Kinderkamack Road Improvements

Borough of Emerson

Bergen County, New Jersey

[Bergen County Project CXX-XX]

BERGEN COUNTY EXECUTIVE

KATHLEEN A. DONOVAN

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BERGEN COUNTY ENGINEER

JOSEPH A. FEMIA, P.E.

N.T.S.
[MAP COURTESY OF GOOGLE MAPS, 2012]

PUBLIC UTILITIES

GAS:	PUBLIC SERVICE ELECTRIC AND GAS (GAS)
ELECTRIC:	PUBLIC SERVICE ELECTRIC AND GAS (ELECTRIC)
CABLE:	CABLEVISION OF NEW JERSEY
TELEPHONE:	VERIZON COMMUNICATIONS
WATER:	UNITED WATER
SAN. SEWER:	BERGEN COUNTY UTILITY AUTHORITY
STORM SEWER:	BOROUGH OF EMERSON

FUNDING SOURCE

NEW JERSEY DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
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20-XX	CURB RAMP GRADING DETAILS
XX-XX	MAINTENANCE AND PROTECTION OF TRAFFIC PLANS
XX-XX	CONSTRUCTION DETAILS

Plans prepared by:

BOSWELL McCLAVE ENGINEERING
330 PHILLIPS AVENUE
SOUTH HACKENSACK, NEW JERSEY 07606
Tel (201) 641-0770 . Fax (201) 641-1831
NJ Certificate of Authorization No. 24GA27958000

STEPHEN T. BOSWELL
PROFESSIONAL ENGINEER N.J. LIC. 34680

CHRISTOPHER J. NASH
PROFESSIONAL ENGINEER N.J. LIC. 31605

JOB NO. EM-151

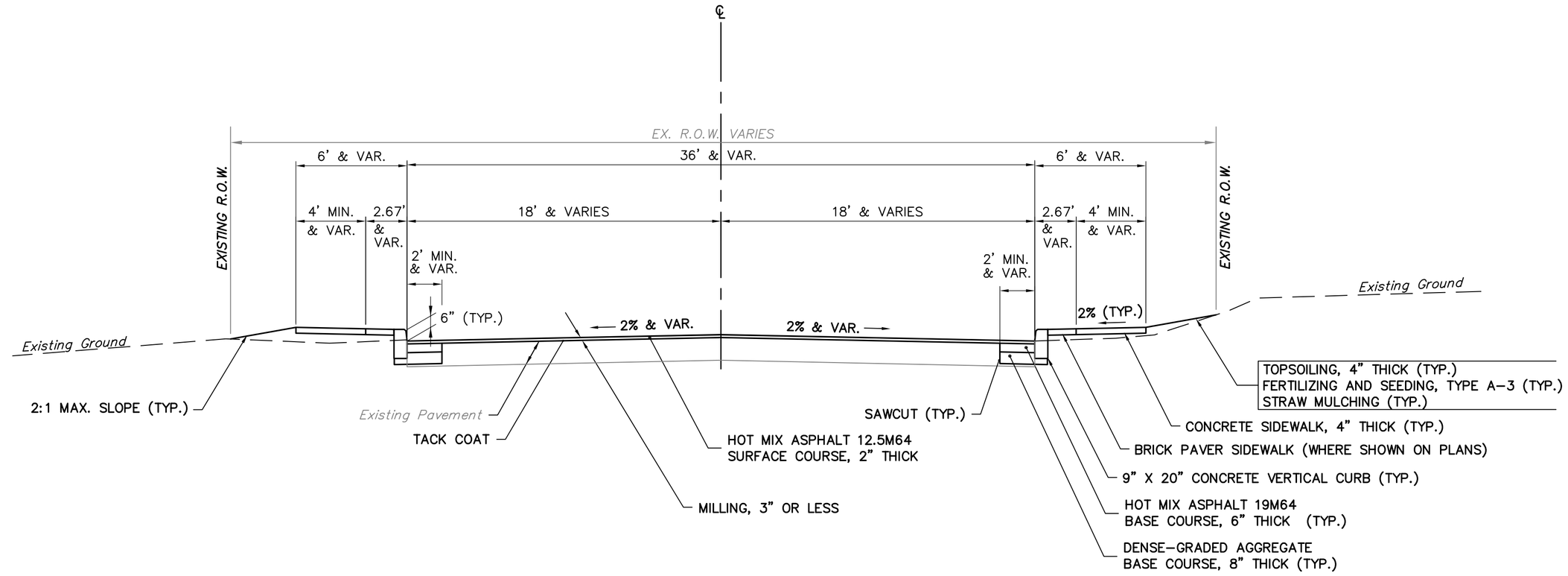
February 15, 2012

Note: This project is governed by 2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction and Standard Roadway Construction/Traffic Control/Bridge Construction Details, as amended herein.

ENGINEERING DIVISION, D.P.W.
BERGEN COUNTY, NEW JERSEY

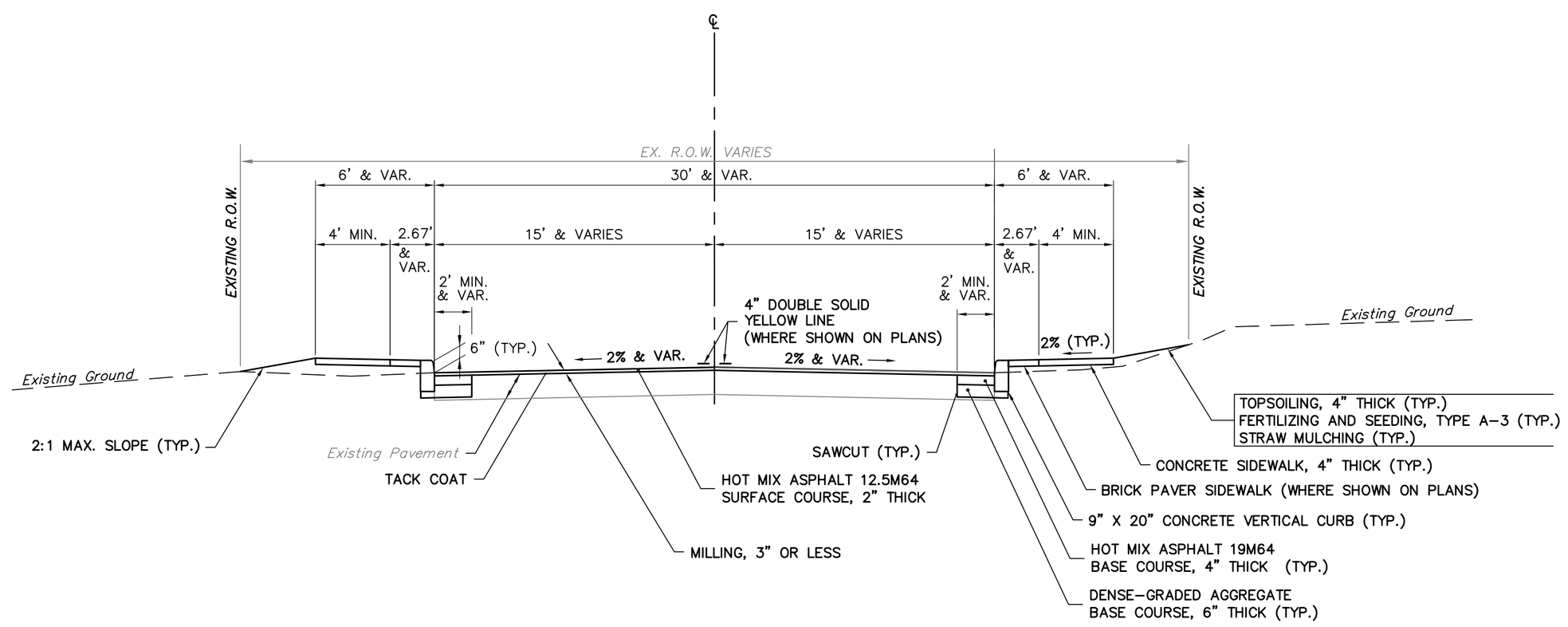
JOSEPH A. FEMIA, P.E.
COUNTY ENGINEER N.J. LIC. GE04097000

SIGNED _____ DATE _____



TYPICAL SECTION (KINDERKAMACK ROAD)

N.T.S.



TYPICAL SECTION (LOCAL STREETS)

N.T.S.

NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 1:52 PM

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STEPHEN T. BOSWELL
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CHRISTOPHER J. NASH
PROFESSIONAL ENGINEER N.J. LIC. 31605

KINDERKAMACK ROAD IMPROVEMENTS

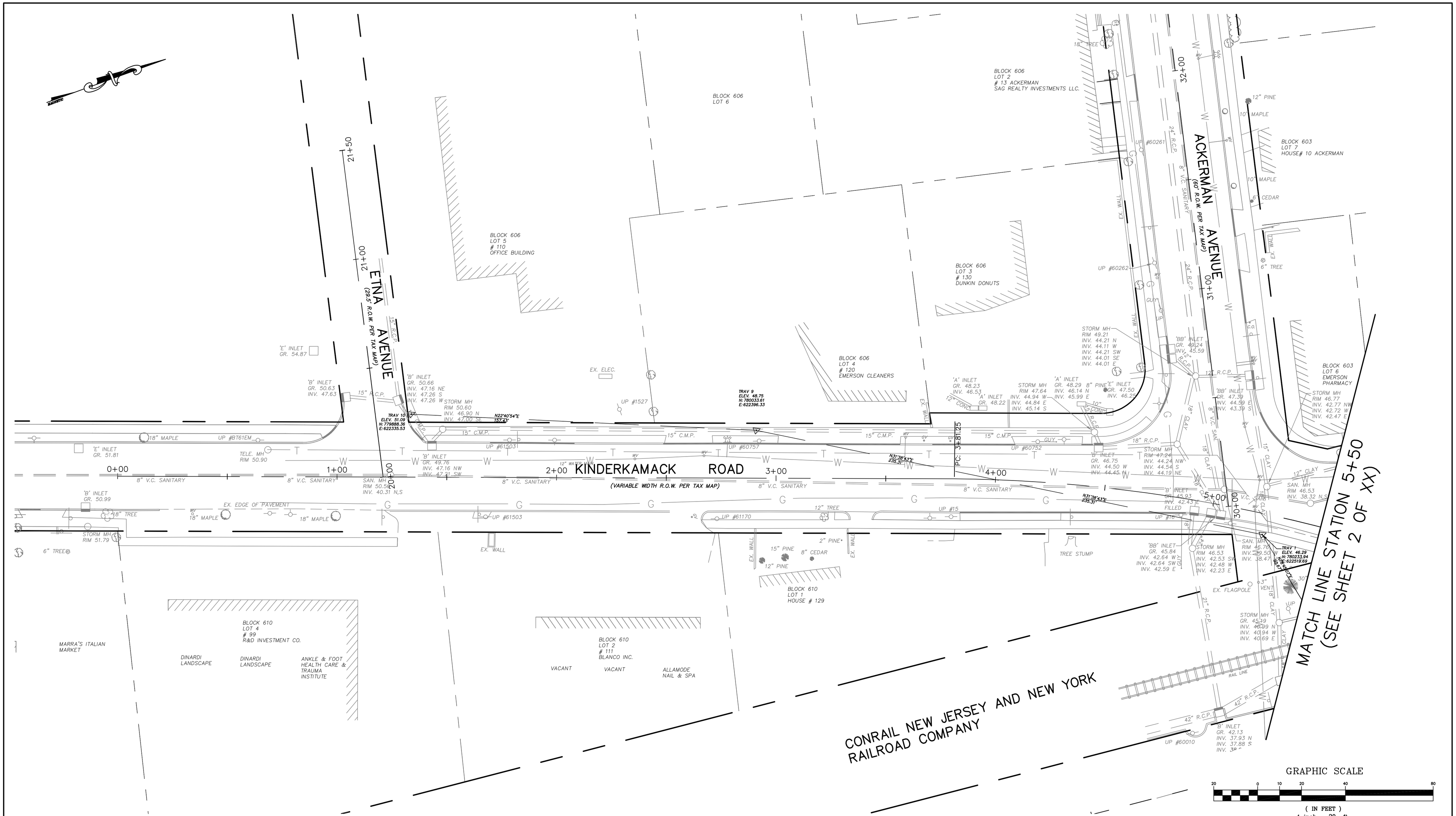
TYPICAL SECTIONS

BOROUGH OF EMERSON

BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: ####	SCALE:	JOB NO.	DATE:
DRAWN BY: JJM	CHECKED BY: ND	N.T.S.	EM-151	2/15/12

CADD FILE: EM-151-TYP SHEET 4 OF XX



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PLOT BY: jmcginnis PLOT DATE: 3/14/2012 1:52 PM

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KINDERKAMACK ROAD IMPROVEMENTS

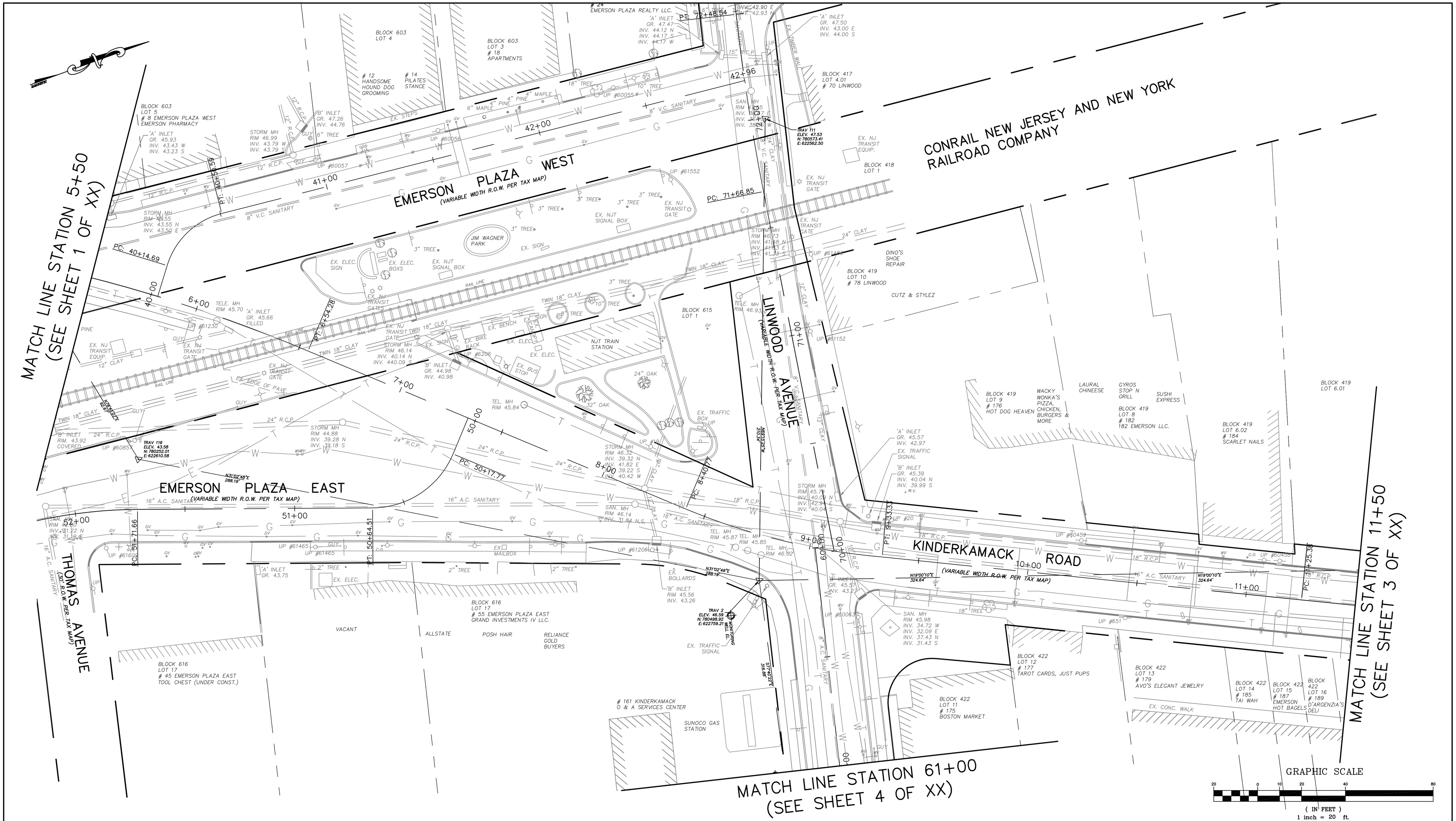
EXISTING CONDITIONS –1–

BOROUGH OF EMERSON

BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: N/A	SCALE:	JOB NO.	DATE:
DRAWN BY: JJM	CHECKED BY: ND	1"=20'	EM–151	2/15/12

CADD FILE: EM–151–EC SHEET 5 OF XX



NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 1:53 PM

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KINDERKAMACK ROAD IMPROVEMENTS

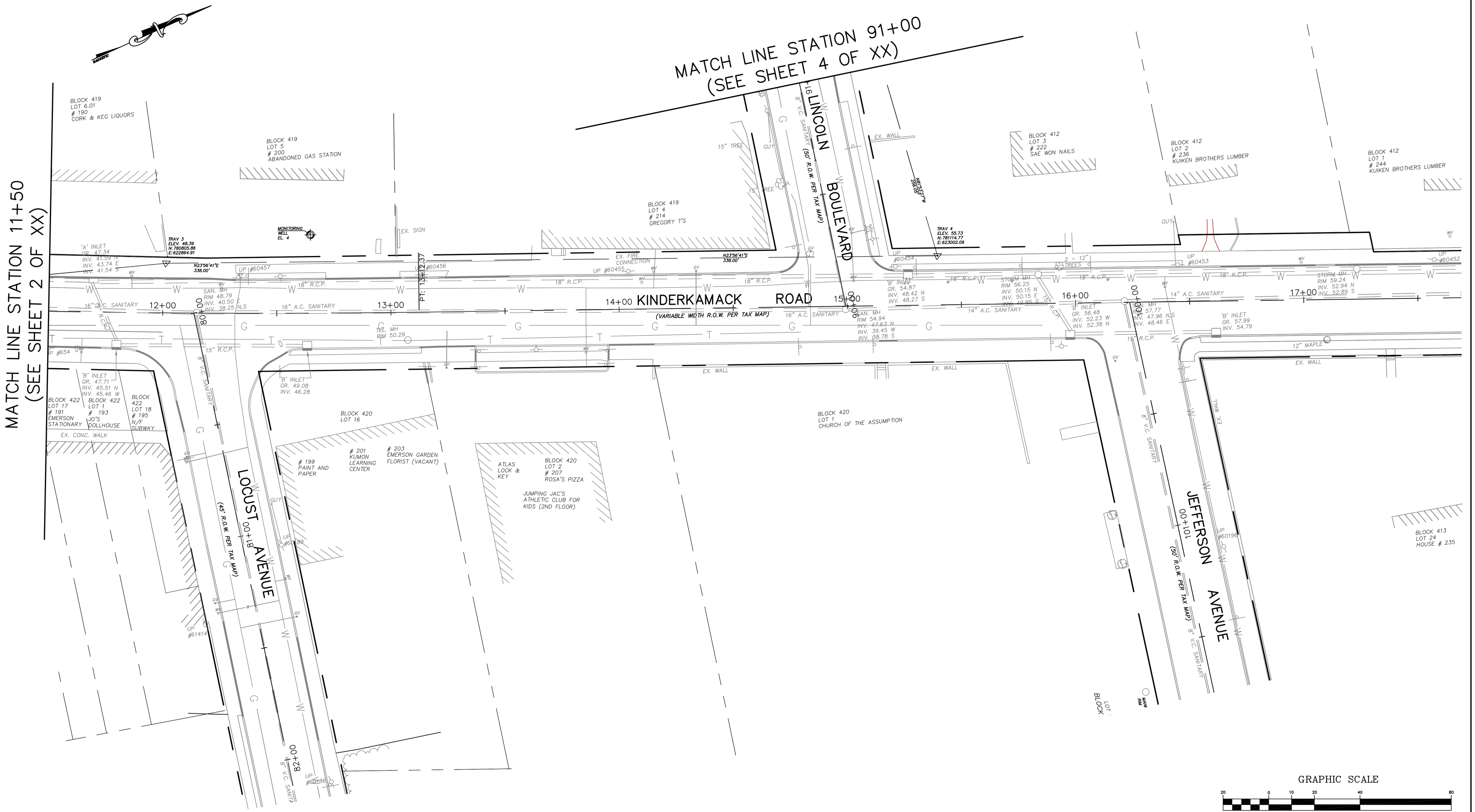
EXISTING CONDITIONS –2–

BOROUGH OF EMERSON

BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: N/A	SCALE:	JOB NO.	DATE:
DRAWN BY: JJM	CHECKED BY: ND	1"=20'	EM–151	2/15/12

CADD FILE: EM–151–EC SHEET 6 OF XX



NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 1:53 PM

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KINDERKAMACK ROAD IMPROVEMENTS

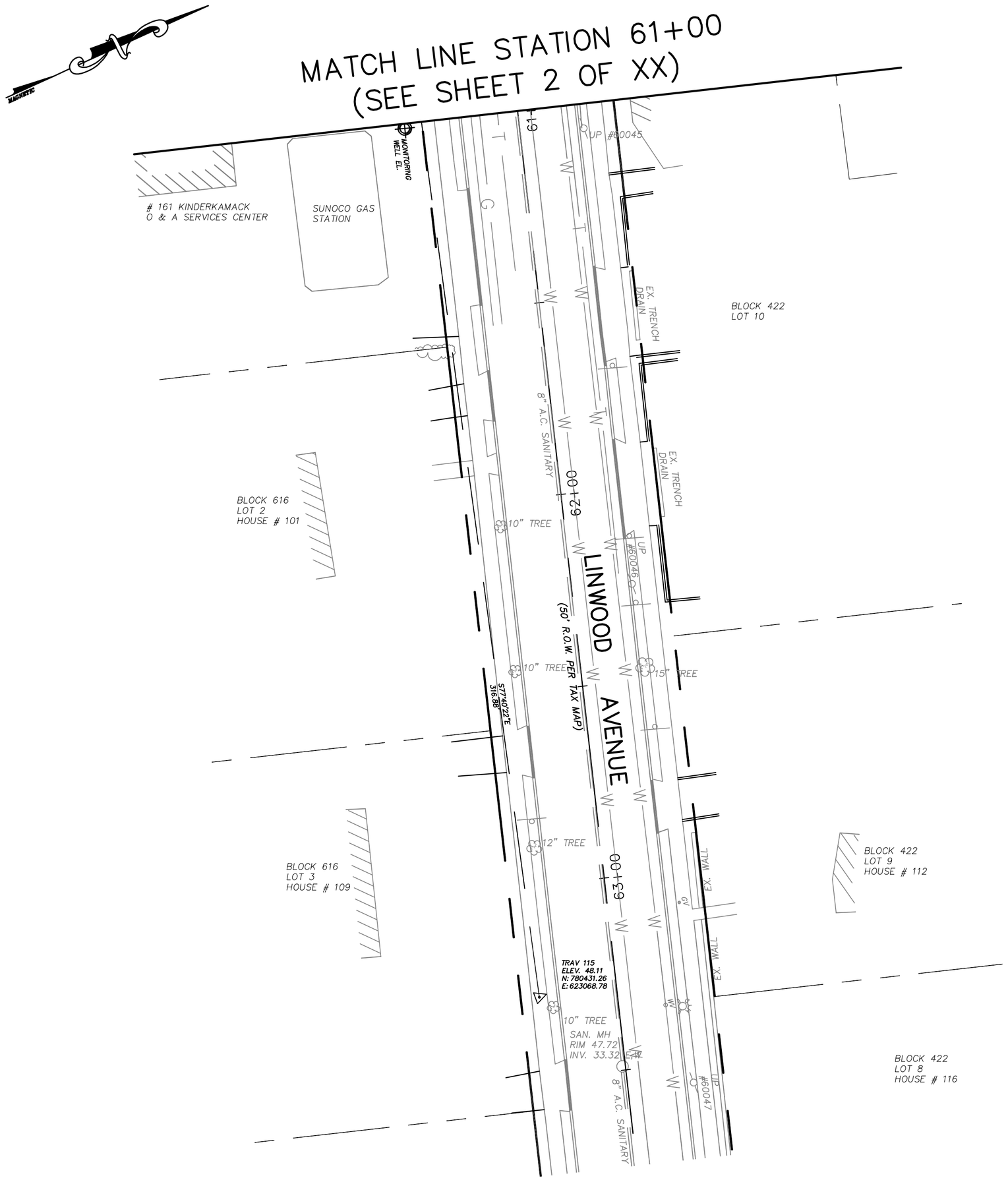
EXISTING CONDITIONS –3–

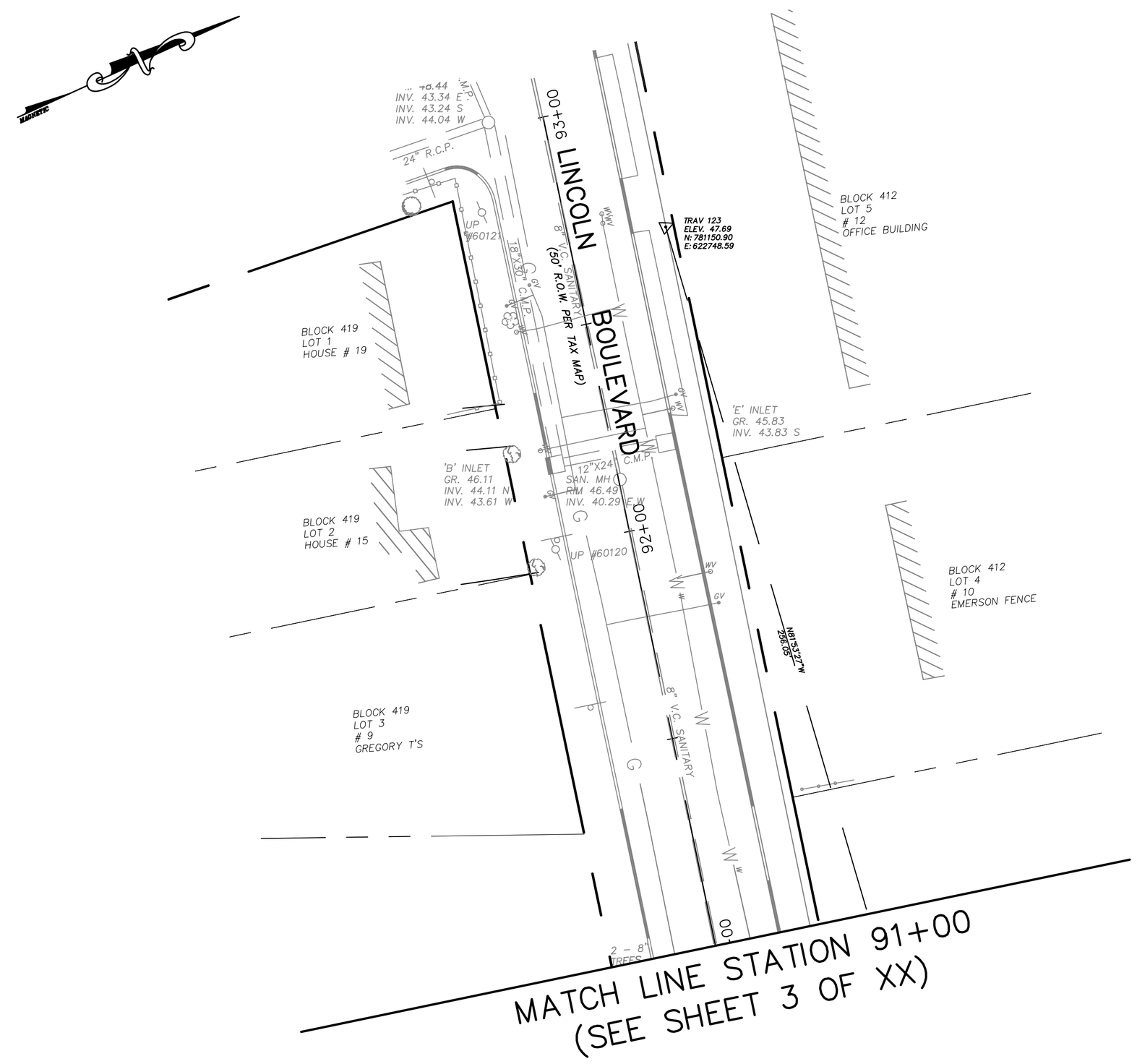
BOROUGH OF EMERSON

BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: N/A	SCALE:	JOB NO.	DATE:
DRAWN BY: JJM	CHECKED BY: ND	1"=20'	EM–151	2/15/12

CADD FILE: EM–151–EC SHEET 7 OF XX





GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 1:54 PM

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KINDERKAMACK ROAD IMPROVEMENTS

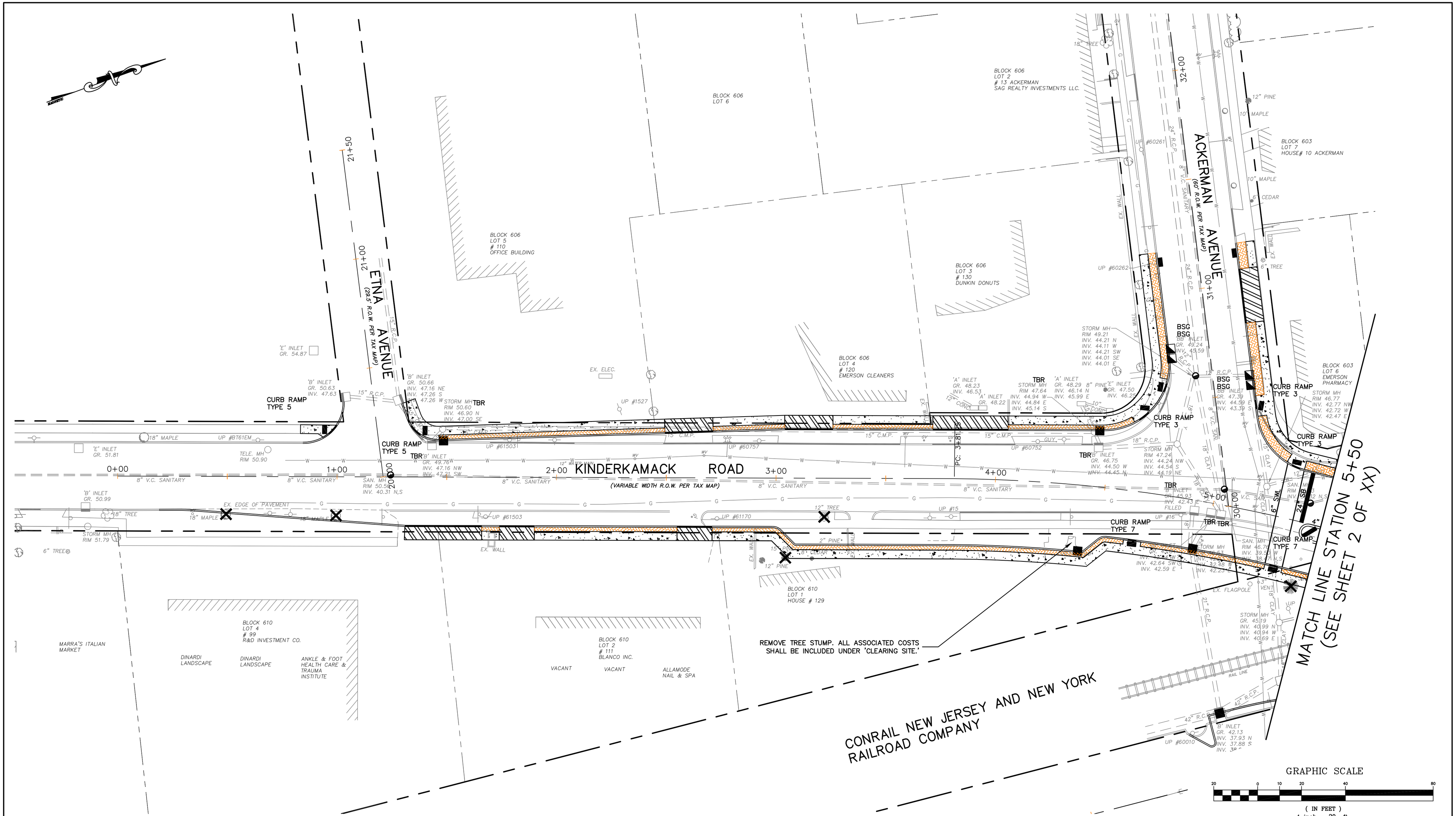
EXISTING CONDITIONS –4–

BOROUGH OF EMERSON

BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: N/A	SCALE:	JOB NO.	DATE:
DRAWN BY: JJM	CHECKED BY: ND	1"=20'	EM–151	2/15/12

CADD FILE: EM–151–EC SHEET 8 OF XX



NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 1:56 PM

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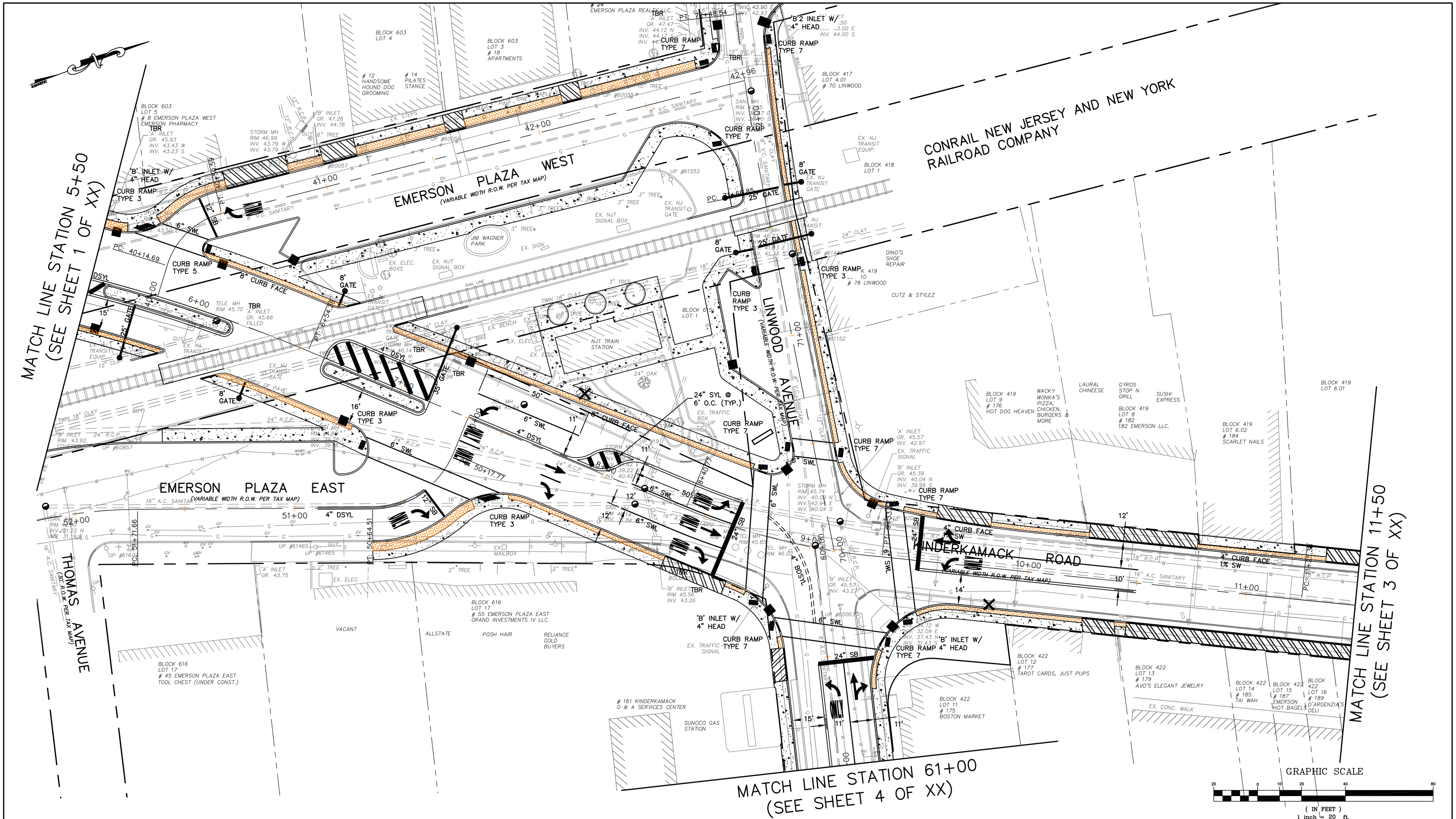
PROFESSIONAL ENGINEER N.J. LIC. 31605

KINDERKAMACK ROAD IMPROVEMENTS

CONSTRUCTION PLAN –1–
BOROUGH OF EMERSON
BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: ####	SCALE: 1"=20'	JOB NO. EM–151	DATE: 2/15/12
DRAWN BY: JJM	CHECKED BY: ND			

CADD FILE: EM–151–CP SHEET 9 OF XX



NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 1:57 PM

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KINDERKAMACK ROAD IMPROVEMENTS

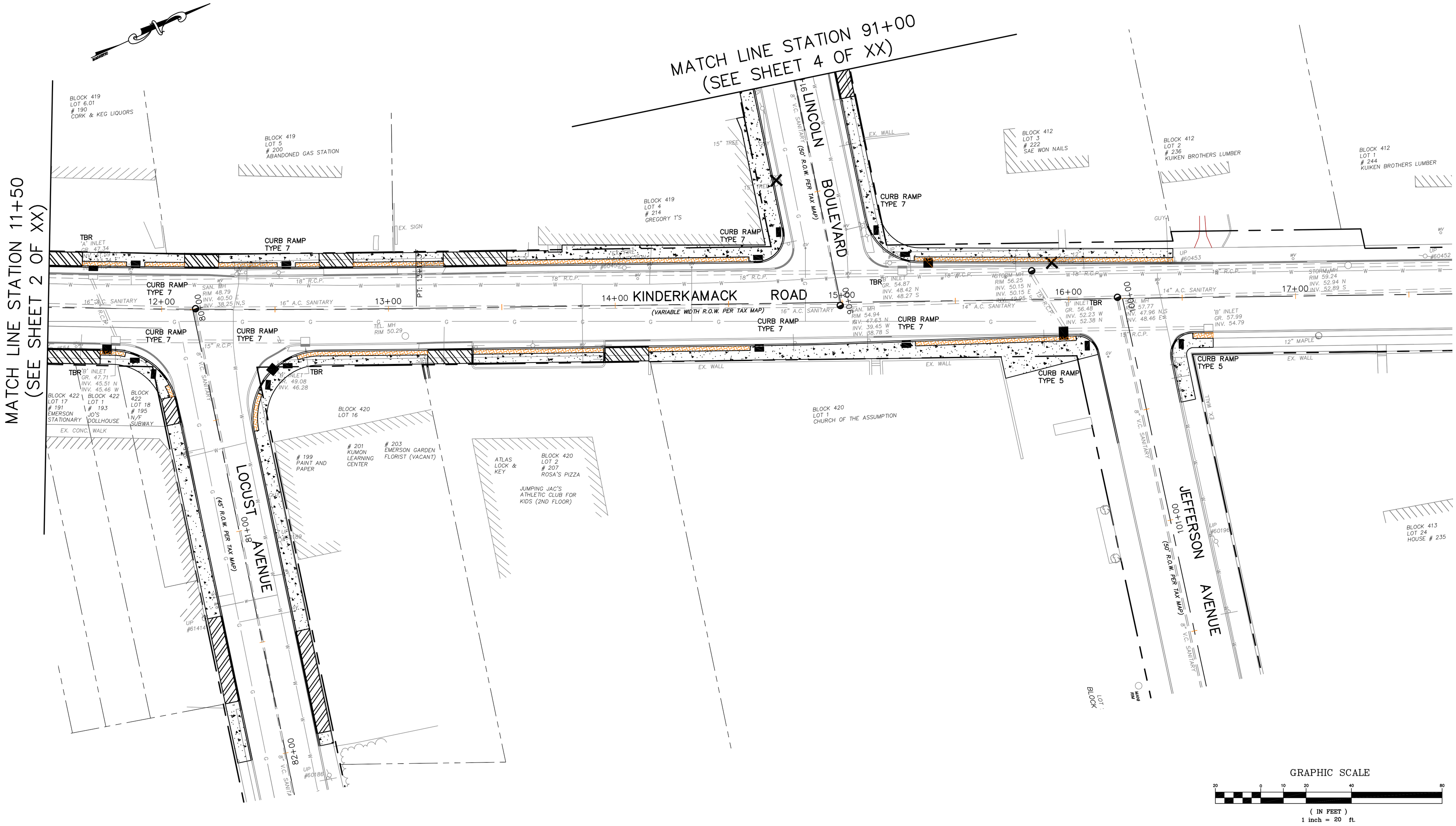
CONSTRUCTION PLAN –2–

BOROUGH OF EMERSON

BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: ####	SCALE:	JOB NO.	DATE:
DRAWN BY: JJM	CHECKED BY: ND	1"=20'	EM–151	2/15/12

CADD FILE: EM–151–CP SHEET 10 OF XX



NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 1:57 PM

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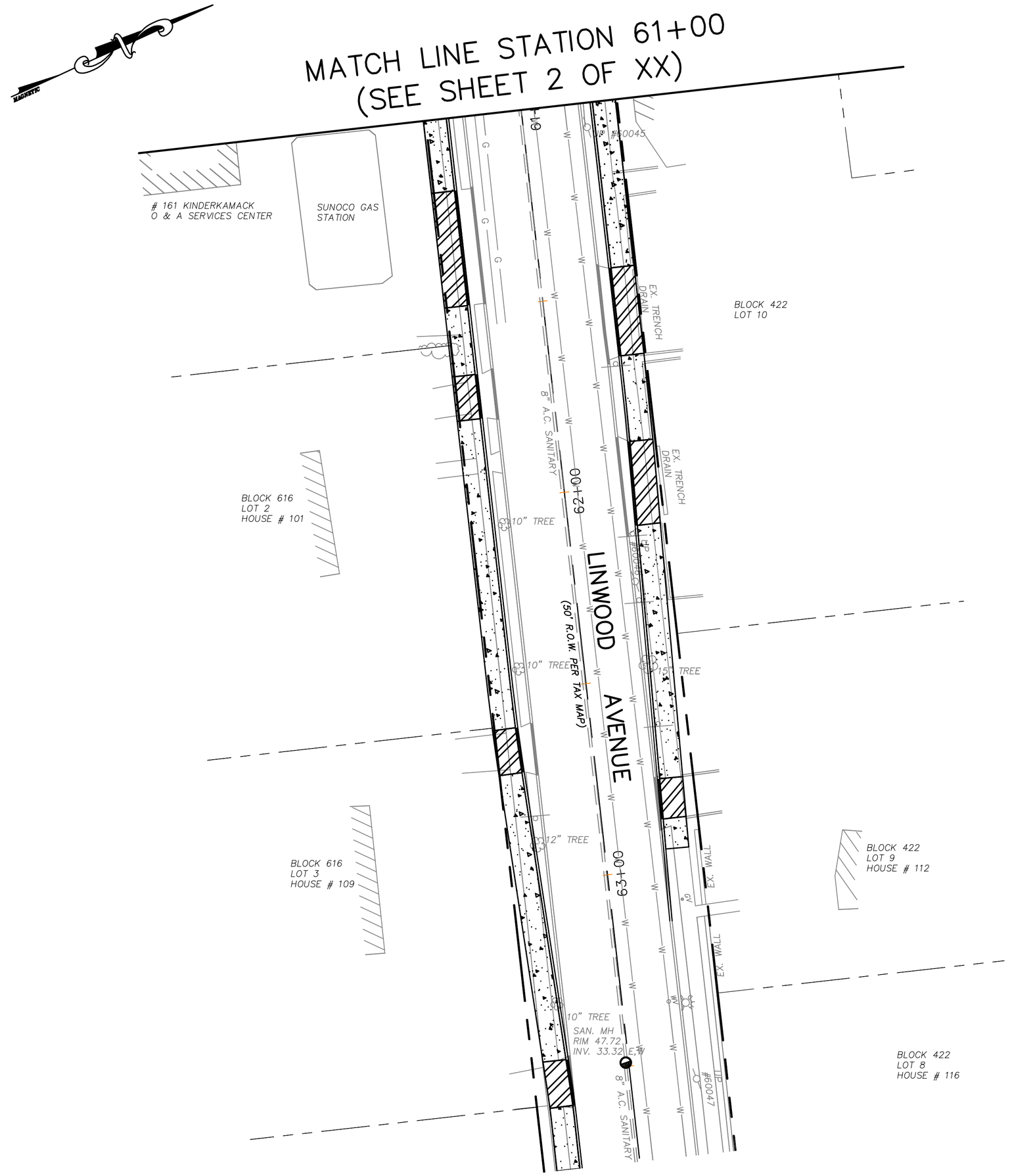
PROFESSIONAL ENGINEER N.J. LIC. 31605

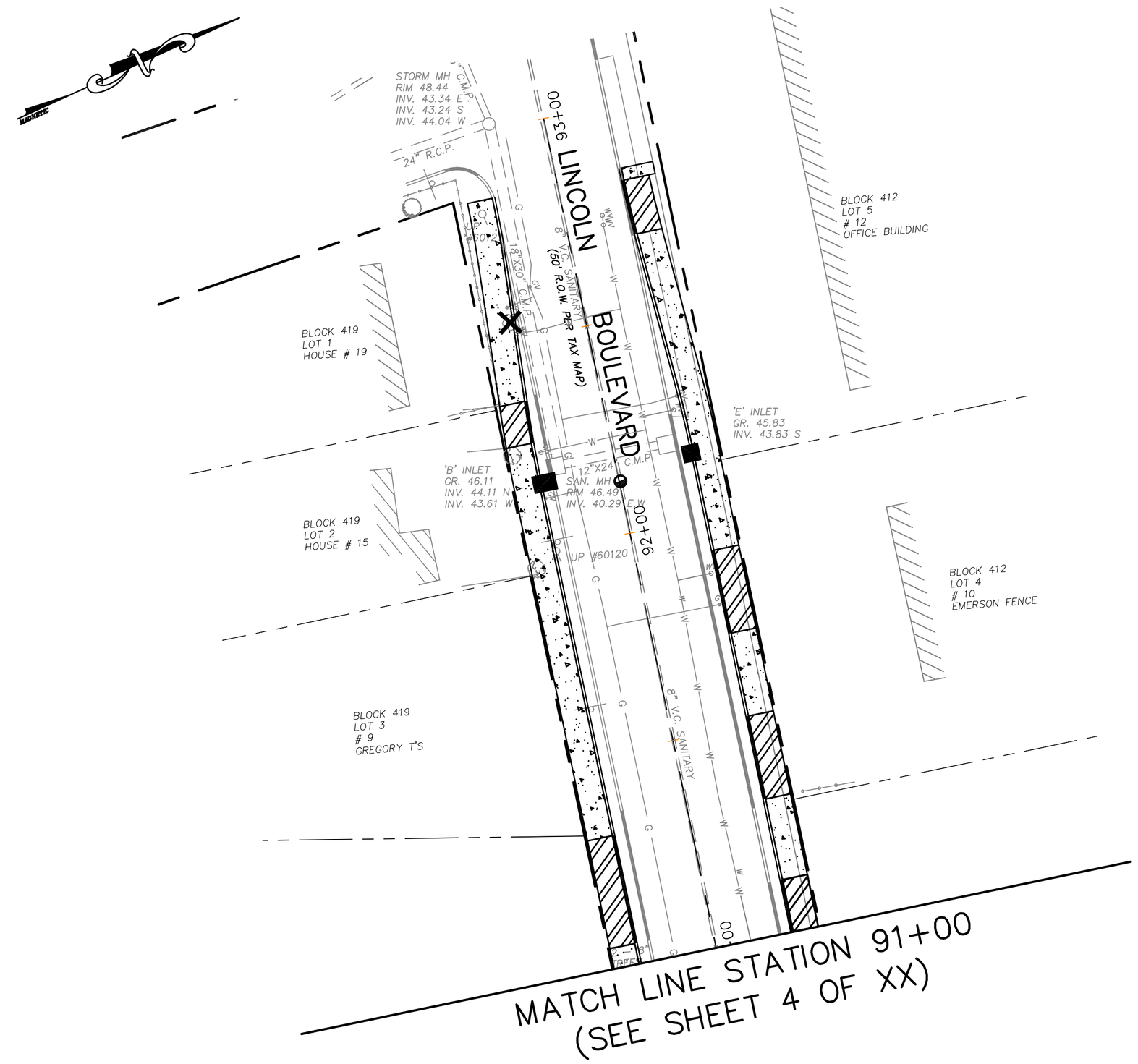
KINDERKAMACK ROAD IMPROVEMENTS

CONSTRUCTION PLAN –3–
BOROUGH OF EMERSON
BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: ####	SCALE:	JOB NO.	DATE:
DRAWN BY: JJM	CHECKED BY: ND	1"=20'	EM–151	2/15/12

CADD FILE: EM–151–CP SHEET 11 OF XX





GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 1:58 PM

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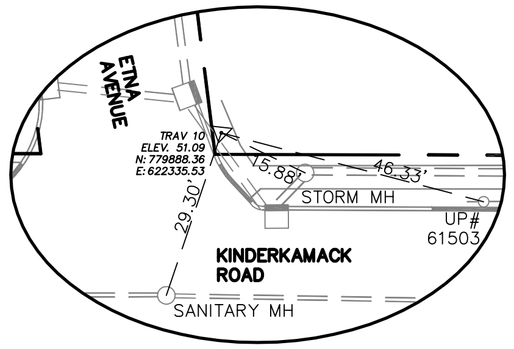
KINDERKAMACK ROAD IMPROVEMENTS

CONSTRUCTION PLAN –4–
BOROUGH OF EMERSON
BERGEN COUNTY NEW JERSEY

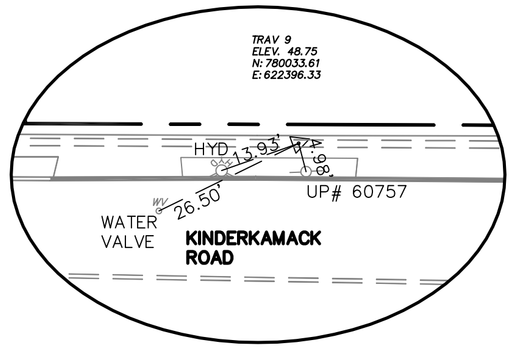
SURVEYED BY: AB	DESIGNED BY: ####	SCALE:	JOB NO.	DATE:
DRAWN BY: JJM	CHECKED BY: ND	1"=20'	EM–151	2/15/12

CADD FILE: EM–151–CP SHEET 12 OF XX

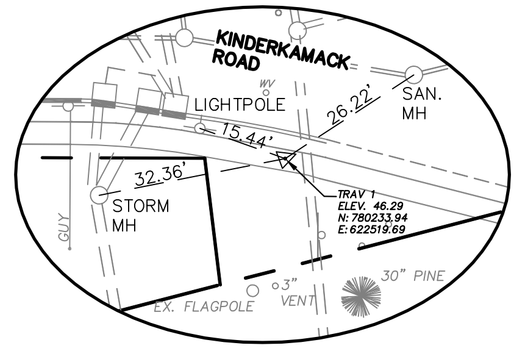
POINT TABLE		
POINT #	NORTHING	EASTING
1	622331.13	779837.47
2	622319.92	779861.60
3	622329.63	779885.81
4	622351.33	779896.16
5	622400.52	780045.90
6	622450.69	780182.45
7	622430.05	780221.83
8	622382.67	780232.75
9	622390.75	780267.83
10	622467.86	780250.08
11	622499.63	780262.79
12	622337.02	779765.75
13	622382.16	779868.34
14	622439.85	780025.37
15	622442.60	780028.61
16	622450.99	780032.50
17	622475.94	780100.39
18	622498.86	780154.10
19	622495.89	780163.00
20	622496.16	780166.81
21	622589.21	780183.07
22	622601.15	780181.92
23	622602.36	780178.47
24	622594.42	780171.28



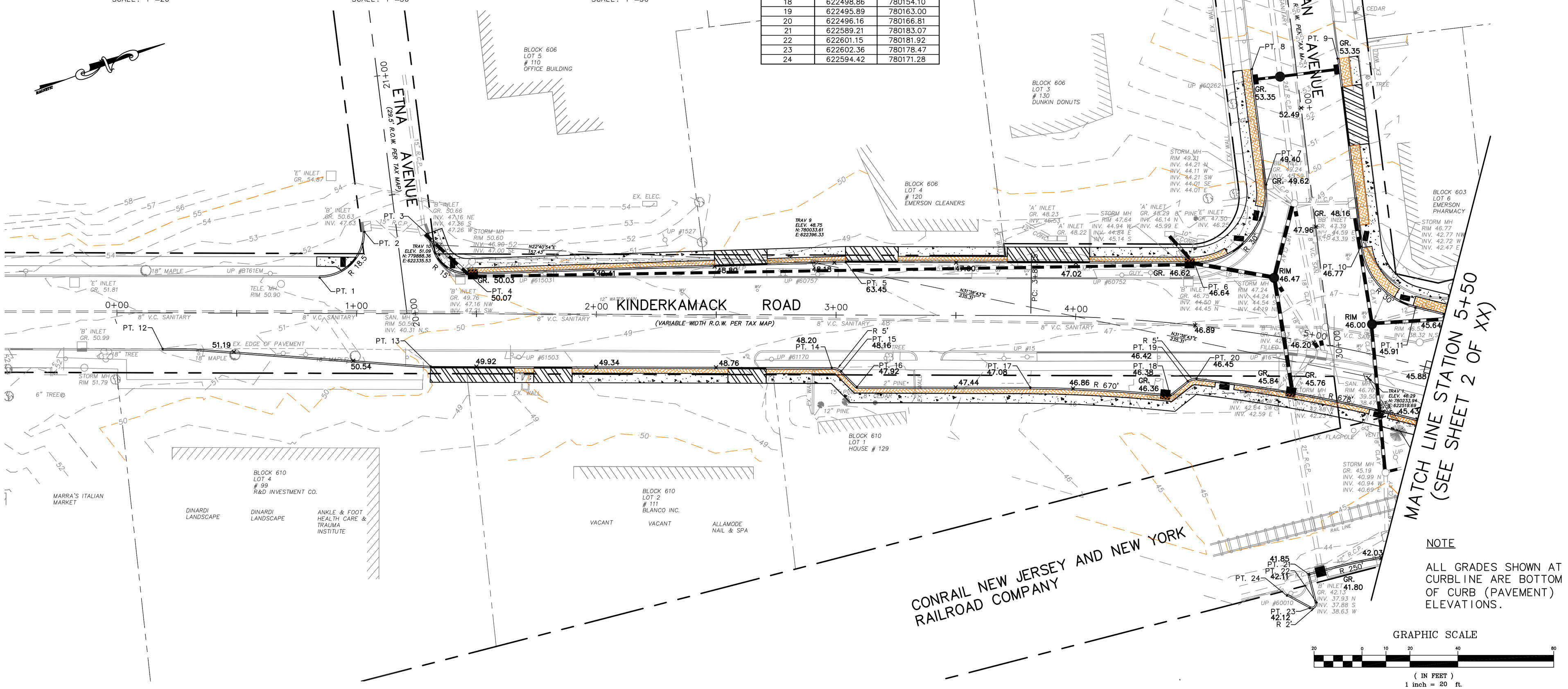
TRV. PT. # 10
ELEV. 51.09
N:779888.36, E:622335.53
SCALE: 1"=20'



TRV. PT. # 9
ELEV. 48.75
N:780033.61, E:622396.33
SCALE: 1"=30'



TRV. PT. # 1
ELEV. 46.29
N:780233.94, E:622519.69
SCALE: 1"=30'



NOTE

ALL GRADES SHOWN AT CURBLINE ARE BOTTOM OF CURB (PAVEMENT) ELEVATIONS.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

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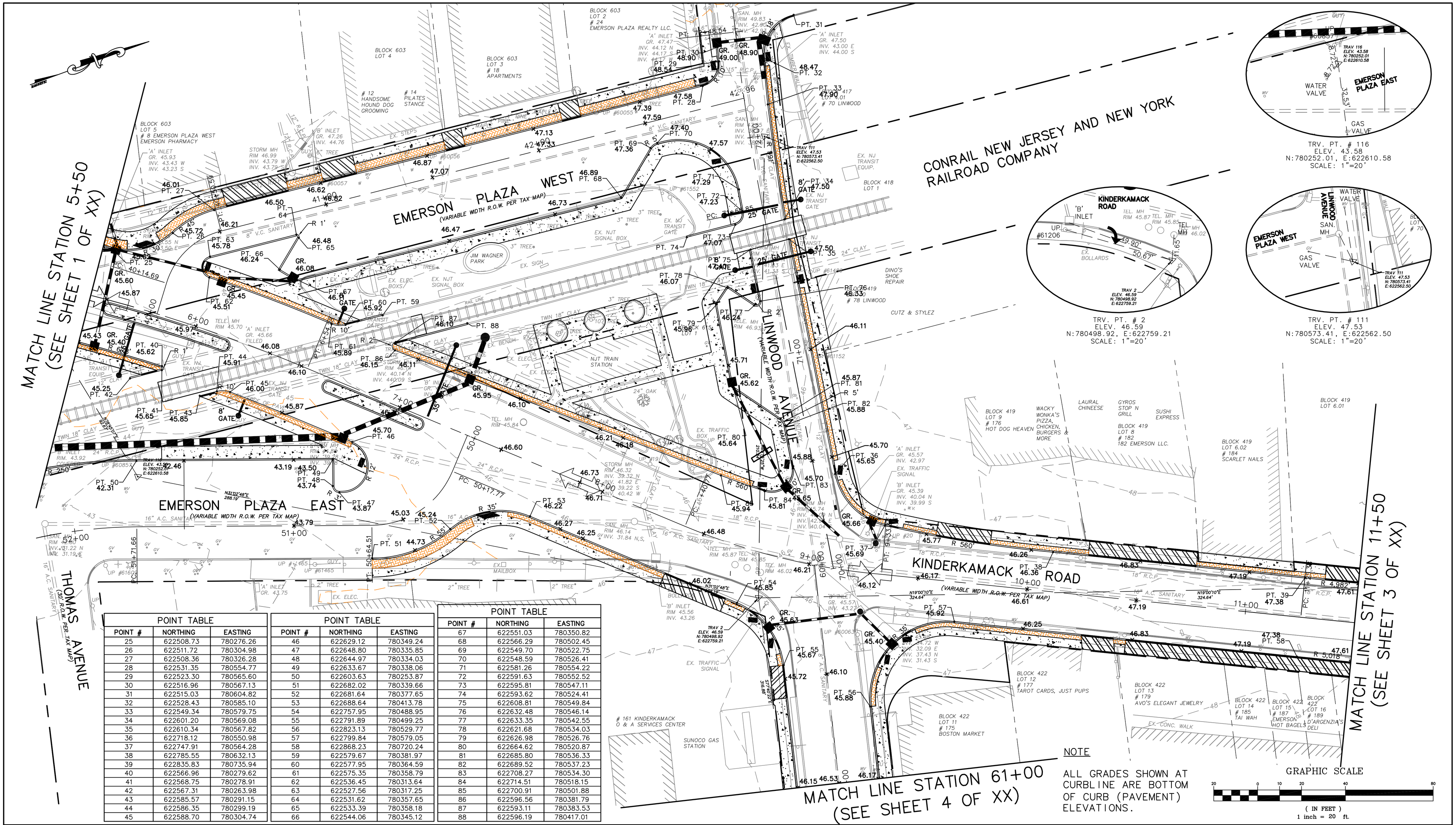
KINDERKAMACK ROAD IMPROVEMENTS

GRADING AND LAYOUT PLAN –1–
BOROUGH OF EMERSON
BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: ####	SCALE: 1"=20'	JOB NO. EM–151	DATE: 2/15/12
DRAWN BY: JJM	CHECKED BY: ND			

CADD FILE: EM–151–GP SHEET 13 OF XX



POINT TABLE		
POINT #	NORTHING	EASTING
25	622508.73	780276.26
26	622511.72	780304.98
27	622508.36	780326.28
28	622531.35	780554.77
29	622523.30	780565.60
30	622516.96	780567.13
31	622515.03	780604.82
32	622528.43	780585.10
33	622549.34	780579.75
34	622601.20	780569.08
35	622610.34	780567.82
36	622718.12	780550.98
37	622747.91	780564.28
38	622785.55	780632.13
39	622835.83	780735.94
40	622566.96	780279.62
41	622568.75	780278.91
42	622567.31	780263.98
43	622585.57	780291.15
44	622586.35	780299.19
45	622588.70	780304.74

POINT TABLE		
POINT #	NORTHING	EASTING
46	622629.12	780349.24
47	622648.80	780335.85
48	622644.97	780334.03
49	622633.67	780338.06
50	622603.63	780253.87
51	622682.02	780339.66
52	622681.64	780377.65
53	622688.64	780413.78
54	622757.95	780488.95
55	622791.89	780499.25
56	622823.13	780529.77
57	622799.84	780579.05
58	622868.23	780720.24
59	622579.67	780381.97
60	622577.95	780364.59
61	622575.35	780358.79
62	622536.45	780313.64
63	622527.56	780317.25
64	622531.62	780357.65
65	622533.39	780358.18
66	622544.06	780345.12

POINT TABLE		
POINT #	NORTHING	EASTING
67	622551.03	780350.82
68	622566.29	780502.45
69	622549.70	780522.75
70	622548.59	780526.41
71	622581.26	780554.22
72	622591.63	780552.52
73	622595.81	780547.11
74	622593.62	780524.41
75	622608.81	780549.84
76	622632.48	780546.14
77	622633.35	780542.55
78	622621.68	780534.03
79	622626.98	780526.76
80	622664.62	780520.87
81	622685.80	780536.33
82	622689.52	780537.23
83	622708.27	780534.30
84	622714.51	780518.15
85	622700.91	780501.88
86	622596.56	780381.79
87	622593.11	780383.53
88	622596.19	780417.01

NOTE

ALL GRADES SHOWN AT CURBLINE ARE BOTTOM OF CURB (PAVEMENT) ELEVATIONS.

NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

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CHRISTOPHER J. NASH
PROFESSIONAL ENGINEER N.J. LIC. 31605

KINDERKAMACK ROAD IMPROVEMENTS

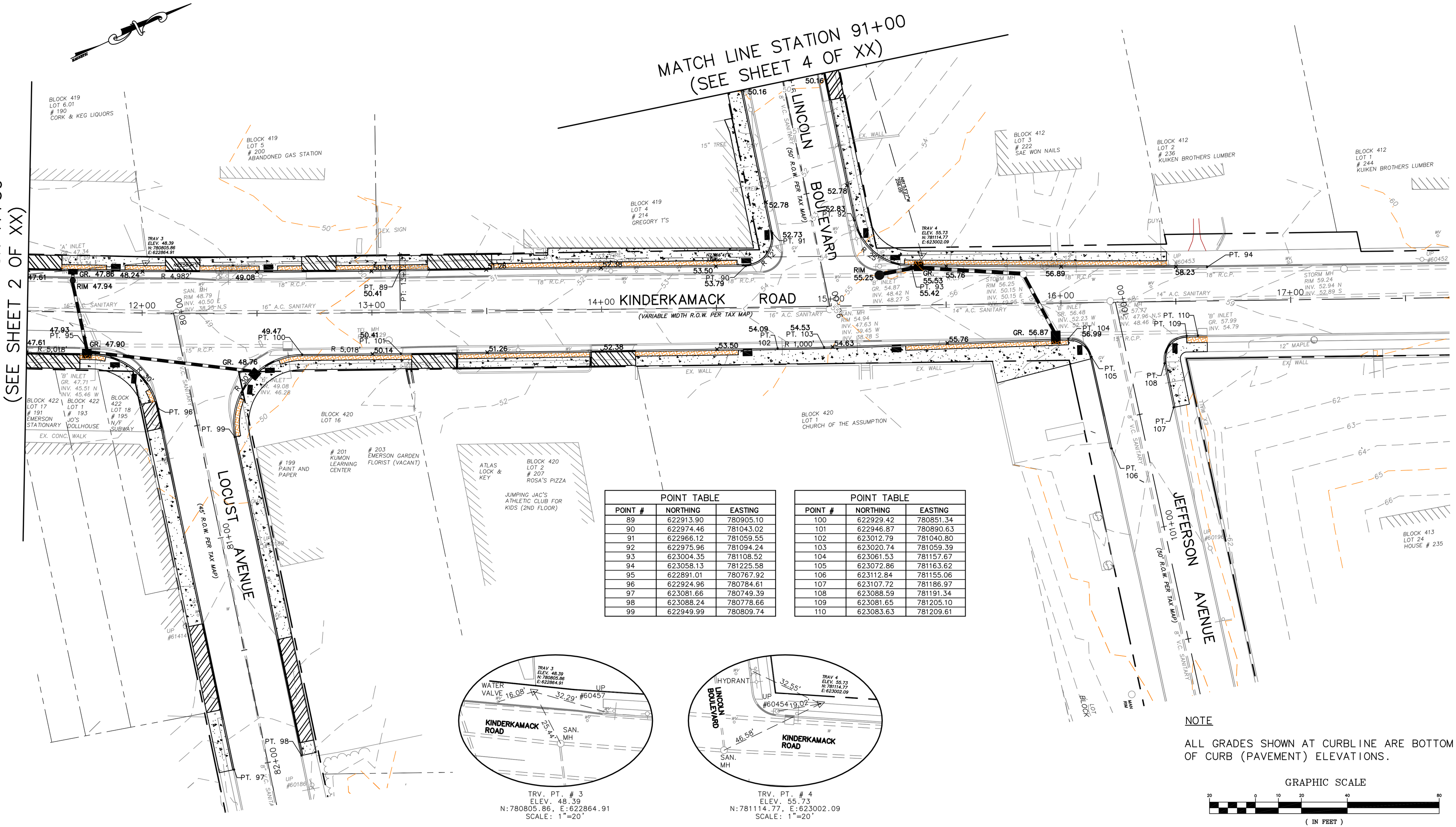
GRADING AND LAYOUT PLAN –2–

BOROUGH OF EMERSON

BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: ####	SCALE:	JOB NO.	DATE:
DRAWN BY: JJM	CHECKED BY: ND	1"=20'	EM–151	2/15/12

CADD FILE: EM–151–GP SHEET 14 OF XX



POINT TABLE		
POINT #	NORTHING	EASTING
89	622913.90	780905.10
90	622974.46	781043.02
91	622966.12	781059.55
92	622975.96	781094.24
93	623004.35	781108.52
94	623058.13	781225.58
95	622891.01	780767.92
96	622924.96	780784.61
97	623081.66	780749.39
98	623088.24	780778.66
99	622949.99	780809.74

POINT TABLE		
POINT #	NORTHING	EASTING
100	622929.42	780851.34
101	622946.87	780890.63
102	623012.79	781040.80
103	623020.74	781059.39
104	623061.53	781157.67
105	623072.86	781163.62
106	623112.84	781155.06
107	623107.72	781186.97
108	623088.59	781191.34
109	623081.65	781205.10
110	623083.63	781209.61

TRV. PT. # 3
ELEV. 48.39
N:780805.86, E:622864.91
SCALE: 1"=20'

TRV. PT. # 4
ELEV. 55.73
N:781114.77, E:623002.09
SCALE: 1"=20'

NOTE

ALL GRADES SHOWN AT CURBLINE ARE BOTTOM OF CURB (PAVEMENT) ELEVATIONS.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 1:59 PM

BOSWELL McCLAVE ENGINEERING
EST. 1924
ENGINEERS – SURVEYORS – PLANNERS – SCIENTISTS
330 PHILLIPS AVENUE, SOUTH HACKENSACK, N.J. 07606
TEL: (201) 641–0770 • FAX: (201) 641–1831
N.J. CERTIFICATE OF AUTHORIZATION NO. 24GA27958000

STEPHEN T. BOSWELL
PROFESSIONAL ENGINEER N.J. LIC. 34680

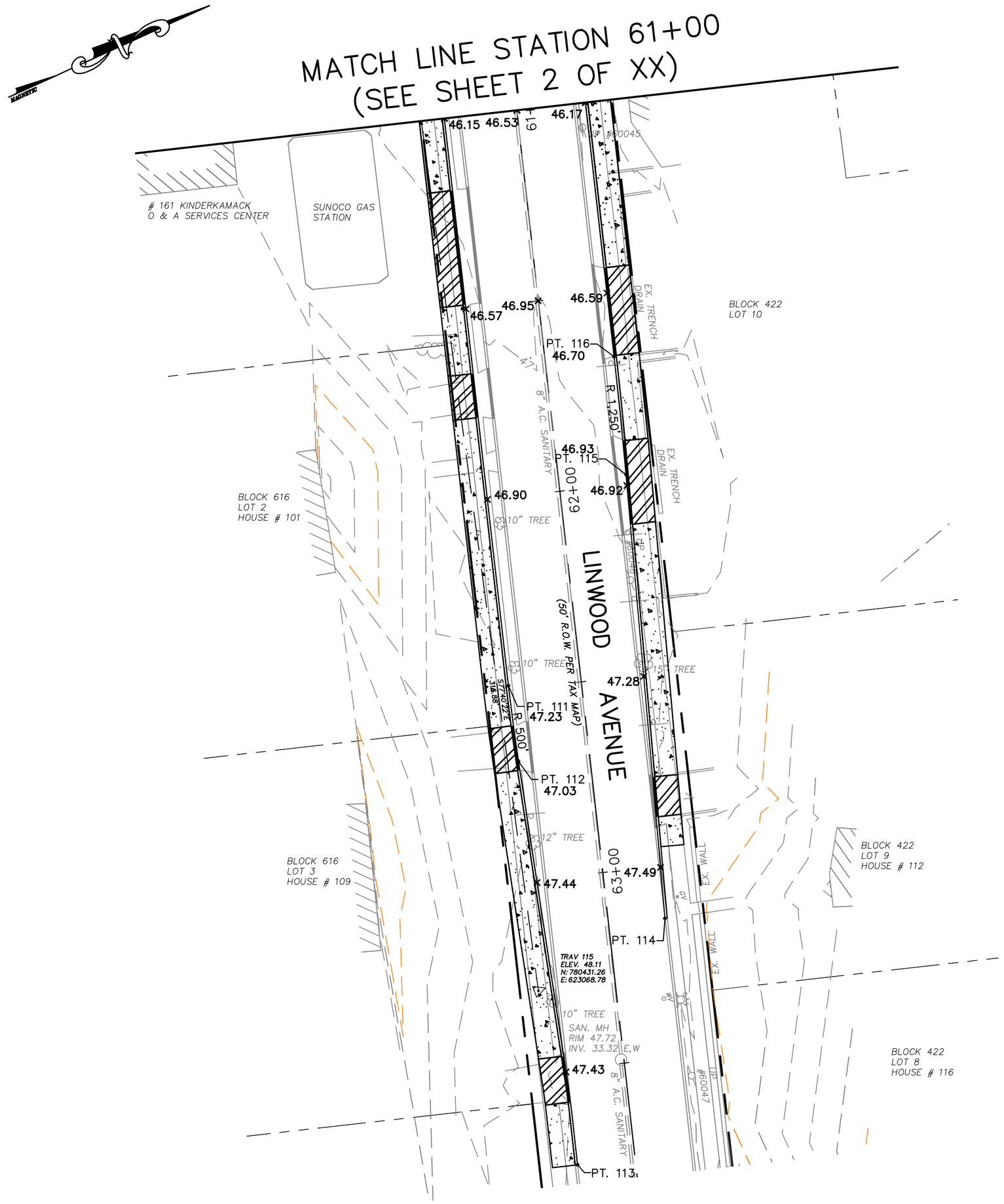
CHRISTOPHER J. NASH
PROFESSIONAL ENGINEER N.J. LIC. 31605

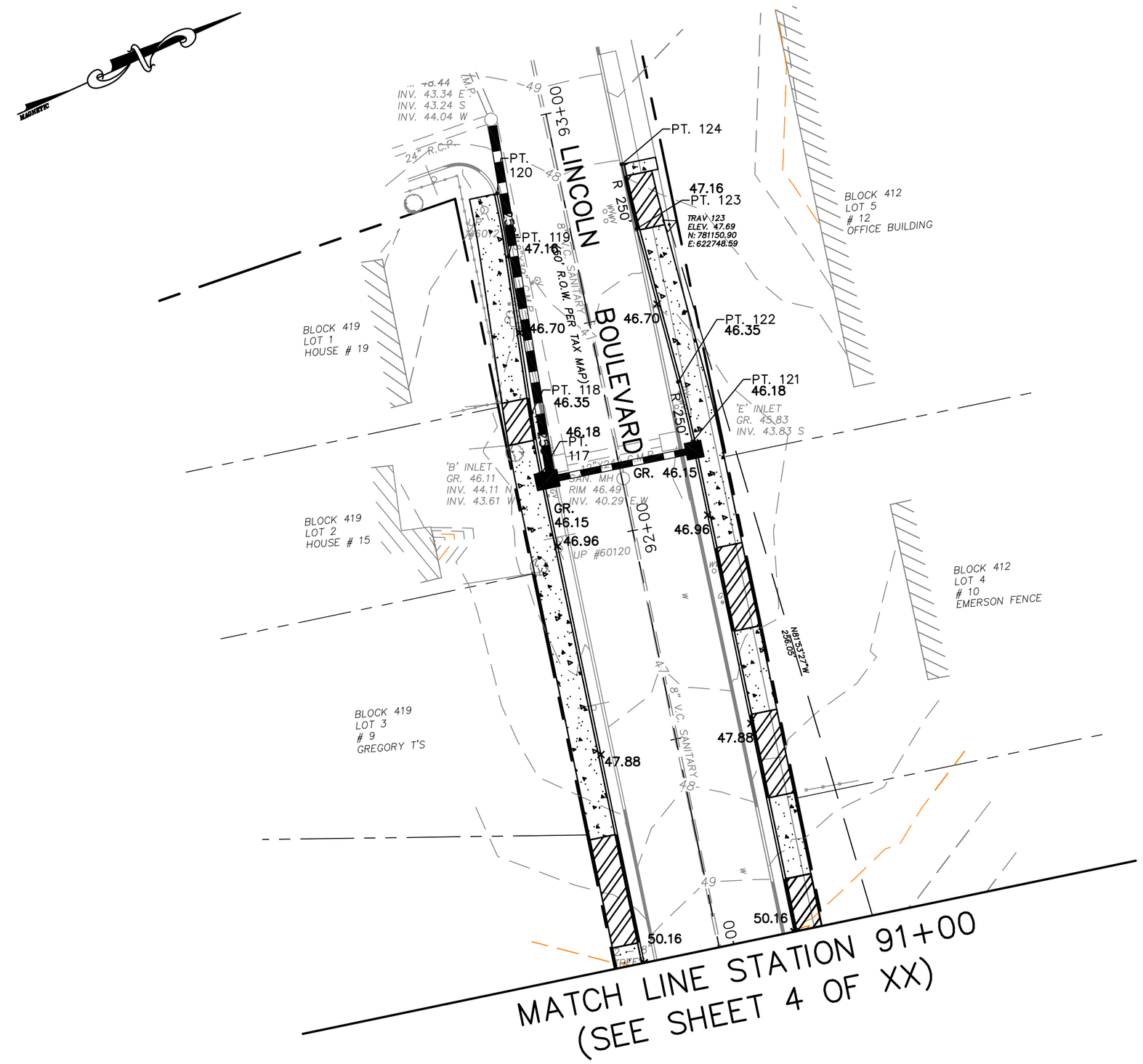
KINDERKAMACK ROAD IMPROVEMENTS

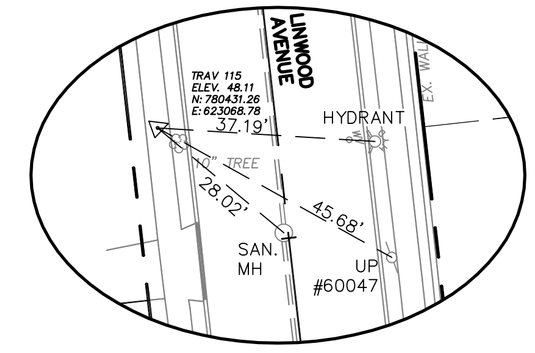
GRADING AND LAYOUT PLAN –3–
BOROUGH OF EMERSON
BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: ####	SCALE: 1"=20'	JOB NO. EM–151	DATE: 2/15/12
DRAWN BY: JJM	CHECKED BY: ND			

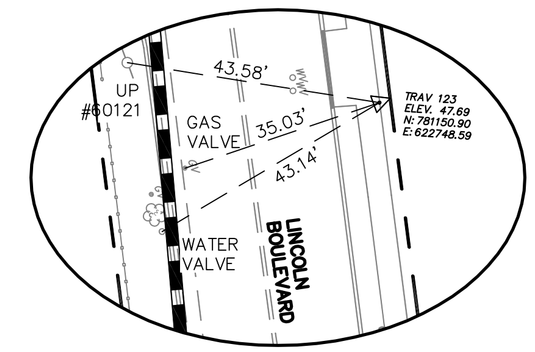
CADD FILE: EM–151–GP SHEET 15 OF XX







TRV. PT. # 115
ELEV. 48.11
N:780431.26, E:623068.78
SCALE: 1"=20'



TRV. PT. # 123
ELEV. 47.69
N:781150.90, E:622748.59
SCALE: 1"=20'

POINT TABLE		
POINT #	NORTHING	EASTING
111	622991.34	780451.14
112	623010.74	780446.87
113	623114.90	780425.36
114	623062.31	780468.74
115	622950.07	780498.76
116	622920.17	780506.37
117	622789.23	781099.59
118	622775.45	781103.12
119	622739.79	781113.35
120	622725.17	781117.08
121	622797.31	781134.67
122	622783.09	781137.46
123	622746.32	781143.56
124	622731.05	781146.59

NOTE

ALL GRADES SHOWN AT CURBLINE ARE BOTTOM OF CURB (PAVEMENT) ELEVATIONS.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 1:59 PM

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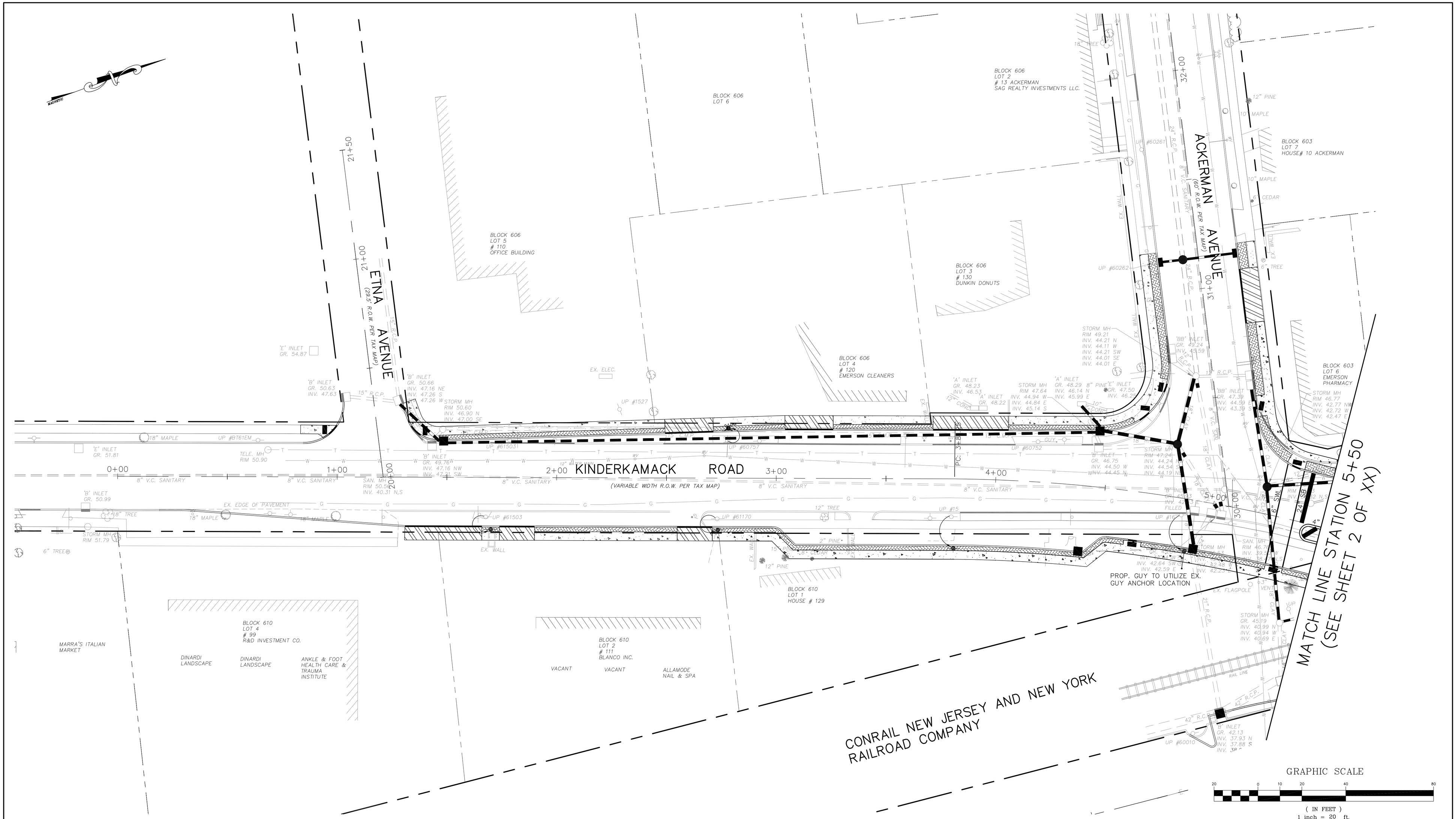
KINDERKAMACK ROAD IMPROVEMENTS

GRADING AND LAYOUT PLAN –4–
BOROUGH OF EMERSON
BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: ####	SCALE:	JOB NO.	DATE:
DRAWN BY: JJM	CHECKED BY: ND	1"=20'	EM–151	2/15/12

CADD FILE: EM–151–GP SHEET 16 OF XX



NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 1:59 PM

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KINDERKAMACK ROAD IMPROVEMENTS

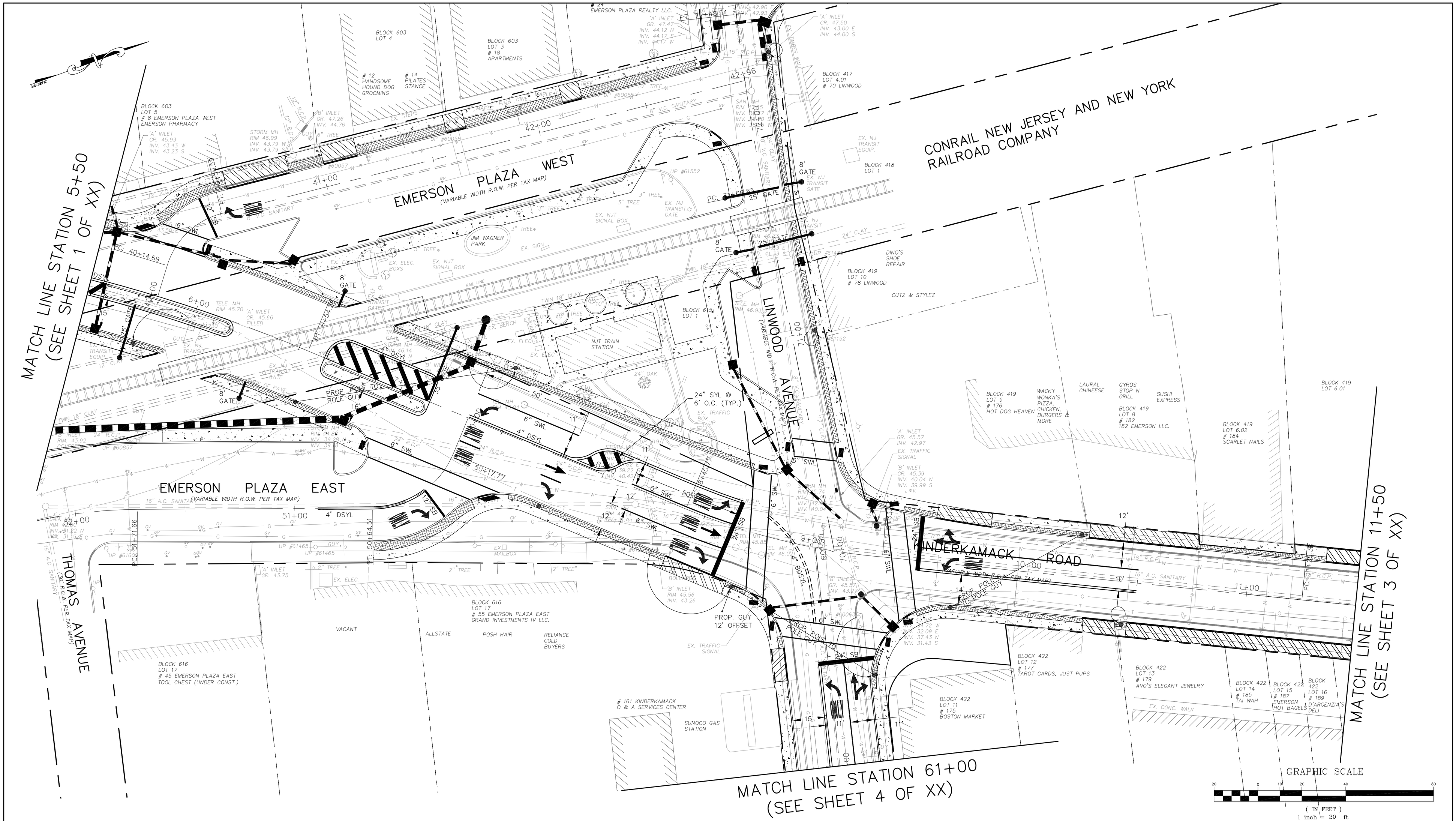
UTILITY RELOCATION PLAN –1–

BOROUGH OF EMERSON

BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: ####	SCALE:	JOB NO.	DATE:
DRAWN BY: JJM	CHECKED BY: ND	1"=20'	EM–151	2/15/12

CADD FILE: EM–151–URP SHEET 17 OF XX



NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 2:00 PM

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KINDERKAMACK ROAD IMPROVEMENTS

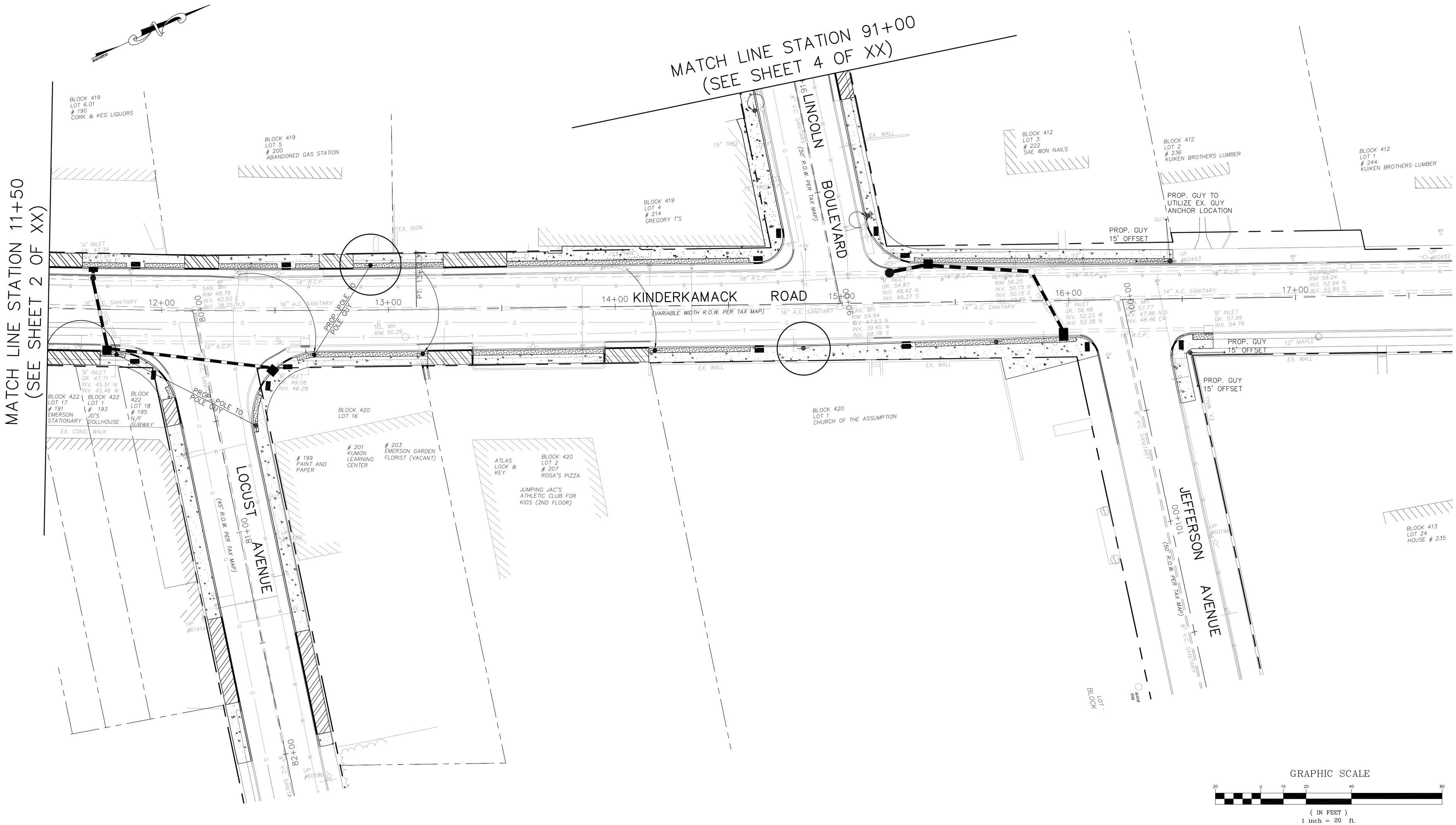
UTILITY RELOCATION PLAN –2–

BOROUGH OF EMERSON

BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: ####	SCALE:	JOB NO.	DATE:
DRAWN BY: JJM	CHECKED BY: ND	1"=20'	EM–151	2/15/12

CADD FILE: EM–151–URP SHEET 18 OF XX



NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 2:00 PM

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KINDERKAMACK ROAD IMPROVEMENTS

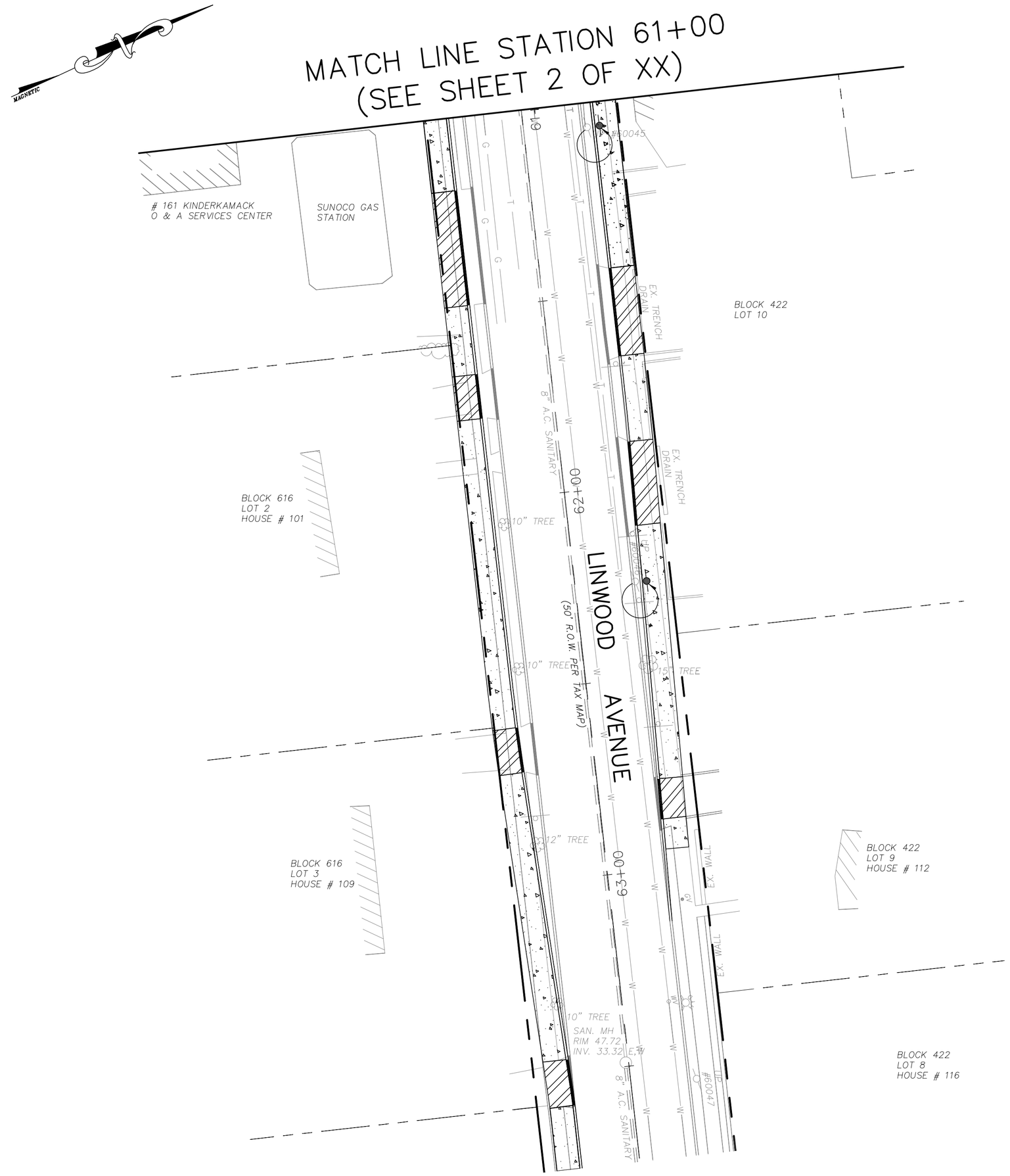
UTILITY RELOCATION PLAN –3–

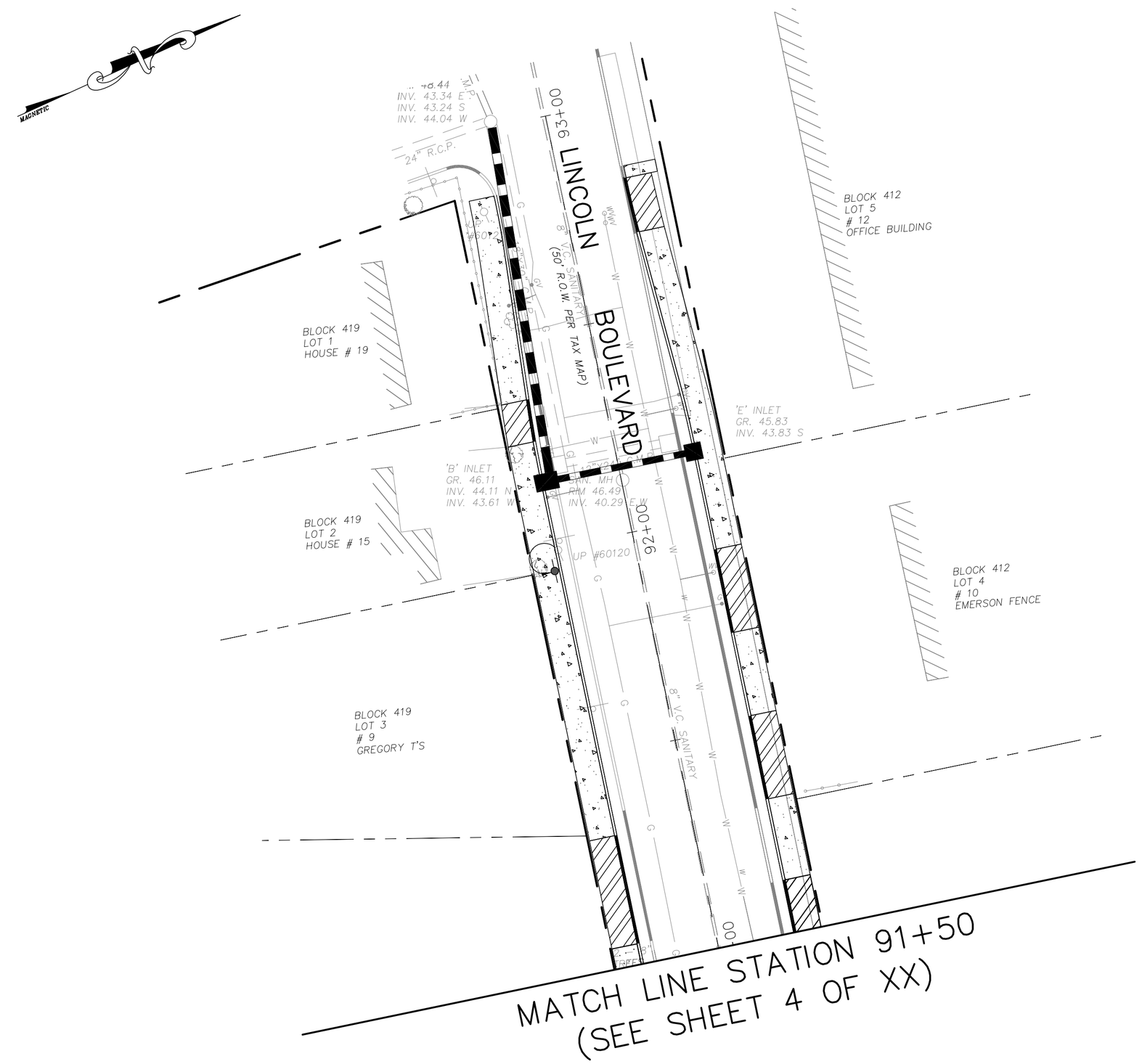
BOROUGH OF EMERSON

BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: ####	SCALE:	JOB NO.	DATE:
DRAWN BY: JJM	CHECKED BY: ND	1"=20'	EM–151	2/15/12

CADD FILE: EM–151–URP SHEET 19 OF XX





GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 2:00 PM

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KINDERKAMACK ROAD IMPROVEMENTS

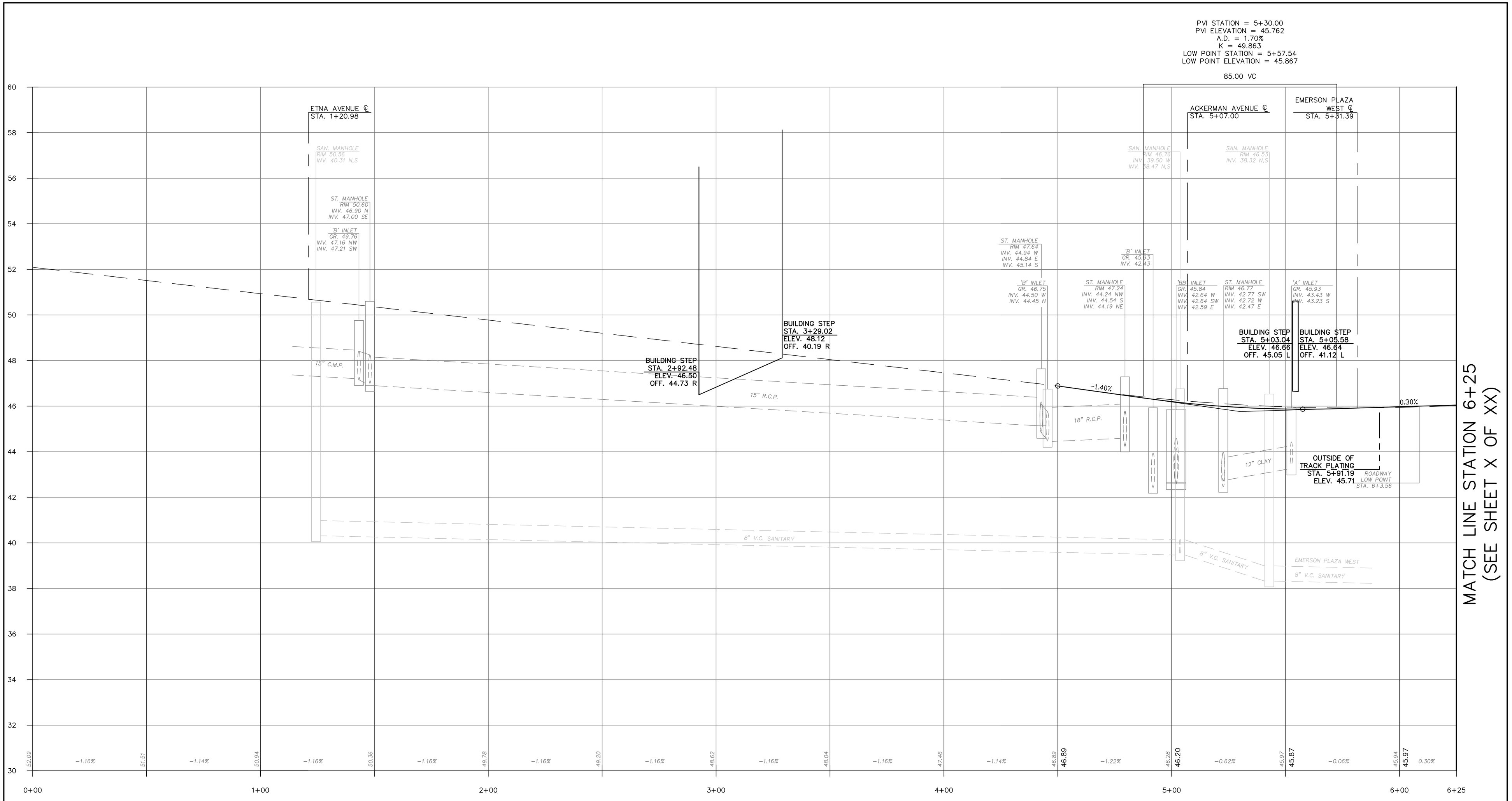
UTILITY RELOCATION PLAN –4–

BOROUGH OF EMERSON

BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: ####	SCALE:	JOB NO.	DATE:
DRAWN BY: JJM	CHECKED BY: ND	1"=20'	EM–151	2/15/12

CADD FILE: EM–151–URP SHEET 20 OF XX



KINDERKAMACK ROAD PROFILE

HORIZONTAL 1=20'
VERTICAL 1=2'

NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 2:01 PM

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KINDERKAMACK ROAD IMPROVEMENTS

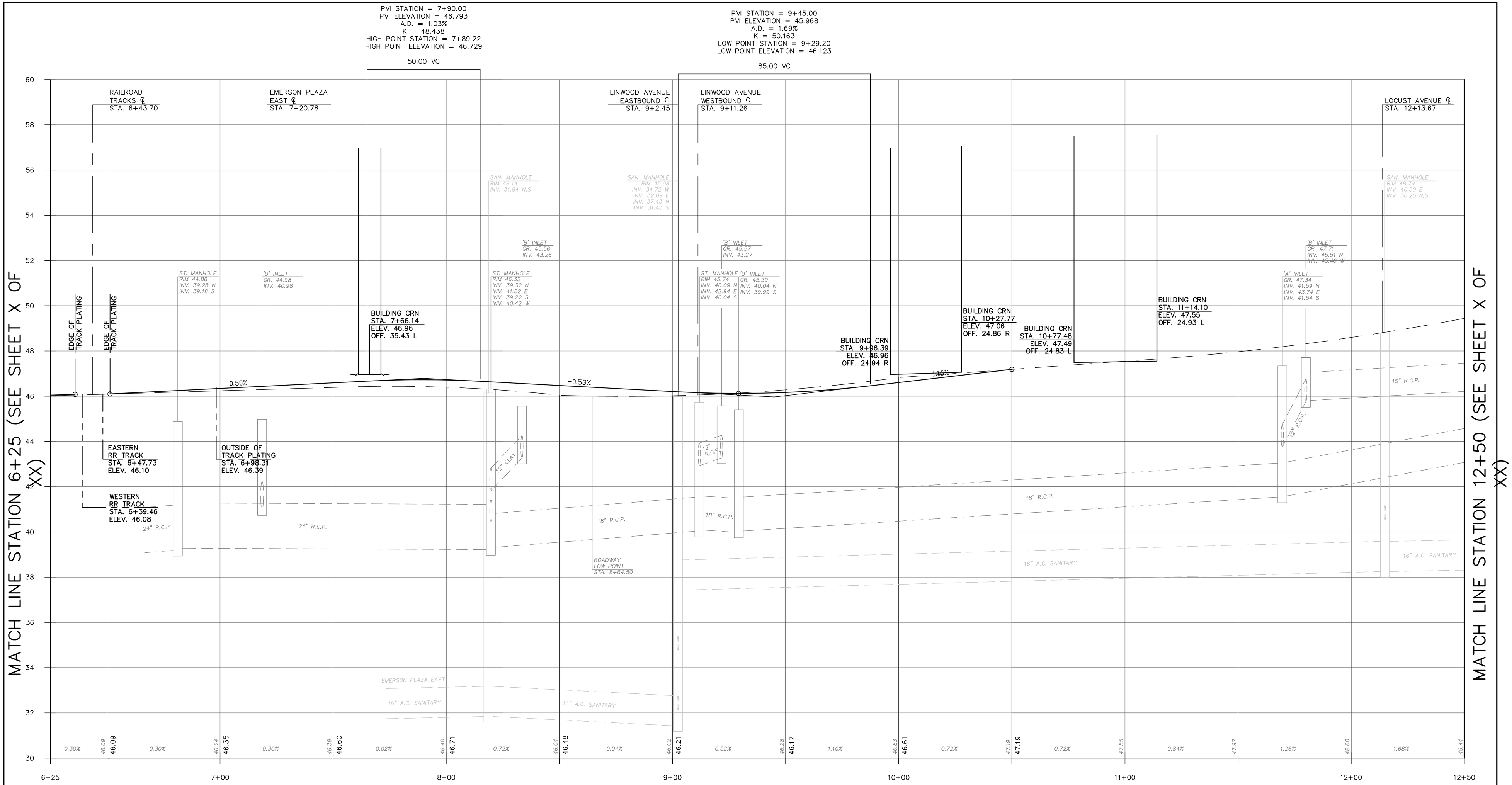
ROADWAY PROFILES –1–

BOROUGH OF EMERSON

BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: ####	SCALE:	JOB NO.	DATE:
DRAWN BY: JJM	CHECKED BY: ND	AS NOTED	EM–151	2/15/12

CADD FILE: EM–151–PR–REV SHEET 21 OF XX



KINDERKAMACK ROAD PROFILE

HORIZONTAL 1=20'
VERTICAL 1=2'

NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 2:01 PM

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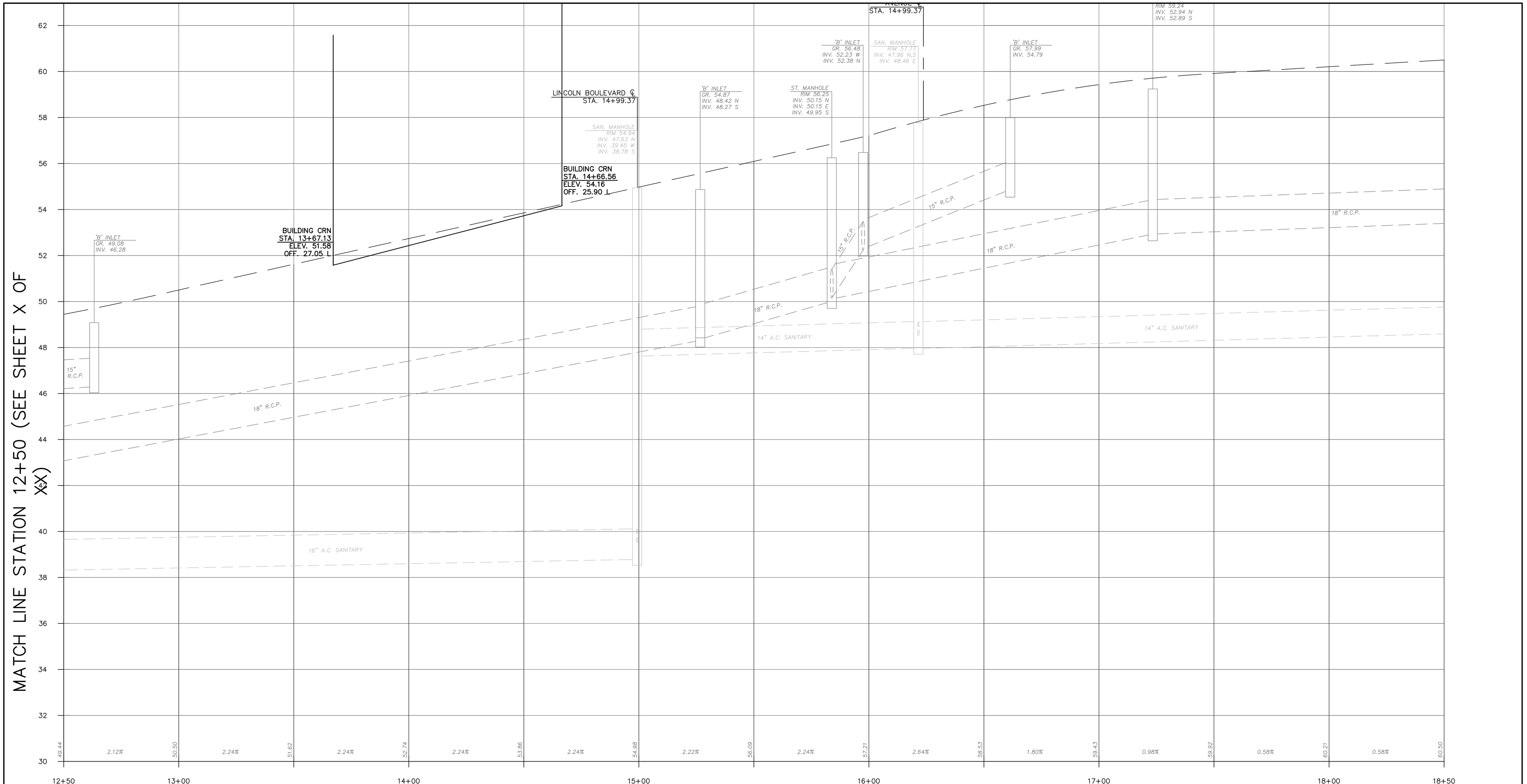
KINDERKAMACK ROAD IMPROVEMENTS

ROADWAY PROFILES –2–

BOROUGH OF EMERSON
BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: ####	SCALE:	JOB NO.	DATE:
DRAWN BY: JJM	CHECKED BY: ND	AS NOTED	EM–151	2/15/12

CADD FILE: EM–151–PR–REV SHEET 22 OF XX



KINDERKAMACK ROAD PROFILE

HORIZONTAL 1=20'
VERTICAL 1=2'

NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 2:02 PM

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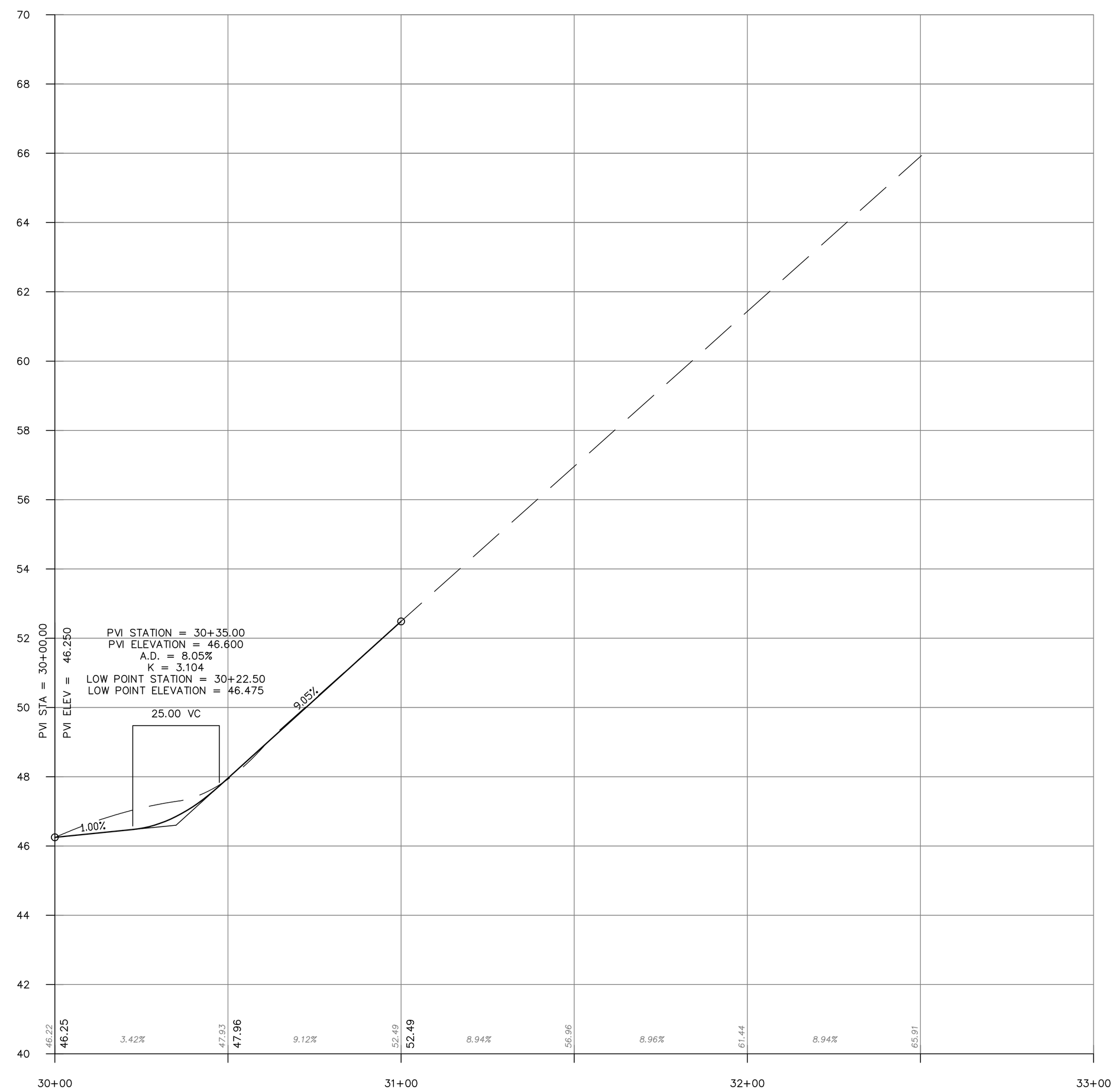
KINDERKAMACK ROAD IMPROVEMENTS
ROADWAY PROFILES –3–
BOROUGH OF EMERSON
BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: ####	SCALE:	JOB NO.	DATE:
DRAWN BY: JJM	CHECKED BY: ND	AS NOTED	EM–151	2/15/12

CADD FILE: EM–151–PR–REV SHEET 23 OF XX



ACKERMAN AVENUE PROFILE

HORIZONTAL 1=20'
VERTICAL 1=2'

NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 2:02 PM

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KINDERKAMACK ROAD IMPROVEMENTS

ROADWAY PROFILES –4–

BOROUGH OF EMERSON

BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB DRAWN BY: JJM	DESIGNED BY: #### CHECKED BY: ND	SCALE: AS NOTED	JOB NO. EM–151	DATE: 2/15/12

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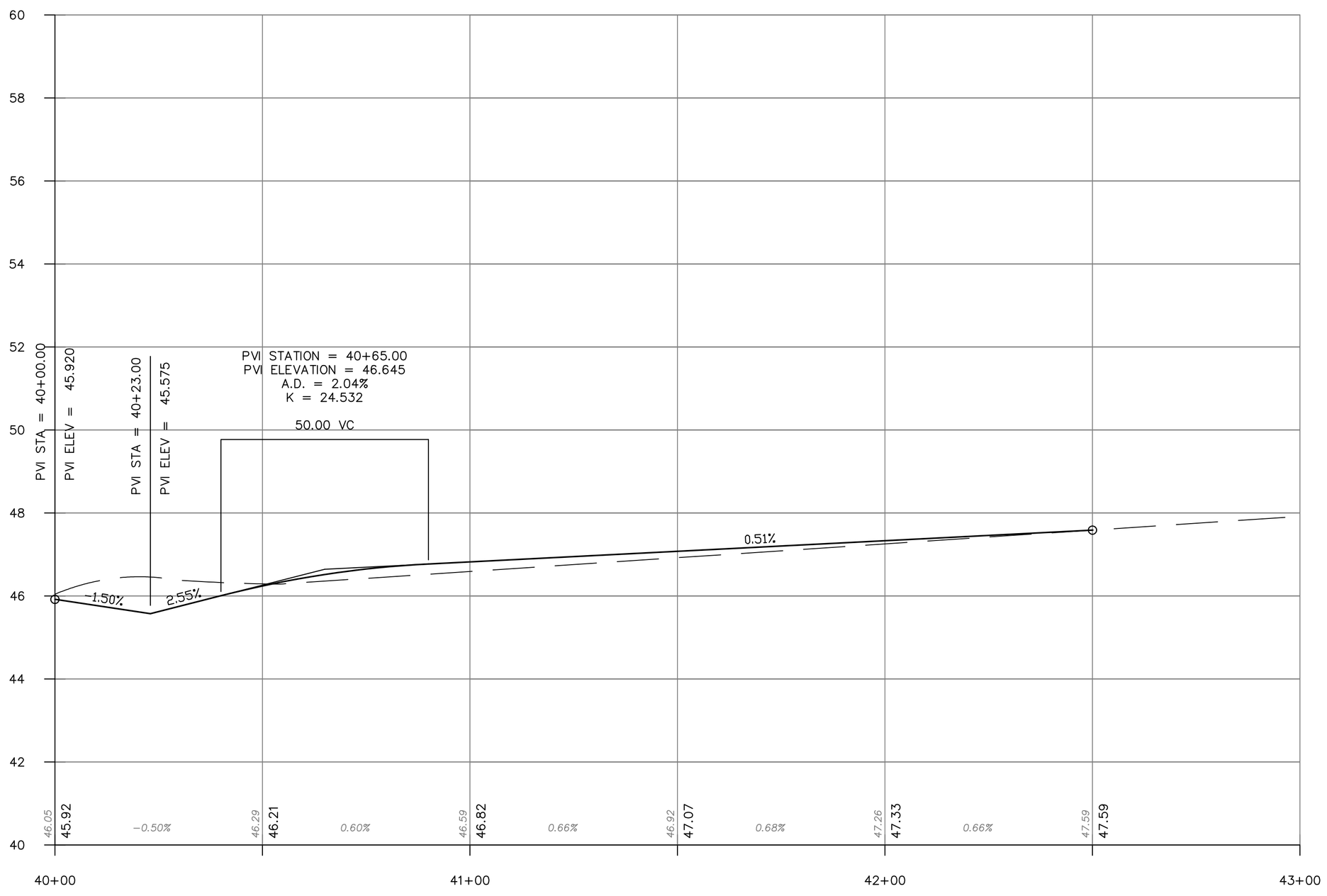
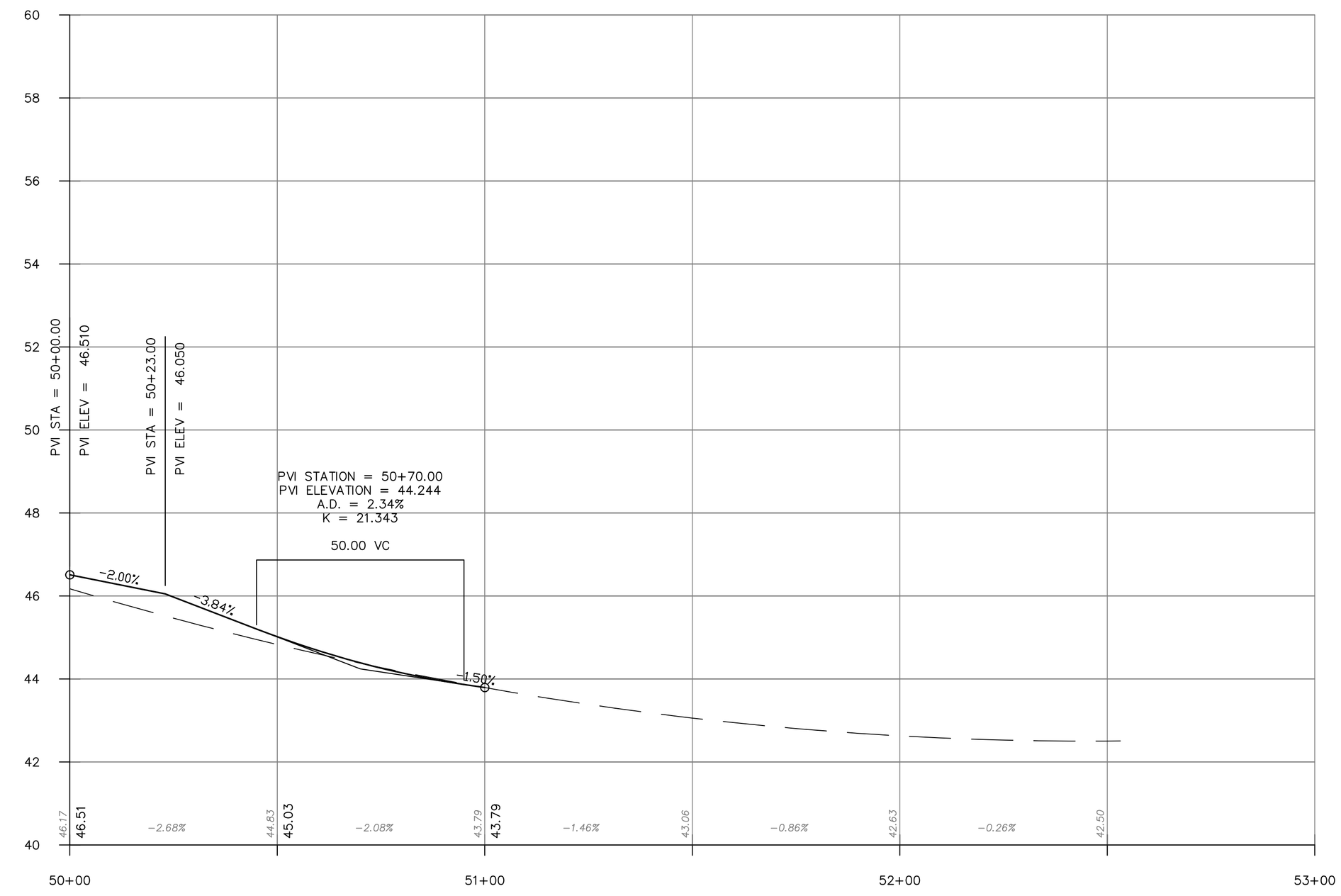


EMERSON PLAZA WEST PROFILE

HORIZONTAL 1=20'
VERTICAL 1=2'



EMERSON PLAZA EAST PROFILE

HORIZONTAL 1=20'
VERTICAL 1=2'

NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 2:03 PM

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KINDERKAMACK ROAD IMPROVEMENTS

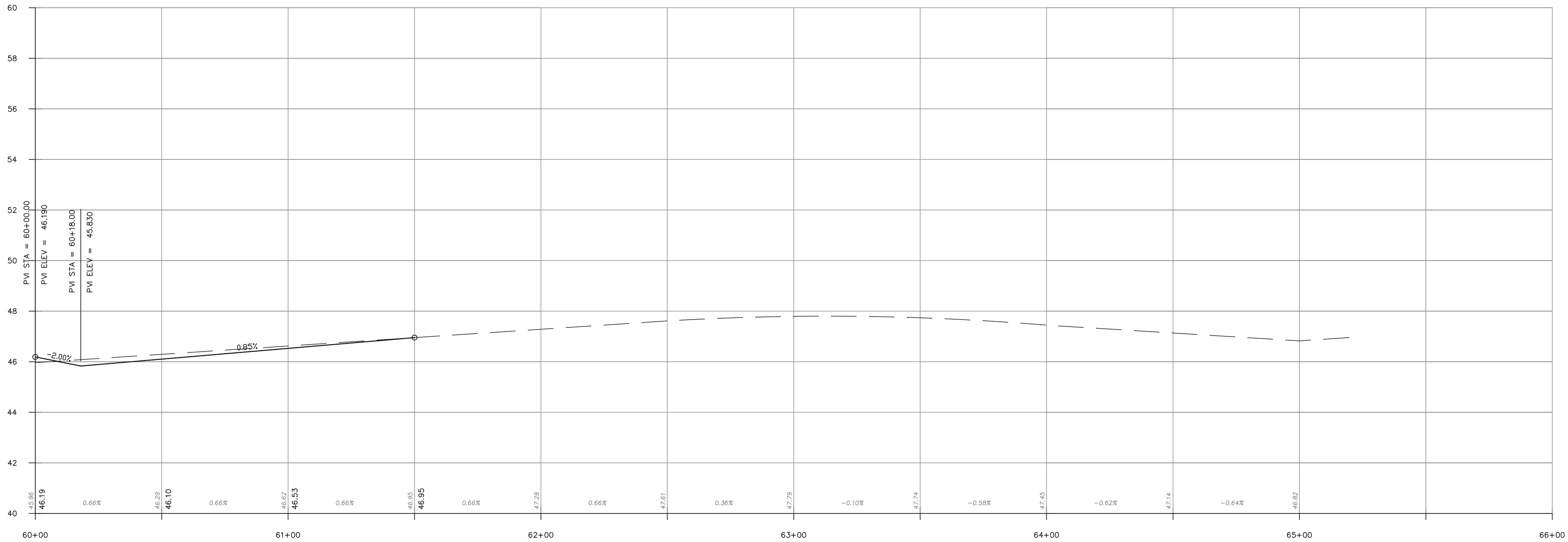
ROADWAY PROFILES –5–

BOROUGH OF EMERSON

BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB DRAWN BY: JJM	DESIGNED BY: #### CHECKED BY: ND	SCALE: AS NOTED	JOB NO. EM–151	DATE: 2/15/12

CADD FILE: EM–151–PR–REV SHEET 25 OF XX



LINWOOD AVENUE (EASTBOUND) PROFILE

HORIZONTAL 1=20'
VERTICAL 1=2'

NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 2:03 PM

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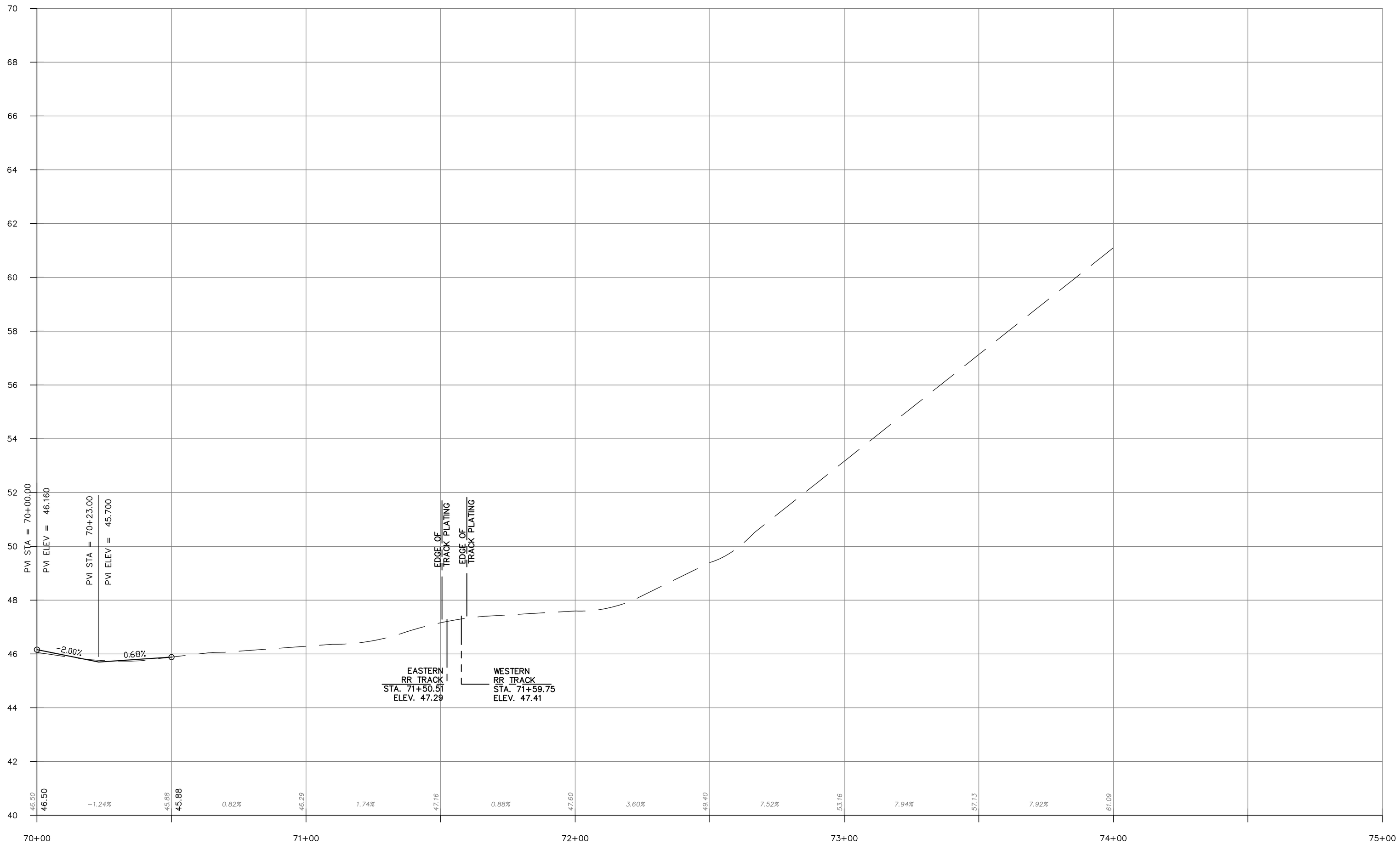
KINDERKAMACK ROAD IMPROVEMENTS
ROADWAY PROFILES –6–
BOROUGH OF EMERSON
BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB DRAWN BY: JJM	DESIGNED BY: #### CHECKED BY: ND	SCALE: AS NOTED	JOB NO. EM–151	DATE: 2/15/12

CADD FILE: EM–151–PR–REV SHEET 26 OF XX



LINWOOD AVENUE (WESTBOUND) PROFILE

HORIZONTAL 1=20'
VERTICAL 1=2'

NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

PLOT BY: jmcginnis PLOT DATE: 3/14/2012 2:05 PM

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KINDERKAMACK ROAD IMPROVEMENTS
ROADWAY PROFILES –7–
BOROUGH OF EMERSON
BERGEN COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: ####	SCALE:	JOB NO.	DATE:
DRAWN BY: JJM	CHECKED BY: ND	AS NOTED	EM–151	2/15/12

CADD FILE: EM–151–PR–REV SHEET 27 OF XX