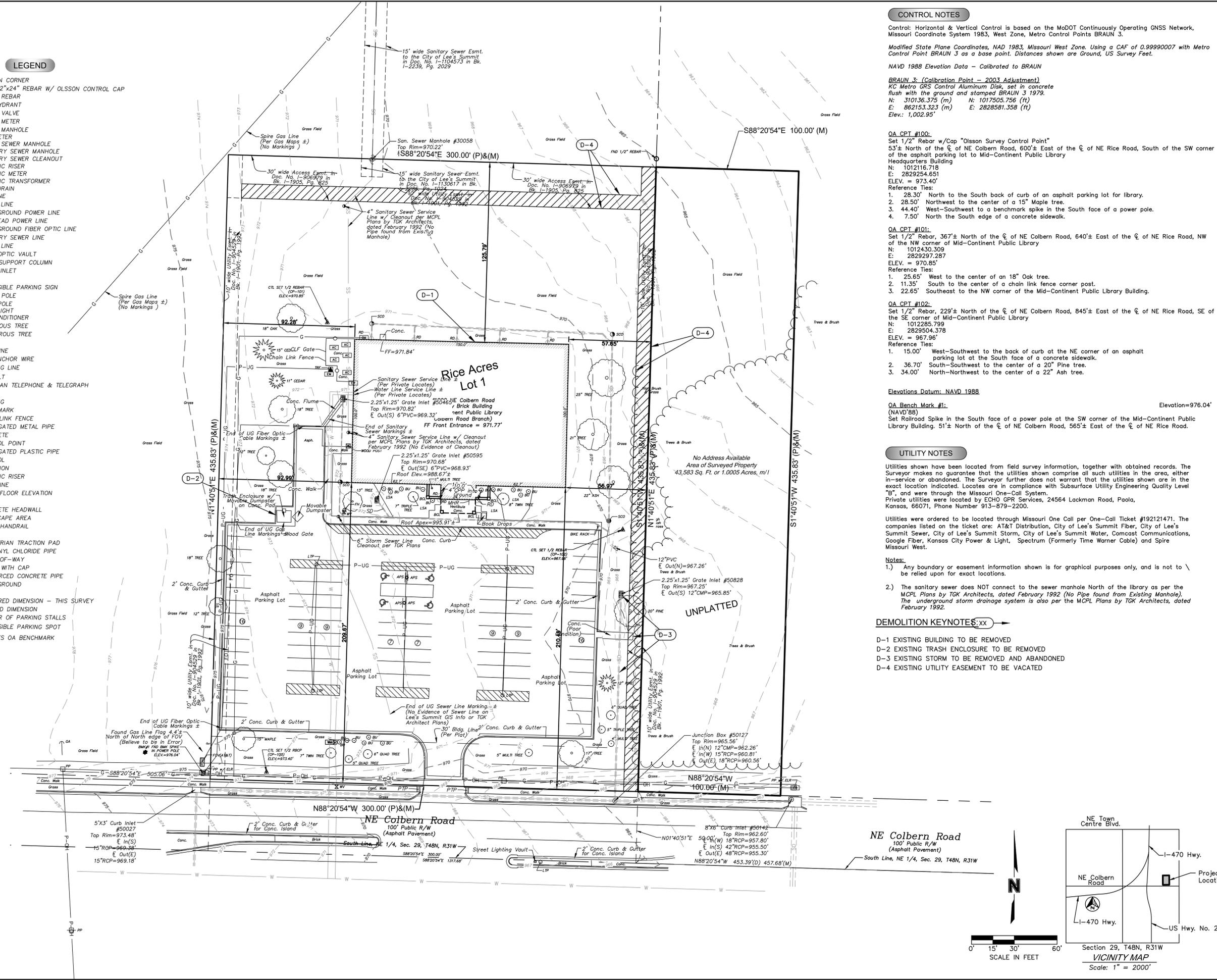


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 DATE: Dec 10, 2019 8:57am  
 USER: bkimmitch  
 V\_XTOP\_80330-Coburn-Road  
 L\_PBASE\_0180330  
 A\_PBASE\_0180330  
 C\_PBASE\_0180330  
 XREFS: C:\TBLK\_0180330

LEGEND	
	SECTION CORNER
	SET 1/2"x24" REBAR W/ OLSSON CONTROL CAP
	FOUND REBAR
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	WATER MANHOLE
	GAS METER
	STORM SEWER MANHOLE
	SANITARY SEWER MANHOLE
	SANITARY SEWER CLEANOUT
	ELECTRIC RISER
	ELECTRIC METER
	ELECTRIC TRANSFORMER
	ROOF DRAIN
	GAS LINE
	WATER LINE
	UNDERGROUND POWER LINE
	OVERHEAD POWER LINE
	UNDERGROUND FIBER OPTIC LINE
	SANITARY SEWER LINE
	STORM LINE
	FIBER OPTIC VAULT
	BRICK SUPPORT COLUMN
	GRATE INLET
	SIGN
	ACCESSIBLE PARKING SIGN
	POWER POLE
	LIGHT POLE
	YARD LIGHT
	AIR CONDITIONER
	DECIDUOUS TREE
	CONIFEROUS TREE
	BUSH
	TREE LINE
	GUY ANCHOR WIRE
	BUILDING LINE
	ASPH.
	AT&T
	BOOK
	BLDG.
	BMK
	CHAIN LINK FENCE
	CORRUGATED METAL PIPE
	CONC.
	CP
	CORRUGATED PLASTIC PIPE
	CTL
	ELEV.
	ELR
	FLOW LINE
	FF
	FOUND
	CONC. HEADWALL
	LANDSCAPE AREA
	MHR
	PAGE
	PEDESTRIAN TRACTION PAD
	POLYVINYL CHLORIDE PIPE
	R/W
	REBAR WITH CAP
	REINFORCED CONCRETE PIPE
	UG
	W/
	(M)
	(P)
	(#)
	(AP)
	(*)



**CONTROL NOTES**

Control: Horizontal & Vertical Control is based on the MoDOT Continuously Operating GNSS Network, Missouri Coordinate System 1983, West Zone, Metro Control Points BRAUN 3.

Modified State Plane Coordinates, NAD 1983, Missouri West Zone. Using a CAF of 0.99990007 with Metro Control Point BRAUN 3 as a base point. Distances shown are Ground, US Survey Feet.

NAVD 1988 Elevation Data - Calibrated to BRAUN

**BRAUN 3 (Calibration Point - 2003 Adjustments)**  
 KC Metro GRS Control Aluminum Disk, set in concrete flush with the ground and stamped BRAUN 3 1979.  
 N: 310136.375 (m) N: 1017505.756 (ft)  
 E: 862153.323 (m) E: 2828581.358 (ft)  
 Elev.: 1,002.95'

**QA CPT #100:**  
 Set 1/2" Rebar w/Cap "Olsson Survey Control Point"  
 53'± North of the CL of NE Colbern Road, 600'± East of the CL of NE Rice Road, South of the SW corner of the asphalt parking lot to Mid-Continent Public Library Headquarters Building  
 N: 1012115.718  
 E: 2829254.651  
 ELEV. = 973.40'  
 Reference Ties:  
 1. 28.30' North to the South back of curb of an asphalt parking lot for library.  
 2. 28.50' Northwest to the center of a 15" Maple tree.  
 3. 44.40' West-Southwest to a benchmark spike in the South face of a power pole.  
 4. 7.50' North the South edge of a concrete sidewalk.

**QA CPT #101:**  
 Set 1/2" Rebar, 367'± North of the CL of NE Colbern Road, 640'± East of the CL of NE Rice Road, NW of the NW corner of Mid-Continent Public Library  
 N: 1012450.309  
 E: 2829297.287  
 ELEV. = 970.85'  
 Reference Ties:  
 1. 25.65' West to the center of an 18" Oak tree.  
 2. 11.35' South to the center of a chain link fence corner post.  
 3. 22.65' Southeast to the NW corner of the Mid-Continent Public Library Building.

**QA CPT #102:**  
 Set 1/2" Rebar, 229'± North of the CL of NE Colbern Road, 845'± East of the CL of NE Rice Road, SE of the SE corner of Mid-Continent Public Library  
 N: 1012285.799  
 E: 2829504.378  
 ELEV. = 967.96'  
 Reference Ties:  
 1. 15.00' West-Southwest to the back of curb at the NE corner of an asphalt parking lot at the South face of a concrete sidewalk.  
 2. 36.70' South-Southwest to the center of a 20" Pine tree.  
 3. 34.00' North-Northwest to the center of a 22" Ash tree.

**Elevations Datum: NAVD 1988**

**QA Bench Mark #1:** Elevation=976.04'  
 (NAVD'88)  
 Set Railroad Spike in the South face of a power pole at the SW corner of the Mid-Continent Public Library Building. 51'± North of the CL of NE Colbern Road, 565'± East of the CL of NE Rice Road.

**UTILITY NOTES**

Utilities shown have been located from field survey information, together with obtained records. The Surveyor makes no guarantee that the utilities shown comprise all such utilities in the area, either in-service or abandoned. The Surveyor further does not warrant that the utilities shown are in the exact location indicated. Locates are in compliance with Subsurface Utility Engineering Quality Level "B", and were through the Missouri One-Call System.  
 Private utilities were located by ECHO GPR Services, 24564 Lackman Road, Paola, Kansas, 66071, Phone Number 913-879-2200.

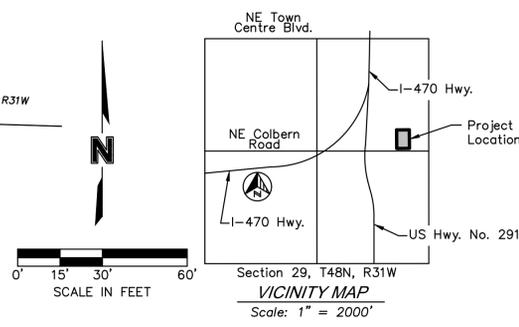
Utilities were ordered to be located through Missouri One Call per One-Call Ticket #192121471. The companies listed on the ticket are: AT&T Distribution, City of Lee's Summit Fiber, City of Lee's Summit Storm, City of Lee's Summit Water, Comcast Communications, Google Fiber, Kansas City Power & Light, Spectrum (Formerly Time Warner Cable) and Spire Missouri West.

**Notes:**

- Any boundary or easement information shown is for graphical purposes only, and is not to be relied upon for exact locations.
- The sanitary sewer does NOT connect to the sewer manhole North of the library as per the MCPL Plans by T&K Architects, dated February 1992 (No Pipe found from Existing Manhole). The underground storm drainage system is also per the MCPL Plans by T&K Architects, dated February 1992.

**DEMOLITION KEYNOTES: xx**

D-1 EXISTING BUILDING TO BE REMOVED  
 D-2 EXISTING TRASH ENCLOSURE TO BE REMOVED  
 D-3 EXISTING STORM TO BE REMOVED AND ABANDONED  
 D-4 EXISTING UTILITY EASEMENT TO BE VACATED



**SAPP DESIGN ARCHITECTS**

3750 S. Fremont Ave.  
 Springfield, MO 65804 417.877.9600

Sapp Design Associates Architects, P.C.  
 Missouri State Certificate of Authority #0020607

**helix**

1629 Walnut  
 Kansas City, MO 64108 816.300.0300

**SPECIAL NOTICES**

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Mid-Continent Public Library  
 PRELIMINARY DEVELOPMENT PLANS FOR  
**COLBERN ROAD BRANCH**  
 1000 N.E. COLBERN ROAD  
 LEE'S SUMMIT, MO 64086  
 JACKSON COUNTY

Engineer of Record  
 PRELIMINARY DEVELOPMENT PLAN  
 NOT FOR CONSTRUCTION  
 12.10.19

Terry M Parsons, Engineer MO PE-2018010505

**olsson**

7301 West 133rd Street, Suite 200  
 Overland Park, KS 66213  
 TEL 913.381.1170  
 FAX 913.381.1174  
 www.olssonassociates.com

Missouri State Certificate of Authority #01592

Revision No.	Description	Date

Project No.	Date	Drawn
B18-0330	09-18-18	KDP

Drawing No. **C1**  
**EXISTING CONDITIONS**

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Mid-Continent Public Library  
NEW BRANCH LIBRARY  
**COLBERN ROAD BRANCH**  
1000 NE COLBERN RD  
LEE'S SUMMIT, MO 64086  
JACKSON COUNTY

Engineer of Record

**PRELIMINARY:  
UNCERTIFIED FOR  
PRE-DEVELOPMENT  
PLAN REVIEW**

12/10/2019

JACOB A NELSON, PE MO PE-2009018758



3659 SOUTH AVENUE  
SPRINGFIELD, MO 65807  
417.708.7925  
WWW.TRUE-NEP.COM

True Engineering Group LLC

Missouri State Certificate of Authority #E-2016000752

Revision No. Description Date

Project No. WP10 Date 12/10/2019 Drawn JN

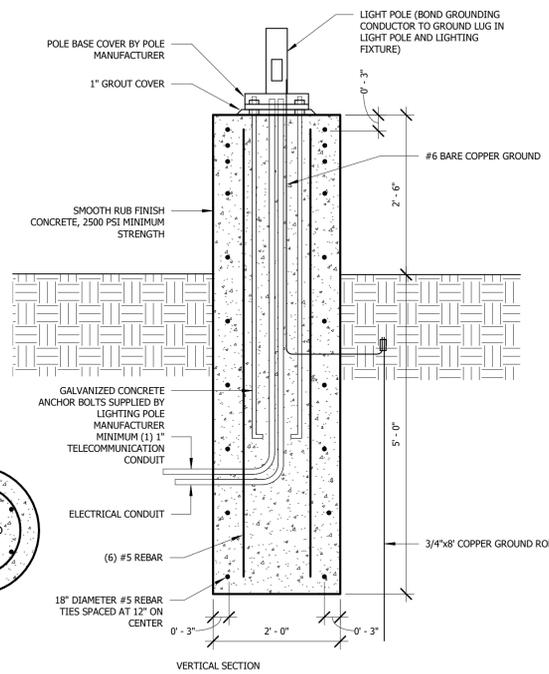
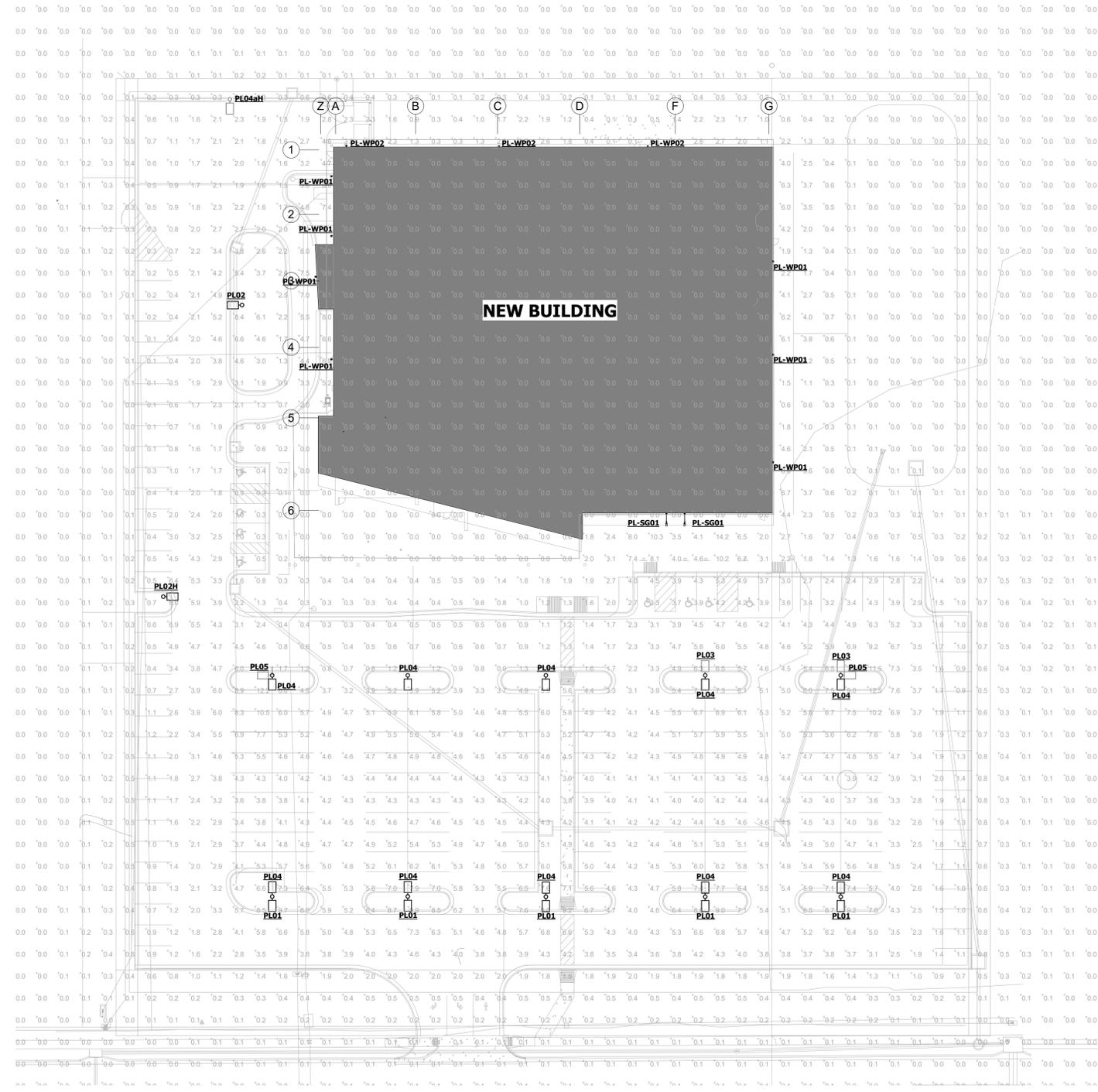
Drawing No.

**E102**  
SITE PHOTOMETRIC PLAN

### PARKING LOT LIGHTING FIXTURE SCHEDULE

TYPE MARK	MANUFACTURER	MODEL NUMBER	DRIVER	FINISH	VOLTAGE	LAMP TYPE	LAMP QTY	COLOR TEMP	TOTAL WATTAGE	NOTES	EQUIVALENTS
PL01	SIGNIFY	ECF-S-32L-1.2A-NH-G2-AR-2-UNV-MGY	STD	MEDIUM GRAY	UNV	LED	4000	122	4000	1.2	
PL02	SIGNIFY	ECF-S-48L-1.2A-NW-G2-AR-2-UNV-MGY	STD	MEDIUM GRAY	UNV	LED	4000	122	4000	1.2	
PL02H	SIGNIFY	ECF-S-48L-1.2A-NW-G2-AR-2-UNV-HIS-MGY	STD	MEDIUM GRAY	UNV	LED	4000	122	4000	1.2	
PL03	SIGNIFY	ECF-S-48L-1.2A-NW-G2-AR-3-UNV-MGY	STD	MEDIUM GRAY	UNV	LED	4000	183	4000	1.2	
PL04	SIGNIFY	ECF-S-48L-1.2A-NW-GR-AR-4-UNV-MGY	STD	MEDIUM GRAY	UNV	LED	4000	183	4000	1.2	
PL04H	SIGNIFY	ECF-S-32L-1.2A-NW-G2-AR-3-UNV-HIS-MGY	STD	MEDIUM GRAY	UNV	LED	4000	122	4000	1.2	
PL05	SIGNIFY	ECF-S-32L-1.2A-NW-G2-AR-5-UNV-MGY	STD	MEDIUM GRAY	UNV	LED	4000	183	4000	1.2	
PL-SG01	BEGA	BEGA-24509K4	DIM	BY ARCH	120	LED	4000	56	4000	1	
PL-WP01	EATON	ENC-E02-LED-E1-BL-2 (FINISH)	-	BY ARCH	120	LED	4000	47	4000	1	
PL-WP02	EATON	ENC-E01-LED-E1-BL-2 (FINISH)	-	BY ARCH	120	LED	4000	25	4000	1	

- NOTES:  
1. FIXTURE SHALL BE RATED FOR OUTDOOR USE.  
2. PROVIDE 20' SQUARE POLE.



**2** PARKING LOT LIGHT POLE BASE  
NOT TO SCALE

**1** SITE PHOTOMETRIC PLAN  
1" = 30'-0"

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Mid-Continent Public Library  
NEW BRANCH LIBRARY  
**Colbern Road Branch**  
1000 NE COLBERN ROAD  
LEE'S SUMMIT, MISSOURI 64086  
JACKSON COUNTY

Architect of Record

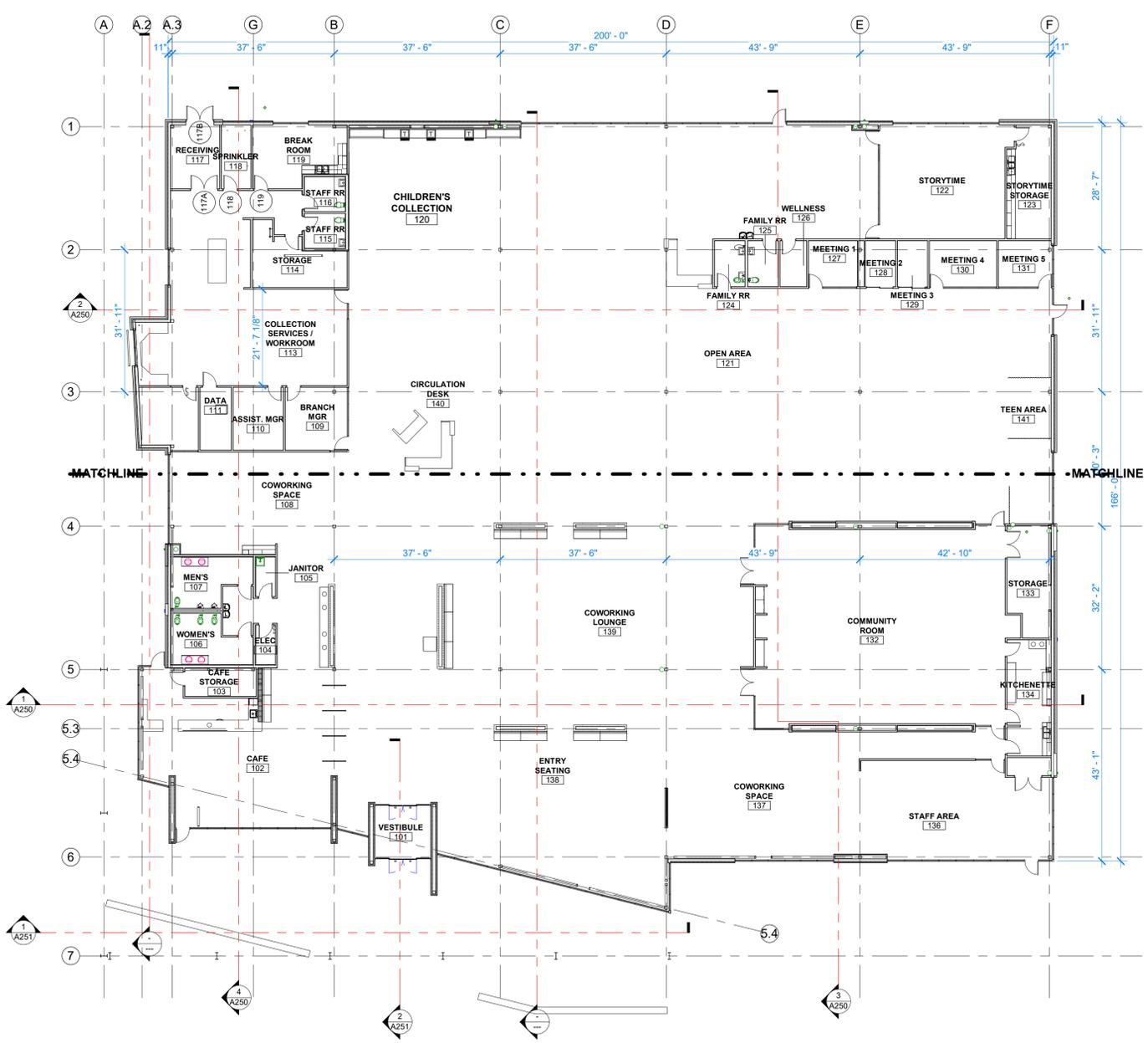
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NOT FOR  
CONSTRUCTION**

PRELIMINARY: UNCERTIFIED  
FOR PRE-DEVELOPMENT  
PLAN REVIEW - NOV 8, 2019

Revision No.	Description	Date

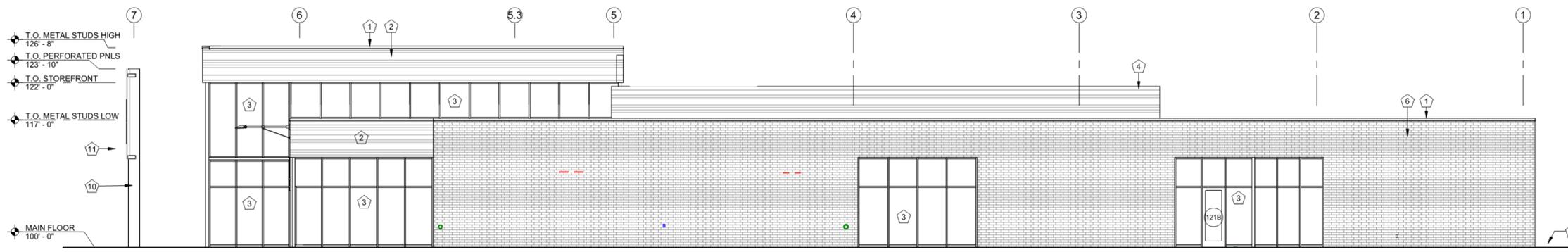
Project No.	Date	Drawn
WP10	11-8-2019	TLK

Drawing No.  
**A100**  
OVERALL FLOOR PLAN

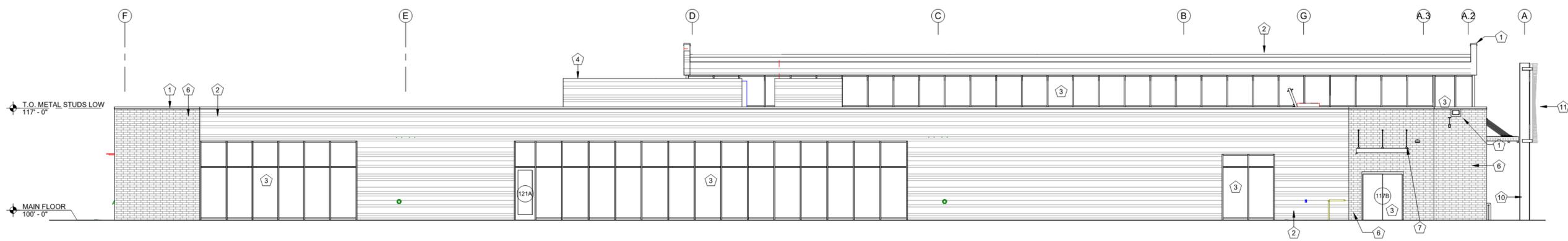


**1 OVERALL FLOOR PLAN**  
1/16" = 1'-0"

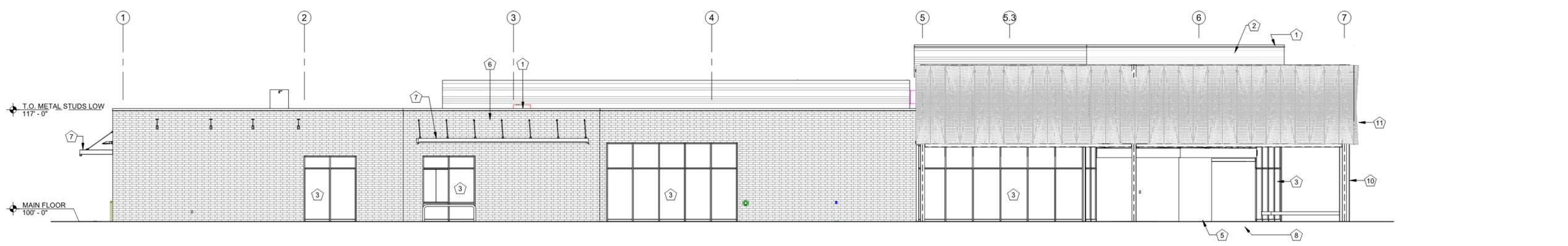




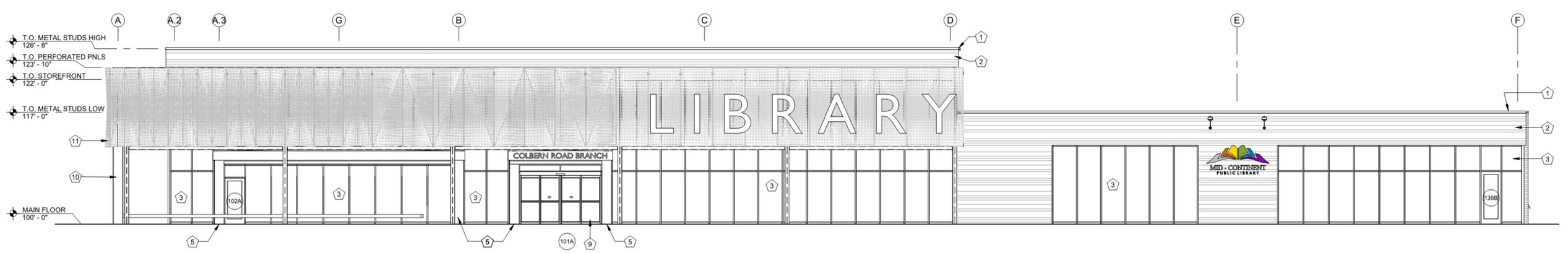
**4 EAST ELEVATION**  
1/8" = 1'-0"



**3 NORTH ELEVATION**  
1/8" = 1'-0"



**2 WEST ELEVATION**  
1/8" = 1'-0"



**1 SOUTH ELEVATION**  
1/8" = 1'-0"

**KEYNOTES**

- 1 PREFINISHED METAL PARAPET CAP OR ROOF EDGE TRIM
- 2 PREFINISHED HORIZ MTL PANELS WITH STANDARD SHOP FAB CORNERS AND TRIM - SEE SPECS
- 3 WINDOWS, DOORS, DOOR FRAMES & STOREFRONT SEE DOOR & WINDOW SCHEDULES
- 4 MECHANICAL SCREEN WALL, SEE ROOF PLAN FOR MORE INFORMATION
- 5 COMPOSITE METAL PANELS - SEE SPEC
- 6 BRICK VENEER - SEE SPEC
- 7 PREMANUFACTURED ALUMINUM CANTILEVERED CANOPY, SUPER LUMIDECK FLAT SOFFIT (WHITE), SEE SPECS
- 8 FINISH GRADE - SEE SITE GRADING PLAN
- 9 AUTOMATIC SLIDING DOOR SYSTEM, REFER TO DOOR & WINDOW SCHEDULE. SEE SPECIFICATIONS FOR MORE INFORMATION
- 10 PAINTED EXPOSED STEEL COLUMNS - SEE STRUCTURAL
- 11 PERFORATED SCREEN WALL - SEE SECTIONS AND STRUCTURAL FOR MORE INFORMATION

**SAPP DESIGN ARCHITECTS**  
3750 S. Fremont Ave.  
Springfield, MO 65804 417.877.9600

Sapp Design Associates Architects, P.C.  
Missouri State Certificate of Authority #000607

**helix.**

1629 Walnut  
Kansas City, MO 64108 816.300.0300  
Helix Architecture + Design  
Missouri State Certificate of Authority #000720

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Mid-Continent Public Library  
NEW BRANCH LIBRARY  
**Colbern Road Branch**  
1000 NE COLBERN ROAD  
LEE'S SUMMIT, MISSOURI 64086  
JACKSON COUNTY



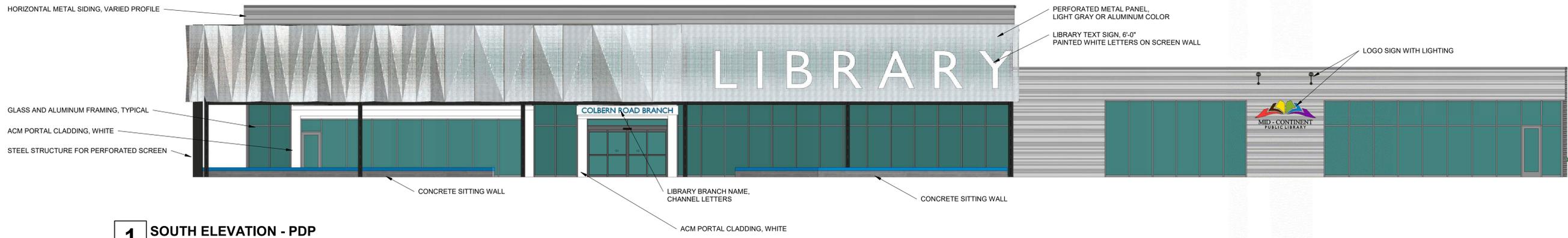
Michael James Sapp, Architect MO A-5051

PRELIMINARY:  
FOR PRE-DEVELOPMENT  
PLAN REVIEW - NOV 8, 2019

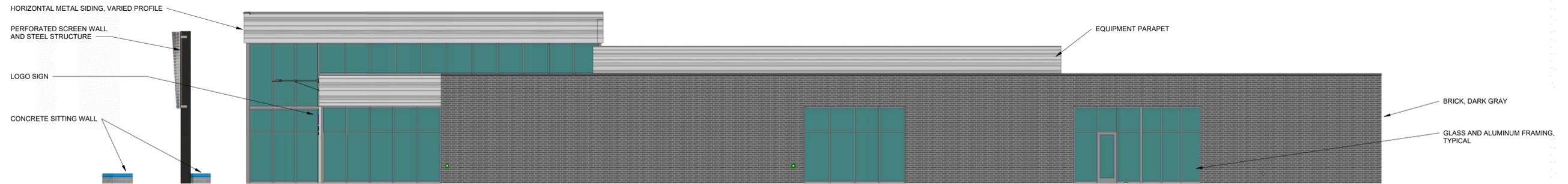
Revision No.	Description	Date

Project No.	Date	Drawn
WP10	11-8-2019	Author

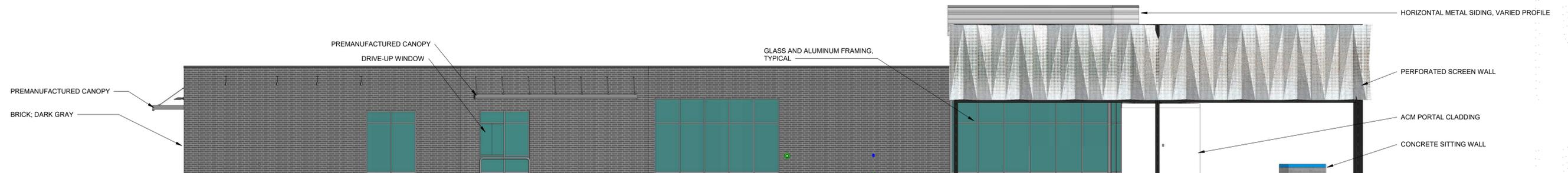
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ELEVATIONS



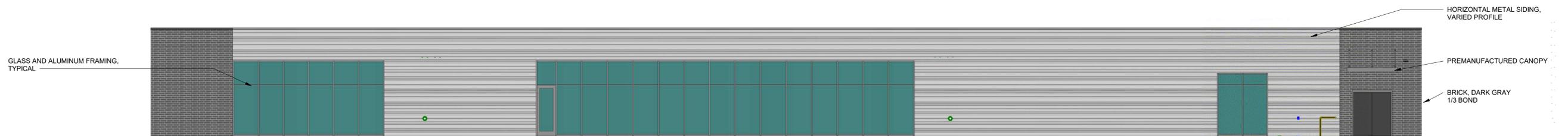
**1 SOUTH ELEVATION - PDP**  
1/8" = 1'-0"



**2 EAST ELEVATION - PDP**  
1/8" = 1'-0"

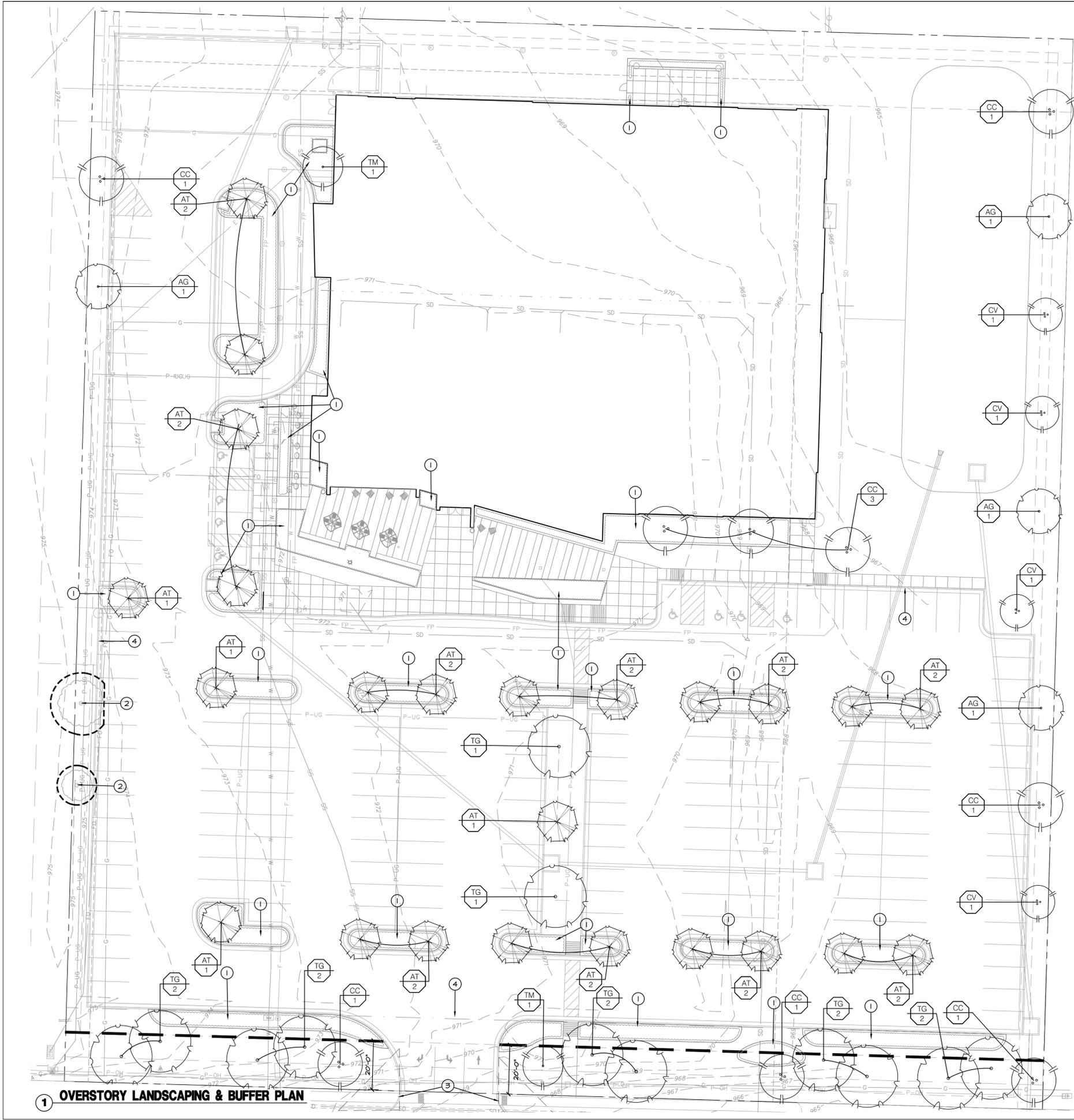


**3 WEST ELEVATION - PDP**  
1/8" = 1'-0"



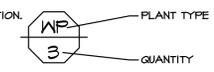
**4 NORTH ELEVATION - PDP**  
1/8" = 1'-0"



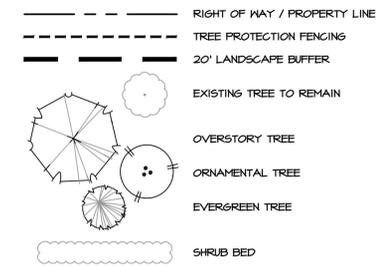


**LANDSCAPE GENERAL NOTES:**

1. THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO ALL APPLICABLE STANDARDS AND SPECIFICATIONS OF THE CITY OF LEE'S SUMMIT, MISSOURI IN CURRENT USAGE. ALL STANDARDS NOT COVERED BY THE CITY SHALL BE AFWA STANDARDS IN CURRENT USAGE UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES, DRAIN LINES AND IRRIGATION PIPING PRIOR TO COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES, DRAIN LINES AND IRRIGATION PIPING.
3. CONTRACTOR SHALL VERIFY AND COORDINATE ALL FINAL GRADES WITH LANDSCAPE ARCHITECT PRIOR TO COMPLETION.
4. DEBRIS SHALL NOT BE ALLOWED TO ACCUMULATE AND SHALL BE REMOVED AT FREQUENT INTERVALS. AT COMPLETION OF WORK IN EACH AREA, THE CONTRACTOR SHALL GATHER AND REMOVE ALL DEBRIS, EQUIPMENT, AND EXCESS MATERIAL FROM THAT AREA. AT FINAL COMPLETION OF ALL WORK HE SHALL REMOVE ALL SUCH ITEMS FROM THE PREMISES.
5. LOCATION AND PLACEMENT OF ALL PLANT MATERIAL SHALL BE COORDINATED WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
6. THE LANDSCAPE PLANTING PLAN GRAPHICALLY ILLUSTRATES OVERALL PLANT MASSINGS. EACH PLANT SPECIES SHALL BE PLACED IN THE FIELD TO UTILIZE THE GREATEST COVERAGE OF THE GROUND PLANE. THE FOLLOWING APPLIES FOR INDIVIDUAL PLANTINGS:
  - ALL EVERGREEN SHRUBS AND CREEPING GROUNDCOVERS SHALL BE MINIMUM OF 2' FROM ANY PAVING EDGE.
  - ALL PLANTS OF THE SAME SPECIES SHALL BE EQUALLY SPACED AND SITED FOR THE BEST AESTHETIC VIEWING.
  - ALL TREES, EVERGREEN OR DECIDUOUS, SHALL BE A MINIMUM OF 4' FROM ANY PAVING EDGE.
7. ANY SUBSTITUTION OF SPECIFIED PLANT MATERIAL WILL NOT BE ALLOWED WITHOUT WRITTEN AUTHORIZATION FROM LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
8. MULCH ALL PLANTING AREAS TO A DEPTH OF 3" DEPTH ACCORDING TO PLANS AND SPECIFICATIONS. SAMPLES SHALL BE APPROVED BY LANDSCAPE ARCHITECT.
9. ALL PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS AND FREE OF DISEASE AND INSECTS PER AAN STANDARDS. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY INFERIOR OR OTHERWISE UNSUITABLE PLANT MATERIAL PROPOSED FOR USE ON THE PROJECT.
10. ALL PLANTING BEDS NOT FULLY CONTAINED BY CONCRETE CURBS OR WALKS SHALL BE EDGED ACCORDING TO PLANS AND SPECIFICATIONS.
11. PLANTS AND LANDSCAPE MATERIALS SHALL BE INSTALLED AS DETAILED ON PLANS.
12. PLANT BACKFILL FOR TREES AND SHRUBS SHALL BE PER SPECIFICATIONS.
13. ALL PLANTING BEDS SHALL BE TREATED WITH DACTHAL PRE-EMERGENT HERBICIDE AT MANUFACTURER RECOMMENDED RATES AND SHALL BE COVERED WITH SPECIFIED MULCH APPLICATION. APPLY LIGHTER APPLICATION OF DACTHAL HERBICIDE TO TOP OF MULCH LAYER.
14. ALL AREAS DISTURBED DURING CONSTRUCTION THAT ARE NOT DESIGNATED AS PLANTING BEDS OR PAVEMENT AREAS SHALL BE SEEDDED WITH A TURF TYPE TALL FESCUE PER SPECIFICATIONS.
15. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER OWNER'S FINAL ACCEPTANCE OF FINISHED JOB. ALL DEAD AND DAMAGED PLANT MATERIAL SHALL BE REPLACED BY LANDSCAPE CONTRACTOR AT THEIR EXPENSE. LANDSCAPE CONTRACTOR SHALL MAINTAIN PLANT MATERIAL UNTIL FINAL ACCEPTANCE.
16. ALL LANDSCAPE BEDS SHALL BE MOUNDED AS SHOWN ON PLANS AND DETAILS.
17. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ACTUAL PLANT QUANTITIES REQUIRED TO COMPLETE THE PROJECT AS SHOWN ON THE PLANS, AND BASE THEIR BID ACCORDINGLY.
18. PLANT KEY DESCRIPTION:

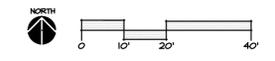


**LANDSCAPE LEGEND:**



**LANDSCAPE PLAN NOTES:**

- 1 PLANTING BED WITH HARDWOOD MULCH; REF. LANDSCAPE GENERAL NOTES, LANDSCAPE DETAILS #SPECIFICATIONS
- 2 EXISTING TREE TO REMAIN
- 3 SIGHT TRIANGLES
- 4 PARKING LOT PERIMETER USED FOR 5% CALCULATION



**1 OVERSTORY LANDSCAPING & BUFFER PLAN**

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Mid-Continent Public Library  
RENOVATIONS TO  
**COLBERN ROAD BRANCH**  
1000 NE Colbern Road  
Lee's Summit, Missouri 64086  
Jackson County

PP-1 SUBMITTAL PACKAGE **10**

**NOT FOR CONSTRUCTION**

**ochsner hare + hare**  
the **olsson studio**

Ochsner Hare & Hare  
Missouri State Certificate of Authority #2005000285  
Revision No. Description Date

Project No. 016-1023 Date 12/10/19 Drawn TG

Drawing No. **L500**  
**OVERSTORY LANDSCAPING & BUFFER PLAN**

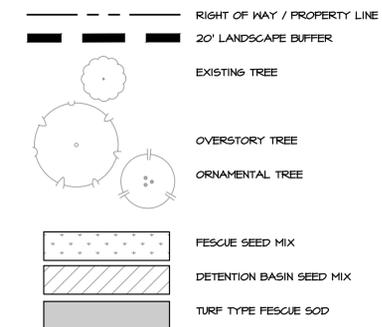


**LANDSCAPE GENERAL NOTES:**

1. THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO ALL APPLICABLE STANDARDS AND SPECIFICATIONS OF THE CITY OF LEE'S SUMMIT, MISSOURI IN CURRENT USAGE. ALL STANDARDS NOT COVERED BY THE CITY SHALL BE AFPA STANDARDS IN CURRENT USAGE UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES, DRAIN LINES AND IRRIGATION PIPING PRIOR TO COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES, DRAIN LINES AND IRRIGATION PIPING.
3. CONTRACTOR SHALL VERIFY AND COORDINATE ALL FINAL GRADES WITH LANDSCAPE ARCHITECT PRIOR TO COMPLETION.
4. DEBRIS SHALL NOT BE ALLOWED TO ACCUMULATE AND SHALL BE REMOVED AT FREQUENT INTERVALS. AT COMPLETION OF WORK IN EACH AREA, THE CONTRACTOR SHALL GATHER AND REMOVE ALL DEBRIS, EQUIPMENT, AND EXCESS MATERIAL FROM THAT AREA. AT FINAL COMPLETION OF ALL WORK HE SHALL REMOVE ALL SUCH ITEMS FROM THE PREMISES.
5. LOCATION AND PLACEMENT OF ALL PLANT MATERIAL SHALL BE COORDINATED WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
6. THE LANDSCAPE PLANTING PLAN GRAPHICALLY ILLUSTRATES OVERALL PLANT MASSINGS. EACH PLANT SPECIES SHALL BE PLACED IN THE FIELD TO UTILIZE THE GREATEST COVERAGE OF THE GROUND PLANE. THE FOLLOWING APPLIES FOR INDIVIDUAL PLANTINGS:
  - ALL EVERGREEN SHRUBS AND CREEPING GROUNDCOVERS SHALL BE MINIMUM OF 2' FROM ANY PAVING EDGE.
  - ALL PLANTS OF THE SAME SPECIES SHALL BE EQUALLY SPACED AND SITED FOR THE BEST AESTHETIC VIEWING.
  - ALL TREES, EVERGREEN OR DECIDUOUS, SHALL BE A MINIMUM OF 4' FROM ANY PAVING EDGE.
7. ANY SUBSTITUTION OF SPECIFIED PLANT MATERIAL WILL NOT BE ALLOWED WITHOUT WRITTEN AUTHORIZATION FROM LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
8. MULCH ALL PLANTING AREAS TO A DEPTH OF 3" DEPTH ACCORDING TO PLANS AND SPECIFICATIONS. SAMPLES SHALL BE APPROVED BY LANDSCAPE ARCHITECT.
9. ALL PLANT MATERIAL WILL BE HEALTHY, VIGOROUS AND FREE OF DISEASE AND INSECTS PER AAN STANDARDS. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY INFERIOR OR OTHERWISE UNSUITABLE PLANT MATERIAL PROPOSED FOR USE ON THE PROJECT.
10. ALL PLANTING BEDS NOT FULLY CONTAINED BY CONCRETE CURBS OR WALKS SHALL BE EDGED ACCORDING TO PLANS AND SPECIFICATIONS.
11. PLANTS AND LANDSCAPE MATERIALS SHALL BE INSTALLED AS DETAILED ON PLANS.
12. PLANT BACKFILL FOR TREES AND SHRUBS SHALL BE PER SPECIFICATIONS.
13. ALL PLANTING BEDS SHALL BE TREATED WITH DACTHAL PRE-EMERGENT HERBICIDE AT MANUFACTURER'S RATES AND SHALL BE COVERED WITH SPECIFIED MULCH APPLICATION. APPLY LIGHTER APPLICATION OF DACTHAL HERBICIDE TO TOP OF MULCH LAYER.
14. ALL AREAS DISTURBED DURING CONSTRUCTION THAT ARE NOT DESIGNATED AS PLANTING BEDS OR PAVEMENT AREAS SHALL BE SEEDED WITH A TURF TYPE TALL FESCUE PER SPECIFICATIONS.
15. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER OWNER'S FINAL ACCEPTANCE OF FINISHED JOB. ALL DEAD AND DAMAGED PLANT MATERIAL SHALL BE REPLACED BY LANDSCAPE CONTRACTOR AT THEIR EXPENSE. LANDSCAPE CONTRACTOR SHALL MAINTAIN PLANT MATERIAL UNTIL FINAL ACCEPTANCE.
16. ALL LANDSCAPE BEDS SHALL BE MOUNDED AS SHOWN ON PLANS AND DETAILS.
17. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ACTUAL PLANT QUANTITIES REQUIRED TO COMPLETE THE PROJECT AS SHOWN ON THE PLANS, AND BASE THEIR BID ACCORDINGLY.
18. PLANT KEY DESCRIPTION:
 

	PLANT TYPE
	QUANTITY

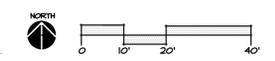
**LANDSCAPE LEGEND:**



**LANDSCAPE PLAN NOTES:**

- 1 AREA TO BE SODDED WITH TURF TYPE FESCUE, REF. SPECIFICATIONS
- 2 AREA TO BE SEEDED WITH FESCUE SEED, REF. SPECIFICATIONS
- 3 AREA TO BE SEEDED, DETENTION BASIN MIX TO BE DETERMINED
- 4 PLANTING BED WITH HARDWOOD MULCH, REF. LANDSCAPE GENERAL NOTES, LANDSCAPE DETAILS & SPECIFICATIONS
- 5 STEEL BED EDGE
- 6 SIGHT TRIANGLES
- 7 20' LANDSCAPE BUFFER

**1 UNDERSTORY LANDSCAPING & BUFFER PLAN**



**SAPP DESIGN ARCHITECTS**

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Springfield, MO 65804 417.877.9600

Sapp Design Associates Architects, P.C.  
Missouri State Certificate of Authority #000607

**helix.**

1629 Walnut  
Kansas City, MO 64108 816.300.0300

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Mid-Continent Public Library  
RENOVATIONS TO  
**COLBERN ROAD BRANCH**  
1000 NE Colbern Road  
Lee's Summit, Missouri 64086  
Jackson County

PPF SUBMITTAL PACKAGE **10**

**NOT FOR CONSTRUCTION**

**ochsner hare + hare**  
the **olsson studio**

Ochsner Hare & Hare  
Missouri State Certificate of Authority #2005000285  
Revision No. Description Date

Project No. 016-1023 Date 12/10/19 Drawn TG

Drawing No. **L501**  
**UNDERSTORY LANDSCAPING & BUFFER PLAN**

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PARKING LOT LANDSCAPE - AREA CALCULATIONS	
ORDINANCE REQUIREMENT	
LANDSCAPE ISLANDS, STRIPS AND PLANTING AREAS SHALL CONSTITUTE AT LEAST FIVE PERCENT (5%) OF THE ENTIRE AREA DEVOTED TO PARKING.	
TOTAL PARKING LOT AREA = 74,703 SQ FT FIVE PERCENT (5%) OF 74,703 = 3,485.15 SQ FT	
TOTAL LANDSCAPE AREA = 4,426 SQ FT	

STREET FRONTAGE TREES - PLANT SCHEDULE					
KEY	BOTANICAL NAME	COMMON NAME	SIZE	COND.	QUANTITY
SHADE TREES					
TG TM	Tilia cordata 'Greenspire' Taxodium distichum 'Mickelson'	GREENSPIRE LITTLELEAF LINDEN SHAWNEE BRAVE BALD CYPRESS	3" CAL. 3" CAL.	B 4 B B 4 B	10 1
ORNAMENTAL TREES					
CC	Cercis canadensis	EASTERN REDBUD	3" CAL.	B 4 B	3
ORDINANCE REQUIREMENT					
ONE (1) TREE PER 30 LINEAR FEET OF STREET FRONTAGE.					
400 FT. OF STREET FRONTAGE / 30 = <b>14 TREES REQUIRED</b> <b>TOTAL PROPOSED 14</b>					

OPEN YARD TREES - PLANT SCHEDULE					
KEY	BOTANICAL NAME	COMMON NAME	SIZE	COND.	QUANTITY
SHADE TREES					
AT TG TM	Acer truncatum Tilia cordata 'Greenspire' Taxodium distichum 'Mickelson'	SHANTUNG MAPLE GREENSPIRE LITTLELEAF LINDEN SHAWNEE BRAVE BALD CYPRESS	3" CAL. 3" CAL. 3" CAL.	B 4 B B 4 B B 4 B	24 2 1
ORNAMENTAL TREES					
AS CC CV	Amelanchier x Grandiflora 'Autumn Brilliance' Cercis canadensis Chionanthus virginicus	AUTUMN BRILLIANCE SERVICEBERRY EASTERN REDBUD WHITE FRINGETREE	3" CAL. 3" CAL. 3" CAL.	B 4 B B 4 B B 4 B	4 6 4
ORDINANCE REQUIREMENT					
ONE (1) TREE PER 5000 SQ. FT. OF TOTAL LOT AREA EXCLUDING BUILDING FOOTPRINT (IN ADDITION TO STREET TREES).					
174,360.3 SQ. FT. OF TOTAL LOT AREA MINUS 33,742.5 SQ. FT. OF BUILDING FOOTPRINT = 140,617.8 SF 140,617.8 SQ. FT. / 5000 = <b>28 TREES REQUIRED</b> <b>TOTAL PROPOSED 41</b>					

OPEN YARD SHRUBS - PLANT SCHEDULE					
KEY	BOTANICAL NAME	COMMON NAME	SIZE	COND.	QUANTITY
DECIDUOUS SHRUBS					
BB CH FI IVH IL	Buddleja Davidii 'Blue Chip' Cornus alba 'Ballhala' Forsythia X intermedia Itea virginica 'Henry's Garnet' Itea virginica 'Little Henry'	DWARF BUTTERFLY BUSH IVORY HALO DOGWOOD BORDER FORSYTHIA HENRY'S GARNET SHEETSPIRE VIRGINIA SHEETSPIRE	5 GAL. 5 GAL. 5 GAL. 5 GAL. 5 GAL.	CONT. CONT. CONT. CONT. CONT.	10 44 13 8 120
EVERGREEN SHRUBS					
RAG	Rhus Aromatica 'Gro-Low'	GRO-LOW FRAGRANT SUMAC	5 GAL.	CONT.	68
PERENNIALS / GRASSES					
B5 EP PVH RH SSB	Baptisia 'Solar Flare' Echinacea purpurea Panicum virgatum 'Heavy Metal' Rudbeckia fulgida speciosa 'Goldsturm' Schizachyrium Scoparium	SOLAR FLARE FALSE INDIGO PURPLE CONE FLOWER HEAVY METAL SWITCHGRASS GOLDSTURM BLACK-EYED SUSAN LITTLE BLUESTEM	1 GAL. 1 GAL. 1 GAL. 1 GAL. 1 GAL.	CONT. CONT. CONT. CONT. CONT.	21 62 64 314 55
ORDINANCE REQUIREMENT					
740 (2) SHRUBS PER 5000 SQ. FT. OF TOTAL LOT AREA EXCLUDING BUILDING FOOTPRINT.					
174,360.3 SQ. FT. OF TOTAL LOT AREA MINUS 33,742.5 SQ. FT. OF BUILDING FOOTPRINT = 140,617.8 SQ. FT. 140,617.8 SQ. FT. / 5000 x 2 = <b>57 SHRUBS REQUIRED</b> <b>TOTAL PROPOSED 141</b>					

PARKING LOT SCREENING AND STREET FRONTAGE SHRUBS - PLANT SCHEDULE					
KEY	BOTANICAL NAME	COMMON NAME	SIZE	COND.	QUANTITY
DECIDUOUS SHRUBS					
BB CH FI IVH PD VCK	Buddleja Davidii 'Blue Chip' Cornus alba 'Ballhala' Forsythia X intermedia Itea virginica 'Henry's Garnet' Physocarpus opulifolius 'Diabolo' Viburnum cerasifolium	DWARF BUTTERFLY BUSH IVORY HALO DOGWOOD BORDER FORSYTHIA HENRY'S GARNET SHEETSPIRE DIABLO NINEBARK KOREANSPICE VIBURNUM	5 GAL. 3 GAL. 3 GAL. 5 GAL. 5 GAL. 5 GAL.	CONT. CONT. CONT. CONT. CONT. CONT.	36 20 7 6 15 4
PERENNIALS / GRASSES					
B5 EP RH SSB	Baptisia 'Solar Flare' Echinacea purpurea Rudbeckia fulgida speciosa 'Goldsturm' Schizachyrium Scoparium	SOLAR FLARE FALSE INDIGO PURPLE CONE FLOWER GOLDSTURM BLACK-EYED SUSAN LITTLE BLUESTEM	1 GAL. 1 GAL. 1 GAL. 1 GAL.	CONT. CONT. CONT. CONT.	10 5 10 18
ORDINANCE REQUIREMENT					
12 SHRUBS PER 40 LINEAR FEET (MUST BE 2.5 FEET TALL); MUST BE AT LEAST 18" TALL AT THE TIME OF PLANTING; MUST BE AT LEAST 2.5' IN HEIGHT AT MATURITY AND BE SUITABLE FOR PARKING APPLICATIONS.					
<b>111 SHRUBS REQUIRED</b> <b>TOTAL PROPOSED 136</b>					

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Mid-Continent Public Library  
RENOVATIONS TO  
**COLBURN ROAD BRANCH**  
1000 NE Colburn Road  
Lee's Summit, Missouri 64086  
Jackson County

PPS SUBMITTAL PACKAGE **10**

**NOT FOR CONSTRUCTION**

**ochsner hare + hare**  
the **olsson studio**

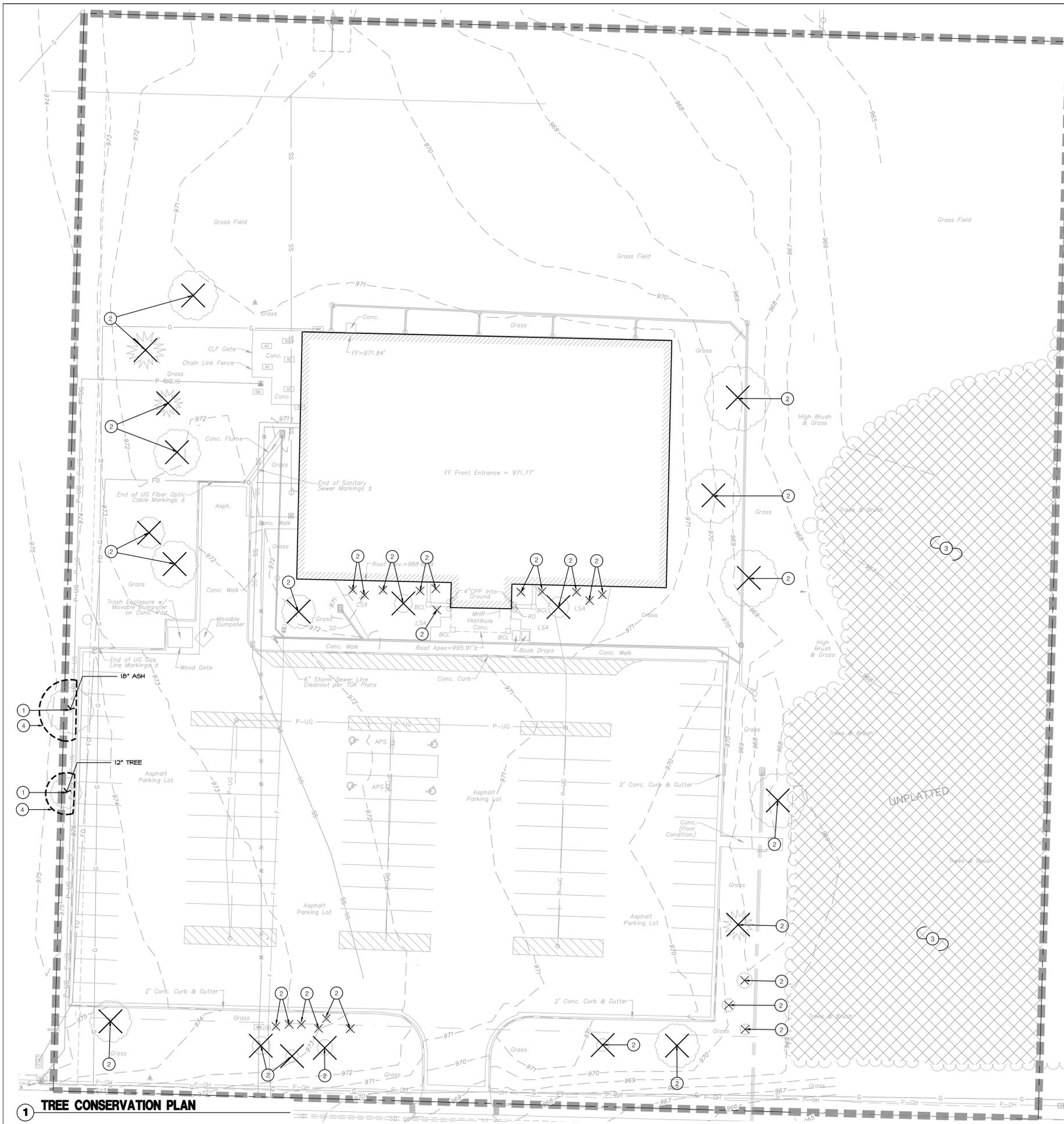
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Missouri State Certificate of Authority #2005000285

Revision No.	Description	Date

Project No.	Date	Drawn
016-1023	12/10/19	TG

Drawing No.

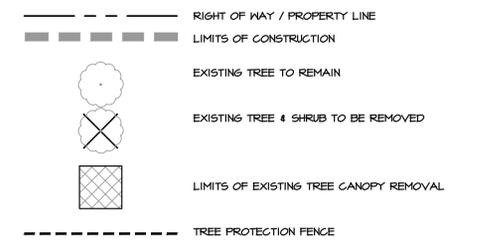
**L502**  
OVERSTORY AND UNDERSTORY  
PLANT SCHEDULE



**TREE CONSERVATION GENERAL NOTES:**

1. CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION OF EXISTING FEATURES WITHIN THE LIMITS OUTLINE, INCLUDING BUT NOT LIMITED TO TREES, UNDERSTORY BRUSH, TURF LAWN, TRASH, ETC., UNLESS OTHERWISE NOTED.
2. ALL MATERIAL NOTED FOR DEMOLITION AND REMOVAL SHALL BE REMOVED, LEGALLY, OFF SITE BY THE CONTRACTOR AND DISPOSED OF AT LOCATIONS ACCEPTABLE TO THE OWNER AND GOVERNING AGENCIES.
3. PRIOR TO COMMENCING DEMOLITION WORK, THE CONTRACTOR SHALL VERIFY WITH UTILITY COMPANIES, THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL PROTECT ALL UTILITIES TO REMAIN IN SERVICE DURING DEMOLITION AND CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE THE RELOCATION OF ANY AND ALL UTILITIES AS REQUIRED BY THIS CONSTRUCTION.
4. CONTRACTOR SHALL PROTECT EXISTING STORM DRAINAGE STRUCTURES FROM SILTATION DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE FOR CONTROL OF SURFACE EROSION DURING CONSTRUCTION AND UNTIL THE OWNER ACCEPTS THE WORK AS COMPLETE. THE CONTRACTOR SHALL PROVIDE BERMS, SILT FENCE, STRAW BALES OR OTHER MEANS TO PREVENT SEDIMENT FROM REACHING THE PUBLIC RIGHT-OF-WAY, OR ADJACENT PROPERTY. IN THE EVENT THE PREVENTION MEASURES ARE NOT EFFECTIVE, THE CONTRACTOR SHALL REMOVE ANY DEBRIS AND SEDIMENT AND RESTORE THE RIGHT-OF-WAY AND ADJACENT PROPERTY TO ORIGINAL OR BETTER CONDITION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL REQUIRED PERMITS TO COMPLETE SCOPE OF WORK.
6. TREES TO BE REMOVED SHALL BE CUT DOWN, DEMOLISHED AND REMOVED FROM THE SITE. ALL BRUSH AND TREES SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER APPROVED BY OWNER.
7. CONTRACTOR SHALL REMOVE STUMPS BY GRINDING STUMPS AND REMOVING ROOTS, OBSTRUCTIONS AND DEBRIS EXTENDING TO A DEPTH OF 18\"/>

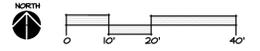
**TREE CONSERVATION LEGEND:**



**TREE CONSERVATION PLAN NOTES:**

- ① EXISTING TREE TO REMAIN.
- ② EXISTING TREE TO BE CLEAR, GRUBBED, AND REMOVED.
- ③ CLEAR, GRUB AND REMOVE EXISTING TREE CANOPY TO LIMITS INDICATED AS THIS ON PLAN.
- ④ INSTALL TREE PROTECTION FENCE; REF. 2/L100

**1 TREE CONSERVATION PLAN**



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Mid-Continent Public Library  
RENOVATIONS TO  
**COLBERN ROAD BRANCH**  
1000 NE Colbern Road  
Lee's Summit, Missouri 64086  
Jackson County

PPP SUBMITTAL PACKAGE **10**

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**ochsner hare + hare**  
the **olsson studio**

Ochsner Hare & Hare  
Missouri State Certificate of Authority #2005000285

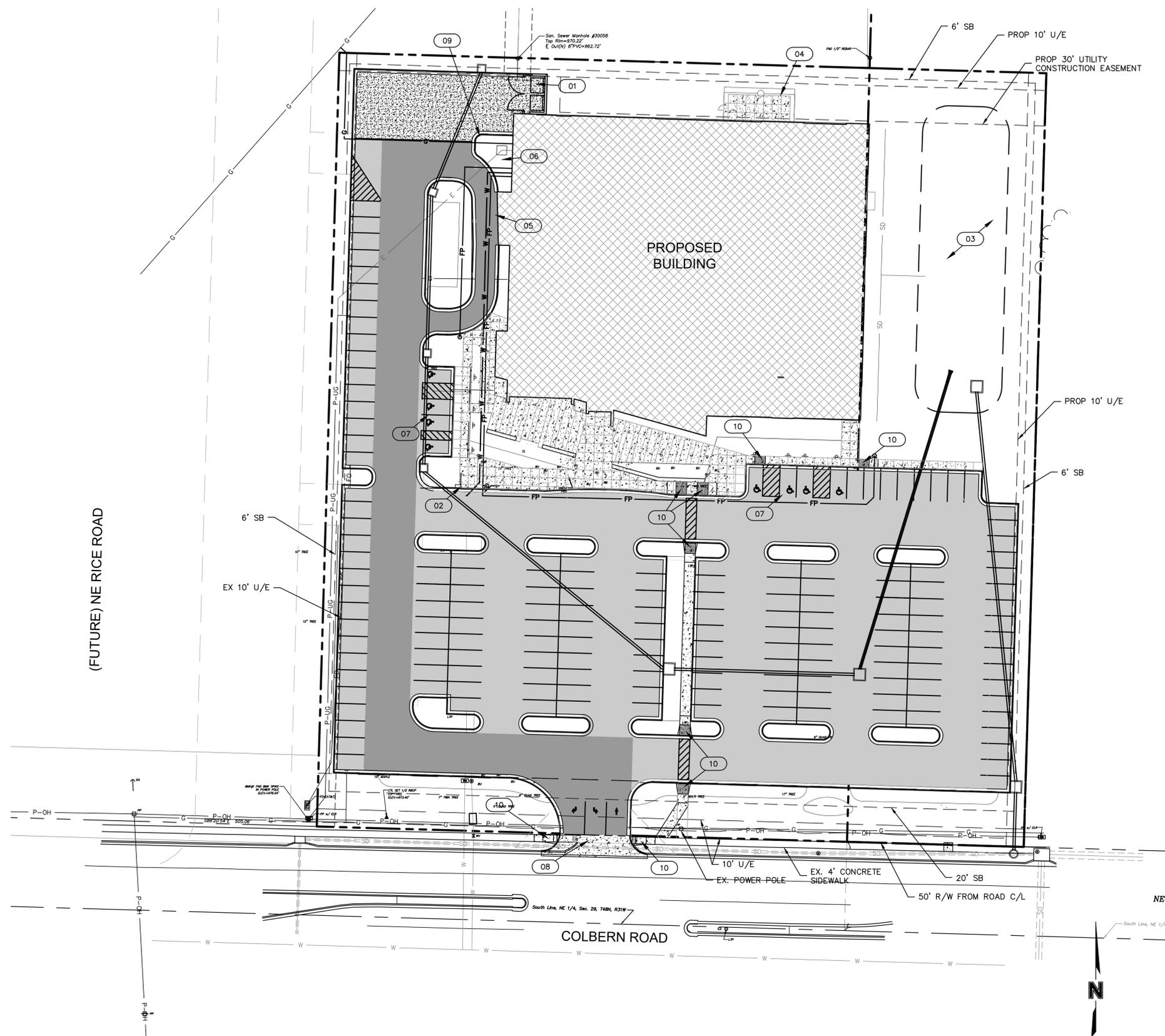
Revision No.	Description	Date

Project No.	Date	Drawn
016-1023	12/10/19	TG

Drawing No. **L503**

**TREE CONSERVATION PLAN**

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SITE DATA		
ZONING & SITE AREA		
PROPOSED USE:	PUBLIC LIBRARY	
SITE AREA		
LOT 2 (AS DESCRIBED):	4.00 ACRES (174,237 SF)	ZONING CP-2
IMPERVIOUS:	2.58 ACRES (112,384 SF) (64%)	
PERVIOUS:	1.42 ACRES (61,855 SF) (36%)	
FAR (0.55 MAX):	0.15	
BUILDING AREA		
BUILDING TYPE	# STORIES	SQUARE FOOTAGE
BUILDING	1	34,030 SF
PARKING		
USE	REQUIRED	PROVIDED
LIBRARY	4 PER 1000 SF = 136	163
ADA	4 (PER CITY TABLE)	8
TOTAL	136	166 (INCLUDING ADA)

**NOTE:**  
 ACCORDING TO MDNR STATE OIL & GAS COUNSEL THERE ARE NO OIL AND GAS WELLS LOCATED WITHIN OR ADJACENT TO THE PROPERTY.  
 THERE ARE NO FEMA DELINEATED FLOODPLAINS ON THE PROPERTY.

LEGEND	
	PROPERTY LINES
	RIGHT-OF-WAY LINES
	LOT LINES
	ROAD CENTERLINE
	EASEMENT LINES
	SETBACK LINES
	EXISTING GRADE CONTOURS
	PROPOSED GRADE CONTOURS
	OVERHEAD ELECTRIC
	UNDERGROUND ELECTRIC
	UNDERGROUND TELEPHONE
	UNDERGROUND FIBER OPTIC
	GAS LINE
	WATER LINE
	FIRE PROTECTION LINE
	STORM SEWER LINE
	SANITARY SEWER LINE
	ACCESSIBLE SIDEWALK RAMP
	CONCRETE CURB & GUTTER TYPE "B" RE: DETAILS
	CONCRETE CURB & GUTTER TYPE "B-DRY" RE: DETAILS
	PROPOSED CONCRETE SIDEWALK
	PROPOSED HEAVY DUTY CONCRETE PAVEMENT
	PROPOSED LIGHT DUTY ASPHALT
	PROPOSED HEAVY DUTY ASPHALT
	PROPOSED DETENTION BASIN

- KEYNOTES:**
- 01 TRASH ENCLOSURE - CMU WALLS WITH BRICK FACING AND STEEL DOORS
  - 02 BOOK DROP
  - 03 EXTEND DRY DETENTION BASIN
  - 04 CONCRETE PATIO
  - 05 DRIVE-THRU WINDOW
  - 06 POWER TRANSFORMER
  - 07 ADA ACCESSIBLE SIGNAGE AND STRIPING
  - 08 WIDENED COMMERCIAL ENTRANCE (40') WITH RECONSTRUCTED ADA RAMP
  - 09 REMOTE FIRE DEPARTMENT CONNECTION
  - 10 ADA RAMP PER CITY DETAILS

**LEGAL DESCRIPTION**

ALL OF LOT 1, RICE ACRES, A SUBDIVISION IN THE CITY OF LEE'S SUMMIT, JACKSON COUNTY, MISSOURI, TOGETHER WITH ALL THAT PART OF AN UNPLATTED TRAC T OF LAND, ALL LYING IN THE NORTHEAST QUARTER OF SECTION 29, TOWNSHIP 48 NORTH, RANGE 31 WEST, DESCRIBED BY TIMOTHY BLAIR WISWELL, MO-PLS 2009000067, AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF THE NORTHEAST QUARTER OF SECTION 29, TOWNSHIP 48 NORTH, RANGE 31 WEST; THENCE NORTH 88 DEGREES 28 MINUTES 52 SECONDS WEST, ON THE SOUTH LINE OF SAID NORTHEAST QUARTER, A DISTANCE OF 755.18 FEET TO A POINT ON THE SOUTHERLY EXTENSION OF THE WEST LINE OF LOT 1, RICE ACRES, A SUBDIVISION IN THE CITY OF LEE'S SUMMIT, JACKSON COUNTY, MISSOURI; THENCE NORTH 01 DEGREE 23 MINUTES 04 SECONDS EAST, DEPARTING SAID SOUTH LINE, ON SAID SOUTHERLY EXTENSION, A DISTANCE OF 55.66 FEET TO THE SOUTHWEST CORNER OF SAID LOT 1, THE POINT OF BEGINNING; THENCE NORTH 01 DEGREE 23 MINUTES 04 SECONDS EAST, ON SAID WEST LINE, A DISTANCE OF 436.21 FEET TO THE NORTHWEST CORNER OF SAID LOT 1; THENCE SOUTH 88 DEGREES 38 MINUTES 41 SECONDS EAST, ON THE NORTH LINE OF SAID LOT 1 AND ITS EASTERLY EXTENSION, A DISTANCE OF 400.00 FEET TO A POINT; THENCE SOUTH 01 DEGREE 23 MINUTES 04 SECONDS WEST, DEPARTING SAID EASTERLY EXTENSION, A DISTANCE OF 436.21 FEET TO A POINT ON THE EASTERLY EXTENSION OF THE SOUTH LINE OF SAID LOT 1; THENCE NORTH 88 DEGREES 38 MINUTES 41 SECONDS WEST, ON SAID EASTERLY EXTENSION AND ON SAID SOUTH LINE, A DISTANCE OF 400.00 FEET TO THE POINT OF BEGINNING, CONTAINING 174,485 SQUARE FEET OR 4.0056 ACRES, MORE OR LESS.

**SAPP DESIGN ARCHITECTS**  
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 Springfield, MO 65804 417.877.9600

Sapp Design Associates Architects, P.C.  
 Missouri State Certificate of Authority #0020607

**helix.**

1629 Walnut  
 Kansas City, MO 64108 816.300.0300

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Mid-Continent Public Library  
 PRELIMINARY DEVELOPMENT PLANS FOR  
**COLBERN ROAD BRANCH**  
 1000 N.E. COLBERN ROAD  
 LEE'S SUMMIT, MO 64086  
 JACKSON COUNTY

PACKAGE **10**

Engineer of Record  
 PRELIMINARY DEVELOPMENT PLAN  
 NOT FOR CONSTRUCTION  
 12.10.19

Terry M Parsons, Engineer MO PE-2018010505

**olsson**  
 7301 West 133rd Street, Suite 200  
 Overland Park, KS 66213  
 TEL 913.381.1170  
 FAX 913.381.1174  
 www.olssonassociates.com

Olsson  
 Missouri State Certificate of Authority #001592

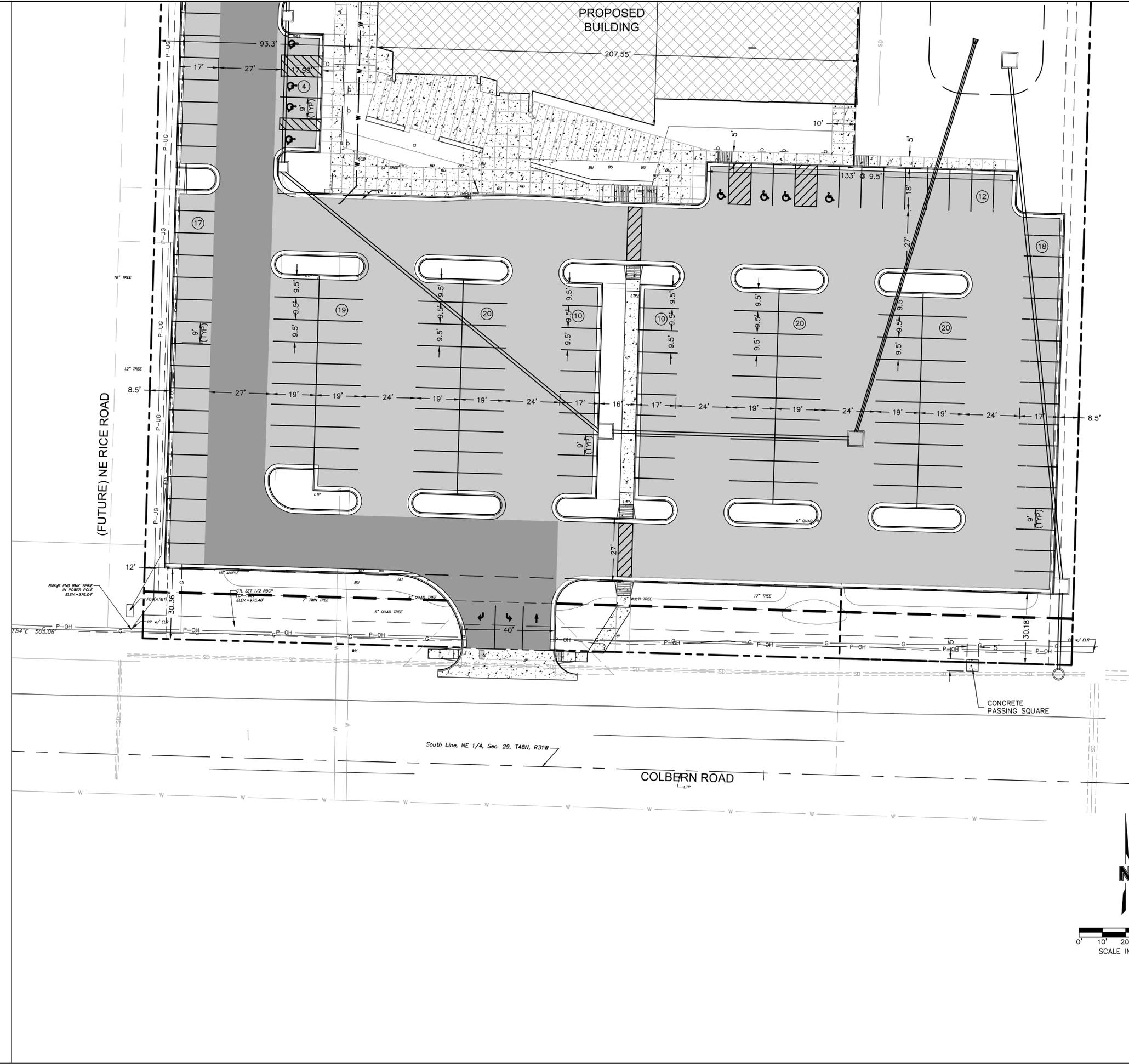
Revision No.	Description	Date

Project No.	Date	Drawn
B18-0330	09-18-18	KDP

Drawing No. **C2**  
**GENERAL LAYOUT PLAN**

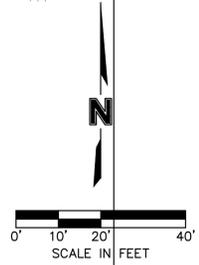
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- EXISTING CONDITIONS LEGEND**
- PROPERTY LINES
  - EASEMENT LINES
  - P-OH — OVERHEAD ELECTRIC
  - P-UG — UNDERGROUND ELECTRIC
  - TEL — UNDERGROUND TELEPHONE
  - FO — UNDERGROUND FIBER OPTIC
  - G — GAS LINE
  - W — WATER LINE
  - SD — STORM SEWER LINE
  - SS — SANITARY SEWER LINE
  - - - 85' — EXISTING GRADE CONTOURS

- PROPOSED CONDITIONS LEGEND**
- E — PROPOSED UNDERGROUND ELECTRIC
  - FO — PROPOSED FIBER OPTIC
  - W — PROPOSED WATER LINE
  - FP — PROPOSED FIRE PROTECTION LINE
  - SD — PROPOSED STORM SEWER LINE
  - SS — PROPOSED SANITARY SEWER SERVICE
  - L — CONCRETE CURB & GUTTER
  - [Hatched Box] — PROPOSED BUILDING
  - [Dotted Box] — PROPOSED CONCRETE SIDEWALK
  - [Light Gray Box] — PROPOSED LIGHT DUTY ASPHALT
  - [Dashed Box] — PROPOSED DETENTION BASIN
  - - - 85' — PROPOSED GRADE CONTOURS



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Sapp Design Associates Architects, P.C.  
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 Kansas City, MO 64108 816.300.0300

**SPECIAL NOTICES**

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Mid-Continent Public Library  
 PRELIMINARY DEVELOPMENT PLANS FOR  
**COLBERN ROAD BRANCH**  
 1000 N.E. COLBERN ROAD  
 LEE'S SUMMIT, MO 64086  
 JACKSON COUNTY

PACKAGE **10**

Engineer of Record  
**PRELIMINARY DEVELOPMENT PLAN**  
 NOT FOR CONSTRUCTION  
 12.10.19

Terry M Parsons, Engineer MO PE-2018010505

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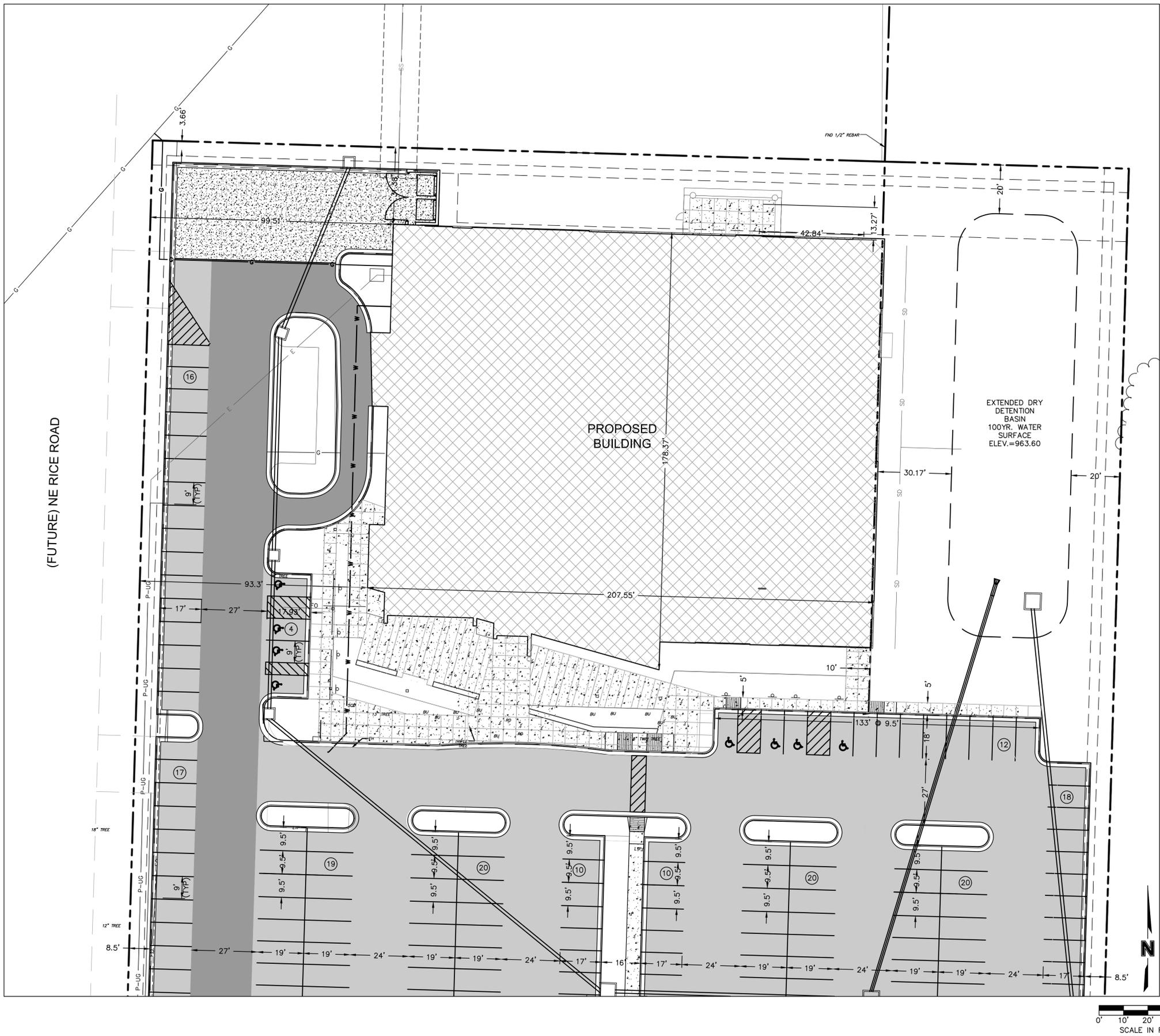
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Revision No.	Description	Date

Project No.	Date	Drawn
B18-0330	09-18-18	KDP

Drawing No.  
**C3**  
**SITE DIMENSION PLAN**

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- EXISTING CONDITIONS LEGEND**
- PROPERTY LINES
  - - - EASEMENT LINES
  - P-OH OVERHEAD ELECTRIC
  - P-UG UNDERGROUND ELECTRIC
  - TEL UNDERGROUND TELEPHONE
  - FO UNDERGROUND FIBER OPTIC
  - G GAS LINE
  - W WATER LINE
  - SD STORM SEWER LINE
  - SS SANITARY SEWER LINE
  - - - 85' EXISTING GRADE CONTOURS

- PROPOSED CONDITIONS LEGEND**
- E PROPOSED UNDERGROUND ELECTRIC
  - FO PROPOSED FIBER OPTIC
  - W PROPOSED WATER LINE
  - FP PROPOSED FIRE PROTECTION LINE
  - SD PROPOSED STORM SEWER LINE
  - SS PROPOSED SANITARY SEWER SERVICE
  - CONCRETE CURB & GUTTER
  - PROPOSED BUILDING
  - PROPOSED CONCRETE SIDEWALK
  - PROPOSED LIGHT DUTY ASPHALT
  - PROPOSED DETENTION BASIN
  - - - 85' PROPOSED GRADE CONTOURS



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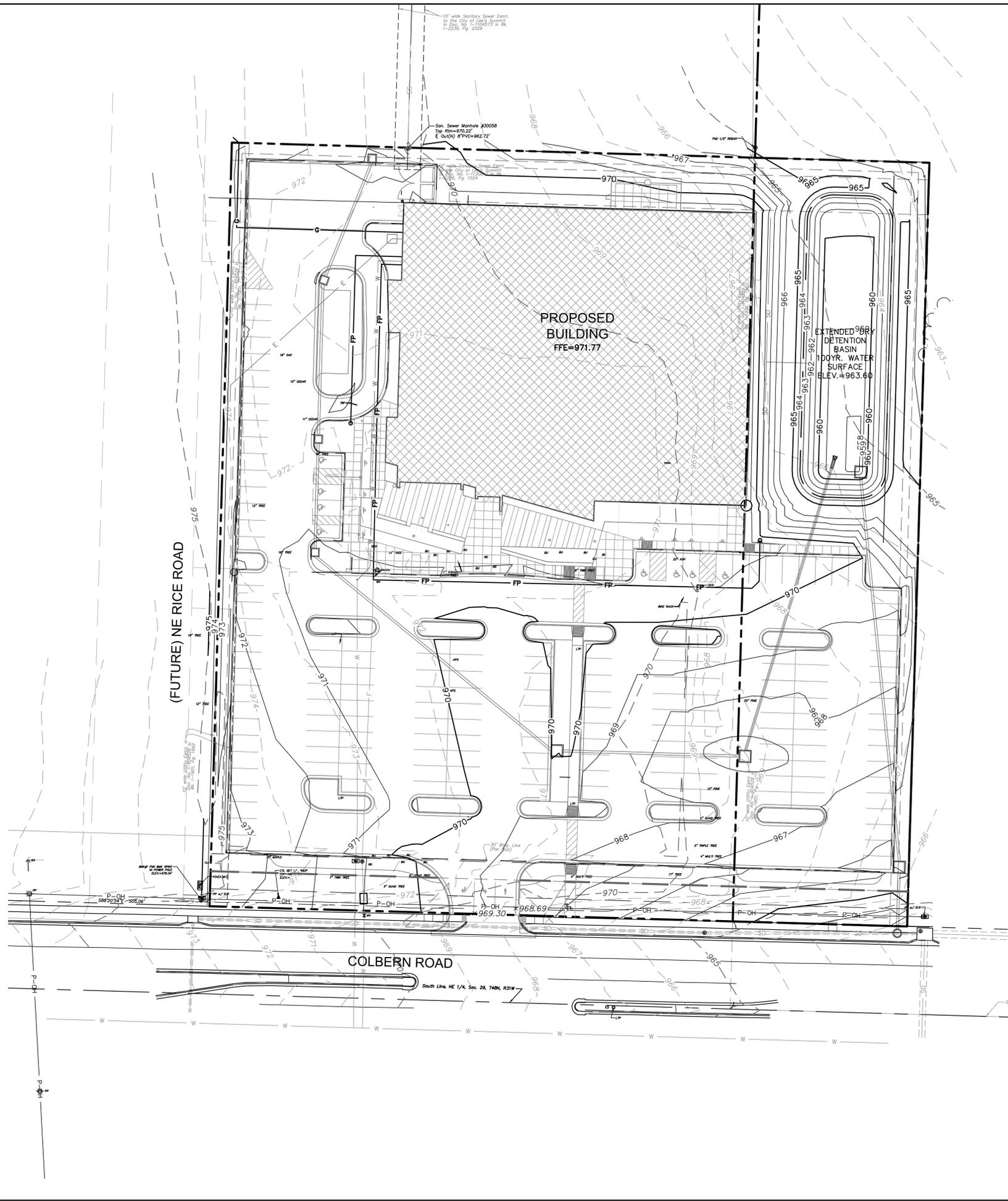
Revision No.	Description	Date

Project No.	Date	Drawn
B18-0330	09-18-18	KDP

Drawing No. **C4**  
**SITE DIMENSION PLAN**

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**EXISTING CONDITIONS LEGEND**

- PROPERTY LINES
- RIGHT-OF-WAY LINES
- EASEMENT LINES
- P-OH OVERHEAD ELECTRIC
- P-UG UNDERGROUND ELECTRIC
- TEL UNDERGROUND TELEPHONE
- FO UNDERGROUND FIBER OPTIC
- G GAS LINE
- W WATER LINE
- SS STORM SEWER LINE
- SS SANITARY SEWER LINE

**PROPOSED CONDITIONS LEGEND**

- E PROPOSED UNDERGROUND ELECTRIC
- FO PROPOSED FIBER OPTIC
- W PROPOSED WATER LINE
- FP PROPOSED FIRE PROTECTION LINE
- SD PROPOSED STORM SEWER LINE
- T PROPOSED TURF DRAIN LINE
- SS PROPOSED SANITARY SEWER SERVICE
- CONCRETE CURB & GUTTER
- PROPOSED BUILDING

**SAPP DESIGN ARCHITECTS**

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PACKAGE  
**10**

Engineer of Record  
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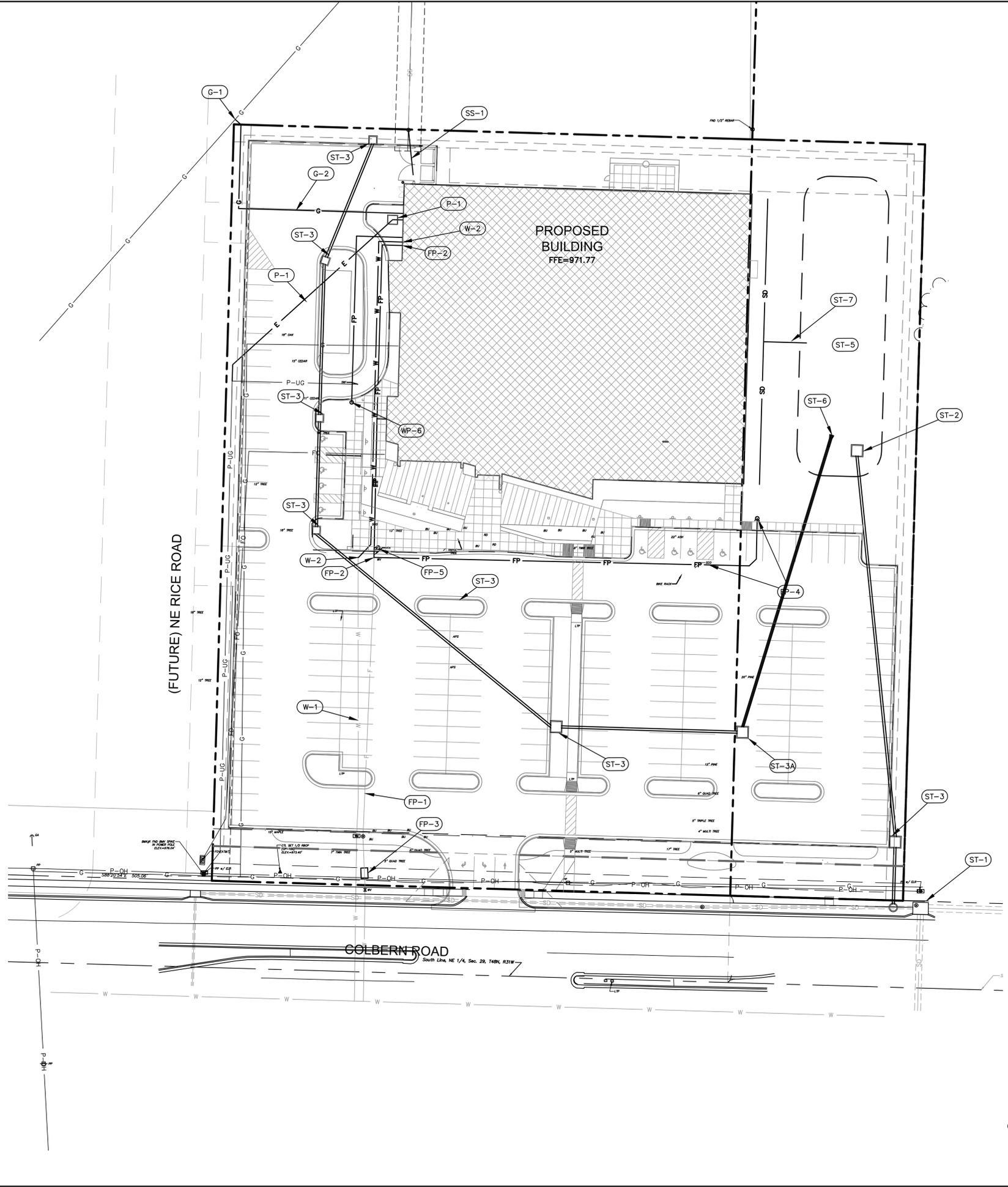
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Revision No.	Description	Date

Project No.	Date	Drawn
B18-0330	09-18-18	KDP

Drawing No.  
**C5**  
 GRADING PLAN

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**EXISTING CONDITIONS LEGEND**

- PROPERTY LINES
- RIGHT-OF-WAY LINES
- EASEMENT LINES
- P-OH OVERHEAD ELECTRIC
- P-UG UNDERGROUND ELECTRIC
- TEL UNDERGROUND TELEPHONE
- FO UNDERGROUND FIBER OPTIC
- G GAS LINE
- W WATER LINE
- SD--- STORM SEWER LINE
- SS--- SANITARY SEWER LINE

**PROPOSED CONDITIONS LEGEND**

- E PROPOSED UNDERGROUND ELECTRIC
- FO PROPOSED FIBER OPTIC
- W PROPOSED WATER LINE
- FP PROPOSED FIRE PROTECTION LINE
- SD PROPOSED STORM SEWER LINE
- T PROPOSED TURF DRAIN LINE
- SS PROPOSED SANITARY SEWER SERVICE
- CONCRETE CURB & GUTTER
- PROPOSED BUILDING

**UTILITY KEYNOTES:**

- WATER
- W-1 EXISTING 2" SERVICE LINE TO REMAIN
  - W-2 EXTEND 2" EXISTING SERVICE TO PROPOSED BUILDING
- FIRE PROTECTION
- FP-1 EXISTING 6" FIRE SERVICE TO REMAIN
  - FP-2 EXTEND 6" FIRE SERVICE LINE TO PROPOSED BUILDING
  - FP-3 INSTALL BACK FLOW PREVENTOR ON EXISTING FIRE PROTECTION LINE
  - FP-4 INSTALL 6" FIRE LINE W/ HYDRANT
  - FP-5 RELOCATE EXISTING HYDRANT
  - FP-6 FIRE DEPARTMENT CONNECTION (4" STORZ FITTING)
- SANITARY SEWER
- SS-1 INSTALL 4" PVC SERVICE LINE TO PROPOSED BUILDING
- STORM SEWER
- ST-1 CONNECT TO EXISTING CURB INLET
  - ST-2 CONSTRUCT CONTROL STRUCTURE
  - ST-3 CONSTRUCT CURB INLET
  - ST-3A CONSTRUCT GRATE INLET
  - ST-4 CONSTRUCT STD 4' DIAM MANHOLE
  - ST-5 EXTENDED DRY DETENTION BASIN
  - ST-6 INSTALL STD 24" FLARED END SECTION
  - ST-7 ROOF DRAINS TO DETENTION BASIN
- POWER
- P-1 PRIMARY SERVICE --COORDINATE WITH EVERGY.
  - P-2 PROPOSED TRANFORMER LOCATION COORDINATE WITH EVERGY AND MEP.
- GAS
- G-1 CONNECTION TO EXISTING GAS LINE. COORDINATE WITH ASPIRE.
  - G-2 INSTALL 1 1/2" GAS SERVICE TO PROPOSED BUILDING

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Drawing No.

**C6**  
UTILITY PLAN

