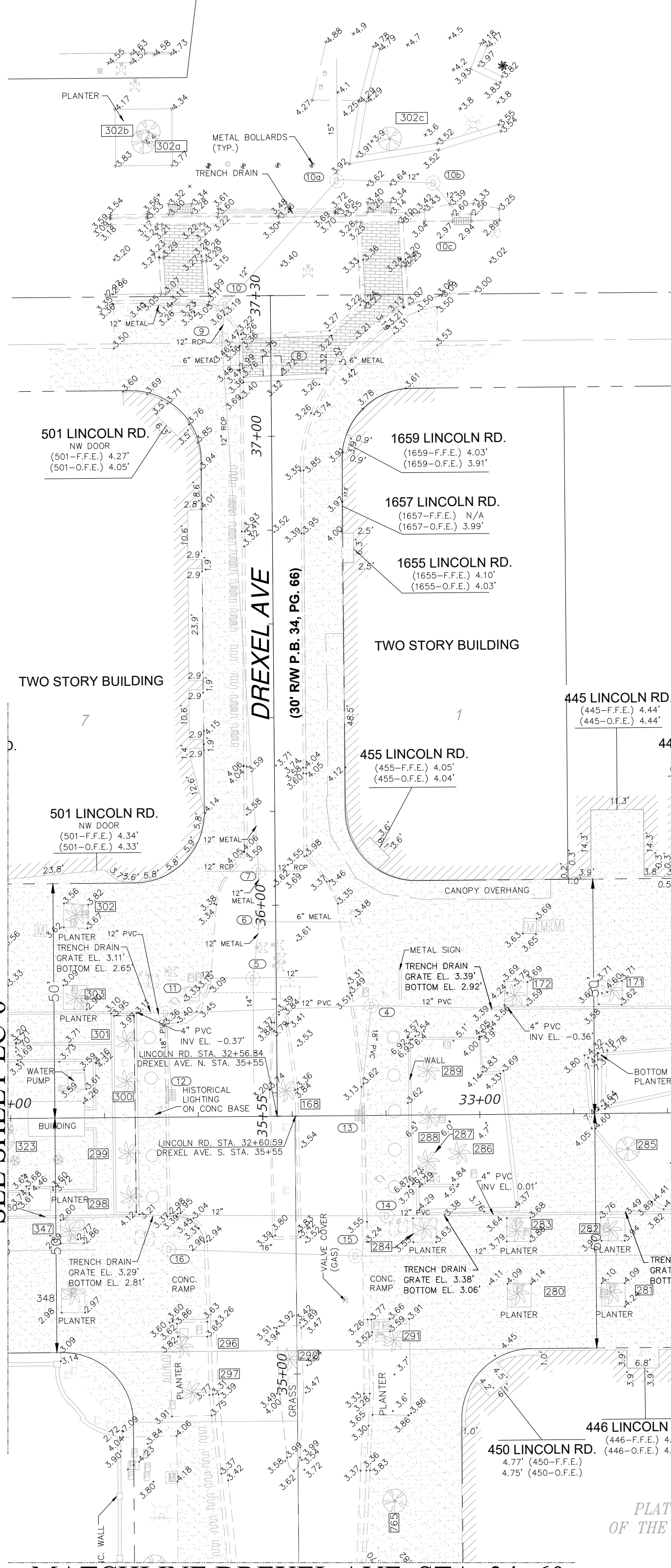
ACCEPTED BY:
CITY SURVEYOR MANAGER

NO.	DATE	REVISION
5		
4		
3		
2		
1		

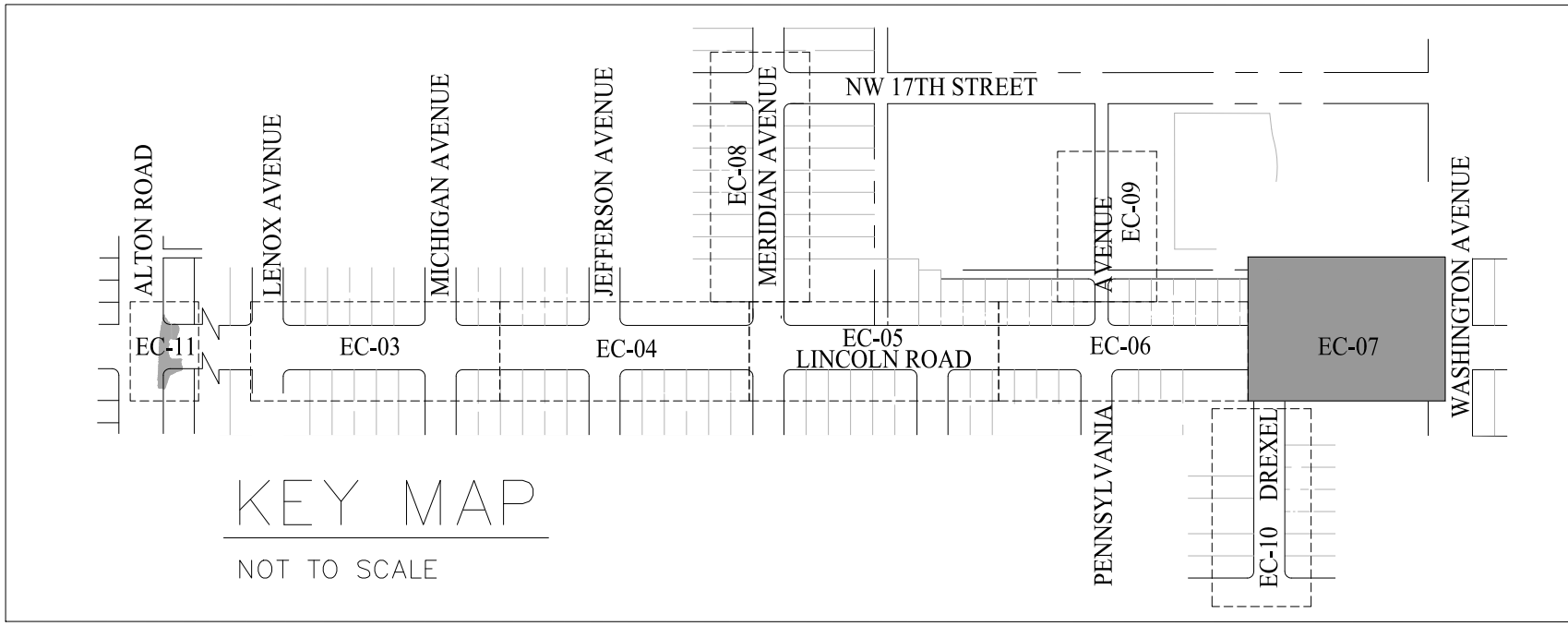
File Name: SM-2022G - LINCOLN ROAD
Survey Reference: 2868, 2889
Field Book: 2891, 2892, 3102/13,14,16, 3108/29
Page: _____ Work Order: _03-87520
Date: 10/19/22 Sheet: 8 of 13 Drawing: EC-06



MATCHLINE LINCOLN RD. STA. 32+00
SEE SHEET EC-6



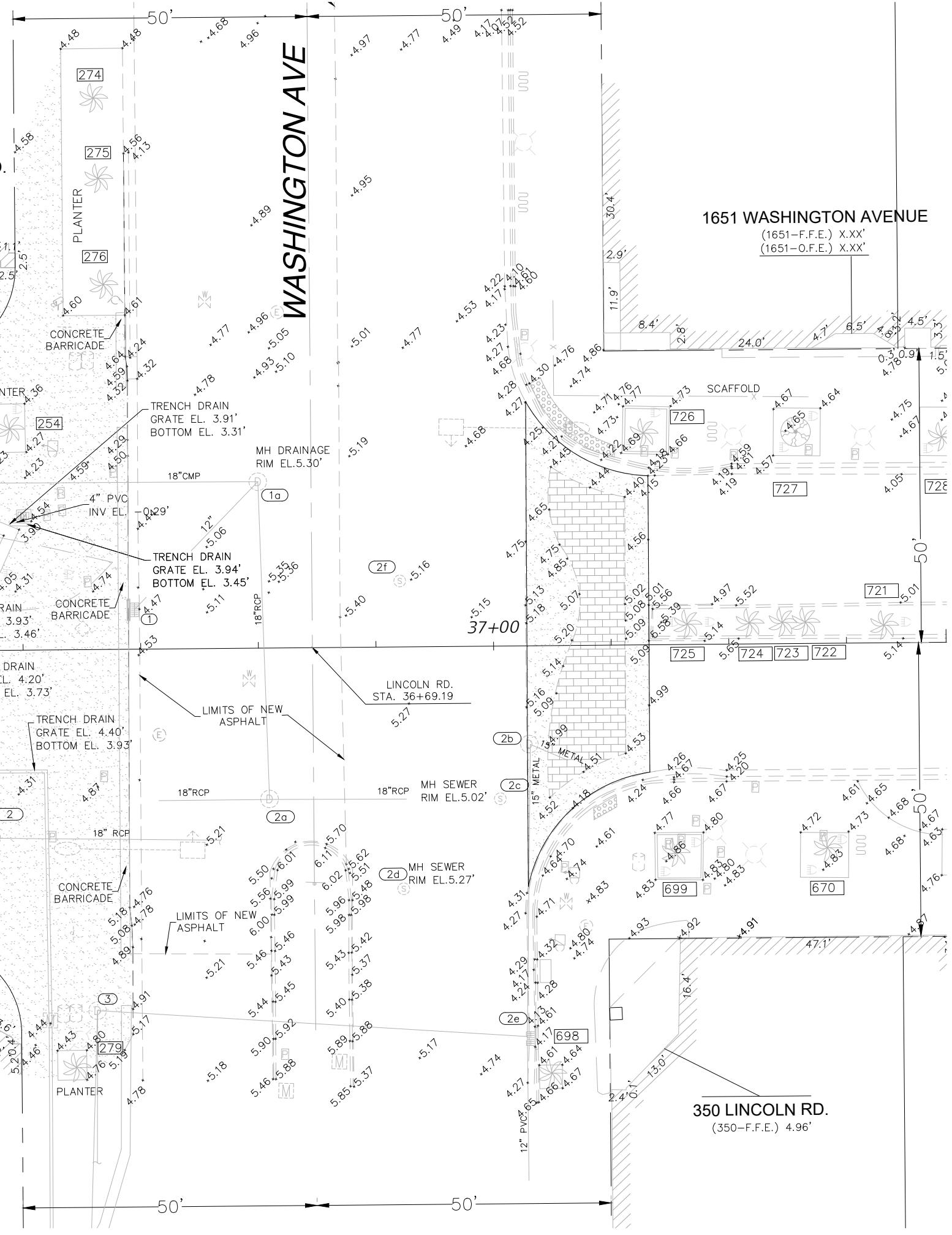
MATCHLINE DREXEL AVE. STA. 34+60
SEE SHEET EC-10



STRUCTURE NUMBER	TYPE OF STRUCTURE	RIM EL. (feet)	NAVD88 BOTTOM (feet)	NAVD88 INV. EL. (feet)	DIRECTION	SIZE (inches)	MATERIAL	COMMENTS
1	CB	4.44	0.57	0.85	NE	12	METAL	
1a	MHD	5.30	0.10	-0.43	SOUTH	18	CONC	
				-0.50	WEST	18	CMP	
				0.06	SOUTHWEST	12	CONC	
2	MHD	4.34	-0.33	-0.05	WEST	18	METAL	
				-0.17	EAST	18	CONC	
				0.86	NORTH	12	METAL	
2a	MHD	5.42	-0.58	-0.55	NORTH	18	CONC	
				-0.48	EAST	18	CONC	
				-0.58	WEST	18	CONC	
2b	MHD	5.02	1.82	1.92	SOUTH	15	STEEL	
				1.94	SOUTHEAST	15	STEEL	
3	MHD	4.83	0.02	3.50	EAST	14	CONC	
				1.39	SOUTH	12	METAL	
				0.31	SOUTH	6	PVC	
4	MHD	3.64	-0.19	-0.02	EAST	12	PVC	
				-0.02	SOUTH	18	PVC	
				-0.06	WEST	12	METAL	
5	MHD	3.36	-3.51	-0.50	NORTH	12	N.V.V.	
				-0.30	WEST	12	N.V.V.	
				-3.19	SOUTH	14	N.V.V.	
				-3.29	EAST	12	N.V.V.	
6	MHD	3.55	-0.64	0.42	SOUTH	12	METAL	
				0.17	NORTH	12	METAL	
				-0.50	EAST	6	METAL	
7	MHD	3.57	0.28	0.28	SOUTH	12	METAL	
				0.28	NORTH	12	METAL	
				1.13	EAST	12	CONC	
				1.13	WEST	12	CONC	
8	MHS	3.40		-0.60	WEST	6	METAL	
				-0.62	EAST	6	METAL	
9	MHD	3.56	0.00	0.05	NORTH	12	CONC	
				0.15	SOUTH	12	CONC	
10	MH NO ID	3.16	-1.92	-1.15	NE	12	N.V.V.	
				-0.14	SOUTH	12	CONC	
				-0.14	WEST	12	METAL	
11	MHD	3.20	-0.55	-0.33	EAST	12	CONC	
				-0.44	WEST	12	PVC	
				-0.47	SOUTH	18	PVC	
12	CB	2.81	-0.45	-0.34	NORTH	18	PVC	
13	CB	3.12	-0.15	0.03	NORTH	18	PVC	

DRAINAGE AND SANITARY SEWER NOTES AND ABBREVIATIONS:
N.V.V. = NO VISUAL VERIFICATION POSSIBLE. UNABLE TO DETERMINE DRAINAGE INFORMATION IN PART OR IN FULL.

STRUCTURE NUMBER	TYPE OF STRUCTURE	RIM EL. (feet)	NAVD88 BOTTOM (feet)	NAVD88 INV. EL. (feet)	DIRECTION	SIZE (inches)	MATERIAL	COMMENTS
1	CB	4.44	0.57	0.85	NE	12	METAL	
1a	MHD	5.30	0.10	-0.43	SOUTH	18	CONC	
				-0.50	WEST	18	CMP	
				0.06	SOUTHWEST	12	CONC	
2	MHD	4.34	-0.33	-0.05	WEST	18	METAL	
				-0.17	EAST	18	CONC	
				0.86	NORTH	12	METAL	
2a	MHD	5.42	-0.58	-0.55	NORTH	18	CONC	
				-0.48	EAST	18	CONC	
				-0.58	WEST	18	CONC	
2b	MHD	5.02	1.82	1.92	SOUTH	15	STEEL	
				1.94	SOUTHEAST	15	STEEL	
3	MHD	4.83	0.02	3.50	EAST	14	CONC	
				1.39	SOUTH	12	METAL	
				0.31	SOUTH	6	PVC	
4	MHD	3.64	-0.19	-0.02	EAST	12	PVC	
				-0.02	SOUTH	18	PVC	
				-0.06	WEST	12	METAL	
5	MHD	3.36	-3.51	-0.50	NORTH	12	N.V.V.	
				-0.30	WEST	12	N.V.V.	
				-3.19	SOUTH	14	N.V.V.	
				-3.29	EAST	12	N.V.V.	
6	MHD	3.55	-0.64	0.42	SOUTH	12	METAL	
				0.17	NORTH	12	METAL	
				-0.50	EAST	6	METAL	
7	MHD	3.57	0.28	0.28	SOUTH	12	METAL	
				0.28	NORTH	12	METAL	
				1.13	EAST	12	CONC	
				1.13	WEST	12	CONC	
8	MHS	3.40		-0.60	WEST	6	METAL	
				-0.62	EAST	6	METAL	
9	MHD	3.56	0.00	0.05	NORTH	12	CONC	
				0.15	SOUTH	12	CONC	
10	MH NO ID	3.16	-1.92	-1.15	NE	12	N.V.V.	
				-0.14	SOUTH	12	CONC	
				-0.14	WEST	12	METAL	
11	MHD	3.20	-0.55	-0.33	EAST	12	CONC	
				-0.44	WEST	12	PVC	
				-0.47	SOUTH	18	PVC	
12	CB	2.81	-0.45	-0.34	NORTH	18	PVC	
13	CB	3.12	-0.15	0.03	NORTH	18	PVC	



0 20 40
SCALE FEET

NEIGHBORHOOD: NO. 9 CITY CENTER
TITLE: LINCOLN RD. DISTRICT IMPROVEMENTS

BISCAYNE ENGINEERING COMPANY, INC.
Consulting Engineers - Planners - Surveyors
MIAMI
529 WEST FLAGLER STREET, MIAMI, FL 33130
TEL (305) 324-7671
FAX (305) 324-0809
PALM BEACH
449 NW 35th STREET, BOCA RATON, FL 33431
TEL (561) 608-2329
WEB: WWW.BISCAYNEENGINEERING.COM

CITY MANAGER:
DIRECTOR:
CITY ENGINEER:

ENGINEER OF RECORD:
DESIGN ENGINEER:
DRAWN BY: W.R./P.M.
CHECKER: L.A.G./A.J.R.
SCALE: 1" = 20'

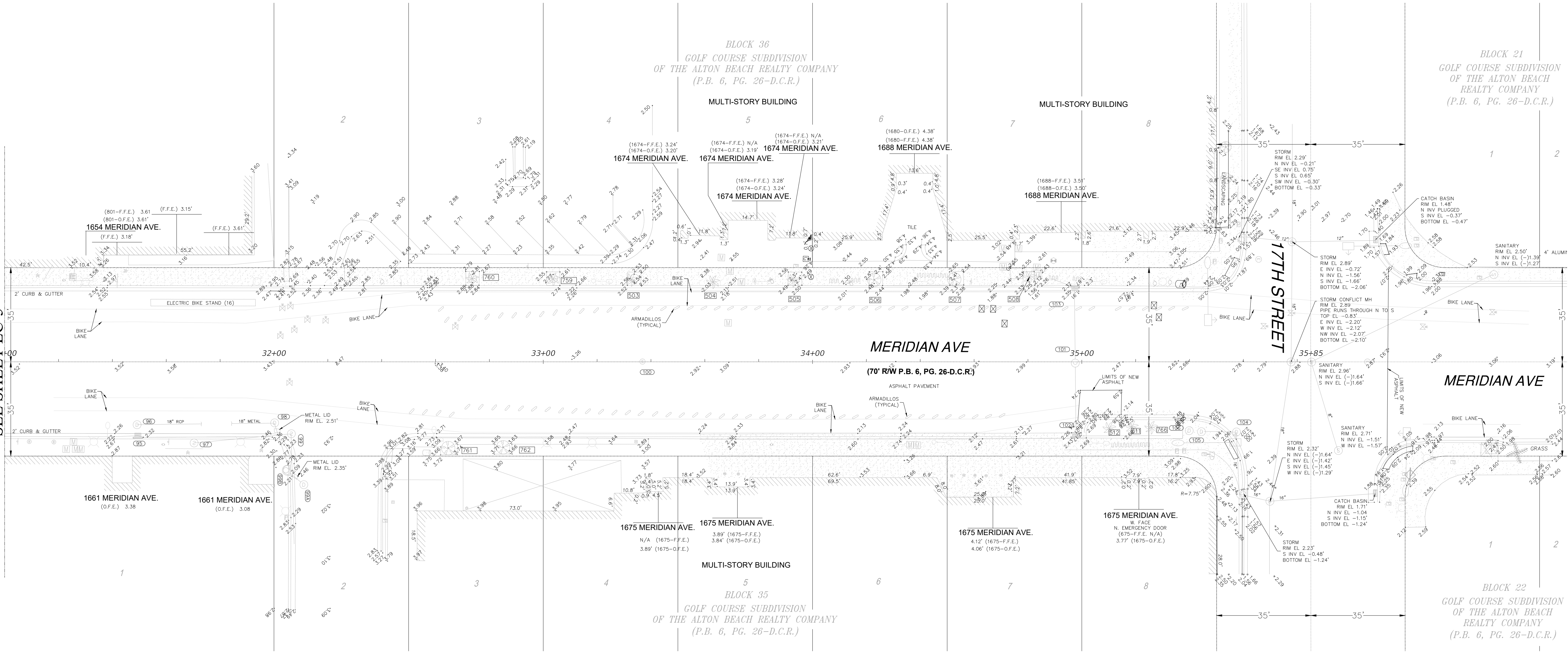
ACCEPTED BY:
CITY SURVEYOR MANAGER

NO.	DATE	REVISION	APP'D. BY
5			
4			
3			
2			
1			

File Name: SM-2022G - LINCOLN ROAD
Survey Reference:
Field Book: 2891, 2892, 2898, 2899, 3102/13,14,16, 3108/29
Page: Work Order: _03-87520
Date: 10/19/22 Sheet: 9 of 13 Drawing: EC-07

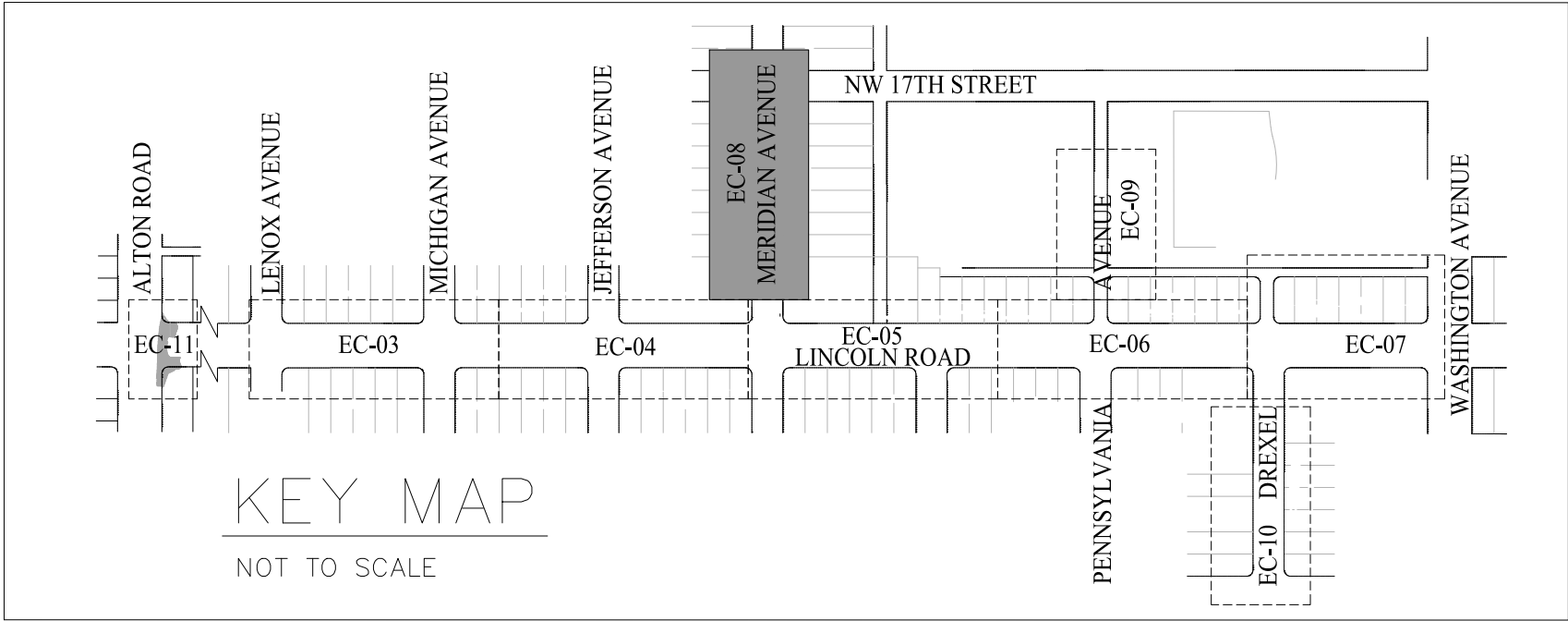
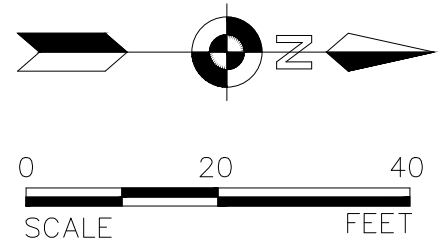
MIAMI BEACH
PUBLIC WORKS DEPARTMENT
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

MATCHLINE MERIDIAN AVE. STA. 31+00
SEE SHEET EC-5



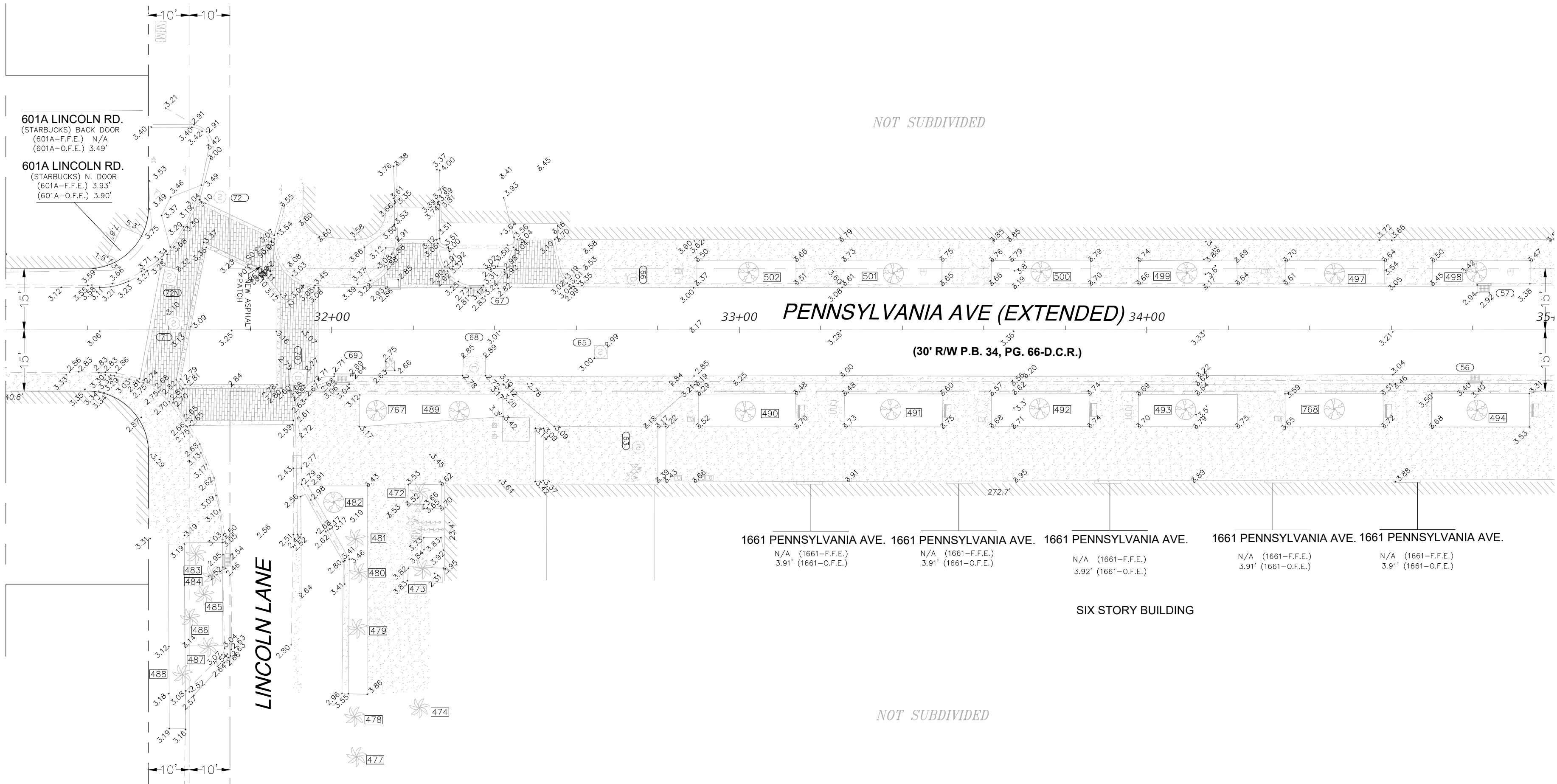
STRUCTURE NUMBER	TYPE OF STRUCTURE	RIM EL. (feet)	NAVD88 BOTTOM (feet)	NAVD88 INV. EL. (feet)	DIRECTION	SIZE (inches)	MATERIAL	COMMENTS
96	MHD	2.58	0.44	0.44	NORTH	18	CONC	98 MHD 2.70 -0.12 0.82 NE
	18	CONC						
101	MHD	2.99	-1.98	0.37	SOUTH	18	CONC	
				-1.40	EAST	15	N.V.V.	FULL OF WATER, TOP OF
102	CB	2.24	-2.16	-0.85	WEST	18	N.V.V.	CONFLICT PIPE EL. = -1.06'
				-1.77	WEST	12	N.V.V.	FULL OF WATER
103	CB	1.90	-1.77	-1.70	NORTH	12	N.V.V.	
				0.35	SW	12	PVC	
104	MHD	2.21	-2.46	-0.40	EAST	12	N.V.V.	
				-0.80	EAST	12	CONC	FULL OF WATER
105	MHD	2.49	-4.51	-1.90	SOUTH	18	METAL	FULL OF WATER & DEBRIS
106	MHD (WELL)	2.61	-0.16	-1.41	NORTH	18	METAL	WELL, TOP OF VERTICAL PIPE ELEVATION = 0.31
								FULL OF WATER & DEBRIS
97	MHS	2.90	0.20	-0.75	SW	8	PVC	
N.V.V.	N	8	PVC					
99	MHS	2.59		0.39	SOUTH	8	PVC	
				0.40	EAST	8	CONC	
100	MHS	3.23		N.V.V.	N.V.V.	N.V.V.	N.V.V.	FULL OF WASTE
95	CB	2.25	-0.59					
99A	MHD	2.82	0.27	0.35	EAST	18	RCP	
				0.52	SW	12	PVC	
99B	MHD	2.84	0.54	0.59	NE	12	PVC	
				0.58	SOUTH	9	METAL	
				0.57	WEST	15	RCP	

DRAINAGE AND SANITARY SEWER NOTES AND ABBREVIATIONS:
N.V.V. = NO VISUAL VERIFICATION POSSIBLE. UNABLE TO DETERMINE DRAINAGE INFORMATION IN PART OR IN FULL.



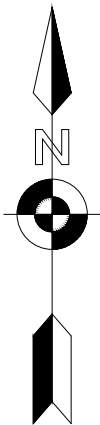
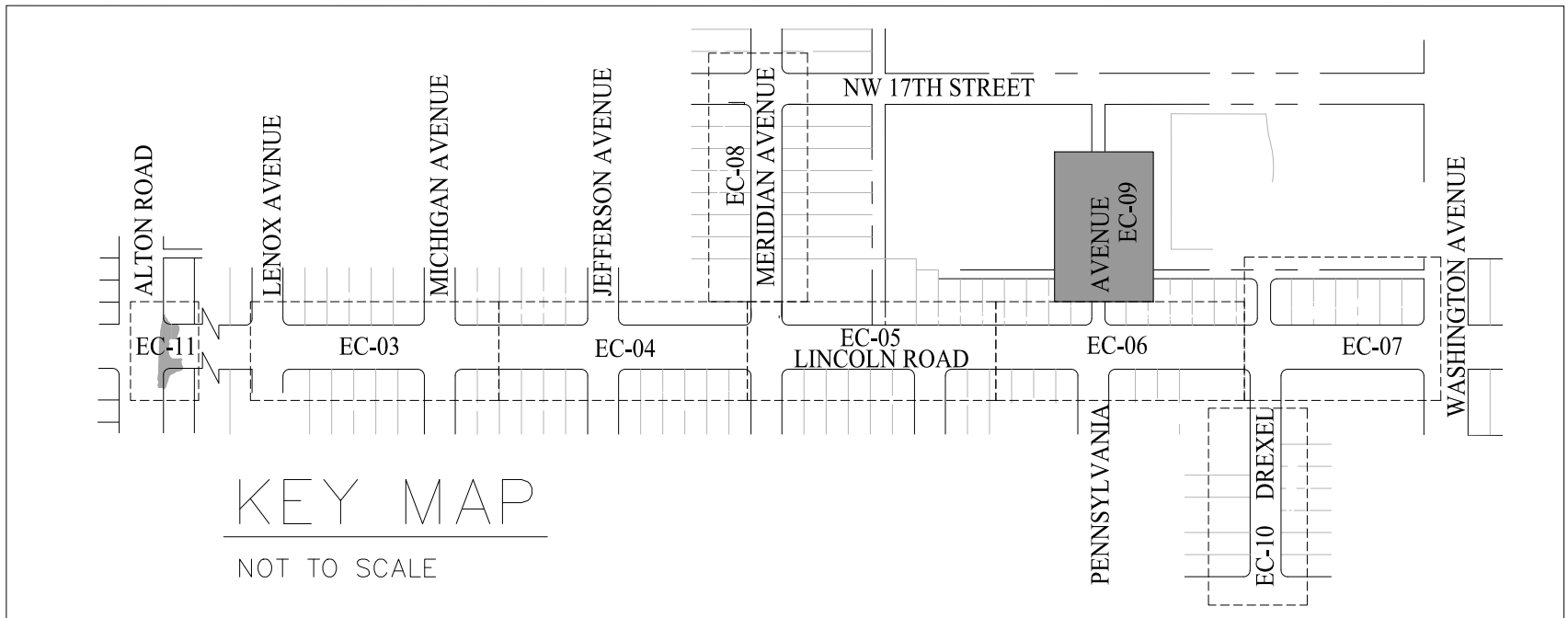
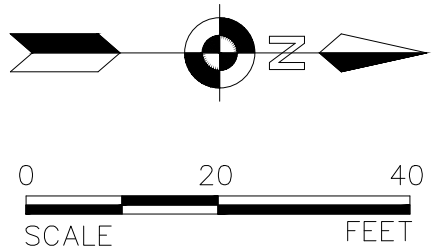
	NEIGHBORHOOD:	NO. 9 CITY CENTER		CITY MANAGER:	ENGINEER OF RECORD: _____	ACCEPTED BY: _____	5 4 3 2 1	NO.	DATE	REVISION	APP'D. BY	File Name: SM-2022G - LINCOLN ROAD
	TITLE:	LINCOLN RD. DISTRICT IMPROVEMENTS		DIRECTOR:	DESIGN ENGINEER: _____							Survey Reference: _____
				CITY ENGINEER:	DRAWN BY: W.R./P.M.							Field Book: 2899, 2898, 2897, 2896, 2895, 2894, 2893, 2892, 2891, 2890, 2889, 2888, 2887, 2886, 2885, 2884, 2883, 2882, 2881, 2880, 2879, 2878, 2877, 2876, 2875, 2874, 2873, 2872, 2871, 2870, 2869, 2868, 2867, 2866, 2865, 2864, 2863, 2862, 2861, 2860, 2859, 2858, 2857, 2856, 2855, 2854, 2853, 2852, 2851, 2850, 2849, 2848, 2847, 2846, 2845, 2844, 2843, 2842, 2841, 2840, 2839, 2838, 2837, 2836, 2835, 2834, 2833, 2832, 2831, 2830, 2829, 2828, 2827, 2826, 2825, 2824, 2823, 2822, 2821, 2820, 2819, 2818, 2817, 2816, 2815, 2814, 2813, 2812, 2811, 2810, 2809, 2808, 2807, 2806, 2805, 2804, 2803, 2802, 2801, 2800, 2799, 2798, 2797, 2796, 2795, 2794, 2793, 2792, 2791, 2790, 2789, 2788, 2787, 2786, 2785, 2784, 2783, 2782, 2781, 2780, 2779, 2778, 2777, 2776, 2775, 2774, 2773, 2772, 2771, 2770, 2769, 2768, 2767, 2766, 2765, 2764, 2763, 2762, 2761, 2760, 2759, 2758, 2757, 2756, 2755, 2754, 2753, 2752, 2751, 2750, 2749, 2748, 2747, 2746, 2745, 2744, 2743, 2742, 2741, 2740, 2739, 2738, 2737, 2736, 2735, 2734, 2733, 2732, 2731, 2730, 2729, 2728, 2727, 2726, 2725, 2724, 2723, 2722, 2721, 2720, 2719, 2718, 2717, 2716, 2715, 2714, 2713, 2712, 2711, 2710, 2709, 2708, 2707, 2706, 2705, 2704, 2703, 2702, 2701, 2700, 2699, 2698, 2697, 2696, 2695, 2694, 2693, 2692, 2691, 2690, 2689, 2688, 2687, 2686, 2685, 2684, 2683, 2682, 2681, 2680, 2679, 2678, 2677, 2676, 2675, 2674, 2673, 2672, 2671, 2670, 2669, 2668, 2667, 2666, 2665, 2664, 2663, 2662, 2661, 2660, 2659, 2658, 2657, 2656, 2655, 2654, 2653, 2652, 2651, 2650, 2649, 2648, 2647, 2646, 2645, 2644, 2643, 2642, 2641, 2640, 2639, 2638, 2637, 2636, 2635, 2634, 2633, 2632, 2631, 2630, 2629, 2628, 2627, 2626, 2625, 2624, 2623, 2622, 2621, 2620, 2619, 2618, 2617, 2616, 2615, 2614, 2613, 2612, 2611, 2610, 2609, 2608, 2607, 2606, 2605, 2604, 2603, 2602, 2601, 2600, 2599, 2598, 2597, 2596, 2595, 2594, 2593, 2592, 2591, 2590, 2589, 2588, 2587, 2586, 2585, 2584, 2583, 2582, 2581, 2580, 2579, 2578, 2577, 2576, 2575, 2574, 2573, 2572, 2571, 2570, 2569, 2568, 2567, 2566, 2565, 2564, 2563, 2562, 2561, 2560, 2559, 2558, 2557, 2556, 2555, 2554, 2553, 2552, 2551, 2550, 2549, 2548, 2547, 2546, 2545, 2544, 2543, 2542, 2541, 2540, 2539, 2538, 2537, 2536, 2535, 2534, 2533, 2532, 2531, 2530, 2529, 2528, 2527, 2526, 2525, 2524, 2523, 2522, 2521, 2520, 2519, 2518, 2517, 2516, 2515, 2514, 2513, 2512, 2511, 2510, 2509, 2508, 2507, 2506, 2505, 2504, 2503, 2502, 2501, 2500, 2499, 2498, 2497, 2496, 2495, 2494, 2493, 2492, 2491, 2490, 2489, 2488, 2487, 2486, 2485, 2484, 2483, 2482, 2481, 2480, 2479, 2478, 2477, 2476, 2475, 2474, 2473, 2472, 2471, 2470, 2469, 2468, 2467, 2466, 2465, 2464, 2463, 2462, 2461, 2460, 2459, 2458, 2457, 2456, 2455, 2454, 2453, 2452, 2451, 2450, 2449, 2448, 2447, 2446, 2445, 2444, 2443, 2442, 2441, 2440, 2439, 2438, 2437, 2436, 2435, 2434, 2433, 2432, 2431, 2430, 2429, 2428, 2427, 2426, 2425, 2424, 2423, 2422, 2421, 2420, 2419, 2418, 2417, 2416, 2415, 2414, 2413, 2412, 2411, 2410, 2409, 2408, 2407, 2406, 2405, 2404, 2403, 2402, 2401, 2400, 2399, 2398, 2397, 2396, 2395, 2394, 2393, 2392, 2391, 2390, 2389, 2388, 2387, 2386, 2385, 2384, 2383, 2382, 2381, 2380, 2379, 2378, 2377, 2376, 2375, 2374, 2373, 2372, 2371, 2370, 2369, 2368, 2367, 2366, 2365, 2364, 2363, 2362, 2361, 2360, 2359, 2358, 2357, 2356, 2355, 2354, 2353, 2352, 2351, 2350, 2349, 2348, 2347, 2346, 2345, 2344, 2343, 2342, 2341, 2340, 2339, 2338, 2337, 2336, 2335, 2334, 2333, 2332, 2331, 2330, 2329, 2328, 2327, 2326, 2325, 2324, 2323, 2322, 2321, 2320, 2319, 2318, 2317, 2316, 2315, 2314, 2313, 2312, 2311, 2310, 2309, 2308, 2307, 2306, 2305, 2304, 2303, 2302, 2301, 2300, 2299, 2298, 2297, 2296, 2295, 2294, 2293, 2292, 2291, 2290, 2289, 2288, 2287, 2286, 2285, 2284, 2283, 2282, 2281, 2280, 2279, 2278, 2277, 2276, 2275, 2274, 2273, 2272, 2271, 2270, 2269, 2268, 2267, 2266, 2265, 2264, 2263, 2262, 2261, 2260, 2259, 2258, 2257, 2256, 2255, 2254, 2253, 2252, 2251, 2250, 2249, 2248, 2247, 2246, 2245, 2244, 2243, 2242, 2241, 2240, 2239, 2238, 2237, 2236, 2235, 2234, 2233, 2232, 2231, 2230, 2229, 2228, 2227, 2226, 2225, 2224, 2223, 2222, 2221, 2220, 2219, 2218, 2217, 2216, 2215, 2214, 2213, 2212, 2211, 2210, 2209, 2208, 2207, 2206, 2205, 2204, 2203, 2202, 2201, 2200, 2199, 2198, 2197, 2196, 2195, 2194, 2193, 2192, 2191, 2190, 2189, 2188, 2187, 2186, 2185, 2184, 2183, 2182, 2181, 2180, 2179, 2178, 2177, 2176, 2175, 2174, 2173, 2172, 2171, 2170, 2169, 2168, 2167, 2166, 2165, 2164, 2163, 2162, 2161, 2160, 2159, 2158, 2157, 2156, 2155, 2154, 2153, 2152, 2151, 2150, 2149, 2148, 2147, 2146, 2145, 2144, 2143, 2142, 2141, 2140, 2139, 2138, 2137, 2136, 2135, 2134, 2133, 2132, 2131, 2130, 2129, 2128, 2127, 2126, 2125, 2124, 2123, 2122, 2121, 2120, 2119, 2118, 2117, 2116, 2115, 2114, 2113, 2112, 2111, 2110, 2109, 2108, 2107, 2106, 2105, 2104, 2103, 2102, 2101, 2100, 2099, 2098, 2097, 2096, 2095, 2094, 2093, 2092, 2091, 2090, 2089, 2088, 2087, 2086, 2085, 2084, 2083, 2082, 2081, 2080, 2079, 2078, 2077, 2076, 2075, 2074, 2073, 2072, 2071, 2070, 2069, 2068, 2067, 2066, 2065, 2064, 2063, 2062, 2061, 2060, 2059, 2058, 2057, 2056, 2055, 2054, 2053, 2052, 2051, 2050, 2049, 2048, 2047, 2046, 2045, 2044, 2043, 2042, 2041, 2040, 2039, 2038, 2037, 2036, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1999, 1998, 1997, 1996, 1995, 1994, 1993, 1992, 1991, 1990, 1989, 1988, 1987, 1986, 1985, 1984, 1983, 1982, 1981, 1980, 1979, 1978, 1977, 1976, 1975, 1974, 1973, 1972, 1971, 1970, 1969, 1968, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1959, 1958, 1957, 1956, 1955, 1954, 1953, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1943, 1942, 1941, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1922, 1921, 1920, 1919, 1918, 1917, 1916, 1915, 1914, 1913, 1912, 1911, 1910, 1909, 1908, 1907, 1906, 1905, 1904, 1903, 1902, 1901, 1900, 1899, 1898, 1897, 1896, 1895, 1894, 1893, 1892, 1891, 1890, 1889, 1888, 1887, 1886, 1885, 1884, 1883, 1882, 1881, 1880, 1879, 1878, 1877, 1876, 1875, 1874, 1873, 1872, 1871, 1870, 1869, 1868, 1867, 1866, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1857, 1856, 1855, 1854, 1853, 1852, 1851, 1850, 1849, 1848, 1847, 1846, 1845, 1844, 1843, 1842, 1841, 1840, 1839, 1838, 1837, 1836, 1835, 1834, 1833, 1832, 1831, 1830, 1829, 1828, 1827, 1826, 1825, 1824, 1823, 1822, 1821, 1820, 1819, 1818, 1817, 1816, 1815, 1814, 1813, 1812, 1811, 1810, 1809, 1808, 1807, 1806, 1805, 1804, 1803, 1802, 1801, 1800, 1799, 1798, 1797, 1796, 1795, 1794, 1793, 1792, 1791, 1790, 1789, 1788, 1787, 1786, 1785, 1784, 1783, 1782, 1781, 1780, 1779, 1778, 1777, 1776, 1775, 1774, 1773, 1772, 1771, 1770, 1769, 1768, 1767, 1766, 1765, 1764, 1763, 1762, 1761, 1760, 1759, 1758, 1757, 1756, 1755, 1754, 1753, 1752, 1751, 1750, 1749, 1748, 1747, 1746, 1745, 1744, 1743, 1742, 1741, 1740, 1739, 1738, 1737, 1736, 1735, 1734, 1733, 1732, 1731, 1730, 1729, 1728, 1727, 1726, 1725, 1724, 1723, 1722, 1721, 1720, 1719, 1718, 1717, 1716, 1715, 1714, 1713, 1712, 1711, 1710, 1709, 1708, 1707, 1706, 1705, 1704, 1703, 1702, 1701, 1700, 1699, 1698, 1697, 1696, 1695, 1694, 1693, 1692, 1691, 1690, 1689, 1688, 1687, 1686, 1685, 1684, 1683, 1682, 1681, 1680, 1679, 1678, 1677, 1676, 1675, 1674, 1673, 1672, 1671, 1670, 1669, 1668, 1667, 1666, 1665, 1664, 1663, 1662, 1661, 1660, 1659, 1658, 1657, 1656, 1655, 1654, 1653, 1652, 1651, 1650, 1649, 1648, 1647, 1646, 1645, 1644, 1643, 1642, 1641, 1640, 1639, 1638, 1637, 1636, 1635, 1634, 1633, 1632, 1631, 1630, 1629, 1628, 1627, 1626, 1625, 1624, 1623, 1622, 1621, 1620, 1619, 1618, 1617, 1616, 1615, 1614, 1613, 1612, 1611, 1610, 1609, 1608, 1607, 1606, 1605, 1604, 1603, 1602, 1601, 1600, 1599, 1598, 1597, 1596, 1595, 1594, 1593, 1592, 1591, 1590, 1589, 1588, 1587, 1586, 1585, 1584, 1583, 1582, 1581, 1580, 1579, 1578, 1577, 1576, 1575, 1574, 1573, 1572, 1571, 1570, 1569, 1568, 1567, 1566, 1565, 1564, 1563, 1562, 1561, 1560, 1559, 1558, 1557, 1556, 1555, 1554, 1553, 1552, 1551, 1550, 1549, 1548, 1547, 1546, 1545, 1544, 1543, 1542, 1541, 1540, 1539, 1538, 1537, 1536, 1535, 1534, 1533, 1532, 1531, 1530, 1529, 1528, 1527, 1526, 1525, 1524, 1523, 1522, 1521, 1520, 1519, 1518, 1517, 1516, 1515, 1514, 1513, 1512, 1511, 1510, 1509, 1508, 1507, 1506, 1505, 1504, 1503, 1502, 1501, 1500, 1499, 1498, 1497, 1496, 1495, 1494, 1493, 1492, 1491, 1490, 1489, 1488, 1487, 1486, 1485, 1484, 1483, 1482, 1481, 1480, 1479, 1478, 1477, 1476, 1475, 1474, 1473, 1472, 1471, 1470, 1469, 1468, 1467, 1466, 1465, 1464, 1463, 1462, 1461, 1460, 1459, 1458, 1457, 1456, 1455, 1454, 1453, 1452, 1451, 1450, 1449, 1448, 1447, 1446, 1445, 1444, 1443, 1442, 1441, 1440, 1439, 1438, 1437, 1436, 1435, 1434, 1433, 1432, 1431, 1430, 1429, 1428, 1427, 1426, 1425, 1424, 1423, 1422, 1421, 1420, 1419, 1418, 1417, 1416, 1415, 1414, 1413, 1412, 1411, 1410, 1409, 1408, 1407, 1406, 1405, 1404, 1403, 1402, 1401, 1400, 1399, 1398, 1397, 1396, 1395, 1394, 1393, 1392, 1391, 1390, 1389, 1388, 1387, 1386, 1385, 1384, 1383, 1382, 1381, 1380, 1379, 1378, 1377, 1376, 1375, 1374, 1373, 1372, 1371, 1370, 1369, 1368, 1367, 1366, 1365, 1364, 1363, 1362, 1361, 1360, 1359, 1358, 1357, 1356, 1355, 1354, 1353, 1352, 1351, 1350, 1349, 1348, 1347, 1346, 1345, 1344, 1343, 1342, 1341, 1340, 1339, 1338, 1337, 1336, 1335, 1334, 1333, 1332, 1331, 1330, 1329, 1328, 1327, 1326, 1325, 1324, 1323, 1322, 1321, 1320, 1319, 1318, 1317, 1316, 1315, 1314, 1313, 1312, 1311, 1310, 1309, 1308, 1307, 1306, 1305, 1304, 1303, 1302, 1301, 1300, 1299, 1298, 1297, 1296, 1295, 1294, 1293, 1292, 1291, 1290, 1289, 1288, 1287, 1286, 1285, 1284, 1283, 1282, 1281, 1280, 1279, 1278, 1277, 1276, 1275, 1274, 1273, 1272, 1271, 1270, 1269, 1268, 1267, 1266, 1265, 1264, 1263, 1262, 1261, 1260, 1259, 1258, 1257, 1256, 1255, 1254, 1253, 1252, 1251, 1250, 1249, 1248, 1247, 1246, 1245, 1244, 1243, 1242, 1241,

MATCHLINE PENNSYLVANIA AVE. STA. 31+20
SEE SHEET EC-6

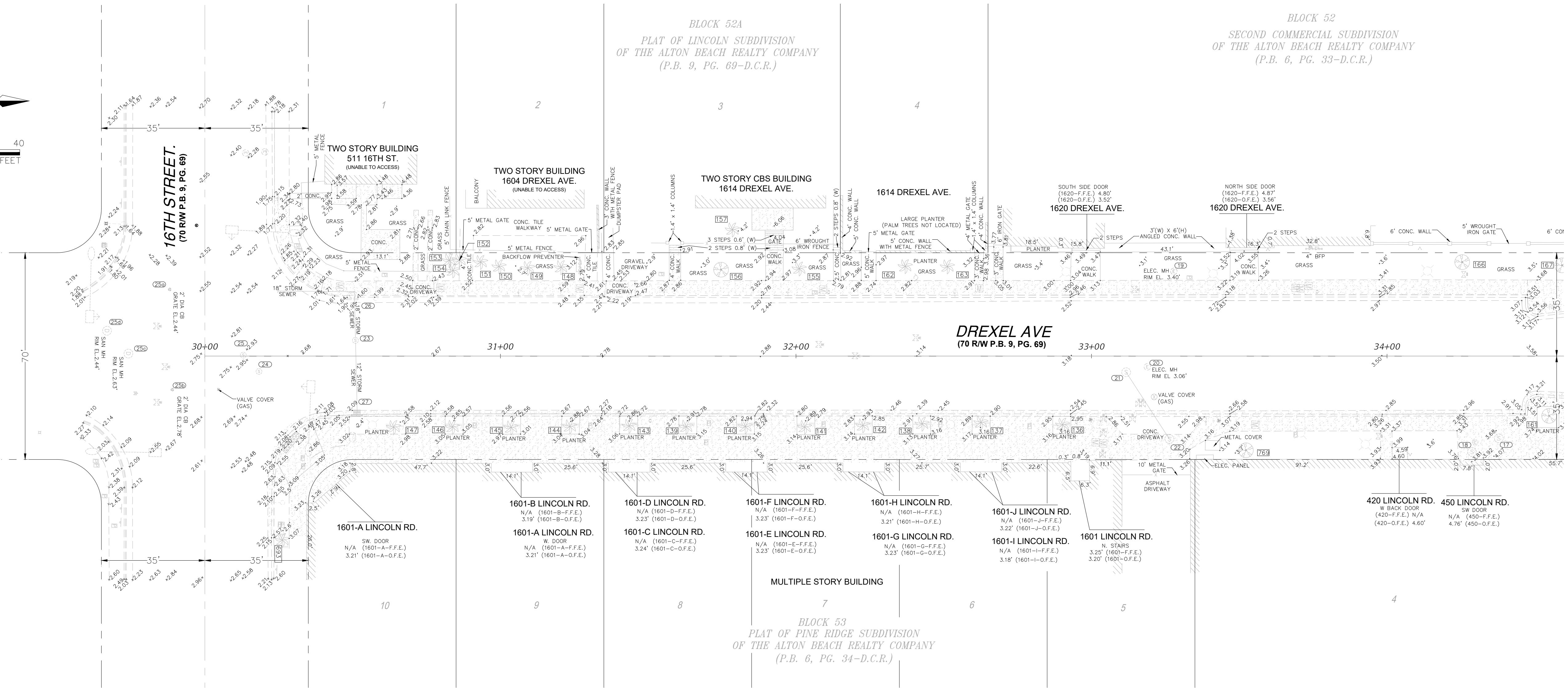
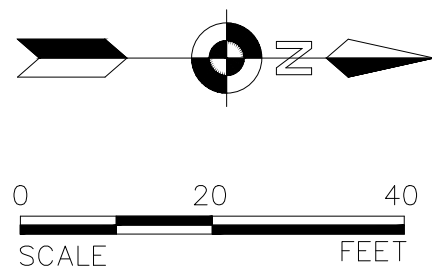


STRUCTURE NUMBER	TYPE OF STRUCTURE	RIM EL. (feet)	NAVD88 BOTTOM (feet)	NAVD88 INV. EL. (feet)	DIRECTION	SIZE (inches)	MATERIAL	COMMENTS
56	CB	2.92	-3.10	-1.09	NORTH	12	METAL	FULL OF WATER
				-1.07	SOUTH	12	METAL	
				0.32	WEST	8	METAL	
57	CB	2.92	-2.98	-1.03	EAST	18	CONC	FULL OF WATER
58	MHD	3.00	N/A	N/A	N/A	18	N/A	
59	MHD	2.83	0.89	1.46	NORTH	12	N/A	
				0.44	WEST	12	N/A	
60	MHD	3.21	3.12	3.12	EAST	2.5	N/A	
61	CB	2.55	0.01	0.74	WEST	12	N/A	
62	MHD	2.87	N/A	N/A	N/A	N/A	N/A	
64	MHD	2.92	-5.13	-1.01	NORTH	18	METAL	FULL OF WATER
				-0.92	SOUTH	12	N.V.V.	
				-1.49	WEST	10	N.V.V.	
65	MHD	3.02	-2.18	-1.53	EAST	18	N.V.V.	
66	MHD	3.42	-3.80	-2.13	WEST	12	N.V.V.	FULL OF WATER OVERSIZED STRUCTURE NO PIPES VISIBLE FROM SURFACE
				N.V.V.	N.V.V.	N.V.V.	N.V.V.	
67	CB	2.80	-3.65	-1.70	EAST	12	N.V.V.	
68	MHE	2.76	N/A	N/A	N/A	N/A	N.V.V.	
69	CB	2.63	-4.12	-0.93	SOUTH	14	N.V.V.	FULL OF WATER/TRASH
70	MHD	2.72	-3.73	-1.26	NORTH	14	N.V.V.	FULL OF WATER
63	MHS	3.26		0.80	EAST	N.V.V.	PVC	FULL OF WASTE
				0.92	NORTH	N.V.V.	N.V.V.	FULL OF WASTE
71	MHS	3.14		1.08	NORTH	6	N.V.V.	FULL OF WATER
72	MHD	3.04	1.09	N.V.V.	N.V.V.	N.V.V.	N.V.V.	WELL, TOP OF VERTICAL PIPE ELEV. = 2.34
72 N	MHS	3.26	-0.61	-0.61	EAST	8	N.V.V.	FULL OF DEBRIS
				-0.51	SOUTH	8	N.V.V.	
				-0.67	WEST	8	N.V.V.	

DRAINAGE AND SANITARY SEWER NOTES AND ABBREVIATIONS:
N.V.V. = NO VISUAL VERIFICATION POSSIBLE. UNABLE TO DETERMINE DRAINAGE INFORMATION IN PART OR IN FULL.

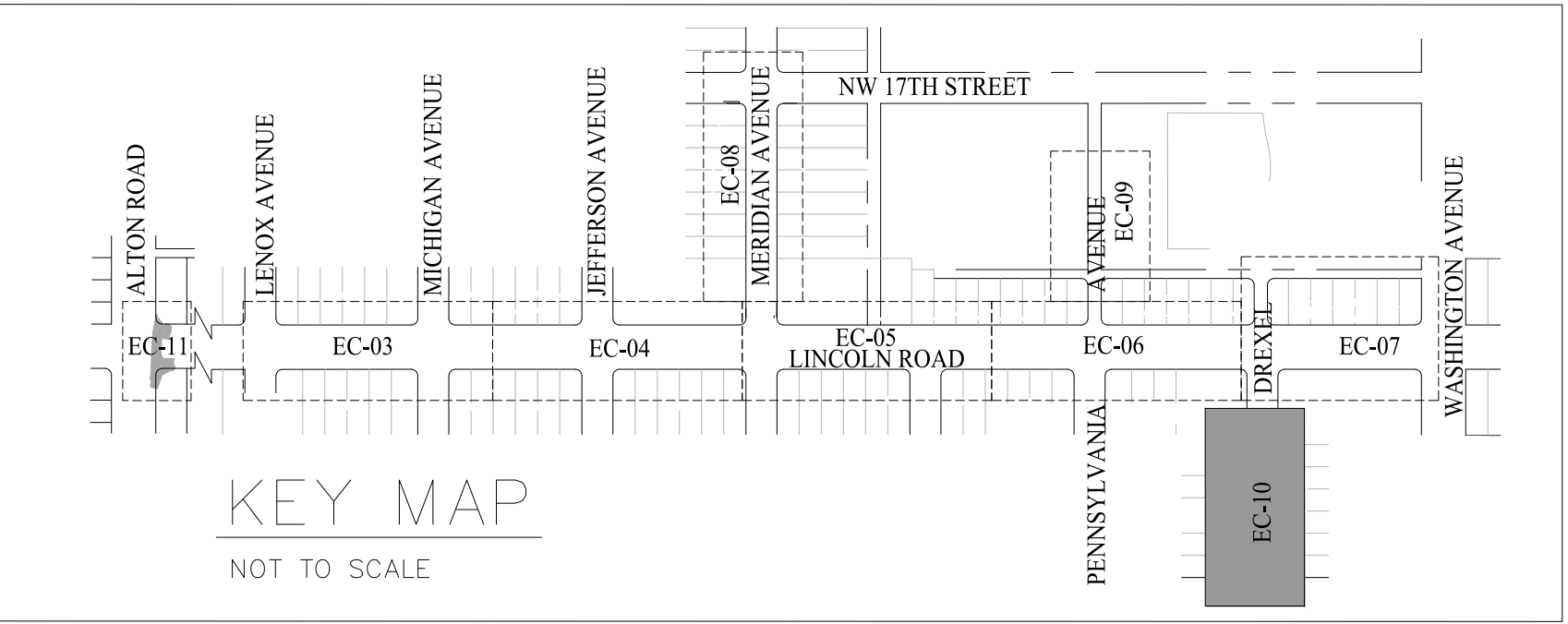


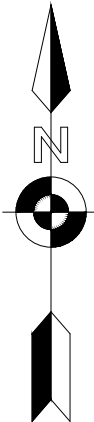
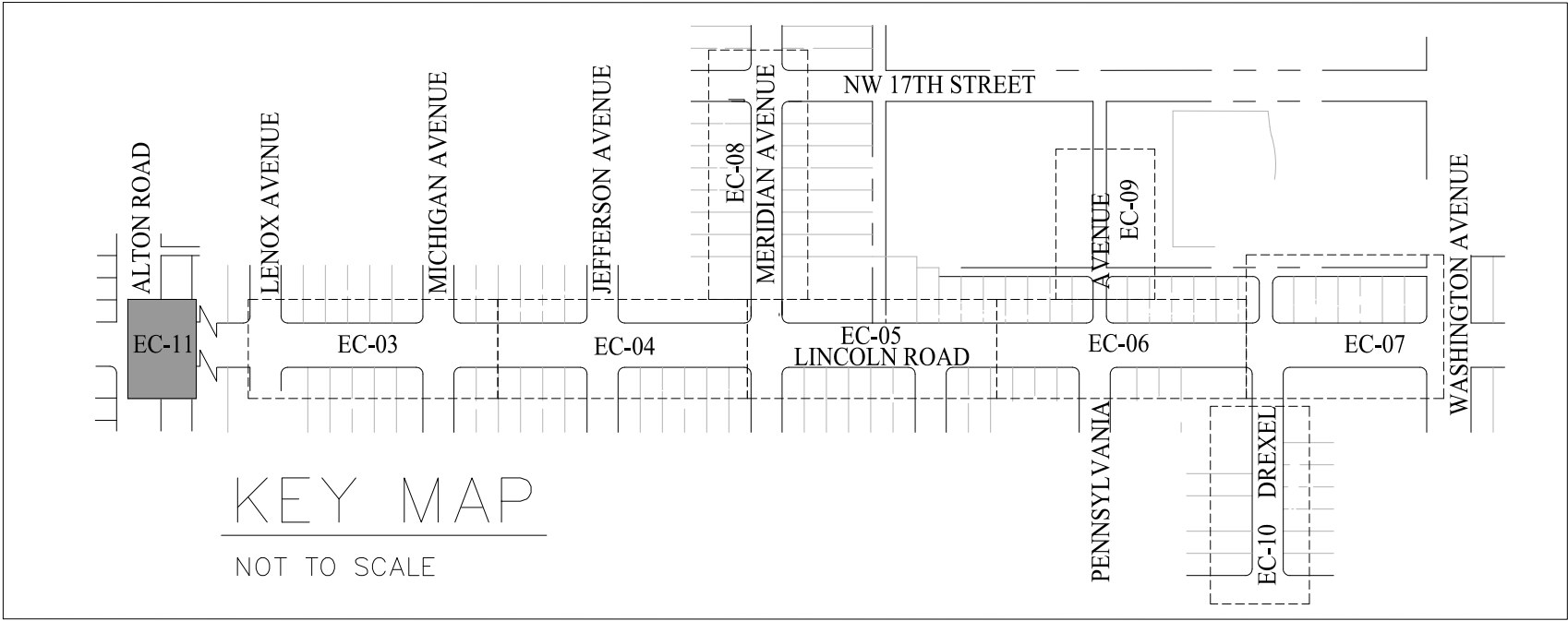
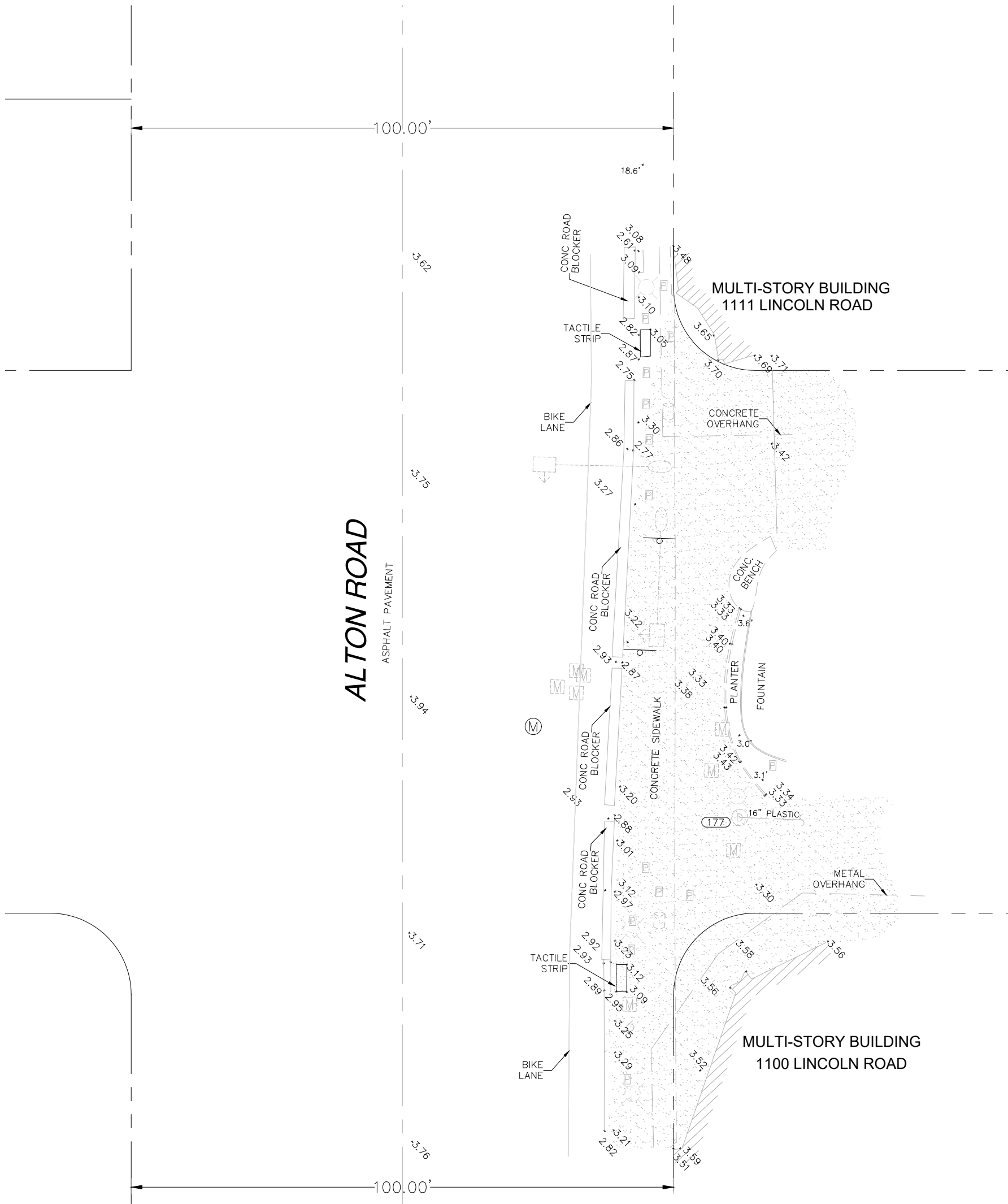
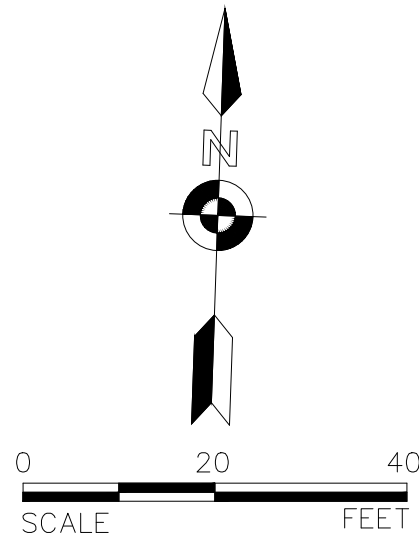
MIAMI BEACH PUBLIC WORKS DEPARTMENT 1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139	NEIGHBORHOOD:	NO. 9 CITY CENTER	BISCAYNE ENGINEERING COMPANY, INC. Consulting Engineers - Planners - Surveyors  MIAMI 529 WEST FLAGLER STREET, MIAMI, FL 33130 TEL (305) 324-7671 FAX (305) 324-0809 PALM BEACH 449 NW 35th STREET, BOCA RATON, FL 33431 TEL (561) 608-2329 WEB: WWW.BISCAYNEENGINEERING.COM	CITY MANAGER:	ENGINEER OF RECORD: _____	ACCEPTED BY: _____ CITY SURVEYOR MANAGER	5 4 3 2 1						File Name: SM-2022G - LINCOLN ROAD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	TITLE:	LINCOLN RD. DISTRICT IMPROVEMENTS		DIRECTOR:	DESIGN ENGINEER: _____							Survey Reference:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
				CITY ENGINEER:	DRAWN BY: W.R./P.M.		CHECKER: L.A.G./A.J.R.					Field Book: 2888, 2889, 2890, 2891, 2892, 3102/13,14,16, 3108/29	Page: _____	Work Order: 03-87520																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
					SCALE: 1" = 20'																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																



STRUCTURE NUMBER	TYPE OF STRUCTURE	RIM EL. (feet)	NAVD88 BOTTOM (feet)	NAVD88 INV. EL. (feet)	DIRECTION	SIZE (inches)	MATERIAL	COMMENTS
(*) 18	MHD	3.65	-1.53	N.V.V.	N.V.V.	N.V.V.	N.V.V.	CLOGGED,CAN'T FIND
PIPES								
26	CB	2.48	-1.24	-0.56	EAST	18	METAL	
27	CB	2.03	-4.22	-0.03	SOUTH	18	PVC	
30	MHD	3.05	-1.80	-1.95	WEST	12	N.V.V.	
				-0.03	NORTH	24	N.V.V.	
17	MHS	3.82	-0.27	-1.50	SOUTH	N.V.V.	N.V.V.	
				0.06	EAST	6	N.V.V.	
21	MHS	3.07	-0.78	-0.36	SOUTH	12	METAL	
				-0.81	SOUTH	12	METAL	
22	MHS	3.13	-0.64	-0.75	NE	12	CONC	
				-0.64	NORTH	8	METAL	
				-0.48	EAST	6	METAL	
				-0.68	SW	8	CONC	
23	MHS	2.63	-1.53	-0.64	EAST	N.V.V.	N.V.V.	STRUCTURE IS MADE OF
				-0.61	WEST	18	N.V.V.	BRICKS.
				1.34	NORTH-SOUTH	18	METAL	ELEV. TO TOP OF PIPE
24	MHS	2.82	-2.52	-2.30	NORTH	N.V.V.	N.V.V.	
				-2.15	SW	N.V.V.	N.V.V.	
25	MHS	2.97	-1.99	-2.33	EAST	N.V.V.	N.V.V.	
				-2.29	SOUTH	N.V.V.	N.V.V.	
29	MHS	3.79	-2.66	-2.50	WEST	24	PVC	
				-2.70	NE	24	PVC	

DRAINAGE AND SANITARY SEWER NOTES AND ABBREVIATIONS:
N.V.V. = NO VISUAL VERIFICATION POSSIBLE. UNABLE TO DETERMINE DRAINAGE INFORMATION IN PART OR IN FULL.





STRUCTURE NUMBER	TYPE OF STRUCTURE	RIM EL. (feet)	NAVD88 BOTTOM (feet)	NAVD88 INV. EL. (feet)	DIRECTION	SIZE (inches)	MATERIAL	COMMENTS
177	MHD	3.25	4.80	-1.55	EAST	16	PLASTIC	
			8.25	-5.00	BOTTOM			

DRAINAGE AND SANITARY SEWER NOTES AND ABBREVIATIONS:
N.V.V. = NO VISUAL VERIFICATION POSSIBLE. UNABLE TO DETERMINE DRAINAGE INFORMATION IN PART OR IN FULL.



NEIGHBORHOOD: NO. 9 CITY CENTER
TITLE: LINCOLN RD. DISTRICT IMPROVEMENTS

BISCAYNE ENGINEERING COMPANY, INC.
Consulting Engineers - Planners - Surveyors
MIAMI
520 WEST FLAGLER STREET, MIAMI, FL 33130
TEL (305) 324-7671
FAX (305) 324-0909
PALM BEACH
449 NW 35th STREET, BOCA RATON, FL 33431
TEL (561) 608-2320
WEB: WWW.BISCAYNEENGINEERING.COM

CITY MANAGER:
DIRECTOR:
CITY ENGINEER:

ENGINEER OF RECORD: _____
DESIGN ENGINEER: _____
DRAWN BY: W.R./P.M.
CHECKER: L.A.G./A.J.R.
SCALE: 1" = 20'

ACCEPTED BY: _____
CITY SURVEYOR MANAGER

NO.	DATE	REVISION	APP'D. BY
5			
4			
3			
2			
1			

File Name: SM-2022G - LINCOLN ROAD
Survey Reference: 2868, 2889, 2891, 2892, 3102/13,14,16, 3108/29
Field Book: 2868, 2889, 2891, 2892, 3102/13,14,16, 3108/29
Page: _____ Work Order: _03-87520_
Date: 12/19/22 Sheet: 13 of 13 Drawing: EC-11