

Client
DORAN DEVELOPMENT, LLC.
7803 GLENROY ROAD
SUITE 200
BLOOMINGTON, MN 55439

Project
CANTERBURY RESIDENTIAL

Location
SHAKOPEE, MN

1100 CANTERBURY ROAD

Certification

I hereby certify that this plan and specification were prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer in the State of Minnesota. My License No. is 051055. My expiration date is 05/01/2017.

Geoffrey D. Danner, P.E.
Registration No. 051055 Date: 05/01/2017
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Summary

Designed: gda Drawn: JMW/JTA
Approved: EWM Book / Page:
Phase: PUD SUBMITTAL Initial Issue: 05/11/2017

Revision History

No. Date By Submittal / Revision

Sheet Title
LANDSCAPE PLAN

Sheet No. Revision
L1.01

Project No. 20629.01

PLANT SCHEDULE

TREES	CODE	BOTANICAL NAME / COMMON NAME	CONT	CAL	SIZE	QTY
	DP	Betula platyphylla 'Fargo' TM / Dakota Pinnacle Birch	B & B	2"Cal		33
	HB	Celtis occidentalis / Common Hackberry	B & B	2.5"Cal		25
	HL	Gleditsia triacanthos 'Skyline' / Skyline Honey Locust	B & B	2.5"Cal		6
	KC	Gymnocladus dioica 'Espresso' / Kentucky Coffeetree	B & B	2.5"Cal		14
	QA	Populus tremuloides / Quaking Aspen	B & B	2.5"Cal		25
	SO	Quercus bicolor / Swamp White Oak	B & B	2.5"Cal		22
	BL	Tilia americana 'Boulevard' / Boulevard Linden	B & B	2.5"Cal		28
	PE	Ulmus americana 'Princeton' / American Elm	B & B	2.5"Cal		14
CONIFERS	CODE	BOTANICAL NAME / COMMON NAME	CONT	CAL	SIZE	QTY
	NS	Picea abies / Norway Spruce	B & B		6"	22
	BS	Picea glauca densata / Black Hills Spruce	B & B		6"	43
	AP	Pinus nigra / Austrian Black Pine	B & B		6"	32
ORN. TREES	CODE	BOTANICAL NAME / COMMON NAME	CONT	CAL	SIZE	QTY
	SB	Amelanchier canadensis 'Autumn Brilliance' / Autumn Brilliance Serviceberry	B & B	2"Cal		22
	HT	Crataegus crus-galli 'Inermis' / Thornless Hawthorn	B & B	2.5"Cal		7
	SS	Malus x 'Spring Snow' / Spring Snow Crab Apple	B & B	2"Cal		14
	JL	Syringa reticulata / Japanese Tree Lilac	B & B	2"Cal		23

-THIS SCHEDULE INCLUDES TREES ON PHASE 1 AND 2
-SHRUBS ON PLAN SHEET L1.02 - L1.03
ADDITIONAL SHRUBS TO BE INCLUDED AS FOUNDATION PLANTINGS

LANDSCAPE LEGEND

- 1 POND FEATURE WITH FOUNTAIN
- 2 BERM WITH PLANTINGS AND ON-SITE BOULDERS
- 3 PROPOSED LIGHTING LOCATIONS TYP.
- 4 --- STEEL EDGER
- 5 ORNAMENTAL 6" FENCE
- 6 MONUMENT SIGN
- 7 MAINTENANCE STRIP/FOUNDATION PLANTINGS
- 8 EQUESTRIAN SCULPTURE

CITY LANDSCAPE CODE

GROSS FLOOR AREA		
PLANT UNIT FORMULA	PHASE 1	PHASE 2
10,000 SF @ 3 PER 1000 SF	30 UNITS	30 UNITS
40,000 SF @ 2 PER 1000 SF	40 UNITS	40 UNITS
50,000 SF @ 1 PER 1000 SF	50 UNITS	50 UNITS
70,000 SF/1500 (OVER 100,000 SF)	47 UNITS	
240,000SF/1500 (OVER 100,000 SF)		160 UNITS
170,000 SF PHASE 1	167 UNITS	340,000 SF PHASE 2
		280 UNITS

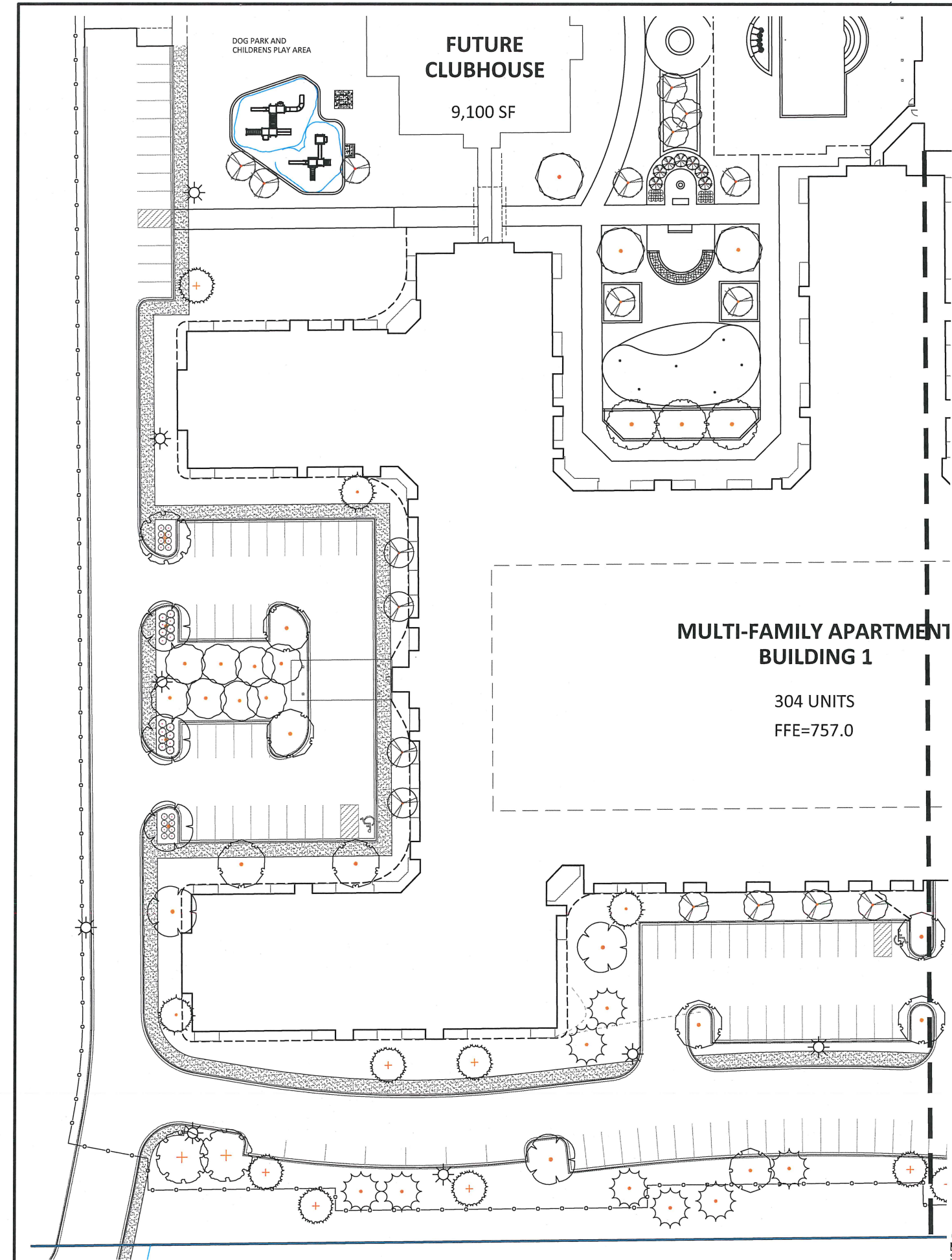
PLANT/UNIT BREAKDOWN PHASE 1	REQUIRED	PROVIDED
50% SHRUBS MAX.	84 SHRUBS	(52) WEST - (235) EAST (287 TOTAL)*
25% ORNAMENTAL TREE MAX.	42 ORN. TREES	53
25% SHADE AND EVERGREEN TREES	42 TREES + (27)=69	158 (PH1 + PH2 X60%)

*ALSO INCLUDES ADDITIONAL 322 PERENNIALS AND GRASSES

IMPERVIOUS AREA PLANTINGS
105,000 PAVED SURFACE (PHASE 1)/4000 SF PER TREE = (27) TREES - SEE ABOVE CALCULATION
210,000 PAVED SURFACE (FULL BUILD-OUT) / 4000 SF PER TREE = 53 TREES = 123 TOTAL TREES



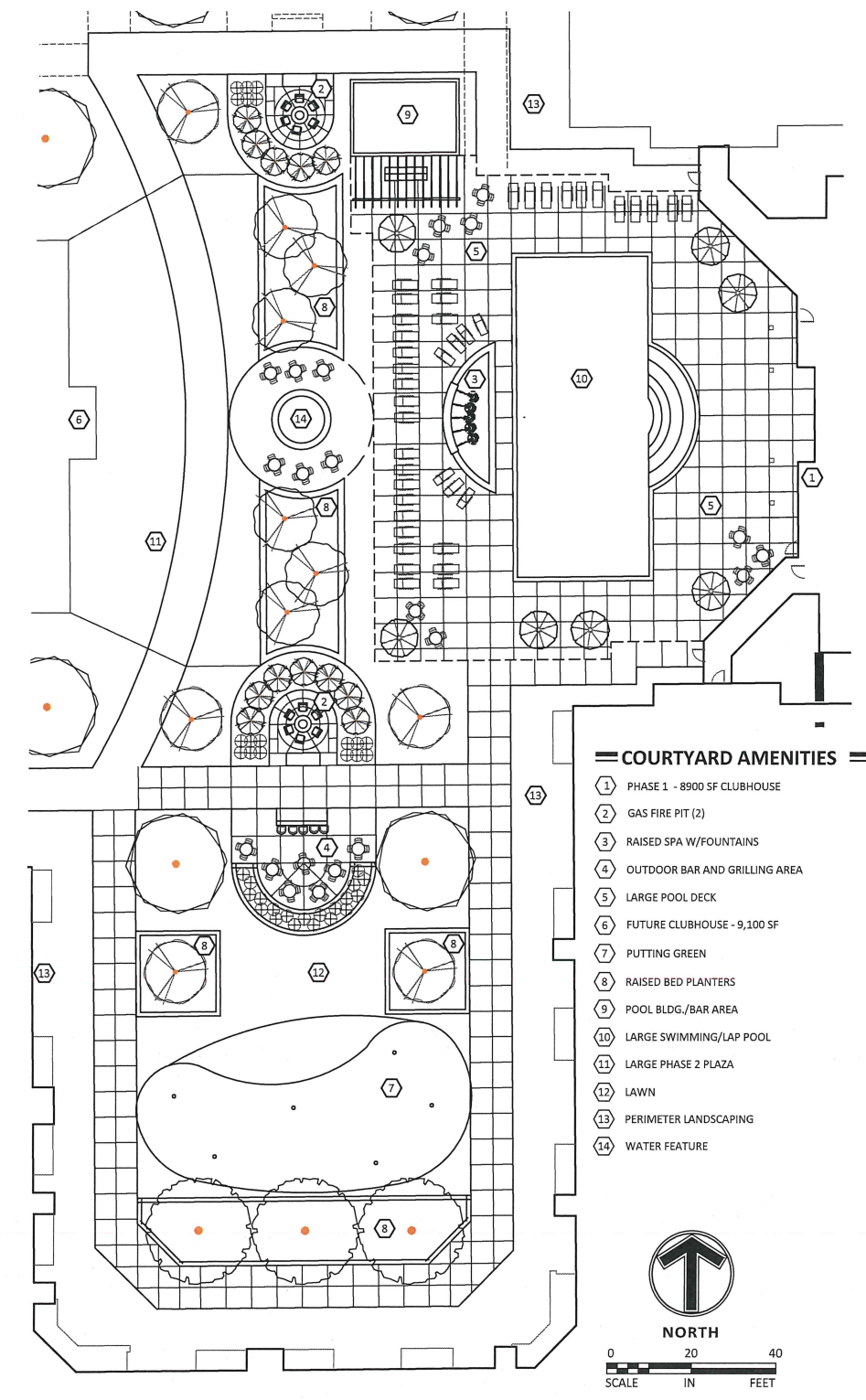
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SCALE IN FEET



May 10, 2017 - 9:37am - User: jweyerberg L:\PROJECTS\20629.01\CAD\Civil\Sheets\PUD set\20629.01-L101-LAND.dwg

PLANT SCHEDULE WEST SHRUB					
SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	CONT		QTY
	BC	Aronia melanocarpa 'Autumn Magic' / Autumn Magic Black Chokeberry	5 gal		16
	BH	Diervilla lonicera / Dwarf Bush Honeysuckle	5 gal		32
	TS	Spiraea betulifolia 'Tor' / Birchleaf Spirea	5 gal		16

ADDITIONAL SHRUBS TO BE INCLUDED AS FOUNDATION PLANTINGS



- COURTYARD AMENITIES**
- 1 PHASE 1 - 8900 SF CLUBHOUSE
 - 2 GAS FIRE PIT (2)
 - 3 RAISED SPA W/ FOUNTAINS
 - 4 OUTDOOR BAR AND GRILLING AREA
 - 5 LARGE POOL DECK
 - 6 FUTURE CLUBHOUSE - 9,100 SF
 - 7 PUTTING GREEN
 - 8 RAISED BED PLANTERS
 - 9 POOL BLDG./BAR AREA
 - 10 LARGE SWIMMING/LAP POOL
 - 11 LARGE PHASE 2 PLAZA
 - 12 LAWN
 - 13 PERIMETER LANDSCAPING
 - 14 WATER FEATURE

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I hereby certify that this plan application is prepared by me or under my direct supervision and that I am duly licensed as a Professional Engineer in the State of Minnesota.
Signature: _____ Date: 05/07/2017
Registration No. 41895

Summary
Designed: GDA Drawn: JMW/JTA
Approved: EWM Book / Page:
Phase: PUD SUBMITTAL Initial Issue: 05/11/2017

Revision History
No. Date By Submittal / Revision

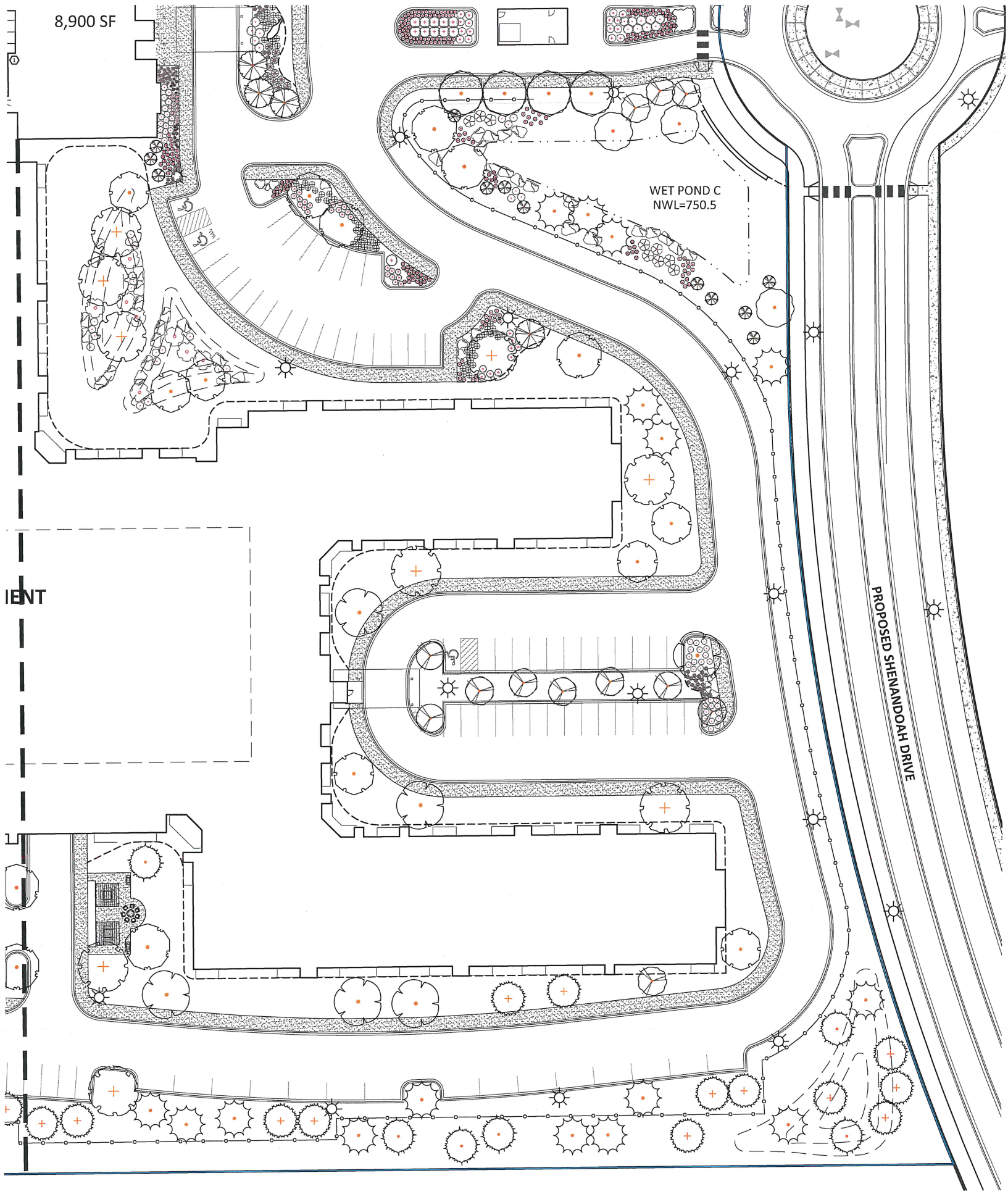
No.	Date	By	Submittal / Revision
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Sheet Title
WEST SHRUB PLAN & COURTYARD ENLARGEMENT

Sheet No. Revision
L1.02

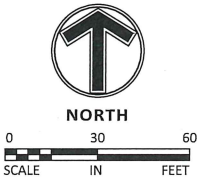
Project No. 20629.01

NOT FOR CONSTRUCTION



PLANT SCHEDULE EAST SHRUB				
SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	CONT	QTY
	YD	Cornus alba 'Bud's Yellow' / Bud's Yellow Dogwood	5 gal	9
	CD	Cornus sericea 'Alleman's Compact' / Dwarf Red Twig Dogwood	5 gal	16
	BH	Diervilla lonicera / Dwarf Bush Honeysuckle	5 gal	65
	WE	Euonymus alatus / Winged Euonymus	5 gal	8
	CE	Euonymus alatus 'Compactus' / Compact Burning Bush	5 gal	11
	MJ	Juniperus chinensis 'Mint Julep' / Mint Julep Juniper	5 gal	5
	BJ	Juniperus sabina 'Broadmoor' / Broadmoor Juniper	5 gal	10
	SJ	Juniperus sabina 'Scandia' / Scandia Juniper	5 gal	9
	PM	Pinus mugo 'Slowmound' / Mugo Pine	5 gal	24
	PT	Potentilla fruticosa 'Fargo' TM / Fargo Potentilla	5 gal	25
	TS	Spiraea betulifolia 'Tor' / Birchleaf Spirea	5 gal	39
	SR	Spiraea x vanhouttei 'Renaissance' / Vanhoutte Spirea	5"	14
ANNUALS/PERENNIALS	CODE	BOTANICAL NAME / COMMON NAME	CONT	QTY
	PS	Phlox stolonifera 'Pink Ridge' / Pink Ridge Creeping Phlox	1 gal	14
GRASSES	CODE	BOTANICAL NAME / COMMON NAME	CONT	QTY
	KFG	Calamagrostis x acutiflora 'Karl Foerster' / Feather Reed Grass	1 gal	26
	BOG	Helictotrichon sempervirens 'Sapphire' / Blue Oat Grass	1 gal	20
	LBS	Schizachyrium scoparium 'Blue Heaven' / Blue Heaven Little Bluestem	1 gal	8
PERENNIALS	CODE	BOTANICAL NAME / COMMON NAME	CONT	QTY
	PCF	Echinacea purpurea 'Rubinstern' / Purple Coneflower	1 gal	89
	BDL	Hemerocallis x 'Baja' / Baja Daylily	1 gal	23
	WLC	Nepeta x faassenii 'Walkers Low' / Walkers Low Catmint	1 gal	22
	BES	Rudbeckia fulgida 'Goldstrum' / Black Eyed Susan	1 gal	31
	AFS	Sedum x 'Autumn Fire' / Autumn Fire Sedum	1 gal	89

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Electrical Engineer
Registration No. 13585 Date: 05/01/2017
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Sheet Title
**EAST SHRUB
PLAN**

Sheet No. Revision
L1.03

Project No. 20629.01