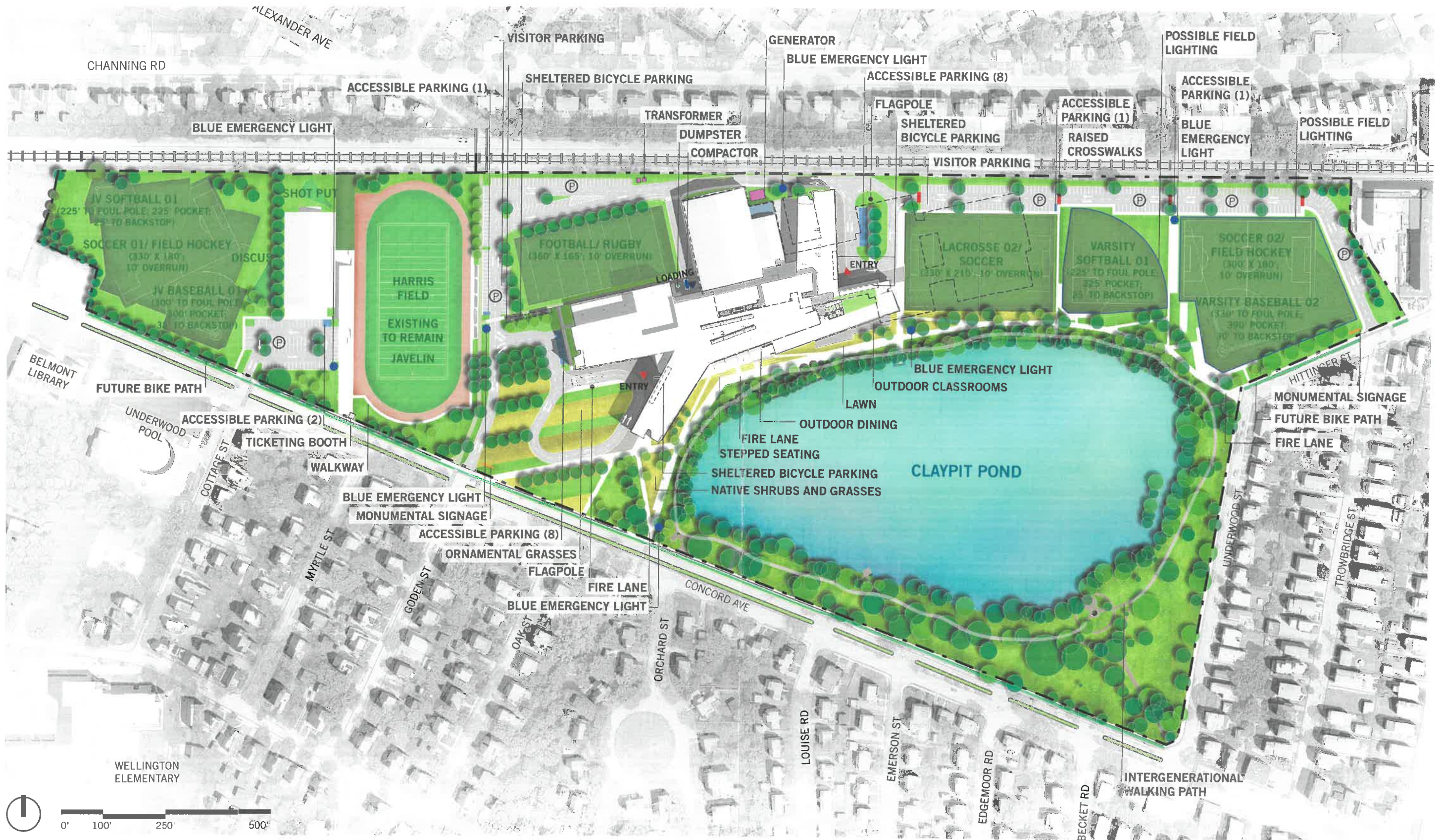


BELMONT HIGH SCHOOL PLANNING BOARD MEETING

APRIL, 4 2019



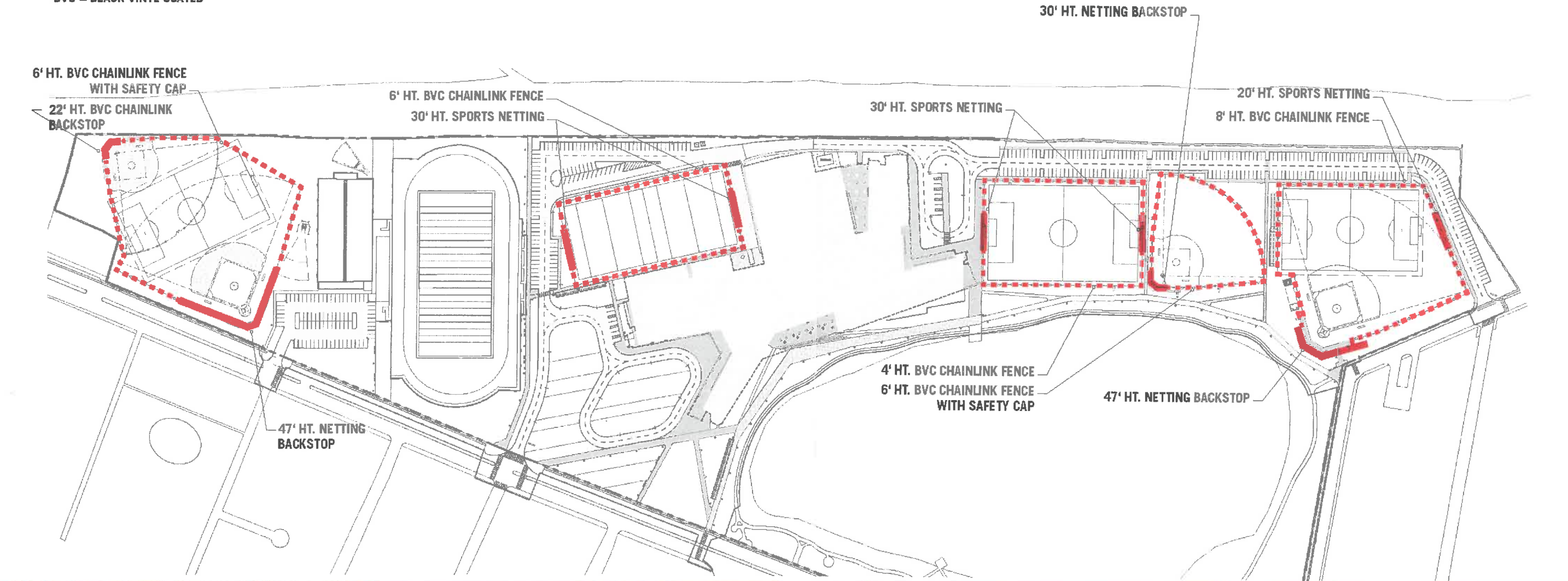
ILLUSTRATIVE SITE PLAN

APRIL 4, 2019

FENCING / FIELDS

PROPOSED SPORTS NETTING & FENCING

BVC = BLACK VINYL COATED



FENCING/ FIELDS

APRIL 4, 2019

VARSITY BASEBALL FIELD/ BRICKS, STANDS, GATEWAY

BRENDAN GRANT MEMORIAL FIELD

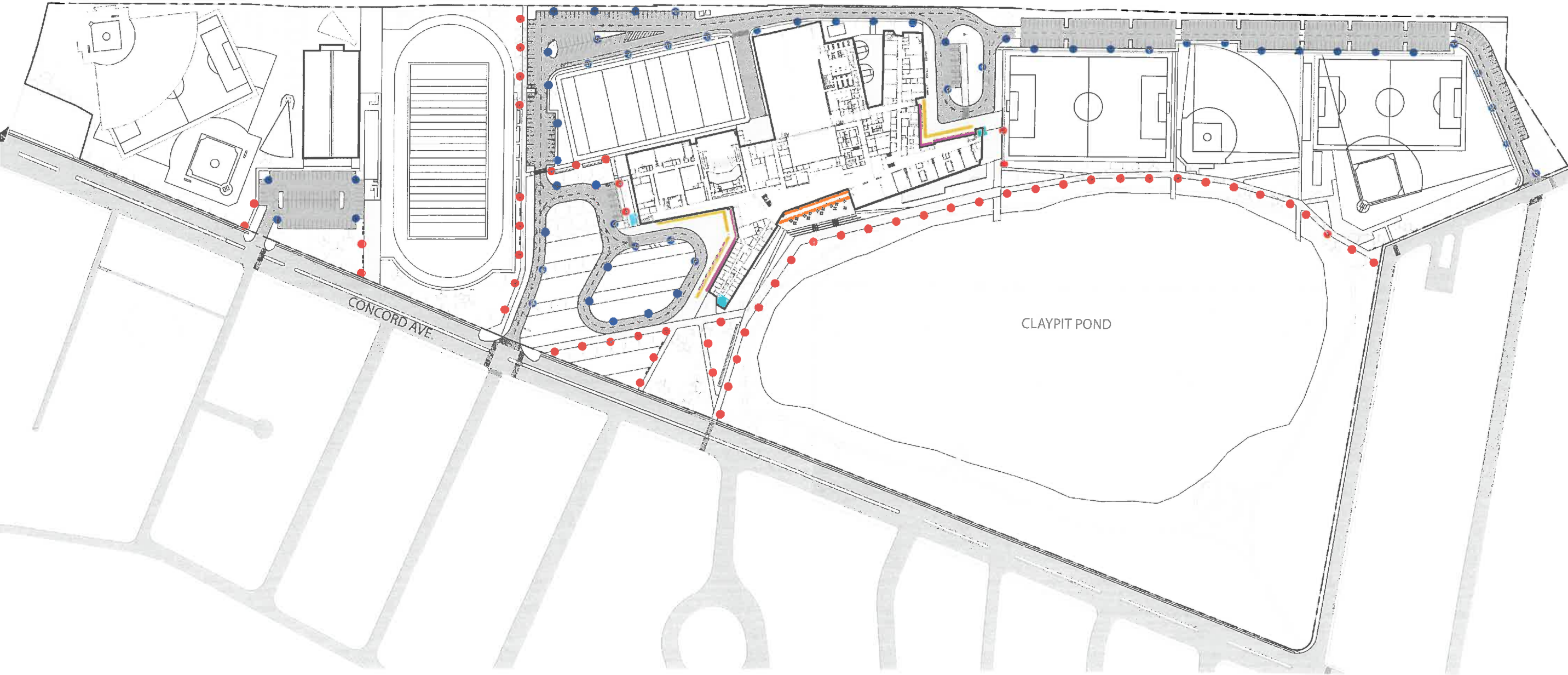


Varsity Baseball Field/ Bricks, Stands, Gateway

SITE LIGHTING

CONSOLIDATED LIGHTING PLAN

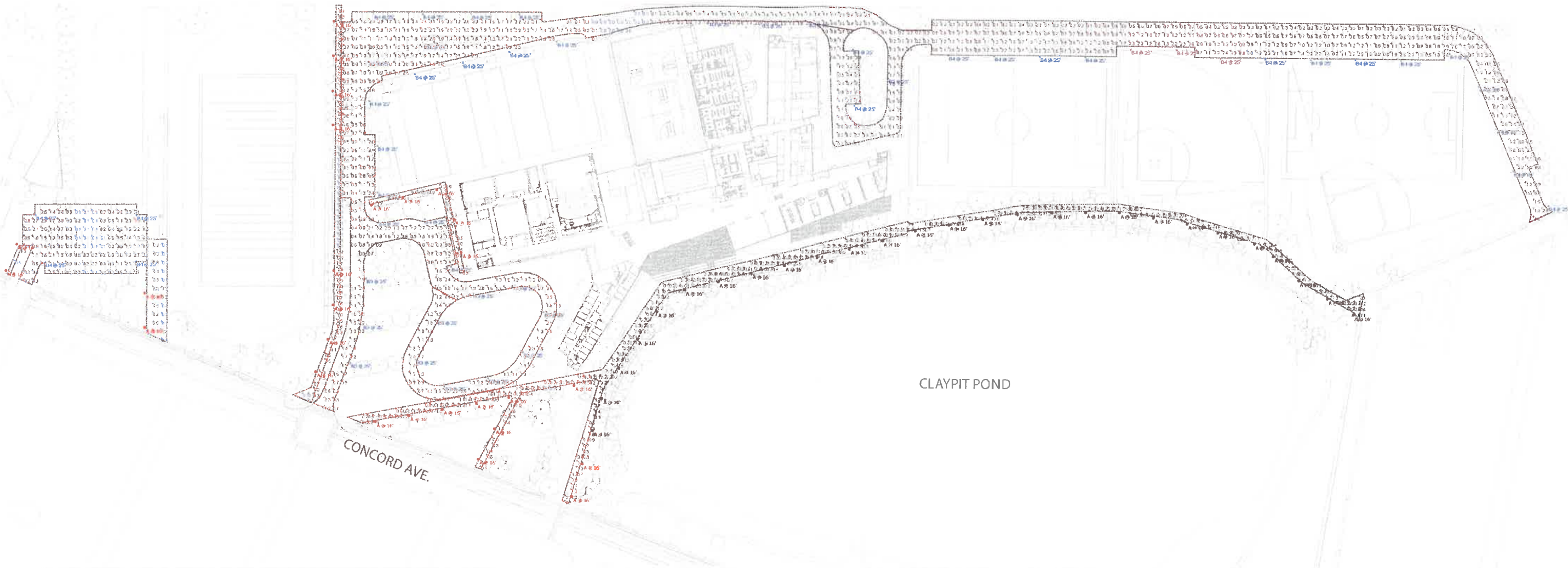
- Legend
- Pedestrian lights
 - Street lights
 - Ceiling Uplights
 - Recessed Downlight
 - Surface Mounted Cove Lighting
 - Surface mounted Linear Grazer (Stairs Glow)



SITE LIGHTING

APRIL 4, 2019

PHOTOMETRICS PLAN

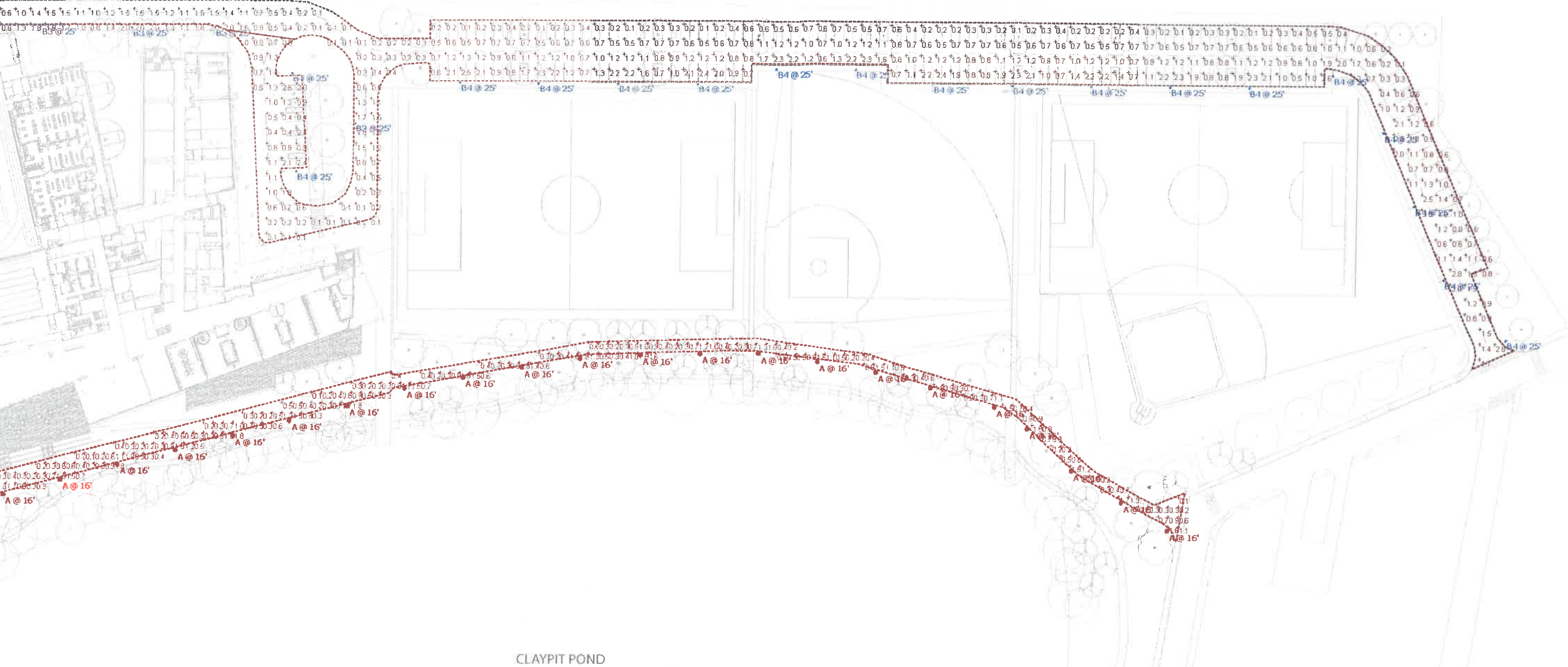


Schedule	Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
		A	54	LIGMAN	LL-20002-W40	Lakuna 3 post top luminaires (Dark sky)	1 COB LED 4000K 0.3781,0.3747 4051K Ra84	1	LL-20002-W40.IES	2270	0.92	47.6
		B4	36	LIGMAN	USE-90001-T4-W40	Steamer rectangular shape medium wall luminaires	3x3LED 4000K	3	USE-90001-T4-W40.IES	2629	0.92	81
		B3	15	LIGMAN	USE-90001-T3-W40	Steamer rectangular shape medium wall luminaires	3x3LED 4000K	3	USE-90001-T3-W40.IES	2581	0.92	80.9
		B5	2	LIGMAN	USE-90001-T5-W40	Steamer rectangular shape medium wall luminaires	3x3LED 4000K	3	USE-90001-T5-W40.IES	2667	0.92	81

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
#2 SIDEWALK RUGBY FIELD		1.2 fc	4.1 fc	0.4 fc	10.3:1	3.0:1
PARKING HARRIS FIELD		1.0 fc	3.3 fc	0.1 fc	33.0:1	10.0:1
ROADWAY PARKING		1.1 fc	3.4 fc	0.0 fc	N/A	N/A
SIDE ROAD HARRIS FIELD		0.3 fc	0.9 fc	0.1 fc	9.0:1	3.0:1
SIDEWALK HARRIS FIELD		1.3 fc	1.8 fc	0.5 fc	3.6:1	2.6:1
SIDEWALK POND		0.7 fc	2.5 fc	0.1 fc	25.0:1	7.0:1
SIDEWALK RUGBY FIELD		0.7 fc	1.9 fc	0.1 fc	19.0:1	7.0:1

PHOTOMETRICS PLAN - EAST



SITE LIGHTING

APRIL 4, 2019

PHOTOMETRICS PLAN - WEST



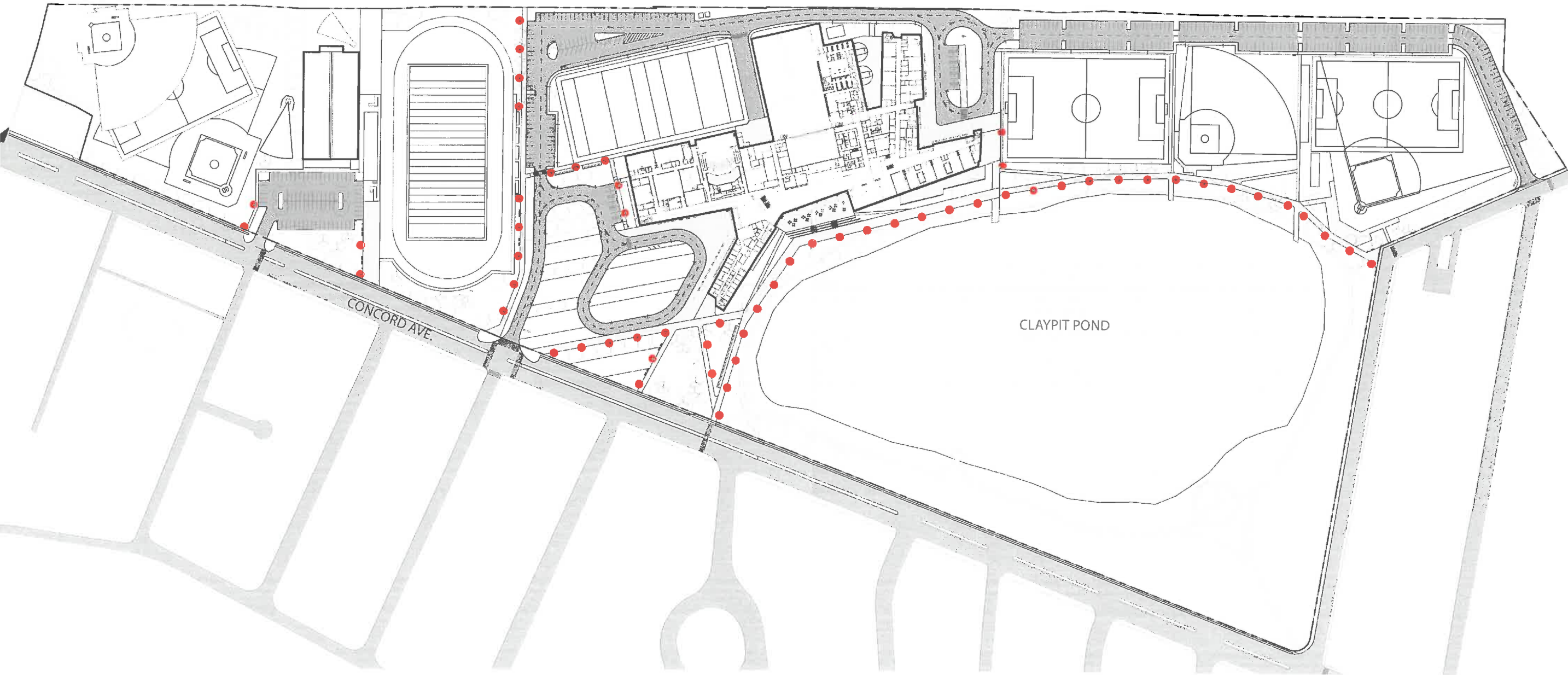
SITE LIGHTING

APRIL 4, 2019

PLANNING BOARD MEETING

PEDESTRIAN LIGHTS

PEDESTRIAN LIGHTS: 59 TOTAL



PEDESTRIAN LIGHTS LOCATION

APRIL 4, 2019

PUREFORM PPT

Family: PureForm

Model: PPT

Manufacturer: Signify/ Philips

Pole height: 10'-20'

Spacing: 6xHM = 72'

Finish: Dark gray/ Medium gray

Color temperature: Direct amber -
2700K - 3000K - 4000K - 5000K

LED distribution type: 1, 3, 5

BUG rating: B1-U0-G1

Frosted lense: Frosted edge

Lumen output: 2421

Total Watts: 22, 30, 52, 75, 96

Material: Die-cast aluminum

Cost: \$2,800 (12' pole height.
Includes freight but does not include
contractor markup or installation)

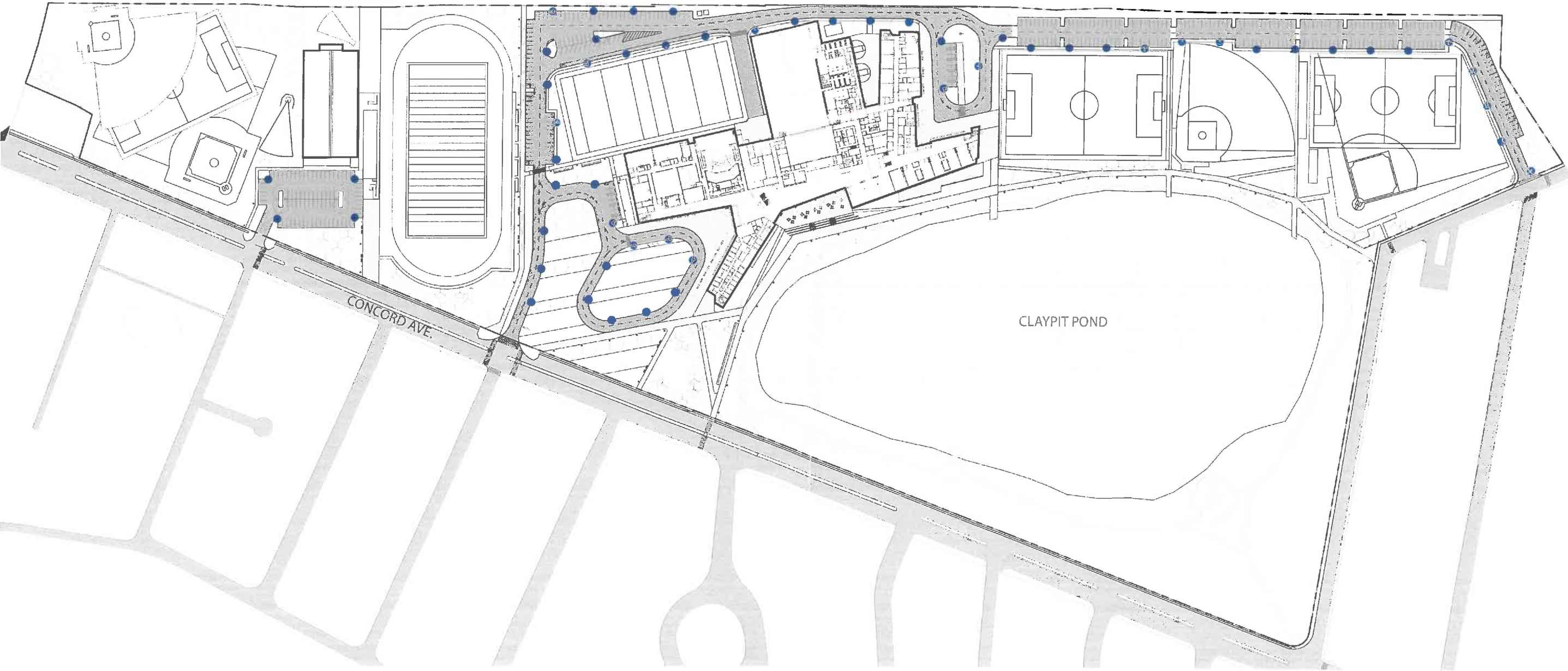


PEDESTRIAN LIGHTS

APRIL 4, 2019

STREET LIGHTS

STREET LIGHTS: 56 TOTAL



STREET LIGHTS LOCATION

PUREFORM P26

Family: PureForm

Model: P26

Manufacturer: Signify/ Gardco

Pole height: 8', 10', 12', 15', 18', 20', 25', 28', 30'

Spacing:

Finish: Black, Dark gray, Medium gray

Color temperature: 2700K - 3000K - 4000K - 5000K

LED distribution type: 2, 3, 4, 5

BUG rating: B2-U0-G2

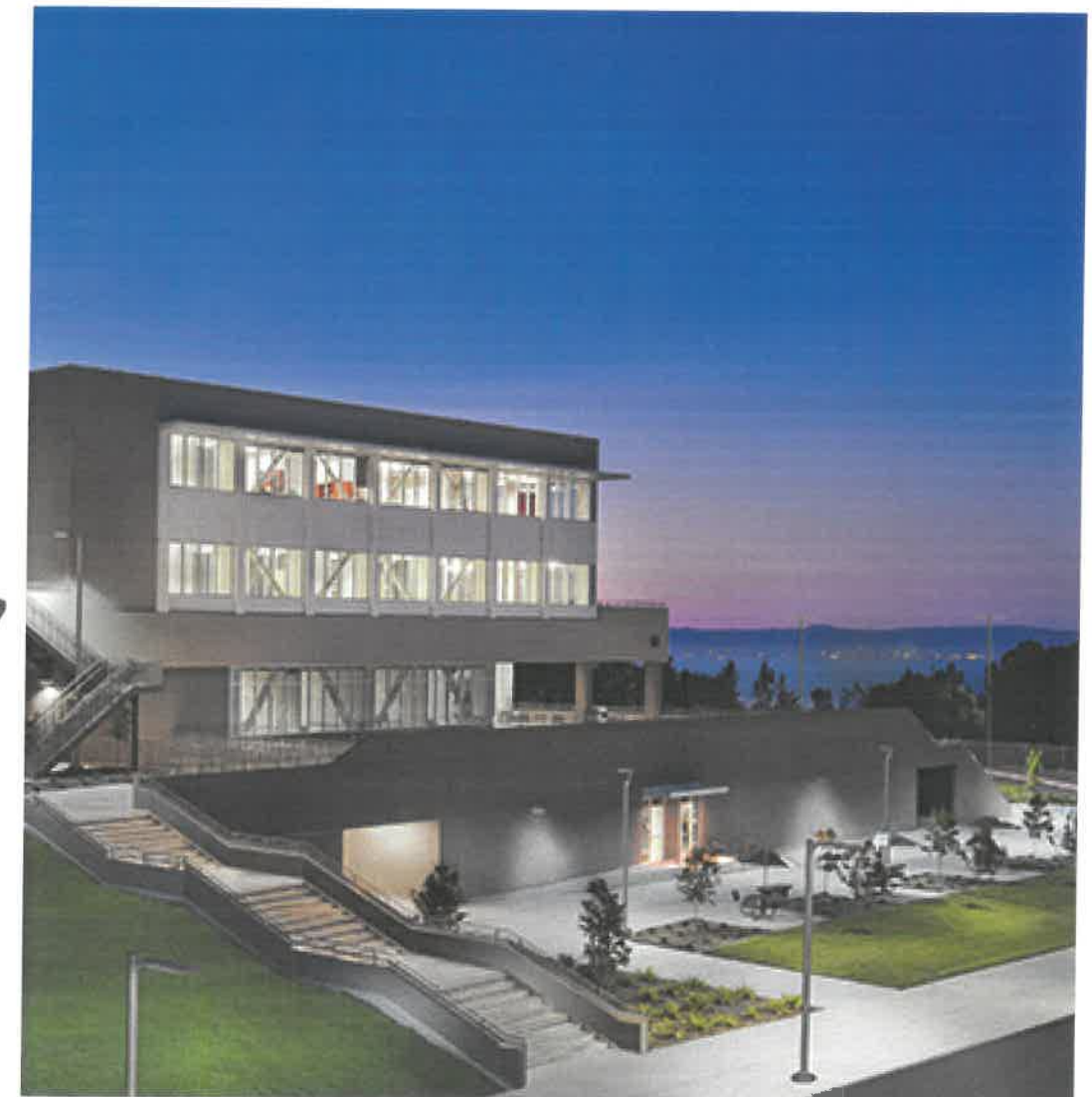
Frosted lense: Yes

Lumen output: 8,509

Total Watts: 60, 74, 89, 101, 114, 133, 153, 169, 192, 219

Material: Die-cast aluminum

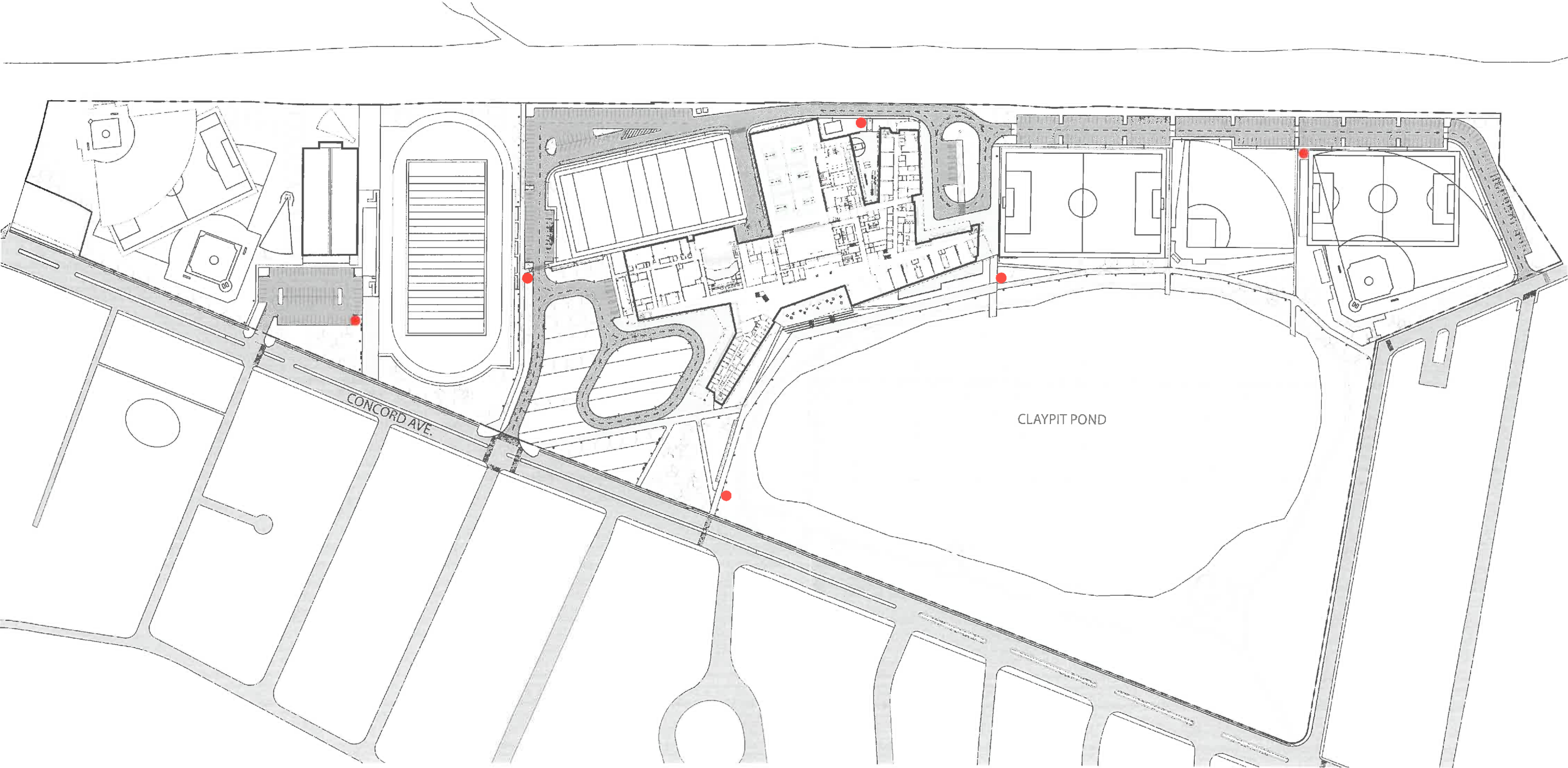
Cost: \$4,500 (25' pole, 3'-6" arm)



STREET LIGHTS

APRIL 4, 2019

EMERGENCY BLUE LIGHT PHONE: 6 TOTAL



EMERGENCY BLUE LIGHT PHONE LOCATION



CB 1-S SIGNATURE HELP POINT

EMERGENCY BLUE LIGHT PHONE

APRIL 4, 2019

FAMILY	MODEL	MANUFACTURER	POLE HEIGHT	SPACING	FINISH	MATERIAL	FROSTED LENS	COLOR TEMPERATURE	DISTRIBUTION TYPE	BUG RATING	LUMEN OUTPUT	WATTS	COST
PEDESTRIAN													
PureForm	PPT	Signify/ Philips	10'-20'		Blk, Medium Gray, Dark gray	Die-cast alum.	Frosted edge	3000K - 4000K - 5000K - 2700K	1, 3, 5	B1-U0-G1	2,421	22, 30, 52, 75, 96	\$2,800 (12' pole, freight inc.)
STREET													
Pureform	P26	Signify/ Gardco	8'-30'		Blk, Medium Gray, Dark gray	Die-cast alum.	Yes	3000K - 4000K - 5000K - 2700K	2, 3, 4, 5	B2-U0-G2	8,509	60, 74, 89, 101, 114, 133, 153, 169, 192, 219	\$4,500 (25' POLE, 3'6" ARM)



PPT



P26

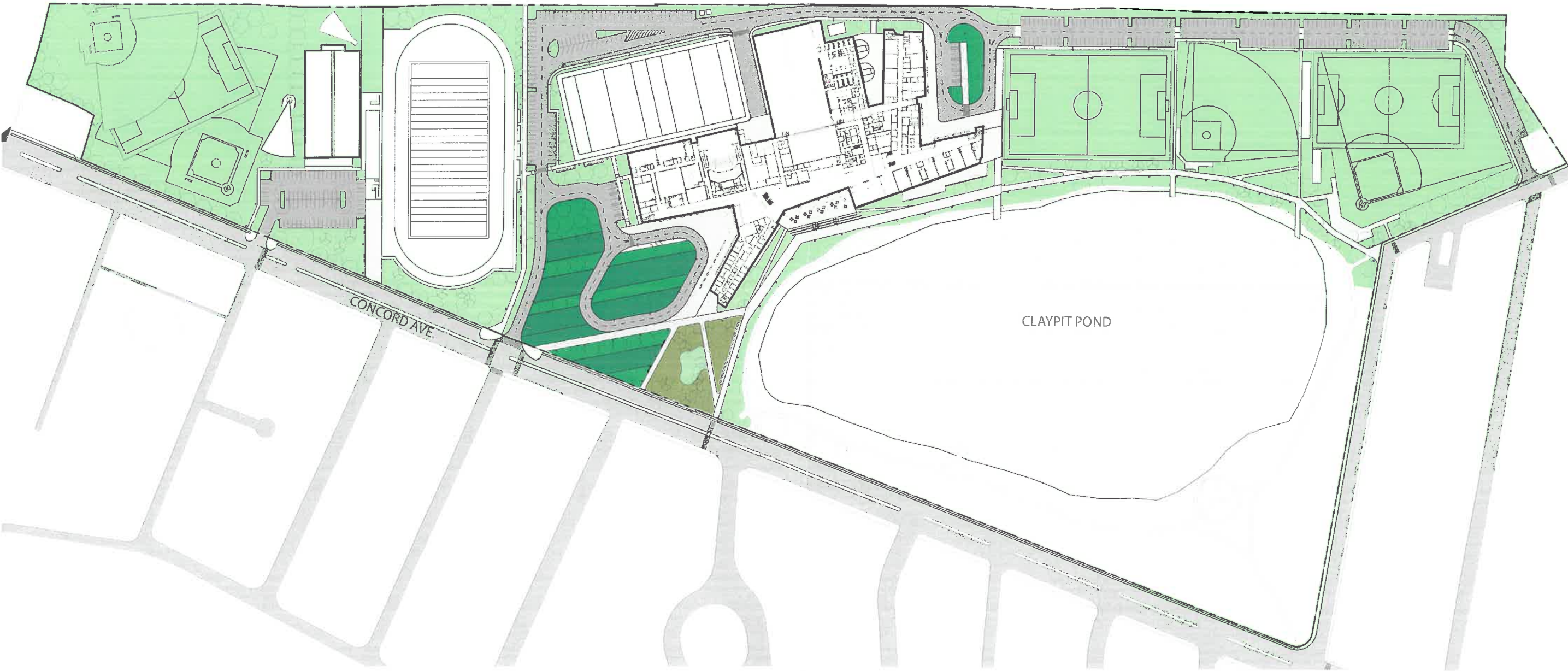
FIXTURE COMPARISON

APRIL 4, 2019

PLANTING PALETTE

SHRUBS, GRASSES AND GROUNDCOVERS

- Legend
- Park
 - Grasses
 - Groundcovers
 - Lawn

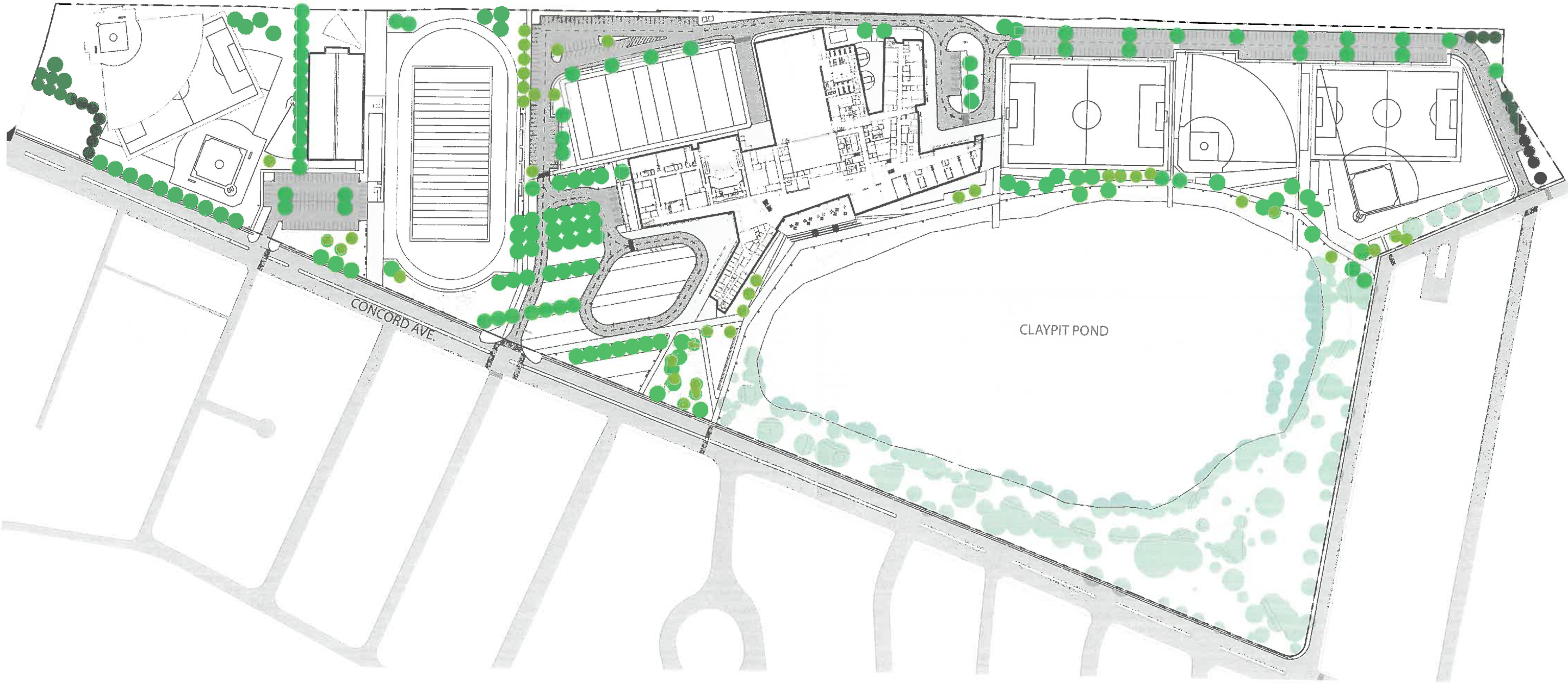


PLANTING PALETTE

APRIL 4, 2019

OVERALL TREE TYPES

- Legend
- Evergreen Trees
 - Deciduous Canopy Trees
 - Flowering Trees
 - Existing Trees

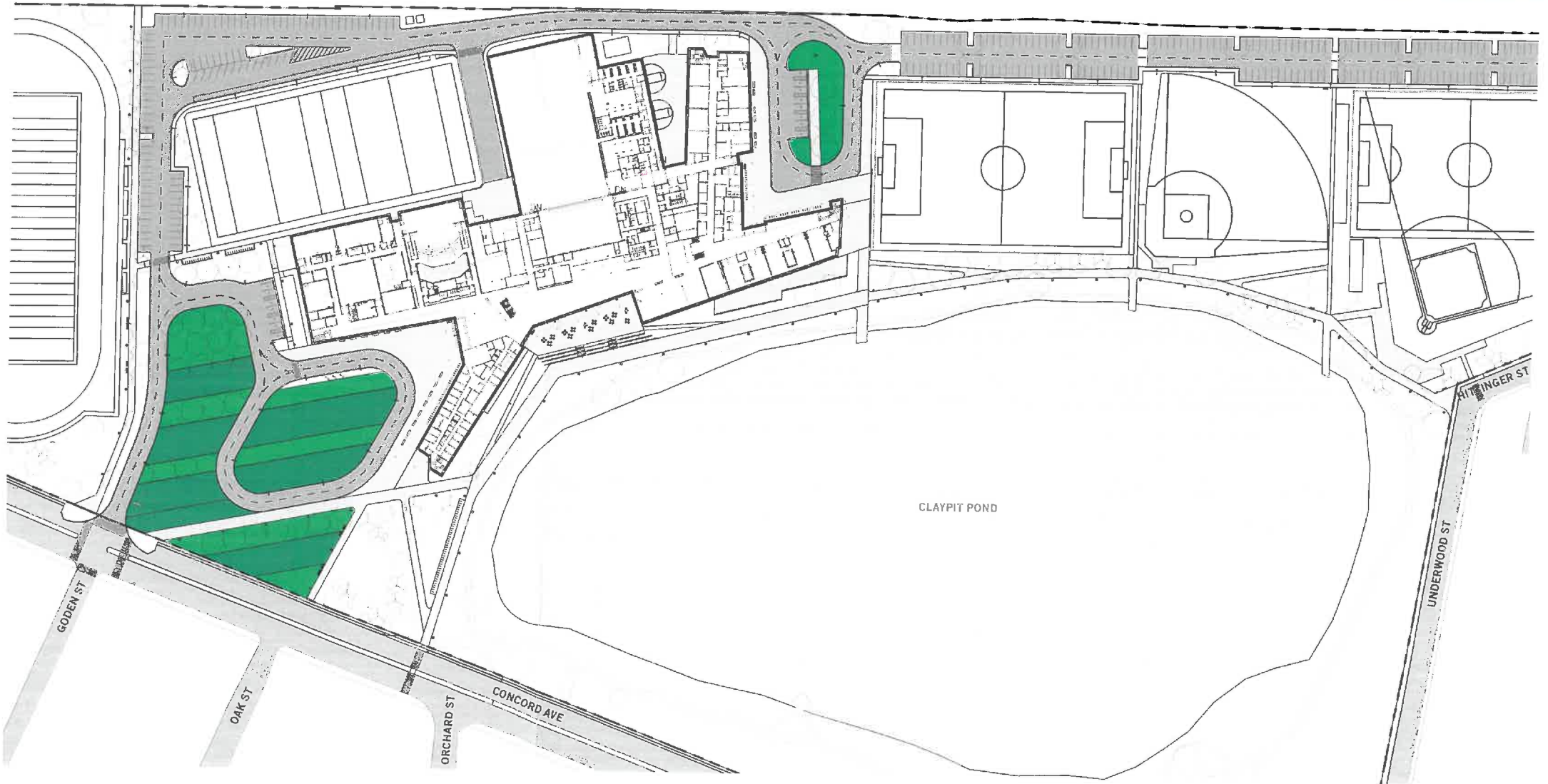


PLANTING PALETTE
APRIL 4, 2019

GROUNDCOVERS/ GRASSES

Scientific name: Liriope spicata
Common name: Lilyturf
Height: 12"-18"

Scientific name: Sporobolus heterolepsis
Common name: Prairie Dropseed
Height: 2'-3'

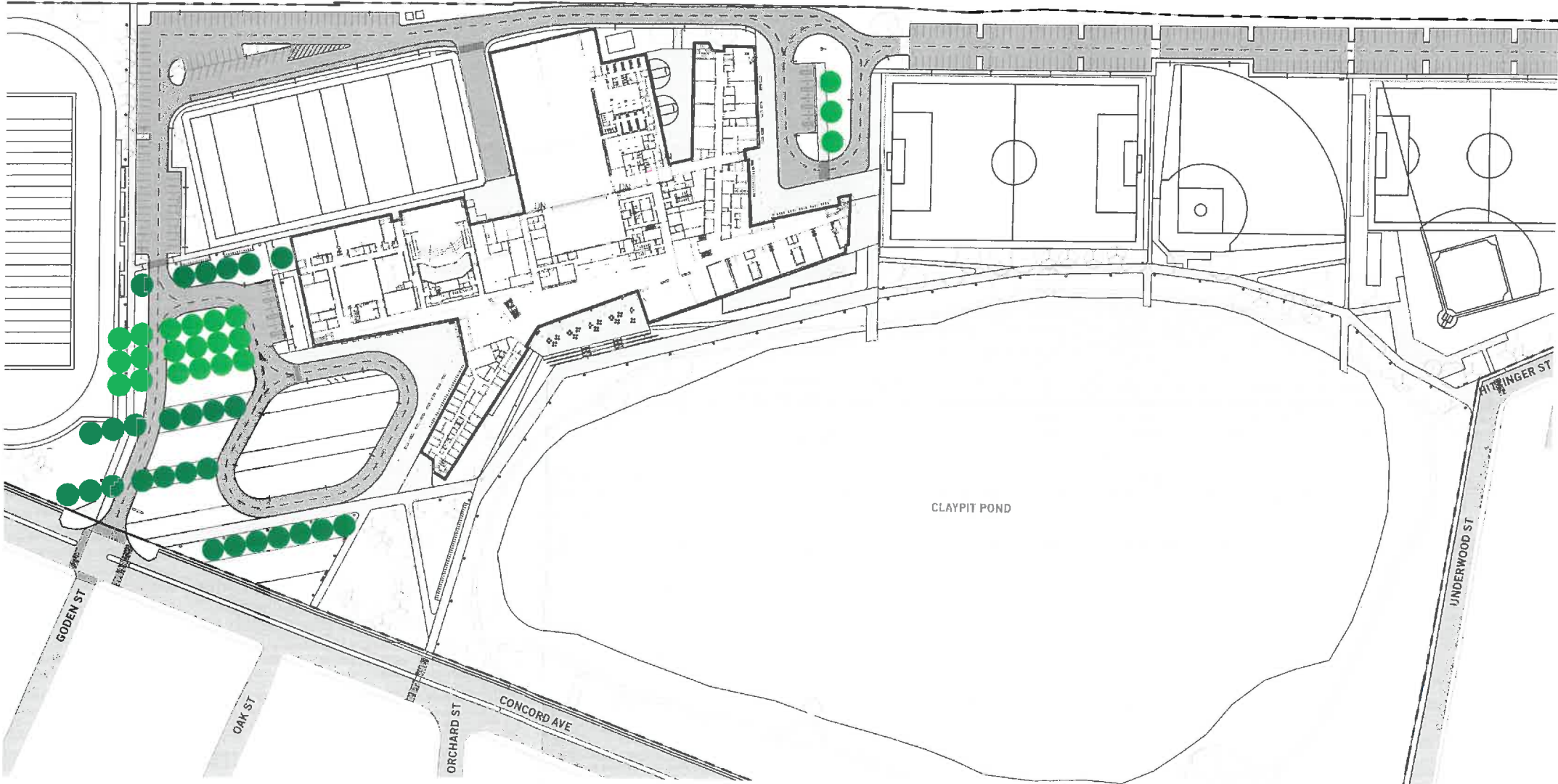
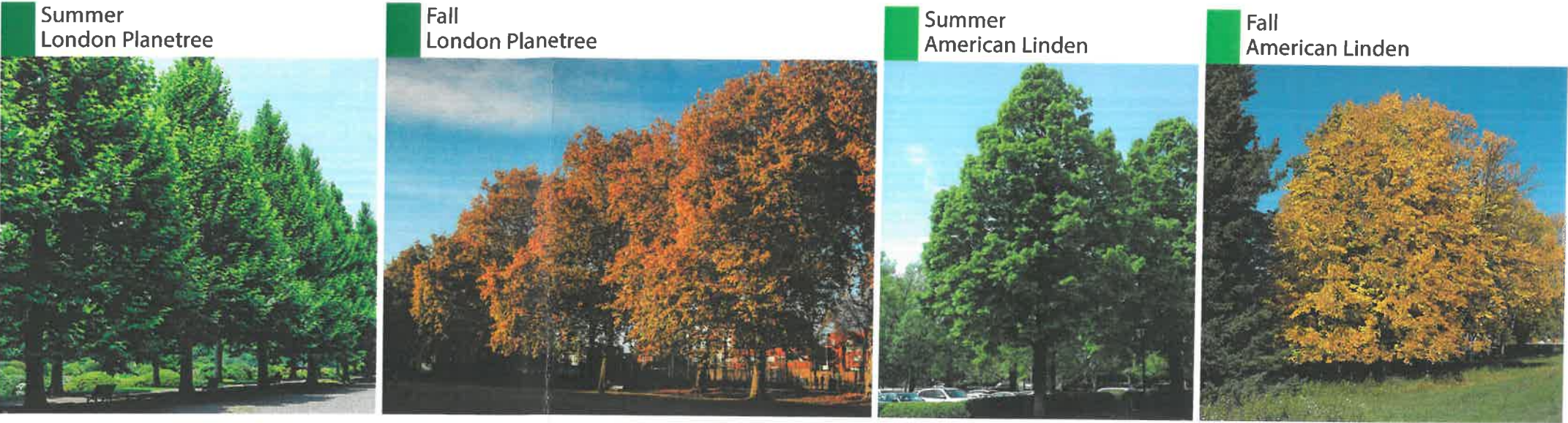


PLANTING PALETTE
APRIL 4, 2019

TREES

Scientific name: Platanus x acerifolia
Common name: London Planetree
Height: 60'

Scientific name: Tilia americana
Common name: American Linden
Height: 60'



- Legend
- Deciduous Canopy Trees London Planetree
 - Deciduous Canopy Trees American Linden

SHRUBS/ GRASSES

30% Panicum virgatum shenandoah
- Switchgrass

Height: 3'

15% Ceanothus americanus - New
Jersey Tea

Height: 3'

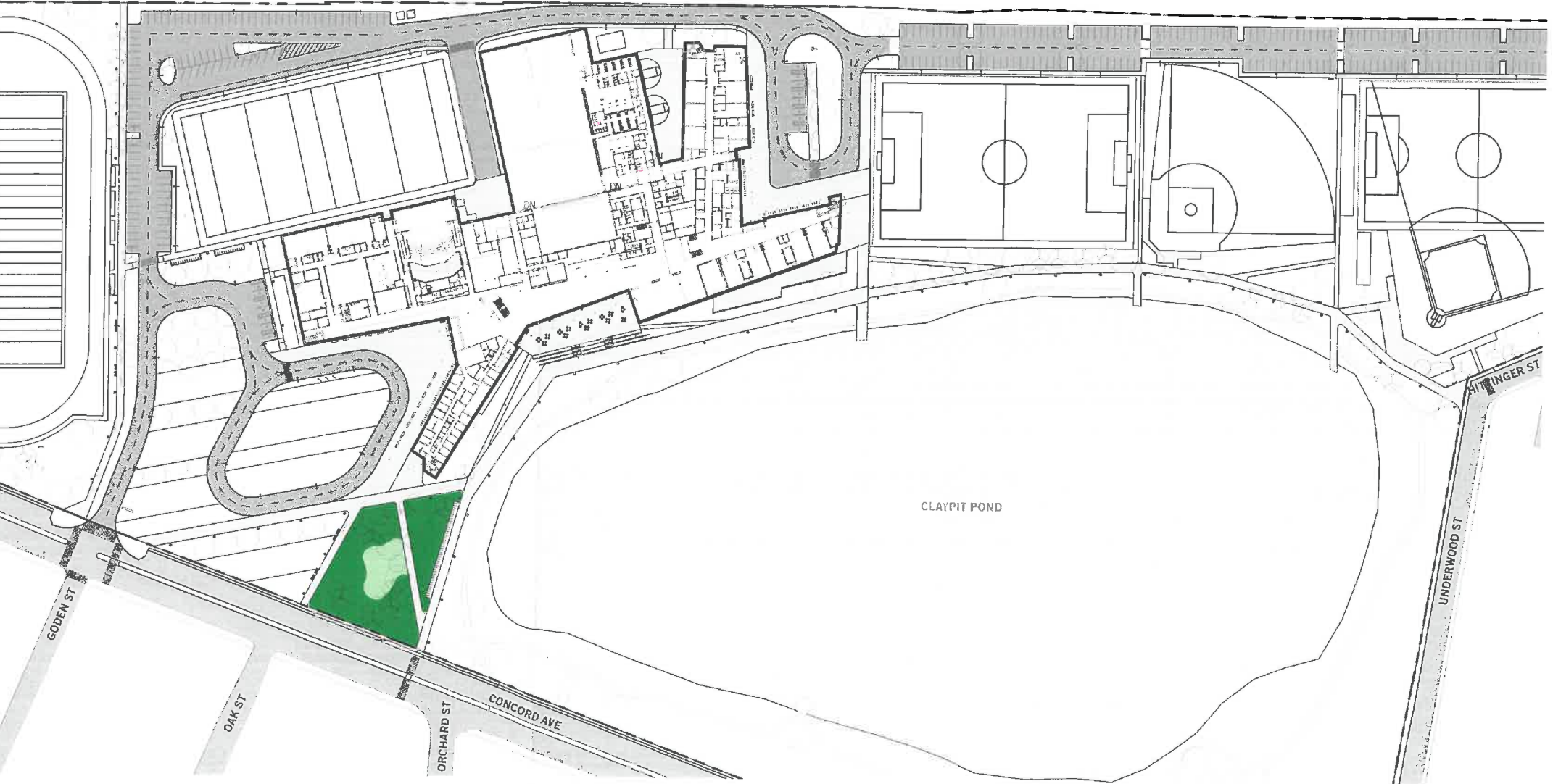
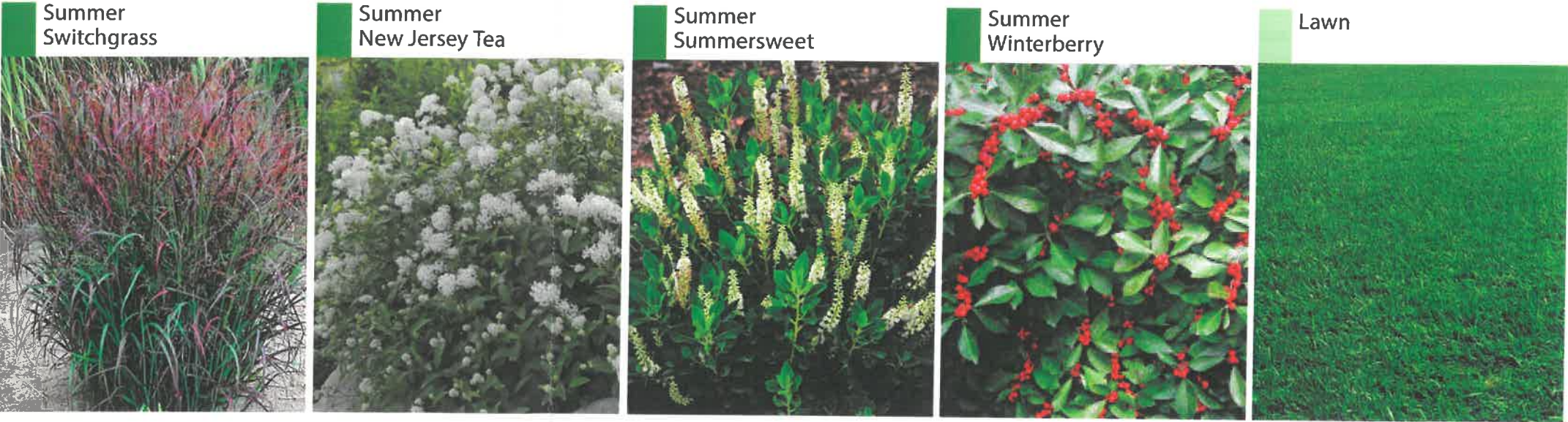
20% Clethra alnifolia 'Sixteen Candles'
- Summersweet

Height: 3'

15% Ilex verticillata 'Red Sprite'
- Winterberry

Height: 3'

Lawn



Legend

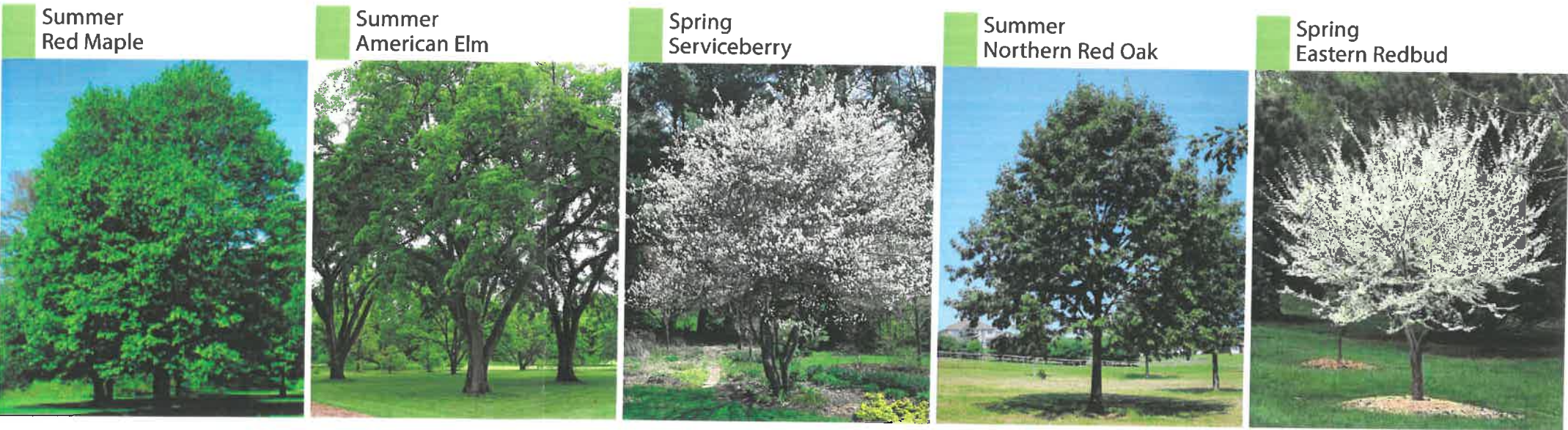
- Shrubs/
Grasses
- Lawn

PLANTING PALETTE

APRIL 4, 2019

TREES

- Scientific name: *Acer rubrum*
Common name: Red maple
Height: 40'
- Scientific name: *Ulmus americana*
Common name: American Elm
Height: 60'
- Scientific name: *Amelanchier arborea*
Common name: Serviceberry
Height: 15'
- Scientific name: *Quercus rubra*
Common name: Northern Red Oak
Height: 60'
- Scientific name: *Cercis canadensis*
Common name: Eastern Redbud
Height: 15'-20'



PLANTING PALETTE
APRIL 4, 2019

TREES

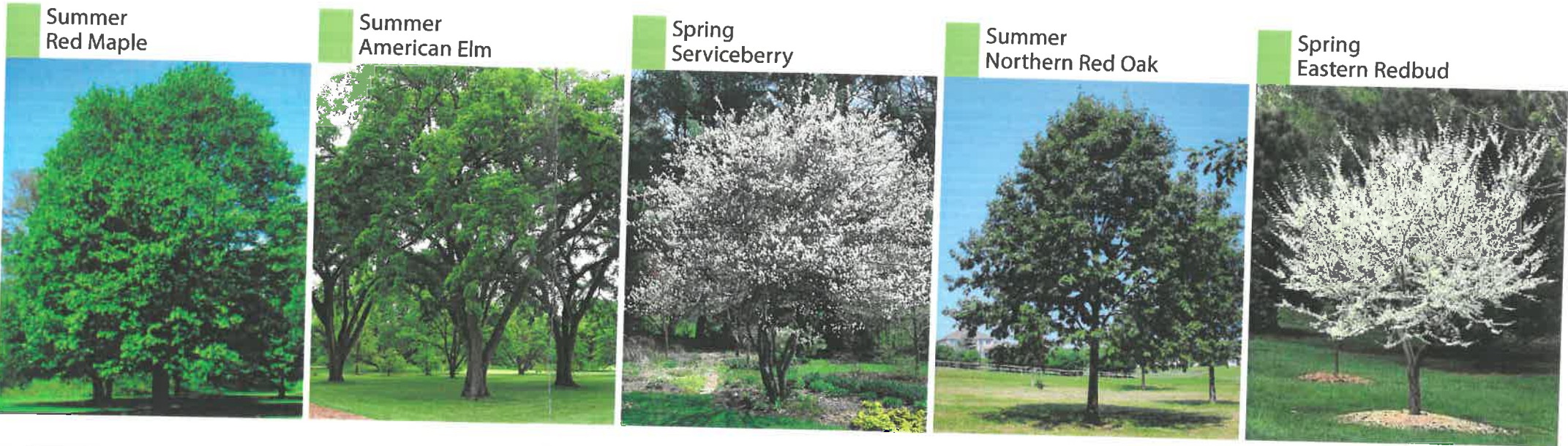
Scientific name: *Acer rubrum*
Common name: Red maple
Height: 40'

Scientific name: *Ulmus americana*
Common name: American Elm
Height: 60'

Scientific name: *Amelanchier arborea*
Common name: Serviceberry
Height: 15'

Scientific name: *Quercus rubra*
Common name: Northern Red Oak
Height: 60'

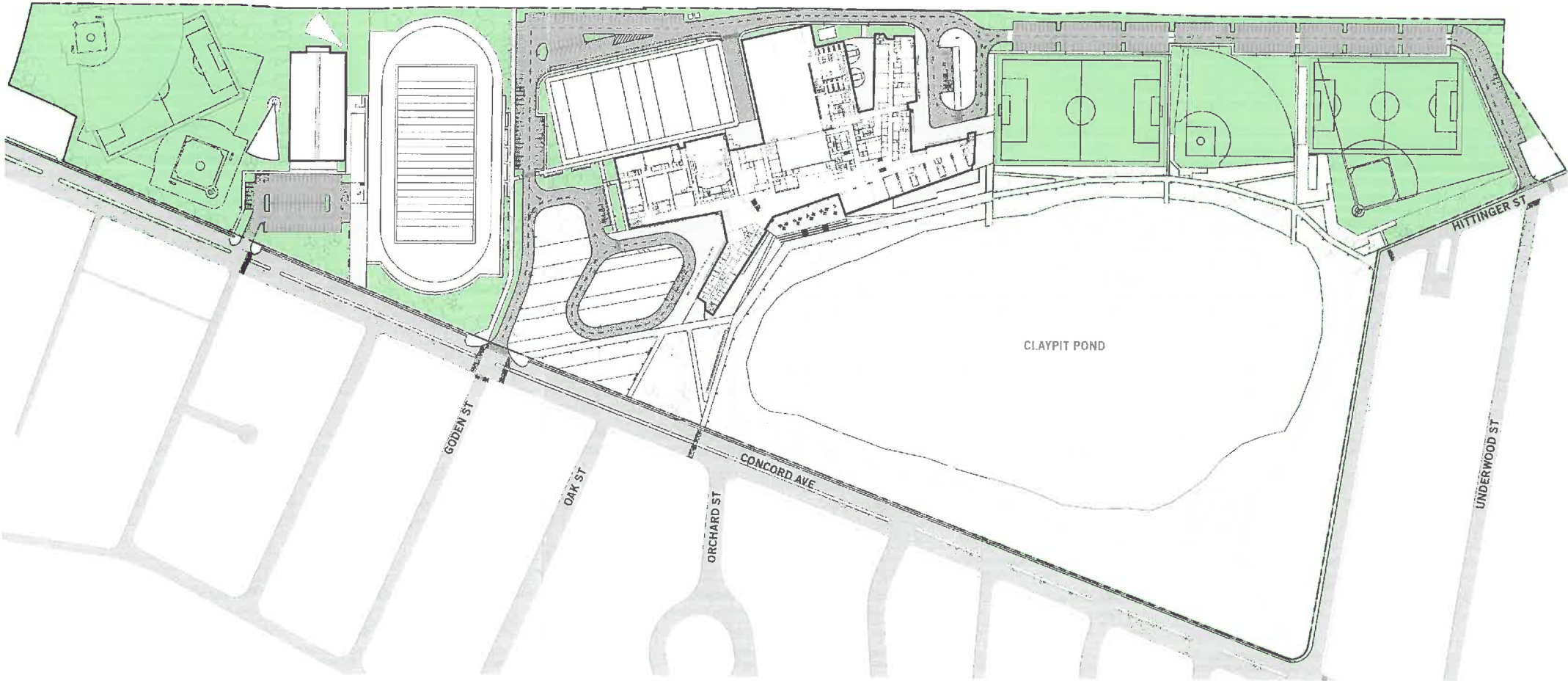
Scientific name: *Cercis canadensis*
Common name: Eastern Redbud
Height: 15'-20'



- Legend
- Flowering Trees
Serviceberry
 - Deciduous Canopy Trees
 - Existing Trees

LAWN

Lawn



Legend

Lawn

PLANTING PALETTE

APRIL 4, 2019

PLANNING BOARD MEETING