

Costco Wholesale Village Plan

Saratoga Springs, Utah

July 29, 2019



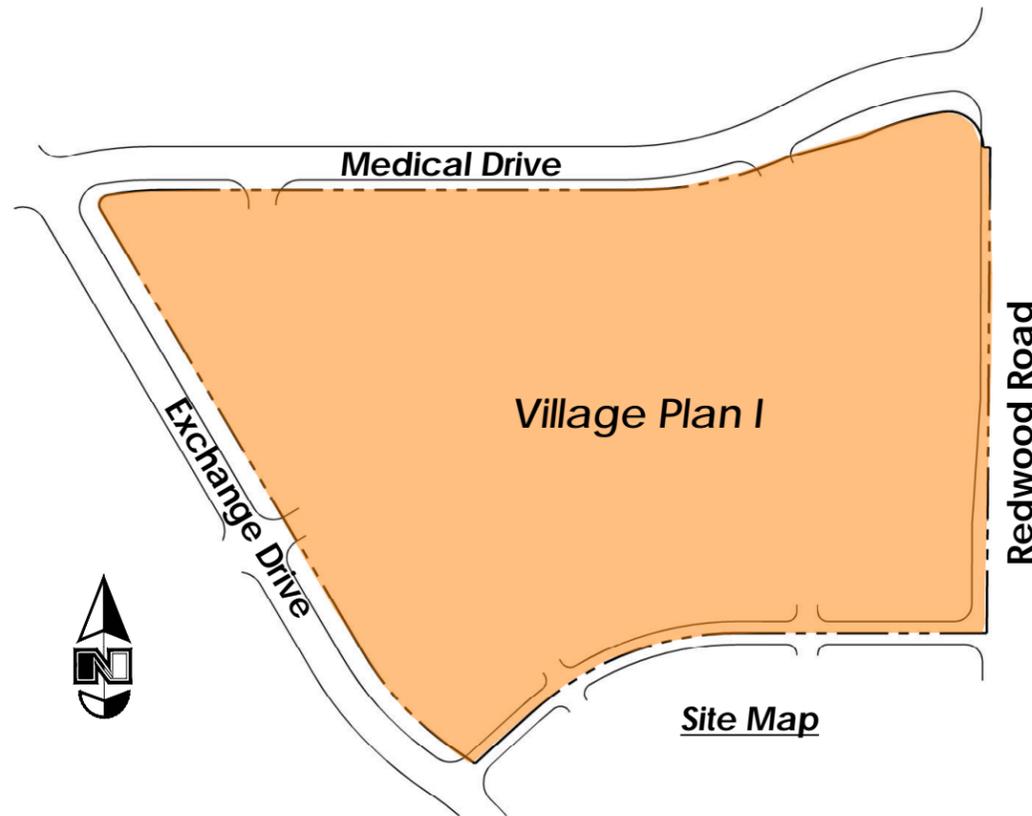


Table of Contents

Exhibit 1		
Property Description		1
Exhibit 2		
Detailed Use Map		2
Exhibit 3		
Detailed Buildout Allocation		3
Exhibit 4		
a Development Standards		4
b Street Section		5
c Street Section		6
d Street Section		7
Exhibit 5		
a Costco Building Elevation		8
b Costco Building Entry Rendering		9
c Costco Building and Parking Rendering		10
d Costco Building Tire Center and Landscape Rendering		11
e Costco Building North Wall With Metal Paneling Rendering		12
f Costco Building South Wall Rendering		13
g Costco Signage Elevations and Areas		14
h Costco Building Material Board		15
i Costco Fuel Center Elevation		16
Exhibit 6		
Phasing Plan		17
Exhibit 7		
Lotting Plan		18
Exhibit 8		
a Landscape Plan		19
b Landscape Legend		20
c Accent Plan		21
d Accent Area		22
e Accent Area		23
f Accent Area		24
Exhibit 9		
Utility Plan		25
Exhibit 10		
Vehicular Plan		26
Exhibit 11		
Pedestrian Plan		27
Exhibit 12		
a Fire Lane Plan		28
b Grading/Drainage Plan		29
Exhibit 13		
Site Characteristics, Findings and Mitigation Plans		30



Vicinity Map



Site Map

Village Plan I Legal Description

A portion of the Southwest quarter of Section 14, Township 5 South, Range 1 West, Salt Lake Meridian, more particularly described as follows:

Commencing at the Southwest corner of said Section 14; thence North 00°20'51" East 1227.56 feet along section line; thence South 89°39'09" East 1871.68 feet to a point on a non-tangent curve to the left having a radius of 473.35 feet and a chord that bears North 54°54'34" West 35.50 feet and the POINT OF BEGINNING;

thence northwesterly along said curve an arc distance of 35.50 feet to a reverse curve to the right having a radius of 461.43 feet, a central angle of 26°21'36" and a chord that bears North 43°52'41" West 210.42 feet;

thence along said curve northwesterly an arc distance of 212.29 feet;

thence North 30°41'53" West 746.79 feet to a point on a non-tangent curve to the right having a radius of 15.14 feet, a central angle of 108°56'31" and a chord that bears North 24°34'06" East 24.64 feet;

thence along said curve northeasterly an arc distance of 28.79 feet to a point on a non-tangent curve to the right having a radius of 456.10 feet, a central angle of 10°16'45" and a chord that bears North 84°53'32" East 81.72 feet;

thence along said curve easterly an arc distance of 81.83 feet;

thence East 690.16 feet to a curve to the left having a radius of 538.46 feet, a central angle of 23°58'23" and a chord that bears North 78°00'49" East 223.66 feet;

thence along said curve easterly an arc distance of 225.30 feet;

thence North 74°59'46" East 114.57 feet to a point on a non-tangent curve to the right having a radius of 438.50 feet, a central angle of 16°06'38" and a chord that bears North 73°02'47" East 122.89 feet;

thence along said curve easterly an arc distance of 123.30 feet to a compound curve to the right having a radius of 50.71 feet, a central angle of 99°13'55" and a chord that bears South 49°16'57" East 77.25 feet;

thence along said curve southeasterly an arc distance of 87.83 feet;

thence South 89°43'57" East 10.00 feet to a point on the westerly right of way line of Redwood Road;

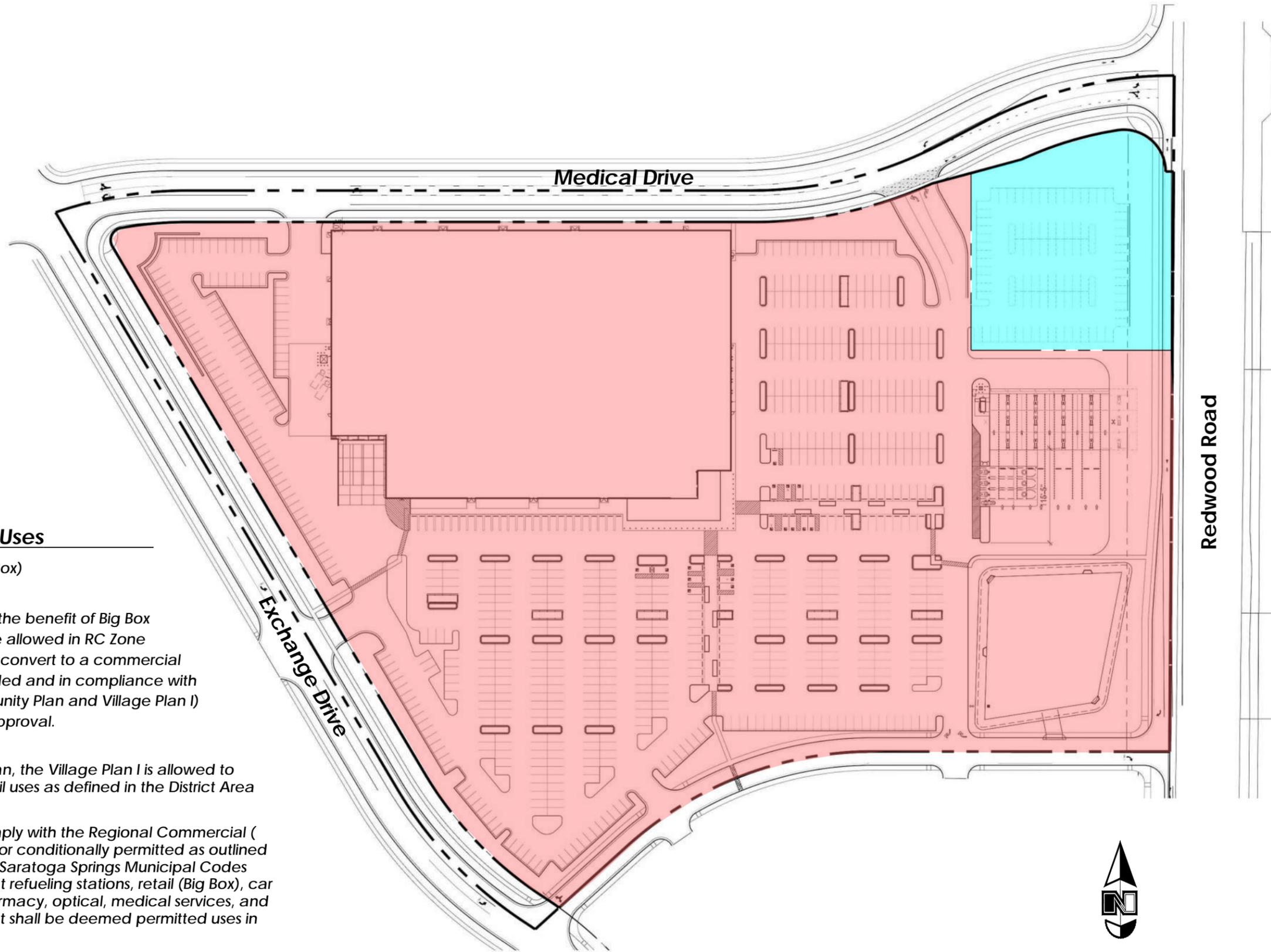
thence South 00°22'37" West 707.66 feet along said right of way;

thence North 89°58'52" West 344.33 feet to a curve to the left having a radius of 450.00 feet, a central angle of 42°09'07" and a chord that bears South 68°56'35" West 323.64 feet;

thence along said curve westerly an arc distance of 331.06 feet;

thence South 47°52'01" West 121.62 feet to the POINT OF BEGINNING.

Contains 798982 square feet or 18.342 acres, more or less.



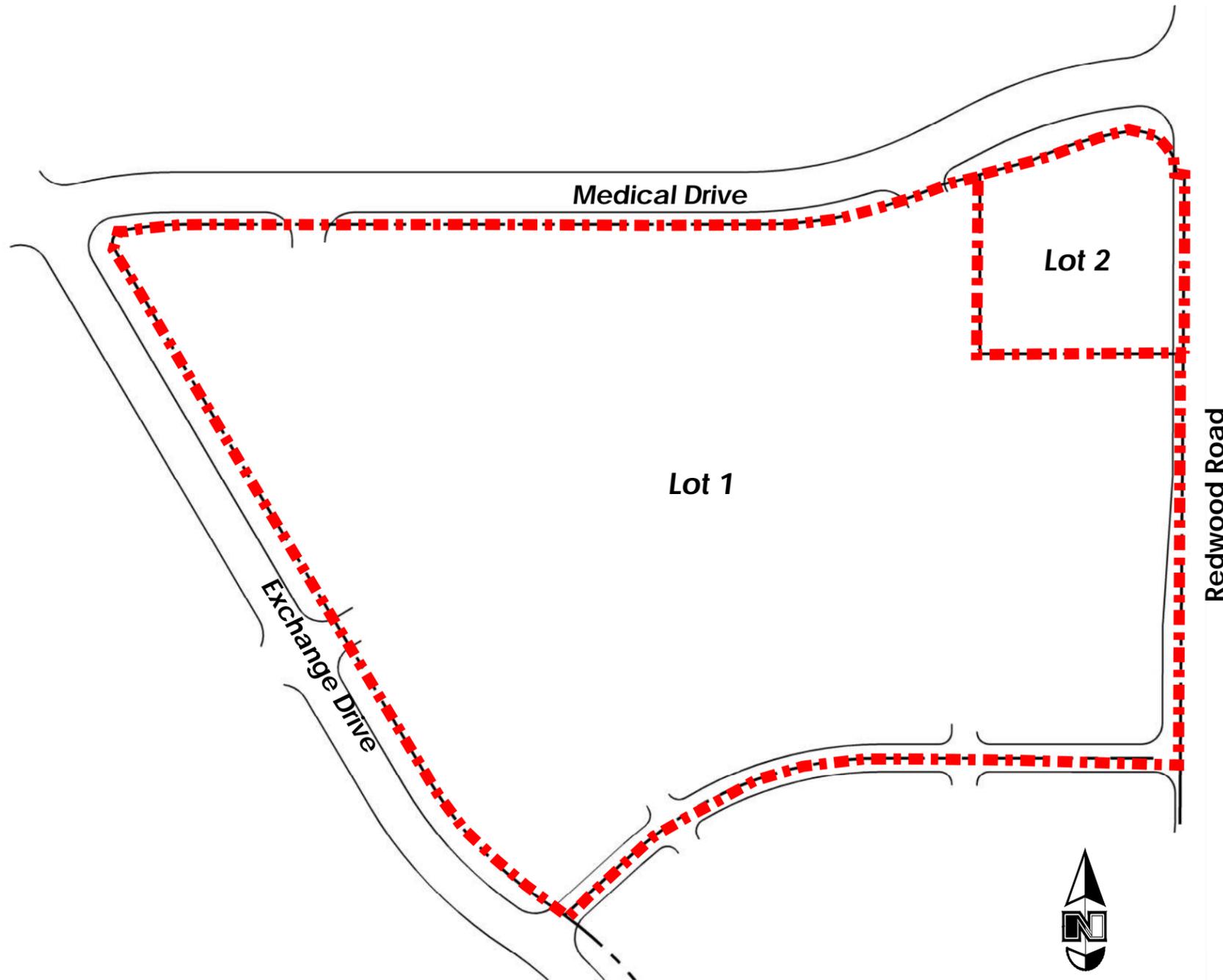
Regional Retail Uses

- Retail (Big Box)
- Parking for the benefit of Big Box or other use allowed in RC Zone
This lot can convert to a commercial use (if needed and in compliance with the Community Plan and Village Plan I) with staff approval.

Per the Community Plan, the Village Plan I is allowed to contain Regional Retail uses as defined in the District Area Plan.

Specific uses shall comply with the Regional Commercial (RC) uses as permitted or conditionally permitted as outlined in Section 19.04 of the Saratoga Springs Municipal Codes with the exception that refueling stations, retail (Big Box), car wash, tire service, pharmacy, optical, medical services, and e-commerce fulfillment shall be deemed permitted uses in Village Plan I.

Access to Redwood Road requires a permit from UDOT



Lot Breakdown

Lot #	Area (Acres)	Open Space %*	Maximum Building (s.f)**	ERU Allocation
1	17.03	11-14 Min.	348,659	161.0
2	1.30	11-14 Min.	26,819	12.4
Total	18.34	11-14 Min.	375,478	173.4

* Per Community Plan, Including Landscape Buffers

** Based on a 0.47 FAR

*** Undeveloped ERU's shall be reserved for future development within the project.

Equivalent Residential Units

District Area Plan

Per the District Area Plan, 4,620 ERU's are allowed for every 10 Million square feet of commercial building area which is the equivalent of 2,164.5 square feet per ERU.

Community Plan

A maximum of 504,869 square feet of building area is anticipated at the completion of all phases. The 24.66 acres included in this Community Plan translates to a total of 233.20 ERU's for the Community Plan

Village Plan I

A maximum of 375,478 square feet of building area is anticipated at the completion of all phases of the Village Plan I. Per the table above, the 18.34 acres included in this Village Plan I translates to a total of 173.4 ERU's.

Height Restrictions:

No structure in the Village Plan I shall be taller than fifty feet.

Setback and Yard Requirements:

Front (Redwood Road): 30 feet
 Sides: 10 feet
 Rear: 10 feet

Off-street Parking Requirements:

Off-street parking per Section 19.09 with the following exception that pedestrian walkways will be approved as shown in Village Plan I.

Maximum parking allowed for Village Plan I is up to 6 stalls per 1,000 s.f. based on gross floor area but excluding any canopies.

Open Space & Landscaping:

The total open space within the Village Plan I shall constitute a minimum of 11% of the total site area as required by the Community Plan. See pages 18-23 for landscape requirements.

Outdoor Display Areas:

Outdoor Storage, display, and sales areas are permitted on the sidewalks along building frontages with the following restrictions:

1. Such areas shall be clearly defined during site plan review per Section 19.14 of the Saratoga Springs Municipal Code.
2. Such areas shall not interfere with required pedestrian access and vehicular circulation.
3. Such areas are only permitted on sidewalks in excess of 8 feet in width and only in areas outside of the 8 foot sidewalk.

Outdoor Seating/Dining Areas:

Outdoor seating and dining areas are permitted on the sidewalks along building frontages with the following restrictions:

1. Such areas shall be clearly defined during site plan review per Section 19.14 of the Saratoga Springs Municipal Code.
2. Such areas shall not interfere with required pedestrian access and vehicular circulation.

Signage:

Pylon, Monument and Project Identification signs are permitted per Section 19.18.

Building signage for Lot 1 is permitted as shown on conceptual building elevations shown on page 14 and 16.

Building signage for Lot 2 is permitted per Section 19.18.

Lighting:

Section 19.11 lighting shall govern with the exception that parking lot light poles may include fixtures of the type and design shown in Figure 1.

Parking light poles of 36 feet 6 inches in height are permitted provided such lighting poles are bronze in color and designed to blend into existing backgrounds – See Figure 2.

Additional building accent and security lighting may be provided on the building not to exceed 20' in height. Wall mount fixtures shall be similar to Figure 1.

Lighting along public roads that will be maintained by the City, such as Redwood Road, shall be per City standard details and specifications.

All exterior lighting shall comply with the City of Saratoga Springs Dark Sky ordinance/requirements.



Figure 1

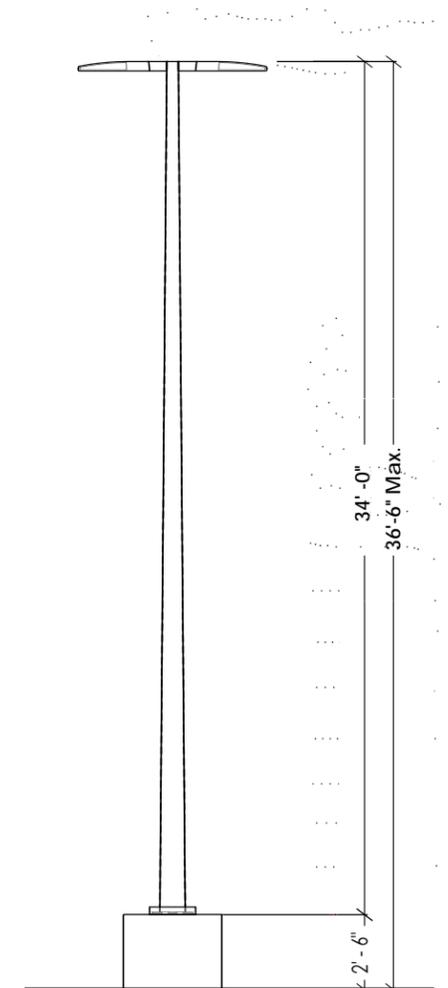
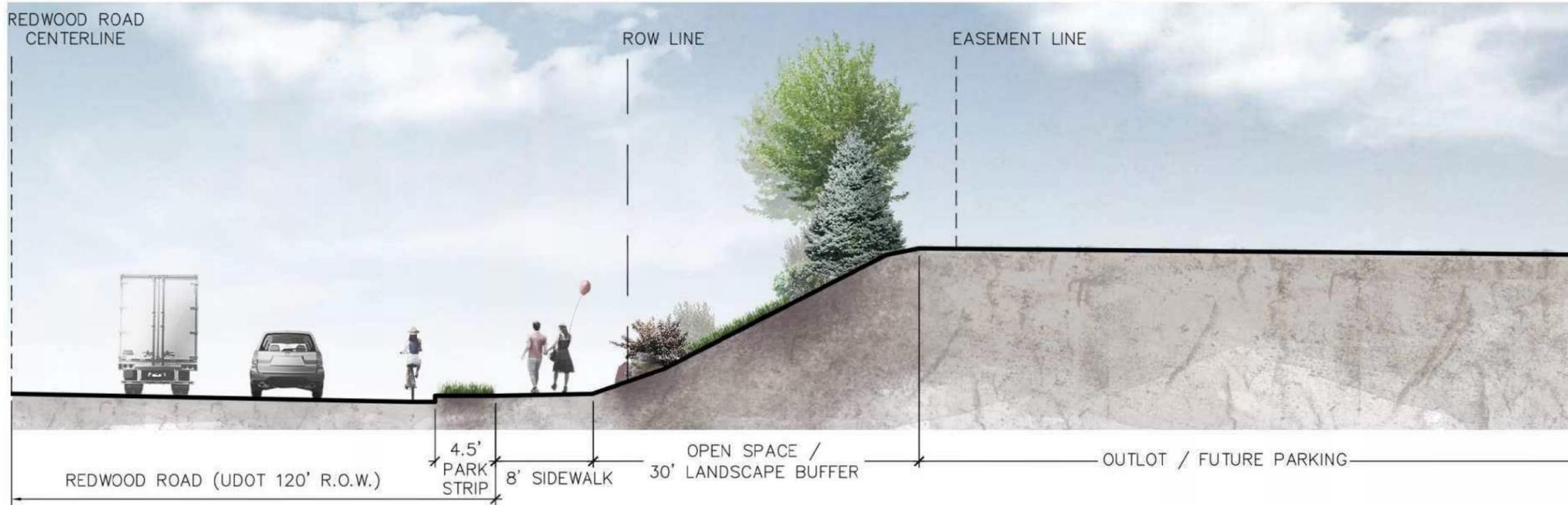
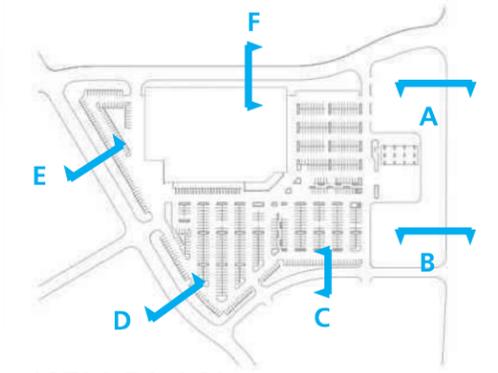


Figure 2

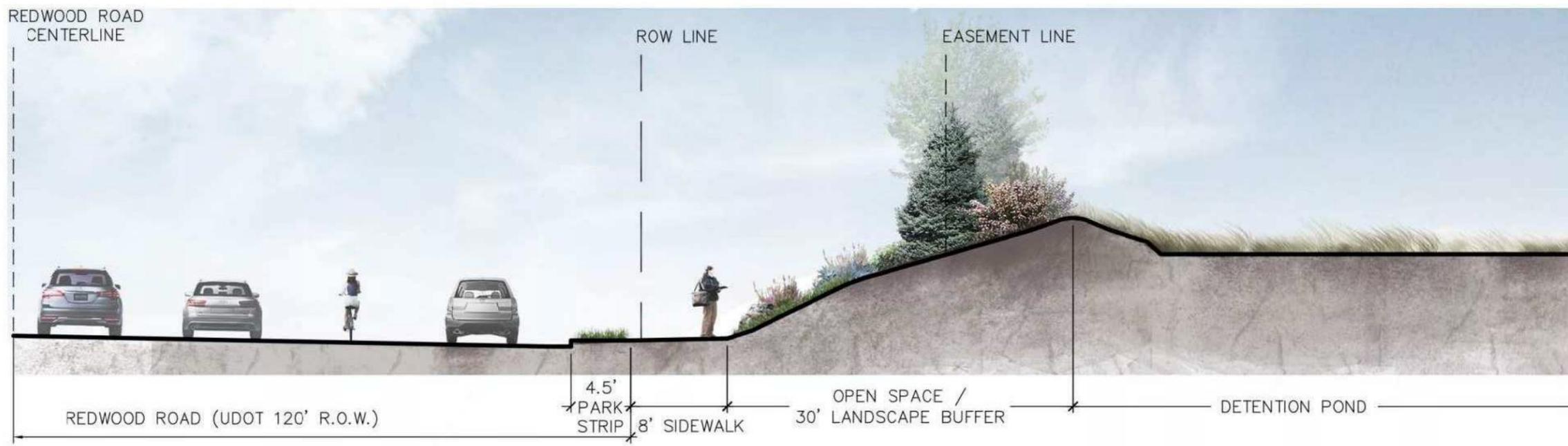


A REDWOOD ROAD NORTH BUFFER SECTION

Scale: 1"=10'-0"



KEY PLAN

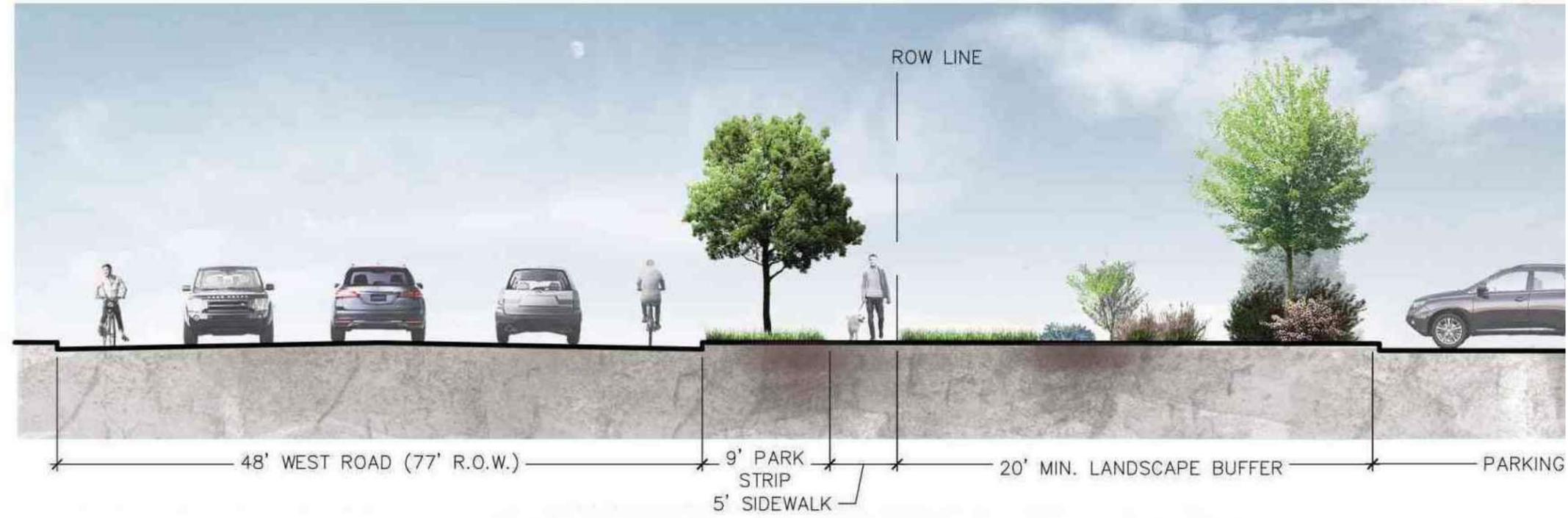
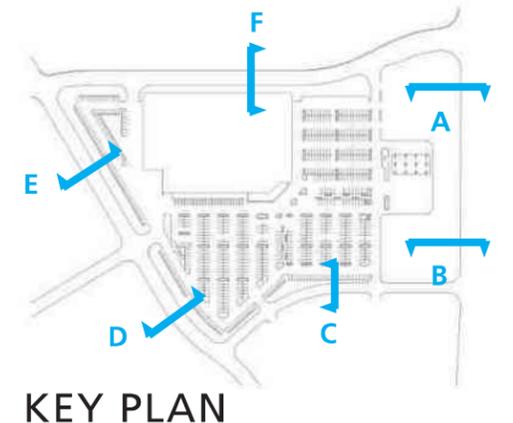


B REDWOOD ROAD SOUTH BUFFER SECTION

Scale: 1"=10'-0"

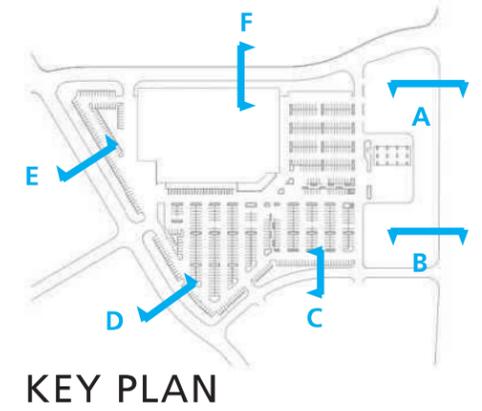
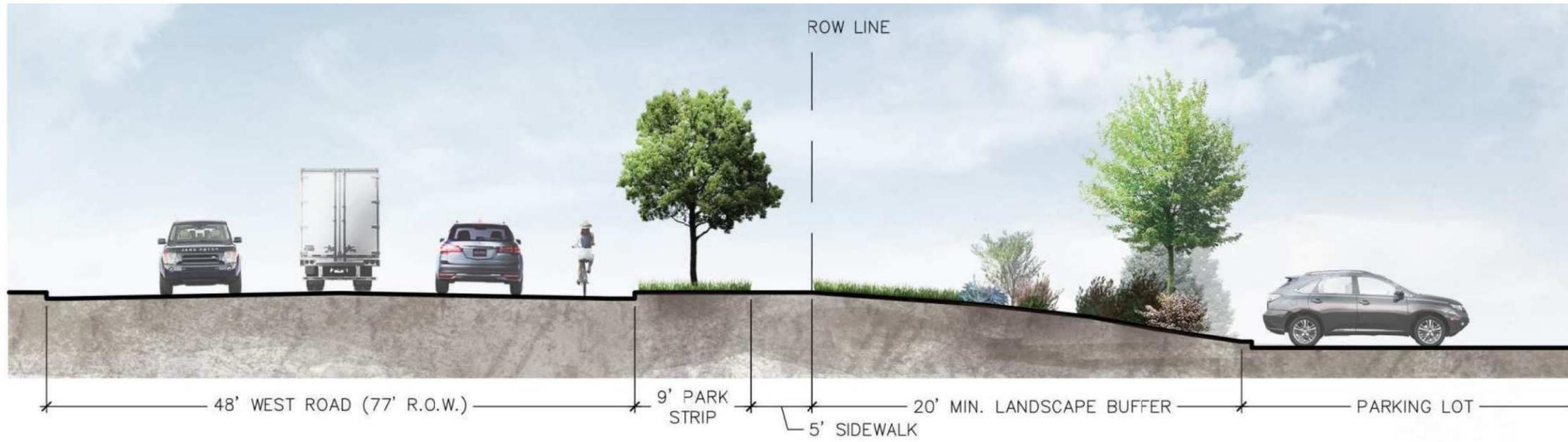


C SOUTH BUFFER SECTION
Scale: 1"=10'-0"



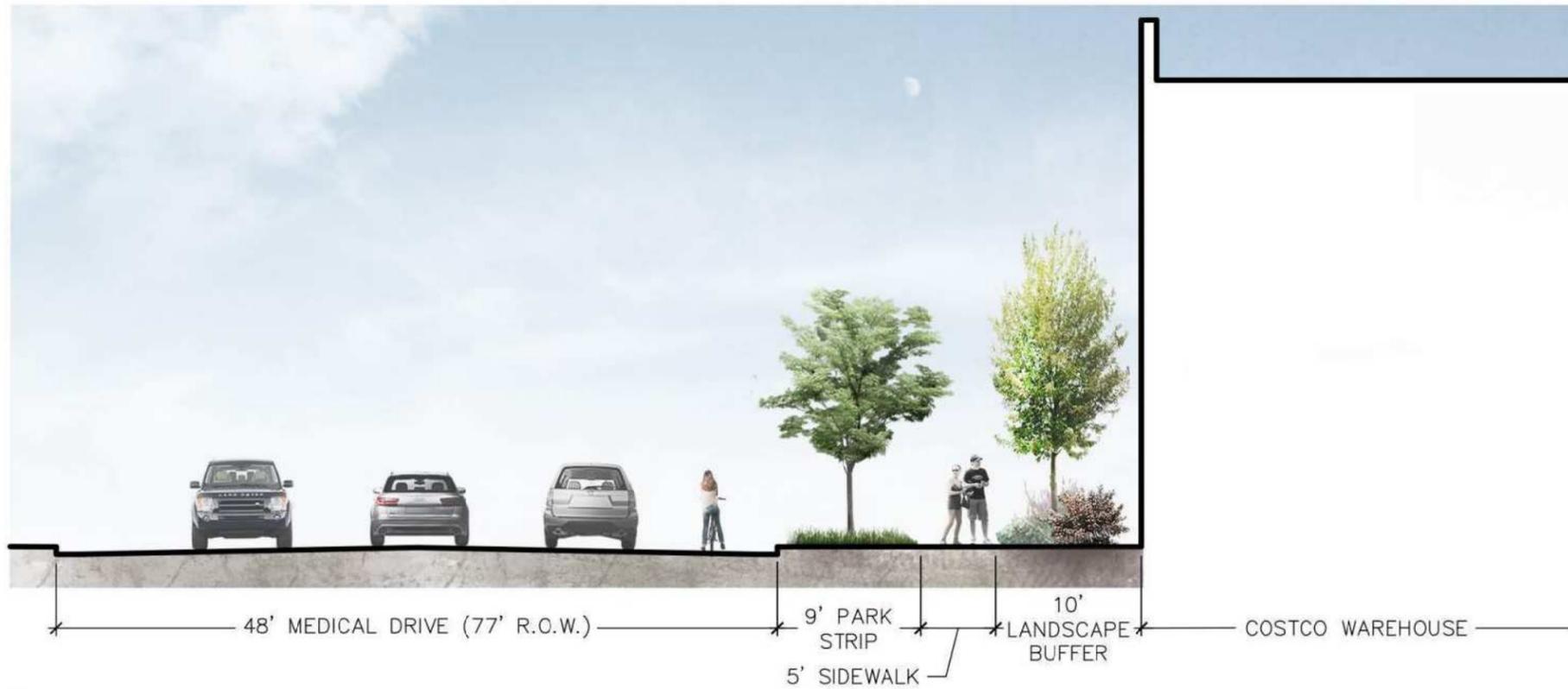
D SOUTHWEST BUFFER SECTION
Scale: 1"=10'-0"

WEISMANDESIGNGROUP



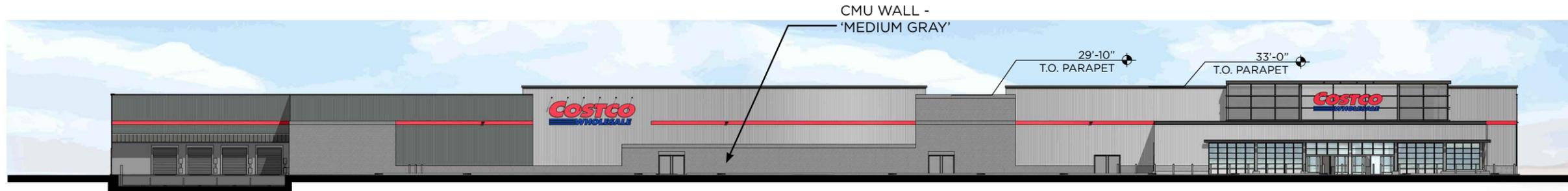
E NORTH WEST BUFFER SECTION

Scale: 1"=10'-0"

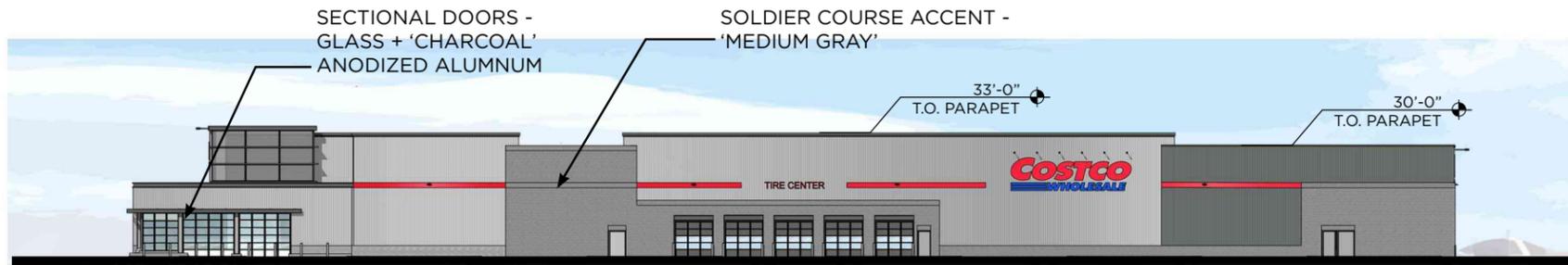


F MEDICAL DRIVE BUFFER SECTION

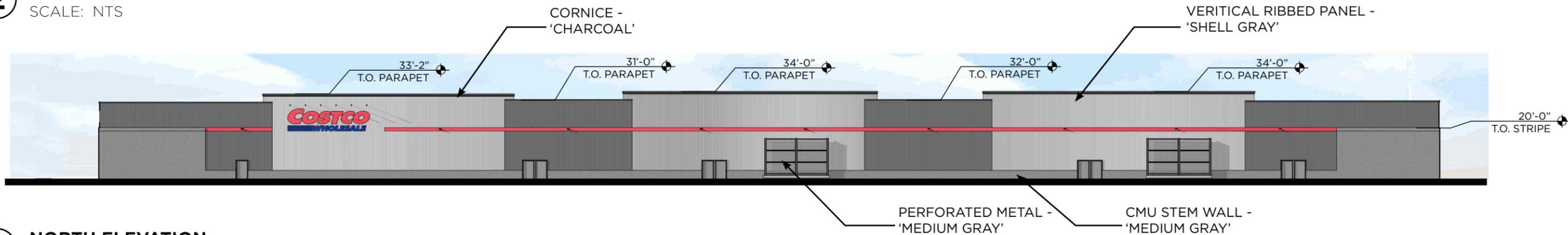
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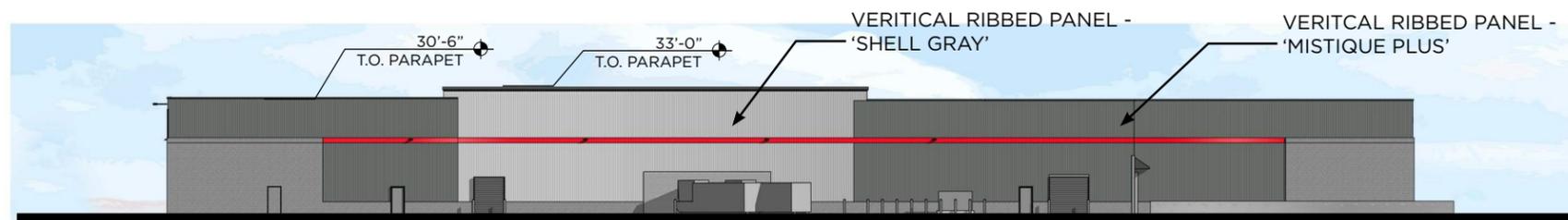
1 SOUTH ELEVATION
SCALE: NTS



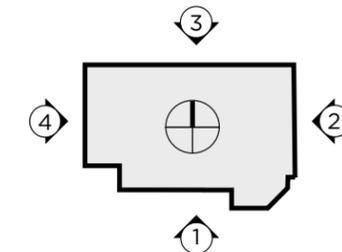
2 EAST ELEVATION
SCALE: NTS



3 NORTH ELEVATION
SCALE: NTS



4 WEST ELEVATION
SCALE: NTS







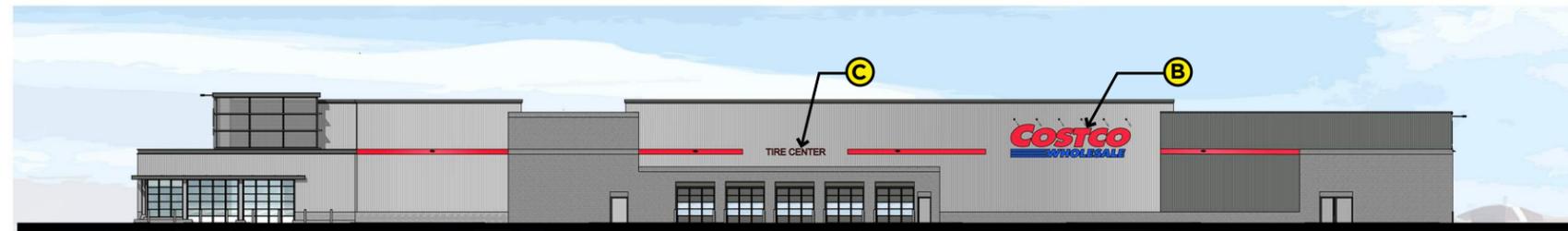




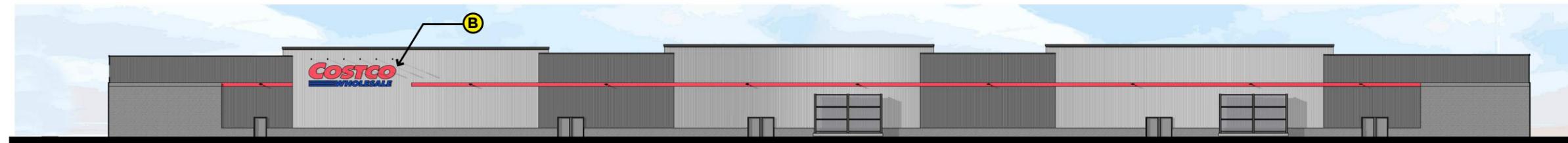




1 SOUTH ELEVATION
SCALE: NTS



2 EAST ELEVATION
SCALE: NTS



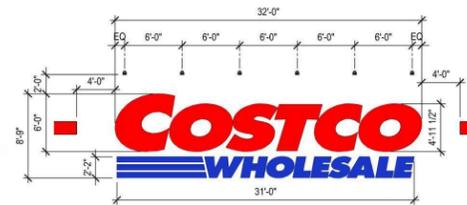
3 NORTH ELEVATION
SCALE: NTS



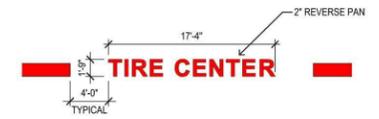
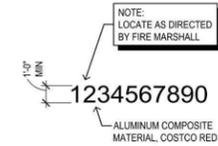
4 WEST ELEVATION
SCALE: NTS



A CANOPY SIGNAGE
SCALE: 1/8" = 1'-0" (SUPPLIED AND INSTALLED BY MBS) 1015

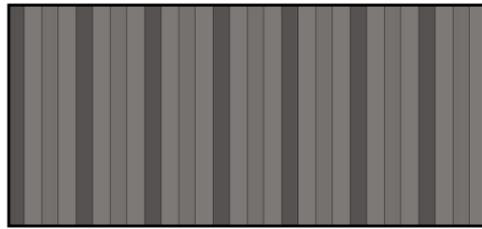


B BUILDING SIGNAGE
SCALE: 1/8" = 1'-0" (SUPPLIED AND INSTALLED BY MBS) 1015

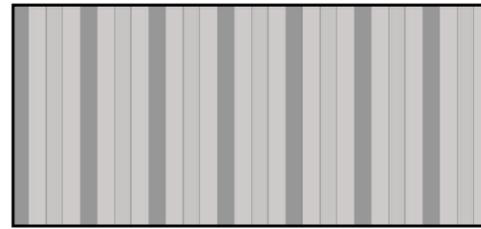


C LOCATION SIGNAGE
(SUPPLIED AND INSTALLED BY MBS)
SCALE: 1/8" = 1'-0" 1115

SIGNAGE AREA TABULATION (WALL SIGNS)				
QTY	SIGN	SIZE	AREA (SF) EA	TOTAL SF
3	COSTCO WHOLESALE	6'-0" "C"	280 SF	840 SF
1	COSTCO WHOLESALE	5'-0" "C"	194 SF	194 SF
1	TIRE CENTER	17'-4" X 1'-9"	31 SF	31 SF
3	COSTCO WHOLESALE	8'-6 5/8" X 2'-5 1/4"	21 SF	63 SF
TOTAL SQUARE FOOTAGE				1128 SF



A VERTICAL ARCHITECTURAL PANEL- MISTIQUE PLUS



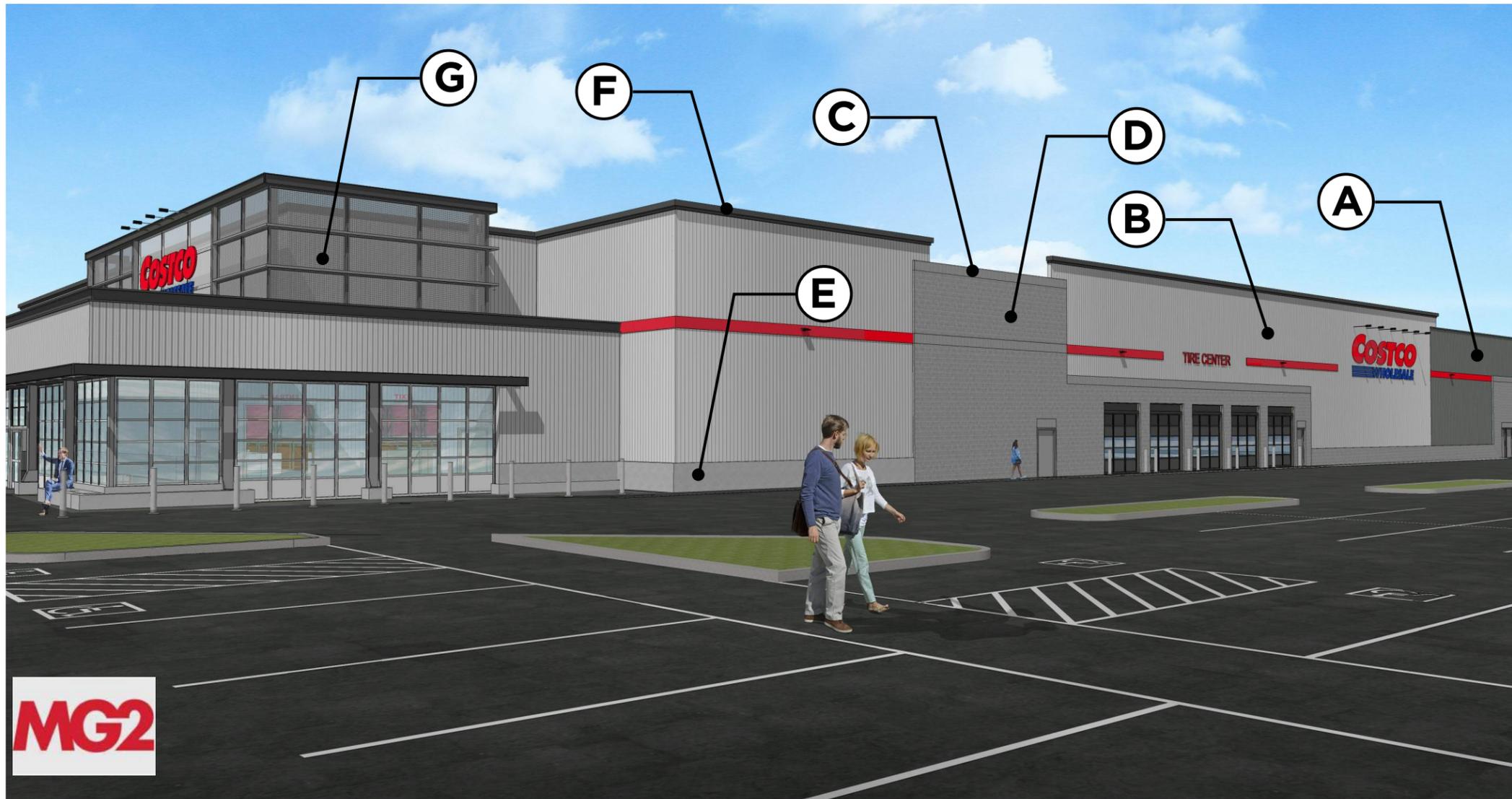
B VERTICAL ARCHITECTURAL PANEL- SHELL GRAY



C SMOOTH FACE SOLDIER COURSE - MEDIUM GRAY



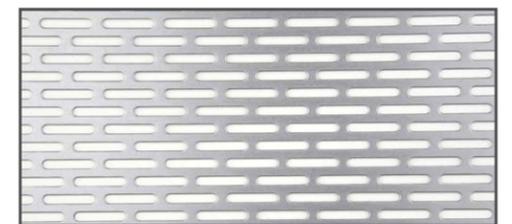
D SPLIT FACE MASONRY - MEDIUM GRAY



E CONCRETE - NATURAL FINISH

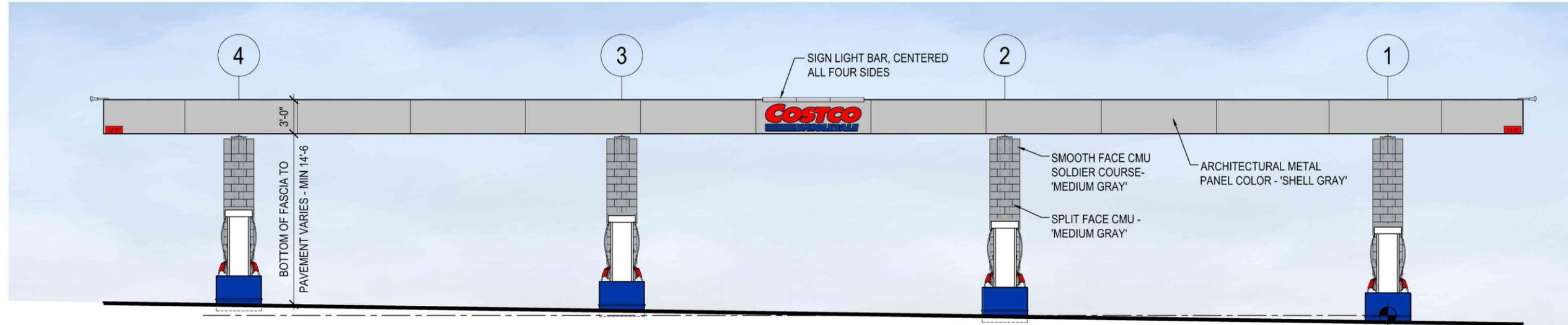


F COPING - CHARCOAL

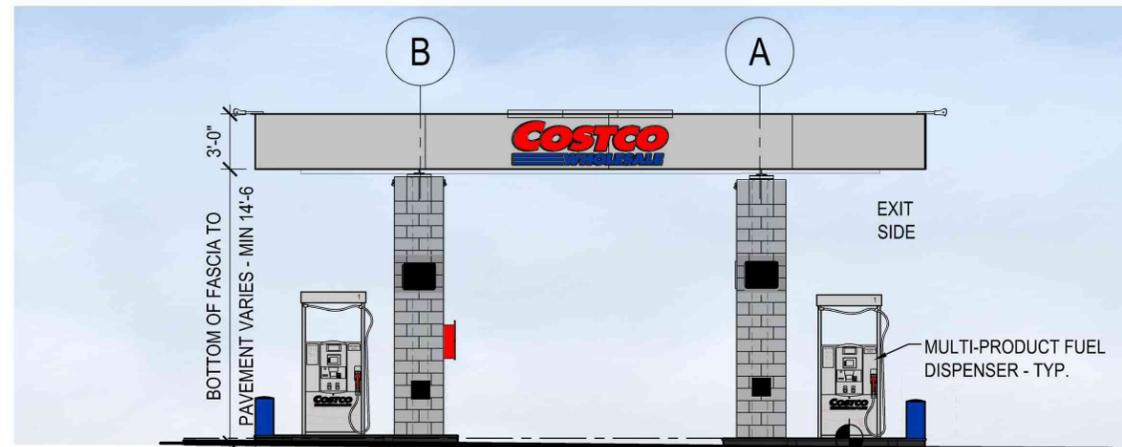


G PERFORATED METAL - VARYING GRAYS

MG2



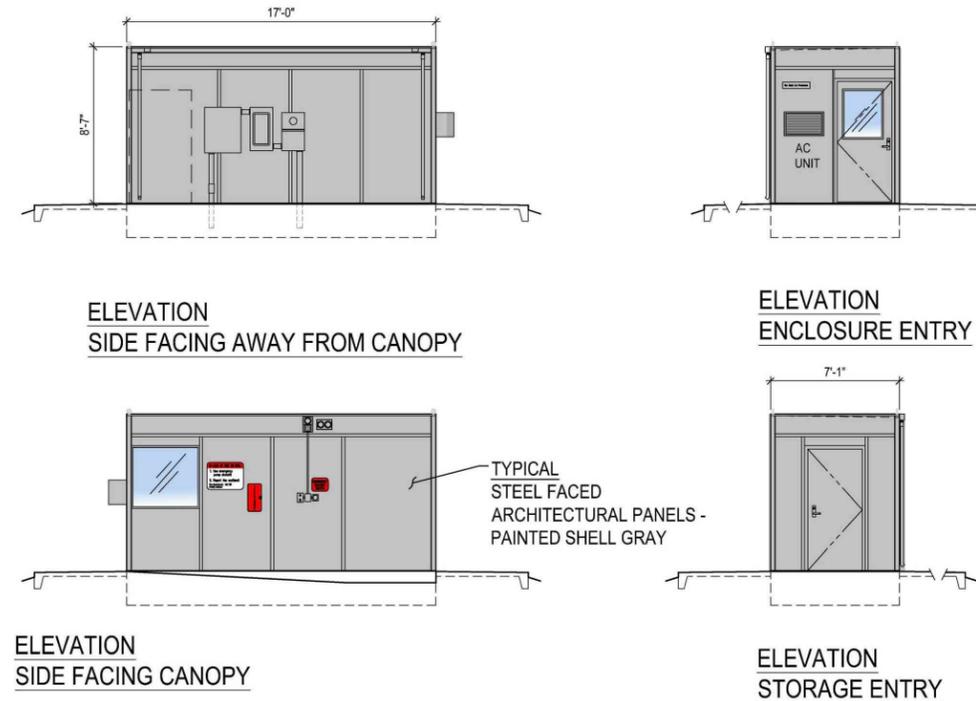
1 NORTH AND SOUTH ELEVATIONS



2 EAST ELEVATION



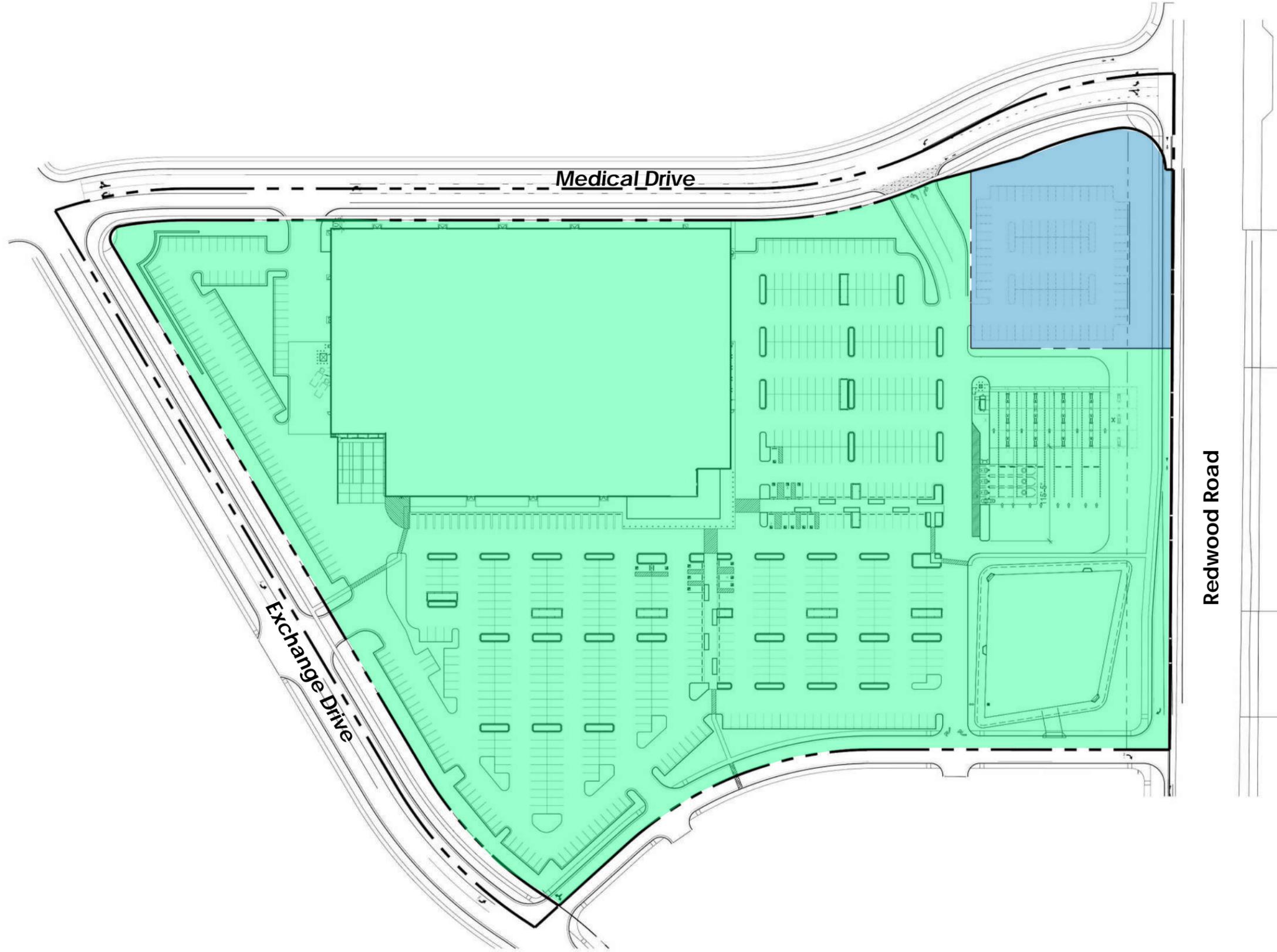
4 CANOPY SIGN
(SUPPLIED AND INSTALLED BY CANOPY SUPPLIER)

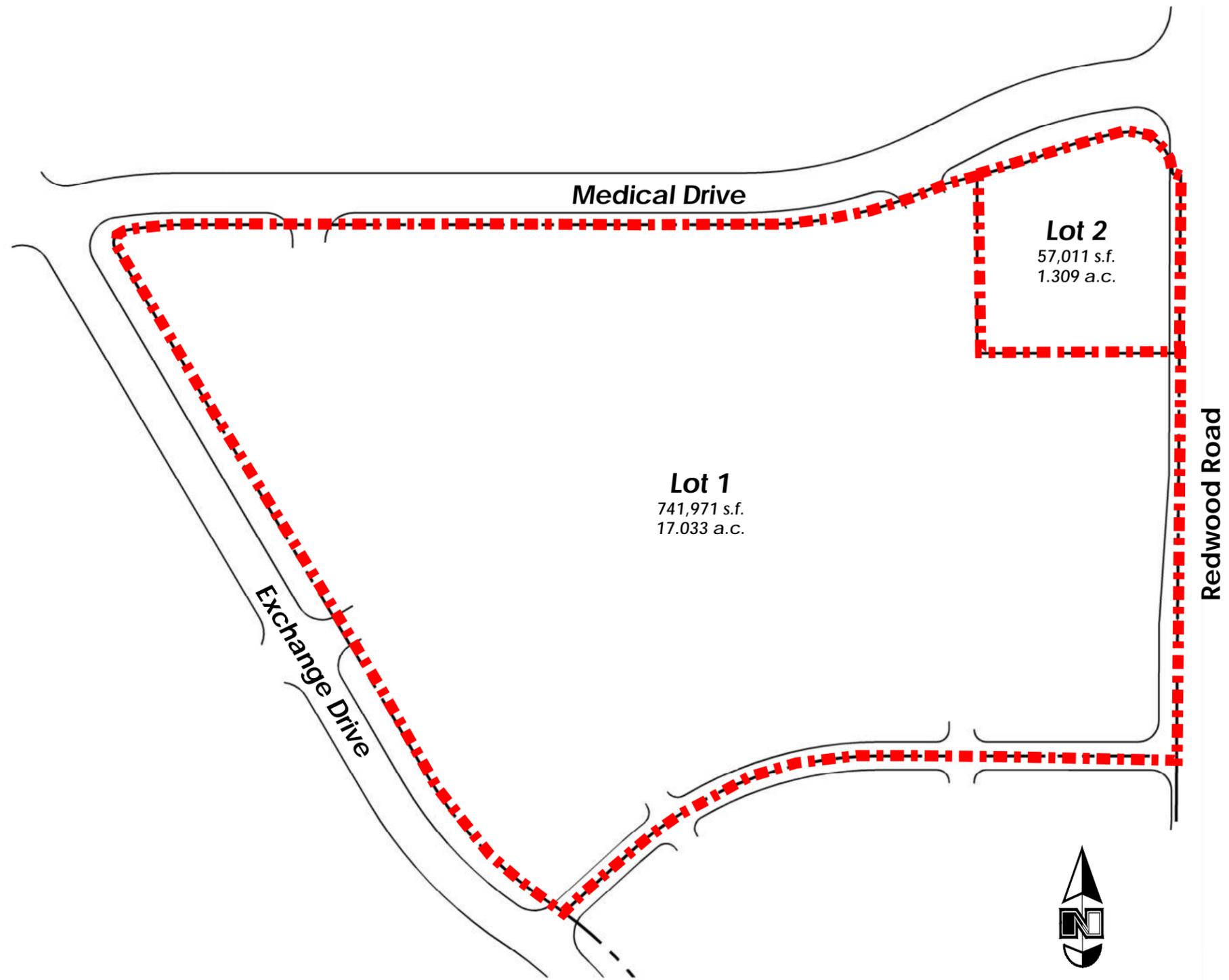


3 CONTROLLER ENCLOSURE



- Phases**
- Phase I of
 - Future Phase





All landscaping shall be maintained by the property owner(s) within the Community Plan.



Note: Building and parking layouts are conceptual and are subject to all development requirements and approvals. Open space areas shown here are conceptual and the total open space for all lots within the Phase I Village Plan shall constitute a minimum of 11% of the total site area and are subject to all development requirements and approvals.

Conceptual Landscape Plan: Adjust planting as needed for site plan. Adhere to required landscape and open space percentage specified in the Community Plan. Adhere to the City of Saratoga Springs minimum landscape standards for RC Zone for quantity of trees, shrubs, and lawn.



WEISMANDESIGNGROUP

PRELIMINARY LANDSCAPE LEGEND

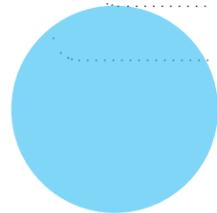
(SYMBOLS SHOWN AT 1"=20'-0")

SYMBOL	BOTANICAL NAME	COMMON NAME	MATURE HT./SPR.	SIZE / CONDITION
DECIDUOUS TREES				
	ACER RUBRUM 'NORTHWOOD'	NORTHWOOD MAPLE	50' HT. / 30' SPR.	MIN. 2" CAL., 10'-12' HT., WELL-BRANCHED ABOVE 6', MATCHED, B&B.
	GLEDTISIA T. INERMIS 'SHADEMASTER'	SHADEMASTER THORNLESS HONEYLOCUST	35' HT. / 35' SPR.	
	QUERCUS RUBRA 'CRIMSON SPIRE'	COLUMNAR RED OAK	45' HT. / 15' SPR.	
	TILIA AMERICANA 'REDMOND'	REDMOND AMERICAN LINDEN	50' HT. / 35' SPR.	
	TILIA CORDATA	LITTLELEAF LINDEN	50' HT. / 35' SPR.	
	ULMUS X 'MORTON'	ACCOLADE ELM	50' HT. / 35' SPR.	
ORNAMENTAL TREES				
	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY REDBUD	15' HT. / 15' SPR.	MIN. 2" CAL., 8'-10' HT., MATCHED, B&B.
	MALUS 'SPRING SNOW'	SPRING SNOW CRABAPPLE	25' HT. / 20' SPR.	
	PRUNUS VIRGINIANA 'CANADA RED'	CHOKECHERRY	25' HT. / 20' SPR.	
	SYRINGA RETICULATA	JAPANESE TREE LILAC	25' HT. / 15' SPR.	
EVERGREEN TREES				
	ABIES CONCOLOR	WHITE FIR	40' HT. / 20' SPR.	MIN. 8'-10' HT., FULL AND BUSHY TO BASE, B&B
	* PICEA PUNGENS	COLORADO SPRUCE	40' HT. / 15' SPR.	
	* PINUS FLEXILIS 'VANDERWOLF'S PYRAMID'	VANDERWOLF LIMBER PINE	25' HT. / 15' SPR.	
	PINUS NIGRA	AUSTRIAN PINE	50' HT. / 20' SPR.	
LARGE SHRUBS				
	ALL FULL & BUSHY, MIN. 5 GAL. CONT., SPACING AS SHOWN.			
	CORNUS SERICEA	RED OSIER DOGWOOD	8' HT. / 10' SPR.	24"-30" HEIGHT AND SPREAD
	* COTINUS COGGYGRIA	SMOKE TREE	12' HT. / 12' SPR.	
	JUNIPERUS CH. 'SEA GREEN'	SEA GREEN JUNIPER	5' HT. / 7' SPR.	
	* RHUS GLABRA 'CISMONTANA'	SMOOTH SUMAC	12' HT. / 12' SPR.	
	* RIBES AUREUM	GOLDEN CURRANT	5' HT. / 5' SPR.	
	PHYSOCARPUS A. 'SUMMER WINE'	SUMMER WINE NINEBARK	4' HT. / 4' SPR.	
	PEROVSKIA ATRIPLICIFOLIA	RUSSIAN SAGE	4' HT. / 4' SPR.	
	PRUNUS X CISTENA	PURPLE LEAF SAND CHERRY	8' HT. / 6' SPR.	
	MEDIUM SHRUBS			
	ALL FULL & BUSHY, MIN. 5 GAL. CONT., SPACING AS SHOWN.			
	MAHONIA AQUIFOLIUM 'COMPACTA'	COMPACT OREGON GRAPE	3' HT. / 3' SPR.	18"-21" HEIGHT AND SPREAD
	JUNIPERUS CH. 'MINT JULEP'	MINT JULEP JUNIPER	4' HT. / 6' SPR.	
	VIBURNUM OPULUS 'COMPACTUM'	DWARF EUROPEAN CRANBERRYBUSH VIBURNUM	4' HT. / 4' SPR.	
* YUCCA BACCATA	BANANA YUCCA	3' HT. / 8' SPR.		
SMALL SHRUBS				
	ALL FULL & BUSHY, MIN. 5 GAL. CONT., SPACING AS SHOWN.			
	BERBERIS THUNBERGII 'CRIMSON PYGMY'	CRIMSON PYGMY BARBERRY	2' HT. / 2' SPR.	MIN. 15"-18" HT. & SPREAD
	* POTENTILLA FRUTICOSA 'GOLDSTAR'	GOLD STAR POTENTILLA	3' HT. / 3' SPR.	
	* PACHISTIMA MYRSINITES	MOUNTAIN LOVER	2' HT. / 2' SPR.	
	PINUS MUGO VAR. 'PUMILIO'	DWARF MUGHO PINE	2' HT. / 5' SPR.	
	* PRUNUS BESSEYI 'PAWNEE BUTTES'	WESTERN SAND CHERRY	2' HT. / 5' SPR.	
* RIBES ALPINUM 'GREEN MOUND'	DWARF ALPINE CURRANT	3' HT. / 3' SPR.		

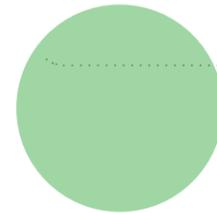
SYMBOL	BOTANICAL NAME	COMMON NAME	MATURE HT./SPR.	SIZE / CONDITION
GROUNDCOVERS, GRASSES & PERENNIALS				
ALL FULL & BUSHY, CONT.				
	EUCNYMUS FORTUNEI 'COLORATUS'	PURPLE WINTERCREEPER	9" HT. / 3' SPR.	MIN. 2 GAL. CONT., MIN. 24" SPREAD, START FIRST ROW 36" FROM EDGE. INSTALL AT 48" O.C.
	* RHUS TRILOBATA 'AUTUMN AMBER'	AUTUMN AMBER SUMAC	18" HT. / 6' SPR.	
	JUNIPERUS SABINA 'BUFFALO'	CREEPING JUNIPER	9" HT. / 6' SPR.	
	* SCHIZACHYRIUM SCOPARIUM 'THE BLUES'	LITTLE BLUESTEM	3' HT. / 2' SPR.	
	* DESCHAMPSIA CESPITOSA	TUFTED HAIR GRASS	3' HT. / 2' SPR.	
	* PANICUM VIRGATUM 'HEAVY METAL'	SWITCH GRASS	5' HT. / 3' SPR.	
	* BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLUE GRAMA GRASS	3' HT. / 2' SPR.	
	* GAILLARDIA ARISTATA 'ORANGES & LEMONS'	BLANKET FLOWER	2' HT. / 1.5' SPR.	
	* PENSTEMON STRICTUS	ROCKY MOUNTAIN PENSTEMON	2' HT. / 3' SPR.	
	RUDBECKIA HIRTA 'GOLDSTURM'	BLACK-EYED SUSAN	2' HT. / 2' SPR.	
NEPETA X F. 'DROPMORE'	CATMINT	2' HT. / 2' SPR.		
NATIVE SHRUB AREAS				
	* CERCOCARPUS LEDIFOLIA	MOUNTAIN MAHOGANY	30' HT. / 20' SPR.	MIN. 5 GAL. CONT., SPACING AS SHOWN. 18"-21" HEIGHT AND SPREAD
	* FORESTERIA NEOMEXICANA	DESERT OLIVE	15' HT. / 12' SPR.	
	* CHAMAEBATRIA MILLEFOLIUM	FERN BUSH	6' HT. / 6' SPR.	
	* CHRYSOTHAMNUS NAUSEOSUS	RUBBER RABBITBUSH	3' HT. / 3' SPR.	
	* COWANIA MEXICANA	MEXICAN CLIFF ROSE	6' HT. / 6' SPR.	
	* FALLUGIA PARADOXA	APACHE PLUME	5' HT. / 4' SPR.	
	* EPHEDRA VIRIDIS	MORMON TEA	5' HT. / 5' SPR.	
	* AGAVE PARRYI	PARRY'S AGAVE	2' HT. / 3' SPR.	
	* ARTEMESIA FILLEFOLIA	SAND SAGE	3' HT. / 3' SPR.	
	* ERIOGONUM UMBELLATUM	SULPHUR FLOWER	1' HT. / 2' SPR.	
* PENSTEMON EATONII	FIRECRACKER PENSTEMON	3' HT. / 2' SPR.		
* SPHAERALCEA AMBIGUA	DESERT MALLOW	4' HT. / 3' SPR.		
* YUCCA BACCATA	BANANA YUCCA	3' HT. / 8' SPR.		
ROUGH SEED				
	LOCAL NATIVE SEED BLEND.			
SOD LAWN				
	LOCALLY GROWN DROUGHT TOLERANT KENTUCKY BLUEGRASS BLEND.			
CRUSHED ROCK SURFACING				
	SEE CIVIL			
DECORATIVE ROCK & EDGING				
DECORATIVE ROCK				
	BLENDED, LOCALLY SOURCED ROUND RIVER ROCK, COLOR WARM TAN AND GRAYS. 50% 2"-4" SIZE AND 50% 4"-8" SIZE. 7" DEPTH WITH WEED BARRIER. SECURE FABRIC WITH SOIL STAPLES AT 6' O.C., AND OVERLAP SEAMS BY MINIMUM 6".			
ROCK MULCH IN PLANTING AREAS				
	1" SIZE LANDSCAPE ROCK, COLOR EARTH TONES. 3" DEPTH WITH WEED BARRIER. SECURE FABRIC WITH SOIL STAPLES AT 6' O.C., AND OVERLAP SEAMS BY MINIMUM 6".			
BARK MULCH AT PLANTS				
	3" DEPTH, HIGH QUALITY HARDWOOD BARK MULCH - SEE SPECS. IN ROCK MULCH AREAS, SURROUND ALL PLANT MATERIALS WITH BARK MULCH RING, DIAMETER TO BE TWICE THE ROOTBALL SIZE.			
EDGING				
	4" ALUMINUM EDGING AT ALL EDGES BETWEEN ROCK AND MULCH.			
BOULDERS - 4'X4'X3' AVERAGE SIZE (LARGER AT CORNER PLAZAS)				
	LOCALLY SOURCED, ROUNDED EDGES, NO FLAKING OR SHARP EDGES.			



Legend



Corner Landscaping

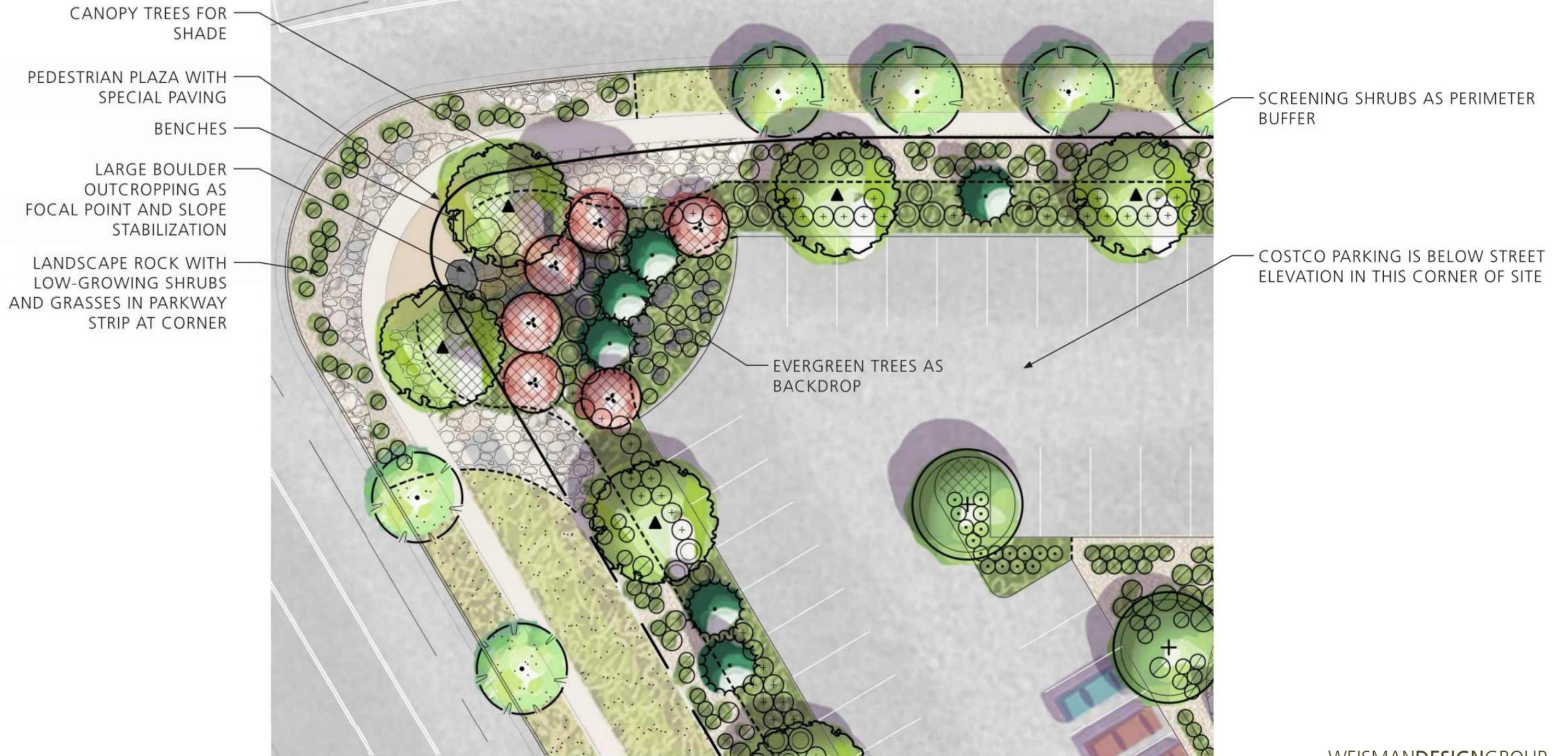


Accent Landscaping



WEISMANDESIGNGROUP

Northwest Corner:
Landscaping



WEISMANDESIGNGROUP

Northeast Corner:
Landscaping



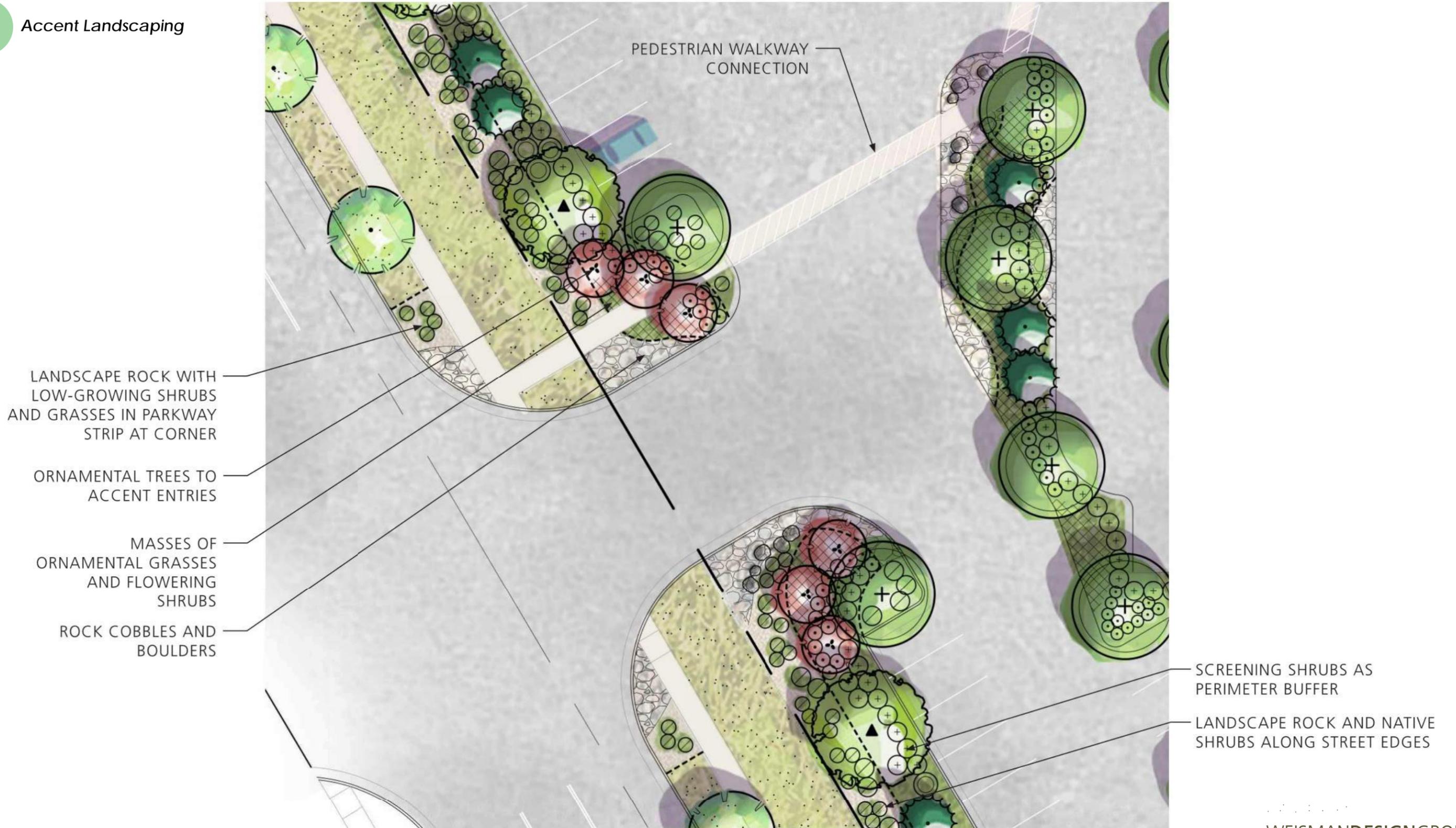
- PEDESTRIAN PLAZA WITH SPECIAL PAVING
- BENCHES
- LARGE BOULDER OUTCROPPING AS FOCAL POINT AND SLOPE STABILIZATION
- LANDSCAPE ROCK WITH LOW-GROWING SHRUBS AND GRASSES IN PARKWAY STRIP AT CORNER
- CANOPY TREES FOR SHADE
- LAWN ON SLOPES

SCREENING SHRUBS AS PERIMETER BUFFER

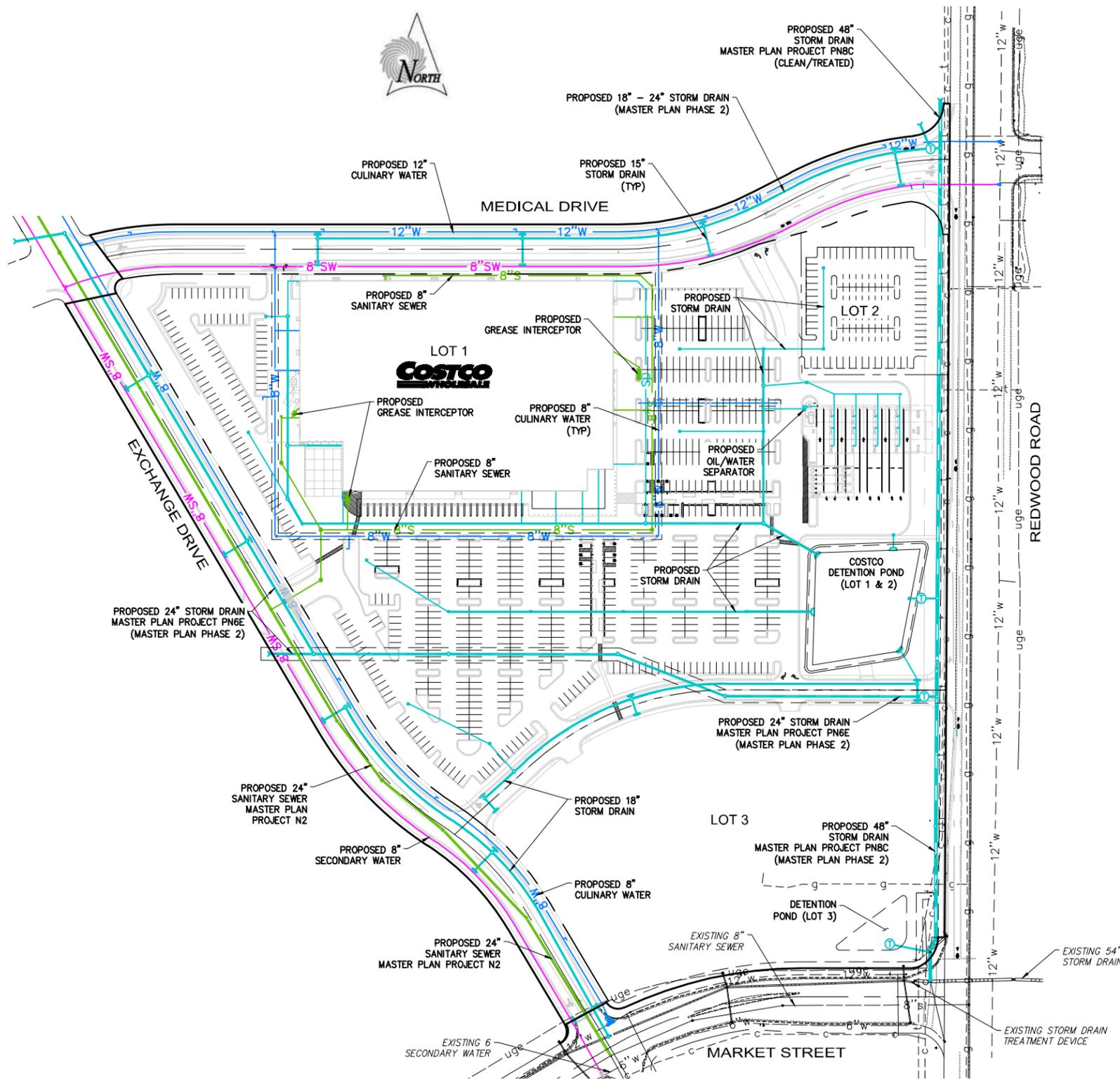
OUTLOT / FUTURE PARKING IS ABOVE STREET ELEVATION IN THIS CORNER OF SITE

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Accent Landscaping



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LEGEND

---	s	EXISTING SEWER
---	w	EXISTING WATER LINE
---	uge	EXISTING UNDERGROUND ELECTRIC
---	g	EXISTING GAS LINE
---	t	EXISTING UNDERGROUND TELEPHONE
---	c	EXISTING CABLE LINE
---		EXISTING UTILITY, TYPE & SIZE PER PLAN
---		EXISTING PROPERTY LINE
○		EXISTING SIGN
⊗		EXISTING GATE VALVE
⊗		EXISTING FIRE HYDRANT
⊗		EXISTING WATER METER
⊗		EXISTING SEWER MANHOLE
⊗		EXISTING STORM DRAIN MANHOLE
⊗		EXISTING CATCH BASIN
⊗		EXISTING STORM DRAIN AND STRUCTURE
---		EASEMENT
---		LOT LINE
---		RIGHT-OF-WAY
---		ROADWAY CENTERLINE
---		SECTION LINE
---	x"s	PROPOSED SEWER
---	x"w	PROPOSED WATER LINE
---	x"sw	PROPOSED SECONDARY WATER LINE
---		PROPOSED PROPERTY LINE
○		PROPOSED SIGN
⊗		PROPOSED GATE VALVE
⊗		PROPOSED FIRE HYDRANT
⊗		PROPOSED SEWER MANHOLE
⊗		PROPOSED STORM DRAIN MANHOLE
⊗		PROPOSED CATCH BASIN
⊗		PROPOSED STORM DRAIN AND STRUCTURE
⊗		PROPOSED TEE
⊗		PROPOSED ELBOW
⊗		PROPOSED STORM WATER TREATMENT DEVICE

NOTES:

- LAYOUT OF SITE AND UTILITIES IS CONCEPTUAL. FINAL UTILITIES LAYOUT WILL BE DETERMINED AT SITE PLAN APPROVAL.
- SITE(S) WILL PROVIDE DETENTION PONDS WITH A RELEASE RATE OF 0.12 CFS/ACRE.



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Street / Roads

-  Existing Public
-  Proposed Private
-  Proposed Public

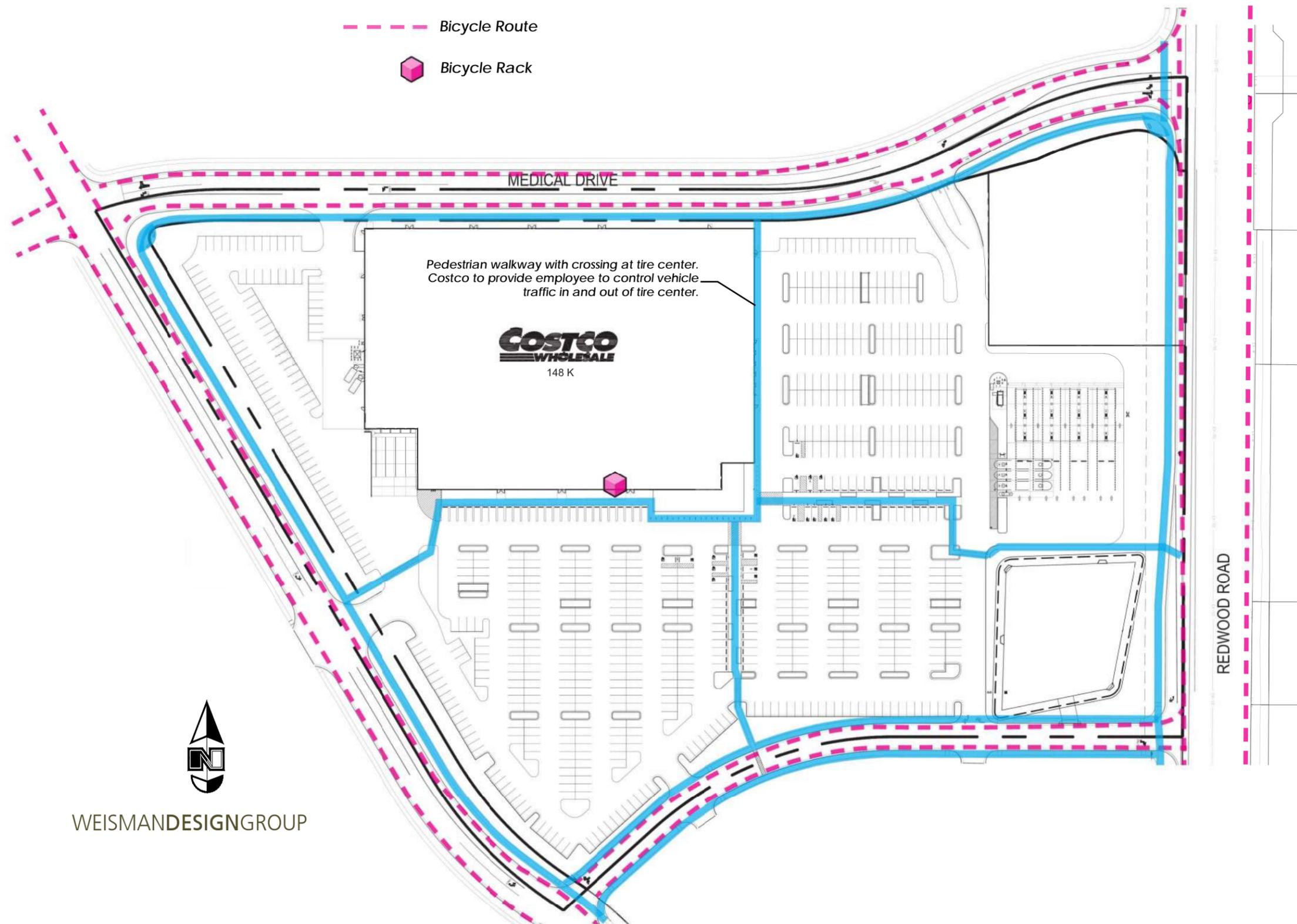


Legend

 Pedestrian Route

 Bicycle Route

 Bicycle Rack

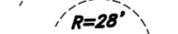


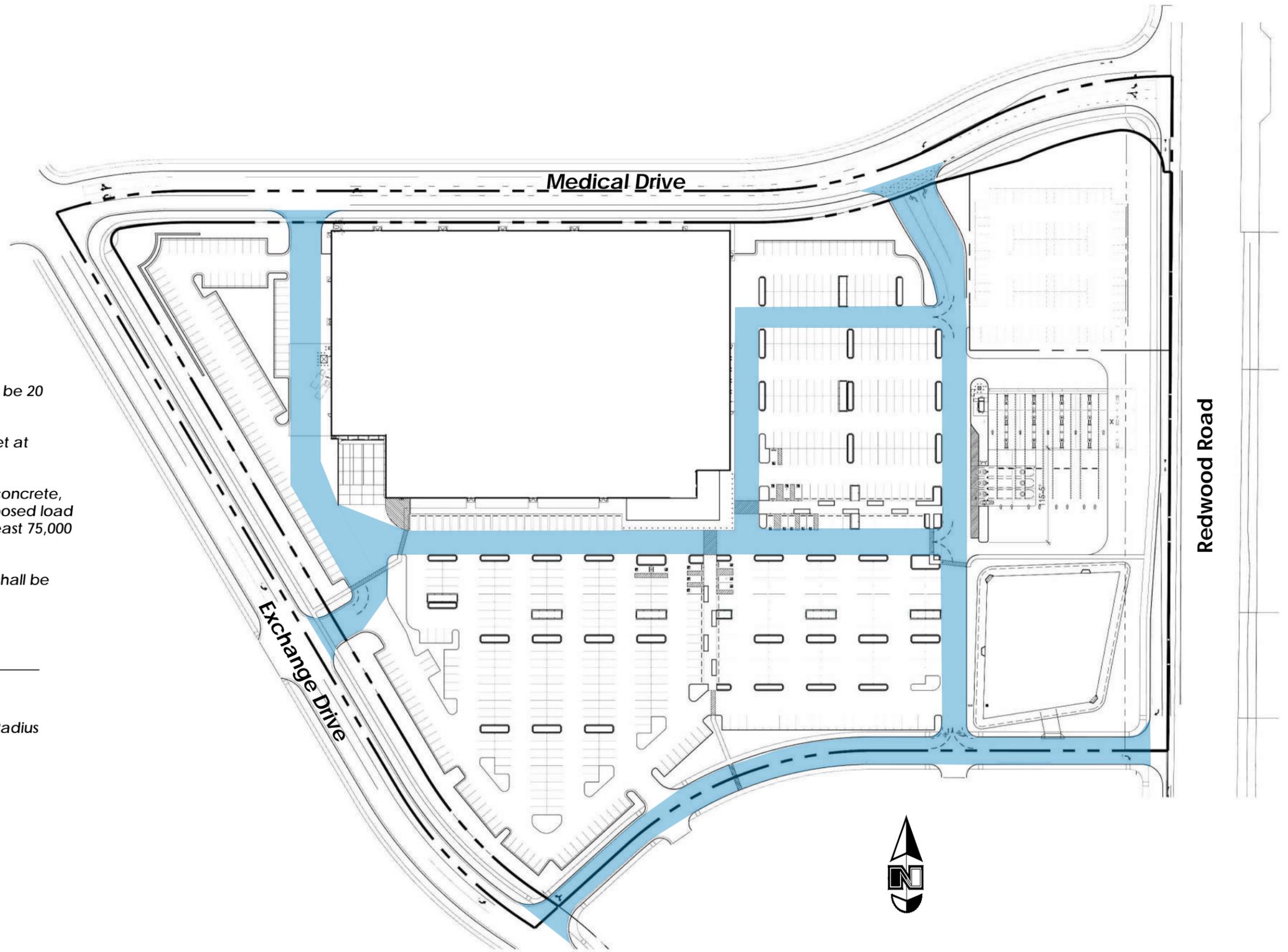
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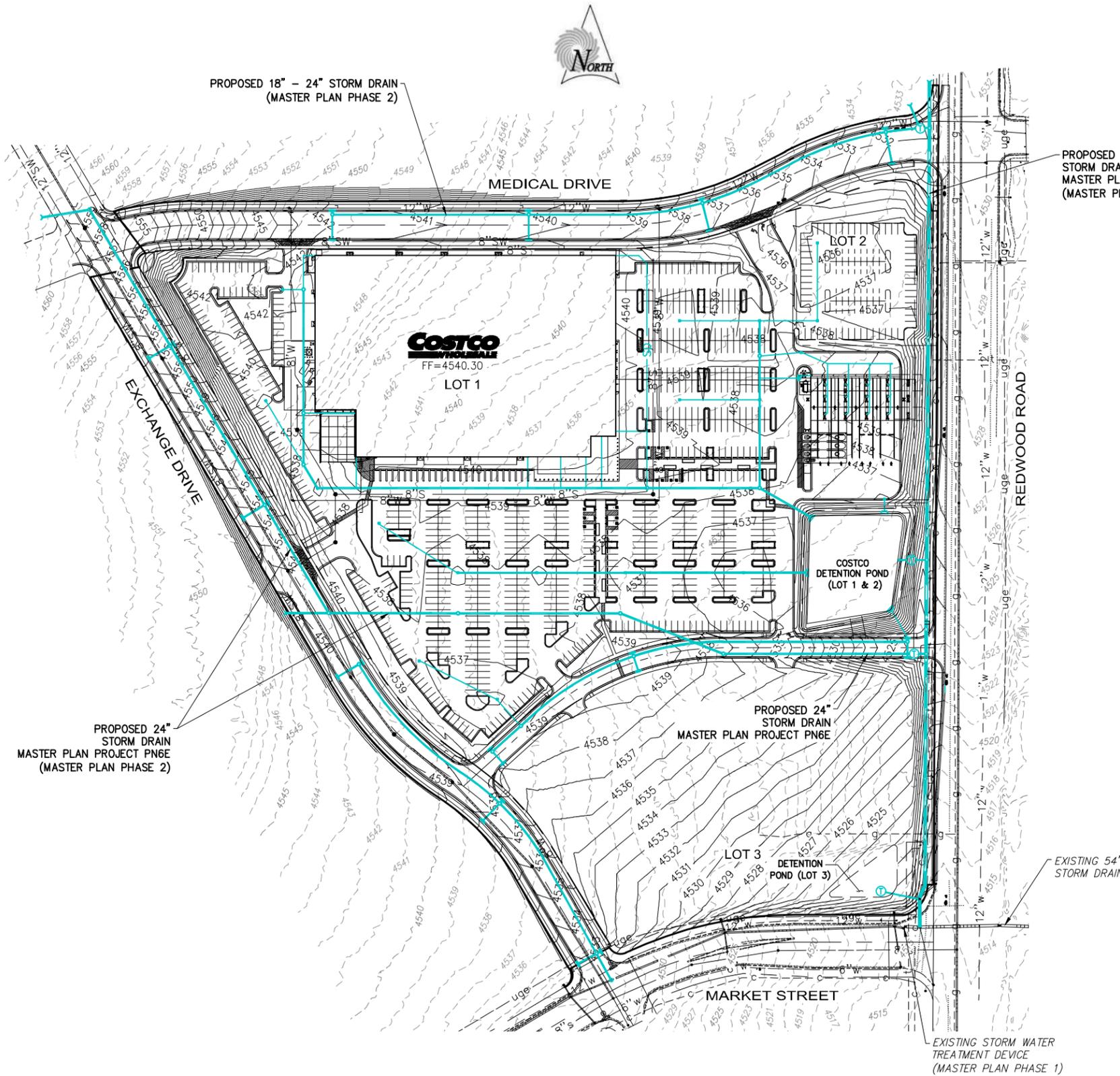
Fire Lane Notes:

- 1. Minimum fire lane width shall be 20 feet.
- 2. Fire lane width shall be 26 feet at hydrants.
- 3. Fire lane shall be asphalt or concrete, capable of supporting the imposed load of fire apparatus weighing at least 75,000 pounds.
- 4. Maximum slope for fire lane shall be 10%.

Legend

-  Fire Lane Limits
-  Typical Turning Radius
- 





GRADING LEGEND

- 4550 -- EXISTING CONTOUR
- 4550 — PROPOSED CONTOUR
-  PROPOSED STORM DRAIN PIPE & STRUCTURE
-  PROPOSED STORM WATER TREATMENT DEVICE

GRADING AND DRAINAGE NOTES:

STORM DRAINAGE FOR THIS LOTS OF THE VILLAGE PLAN WILL BE PER CURRENT SARATOGA SPRINGS CITY REQUIREMENTS. DETENTION SHALL BE PROVIDED IN AN ABOVE GROUND POND/BASIN.

STORM WATER TREATMENT SYSTEMS SHALL BE CONSTRUCTED AT ALL NEW POINTS OF CONNECTION TO THE CITY'S STORM DRAIN SYSTEM AND PRIOR TO ANY DISCHARGE TO A DRAINAGE RIVER OR LAKE. TREATMENT SYSTEMS SHALL MEET THE FOLLOWING CRITERIA:

- a. TREATMENT SYSTEM SHALL BE DESIGNED TO TREAT ALL OF THE FLOW FROM DEVELOPED AREAS WITH NO BYPASS INTO THE CITY STORM WATER SYSTEM OF THE TREATMENT DESIGN STORM PARAMETERS.
- b. SYSTEM SHALL BE DESIGNED TO REMOVED ALL OF THE OILS AND FLOATABLES FROM THE STORM WATER AND 80% IF THE TOTAL SUSPENDED SOLIDS (TSS) 110 MICRONS OR LARGER.
- c. SYSTEMS SHALL BE SIZED TO TREAT 100% OF THE FIRST FLUSH (2-YEAR STORM EVENT) AND TO PASS THE 100 YEAR PEAK FLOW WITH NO WASHOUT.

DETENTION SYSTEMS:

- a. THE CAPACITY OF ALL DETENTION SYSTEMS SHALL BE SUFFICIENT TO CONTAIN THE ANTICIPATED RUNOFF VOLUME FROM A 100-YEAR 24-YEAR STORM EVENT OVER THOSE PORTIONS OF THE GROSS AGGREGATE AREA UNDER DESIGN; WITH A MAXIMUM RELEASE OF 0.12 CFS/ACRE.
- b. SYSTEMS SHALL BE CONSTRUCTED AS DESCRIBED AND AS SHOWN IN THE CITY'S STANDARDS.
- c. LOW FLOWS, WHERE APPLICABLE, SHALL BE PIPED THROUGH THE DETENTION SYSTEM.
- d. DETENTION SYSTEM CAPACITY MAY NOT BE REDUCED FOR INFILTRATION OR EVAPORATION RATES.
- e. RETENTION SYSTEMS ARE NOT PERMITTED. ALL SYSTEMS MUST HAVE BOTH AN OUTFALL AND OVERFLOW SYSTEM.
- f. PONDS ARE TO BE LANDSCAPED PER CITY'S STANDARDS
- g. PROVIDE ACCESS ROADS TO ALL INLET/OUTLET STRUCTURES.
- h. ALL PONDS SHALL HAVE A MINIMUM OF 1' OF FREE BOARD ABOVE THE 100-YEAR HIGH WATER ELEVATION.
- i. MAXIMUM INTERIOR AND EXTERIOR SLOPES SHALL BE 3:1.
- j. DETENTION AREAS MAY NOT BE LOCATED WITHIN RESIDENTIAL LOTS.
- k. DETENTION AREAS SHALL BE A MINIMUM OF 10' FROM PROPERTY LINES.
- l. UNDERGROUND SYSTEMS SHALL HAVE IMPERMEABLE LINERS AND SHALL NOT BE PERMITTED TO INFILTRATE.



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Waterways

There are no existing waterways within the boundaries of the site.

Fault Lines and geological Information

The site is in an area known to have fine grained soils susceptible to frost heave, wetting-induced collapse and expansive soils. Specific recommendations are made to address these conditions in the geotechnical report.

Liquefaction is not considered a hazard at the site given the depth to ground water, soil type and consistency of soils encountered at the site.

The subsurface soils correspond with site class D.

There are no mapped active faults extending through the site. The closest mapped active fault to the site is the Cedar Valley Tear Fault located approximately 3.5 miles northwest.

General Soil Data

A geotechnical investigation was performed by Kleinfelder. The report indicates that if the recommendations in the report are followed the project is geotechnically feasible. The site consists of three soil layers: topsoil/tillage soils, lean clay and silt, and silty sand with gravel. Groundwater was not encountered within 25 feet of the surface.

Slopes

The site currently slopes from the west to east at approximately 2%. No slopes exist on the site that are greater than 30%.

Wetlands

There are no existing wetlands within the project boundaries.

Historical Sites

There are no historical sites within the project boundaries.

Findings for Village Plan per Section 19.26

- a. This Village Plan as presented is consistent with the adopted Community Plan. This Village Plan is situated on the corner of Pioneer Crossing and Market Street with views and access from both streets. Taking the vocabulary of the Community Plan we have carried through the Village Plan the critical design elements.
- b. This Village Plan anticipates a maximum square footage of 375,478 square feet at full build out.
- c. The Equivalent Residential Units of 173.4 units is consistent with the Community Plan. This Village Plan does not Exceed the total number of equivalent residential units dictated in the adopted Community Plan and does not anticipate a need for a transfer of density per the provisions of the Community Plan. Consistent with finding b above, the realization of all of the allowable residential units will be absorbed over time as the project matures and Floor Area Ratio expands.
- d. This Village Plan is consistent with the utility, infrastructure, and circulation plans of the Community Plan; includes adequately sized utilities, services, and roadway networks to meet demands; and mitigates the fair-share of off-site impacts. Also, future capacity for Secondary Water Lines and future phases are addressed.
- e. This Village Plan properly integrates utility, infrastructure, open spaces, pedestrian and bicycle systems, and amenities with adjacent properties; and contains the required elements as dictated in Section 19.26; and meets the minimum required open space of 11% in the adopted Community Plan, and adopted District Area Plan.

Endangered Plants

The site is currently being farmed. There are no endangered plants within the project boundaries.

Wildlife

The site is currently being farmed. There is no wildlife within the project boundaries.