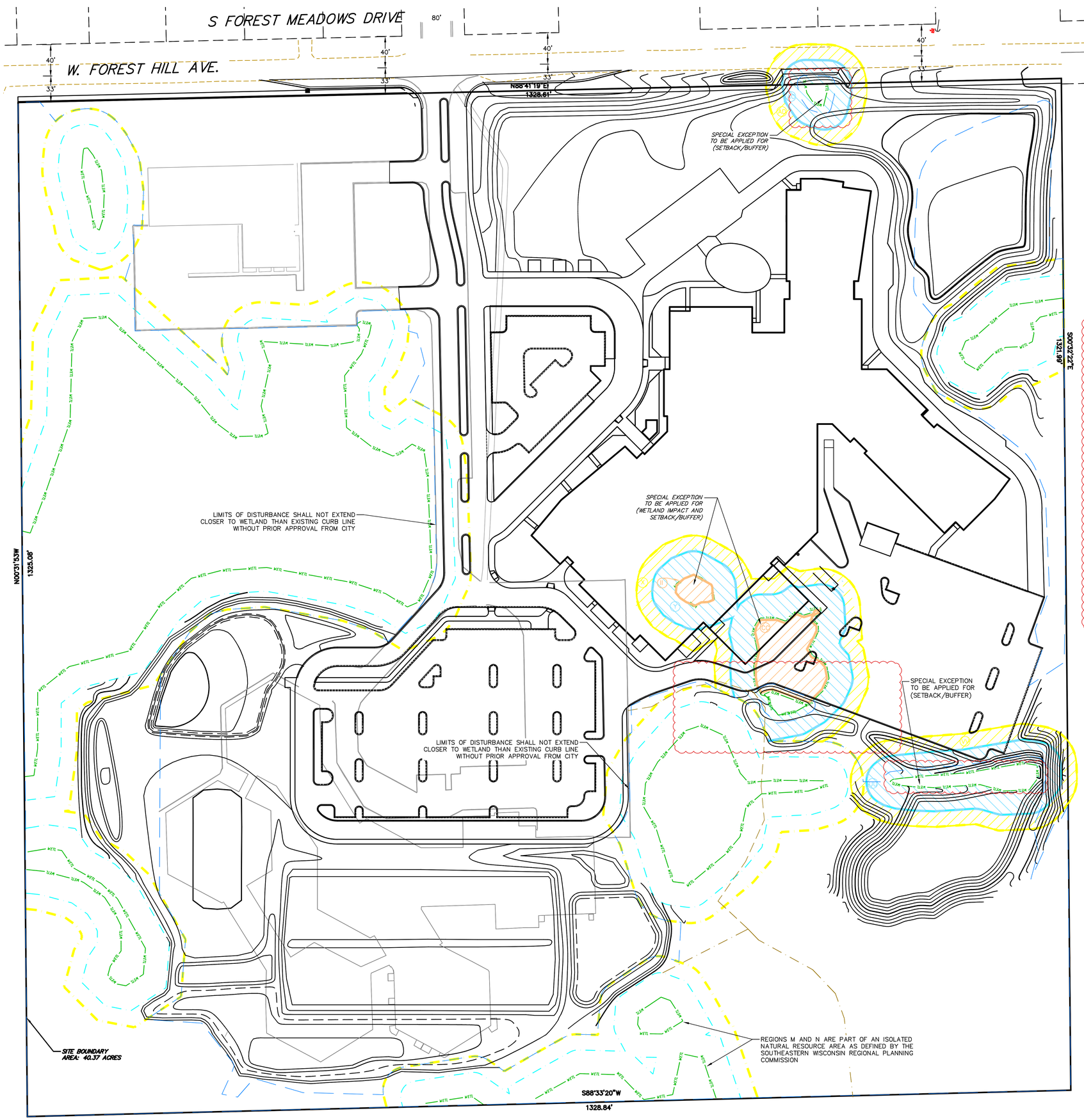

GRAPHIC SCALE FEET

0 25 50 100

N W E S

TOPOGRAPHIC LINEWORK LEGEND

- EXISTING WETLAND DELINEATION
- EXISTING 50' WETLAND SETBACK (CITY)
- EXISTING 30' WETLAND BUFFER (CITY)
- PROPOSED CURB
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED ASPHALT
- EXISTING WALKING PATH TO BE MAINTAINED
- DISTURBED WETLAND BUFFER
- DISTURBED WETLAND SETBACK
- DISTURBED WETLAND

REMOVED WETLAND AREAS

REGION	AREA (SF)
II	1,350
CC	8,600
TOTAL	9,950

REMOVED WETLAND BUFFER AREAS

REGION	AREA (SF)
Y	21,900
UU	15,000
AC	5,800
TOTAL	42,700

REMOVED WETLAND SETBACK AREAS

REGION	AREA (SF)
X	15,950
ZZ	13,100
AD	7,000
TOTAL	36,050

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Forest Park Middle School

8225 W Forest Hill Ave, Franklin, WI 53132

Special Exception Plan

Revisions

12 JUNE, 2017 - CITY RESUBMITTAL

28 JUNE, 2017 - PLANNING COMMISSION SUBMITTAL

Date: 22 MAY 2017

Job No.: 150178-02

Sheet No.: C111

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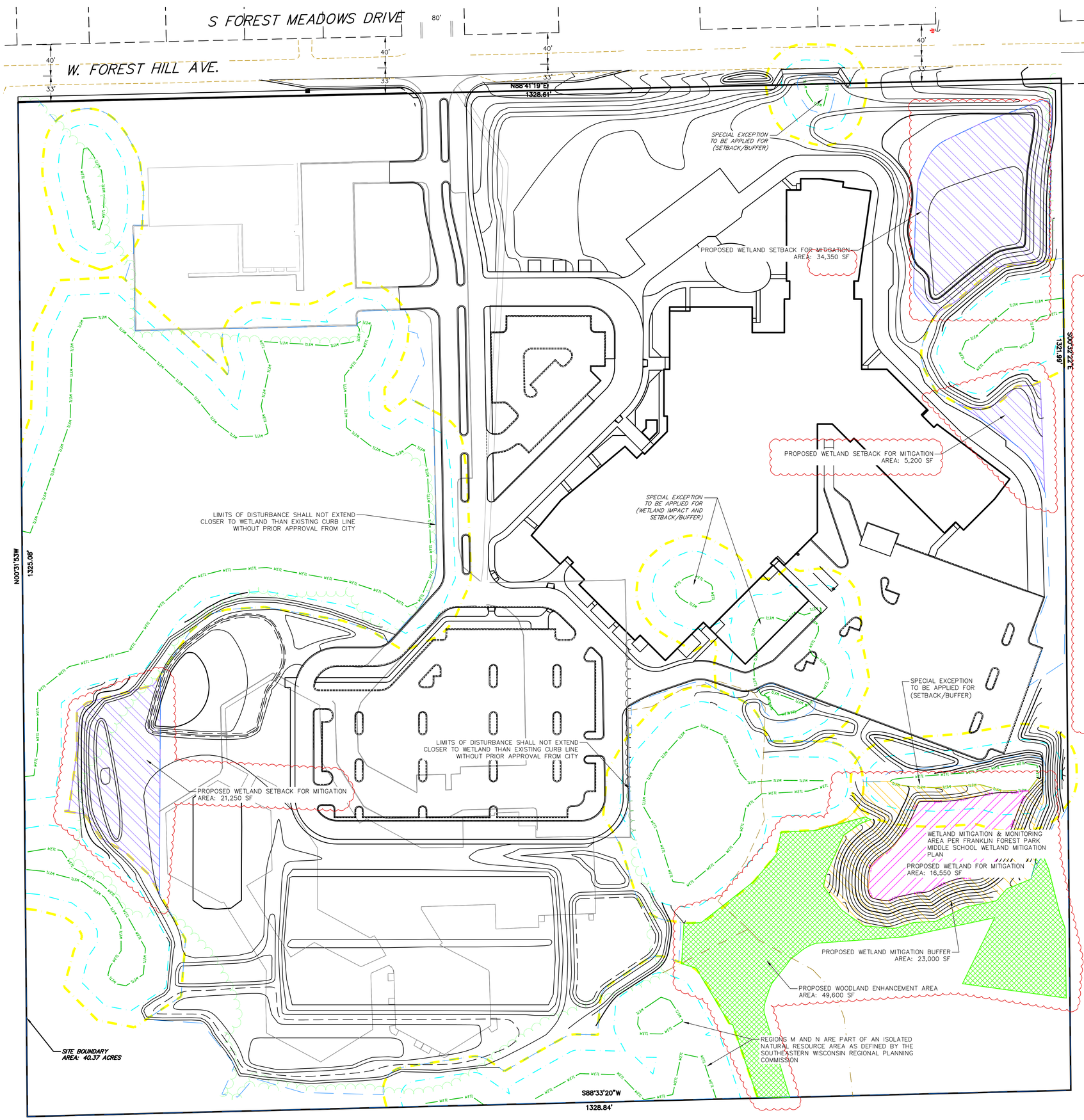

GRAPHIC SCALE FEET
0 25 50 100

N W E S

TOPOGRAPHIC LINEWORK LEGEND

- EXISTING WETLAND DELINEATION
- PROPOSED WETLAND FOR MITIGATION
- PROPOSED WETLAND BUFFER FOR MITIGATION
- PROPOSED WOODLAND ENHANCEMENT
- PROPOSED WETLAND SETBACK FOR MITIGATION
- EXISTING 50' WETLAND SETBACK (CITY)
- EXISTING 30' WETLAND BUFFER (CITY)
- PROPOSED CURB
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED ASPHALT
- EXISTING WALKING PATH TO BE MAINTAINED

REMOVED WETLAND AREAS

REGION	AREA (SF)
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CC	8,600
TOTAL	9,950

REMOVED WETLAND BUFFER AREAS

REGION	AREA (SF)
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TOTAL	42,700

REMOVED WETLAND SETBACK AREAS

REGION	AREA (SF)
X	15,950
ZZ	13,100
AD	7,000
TOTAL	36,050

AREA REQUIREMENTS FOR MITIGATION**

REGION	AREA (SF)
WETLAND	14,925
WETLAND BUFFER	64,050
WETLAND SETBACK	54,075

**NOTE: MITIGATION REQUIREMENTS ESTABLISHED VIA 1.5:1.0 RATIO PER THE UDO.

MITIGATION

REGION	IMPACT (SF)	REQUIRED (SF)	PROVIDED (SF)	RATIO
WETLAND	9,950	14,925	16,550	1.66:1.00
BUFFER/WOODLAND ENHANCEMENT	42,700	64,050	72,600	1.70:1.00
SETBACK	36,050	54,075	60,800	1.69:1.00

TREE SCHEDULE

"T" NO.	DIA. (IN)	TYPE
1	10	BLACK LOCUST
2	16	BLACK LOCUST
3	10	WHITE ASH
4	18	BLACK LOCUST
5	14	BLACK LOCUST
6	8	BLACK LOCUST
7	12	RED CEDAR
8	24	COTTONWOOD
9	20	COTTONWOOD
10	12	BUCKTHORN
11	22	COTTONWOOD
12	14	COTTONWOOD
13	24	COTTONWOOD
14	14	COTTONWOOD
15	24	COTTONWOOD
16	14	SWISS STONE PINE
17	16	AUSTRIAN PINE
18	18	GREEN ASH
19	16	GREEN ASH
20	12	GREEN ASH
21	12	BLACK CHERRY
22	12	BUCKTHORN
23	10	BUCKTHORN
24	10	CRABAPPLE
25	8	COTTONWOOD
26	26	BUR OAK
27	8	BLACK CHERRY
28	8	BUR OAK
29	8	BLACK CHERRY
30	14	RED OAK
31	14	RED OAK
32	14	RED OAK
33	14	RED OAK
34	16	BLACK CHERRY
35	14	BLACK CHERRY
36	8	COTTONWOOD
37	12	COTTONWOOD
38	8	COTTONWOOD
39	12	RED CEDAR
40	8	COTTONWOOD
41	12	COTTONWOOD
42	8	POPLAR
43	8	WHITE PINE
44	8	WHITE PINE
45	16	POPLAR-5 TRUNKS
46	10	RED CEDAR
47	12	RED CEDAR
48	10	WHITE PINE
49	12	HAWTHORN
50	10	WHITE PINE
51	10	CRABAPPLE
52	14	POPLAR
53	14	CRABAPPLE
54	10	RED CEDAR
55	10	CRABAPPLE
56	14	COTTONWOOD
57	10-28	COTTONWOOD GROVE - 9 TREES
58	8	COTTONWOOD
59	8	COTTONWOOD
60	8	COTTONWOOD
61	8	BLACK CHERRY
62	8	COTTONWOOD
63	10	RED MAPLE
64	14	MOUNTAIN ASH
65	10	BLACK CHERRY
66	14	POPLAR
67	10	RED CEDAR
68	12	POPLAR
69	7	SPRUCE
70	12	RED PINE
71	12	RED PINE
72	7	POPLAR
73	10	HORSECHESTNUT
74	8	HORSECHESTNUT
75	8	CRABAPPLE
76	14	POPLAR
77	10	RED CEDAR
78	10	BUCKTHORN
79	8	BUCKTHORN
80	7	COTTONWOOD
81	14	RED OAK
82	7	RED OAK
83	16	RED OAK
84	16	RED OAK
85	8	BLACK CHERRY
86	16	RED OAK
87	12	RED OAK
88	12	RED OAK
89	16	RED OAK
90	14	BLACK CHERRY
91	14	SHAGBARK HICKORY

TREE SCHEDULE

"T" NO.	DIA. (IN)	TYPE
92	12	HAWTHORN
93	8	BUCKTHORN
94	18	CRABAPPLE
95	14	SHAGBARK HICKORY
96	8	POPLAR
97	24	BOX ELDER
98	10	ASH
99	12	BUCKTHORN
100	12	CRABAPPLE
101	10	CRABAPPLE
102	16	POPLAR
103	7	WHITE PINE
104	7	WHITE PINE
105	7	RED PINE
106	7	RED PINE
107	6	JACK PINE
108	8	BUCKTHORN
109	8	RED MAPLE
110	40	POPLAR
111	18	COTTONWOOD
112	16	VIBURNUM
113	8	COTTONWOOD
114	16	COTTONWOOD
115	40	POPLAR
116	18	COTTONWOOD
117	16	COTTONWOOD
118	20	POPLAR
119	10	WILLOW
120	16	POPLAR
121	16	POPLAR
122	10	POPLAR
123	8	HAWTHORN
124	8	HAWTHORN
125	10	HAWTHORN
126	14	POPLAR
127	10	POPLAR
128	8	HAWTHORN
129	10	HAWTHORN
130	10	HAWTHORN
131	10	HAWTHORN
132	16	HAWTHORN
133	16	POPLAR
134	10	HAWTHORN
135	18	POPLAR
136	12	HAWTHORN
137	8	HAWTHORN
138	12	POPLAR
139	12	POPLAR
140	10	HAWTHORN
141	10	HAWTHORN
142	10	HAWTHORN
143	8	HAWTHORN
144	14	HAWTHORN
145	10	HAWTHORN
146	14	HAWTHORN
147	12	BLACK CHERRY
148	12	BOX ELDER
149	12	BOX ELDER
150	12	PAPER BIRCH
151	12	JACK PINE
152	10	JACK PINE
153	10	JACK PINE
154	14	JACK PINE
155	14	PAPER BIRCH
156	14	YELLOW BIRCH
157	12	POPLAR
159	12	RED PINE
160	12	RED PINE
161	10	BITTERNUT HICKORY
162	10	PAPER BIRCH
163	10	BOX ELDER
164	16	SILVER MAPLE
165	16	BOX ELDER
166	10	BLACK CHERRY
167	36	POPLAR
168	10	WHITE PINE
169	32	WHITE PINE
170	10	WHITE PINE
171	10	WHITE PINE
172	10	WHITE PINE
173	30	WHITE PINE
174	24	WHITE PINE
175	24	WHITE PINE
176	24	HAWTHORN
177	14	BLACK LOCUST
178	10	ELM
179	48	BLACK LOCUST
180	24	POPLAR
181	8	BLACK LOCUST
182	30	POPLAR
183	24	BOX ELDER
184	24	BOX ELDER

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Forest Park Middle School

8225 W Forest Hill Ave, Franklin, WI 53132

Mitigation Plan

Revisions

14 JUNE, 2017 - ADDENDUM #1

28 JUNE, 2017 - PLANNING COMMISSION SUBMITTAL

Date: 22 MAY 2017

Job No.: 150178-02

Sheet No.: C112

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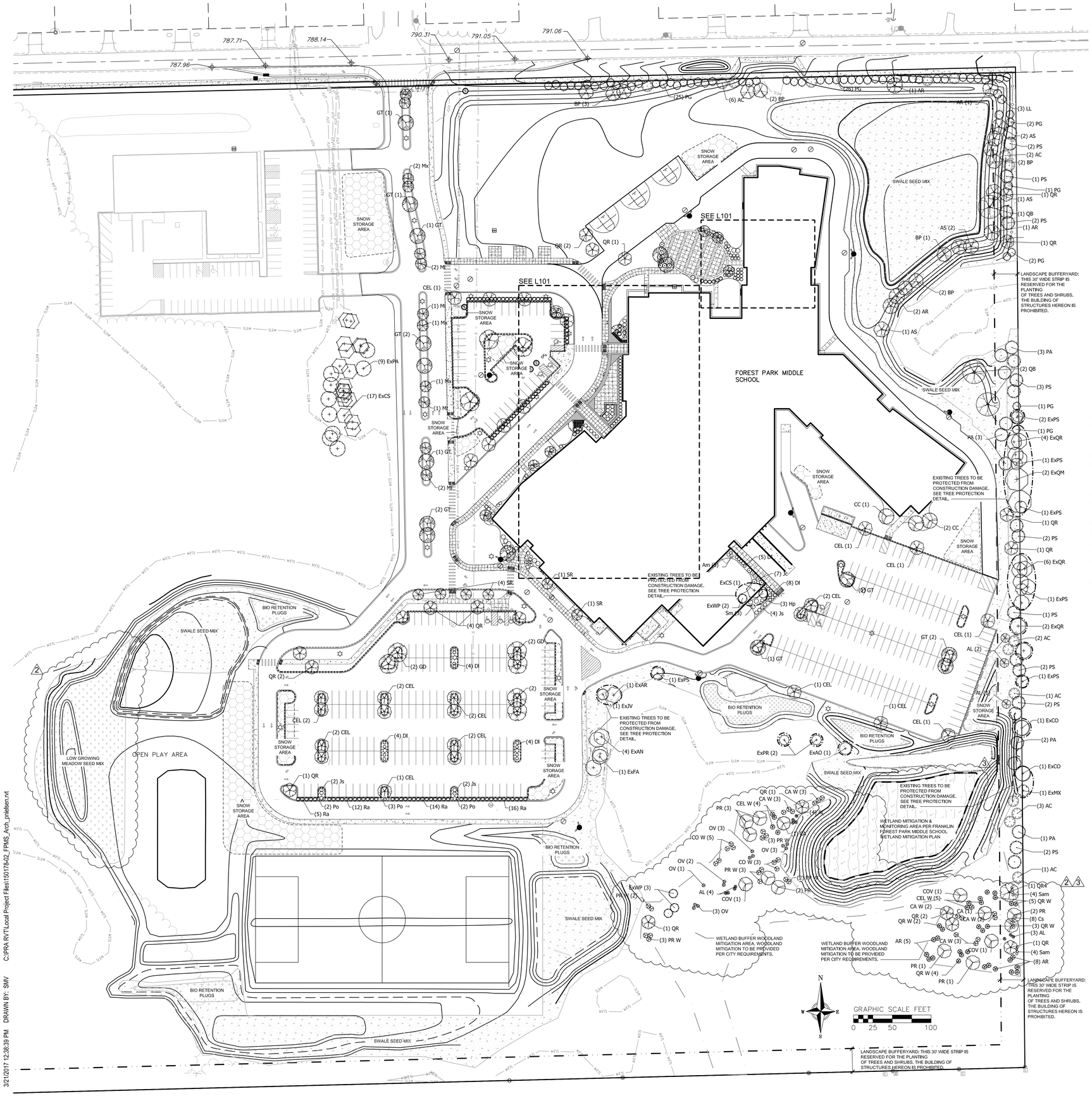

PLANT SCHEDULE SITE

CONIFERS	BOTANICAL NAME / COMMON NAME	CONT	CAL	SIZE	QTY
AC	Abies concolor / White Fir	B & B		5` ht.	15
LL	Larix laricina / Tamarack	B & B		6` ht.	3
PA	Picea abies / Norway Spruce	B & B		5` ht.	9
PG	Picea glauca / White Spruce	B & B		5` ht.	58
PS	Pinus strobus / White Pine	B & B		6` ht.	17

DECIDUOUS TREES	BOTANICAL NAME / COMMON NAME	CONT	CAL	SIZE	QTY
AR	Acer rubrum / Red Maple	B & B	2.5"Cal		5
AS	Acer saccharum `Bailsta` TM / Fall Fiesta Sugar Maple	B & B	2.5"Cal		6
BP	Betula papyrifera `Renci` TM / Renaissance Reflection Paper Birch	B & B		7` ht. multi stem	10
CEL	Celtis occidentalis / Common Hackberry	B & B	2.5"Cal		28
GT	Gleditsia triacanthos inermis `Shademaster` TM / Shademaster Locust	B & B	2.5"Cal		15
GD	Gymnocladus dioica `Espresso` / Kentucky Coffeetree	B & B	2.5"Cal		9
QB	Quercus bicolor / Swamp White Oak	B & B	2.5"Cal		3
QR	Quercus rubra / Red Oak	B & B	2.5"Cal		14

EXISTING TREES	BOTANICAL NAME / COMMON NAME	CONT	CAL	SIZE	QTY
ExAN	Acer negundo / Box Elder	Existing			4
ExAR	Acer rubrum / Red Maple	Existing			1
ExAO	Aesculus octandra / Yellow Buckeye	Existing			1
ExCO	Carya ovata / Shagbark Hickory	Existing			2
ExCS	Crataegus sp / Hawthorn	Existing			18
ExFA	Fraxinus americana / White Ash	Existing			1
ExJV	Juniperus virginiana / Eastern Red Cedar	Existing			1
ExMX	Malus x / Crabapple	Existing			1
ExPR	Pinus resinosa / Red Pine	Existing			2
ExWP	Pinus strobus / White Pine	Existing			2
ExPA	Populus alba / White Poplar	Existing			9
ExPS	Prunus serotina / Wild Black Cherry	Existing			7
ExQM	Quercus macrocarpa / Burr Oak	Existing			2
ExQR	Quercus rubra / Red Oak	Existing			12

ORNAMENTAL TREES	BOTANICAL NAME / COMMON NAME	CONT	CAL	SIZE	QTY
AL	Amelanchier laevis / Allegheny Serviceberry	B & B		6` ht. multi stem	3
CC	Crataegus crus-galli `Inermis` / Thornless Hawthorn	B & B	1.5"Cal		5
MI	Malus loensis `Prairie Rose` / Prairie Rose Crabapple	B & B	1.5"Cal		11
Mx	Malus x `Spring Snow` / Spring Snow Crab Apple	B & B	1.5"Cal		7
SR	Syringa reticulata `Ivory Silk` / Ivory Silk Japanese Tree Lilac	B & B	1.5"Cal		6

SHRUBS	BOTANICAL NAME / COMMON NAME	SIZE	FIELD2	FIELD3	QTY
Am	Aronia melanocarpa elata / Glossy Black Chokeberry	5 gal	Cont		6
DI	Diervilla lonicera / Dwarf Bush Honeysuckle	3 gal	Cont		70
Hp	Hydrangea paniculata `Jane` / Little Lime Hydrangea	3 gal	Cont		11
Po	Physocarpus opulifollus `Donna May` / Donna May Ninebark	3 gal			11
Ra	Rhus aromatica `Gro-Low` / Gro-Low Fragrant Sumac	3 gal			111
Sm	Syringa meyeri `Palibin` / Dwarf Korean Lilac	10 gal	Cont		12
Vd	Viburnum dentatum `KLMseventeen` TM / Little Joe	5 gal			4

ANNUALS/PERENNIALS	BOTANICAL NAME / COMMON NAME	SIZE	FIELD2	FIELD3	QTY
hem	Hemerocallis x `Happy Returns` / Happy Returns Daylilly	1 gal	Cont		54

EVERGREEN SHRUB	BOTANICAL NAME / COMMON NAME	SIZE	FIELD2	FIELD3	QTY
Jc	Juniperus chinensis `Kallays Compact` / Kallay Compact Pfitzer Juniper	5 gal	Cont		21
Js	Juniperus sabina `Buffalo` / Buffalo Juniper	3 gal	Cont		62

PLANT SCHEDULE BUFFER MITIGATION

DECIDUOUS TREES	BOTANICAL NAME / COMMON NAME	CONT	CAL	SIZE	FIELD4	QTY
AR	Acer rubrum / Red Maple	10 gal		5` ht.	Whip	13
CA W	Carya cordiformis / Bitternut Hickory	10 gal		5` ht.	Whip	13
CA	Carya cordiformis / Bitternut Hickory	B & B	2.5"Cal			2
COV	Carya ovata / Shagbark Hickory	B & B	2.5"Cal			3
CO W	Carya ovata / Shagbark Hickory	B & B		5` ht.	Whip	8
CEL W	Celtis occidentalis / Common Hackberry	10 gal		5` ht.	Whip	9
PR W	Prunus serotina / Wild Black Cherry	10 gal		5` ht.	Whip	13
PR	Prunus serotina / Wild Black Cherry	B & B	2.5"Cal			9
QR W	Quercus rubra / Red Oak	10 gal		5` ht.	Whip	14
QR	Quercus rubra / Red Oak	B & B	2.5"Cal			5
QR4	Quercus rubra / Red Oak	B & B	4"Cal			1

EXISTING TREES	BOTANICAL NAME / COMMON NAME	CONT	CAL	SIZE	FIELD4	QTY
ExWP	Pinus strobus / White Pine	Existing				3

ORNAMENTAL TREES	BOTANICAL NAME / COMMON NAME	CONT	CAL	SIZE	FIELD4	QTY
AL	Amelanchier laevis / Allegheny Serviceberry	10 gal		5` ht.	Whip	11
OV	Ostrya virginiana / American Hophornbeam	10 gal		5` ht.	Whip	12

SHRUBS	BOTANICAL NAME / COMMON NAME	SIZE	FIELD2	FIELD3	QTY
Cs	Cornus sericea / Red Twig Dogwood	2 gal	12" ht.		8
Sam	Sambucus canadensis / Elderberry	2 gal	12" ht.		8

BUFFER MITIGATION REQUIREMENTS:
TOTAL AREA: 1.1 AC

REQUIRED PLANTINGS:
4" CAL. CANOPY TREES: 11
2.5" CAL. CANOPY TREES: 28
5' HT. WHIP CAN. TREES: 110

5' HT. WHIP UNDERSTORY TREES: 39

12" HT. SHRUBS: 33

PLUG SCHEDULE

BIO RETENTION BASIN PLUG PLANTING	10,412 sf
Asclepias incarnata / Swamp Milkweed	758
Carex comosa / Bottlebrush Sedge	650
Carex cristatella / Crested Oval Sedge	650
Carex lurida / Lurid Sedge	650
Coreopsis tripteris / Tall Coreopsis	758
Elymus virginicus / Virginia Wild Rye	650
Iris virginica / Blue Flag Iris	866
Liatris spicata / Spike Gayfeather	758
Lobelia cardinalis / Cardinal Flower	866
Panicum virgatum / Switch Grass	650
Rudbeckia triloba / Browneyed Susan	758
Scirpus atrovirens / Dark Green Bulrush	650
Silphium terebinthinaceum / Prairie Dock	758
Spartina pectinata / Prairie Cordgrass	650
Symphyotrichum novae-angliae / New England Aster	758

SEED SCHEDULE

SWALE SEED MIX BY CARDNO NATIVE PLANT NURSERY

STORMWATER SEED MIX BY CARDNO NATIVE PLANT NURSERY

LOW GROWING MEADOW FOR MEDIUM SOILS BY PRAIRIE NURSERY

LANDSCAPE REQUIREMENTS:
PER 5 PARKING STALLS:
CANOPY TREE: 1.2 @ 2.5" CAL
EVERGREEN: 1.2 @ 4' HT
DECORATIVE TREE: 1.2 @ 1.5" CAL
SHRUB: 1.2 @ 3' HT.

398 PARKING STALLS = 96 OF EACH PLANT TYPE REQUIRED

LANDSCAPE PROVIDED:
CANOPY TREES: 129
EVERGREEN TREES: 107
DECORATIVE TREES: 51
SHRUBS: 304

LANDSCAPE SURFACE RATIO: 0.68

LANDSCAPE PLAN PREPARED BY:
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GENERAL NOTES:
1. All plantings shall conform to quality requirements as per ANSI Z60.1.
2. All plant material shall be true to the species, variety and size specified, nursery grown in accordance with good horticultural practices, and under climactic conditions similar to those of the project site.
3. Contact Landscape Architect, in writing, to request and plant material substitutions due to availability issues.
4. All disturbed areas, unless otherwise noted, to be seeded with turf lawn seed containing 60% Kentucky Bluegrass, 30% Creeping Red Fescue, and 10% Perennial Ryegrass. All seeded areas are to be watered daily to maintain adequate soil moisture for proper germination. After vigorous growth is established, apply ½" water twice weekly until final acceptance.
5. All plants shall be guaranteed to be in healthy and flourishing condition during the growing season following installation. All plant material shall be guaranteed for two years from the time of installation.
6. Contractor shall provide a suitable amended topsoil blend for all planting areas where soil conditions are unsuitable for plant growth. Topsoil shall conform to quality requirements as per Section 625.2(1) of the Standard Specifications for Highway Construction. Provide a minimum of 12" of topsoil in all planting areas and 6" of topsoil in areas to be seeded/sodded.
7. Landscape beds and parking lot islands to be mulched with undyed shredded hardwood bark mulch to 3" depth min. Edge beds with commercial grade steel edging.
8. Landscape Bufferyard area is reserved for the planting of trees and shrubs; the building of structures hereon is prohibited.
9. Seed any construction site areas to remain bare for a period of 7 days or longer with temporary cover crop, annual rye or similar. Irrigate regularly to establish germination and vigorous growth suitable for preventing erosion due to wind or water. Cultivate cover crop into soil at least one week prior to final seeding.
10. Irrigation: School maintenance department will irrigate and maintain plantings based on nursery recommendations.
11. Seed disturbed areas within Wetland Buffer Mitigation Area with Woodland Edge/Savanna Seed Mix for Medium Soils by Prairie Nursery, per manufacturer specified application rates.
12. Provide erosion control matting on all slopes exceeding 10:1 as indicated within note #7 on the Erosion Control Plan.

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Forest Park Middle School
8225 W Forest Hill Ave, Franklin, WI 53132
LANDSCAPE PLAN

Revisions
1. 6.12.2017 CITY COMMENTS
2. 6.13.2017 BUFFER MITIGATION
3. 6.28.2017 PC SUBMITTAL

Date: 28 JUN 2017
Job No.: 150178-02
Sheet No.: L100

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