

DATE: 4/6/2018
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PLAN SYMBOLS

STATE LINE	----
COUNTY LINE	-----
TOWNSHIP OR RANGE LINE	-----
SECTION LINE	-----
QUARTER LINE	-----
SIXTEENTH LINE	-----
RIGHT-OF-WAY LINE	-----
SLOPE EASEMENT	-----
PRESENT RIGHT-OF-WAY	-----
CONTROL OF ACCESS LINE	-----
PROPERTY LINES (EXCEPT LAND LINES)	-----
VACATED PLATTED PROPERTY	-----
CORPORATE OR CITY LIMITS	-----
TRUNK HIGHWAY CENTER LINE	-----
RETAINING WALL	-----
RAILROAD	-----
RAILROAD RIGHT-OF-WAY	-----
RIVER OR CREEK	-----
DRY RUN	-----
DRAINAGE DITCH	-----
DRAIN TILE	-----
CULVERT	-----
DROP INLET	-----
GUARD RAIL	-----
BARBED WIRE FENCE	-----
WOVEN WIRE FENCE	-----
CHAIN LINK FENCE	-----
RAILROAD SNOW FENCE	-----
STONE WALL OR FENCE	-----
HEDGE	-----
RAILROAD CROSSING SIGN	-----
RAILROAD CROSSING BELL	-----
ELECTRIC WARNING SIGN	-----
CROSSING GATE	-----
MEANDER CORNER	-----
SPRINGS	-----
MARSH	-----
TIMBER	-----
ORCHARD	-----
BRUSH	-----
NURSERY	-----
CATCH BASIN	-----
FIRE HYDRANT	-----
CATTLE GUARD	-----
OVERPASS (HIGHWAY OVER)	-----
UNDERPASS (HIGHWAY UNDER)	-----
BRIDGE	-----
BUILDING (ONE STORY FRAME)	-----
F - FRAME C - CONCRETE	-----
S - STONE T - TILE	-----
B - BRICK ST - STUCCO	-----
IRON ROD OR PIPE	-----
MONUMENT (STONE, CONCRETE, OR METAL)	-----
WOODEN HUB	-----
GRAVEL PIT	-----
SAND PIT	-----
BORROW PIT	-----
ROCK QUARRY	-----

UTILITY SYMBOLS

POWER POLE LINE	-----
TELEPHONE OR TELEGRAPH POLE LINE	-----
JOINT TELEPHONE AND POWER	-----
ON POWER POLE	-----
ON TELEPHONE POLES	-----
ANCHOR	-----
STREET LIGHT	-----
PEDESTAL (TELEPHONE CABLE TERMINAL)	-----
GAS MAIN	-----
WATER MAIN	-----
CONDUIT	-----
TELEPHONE CABLE IN CONDUIT	-----
ELECTRIC CABLE IN CONDUIT	-----
TELEPHONE MANHOLE	-----
ELECTRIC MANHOLE	-----
BURIED TELEPHONE CABLE	-----
BURIED ELECTRIC CABLE	-----
AERIAL TELEPHONE CABLE	-----
FIBER OPTICS	-----
SEWER (SANITARY OR STORM)	-----
SEWER MANHOLE	-----

SCALES

INDEX MAP	0 1000 2000
PLAN	0 50 100
PROFILE HORIZ.	0 50 100
VERT.	0 5 10
CROSS SECTION	0 10 20

MINNESOTA DEPARTMENT OF TRANSPORTATION CITY OF SHAKOPEE

GRADING, BITUMINOUS PAVING, STORM SEWER, SIGNING, STRIPING, LIGHTING,
ADA IMPROVEMENTS, AND APPURTENANT WORK

CONSTRUCTION PLAN FOR

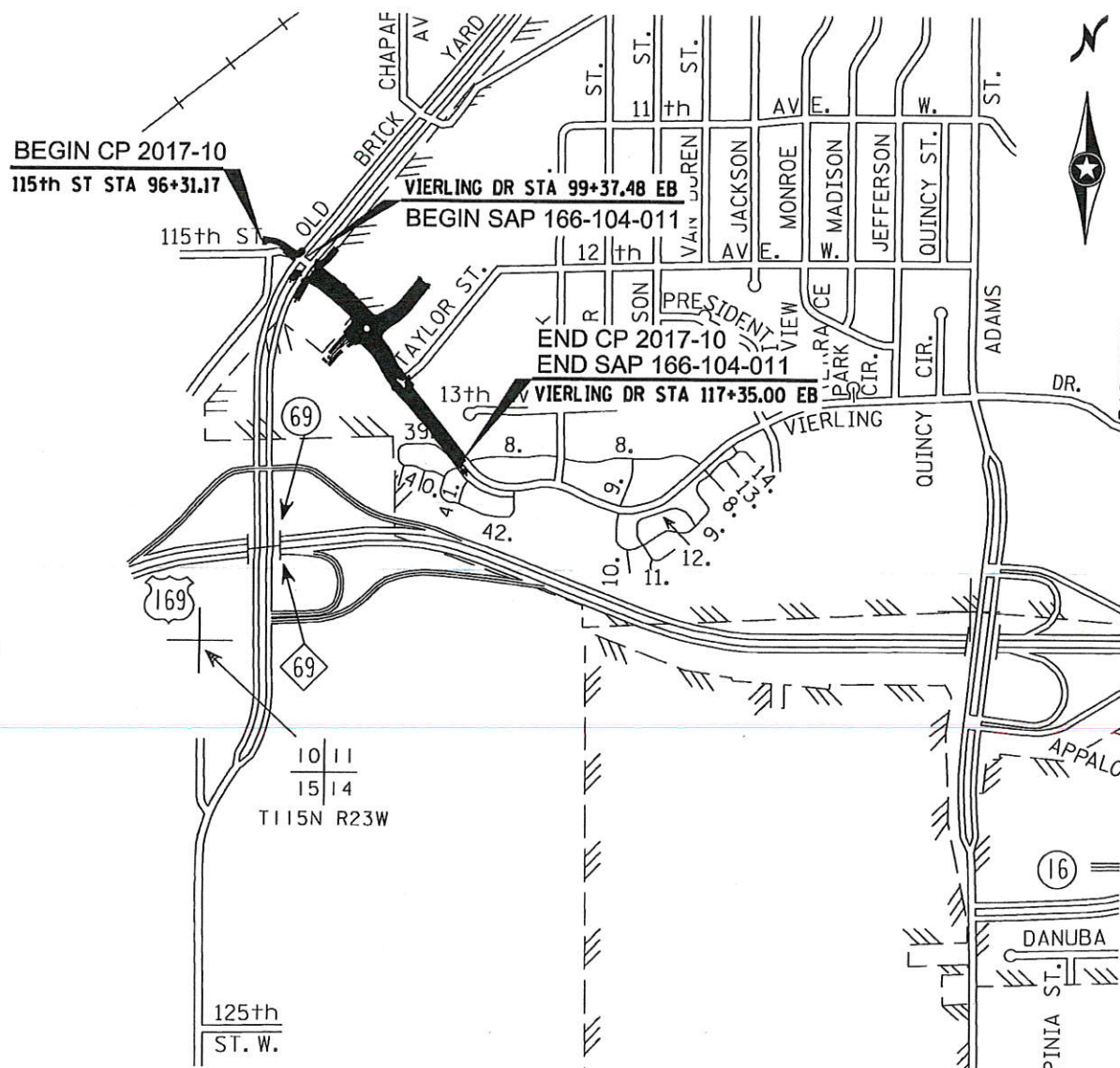
LOCATED ON VIERLING DRIVE

FROM 300 FT WEST OF CSAH 69 TO BOULDER POINTE

SAP 166-104-011
VIERLING DRIVE

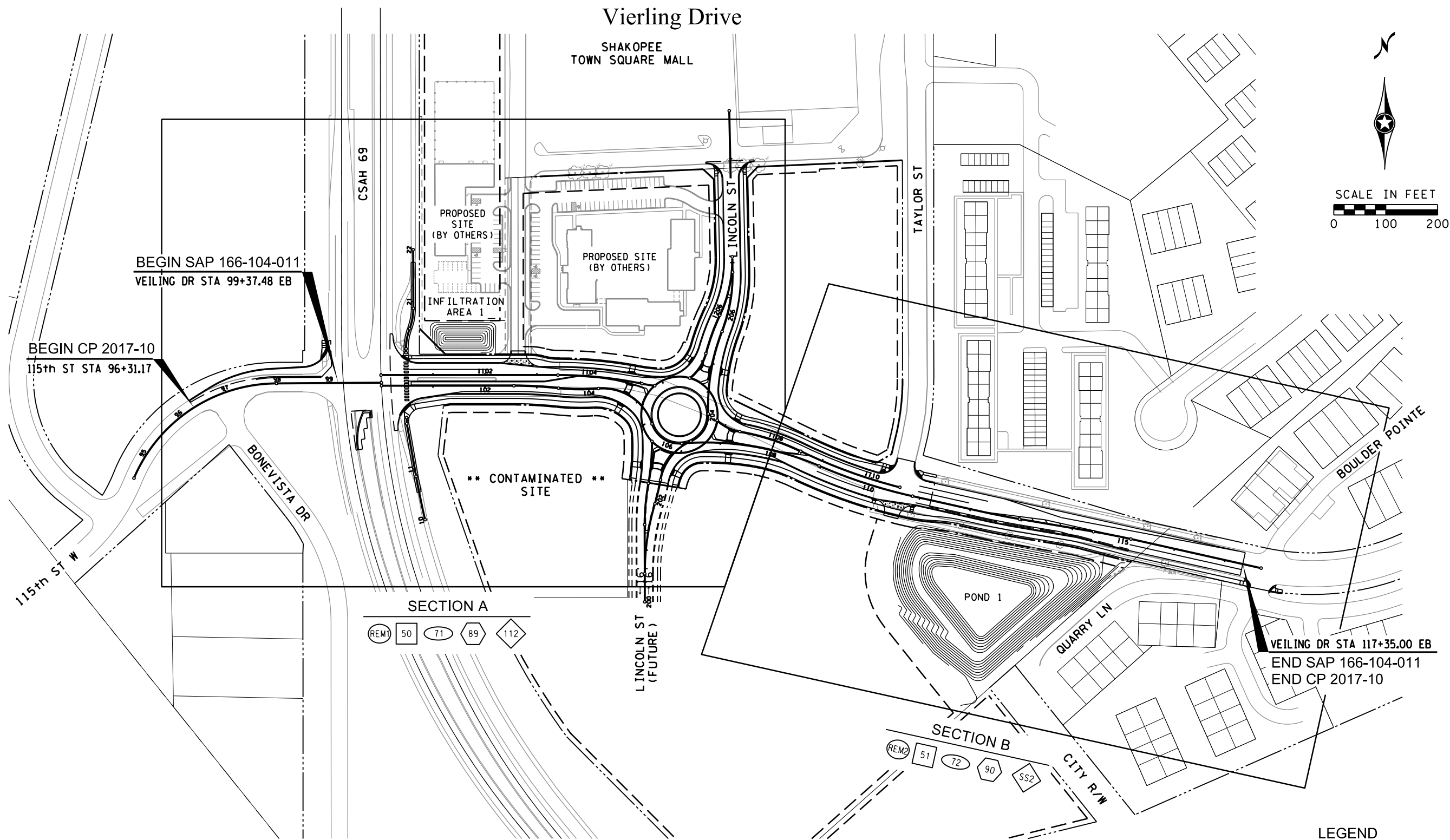
GROSS LENGTH	1797.52 ft	0.340 miles
BRIDGES-LENGTH	0.00 ft	0.000 miles
EXCEPTIONS-LENGTH	0.00 ft	0.000 miles
NET LENGTH	1797.52 ft	0.340 miles

NOTE: LENGTH AND DESCRIPTION BASED ON
VIERLING DRIVE EB STATIONING.



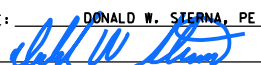
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LEGEND	
SHEET NO.	DESCRIPTION
(XXX)	MISCELLANEOUS REMOVALS
XX	CONSTRUCTION PLAN
(XXX)	DRAINAGE PLAN
(XXX)	TURF ESTABLISHMENT & EROSION CONTROL
XX	SIGNING AND STRIPING PLAN

NO.	DATE	BY	CHK	REVISIONS

Design By:	DWS	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINT NAME: <u>DONALD W. STERNA, PE</u>  DATE: <u>4/03/18</u> LICENSE # <u>19103</u>
Plan By:	CWK	
Checked By:	DMK	
Approved By:	DWS	



701 Xenia Avenue South, Suite 300
 Minneapolis, MN 55146
 Tel: (763)541-4800 · Fax: (763)541 1700
 wsbeng.com



Vierling Drive Connection
 City of Shakopee, Minnesota

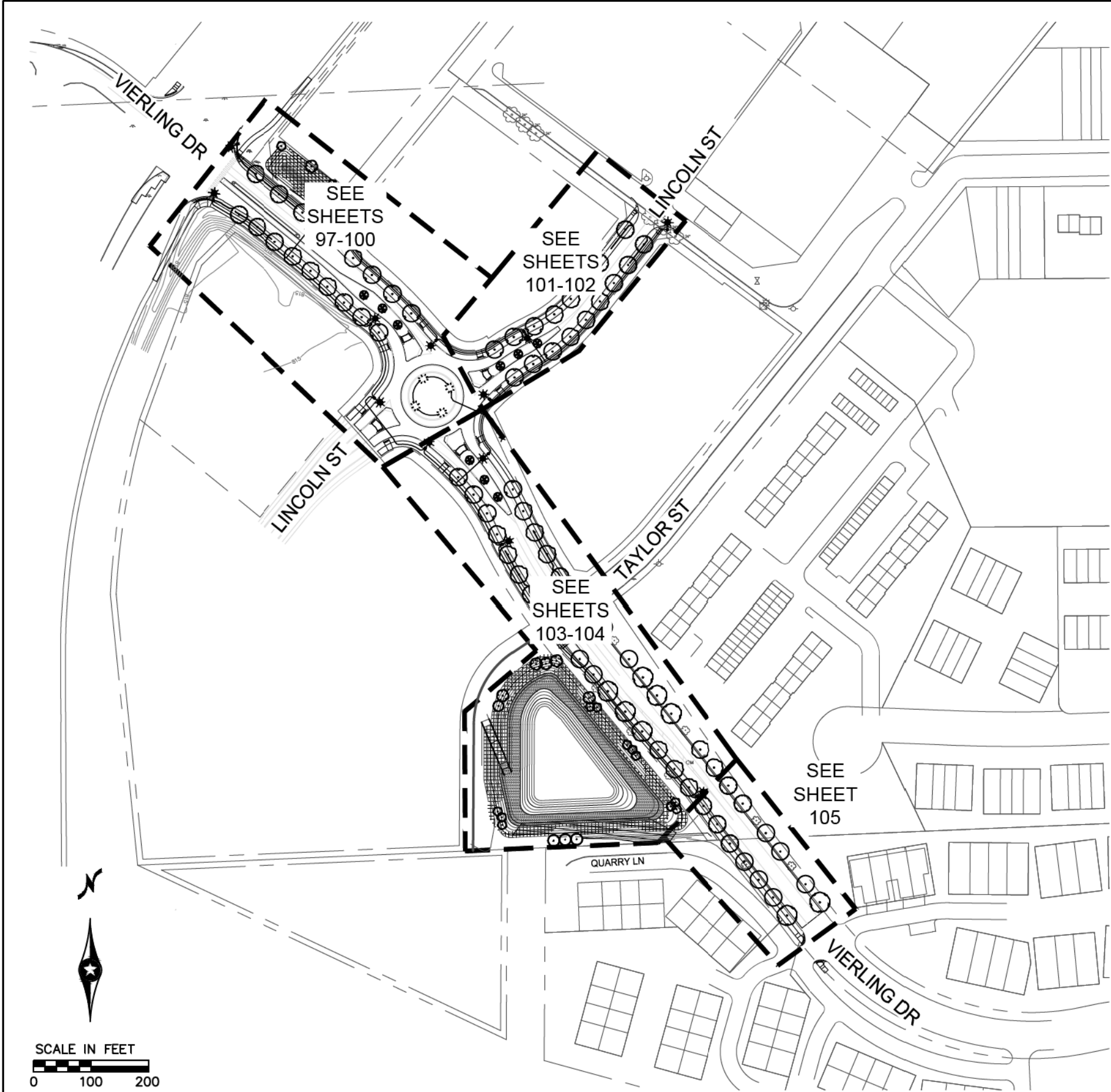
CITY OF SHAKOPEE, MINNESOTA

GENERAL LAYOUT
 SAP 166-104-011

SHEET
2
 OF
143
 SHEETS

PLOTTED/REVISED: 4/6/2018

PATH & FILENAME: K:\010413-000\CadPlan\0413-000_Landscaping.dgn



LANDSCAPE TABULATION		P
ITEM	UNIT	Quantity
CONIFEROUS TREE 8' HT B&B	TREE	4
DECIDUOUS TREE 3" CAL B&B	TREE	85
DECIDUOUS TREE 1.5" CAL B&B	TREE	29
DECIDUOUS SHRUB NO 5 CONT	SHRB	290
PERENNIAL NO 1 CONT	PLT	1192
MULCH MATERIAL TYPE 6	CU YD	200
PERENNIAL PLUG	PLANT	7050

PLANT SCHEDULE OVERALL TOTAL

TREES	BOTANICAL NAME / COMMON NAME	CONT	QTY
	Amelanchier x grandiflora 'Autumn Brilliance' / Autumn Brilliance Serviceberry	1.5" Cal B&B	7
	Betula nigra 'Shiloh Splash' / Shiloh Splash Birch	1.5" Cal B&B	13
	Betula platyphylla 'Fargo' / Dakota Pinnacle Birch	3" Cal B&B	12
	Gleditsia triacanthos inermis 'Harve' / Northern Acclaim Thornless Honey Locust	3" Cal B&B	16
	Picea abies / Norway Spruce	8" B&B	1
	Pinus ponderosa / Ponderosa Pine	8" B&B	3
	Quercus bicolor / Swamp White Oak	3" Cal B&B	8
	Syringa reticulata 'Ivory Silk' / Ivory Silk Tree Lilac (tree form)	1.5" Cal B&B	9
	Tilia americana 'Boulevard' / Boulevard Linden	3" Cal B&B	18
	Ulmus americana 'Valley Forge' / Valley Forge American Elm	3" Cal B&B	10
	Ulmus x 'Patriot' / Patriot Elm	3" Cal B&B	21
SHRUBS	BOTANICAL NAME / COMMON NAME	SIZE	QTY
	Cornus alba 'Bailhala' TM / Ivory Halo Dogwood	5 gal	35
	Diervilla lonicera / Dwarf Bush Honeysuckle	5 gal	48
	Euonymus alatus 'Fire Ball' / Fire Ball Euonymus	5 gal	58
	Salix integra 'Flamingo' / Flamingo Willow	5 gal	66
	Spiraea japonica 'Neon Flash' / Neon Flash Spirea	5 gal	65
	Viburnum dentatum 'Christom' / Blue Muffin Viburnum	5 gal	18
ANNUALS/PERENNIALS	BOTANICAL NAME / COMMON NAME	SIZE	QTY
	Echinacea purpurea 'PowWow White' / PowWow White Coneflower	1 gal	92
	Hemerocallis x 'Chicago Apache' / Chicago Apache Daylily	1 gal	276
	Hemerocallis x 'Happy Returns' / Happy Returns Daylily	1 gal	218
	Perovskia x 'Little Spire' / Little Spire Russian Sage	1 gal	85
	Sedum x 'Autumn Joy' / Autumn Joy Sedum	1 gal	231
GRASSES	BOTANICAL NAME / COMMON NAME	SIZE	QTY
	Calamagrostis x acutiflora 'Karl Foerster' / Feather Reed Grass	1 gal	68
	Schizachyrium scoparium 'Blue Heaven' / Blue Heaven Little Bluestem	1 gal	33
	Sporobolus heterolepis 'Tara' / Prairie Dropseed	1 gal	189

NO.	DATE	BY	CHK	REVISIONS

Design By:	JDG	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINT NAME: ROBERT A. SLIPKA III, RLA DATE 4/03/18 LICENSE # 44337
Plan By:	JDG	
Checked By:	CM	
Approved By:	RAS	



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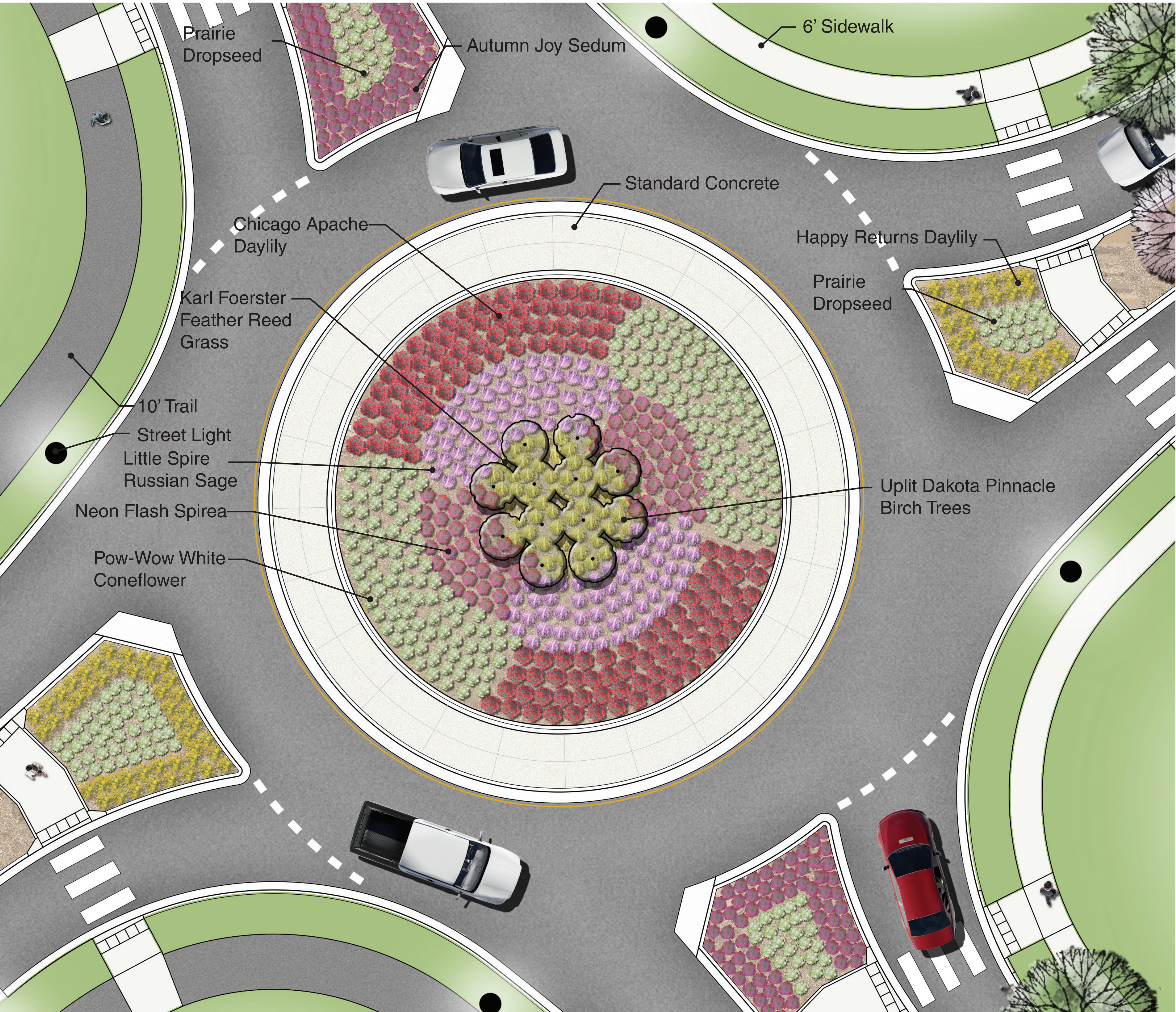


Vierling Drive Connection
 City of Shakopee, Minnesota

CITY OF SHAKOPEE, MINNESOTA

LANDSCAPING PLAN
 SAP 166-104-011

SHEET
100
 OF
143
 SHEETS



PLANTS
TREES



Dakota Pinnacle Birch

SHRUBS



Neon Flash Spirea

PERENNIALS



Chicago Apache Daylily



Prairie Dropseed



Karl Foerster Feather Reed Grass

AMENITIES



Tree uplight unit



Happy Returns Daylily



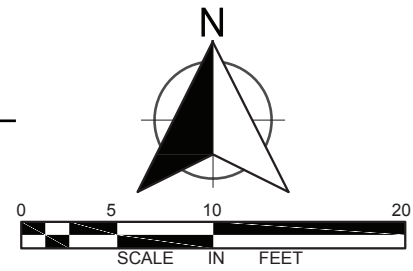
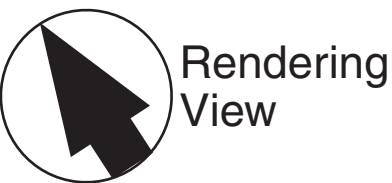
Autumn Joy Sedum



Pow Wow White Coneflower



Little Spire Russian Sage



VIERLING DRIVE CONNECTION

Concept
Shakopee, Minnesota
12/27/2017 | 010413-000



PLANTS
TREES



Northern Acclaim
Thornless Honeylocust

PERENNIALS



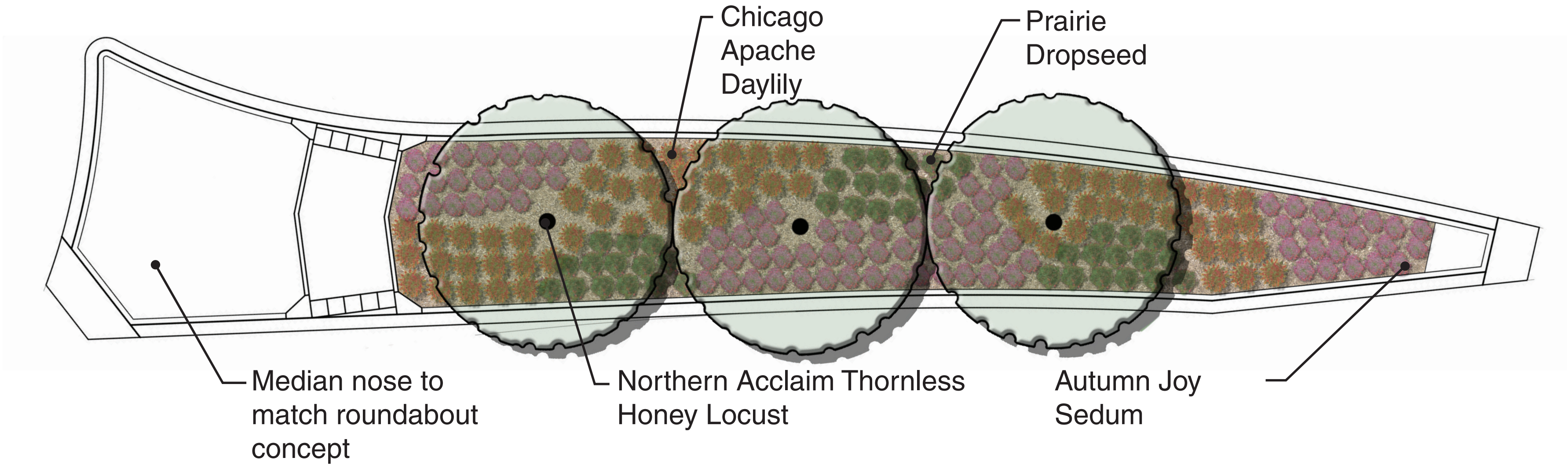
Chicago Apache Daylily



Autumn Joy Sedum



Prairie Dropseed



VIERLING DRIVE CONNECTION

Typical Median Planting Concept

Shakopee, Minnesota
12/27/2017 | 010413-000

