

**CARDNO / JF New, Inc.**  
 www.cardnojfnew.com  
 128 Sunset Drive  
 Walkerton, Indiana 46574  
 Ph: 574-586-3400

6140 Cottonwood Road  
 Suite A  
 Fitchburg, Wisconsin 53719  
 Ph: 608-661-2965

6605 Steger Road  
 Suite A  
 Monee, Illinois 60449  
 Ph: 708-534-3450

**Stormwater Seed Mix**  
 For Use on Stormwater Management Ponds (SMP) side slopes to Normal Water Line (NWL)

Botanical Name	Common Name	PLS Ounces/Acre
<b>Permanent Grasses/Sedges/Rushes:</b>		
<i>Carex cristatella</i>	Crested Oval Sedge	1.00
<i>Carex frankii</i>	Bristly Cattail Sedge	1.00
<i>Carex lurida</i>	Bottlebrush Sedge	2.00
<i>Carex sparganoides v. cephaloidea</i>	Rough-Clustered Sedge	2.00
<i>Carex vulpinoidea</i>	Brown Fox Sedge	6.00
<i>Eleocharis ovata</i>	Blunt Spike Rush	0.50
<i>Elymus virginicus</i>	Virginia Wild Rye	12.00
<i>Glyceria striata</i>	Fowl Manna Grass	1.25
<i>Juncus effusus</i>	Common Rush	1.00
<i>Juncus torreyi</i>	Torrey's Rush	0.25
<i>Leersia oryzoides</i>	Rice Cut Grass	1.00
<i>Panicum virgatum</i>	Switch Grass	2.00
<i>Scirpus atrovirens</i>	Dark Green Rush	1.00
<i>Scirpus cyperinus</i>	Wool Grass	0.50
<i>Scirpus fluviatilis</i>	River Bulrush	0.25
<i>Scirpus validus</i>	Great Bulrush	6.00
<b>Total</b>		<b>45.75</b>

Temporary Cover:		
<i>Avena sativa</i>	Common Oat	360.00
<i>Lolium multiflorum</i>	Annual Rye	116.00
<b>Total</b>		<b>476.00</b>

Forbs:		
<i>Alisma spp.</i>	Water Plantain (Various Mix)	4.25
<i>Asclepias incarnata</i>	Swamp Milkweed	1.50
<i>Bidens spp.</i>	Bidens (Various Mix)	2.00
<i>Helianthus autumnalis</i>	Sneezeweed	3.00
<i>Mimulus ringens</i>	Monkney Flower	1.00
<i>Penstemon sedoides</i>	Ditch Stonecrop	0.50
<i>Polygonum pennsylvanicum</i>	Pinkweed	4.00
<i>Rudbeckia subtomentosa</i>	Sweet Black-Eyed Susan	1.00
<i>Sagittaria latifolia</i>	Broad-Leaf Arrowhead	1.00
<i>Senna hebecarpa</i>	Wild Senna	1.00
<i>Thalictrum dasycarpum</i>	Purple Meadow Rue	2.00
<b>Total</b>		<b>21.25</b>

**Approximate area of coverage:**  
 Total area (SF) of coverage surrounding SWM ponds: 9,263  
 Total area (acres) of coverage surrounding SWM ponds: 0.21

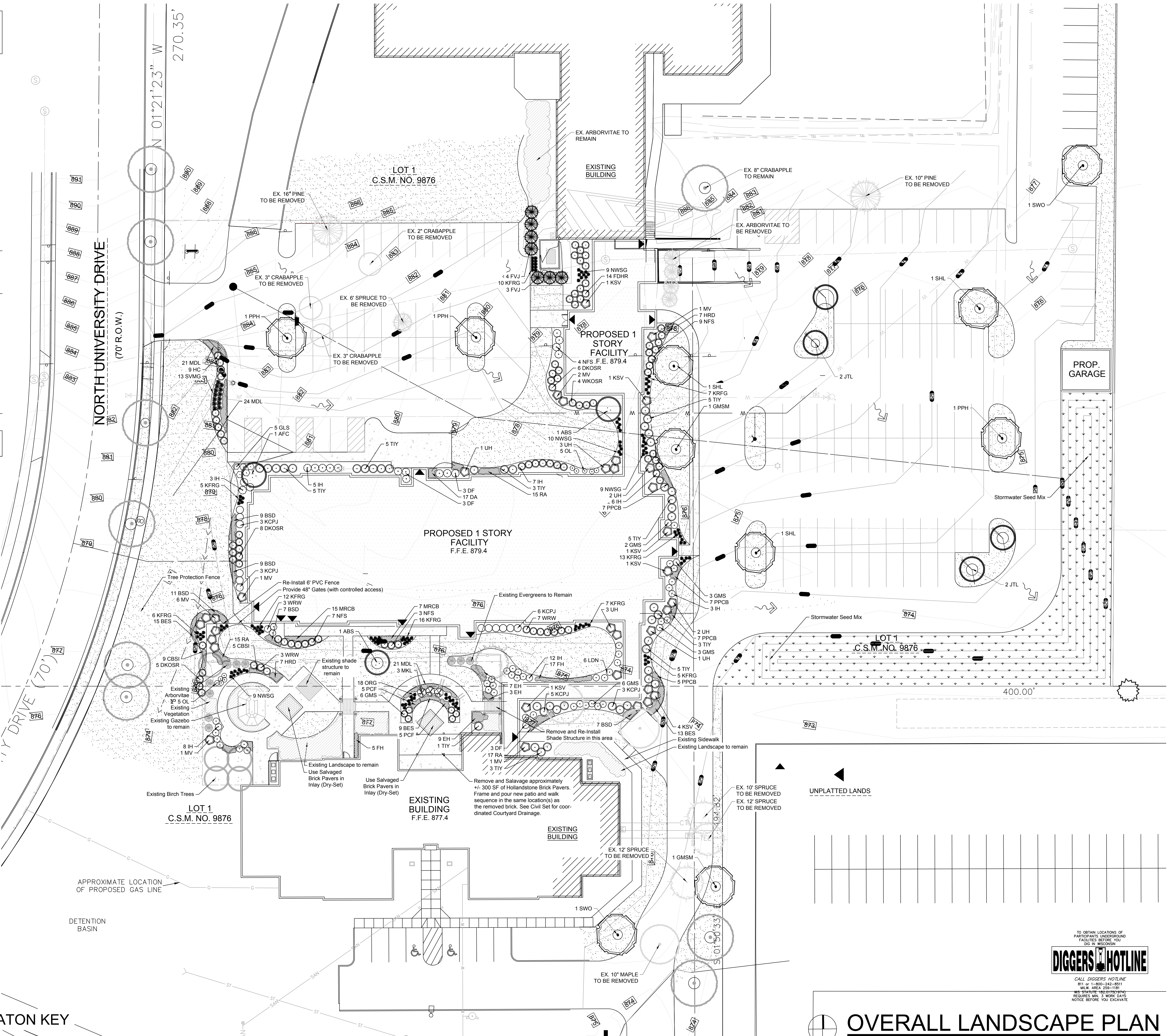
**STORMWATER SEED MIX MATRIX**

- SHADE TREES (DECIDUOUS)**
  - GMSM Green Mountain Sugar Maple
  - PPH Prairie Pride Hackberry
  - SHL Skyline Honeylocust
  - SWO Swamp White Oak
- ORNAMENTAL TREES (DECIDUOUS)**
  - ABS Autumn Brilliance Serviceberry
  - AFC Adams Flowering Crabapple
  - JTL Ivory Silk Japanese Tree Lilac
- EVERGREEN TREES**
  - FVJ Fairview Upright Juniper (upright)
- EVERGREEN SHRUBS**
  - KCPJ Kallay Compact Pfitzer Juniper
  - TIY Taunton Intermediate Yew
- DECIDUOUS SHRUBS**
  - HC Peking (Hedge) Cotoneaster
  - DF Dwarf Fothergilla
  - IH Incrediball Hydrangea
  - UH Unique Hydrangea
  - LDN Little Devil Ninebark
  - GLS Goli Low Fragrant Sunspice
  - WKOSR White Knock Out Shrub Rose
  - DKOSR Double Pink Knock Out Rose
  - FDHR Frau Dagmar Hastrup Rugosa Rose
  - GMS Goldmound Spirea
  - NFS Neon Flash Spirea
  - MKL Miss Kim Dwarf Lilac
  - KSV Fragrant Koreanspice Viburnum
  - MV Mohican Viburnum
  - WRW Wine & Roses Compact Wiegela

- ORNAMENTAL GRASSES**
  - KFRG Karl Foerster Feather Reed Grass
  - ORG Overdam Feather Reed Grass
  - SYMG Silver Variegated Maiden Grass
  - NWSG Northwind Switch Grass

- HERBACEOUS PERENNIALS**
  - DA Deutschland Astilbe (White)
  - RA Rhineland Astilbe (Pink)
  - PCF Magnus Purple Coneflower
  - HRD Happy Returns Daylily
  - MDL Catherine Woodbury Daylily (Soft Pink)
  - MDL Hyperion Daylily (Lemon Yellow)
  - MDL Summer Wine Daylily (Maroon)
  - MRCB Midnight Rose Coralbells
  - PPCB Palace Purple Coralbells
  - FH France Hosta
  - EH Elegans Bigleaf Hosta
  - CBSI Casars' Brother Siberian Iris
  - BSD Becky Shasta Daisy
  - OL Othello Ligularia
  - BES Black-eyed Susan

**PLANT ABBREVIATION KEY**



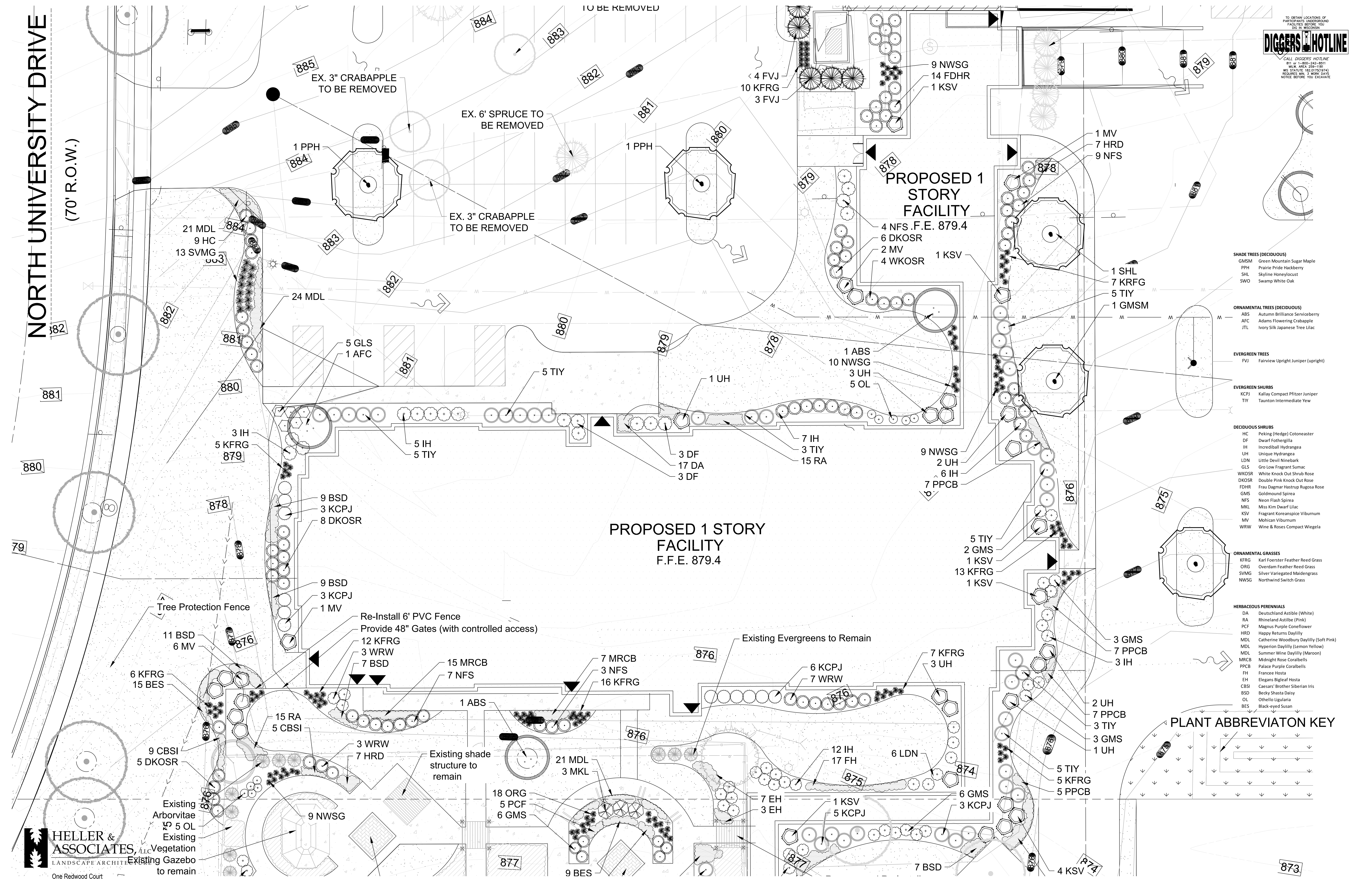
**HELLER & ASSOCIATES, LLC**  
 LANDSCAPE ARCHITECTURE  
 One Redwood Court  
 Racine, Wisconsin 53402  
 ph 262.639.9733  
 fx 262.639.9737  
 david@wdavidheller.com

**OVERALL LANDSCAPE PLAN**  
 Scale: 1" = 20'0"

**DIGGERS HOTLINE**  
 CALL DIGGERS HOTLINE  
 811 or 1-800-424-8811  
 M.W. AREA 209-1181  
 W.V. AREA 209-222-8811  
 REQUIRES MIN. 3 WORK DAYS  
 NOTICE BEFORE YOU DIG ANYTHING

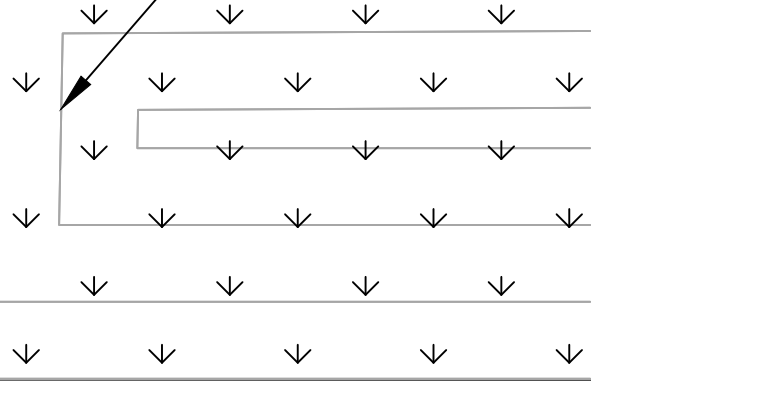
NORTH UNIVERSITY DRIVE  
(70' R.O.W.)

**DIGGERS HOTLINE**  
CALL DIGGERS HOTLINE  
811 or 1-800-242-8811  
M-F 8:00 AM - 5:00 PM (EST)  
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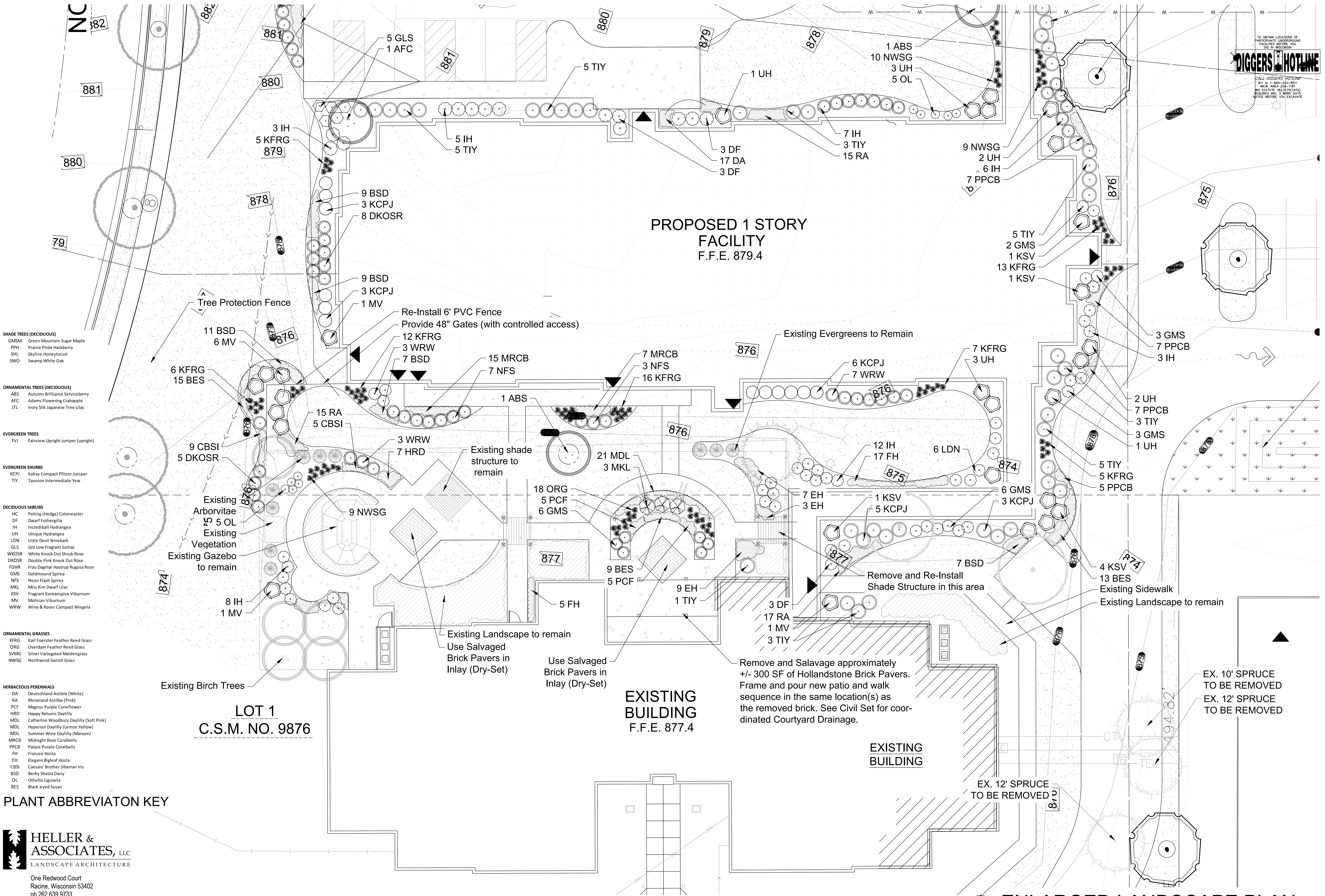
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Racine, Wisconsin 53402  
ph 262.639.9733  
fx 262.639.9737  
david@wdavidheller.com

**ENLARGED LANDSCAPE PLAN**  
Scale: 1" = 10'0"  
NORTH

**DIGGERS HOTLINE**  
 TO OBTAIN LOCATIONS OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN RECORD  
 CALL DIGGERS HOTLINE  
 811 or 1-800-484-8811  
 MINN. AREA 258-1181  
 MS. STATELINE 1-800-972-9243  
 REQUIREMENTS: 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE



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