



LANDSCAPE PLAN

SITE PLAN

SITE SECTIONS

LANDSCAPING LOCATION & TREATMENT

PROPOSED PLANTING

MATERIAL PALETTE

EXISTING TREES & VEGETATION

FENCES & WALLS

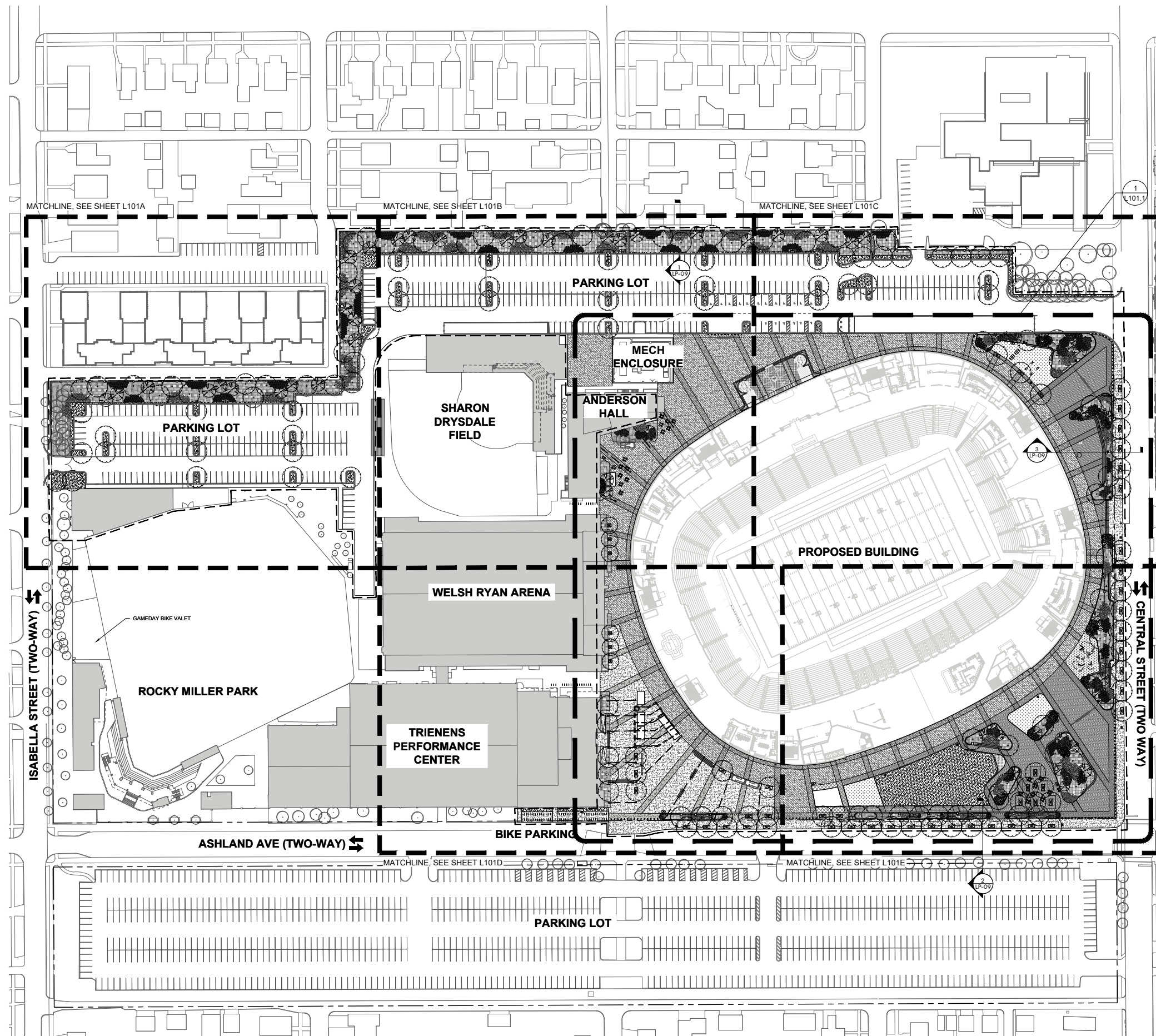
SITE LIGHTING PLAN

SHADOW ANALYSIS

PEDESTRIAN PATH

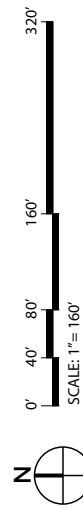


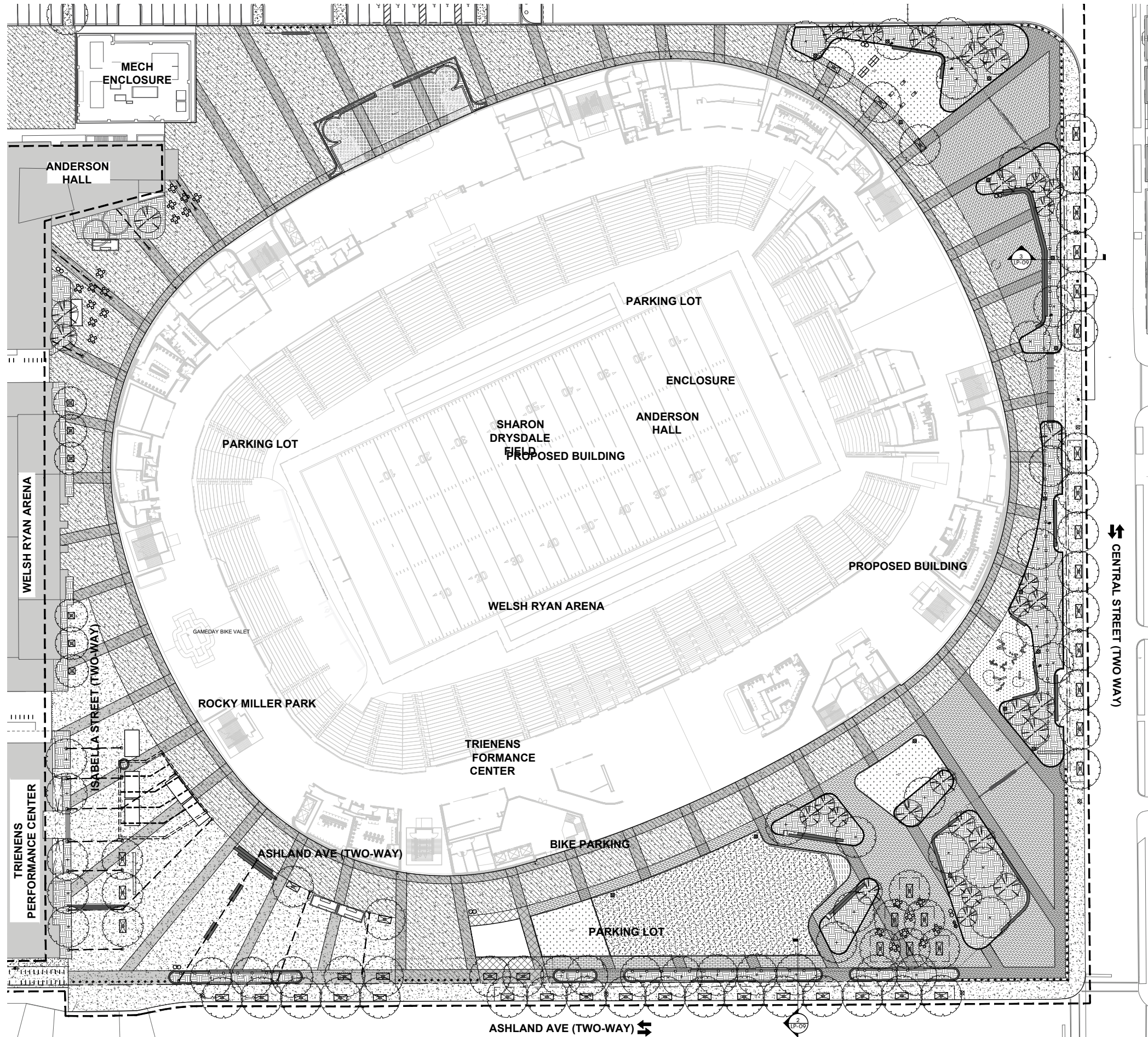
**NORTHWESTERN UNIVERSITY
RYAN FIELD REDEVELOPMENT
PLANNED DEVELOPMENT APPLICATION**



- PROPERTY LINE
- PROJECT LIMIT LINE (OFFSET 3' FOR CLARITY)
- 4.5H ORNAMENTAL WELDED WIRE FENCE
- 6H ORNAMENTAL WELDED WIRE FENCE
- 6H ORNAMENTAL METAL FENCE
- TEMPORARY FENCE, BY OTHERS
- PEDESTRIAN CONCRETE PAVING, TYPE 1
- PEDESTRIAN CONCRETE PAVING, TYPE 2
- VEHICULAR CONCRETE PAVING, TYPE 1
- VEHICULAR CONCRETE PAVING, TYPE 2
- PEDESTRIAN UNIT PAVERS, TYPE 1
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- PERMEABLE UNIT PAVING, TYPE 1
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- PIP RUBBER SURFACING
- AGGREGATE PAVING
- ARTIFICIAL TURF
- PEDESTAL PAVER PAVING, TYPE 1
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- CONCRETE STAIRS W/ HANDRAILS
- CONCRETE PLANTER, TYPE 1
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- RAISED CONCRETE CURB
- FLUSH CONCRETE CURB
- CONCRETE RETAINING WALL
- CONCRETE SEATWALL
- BLEACHER SEATING
- MOVEABLE GROUP PLATFORM SEATING
- WOOD SEATWALL TOPPER
- TRASH/RECYCLING RECEPTACLE
- DRINKING FOUNTAIN
- REMOVABLE BOLLARD
- PLAY ELEMENTS
- MOVEABLE TABLES AND CHAIRS
- TREE GRATE
- PING PONG TABLES
- CORN HOLE GAMES
- BICYCLE RACK
- BICYCLE REPAIR STATION
- PEDESTRIAN LIGHT POLE
- CATENARY LIGHTING
- EXISTING TREE TO REMAIN AND BE PROTECTED
- SHADE TREE
- ORNAMENTAL TREE
- SHRUBS
- SHRUBS/ PERENNIALS/ GROUNDCOVER

LANDSCAPE SITE PLAN





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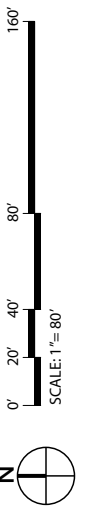
← CENTRAL STREET (TWO WAY)

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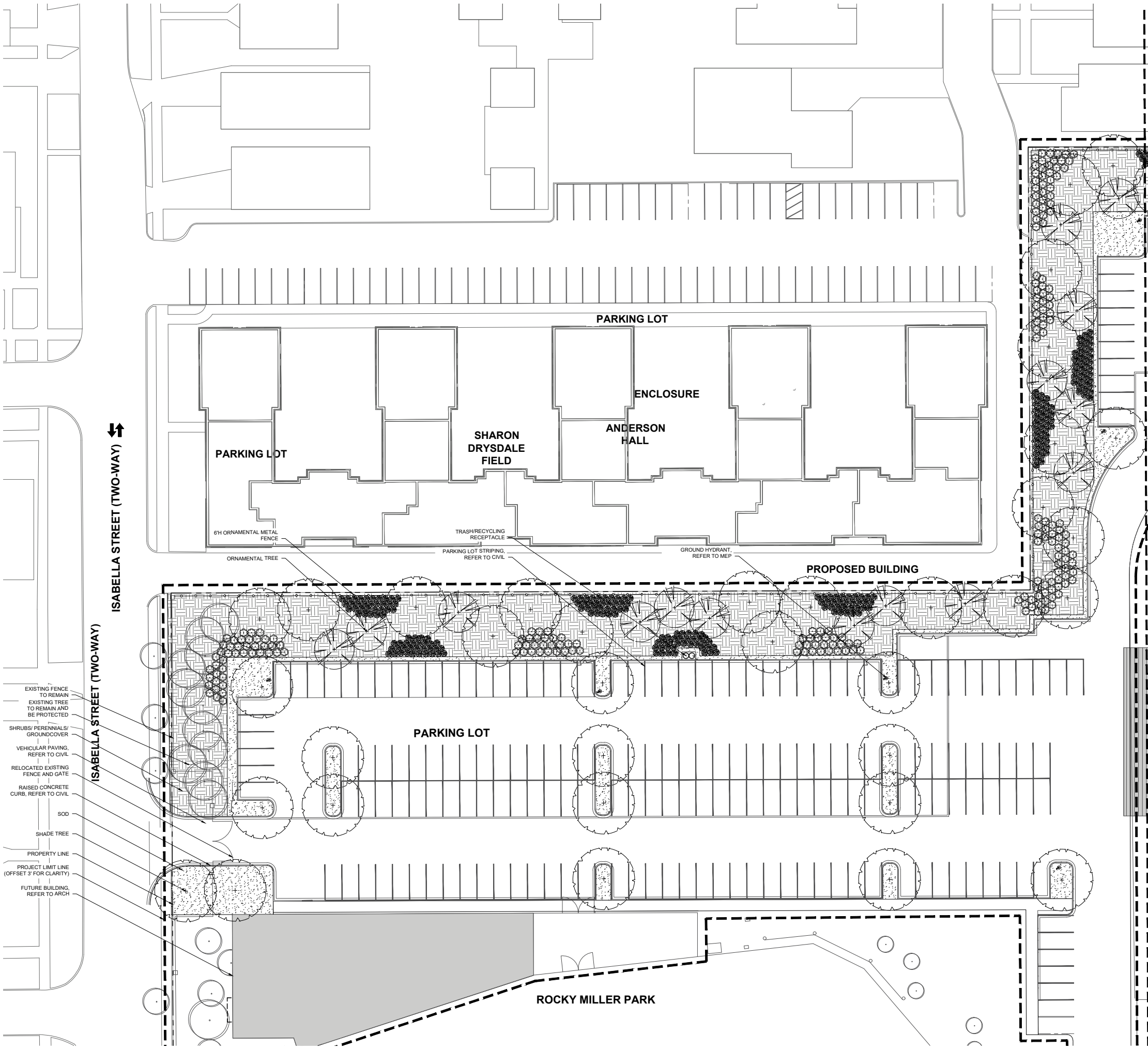
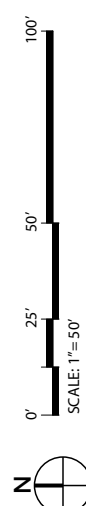


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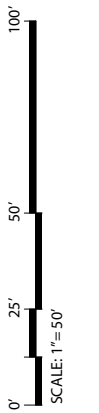


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LANDSCAPE SITE PLAN - ENLARGED

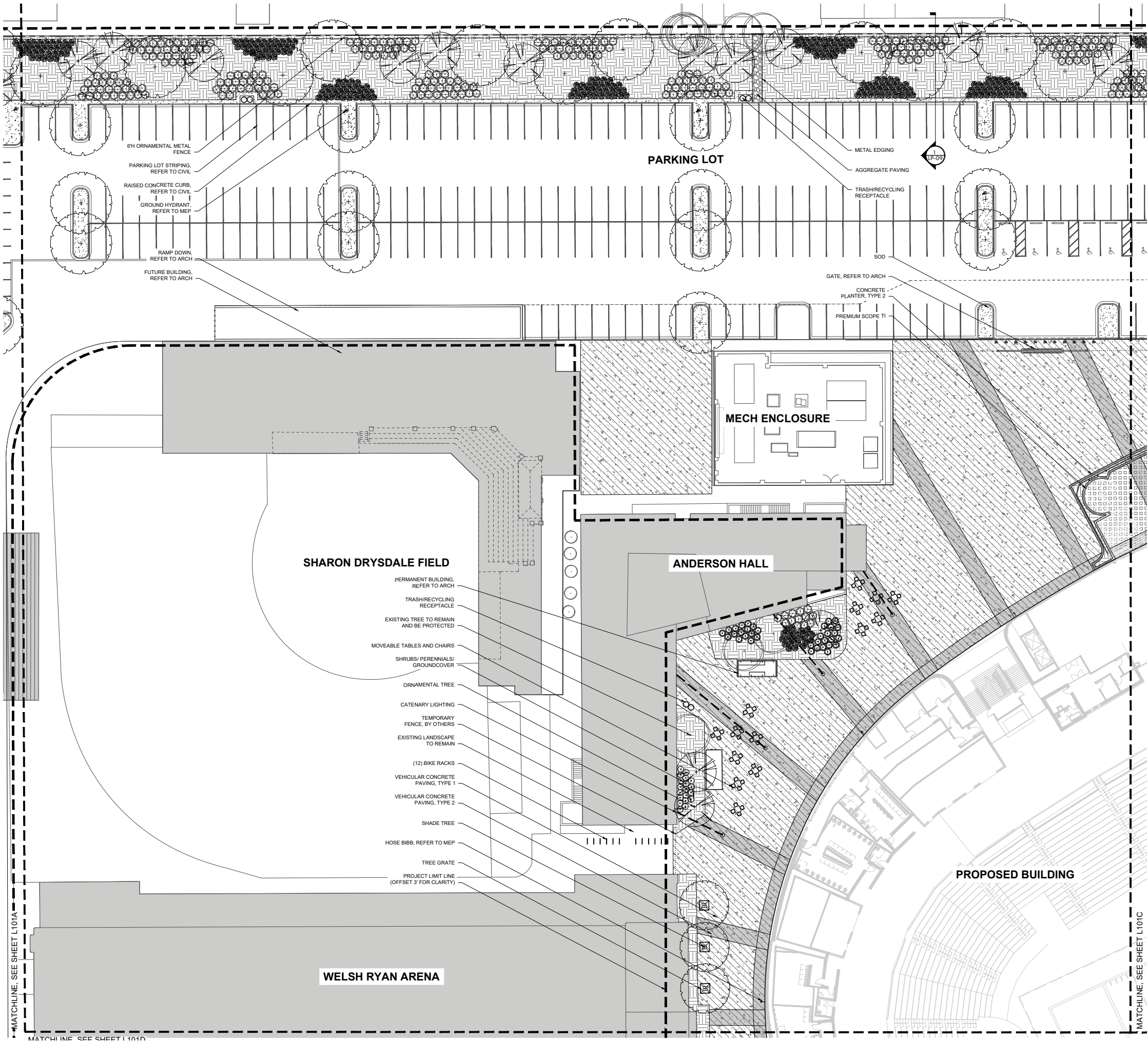


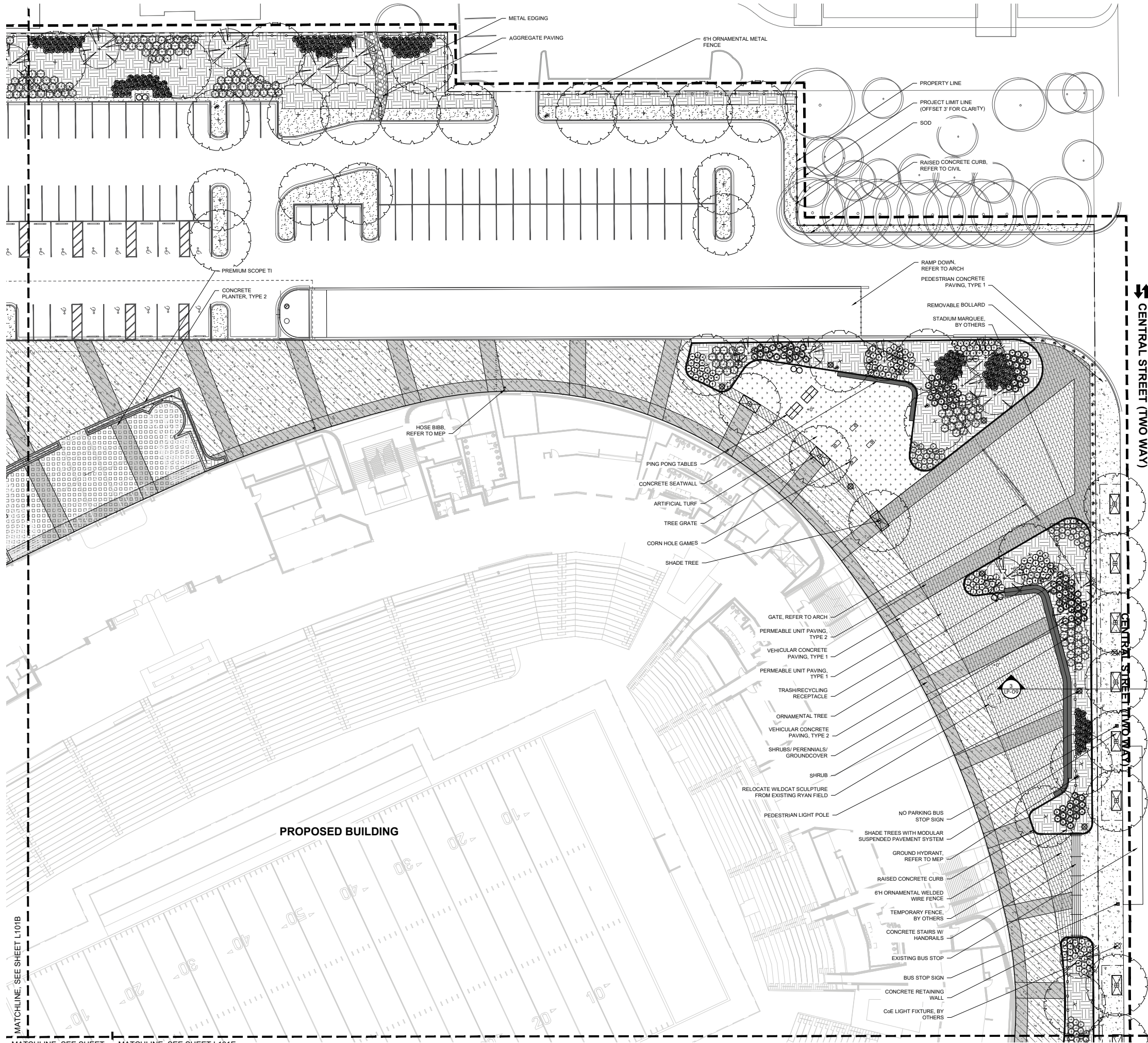
LP-05



site Landscape Architecture urban design

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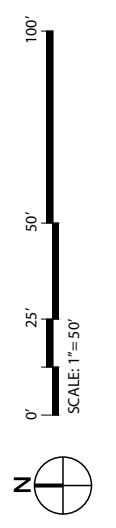


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MATCHLINE, SEE SHEET L101B

MATCHLINE, SEE SHEET L101C

CENTRAL STREET (TWO WAY)

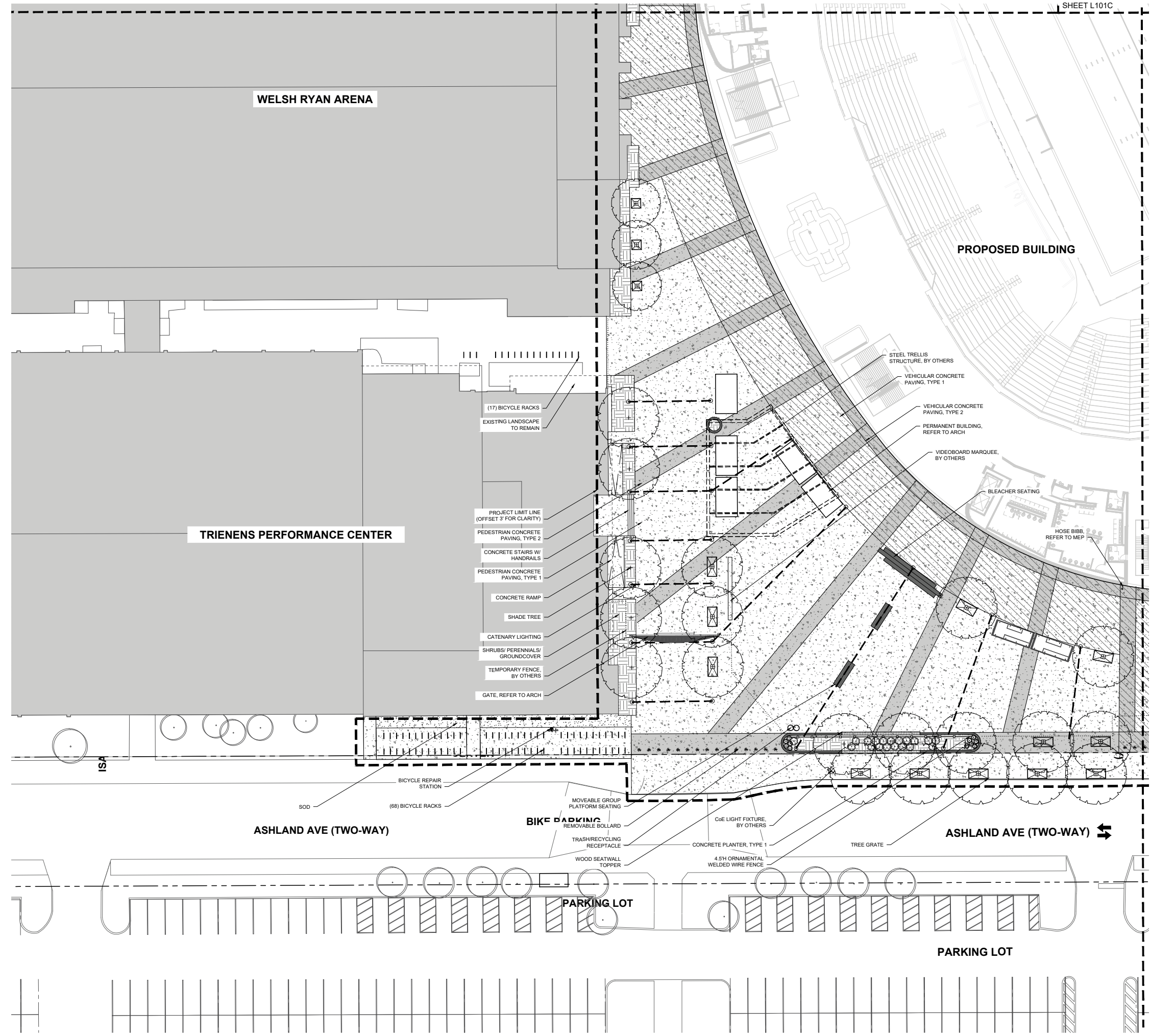
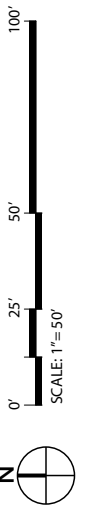
CENTRAL STREET (TWO WAY)



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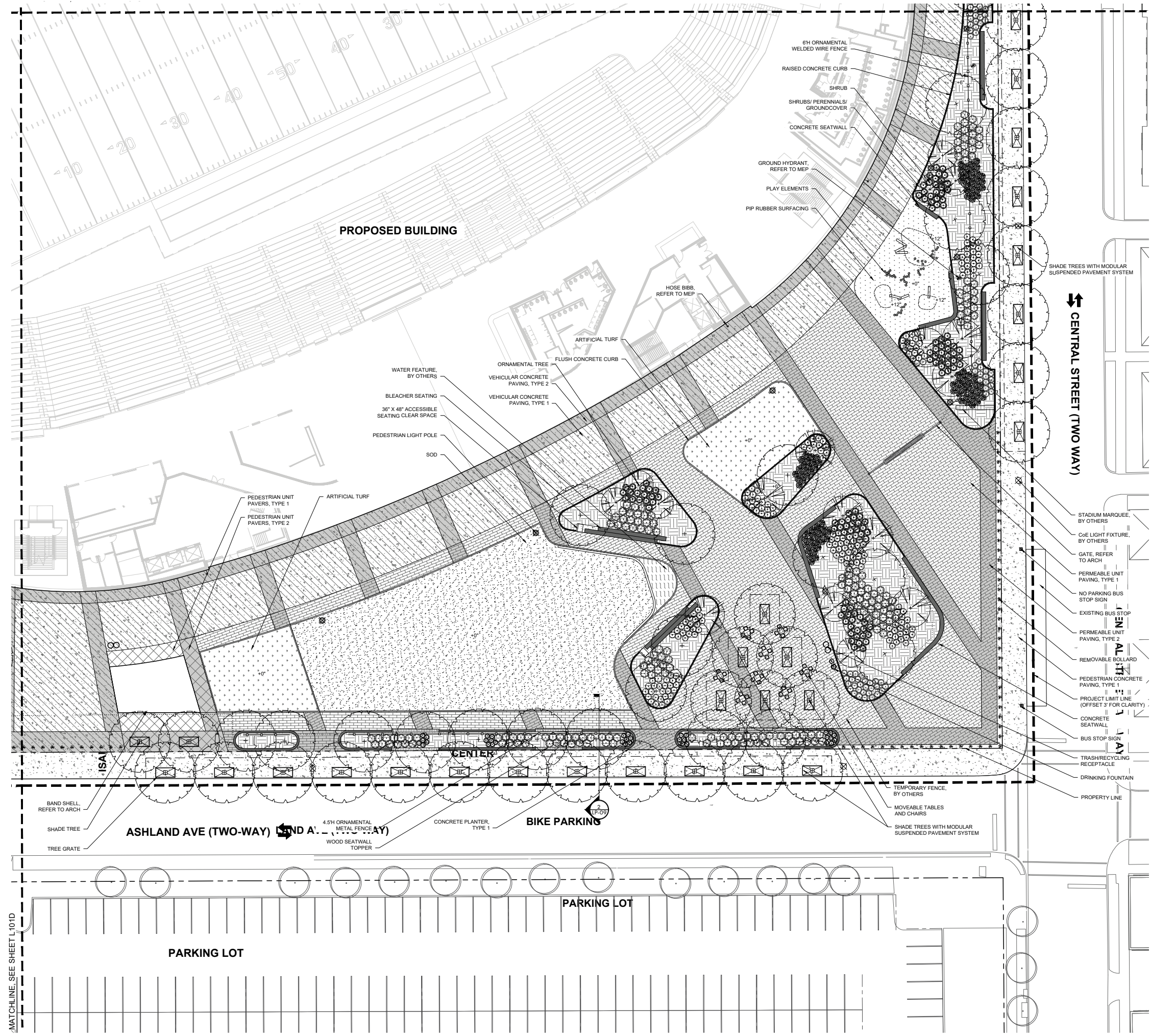
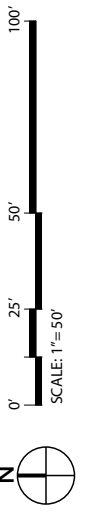


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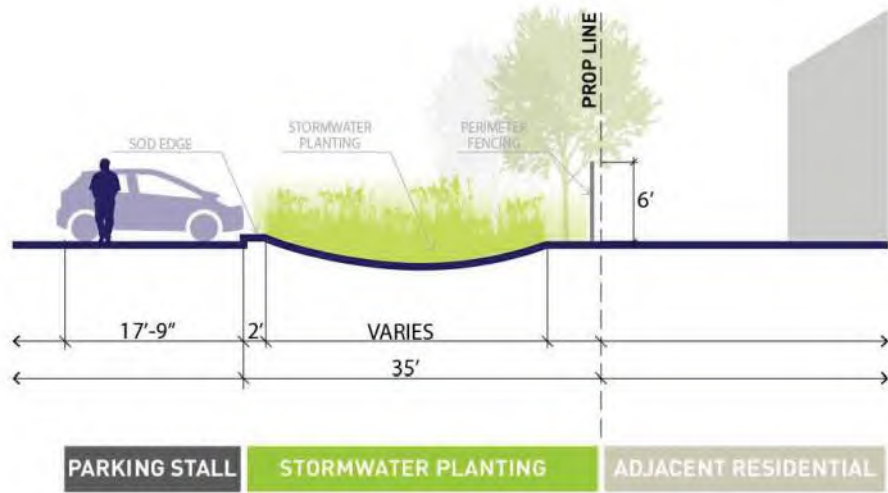


LP-08

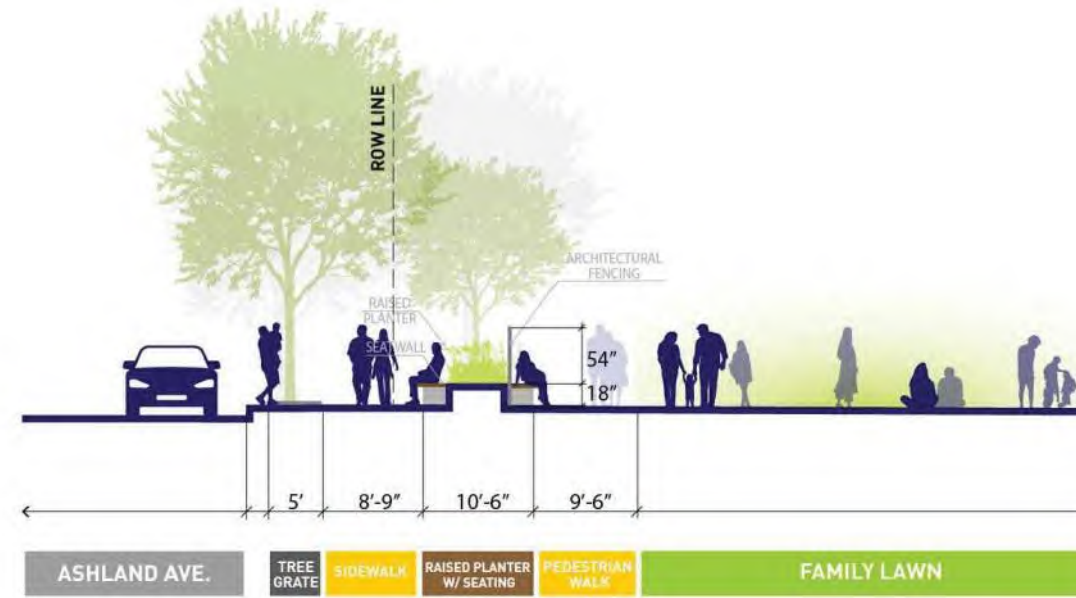


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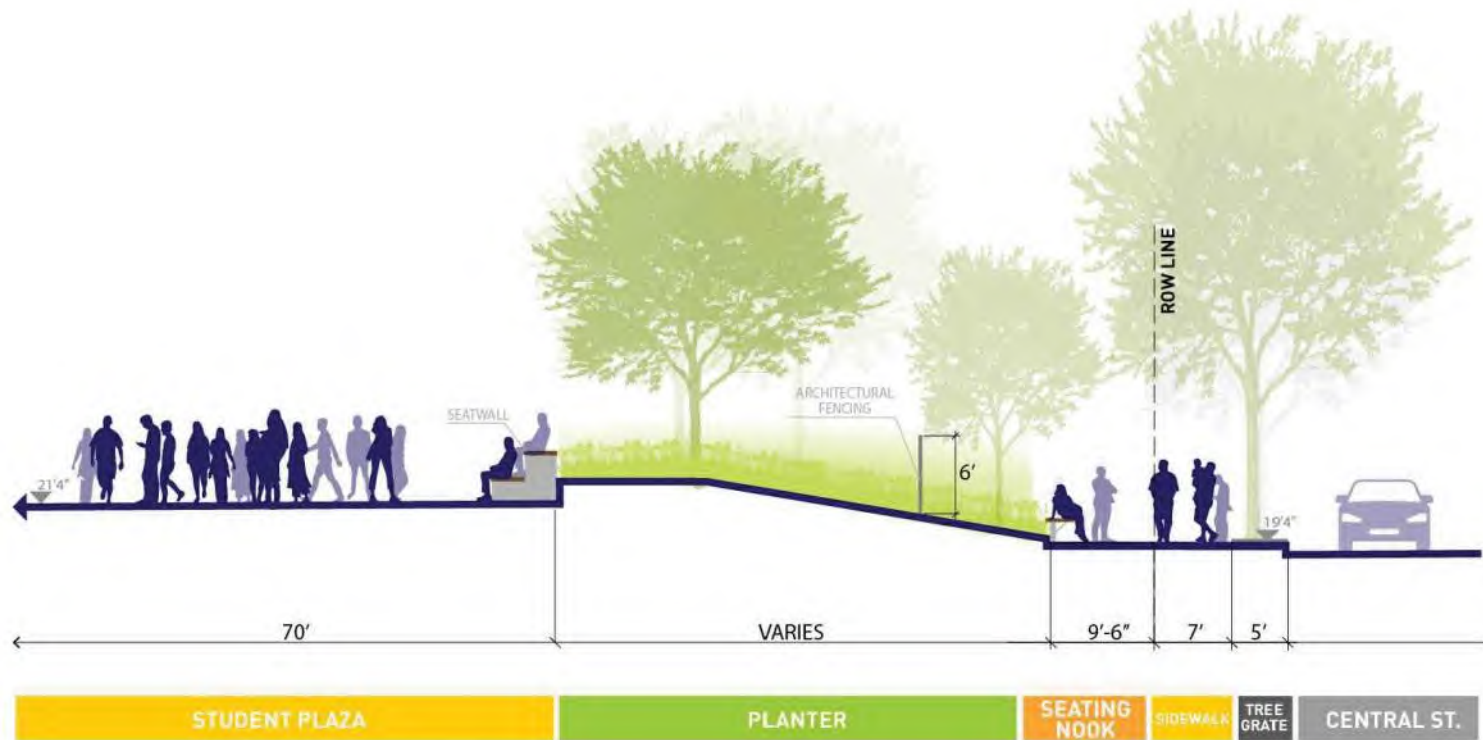
MATCHLINE SEE SHEET L101D



1 SITE SECTION
NTS



2 SITE SECTION
NTS

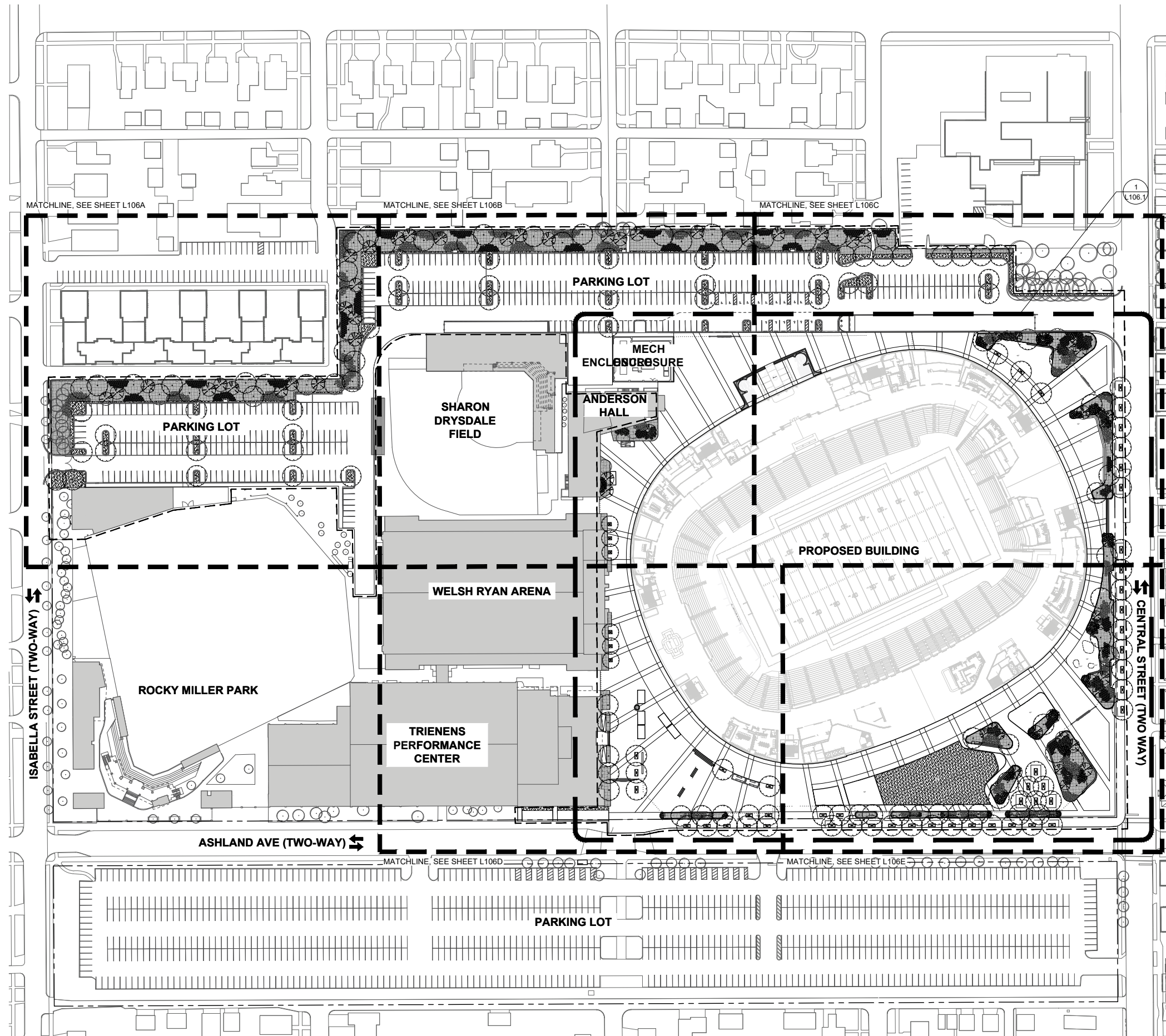


3 SITE SECTION
NTS





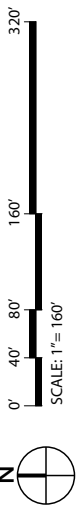
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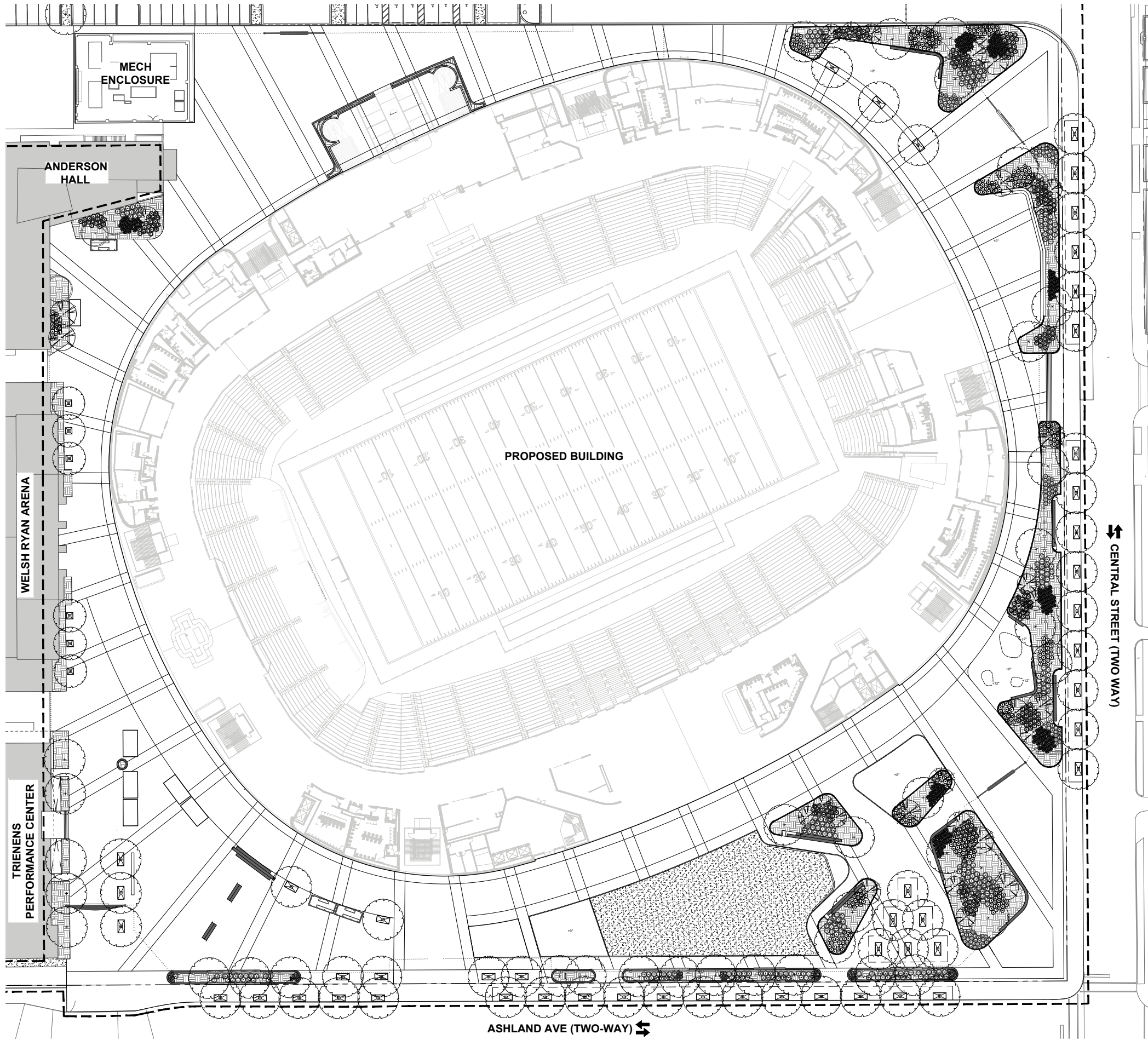


LEGEND

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LANDSCAPING LOCATION & TREATMENT





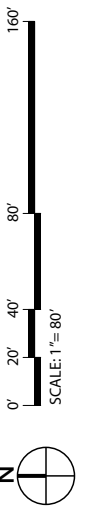
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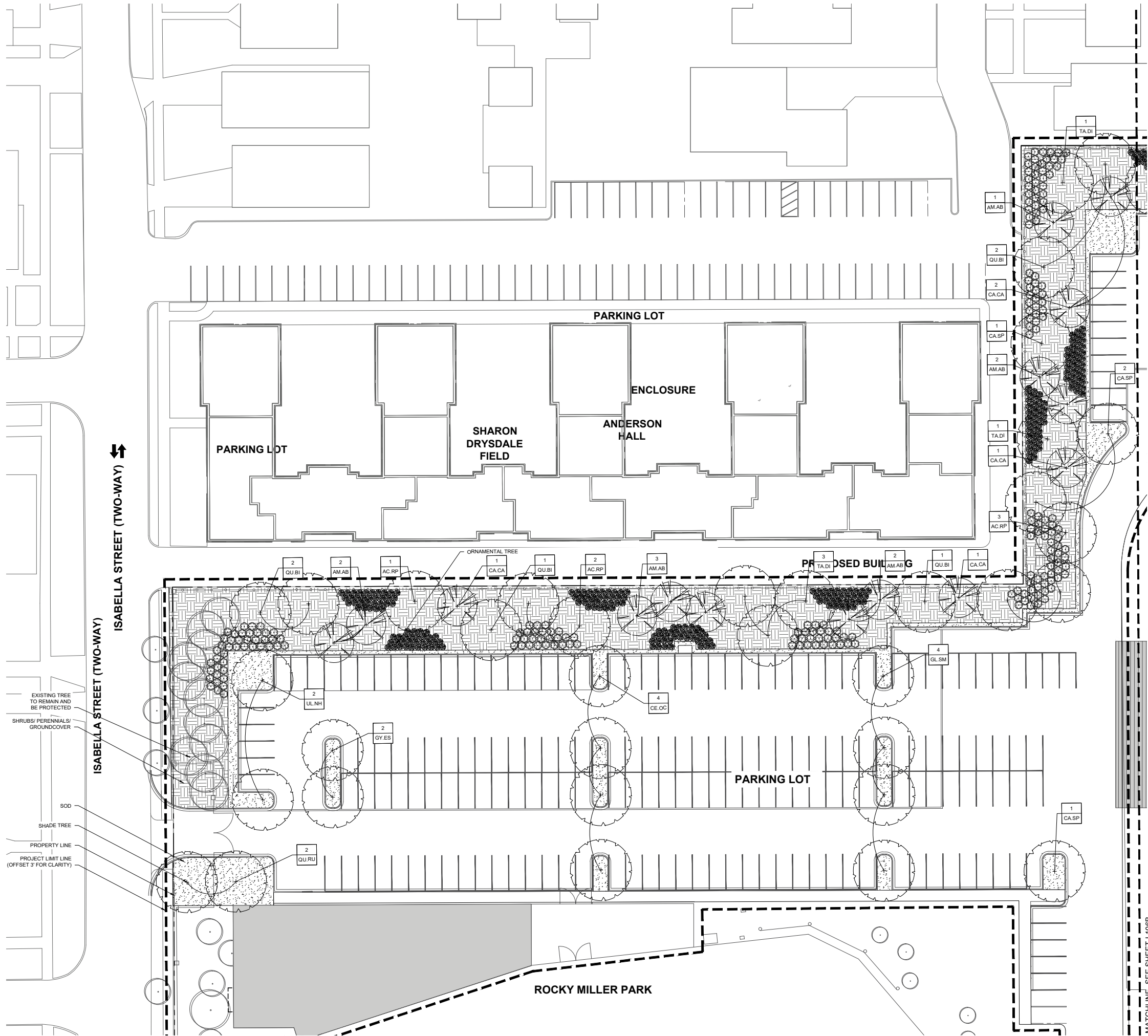
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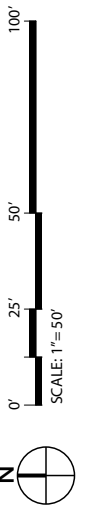
ISABELLA STREET (TWO-WAY) ↔

MATCHLINE. SEE SHEET L106B



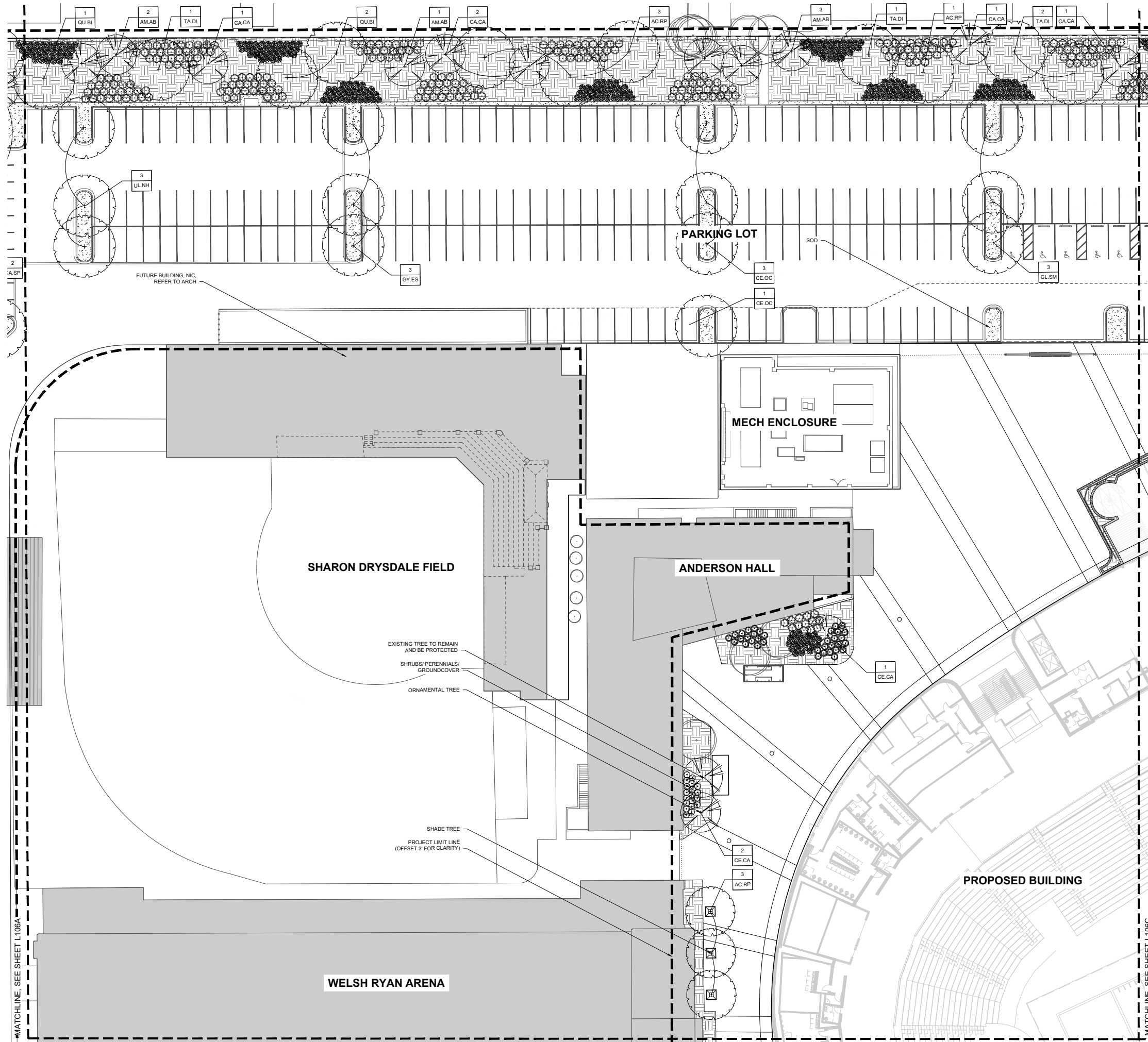
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HNTB
Perkins & Will
JUNE 23, 2023

LP-12



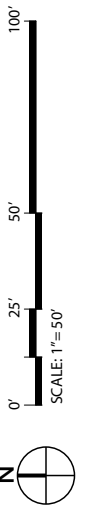
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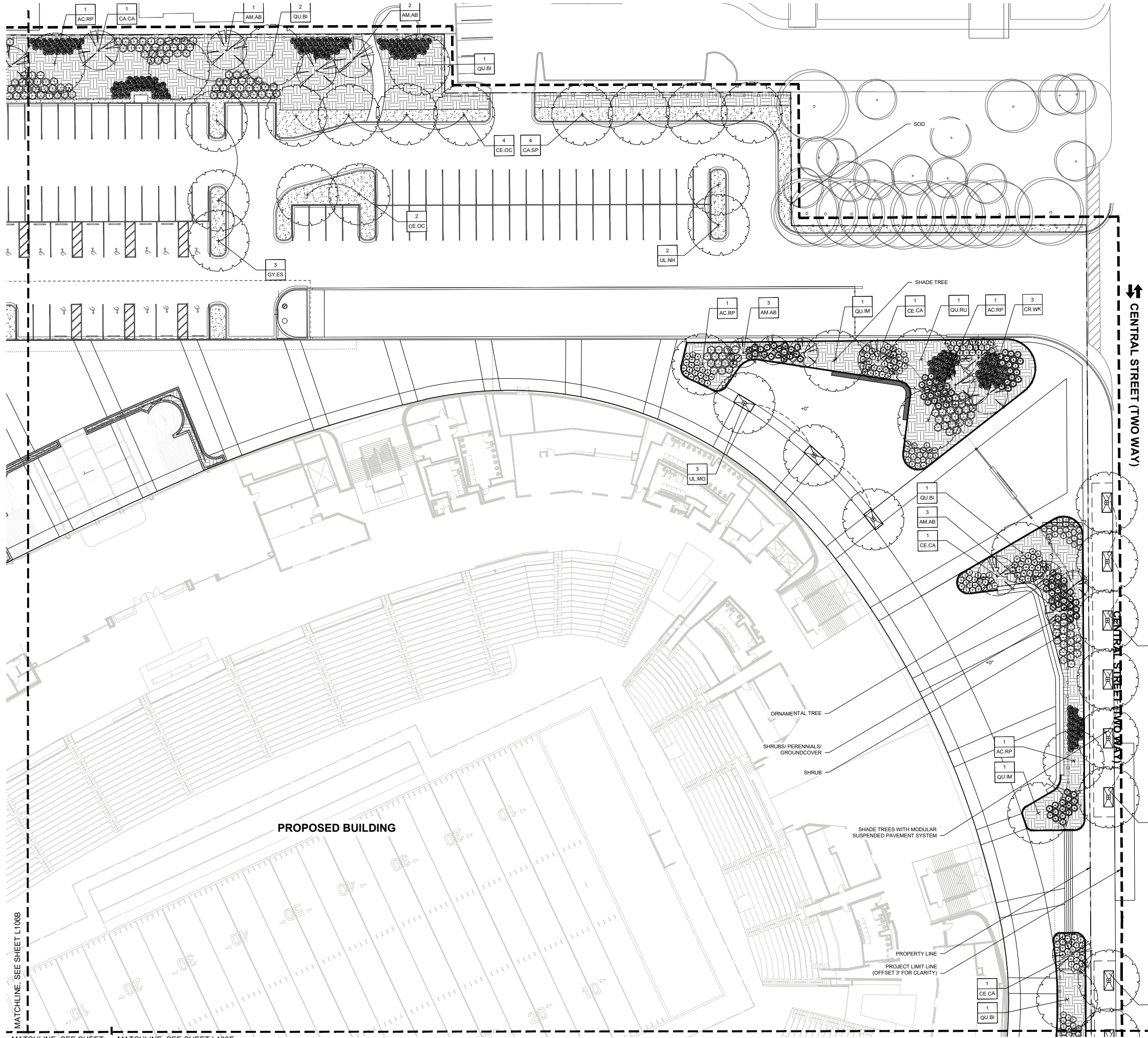
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HNTB
Perkins & Will
JUNE 23, 2023

LP-13



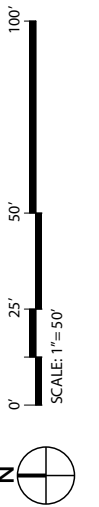
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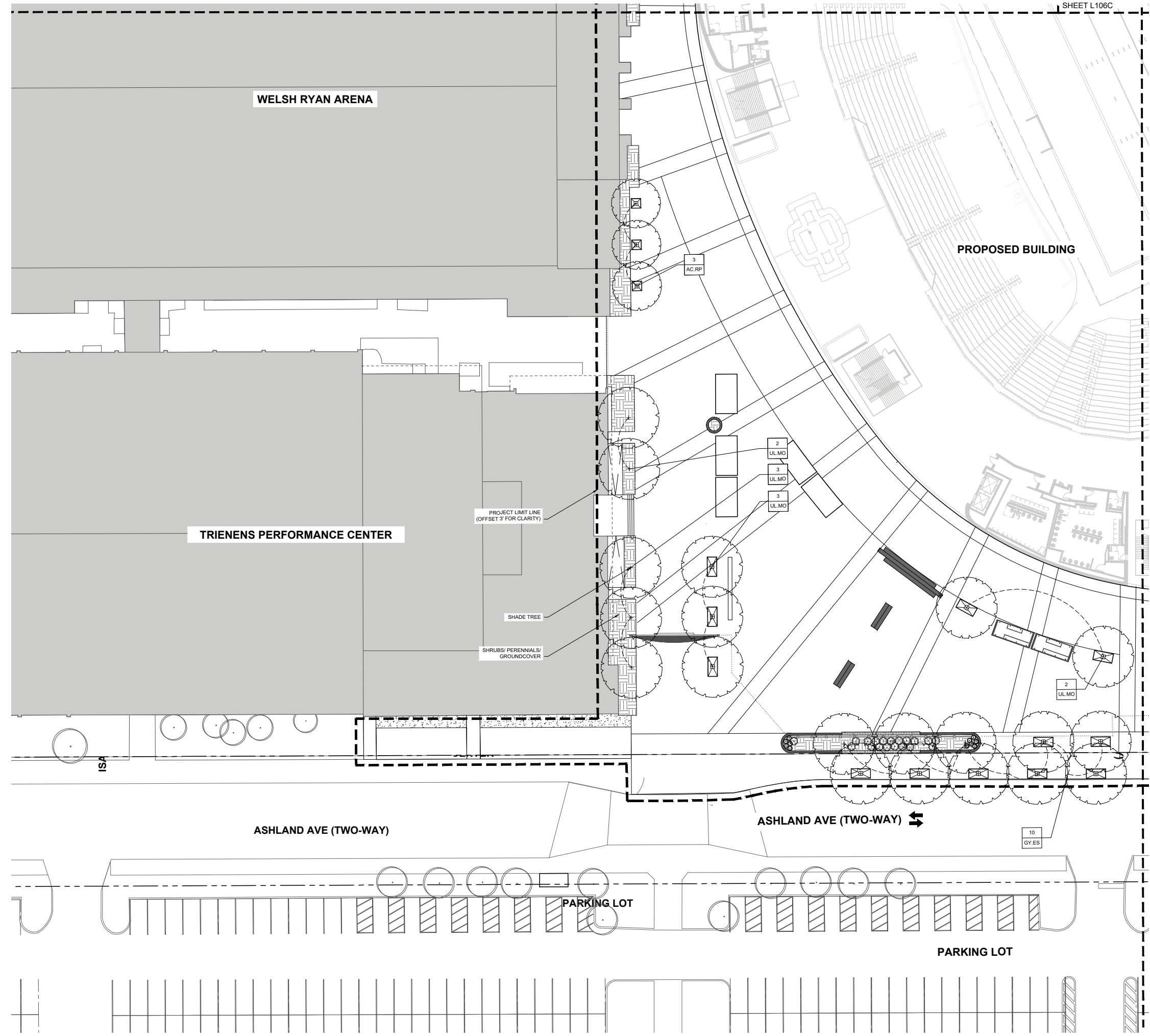
MATCHLINE - SEE SHEET L106E



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PROPOSED PLANTING - ENLARGED

- PROPERTY LINE
- PROJECT LIMIT LINE (OFFSET 3' FOR CLARITY)
- EXISTING TREE TO REMAIN AND BE PROTECTED
- SHADE TREE
- ORNAMENTAL TREE
- SHRUBS
- SHRUBS/ PERENNIALS/ GROUNDCOVER
- SOD



WELSH RYAN ARENA

TRIENENS PERFORMANCE CENTER

PROPOSED BUILDING

ASHLAND AVE (TWO-WAY)

ASHLAND AVE (TWO-WAY)

PARKING LOT

PARKING LOT

PROJECT LIMIT LINE (OFFSET 3' FOR CLARITY)

SHADE TREE

SHRUBS/ PERENNIALS/ GROUNDCOVER

3 AC.RP

2 UL.MO

3 UL.MO

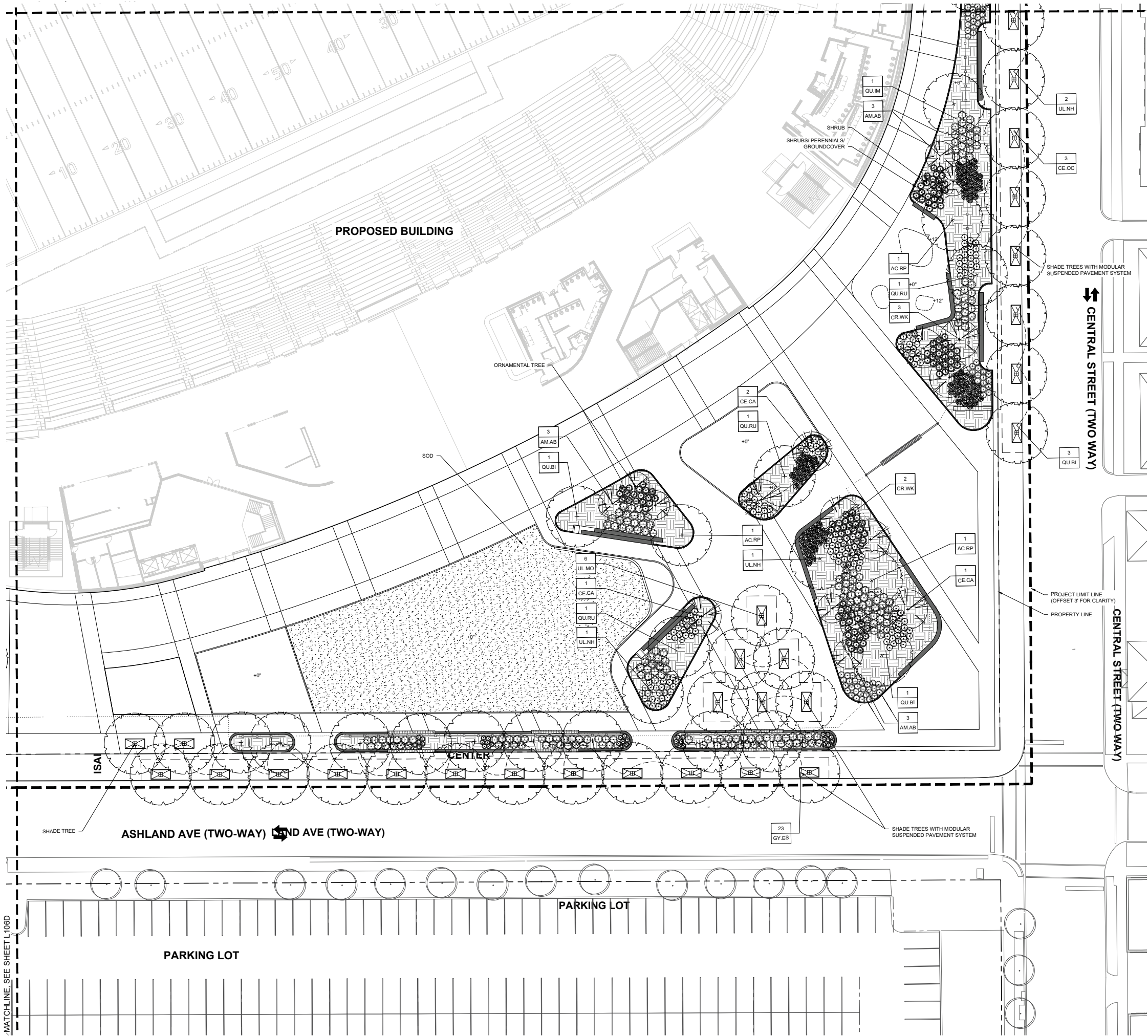
3 UL.MO

2 UL.MO

10 GY.ES

ISA

MAXIMUM OFF-CURB PLANTING



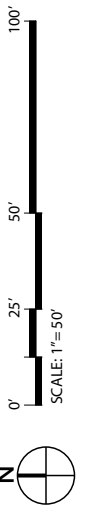
site
Landscape
architecture
urban design

- PROPERTY LINE
- - - PROJECT LIMIT LINE (OFFSET 3' FOR CLARITY)
- EXISTING TREE TO REMAIN AND BE PROTECTED
- SHADE TREE
- ORNAMENTAL TREE
- SHRUBS
- SHRUBS/PERENNIALS/GROUNDCOVER
- SOD

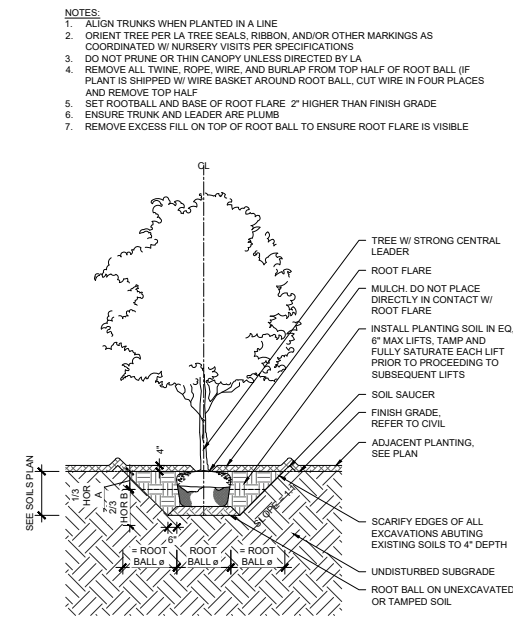


**NORTHWESTERN UNIVERSITY
RYAN FIELD REDEVELOPMENT
PLANNED DEVELOPMENT APPLICATION**

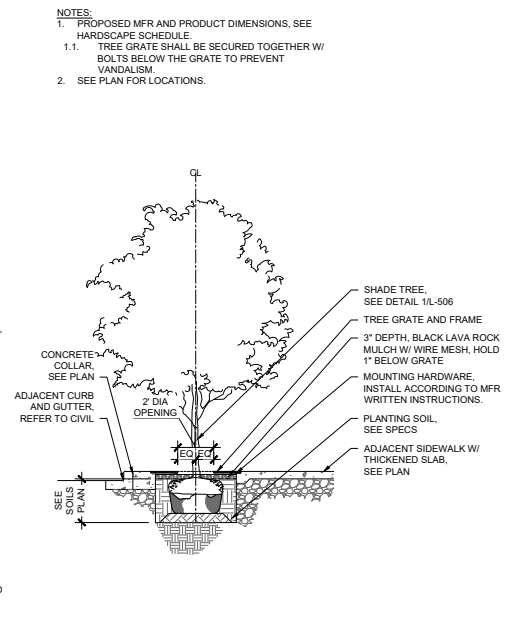
PROPOSED PLANTING - ENLARGED



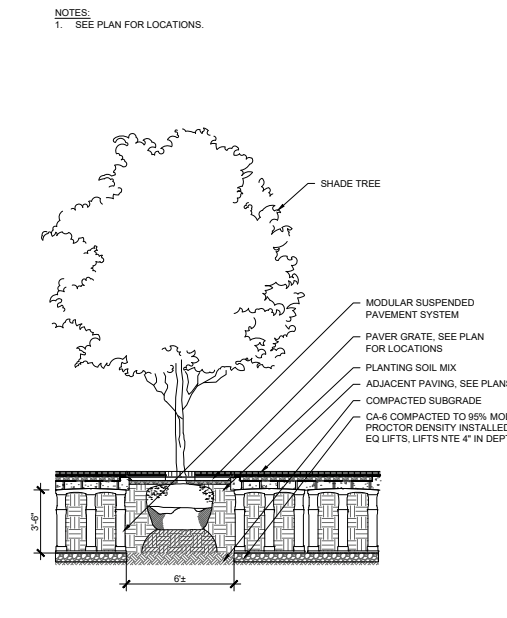
MATCHLINE - SEE SHEET L106D



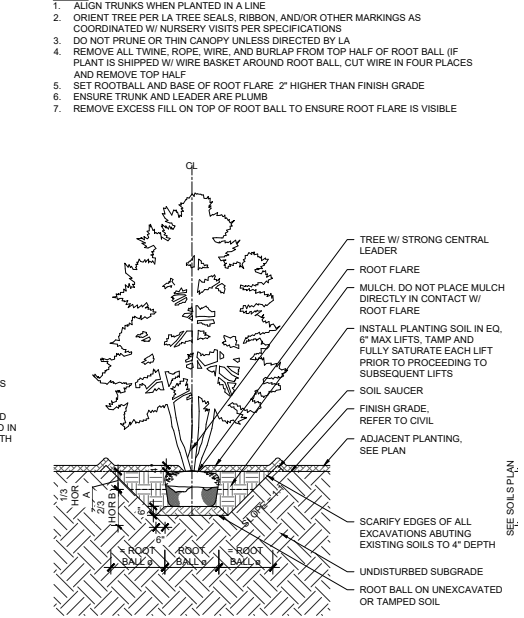
1 SHADE TREE SECTION



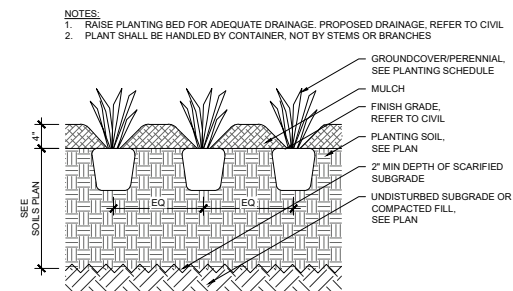
2 SHADE TREE WITHIN PARKWAY GRATE SECTION



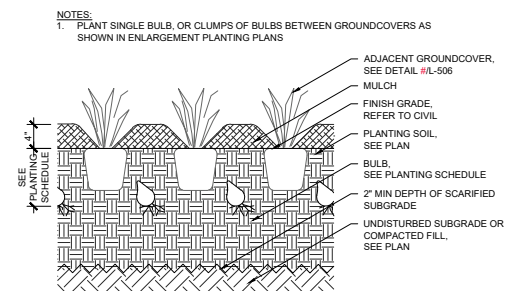
3 SHADE TREE WITH MODULAR SUSPENDED PAVEMENT SYSTEM



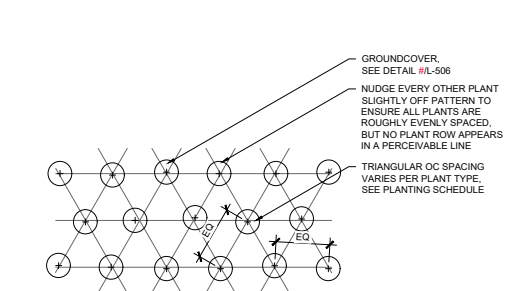
4 MULTI-STEM TREE SECTION



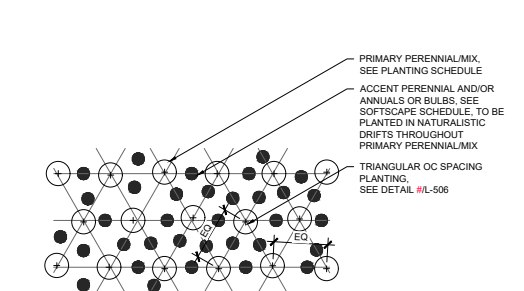
6 GROUNDCOVER/PERENNIAL SECTION



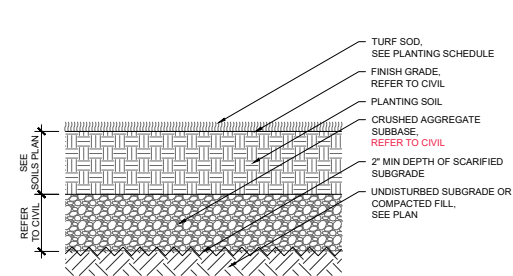
7 BULB SECTION



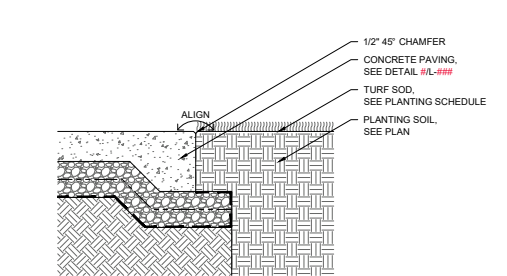
8 TRIANGULAR SPACING PLANTING PLAN



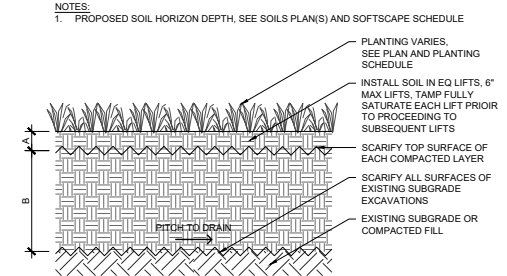
9 GROUNDCOVER INTERPLANTING PLAN



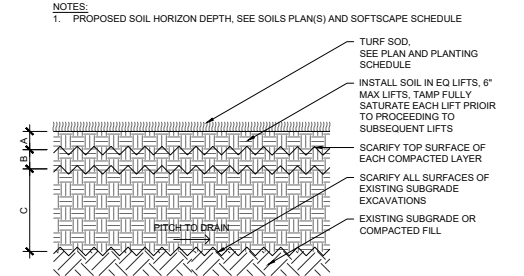
10 SOD SECTION



11 SOD TO CONCRETE PAVING SECTION



12 PLANTING SOIL SECTION



13 SOD PLANTING SOIL SECTION



NORTHWESTERN UNIVERSITY
RYAN FIELD REDEVELOPMENT
PLANNED DEVELOPMENT APPLICATION

PLANT CODE	QUANTITY	SCIENTIFIC NAME	COMMON NAME	ROOT	SIZE	REMARKS	NATIVE/CULTVAR	ADAPTIVE	YES	NO	YES	NO
GL SM	3	Gleditsia triacanthos var. inermis 'Shademaster'	Shademaster Honey Locust	B&B	4" cal	6' clear branch height, Matching	yes	yes				
QU BI	10	Quercus bicolor	Swamp White Oak	B&B	4" cal	6' clear branch height, Matching	yes	yes				
QU IM	3	Quercus imbricaria	Shingle Oak	B&B	4" cal	6' clear branch height, Matching	yes	yes				
QU RU	4	Quercus rubra	Northern Red Oak	B&B	4" cal	6' clear branch height, Matching	yes	yes				
UL NH	5	Ulmus 'New Horizon'	New Horizon Elm	B&B	4" cal	6' clear branch height, Matching	no	yes				
UL MO	19	Ulmus 'Morton Glossy'	Triumph Elm	B&B	6" cal	6' clear branch height, Matching	no	yes				
TOTAL NUMBER OF PROPOSED 4" CAL SHADE TREES: (92)												
(366")												
ORNAMENTAL TREES												
AM AB	15	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	B&B	10' ht, Multi	Multi stem, with a minimum of 5-8, 2" cal canes	yes	yes				
CE CA	10	Cercis canadensis	Eastern Redbud	B&B	10' ht, Multi	Multi stem, with a minimum of 3-5, 2" cal canes. Northern Strain only	yes	yes				
CR WK	8	Crataegus viridis 'Winter King'	Winter King Hawthorn	B&B	2" cal		yes	yes				
SHRUBS												
CO BC		Cornus sericea 'Bergeson Compact'	Bergeson Compact Red Twig Dogwood	cont	24" ht	42" o.c.		yes	yes			
DI KO		Diervilla Kodak® Orange	Kodiak Orange Bush Honeysuckle	cont	24" w	36" o.c.		yes	yes			
HY LI		Hydrangea arborescens 'NCHA8' LIMETTA	Invincible Limetta Smooth Hydrangea	cont	18" ht	30" o.c.		yes	yes			
HY JA		Hydrangea paniculata 'Jane'	Little Lime Hydrangea	cont	24" ht	36" o.c.		no	yes			
RH GL		Rhus aromatica 'Grow Low'	Grow Low Fragrant Sumac	cont	24" w	30" o.c.		yes	yes			
RO WS		Rosa rugosa 'JACRUWH'	Wild Spice Rose	cont	18" ht	30" o.c.		no	yes			
TOTAL PLANTING AREA: 30,000 SF												
12,500 SF @ 36" o.c. = 1,080												
Approximately (1,300) 5 gallon shrubs												
EVERGREEN SHRUBS												
GL SM	3	Juniperus virginiana 'Grey Owl'	Grey Owl Juniper	cont	24" w	48" o.c.		yes	yes			
JU GO	33	Taxus x media 'Everlow'	Everlow Yew	cont	24" w	42" o.c.		no	yes			
QU BI	10	ORNAMENTAL GRASSES, PERENNIALS, & GROUNDCOVERS										
QU IM	3	Allium 'Millenium'	Millenium Allium	cont	#1	18" o.c.		no	yes			
QU RU	4	Amsosa 'Blue Ice'	Blue Ice Blue Star	cont	#1	15" o.c.		yes	yes			
UL NH	5	Amsosa tabernaemontana 'Storm Cloud'	Storm Cloud Blue Star	cont	#1	18" o.c.		yes	yes			
UL MO	19	Baptisia australis 'Purple Smoke'	Purple Smoke False Indigo	cont	#2	24" o.c.		yes	yes			
CA KF		Calamagrostis x acutiflora 'Karl Foerster'	Feather Reed Grass	cont	#2	21" o.c.		no	yes			
CA NE		Calamintha nepeta ssp. Nepeta	Lesser Calamint	cont	#1	15" o.c.		no	yes			
CE PL		Ceratostigma plumbaginoides	Hardy Plumbago	pot	4"	8" o.c.		no	yes			
EC AL		Echinacea purpurea 'Alba'	White Purple Coneflower	cont	#1	18" o.c.		yes	yes			
CE CA	10	Geranium x cantabrigiense 'Biokovo	Biokovo Cranesbill	cont	#1	15" o.c.		no	yes			
HE PP		Heuchera 'Palace Purple	Palace Purple Coral Bells	cont	#1	18" o.c.		no	yes			
OR WK	8	Panicum virgatum 'Northwind'	Northwind Switch Grass	cont	#2	24" o.c.		yes	yes			
SHRUBS		Pycnanthemum muticum	Mountain Mint	cont	#1	18" o.c.		yes	yes			
CO BC		Salvia x sylvestris 'Mansacht' MAY NIGHT	May Night Salvia	cont	#1	18" o.c.		no	yes			
SC CA		Schizachyrium scoparium 'Standing Ovation'	Standing Ovation Little Bluestem	cont	#1	18" o.c.		yes	yes			
HY LI		Sesleria autumnalis	Autumn Moor Grass	cont	#1	12" o.c.		no	yes			
SP TA		Sporobolus heterolepis	Prairie Dropseed	cont	#1	18" o.c.		yes	yes			
HY JA		Symphoricarpon novae-angliae 'Purple Dome'	Purple Dome Aster	cont	#1	15" o.c.		yes	yes			
RH GL		Vinca minor 'Bowles Variety'	Bowles Variety Periwinkle	pot	4"	8" o.c.		no	yes			
RO WS		Bulbs										
AL ME		Allium 'Mount Everest'	Mount Everest Flowering Onion	bulb	18 cm	1 per sf	n/a	n/a				
JU GO		Allium 'Globemaster'	Globemaster Flowering Onion	bulb	22 cm	1 per sf	n/a	n/a				
LE GG		Leucocjum aestivum 'Gravetye Giant'	Summer Snowflake	blub	14 cm	4 per sf	n/a	n/a				
NAMH		Narcissus 'Mount Hood'	Mount Hood Daffodil	blub	16 cm	2 per sf	n/a	n/a				
TU NE		Tulipa Triumph 'Negrita'	Purple Triumph Tulip	blub	12 cm	2 per sf	n/a	n/a				
TOTAL PLANTING AREA: 30,000 SF												
Bulbs @ 10% of area: 3,000 SF												
3,000 SF @ 3 per SF= 9,000												
Approximately (9,000) bulbs												
TOTAL PROPOSED CALIPER INCHES FOR TREES AROUND STADIUM (432")												
* Native or native cultivar species that support monarch butterflies												

PLANT CODE	QUANTITY	SCIENTIFIC NAME	COMMON NAME	ROOT	SIZE	REMARKS	NATIVE/CULTVAR	ADAPTIVE	YES	NO	YES	NO
CA NE		Calamintha nepeta ssp. Nepeta	Lesser Calamint	cont	#1	15" o.c.		no	yes			
CE PL		Ceratostigma plumbaginoides	Hardy Plumbago	pot	4"	8" o.c.		no	yes			
EC AL		Echinacea purpurea 'Alba'	White Purple Coneflower	cont	#1	18" o.c.		yes	yes			
CE CA		Geranium x cantabrigiense 'Biokovo	Biokovo Cranesbill	cont	#1	15" o.c.		no	yes			
HE PP		Heuchera 'Palace Purple	Palace Purple Coral Bells	cont	#1	18" o.c.		no	yes			
PANW		Panicum virgatum 'Northwind'	Northwind Switch Grass	cont	#2	24" o.c.		yes	yes			
PY MJ		Pycnanthemum muticum	Mountain Mint	cont	#1	18" o.c.		yes	yes			
SAMN		Salvia x sylvestris 'Mansacht' MAY NIGHT	May Night Salvia	cont	#1	18" o.c.		no	yes			
SC CA		Schizachyrium scoparium 'Standing Ovation'	Standing Ovation Little Bluestem	cont	#1	18" o.c.		yes	yes			
SE AU		Sesleria autumnalis	Autumn Moor Grass	cont	#1	12" o.c.		no	yes			
SP TA		Sporobolus heterolepis	Prairie Dropseed	cont	#1	18" o.c.		yes	yes			
SY PD		Symphoricarpon novae-angliae 'Purple Dome'	Purple Dome Aster	cont	#1	15" o.c.		yes	yes			
VBV		Vinca minor 'Bowles Variety'	Bowles Variety Periwinkle	pot	4"	8" o.c.		no	yes			
TOTAL PLANTING AREA: 30,000 SF												
Bulbs @ 10% of area: 3,000 SF												
3,000 SF @ 3 per SF= 9,000												
Approximately (9,000) bulbs												
TOTAL PROPOSED CALIPER INCHES FOR TREES AROUND STADIUM (432")												
* Native or native cultivar species that support monarch butterflies												

PLANT PALETTE - STADIUM

PLANT CODE	QUANTITY	SCIENTIFIC NAME	COMMON NAME	ROOT	SIZE	REMARKS	NATIVE/CULTVAR	ADAPTIVE	YES	NO	YES	NO
AC RP	11	Acer rubrum 'Frank Jr.' PP #16,769	Redpoint® Red Maple	B&B	4" cal	6' clear branch height, Matching	yes	yes				
CA SP	8	Catalpa speciosa	Northern Catalpa	B&B	4" cal	6' clear branch height, Matching	yes	yes				
CE OC	14	Celtis occidentalis	Common Hackberry	B&B	4" cal	6' clear branch height, Matching	yes	yes				
GL SM	7	Gleditsia triacanthos var. inermis 'Shademaster'	Shademaster Honey Locust	B&B	4" cal	6' clear branch height, Matching	yes	yes				
GY ES	8	Gymnocladus dioica 'Espresso'	Espresso Kentucky Coffeetree	B&B	4" cal	6' clear branch height, Matching	yes	yes				
QU BI	12	Quercus bicolor	Swamp White Oak	B&B	4" cal	6' clear branch height, Matching	yes	yes				
QU RU	2	Quercus rubra	Northern Red Oak	B&B	4" cal	6' clear branch height, Matching	yes	yes				
TA DI	9	Taxodium distichum	Bald Cypress	B&B	4" cal	6' clear branch height, Matching	yes	yes				
UL NH	6	Ulmus 'New Horizon'	New Horizon Elm	B&B	4" cal	6' clear branch height, Matching	no	yes				
TOTAL NUMBER OF PROPOSED 4" CAL SHADE TREES: (77)												
TOTAL PROPOSED CALIPER INCHES: (308")												
ORNAMENTAL TREES												
AM AB	19	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	B&B	10' ht, Multi	Multi stem, with a minimum of 5-8, 2" cal canes	yes	yes				
CA CA	11	Carpinus caroliniana	American Hornbeam	B&B	2" cal		yes	yes				
TOTAL NUMBER OF PROPOSED 2" CAL ORNAMENTAL TREES: (30)												
TOTAL PROPOSED CALIPER INCHES: (60")												
SHRUBS												
AR ME		Aronia melanocarpa 'Autumn Magic'	Autumn Magic Black Chokeberry	cont	24" ht	48" o.c.	yes	yes				
CO CA		Cornus sericea 'Cardinal'	Cardinal Red Twig Dogwood	cont	36" ht	48" o.c.	yes	yes				
IT MO		Ilex virginica 'Morton'	Scarlet Beauty™ Virginia Sweetpire	cont	24" ht	48" o.c.	yes	yes				
TOTAL PLANTING AREA: 49,500 SF												
SHRUBS AREA @ 25% = 12,375												
12,375 SF @ 36" o.c. = 1,400												
Approximately (1,400) 5 gallon shrubs												
PERENNIALS												
AS SY		Asclepias syriaca	Common Milkweed	cont	#1	18" o.c.		yes	yes			
AS TU		Asclepias tuberosa	Butterflyweed	cont	#1	18" o.c.		yes	yes			
AS IN		Asclepias incarnata	Swamp Milkweed	cont	#1	21" o.c.		yes	yes			
EC PU		Echinacea purpurea	Purple coneflower	cont	#1	18" o.c.		yes	yes			
MO FI		Monarda fistulosa	Wild Bergamot	cont	#1	18" o.c.		yes	yes			
PAM		Panicum virgatum	Switchgrass	cont	#2	24" o.c.		yes	yes			
VE M		Veronicastrum virginicum	Culver's Root	cont	#1	21" o.c.		yes	yes			
TOTAL PLANTING AREA: 49,500 SF												
PERENNIALS AREA @ 15% = 7,400												
7,400 SF @ 18" o.c. = 3,800												
Approximately (3,800) 1 gallon perennials												
TOTAL PROPOSED CALIPER INCHES FOR TREES IN PARKING LOT / LANDSCAPE BUFFER: (368")												
* Native or native cultivar species that support monarch butterflies												

NU RYAN FIELD PLANT SCHEDULE - PARKING LOT / LANDSCAPED BUFFER (TOTAL AREA: 29,700 SF)								QUANTITY BREAKDOWN	
CODE	BOTANICAL NAME	COMMON NAME	SEED/OZ	OZ/ACRE	LB/ACRE	% BY WEIGHT	% BY SEED COUNT		
Grasses, Sedges, & Rushes									
CODE	BOTANICAL NAME	COMMON NAME	SEED/OZ	OZ/ACRE	LB/ACRE	% BY WEIGHT	% BY SEED COUNT		
CALCAN	Calamagrostis canadensis	Blue Joint Grass	28,000	0.75	0.09	0.3	2.29		
CXBREV	Carex brevior	Plains Oval Sedge	29,000	2	0.13	0.79	0.63		
CXCRIS	Carex cratata	Crested Oval Sedge	58,000	1.5	0.09	0.59	0.95		
CXMOLE	Carex molesta	Field Oval Sedge	25,000	4	0.25	1.58	1.09		
CXSCOP	Carex scoparia	Lance-fruited Oval Sedge	84,000	2	0.13	0.79	1.83		
CXSTP	Carex stipata	Common Fox Sedge	34,000	2	0.13	0.79	0.74		
CXVULP	Carex vulpinoidea	Brown Fox Sedge	100,000	4	0.25	1.58	4.36		
ELEPAL	Eleocharis palustris	Green Spike Rush	51,000	1	0.06	0.4	0.58		
ELYVIR	Elymus virginicus	Virginia Wild Rye	4,200	48	3	18.96	2.2		
GLYSTR	Glyceria striata	Fowl Mann Grass	90,000	2	0.13	0.79	1.96		
JUNDUD	Juncus dudleyi	Dudley's Rush	3,200,000	1	0.06	0.4	34.91		
PANVR	Panicum virgatum	Switch Grass	14,000	16	1	6.32	2.44		
SCVATR	Scirpus atrovirens	Dark-green Bulrush	460,000	0.13	0.01	0.05	0.63		
SPAPEC	Spartina pectinata	Cord Grass	6,600	32	2	12.64	2.3		
Grass/Sedge Subtotals					7,273	45.98	58.8		
Wildflowers									
CODE	BOTANICAL NAME	COMMON NAME	SEED/OZ	OZ/ACRE	LB/ACRE	% BY WEIGHT	% BY SEED COUNT		
ALLCER	Allium cernuum	Nodding Onion	7,600	12	0.75	4.74	0.99		
ASCINC	Asclepias incarnata	Swamp Milkweed	4,800	6	0.38	2.37	0.31		
BIDCER	Bidens cernua	Nodding Bur Marigold	21,000	1.5	0.09	0.59	0.34		
BOLAST	Botanica asteroides	False Aster	160,000	0.5	0.03	0.2	0.87		
CHAFAS	Chamaecrista fasciculata	Partridge Pea	2,700	16	1	6.32	0.47		
CORTRI	Coreopsis tripteris	Tall Coreopsis	14,000	4	0.25	1.58	0.61		
DESCAA	Desmodium canadense	Showy Tick Trefoil	5,500	3	0.19	1.19	0.18		



1 CAST-IN-PLACE CONCRETE



2 CAST-IN-PLACE CONCRETE-ACID ETCH



3 PEDESTRIAN UNIT PAVERS AND PERMEABLE UNIT PAVERS - TYPE 1



4 PERMEABLE UNIT PAVERS - TYPE 2



5 PERMEABLE UNIT PAVERS - TYPE 3



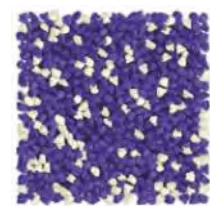
1 CORN HOLE GAMES



2 BICYCLE RACK



3 BICYCLE REPAIR STATION



6 PIP RUBBER SURFACING



7 AGGREGATE PAVING



8 CONCRETE SEATWALL



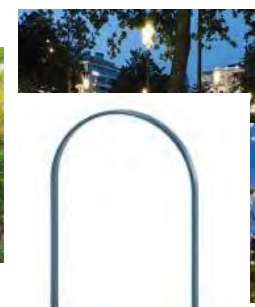
9 RAISED CONCRETE CURB



10 6H ORNAMENTAL METAL FENCE



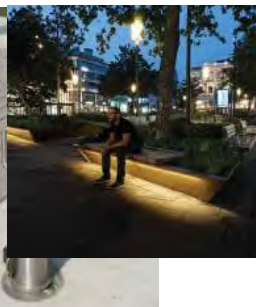
11 4.5H & 6H ORNAMENTAL WELDED WIRE FENCE



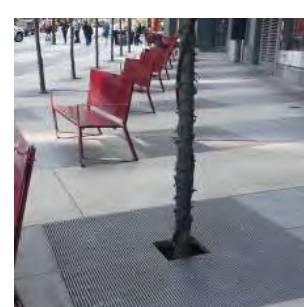
12 TRASH/RECYCLING RECEPTACLES



13 DRINKING FOUNTAIN



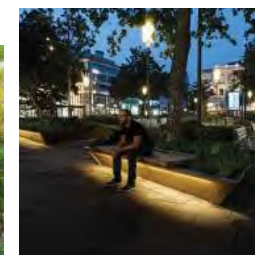
14 REMOVABLE BOLLARD



15 TREE GRATE



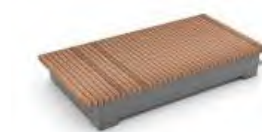
16 PEDESTRIAN POLE LIGHTING



17 INTEGRAL LINEAR BENCH LIGHTING



16 WOOD SEATWALL TOPPER



17 GROUP PLATFORM SEATING



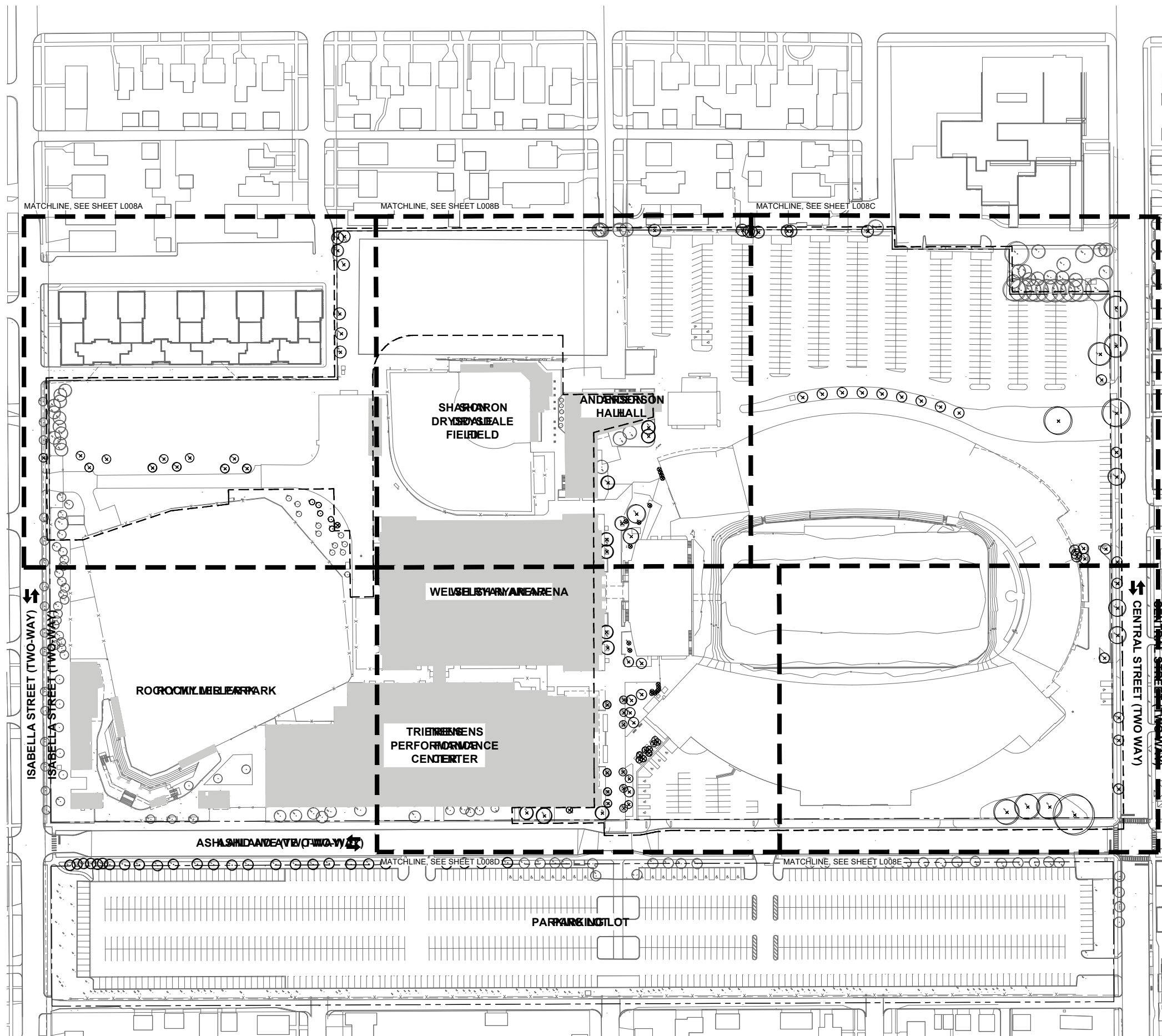
18 BLEACHER SEATING



19 MOVEABLE TABLE & CHAIRS



20 PING PONG TABLE



- PROPERTY LINE
- - - PROJECT LIMIT LINE (OFFSET 3' FOR CLARITY)
- EXISTING TREE TO REMAIN AND BE PROTECTED
- ⊗ EXISTING TREE TO BE REMOVED

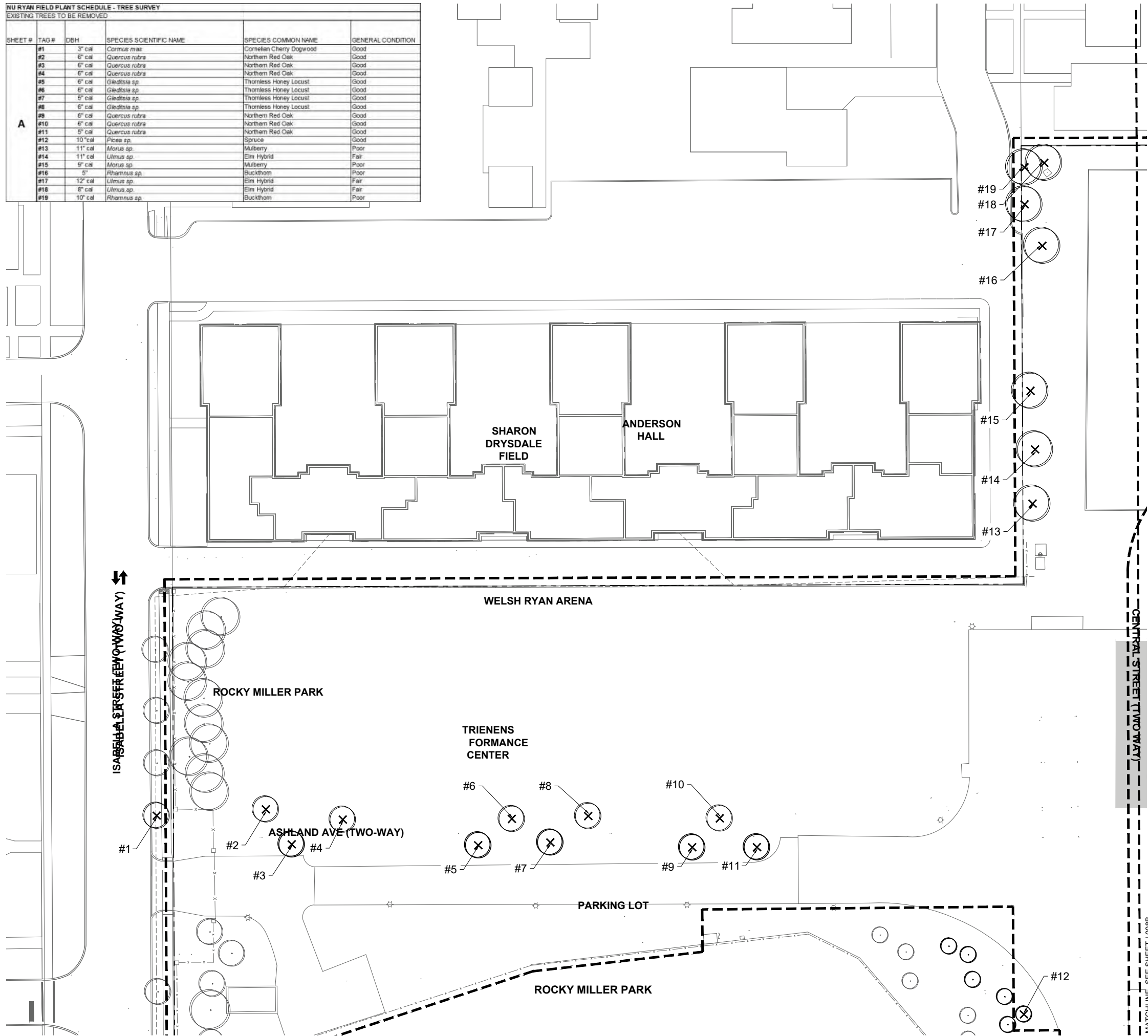
TREE PRESERVATION PLAN


0' 40' 80' 160' 320'

SCALE: 1" = 160'

N

NU RYAN FIELD PLANT SCHEDULE - TREE SURVEY					
EXISTING TREES TO BE REMOVED					
SHEET #	TAG #	DBH	SPECIES SCIENTIFIC NAME	SPECIES COMMON NAME	GENERAL CONDITION
A	#1	3" cal	<i>Cornus mas</i>	Cornelian Cherry Dogwood	Good
	#2	8" cal	<i>Quercus rubra</i>	Northern Red Oak	Good
	#3	8" cal	<i>Quercus rubra</i>	Northern Red Oak	Good
	#4	6" cal	<i>Quercus rubra</i>	Northern Red Oak	Good
	#5	6" cal	<i>Gleditsia sp.</i>	Thornless Honey Locust	Good
	#6	6" cal	<i>Gleditsia sp.</i>	Thornless Honey Locust	Good
	#7	5" cal	<i>Gleditsia sp.</i>	Thornless Honey Locust	Good
	#8	6" cal	<i>Gleditsia sp.</i>	Thornless Honey Locust	Good
	#9	6" cal	<i>Quercus rubra</i>	Northern Red Oak	Good
	#10	6" cal	<i>Quercus rubra</i>	Northern Red Oak	Good
	#11	5" cal	<i>Quercus rubra</i>	Northern Red Oak	Good
	#12	10" cal	<i>Picea sp.</i>	Spruce	Good
	#13	11" cal	<i>Morus sp.</i>	Mulberry	Poor
	#14	11" cal	<i>Ulmus sp.</i>	Elm Hybrid	Fair
	#15	9" cal	<i>Morus sp.</i>	Mulberry	Poor
	#16	5"	<i>Rhamnus sp.</i>	Buckthorn	Poor
	#17	12" cal	<i>Ulmus sp.</i>	Elm Hybrid	Fair
	#18	8" cal	<i>Ulmus sp.</i>	Elm Hybrid	Fair
	#19	10" cal	<i>Rhamnus sp.</i>	Buckthorn	Poor





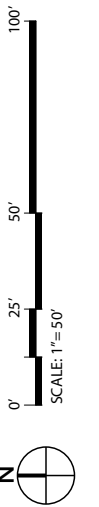
 LANDSCAPE ARCHITECTURE
 URBAN DESIGN

--- PROPERTY LINE
 - - - PROJECT LIMIT LINE (OFFSET 3' FOR CLARITY)
 ○ EXISTING TREE TO REMAIN AND BE PROTECTED
 ○ X EXISTING TREE TO BE REMOVED



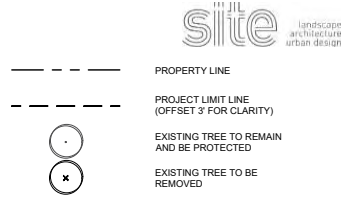
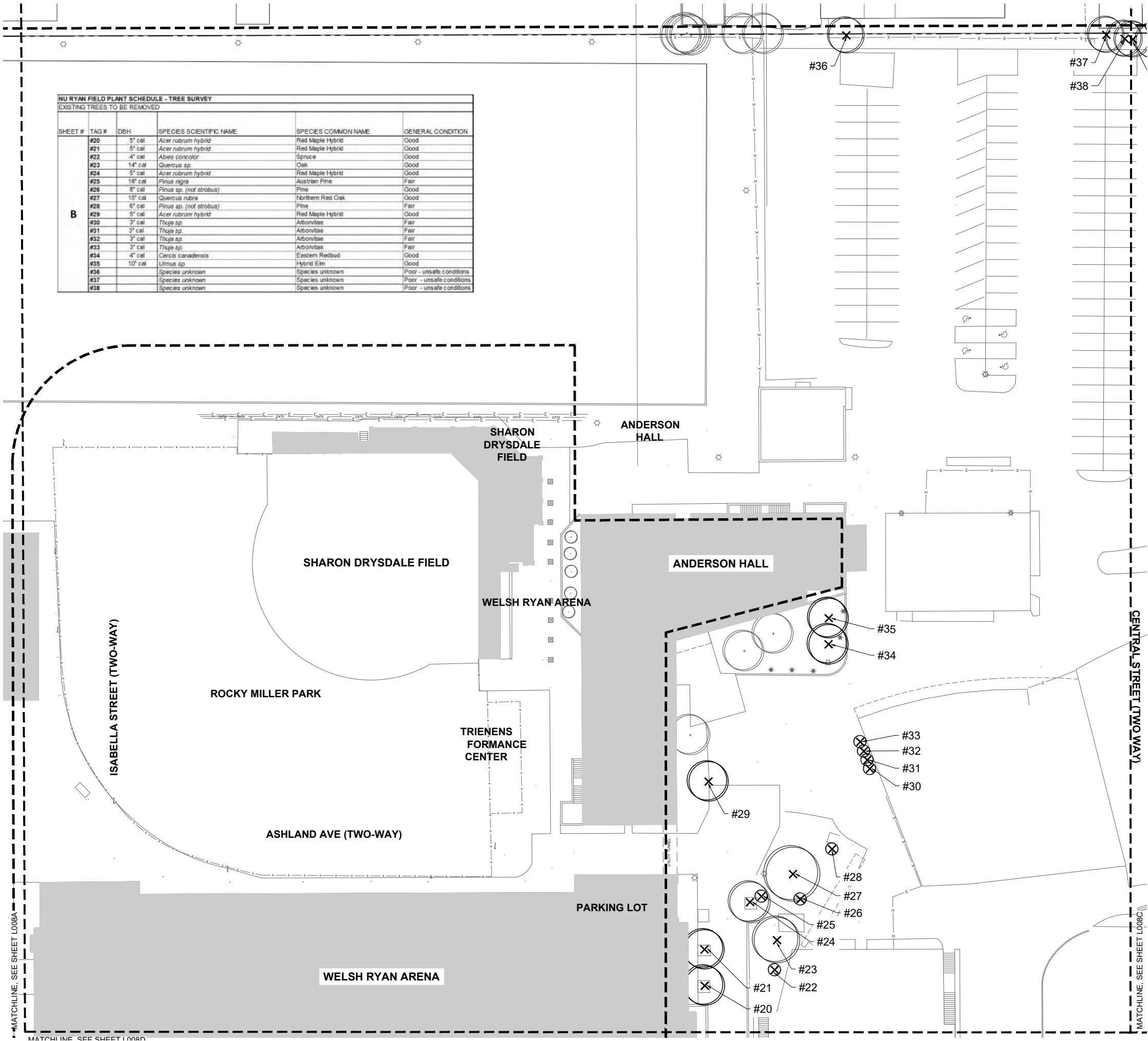
NORTHWESTERN UNIVERSITY
RYAN FIELD REDEVELOPMENT
 PLANNED DEVELOPMENT APPLICATION

TREE PRESERVATION PLAN - ENLARGED



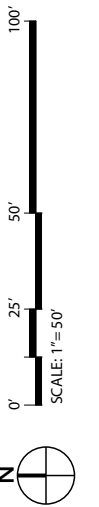
NU RYAN FIELD PLANT SCHEDULE - TREE SURVEY
EXISTING TREES TO BE REMOVED

SHEET #	TAG #	DBH	SPECIES SCIENTIFIC NAME	SPECIES COMMON NAME	GENERAL CONDITION
B	#20	5" cal	<i>Acer rubrum hybrid</i>	Red Maple Hybrid	Good
	#21	5" cal	<i>Acer rubrum hybrid</i>	Red Maple Hybrid	Good
	#22	4" cal	<i>Abies concolor</i>	Spruce	Good
	#23	14" cal	<i>Quercus sp.</i>	Oak	Good
	#24	5" cal	<i>Acer rubrum hybrid</i>	Red Maple Hybrid	Good
	#25	18" cal	<i>Pinus nigra</i>	Austrian Pine	Fair
	#26	8" cal	<i>Pinus sp. (not strobus)</i>	Pine	Good
	#27	15" cal	<i>Quercus rubra</i>	Northern Red Oak	Good
	#28	6" cal	<i>Pinus sp. (not strobus)</i>	Pine	Fair
	#29	5" cal	<i>Acer rubrum hybrid</i>	Red Maple Hybrid	Good
	#30	3" cal	<i>Thuja sp.</i>	Arborvitae	Fair
	#31	3" cal	<i>Thuja sp.</i>	Arborvitae	Fair
	#32	3" cal	<i>Thuja sp.</i>	Arborvitae	Fair
	#33	3" cal	<i>Thuja sp.</i>	Arborvitae	Fair
	#34	4" cal	<i>Cercis canadensis</i>	Eastern Redbud	Good
	#35	10" cal	<i>Ulmus sp.</i>	Hybrid Elm	Good
	#36			Species unknown	Poor - unsafe conditions
	#37			Species unknown	Poor - unsafe conditions
#38			Species unknown	Poor - unsafe conditions	



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TREE PRESERVATION PLAN - ENLARGED



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MATCHLINE, SEE SHEET L008A

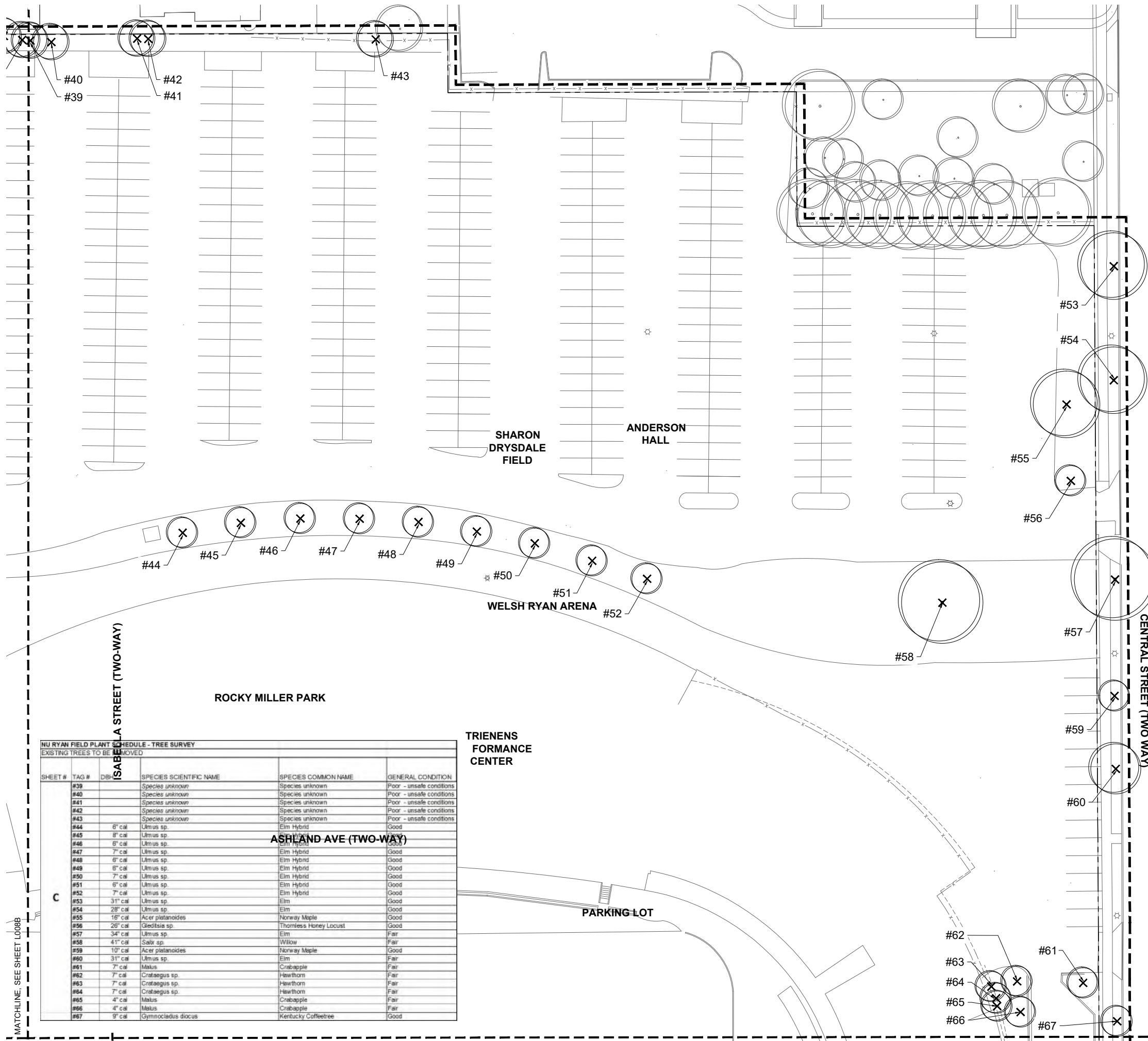
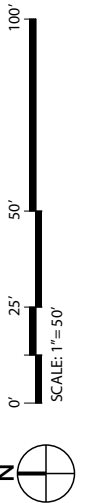
MATCHLINE, SEE SHEET L008D

MATCHLINE, SEE SHEET L008C



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 RYAN FIELD REDEVELOPMENT
 PLANNED DEVELOPMENT APPLICATION**

TREE PRESERVATION PLAN - ENLARGED



NU RYAN FIELD PLANT SCHEDULE - TREE SURVEY
 EXISTING TREES TO BE REMOVED

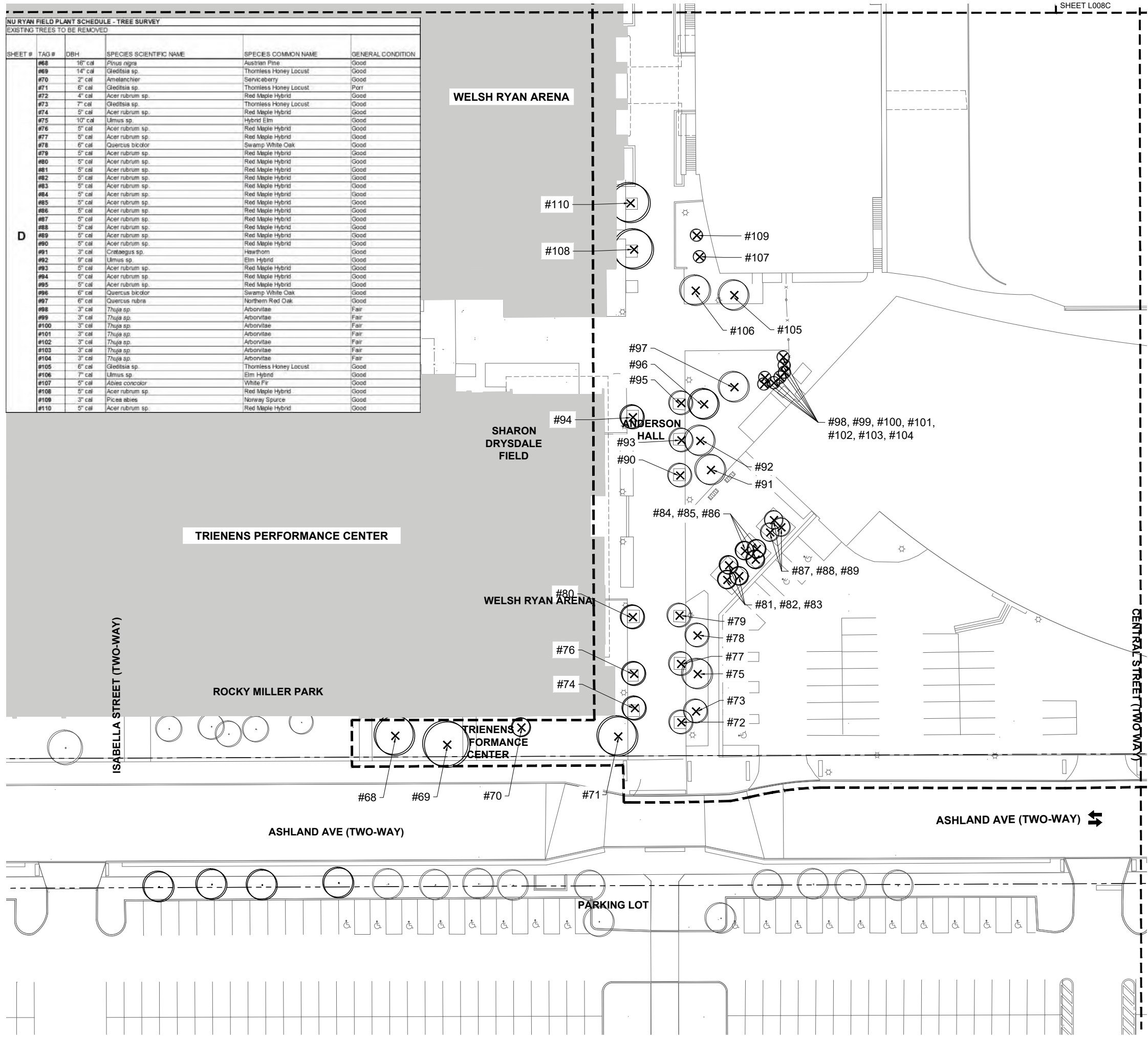
SHEET #	TAG #	DBH	SPECIES SCIENTIFIC NAME	SPECIES COMMON NAME	GENERAL CONDITION
C	#39		Species unknown	Species unknown	Poor - unsafe conditions
C	#40		Species unknown	Species unknown	Poor - unsafe conditions
C	#41		Species unknown	Species unknown	Poor - unsafe conditions
C	#42		Species unknown	Species unknown	Poor - unsafe conditions
C	#43		Species unknown	Species unknown	Poor - unsafe conditions
C	#44	6" cal	Ulmus sp.	Elm Hybrid	Good
C	#45	8" cal	Ulmus sp.	Elm Hybrid	Good
C	#46	6" cal	Ulmus sp.	Elm Hybrid	Good
C	#47	7" cal	Ulmus sp.	Elm Hybrid	Good
C	#48	6" cal	Ulmus sp.	Elm Hybrid	Good
C	#49	6" cal	Ulmus sp.	Elm Hybrid	Good
C	#50	7" cal	Ulmus sp.	Elm Hybrid	Good
C	#51	6" cal	Ulmus sp.	Elm Hybrid	Good
C	#52	7" cal	Ulmus sp.	Elm Hybrid	Good
C	#53	31" cal	Ulmus sp.	Elm	Good
C	#54	28" cal	Ulmus sp.	Elm	Good
C	#55	16" cal	Acer platanoides	Norway Maple	Good
C	#56	26" cal	Gleditsia sp.	Thornless Honey Locust	Good
C	#57	34" cal	Ulmus sp.	Elm	Fair
C	#58	41" cal	Salix sp.	Willow	Fair
C	#59	10" cal	Acer platanoides	Norway Maple	Good
C	#60	31" cal	Ulmus sp.	Elm	Fair
C	#61	7" cal	Malus	Crabapple	Fair
C	#62	7" cal	Crataegus sp.	Hawthorn	Fair
C	#63	7" cal	Crataegus sp.	Hawthorn	Fair
C	#64	7" cal	Crataegus sp.	Hawthorn	Fair
C	#65	4" cal	Malus	Crabapple	Fair
C	#66	4" cal	Malus	Crabapple	Fair
C	#67	9" cal	Gymnocladus dioica	Kentucky Coffeetree	Good

MATCHLINE SEE SHEET L008B

MATCHLINE SEE SHEET L008C

NU RYAN FIELD PLANT SCHEDULE - TREE SURVEY
EXISTING TREES TO BE REMOVED

SHEET #	TAG #	DBH	SPECIES SCIENTIFIC NAME	SPECIES COMMON NAME	GENERAL CONDITION
D	#68	16" cal	<i>Pinus nigra</i>	Austrian Pine	Good
D	#69	14" cal	<i>Gleditsia</i> sp.	Thornless Honey Locust	Good
D	#70	2" cal	<i>Amelanchier</i>	Serviceberry	Good
D	#71	6" cal	<i>Gleditsia</i> sp.	Thornless Honey Locust	Poor
D	#72	4" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#73	7" cal	<i>Gleditsia</i> sp.	Thornless Honey Locust	Good
D	#74	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#75	10" cal	<i>Ulmus</i> sp.	Hybrid Elm	Good
D	#76	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#77	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#78	6" cal	<i>Quercus bicolor</i>	Swamp White Oak	Good
D	#79	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#80	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#81	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#82	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#83	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#84	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#85	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#86	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#87	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#88	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#89	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#90	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#91	3" cal	<i>Crotaegus</i> sp.	Hawthorn	Good
D	#92	9" cal	<i>Ulmus</i> sp.	Elm Hybrid	Good
D	#93	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#94	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#95	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#96	6" cal	<i>Quercus bicolor</i>	Swamp White Oak	Good
D	#97	6" cal	<i>Quercus rubra</i>	Northern Red Oak	Good
D	#98	3" cal	<i>Thuja</i> sp.	Arborvitae	Fair
D	#99	3" cal	<i>Thuja</i> sp.	Arborvitae	Fair
D	#100	3" cal	<i>Thuja</i> sp.	Arborvitae	Fair
D	#101	3" cal	<i>Thuja</i> sp.	Arborvitae	Fair
D	#102	3" cal	<i>Thuja</i> sp.	Arborvitae	Fair
D	#103	3" cal	<i>Thuja</i> sp.	Arborvitae	Fair
D	#104	3" cal	<i>Thuja</i> sp.	Arborvitae	Fair
D	#105	6" cal	<i>Gleditsia</i> sp.	Thornless Honey Locust	Good
D	#106	7" cal	<i>Ulmus</i> sp.	Elm Hybrid	Good
D	#107	5" cal	<i>Abies concolor</i>	White Fir	Good
D	#108	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good
D	#109	3" cal	<i>Picea abies</i>	Norway Spruce	Good
D	#110	5" cal	<i>Acer rubrum</i> sp.	Red Maple Hybrid	Good



site
Landscape
architecture
urban design

PROPERTY LINE
PROJECT LIMIT LINE
(OFFSET 3' FOR CLARITY)

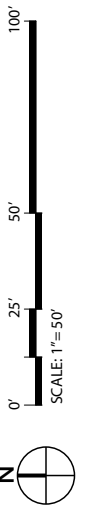
EXISTING TREE TO REMAIN
AND BE PROTECTED

EXISTING TREE TO BE
REMOVED

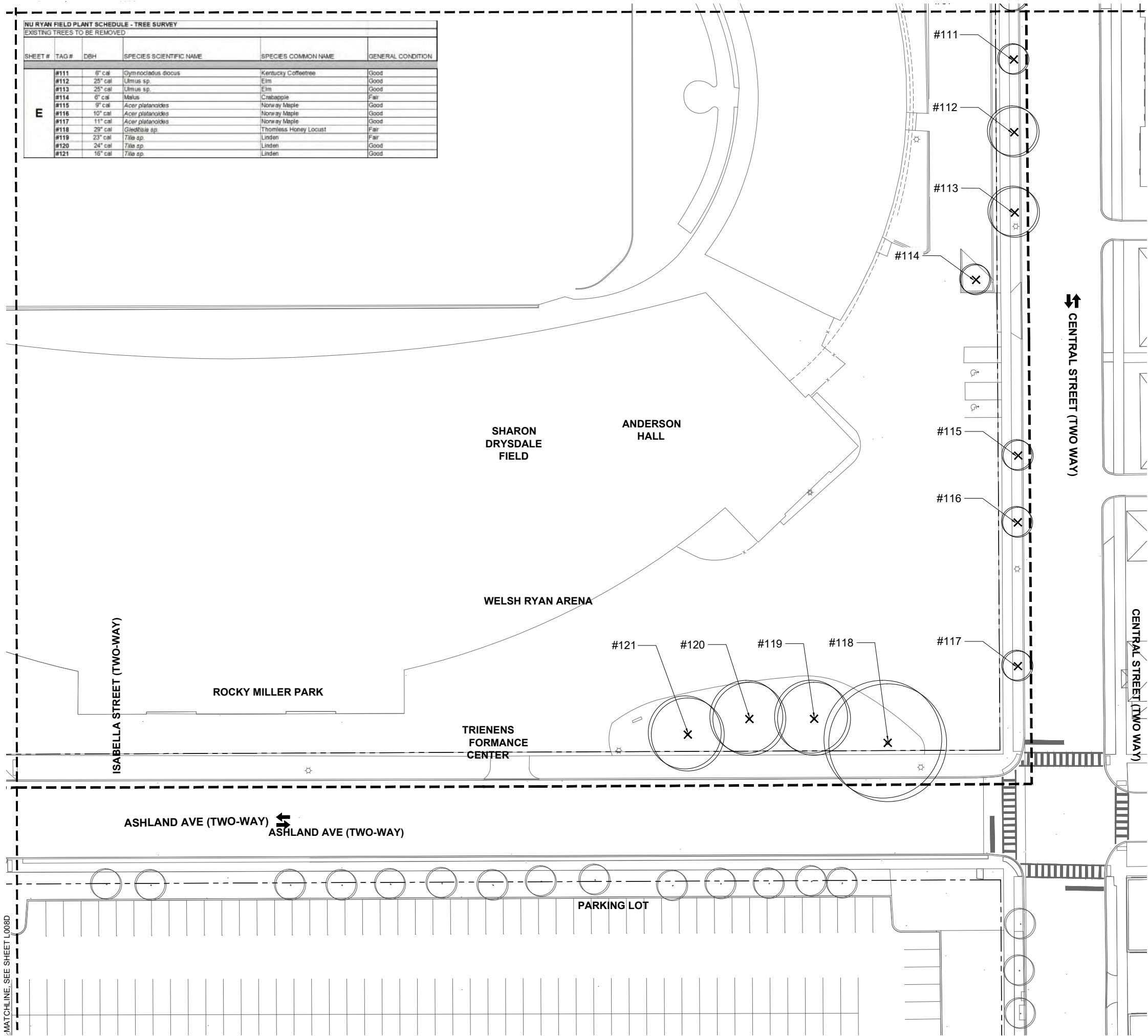



**NORTHWESTERN UNIVERSITY
RYAN FIELD REDEVELOPMENT
PLANNED DEVELOPMENT APPLICATION**

TREE PRESERVATION PLAN - ENLARGED



NU RYAN FIELD PLANT SCHEDULE - TREE SURVEY					
EXISTING TREES TO BE REMOVED					
SHEET #	TAG #	DBH	SPECIES SCIENTIFIC NAME	SPECIES COMMON NAME	GENERAL CONDITION
E	#111	6" cal	<i>Gymnocladus dioica</i>	Kentucky Coffeetree	Good
	#112	25" cal	<i>Ulmus</i> sp.	Elm	Good
	#113	25" cal	<i>Ulmus</i> sp.	Elm	Good
	#114	6" cal	<i>Morus</i>	Crabapple	Fair
	#115	9" cal	<i>Acer platanoides</i>	Norway Maple	Good
	#116	10" cal	<i>Acer platanoides</i>	Norway Maple	Good
	#117	11" cal	<i>Acer platanoides</i>	Norway Maple	Good
	#118	29" cal	<i>Gleditsia</i> sp.	Thornless Honey Locust	Fair
	#119	23" cal	<i>Tilia</i> sp.	Linden	Fair
	#120	24" cal	<i>Tilia</i> sp.	Linden	Good
	#121	16" cal	<i>Tilia</i> sp.	Linden	Good





 Landscape architecture urban design

--- PROPERTY LINE
 - - - PROJECT LIMIT LINE (OFFSET 3' FOR CLARITY)
 ○ EXISTING TREE TO REMAIN AND BE PROTECTED
 ○ X EXISTING TREE TO BE REMOVED

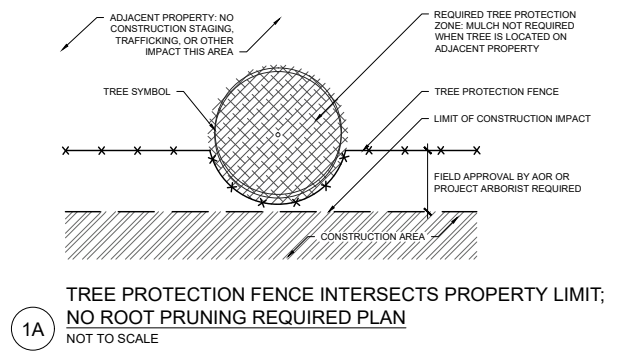


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 PLANNED DEVELOPMENT APPLICATION

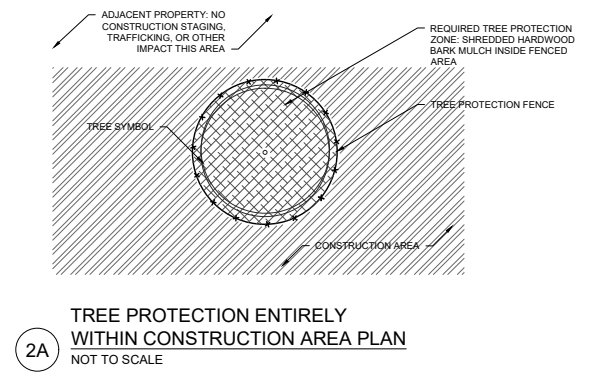
TREE PRESERVATION PLAN - ENLARGED



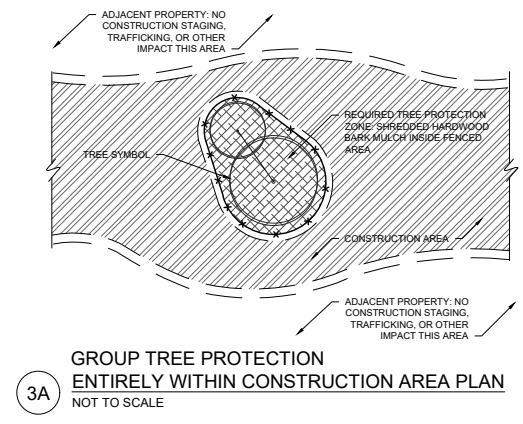
LP-25
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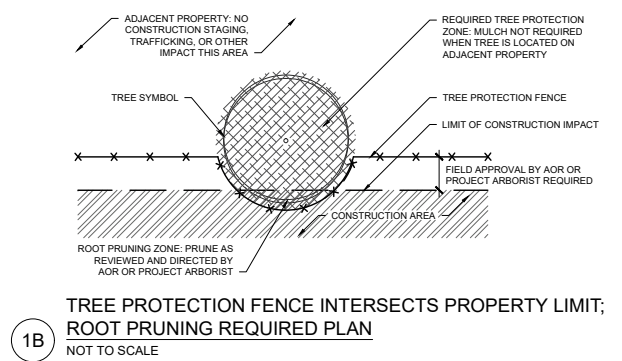
1A TREE PROTECTION FENCE INTERSECTS PROPERTY LIMIT; NO ROOT PRUNING REQUIRED PLAN
NOT TO SCALE



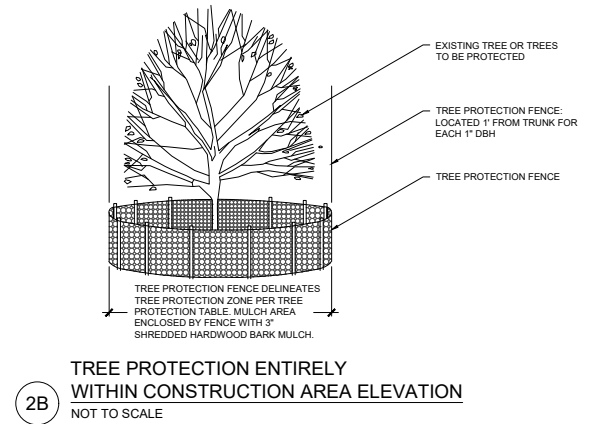
2A TREE PROTECTION ENTIRELY WITHIN CONSTRUCTION AREA PLAN
NOT TO SCALE



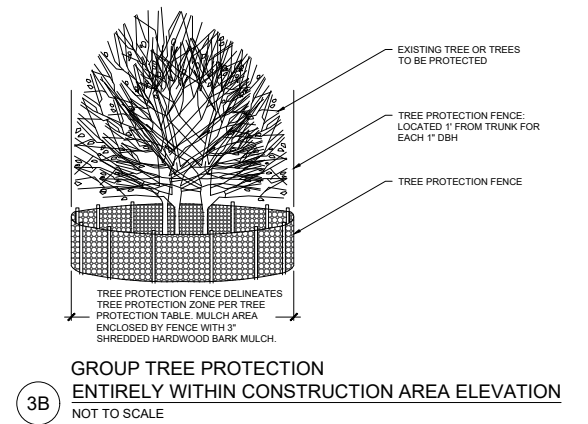
3A GROUP TREE PROTECTION ENTIRELY WITHIN CONSTRUCTION AREA PLAN
NOT TO SCALE



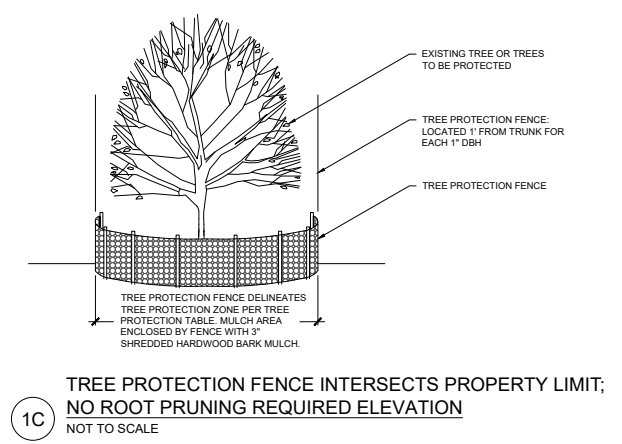
1B TREE PROTECTION FENCE INTERSECTS PROPERTY LIMIT; ROOT PRUNING REQUIRED PLAN
NOT TO SCALE



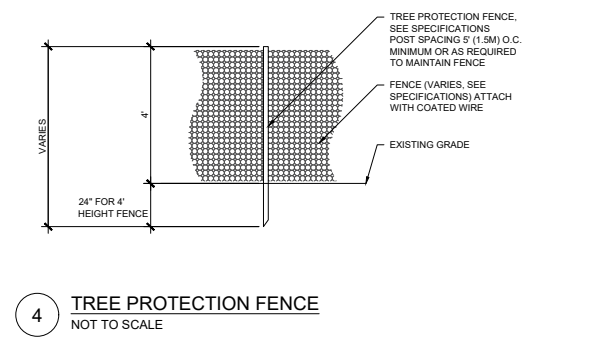
2B TREE PROTECTION ENTIRELY WITHIN CONSTRUCTION AREA ELEVATION
NOT TO SCALE



3B GROUP TREE PROTECTION ENTIRELY WITHIN CONSTRUCTION AREA ELEVATION
NOT TO SCALE



1C TREE PROTECTION FENCE INTERSECTS PROPERTY LIMIT; NO ROOT PRUNING REQUIRED ELEVATION
NOT TO SCALE



4 TREE PROTECTION FENCE
NOT TO SCALE

TREE PROTECTION	FLAG TAPE COLOR	RADIUS OF TREE PROTECTION FENCE FROM TRUNK	MULCH TREE PROTECTION ZONE
ADJACENT PROPERTY	NONE	NONE. TREE PROTECTED BY TREE PROTECTION FENCE AT PROJECT LIMITS	NO
TREE WITH TREE PROTECTION FENCE	GREEN	1' (30 cm) RADIUS FOR EACH 1" (2.54 cm) DBH*, OR AS APPROVED BY AOR OR PROJECT ARBORIST	YES, 3" DEPTH OF HARDWOOD BARK MULCH. NOT IN CONTACT WITH THE TRUNK
TREE WITH TREE PROTECTION FENCE, ROOTPRUNED	GREEN & YELLOW	1' (30 cm) RADIUS FOR EACH 1" (2.54 cm) DBH*, OR AS APPROVED BY AOR OR PROJECT ARBORIST	YES, 3" DEPTH OF HARDWOOD BARK MULCH. NOT IN CONTACT WITH THE TRUNK
TREE TO BE RELOCATED	BLUE	1' (30 cm) RADIUS FOR EACH 1" (2.54 cm) DBH*, OR AS APPROVED BY AOR OR PROJECT ARBORIST	YES, 3" DEPTH OF HARDWOOD BARK MULCH. NOT IN CONTACT WITH THE TRUNK
TREE TO BE REMOVED	RED	NONE. TREES MUST BE REMOVED PRIOR TO START OF CONSTRUCTION	NO

5 TREE PROTECTION TABLE AND NOTES
NOT TO SCALE

*DBH - DIAMETER AT BREAST HEIGHT MEASURED AT 4.5' FROM BASE OF TREE.



**NORTHWESTERN UNIVERSITY
RYAN FIELD REDEVELOPMENT
PLANNED DEVELOPMENT APPLICATION**

TREE PRESERVATION PLAN - SCHEDULE



JUNE 23, 2023

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EXISTING TREES TO BE REMOVED								TREES TO BE REMOVED PER
SHEET #	TAG #	DBH	SPECIES SCIENTIFIC NAME	SPECIES COMMON NAME	GENERAL CONDITION	REPLACEMENT SPECIES GROUP	REPLACEMENT RATE	REQUIRED CALIPER INCHES NEEDED TO BE REPLACED
A	#1	3" cal	Cornus mas	Cornelian Cherry Dogwood	Good	A	1.25	3.75
	#2	6" cal	Quercus rubra	Northern Red Oak	Good	A	1.25	7.5
	#3	6" cal	Quercus rubra	Northern Red Oak	Good	A	1.25	7.5
	#4	6" cal	Quercus rubra	Northern Red Oak	Good	A	1.25	7.5
	#5	6" cal	Gleditsia sp.	Thornless Honey Locust	Good	B	0.75	4.5
	#6	6" cal	Gleditsia sp.	Thornless Honey Locust	Good	B	0.75	4.5
	#7	5" cal	Gleditsia sp.	Thornless Honey Locust	Good	B	0.75	3.75
	#8	6" cal	Gleditsia sp.	Thornless Honey Locust	Good	B	0.75	4.5
	#9	6" cal	Quercus rubra	Northern Red Oak	Good	A	1.25	7.5
	#10	6" cal	Quercus rubra	Northern Red Oak	Good	A	1.25	7.5
	#11	5" cal	Quercus rubra	Northern Red Oak	Good	A	1.25	6.25
	#12	10" cal	Picea sp.	Spruce	Good	B	0.75	7.5
	#13	11" cal	Morus sp.	Mulberry	Poor	D	0	0
	#14	11" cal	Ulmus sp.	Elm Hybrid	Fair	B	0.75	8.25
	#15	9" cal	Morus sp.	Mulberry	Poor	D	0	0
	#16	5" cal	Rhamnus sp.	Buckhorn	Poor	D	0	0
	#17	12" cal	Ulmus sp.	Elm Hybrid	Fair	B	0.75	9
	#18	8" cal	Ulmus sp.	Elm Hybrid	Fair	B	0.75	6
	#19	10" cal	Rhamnus sp.	Buckhorn	Poor	D	0	0
#20	5" cal	Acer rubrum hybrid	Red Maple Hybrid	Good	B	0.75	3.75	
#21	5" cal	Acer rubrum hybrid	Red Maple Hybrid	Good	B	0.75	3.75	
#22	4" cal	Abies concolor	Spruce	Good	B	0.75	3	
#23	14" cal	Quercus sp.	Oak	Good	A	1.25	17.5	
#24	5" cal	Acer rubrum hybrid	Red Maple Hybrid	Good	B	0.75	3.75	
#25	18" cal	Pinus nigra	Austrian Pine	Fair	C	0.5	9	
#26	8" cal	Pinus sp. (not strobus)	Pine	Good	C	0.5	4	
#27	15" cal	Quercus rubra	Northern Red Oak	Good	A	1.25	18.75	
#28	6" cal	Pinus sp. (not strobus)	Pine	Fair	C	0.5	3	
#29	5" cal	Acer rubrum hybrid	Red Maple Hybrid	Good	B	0.75	3.75	
#30	3" cal	Thuja sp.	Arborvitae	Fair	A	1.25	3.75	
#31	3" cal	Thuja sp.	Arborvitae	Fair	A	1.25	3.75	
#32	3" cal	Thuja sp.	Arborvitae	Fair	A	1.25	3.75	
#33	3" cal	Thuja sp.	Arborvitae	Fair	A	1.25	3.75	
#34	4" cal	Cercis canadensis	Eastern Redbud	Good	A	1.25	5	
#35	10" cal	Ulmus sp.	Hybrid Elm	Good	B	0.75	7.5	
#36		Species unknown	Species unknown	Poor - unsafe conditions		0	0	
#37		Species unknown	Species unknown	Poor - unsafe conditions		0	0	
#38		Species unknown	Species unknown	Poor - unsafe conditions		0	0	
SHEET B REQUIRED CALIPER INCHES TO REPLACE:								97.75
#39		Species unknown	Species unknown	Poor - unsafe conditions		0	0	
#40		Species unknown	Species unknown	Poor - unsafe conditions		0	0	
#41		Species unknown	Species unknown	Poor - unsafe conditions		0	0	
#42		Species unknown	Species unknown	Poor - unsafe conditions		0	0	
#43		Species unknown	Species unknown	Poor - unsafe conditions		0	0	
#44	6" cal	Ulmus sp.	Elm Hybrid	Good	B	0.75	4.5	
#45	8" cal	Ulmus sp.	Elm Hybrid	Good	B	0.75	6	
#46	6" cal	Ulmus sp.	Elm Hybrid	Good	B	0.75	4.5	
#47	7" cal	Ulmus sp.	Elm Hybrid	Good	B	0.75	5.25	
#48	6" cal	Ulmus sp.	Elm Hybrid	Good	B	0.75	4.5	
#49	6" cal	Ulmus sp.	Elm Hybrid	Good	B	0.75	4.5	
#50	7" cal	Ulmus sp.	Elm Hybrid	Good	B	0.75	5.25	
#51	6" cal	Ulmus sp.	Elm Hybrid	Good	B	0.75	4.5	
#52	7" cal	Ulmus sp.	Elm Hybrid	Good	B	0.75	5.25	
#53	31" cal	Ulmus sp.	Elm	Good	Parkway Tree	1.25	38.75	
#54	28" cal	Ulmus sp.	Elm	Good	Parkway Tree	1.25	35	
#55	16" cal	Acer platanoides	Norway Maple	Good	C	0.5	8	
#56	26" cal	Gleditsia sp.	Thornless Honey Locust	Good	B	0.75	19.5	
#57	34" cal	Ulmus sp.	Elm	Fair	Parkway Tree	1.25	42.5	
#58	41" cal	Salix sp.	Willow	Fair	C	0.5	20.5	
#59	10" cal	Acer platanoides	Norway Maple	Good	C	0.5	5	
#60	31" cal	Ulmus sp.	Elm	Fair	Parkway Tree	1.25	38.75	
#61	7" cal	Malus	Crabapple	Fair	A	1.25	8.75	
#62	7" cal	Crataegus sp.	Hawthorn	Fair	A	1.25	8.75	
#63	7" cal	Crataegus sp.	Hawthorn	Fair	A	1.25	8.75	
#64	7" cal	Crataegus sp.	Hawthorn	Fair	A	1.25	8.75	
#65	4" cal	Malus	Crabapple	Fair	A	1.25	5	
#66	4" cal	Malus	Crabapple	Fair	A	1.25	5	
#67	9" cal	Gymnocladus dioica	Kentucky Coffeetree	Good	Parkway Tree	1.25	11.25	
SHEET C REQUIRED CALIPER INCHES TO REPLACE:								388.5
#68	16" cal	Pinus nigra	Austrian Pine	Good	C	0.5	8	
#69	14" cal	Gleditsia sp.	Thornless Honey Locust	Good	B	0.75	10.5	
#70	2" cal	Ametanchier	Servicetree	Good	A	1.25	2.5	
#71	6" cal	Gleditsia sp.	Thornless Honey Locust	Poor	B	0.75	4.5	
#72	4" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3	
#73	7" cal	Gleditsia sp.	Thornless Honey Locust	Good	B	0.75	5.25	
#74	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#75	10" cal	Ulmus sp.	Hybrid Elm	Good	B	0.75	7.5	
#76	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#77	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#78	8" cal	Quercus bicolor	Swamp White Oak	Good	A	1.25	7.5	
#79	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#80	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#81	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#82	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#83	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#84	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#85	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#86	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#87	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#88	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#89	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#90	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#91	3" cal	Crataegus sp.	Hawthorn	Good	A	1.25	3.75	
#92	9" cal	Ulmus sp.	Elm Hybrid	Good	B	0.75	6.75	
#93	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#94	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#95	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#96	6" cal	Quercus bicolor	Swamp White Oak	Good	A	1.25	7.5	
#97	6" cal	Quercus rubra	Northern Red Oak	Good	A	1.25	7.5	
#98	3" cal	Thuja sp.	Arborvitae	Fair	A	1.25	3.75	
#99	3" cal	Thuja sp.	Arborvitae	Fair	A	1.25	3.75	
#100	3" cal	Thuja sp.	Arborvitae	Fair	A	1.25	3.75	
#101	3" cal	Thuja sp.	Arborvitae	Fair	A	1.25	3.75	
#102	3" cal	Thuja sp.	Arborvitae	Fair	A	1.25	3.75	
#103	3" cal	Thuja sp.	Arborvitae	Fair	A	1.25	3.75	
#104	3" cal	Thuja sp.	Arborvitae	Fair	A	1.25	3.75	
#105	6" cal	Gleditsia sp.	Thornless Honey Locust	Good	B	0.75	4.5	
#106	7" cal	Ulmus sp.	Elm Hybrid	Good	B	0.75	5.25	
#107	5" cal	Abies concolor	White Fir	Good	B	0.75	3.75	
#108	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
#109	3" cal	Picea abies	Norway Spruce	Good	B	0.75	2.25	
#110	5" cal	Acer rubrum sp.	Red Maple Hybrid	Good	B	0.75	3.75	
SHEET D REQUIRED CALIPER INCHES TO REPLACE:								191.25
#111	6" cal	Gymnocladus dioica	Kentucky Coffeetree	Good	Parkway Tree	1.25	7.5	
#112	25" cal	Ulmus sp.	Elm	Good	Parkway Tree	1.25	31.25	
#113	25" cal	Ulmus sp.	Elm	Good	Parkway Tree	1.25	31.25	
#114	6" cal	Malus	Crabapple	Fair	A	1.25	7.5	
#115	9" cal	Acer platanoides	Norway Maple	Good	Parkway Tree	1.25	11.25	
#116	10" cal	Acer platanoides	Norway Maple	Good	Parkway Tree	1.25	12.5	
#117	11" cal	Acer platanoides	Norway Maple	Good	Parkway Tree	1.25	13.75	
#118	29" cal	Gleditsia sp.	Thornless Honey Locust	Fair	B	0.75	21.75	
#119	23" cal	Tilia sp.	Linden	Fair	A	1.25	28.75	
#120	24" cal	Tilia sp.	Linden	Good	A	1.25	30	
#121	16" cal	Tilia sp.	Linden	Good	A	1.25	20	
SHEET E REQUIRED CALIPER INCHES TO REPLACE:								215.5
SITE WIDE TOTAL REQUIRED CALIPER INCHES TO REPLACE:								908.5

SITE WIDE TOTAL PROPOSED CALIPER INCHES (refer to planting plan and schedule):	794
SITE WIDE TOTAL REQUIRED CALIPER INCHES TO REPLACE (refer to tree demo plan and schedule):	908.5
DIFFERENCE:	(-115)

TREE MITIGATION FEE FORMULA (\$150 per caliper inch that is not replaced): 115" x \$150 = \$17,250
ESTIMATED DOLLAR AMOUNT TO PAY INTO CITY OF EVANSTON TREE MITIGATION FUND: \$17,250

STATEMENT: Per Evanston, IL Code of Ordinances, Title 7 – Public Ways/ Chapter 8 - Trees and Shrubs, tree species are defined into (4) groups. Groups A, B, C, and D. These groups are based on ratings provided in the trees species standards for species characteristics including environmental adaptability, biological traits, longevity, maintenance needs, and landscape value.

Group A consists of the most desirable species. The replacement rate for group A is 125% for every caliper inch removed. Group C consists of the least desirable species. The replacement rate for group C is 50% for every caliper inch removed. Certain factors including the health and safety of trees also determine the replacement rate.

site has identified all of the tree species to be removed, catalogued them into this spreadsheet, and calculated the replacement rate. In total, site has calculated 908.5 caliper inches that need to be replaced. site is strategically proposing a large amount of trees with large caliper sizes to meet this replacement. In total, there are 794 caliper inches proposed – a difference of (114) caliper inches. To meet city code, it is estimated that the owner shall pay approximately \$17,250 (\$150 for every caliper not replaced)*.

*NOTE: City of Evanston shall determine final dollar amount based on their assessment.