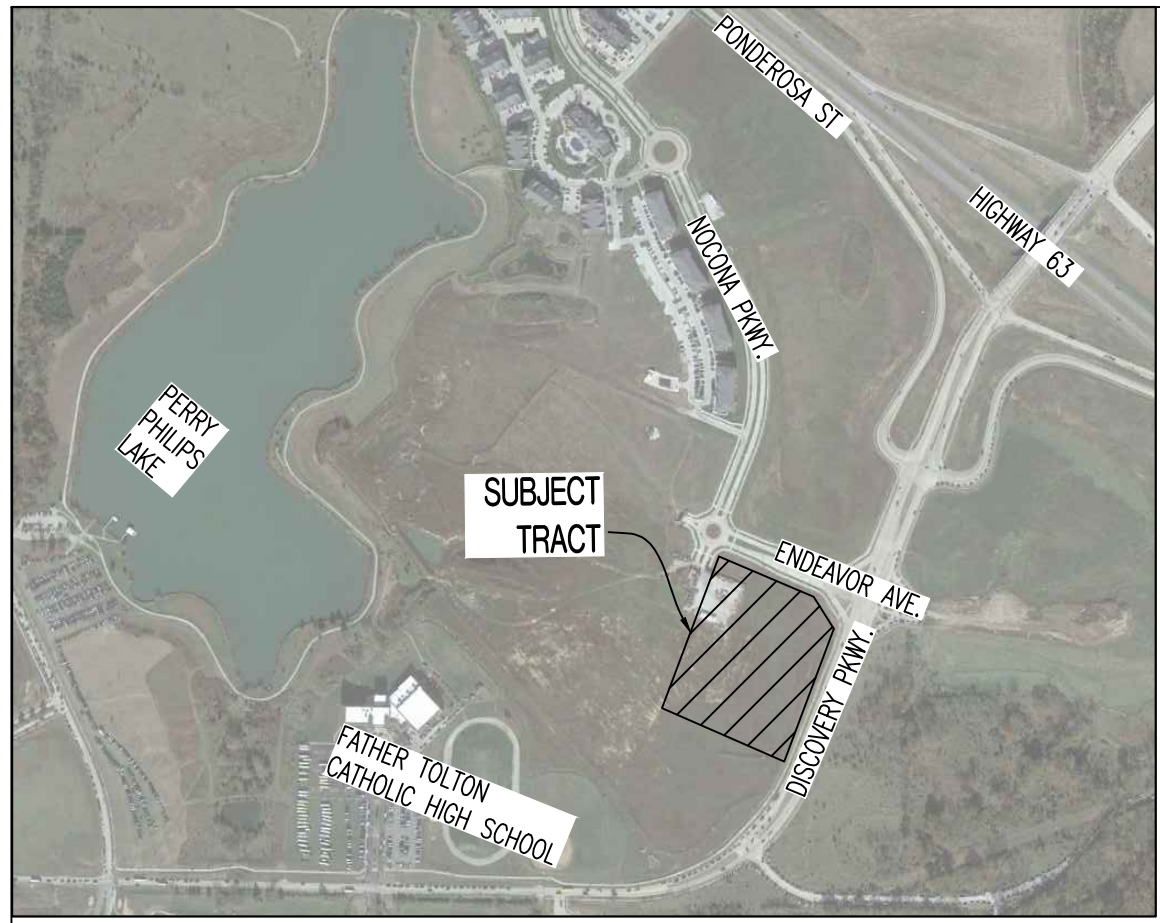
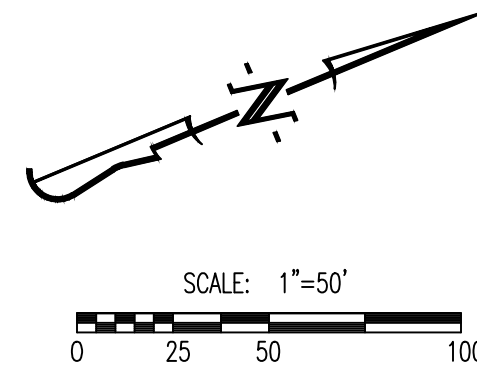


PD PLANNED DEVELOPMENT OF THE KITCHEN & DISCOVERY OFFICES

LOCATED IN SECTION 33, TOWNSHIP 48 NORTH, RANGE 12 WEST
COLUMBIA, BOONE COUNTY, MISSOURI
CITY OF COLUMBIA CASE NO. 06-2022

OWNER/DEVELOPER:
P1316 LLC
4220 PHILIPS FARM RD.
COLUMBIA, MO 65201



LOCATION MAP
NOT TO SCALE

BASIS OF BEARING:

BEARINGS ARE REFERENCED TO GRID NORTH, OF THE MISSOURI STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE), OBTAINED FROM GPS OBSERVATION.

LEGAL DESCRIPTION:

A TRACT OF LAND LOCATED IN THE SOUTHEAST QUARTER OF SECTION 32 AND THE SOUTHWEST QUARTER OF SECTION 33, ALL IN TOWNSHIP 48 NORTH, RANGE 12 WEST, COLUMBIA, BOONE COUNTY, MISSOURI AND BEING PART OF THE LAND DESCRIBED IN THE WARRANTY DEED RECORDED IN BOOK 3790, PAGE 48 AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE EASTERMOST CORNER OF ARTEMIS DRIVE AS SHOWN IN DISCOVERY PARK SUBDIVISION PLAT 6, RECORDED IN PLAT BOOK 55, PAGE 44 AND WITH THE LINES OF SAID ARTEMIS DRIVE N 40°53'20"W, 439.14 FEET; THENCE 40.99 FEET ALONG A 40.00-FOOT RADIUS CURVE TO THE RIGHT, SAID CURVE HAVING A CHORD N 11°32'05"W 39.22 FEET; THENCE 64.32 FEET ALONG AN 80.00-FOOT RADIUS CURVE TO THE LEFT, SAID CURVE HAVING A CHORD N 51°25'00"E, 62.60 FEET; THENCE 35.71 FEET ALONG A 40.00-FOOT RADIUS CURVE TO THE RIGHT, SAID CURVE HAVING A CHORD N 2°40'25"W, 34.53 FEET TO THE EASTERLY RIGHT OF WAY OF NAONA PARKWAY; THENCE WITH SAID EASTERLY RIGHT OF WAY LINES N 22°53'55"E, 592.92 FEET; THENCE 30.05 FEET ALONG A 35.50-FOOT RADIUS CURVE TO THE RIGHT, SAID CURVE HAVING A CHORD N 47°09'05"W, 29.16 FEET; THENCE 6.40 FEET ALONG AN 86.00-FOOT RADIUS CURVE TO THE LEFT, SAID CURVE HAVING A CHORD N 69°16'15"E, 6.40 FEET; THENCE 24.75 FEET ALONG A 31.00-FOOT RADIUS CURVE TO THE RIGHT, SAID CURVE HAVING A CHORD S 89°59'25"E, 51.92 FEET; THENCE TO THE SOUTHERLY RIGHT OF WAY LINE OF ENDEAVOR AVENUE; THENCE WITH SAID SOUTHERLY RIGHT AWAY LINE S 67°07'05"E, 95.51 FEET; THENCE 48.64 FEET ALONG A 481.50-FOOT RADIUS CURVE TO THE RIGHT, SAID CURVE HAVING A CHORD S 64°13'30"E, 48.62 FEET; THENCE S 61°19'50"E, 61.80 FEET; THENCE 51.94 FEET ALONG A 518.50-FOOT RADIUS CURVE TO THE LEFT, SAID CURVE HAVING A CHORD S 64°12'00"E, 51.92 FEET; THENCE S 67°04'15"E, 33.79 FEET; THENCE S 66°57'45"E, 50.01 FEET; THENCE S 67°06'20"E, 45.91 FEET; THENCE 35.42 FEET ALONG A 58.00-FOOT RADIUS CURVE TO THE RIGHT, SAID CURVE HAVING A CHORD S 49°36'05"E, 34.88 FEET; THENCE S 32°06'30"E, 94.29 FEET; THENCE 46.79 FEET ALONG A 53.00-FOOT RADIUS CURVE TO THE RIGHT, SAID CURVE HAVING A CHORD S 6°48'45"E, 45.28 FEET TO THE NORTHERLY RIGHT OF WAY LINE OF DISCOVERY PARKWAY (FORMALLY GANS ROAD); THENCE WITH SAID NORTHERLY RIGHT OF WAY LINE S 18°28'25"W, 79.93 FEET; THENCE S 22°53'40"W, 469.94 FEET; THENCE 236.95 FEET ALONG IS 711.99 FEET RADIUS CURVE TO THE RIGHT, SAID CURVE HAVING A CHORD S 32°25'40"W, 235.86 FEET; THENCE 26.69 FEET ALONG A 29.00-FOOT RADIUS CURVE TO THE RIGHT, SAID CURVE HAVING A CHORD S 68°19'40"W, 25.76 FEET; THENCE 56.67 FEET ALONG A 111.00-FOOT RADIUS CURVE TO THE LEFT, SAID CURVE HAVING A CHORD S 80°03'55"W, 56.06 FEET TO THE POINT OF BEGINNING AND CONTAINING 10.64 ACRES.

LEGEND OF SYMBOLS:

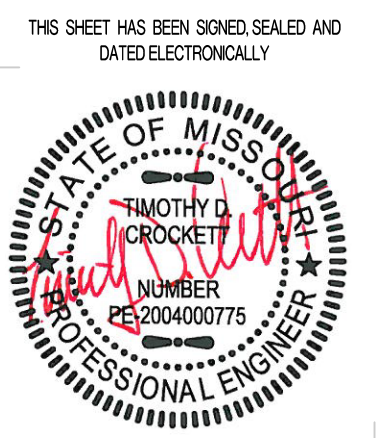
---	EXISTING CURB	---	EXISTING OVERHEAD ELEC., TV & TELE.	⊙	EXISTING FIRE HYDRANT
---	PROPOSED CURB	---	EXISTING SANITARY SEWER	⊙	MANHOLE
---	EXISTING STRUCTURE	---	PROPOSED SANITARY SEWER	---	EXISTING SANITARY SEWER LATERAL
---	EDGE OF WATERWAY	---	EXISTING WATERLINE	---	PROPOSED SANITARY SEWER LATERAL
---	EXISTING WATERLINE	---	PROPOSED WATERLINE	---	EXISTING FIRE HYDRANT
---	PROPOSED WATERLINE	---	EXISTING GAS LINE	---	EXISTING SANITARY SEWER LATERAL
---	EXISTING UNDERGROUND TELEPHONE	---	PROPOSED GAS LINE	---	EXISTING AIR CONDITIONER
---	EXISTING UNDERGROUND CABLE TELEVISION	---	EXISTING UNDERGROUND TELEPHONE	---	EXISTING TELEPHONE PEDESTAL
---	EXISTING OVERHEAD ELECTRIC	---	EXISTING UNDERGROUND CABLE TELEVISION	---	EXISTING LIGHT POLE
---	EXISTING UNDERGROUND ELECTRIC	---	EXISTING OVERHEAD ELECTRIC	---	EXISTING GUY WIRE
---	EXISTING OVERHEAD ELEC. & TV	---	EXISTING UNDERGROUND ELECTRIC	---	EXISTING MINOR CONTOUR
---	FUTURE PARKING	---	EXISTING WATER VALVE	---	EXISTING MAJOR CONTOUR
---		---	EXISTING GAS VALVE	---	PROPOSED PAVEMENT
---		---	EXISTING WATER VALVE	---	EXISTING TREE
---		---	EXISTING GAS METER	---	EXISTING TREELINE
---		---	EXISTING WATER METER	---	
---		---	DUMPSTER PAD	---	

NOTES:

- THIS SITE CONTAINS 10.64 ACRES.
- CURRENT ZONING IS PD.
- THIS TRACT IS LOCATED IN ZONE-X AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS SHOWN BY THE FEMA FIRM PANEL NO 29019C0295 DATED APRIL 19TH, 2017.
- ALL LIGHTING SHALL BE IN ACCORDANCE WITH THE CITY OF COLUMBIA LIGHTING ORDINANCE. LIGHT POLES SHALL NOT EXCEED 28' IN HEIGHT. EXACT LOCATION SUBJECT TO FURTHER DESIGN. ALL LIGHTING SHALL BE SHIELDED AND DIRECTED INWARD AND DOWNWARD AWAY FROM RESIDENCES, NEIGHBORING PROPERTIES, PUBLIC STREETS, AND OTHER PUBLIC AREAS. NO WALL PACKS ARE ALLOWED ON THE BUILDING, HOWEVER DECORATIVE WALL SCONCES THAT DIRECT LIGHT ONLY UPWARD AND DOWNWARD ON THE BUILDING ARE ALLOWED AS AN EXTERIOR SOFFIT LIGHTING.
- NO PART OF THIS TRACT IS LOCATED WITHIN CITY STREAM BUFFER AS DETERMINED BY THE USGS MAP FOR COLUMBIA QUADRANGLE, BOONE COUNTY, MISSOURI AND ARTICLE X OF CHAPTER 12A OF THE CITY OF COLUMBIA CODE OF ORDINANCES.
- THE MAXIMUM HEIGHT OF ANY BUILDING SHALL BE AS FOLLOWS:
OFFICE: 90 FEET
COMMERCIAL: 65 FEET
- ALL DRIVE, ROADWAY, AND ACCESS AISLES ARE SUBJECT TO FIRE DEPARTMENT APPROVAL AT THE TIME OF FINAL DESIGN.
- WATER & ELECTRIC DISTRIBUTION TO BE DESIGNED BY THE CITY OF COLUMBIA WATER & LIGHT DEPARTMENT. WATERLINES SHOWN ON THIS PLAN ARE SUBJECT TO CHANGE BASED ON FINAL DESIGN.
- THE BUILDINGS SHOWN ON THIS PLAN MAY BE CONSTRUCTED IN SEPARATE PHASES AS LONG AS ADEQUATE PARKING AND OTHER SITE REQUIREMENTS ARE PROVIDED FOR THE BUILDING BEING CONSTRUCTED AT THAT TIME.
- THIS PROJECT WILL TRIGGER THE REQUIREMENT TO COMPLETE INSTALLATION OF THE TRAFFIC SIGNAL AT DISCOVERY PARKWAY AND ENDEAVOR AVENUE. THE SIGNAL SHALL BE INSTALLED AND OPERATIONAL PRIOR TO THE ISSUANCE OF ANY OCCUPANCY CERTIFICATES FOR THIS PROPERTY.
- THERE SHALL BE A SHARED PARKING AGREEMENT ACROSS ALL BUILDINGS, LOTS, AND PARKING SPACES WITHIN THIS DEVELOPMENT. WHILE THE TRACT MAY BE ALLOWED TO BE SUBDIVIDED, EACH LOT DOES NOT HAVE TO CONTAIN ADEQUATE PARKING FOR SAID LOT AS LONG AS THE COMBINED NUMBER OF PARKING SPACES IS ADEQUATE FOR THE COMBINED DEVELOPMENT. THERE WILL BE A CROSS-ACCESS EASEMENT OVER THE ENTIRE PARKING LOT.
- FUTURE PARKING SHOWN TO BE INSTALLED AS NEEDED. ALL GREENSPACE CALCULATIONS ON THESE PLANS REFLECT AS IF THESE AREAS ARE PAVED. THESE AREAS SHALL NOT BE INCLUDED IN THE OVERALL IMPERVIOUS CALCULATIONS OF THE DISCOVERY DEVELOPMENT UNLESS THESE AREAS ARE PAVED.

CALCULATIONS:

PARKING SUMMARY:		
TOTAL SPACES REQUIRED:		
BUILDING 1 - GENERAL OFFICE/RETAIL - 1:300 - 16,000 SQ FT	54 SPACES	
1-BED RESIDENTIAL - 1.5 PER UNIT - 44 UNITS	66 SPACES	
+ 1 PER 5 UNITS	9 SPACES	
BUILDING 2 - GENERAL OFFICE/RETAIL - 1:300 - 10,500 SQ FT	35 SPACES	
BUILDING 3 - GENERAL OFFICE/RETAIL - 1:300 - 10,500 SQ FT	35 SPACES	
BUILDING 4 - GENERAL OFFICE/RETAIL - 1:300 - 6,800 SQ FT	23 SPACES	
BUILDING 5 - GENERAL OFFICE/RETAIL - 1:300 - 10,500 SQ FT	35 SPACES	
BUILDING 6 - GENERAL OFFICE/RETAIL - 1:300 - 10,500 SQ FT	35 SPACES	
THE KITCHEN		
RESTAURANT - 1 SPACE PER 150 SQ FT	14,700 SQ FT = 98 SPACES	
INDOOR RECREATION - 1 SPACE PER 400 SQ FT	25,000 SQ FT = 63 SPACES	
OUTDOOR RECREATION - 1 SP. PER 5000 SQ FT LAND AREA	53,000 SQ FT = 11 SPACES	
STORAGE - 1 SPACE PER 2000 SQ FT	1,400 SQ FT = 1 SPACES	
SPACES REQUIRED:	465 SPACES	
REDUCTIONS:		
SEC. 29-4.3 - PARKING AND LOADING: SECTION k-(1); ii	441 SPACES	
FOR PARKING LOTS REQUIRED BY OTHER PROVISIONS OF THIS CHAPTER TO HAVE MORE THAN TWENTY-FIVE (25) VEHICLE PARKING SPACES, THE REQUIRED NUMBER OF VEHICLE PARKING SPACES MAY BE REDUCED BY 1 SPACE FOR EACH REQUIRED BICYCLE SPACE	38 SPACES	
465 SPACES - 24 SPACES = 441 SPACES REQUIRED AFTER THE REDUCTION	479 SPACES	
PARKING SPACES REQUIRED (AFTER REDUCTION):	441 SPACES	
PARKING SPACES PROVIDED:	441 SPACES	
FUTURE PARKING SPACES SHOWN:	38 SPACES	
TOTAL PARKING SPACES SHOWN:	479 SPACES	
BICYCLE SPACES REQUIRED: 5% OF PARKING SPACES	24 SPACES	
BICYCLE SPACES PROVIDED:	30 SPACES	



TIMOTHY D. CROCKETT, 200400775

11/04/2021

DATE

PREPARED BY:



1000 West Nittong Blvd. Bldg. 1
Columbia, Missouri 65203
(573) 447-0292

www.crockettengineering.com

REVISED 11/11/2021

ORIGINAL 10/11/2021

CROCKETT JOB #210249

APPROVED BY THE CITY COUNCIL OF THE CITY OF COLUMBIA, MISSOURI

PURSUANT TO ORDINANCE # _____

THIS _____ DAY OF _____, 20____

APPROVED BY THE CITY OF COLUMBIA PLANNING AND ZONING COMMISSION

THIS _____ DAY OF _____, 20____

SARA LOE, CHAIRPERSON

ATTEST: SHEELA AMIN, CITY CLERK

BRIAN TREECE, MAYOR

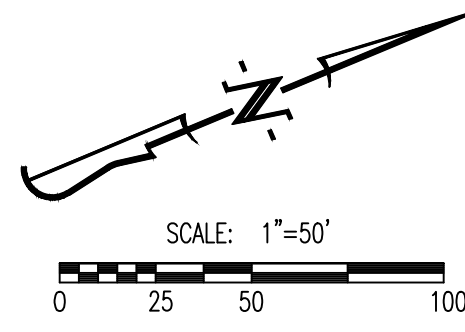
STORMWATER NOTES:

STORMWATER QUALITY STANDARDS SHALL BE MET BY USING CITY OF COLUMBIA APPROVED BMP(S) (BEST MANAGEMENT PRACTICE). PROPOSED ON-SITE STORMWATER BMP(S) WILL BE SIZED AT THE TIME OF FINAL DESIGN.

STORMWATER DETENTION WILL BE INSTALLED USING UNDERGROUND STORAGE CHAMBERS. FINAL DETENTION SIZING WILL BE COMPETED AT THE TIME OF FINAL DESIGN.

CONCEPTUAL LANDSCAPING PLAN FOR THE PD PLANNED DEVELOPMENT OF THE KITCHEN & DISCOVERY OFFICES

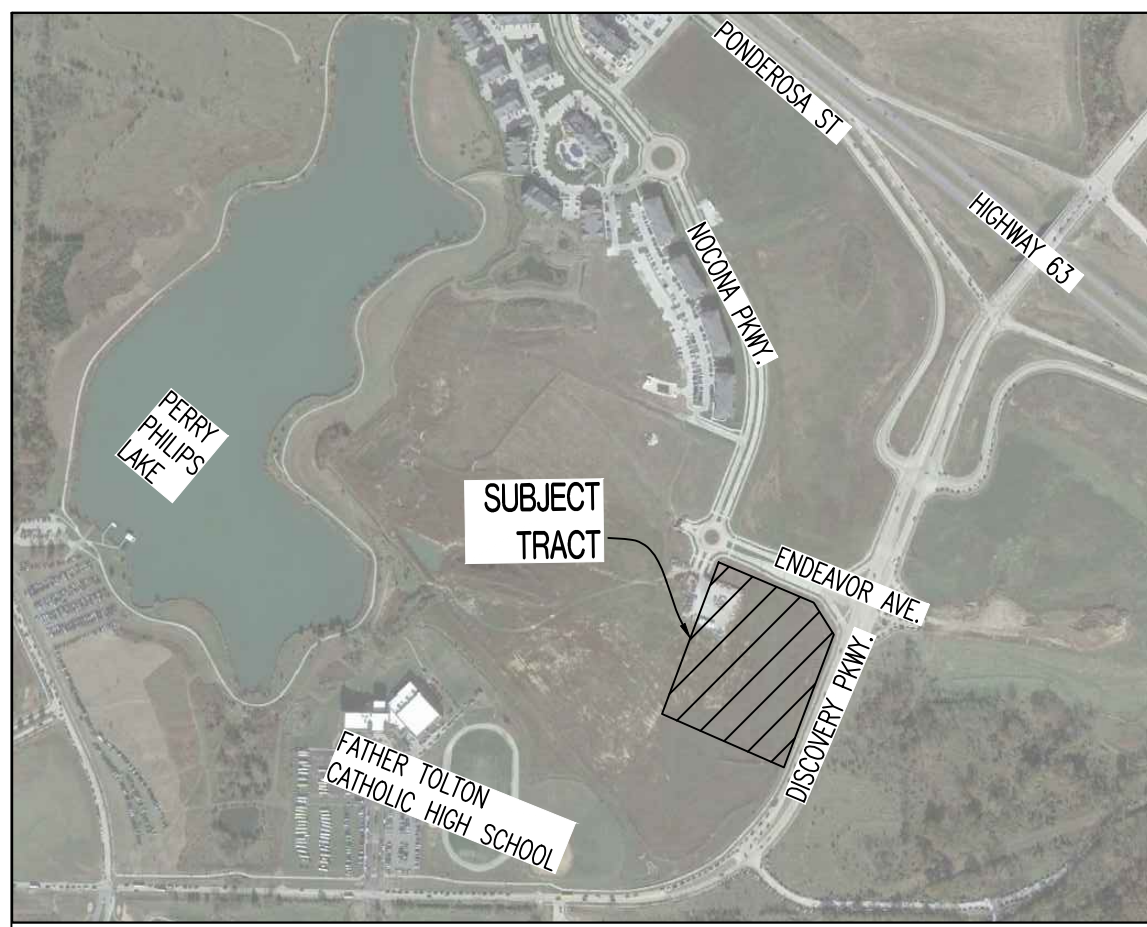
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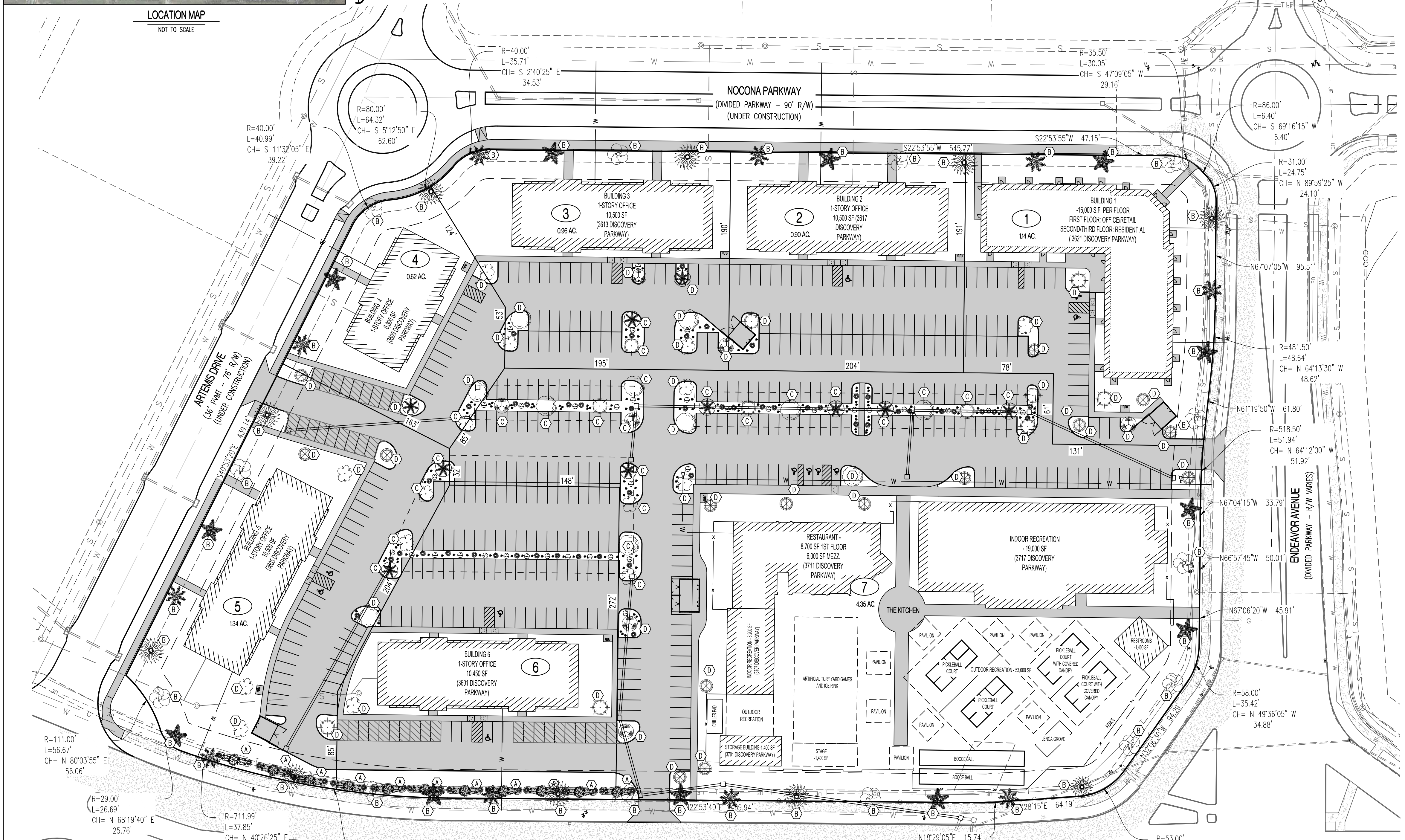
CALCULATIONS:		
LAND AREA:		
TOTAL LAND AREA:		10.64 AC
LOT COVERAGES:		
TOTAL IMPERVIOUS SURFACE AREA:	7.70 AC.	72%
TOTAL OPEN SPACE:	2.94 AC.	28%

GENERAL LANDSCAPING NOTES:

THIS PLAN IS FOR GENERAL CODE CONFORMANCE ONLY AND WILL BE FINALIZED FOR CONSTRUCTION AT THE TIME OF FINAL DESIGN.
ALL PLANT MATERIALS AND FINAL LANDSCAPE PLAN SHALL BE IN ACCORDANCE WITH THE LANDSCAPING GUIDELINES AND STANDARDS OF THE CITY OF COLUMBIA.
LANDSCAPING SHALL COMPLY WITH SECTION 29-4.4 OF THE CITY OF COLUMBIA CODE OF ORDINANCES.
LANDSCAPING CONTRACTOR SHALL COORDINATE UTILITY LOCATES AND IDENTIFY ALL UNDERGROUND UTILITIES WITHIN THE LIMITS OF THEIR WORK AREA BEFORE ANY EXCAVATION MAY BEGIN.
SHRUB BEDS & TREE RINGS SHALL BE MULCHED WITH 3" OF DYED BROWN HARDWOOD MULCH.
LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR A PERIOD OF TWELVE MONTHS.
ALL PLANT MATERIALS MUST MEET THE SPECIFICATIONS OF THE AMERICAN ASSOCIATION OF NURSERYMEN.
PLANTING SPECIES MAY BE SUBSTITUTED WITH CITY ARBORIST APPROVAL.



LOCATION MAP
NOT TO SCALE



LANDSCAPE COMPLIANCE:

29-4.4(c) - GENERAL PROVISIONS:		
EXISTING CLIMAX FOREST ON SITE:		0.00 AC.
REQUIRED 15% OF TOTAL SITE TO BE LANDSCAPED:		1.60 AC. (15%)
MINIMUM PROPOSED AREA OF TOTAL SITE TO BE LANDSCAPED:		2.77 AC. (26%)
29-4.4(d) - STREET FRONTAGE LANDSCAPING:		
(1) LENGTH OF PAVED AREA (OVER 40' IN LENGTH) WITHIN 25' OF R/W TO HAVE 6' WIDE LANDSCAPED BUFFER: (REFER TO TYPICAL SCREENING BED PLANTING DETAIL)	340 L.F.	340 L.F. * 6' = 2040 SF/200= 11 TREES
(2) 1 TREE PER 60' OF STREET FRONTAGE WITH RIGHT OF WAY GREATER THAN 50 FEET: (2,668' APPLICABLE STREET FRONTAGE)		45 TREES
29-4.4(e) - PROPERTY EDGE BUFFERING:		
N/A		
29-4.4(f) - PARKING AREA LANDSCAPING:		
(1) IF PARKING AREA CONTAINS MORE THAN 100 SPACES, PARKING SPACE AREA TO INCLUDE LANDSCAPING AREA EQUAL TO 10% OF PAVED AREA. PARKING AREAS BETWEEN 100 AND 149 SPACES SHALL BE SEPARATED BY 10' WIDE LANDSCAPE STRIP WITH 4 CATEGORIES OF PLANTING MATERIALS FROM SECTION 29-4.4(c)(6)	17,307 SF REQUIRED	18,728 SF PROPOSED=10.8% 29-4.4(c)(6)
(2) 1 TREE PER 40' L.F. OF LANDSCAPED AREA - 1018 L.F.		26 TREES
(4) 1 TREE PER 4,000 S.F. OF PARKING PAVED AREA - 173,070 S.F.	44 TREES	0 TREES
0 EXISTING PARKING LOT TREES		44 TREES
PARKING LOT TREES REQUIRED		44 TREES
PARKING LOT TREES PROPOSED		44 TREES
(5) MIN. 30% TOTAL TREES TO BE MEDIUM SHADE TREES		13 TREES
MIN. 40% TOTAL TREES TO BE LARGE SHADE TREES		18 TREES
29-4.4(g) - PRESERVATION OF EXISTING LANDSCAPING:		
TOTAL SIGNIFICANT TREES (OUTSIDE OF PRESERVED AREAS):		0 TREES
(3)(i) MINIMUM OF 25% OF TOTAL SIGNIFICANT TREES TO BE PRESERVED (0 TREE)		

PARKING AREA LANDSCAPING PLANTING:

SYMBOL	QUANTITY	COMMON NAME	BOTANICAL NAME	PLANT TYPE	SIZE
(C)	10	HEDGE MAPLE	ACER CAMPESTRE	MEDIUM TREE	2.5" CALIPER
(C)	7	GOLDENRANTEE	KOELREUTERIA PANICULATA	MEDIUM TREE	2.5" CALIPER
(C, D)	13	RED OAK	QUERCUS RUBRA	LARGE TREE	2.5" CALIPER
(C, D)	11	SUGAR MAPLE	ACER SACCHARUM "GREEN MOUNTAIN"	LARGE TREE	2.5" CALIPER
(C, D)	15	REDBUD	CERCIS CANADENSIS	SMALL TREE	2.5" CALIPER
(D)	15	JAPANESE TREE LILAC	SYRINGA RETICULATA	ORNAMENTAL TREE	2.5" CALIPER

STREET FRONTAGE (STREET TREES) PLANTING TABLE:

SYMBOL	QUANTITY	COMMON NAME	BOTANICAL NAME	PLANT TYPE	SIZE
(B)	10	SWAMP WHITE OAK	QUERCUS BICOLOR	LARGE TREE	2.5" CALIPER
(B)	10	SWEETGUM	LIQUIDAMBAR STYRACIFLUA	LARGE TREE	2.5" CALIPER
(B)	12	RIVER BIRCH	BETULA NIGRA "HERITAGE"	MEDIUM TREE	2.5" CALIPER
(B)	14	IMPERIAL HONEYLOCUST	GLEDITSIA TRIACANTHOS	MEDIUM TREE	2.5" CALIPER

TYPICAL STREET FRONTAGE SCREENING PLANTING TABLE:

SYMBOL	QUANTITY	COMMON NAME	BOTANICAL NAME	PLANT TYPE	SIZE
(A)	12	CRABAPPLE	MALUS SP.	SMALL TREE	2" CALIPER
(A)	246	FEATHER REED GRASS	CALAMAGROSTIS ARUNDINACEA "KARL FORESTER"	ORNAMENTAL GRASS	5 GALLON
(A)	72	PEE GEE HYDRANGEA	HYDRANGEA PANICULATA "GRANDIFLORA"	LARGE DECIDUOUS SHRUB	5 GALLON
(A)	58	DRIFT ROSE	ROSA MEIGALPIDO	PERENNIAL	5 GALLON

TYPICAL SCREENING BED PLANTING DETAIL:

MULCH BED (TYP.)

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY



TIMOTHY D. CROCKETT, 2004000775

11/04/2021
DATE

PREPARED BY:
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ENGINEERING CONSULTANTS

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www.crockettengineering.com REVISED 11/11/2021
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