

VIEW FROM E. WASHINGTON AVE LOOKING NORTHEAST



VIEW FROM E. WASHINGTON AVE LOOKING SOUTHWEST



ALLEY AT ADJOINING PROPERTY LINE



VIEW FROM E. MAIN ST. LOOKING NORTHWEST

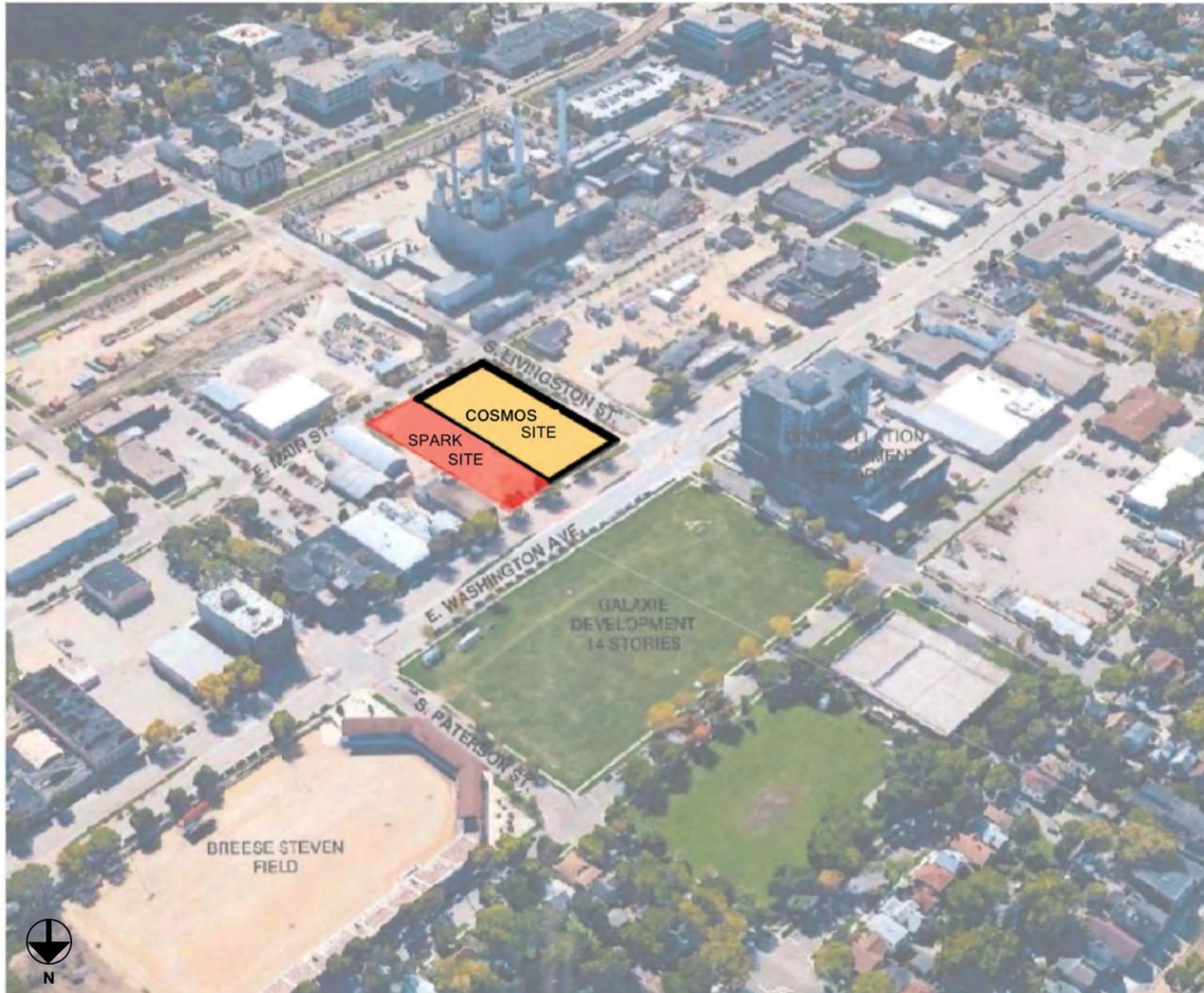


VIEW FROM E. MAIN ST. LOOKING NORTHEAST

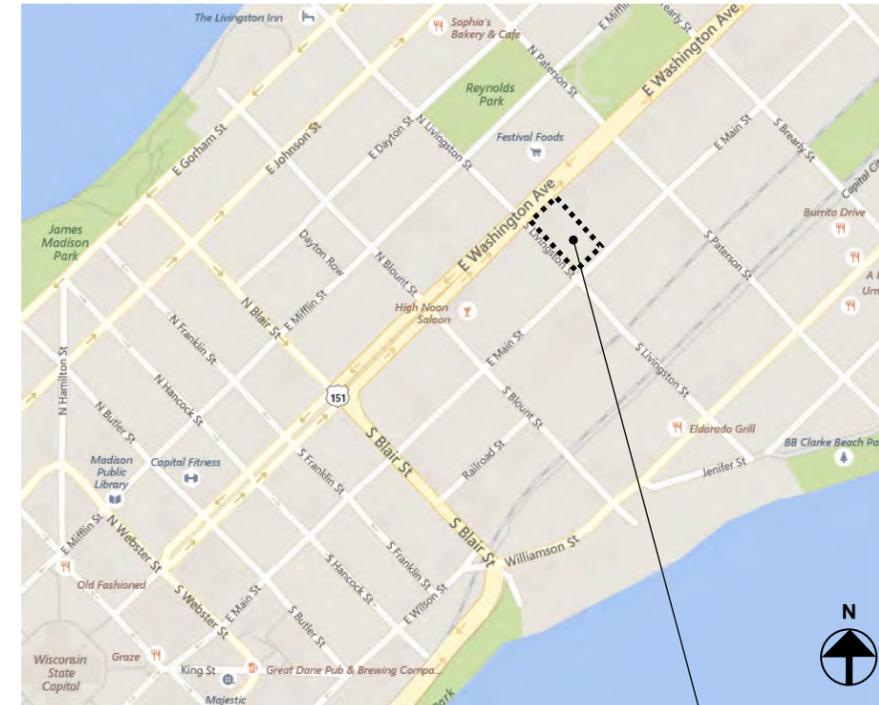


VIEW FROM E. MAIN ST. LOOKING NORTH

SITE PHOTOS



AERIAL PHOTO



SITE LOCATOR MAP

PROJECT LOCATION:
801 E. WASHINGTON AVE.

SHEET INDEX

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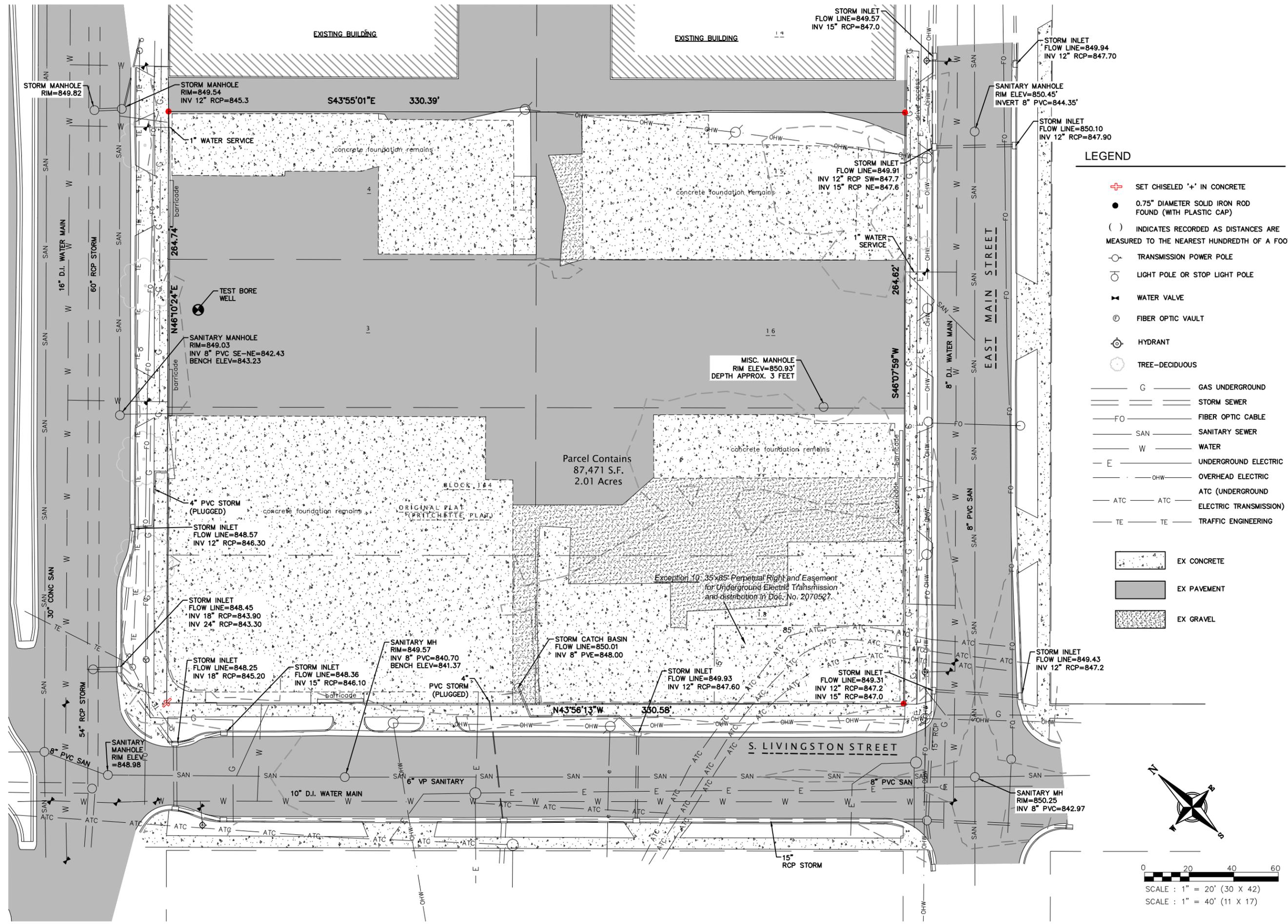
THE COSMOS PROJECT



UDC Submittal

#	DATE	DESCRIPTION

PROJECT MANAGER	RJ
PROJECT NUMBER	1249
DATE	03/01/17



LEGEND

- SET CHISELED '+' IN CONCRETE
- 0.75" DIAMETER SOLID IRON ROD FOUND (WITH PLASTIC CAP)
- INDICATES RECORDED AS DISTANCES ARE MEASURED TO THE NEAREST HUNDREDTH OF A FOOT.
- TRANSMISSION POWER POLE
- LIGHT POLE OR STOP LIGHT POLE
- WATER VALVE
- FIBER OPTIC VAULT
- HYDRANT
- TREE-DECIDUOUS
- G GAS UNDERGROUND
- STORM SEWER
- FO FIBER OPTIC CABLE
- SAN SANITARY SEWER
- W WATER
- E UNDERGROUND ELECTRIC
- OHW OVERHEAD ELECTRIC
- ATC ATC (UNDERGROUND ELECTRIC TRANSMISSION)
- TE TRAFFIC ENGINEERING

- EX CONCRETE
- EX PAVEMENT
- EX GRAVEL



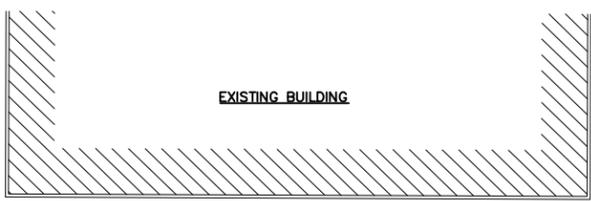
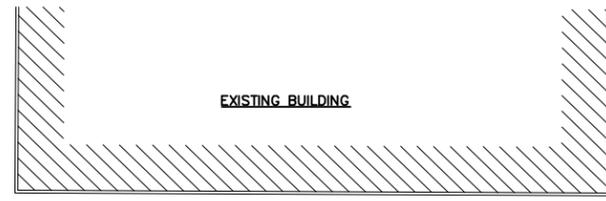
0 20 40 60
SCALE : 1" = 20' (30 X 42)
SCALE : 1" = 40' (11 X 17)



E. WASHINGTON AVENUE

E. MAIN STREET

S. LIVINGSTON STREET

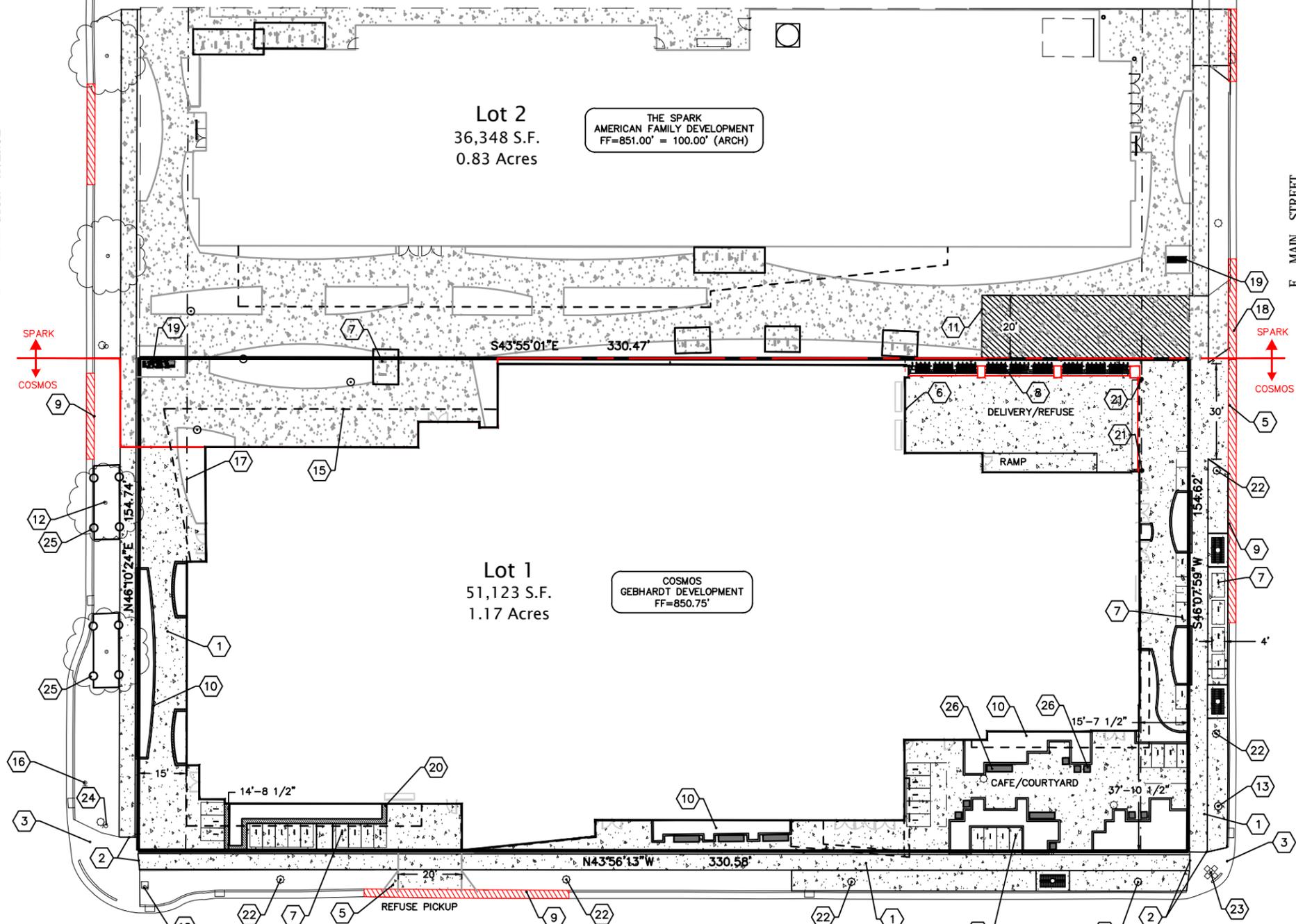


Lot 2
36,348 S.F.
0.83 Acres

THE SPARK
AMERICAN FAMILY DEVELOPMENT
FF=851.00' = 100.00' (ARCH)

Lot 1
51,123 S.F.
1.17 Acres

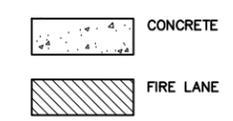
COSMOS
GEBHARDT DEVELOPMENT
FF=850.75'



PLAN KEY

- 1 CONCRETE SIDEWALK, TYP.
- 2 MATCH EXISTING SIDEWALK, TYP.
- 3 EXISTING SIDEWALK TO REMAIN, TYP.
- 4 SIDEWALK TO BE 7" THICK IN FIRELANE SECTION
- 5 NEW DRIVEWAY APPROACH SHALL BE IN ACCORDANCE WITH CITY STANDARDS
- 6 LOADING DOCK
- 7 BICYCLE RACK (58 TOTAL STALLS), TYP.
- 8 VERTICAL BICYCLE RACK (50 TOTAL STALLS), TYP.
- 9 EXISTING DRIVEWAY TO BE ABANDONED IN ACCORDANCE WITH CITY STANDARDS W/ CURB REPLACED & TERRACE RESTORED
- 10 LANDSCAPE AREA, TYP. SEE LANDSCAPE PLANS
- 11 FIRE LANE
- 12 EX TREE, TYP.
- 13 EXISTING FIRE HYDRANT
- 14 PROPOSED LOT LINE
- 15 CANOPY/UPPER FLOOR OVERHANG, TYP.
- 16 EXISTING STOP LIGHT
- 17 15' BUILDING SETBACK
- 18 ROLL CURB TO BE PROVIDED FOR FIRE LANE ENTRANCE
- 19 MONUMENT SIGN
- 20 LANDSCAPE PLANTER, SEE LANDSCAPE PLAN
- 21 BOLLARD
- 22 PEDESTRIAN LIGHT (10' HIGH POLE)
- 23 STREET LIGHT (30' HIGH POLE)
- 24 EXISTING STREET LIGHT
- 25 TREE PROTECTION, TYP.
- 26 BENCH, TYP.

PAVEMENT KEY



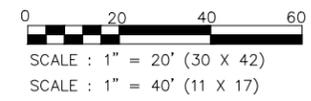
SITE INFORMATION

SITE ADDRESS: 801 EAST WASHINGTON AVENUE

SITE ACREAGE TOTAL:
 LOT 1: 51,123 SQ. FT. (1.17 ACRES)
 LOT 2: 36,348 SQ. FT. (0.83 ACRES)

LOT COVERAGE:
 LOT 1: 43,454 SQ. FT. (85% IMPERVIOUS, INCLUDES VEGETATED ROOF)
 LOT 2: 28,927 SQ. FT. (80% IMPERVIOUS, INCLUDES 3,140 SF VEGETATED ROOF)

NUMBER OF BIKE PARKING STALLS:
 LOT 1: 226 STALLS (58 TRADITIONAL, 50 VERTICAL, 60 INTERIOR, 8 IN RIGHT-OF-WAY, & 50 SHARED IN PLAZA AREA)
 LOT 2: 43 STALLS



6411 Mineral Point Road
Madison, WI 53705
(608) 276 - 9200

818 N Meadowbrook Ln
Waukesha, WI 53597
(608) 849-9378

PROJECT INFORMATION

THE COSMOS

801 E WASHINGTON AVE
MADISON, WI



ISSUANCE AND REVISIONS

UDC Submittal

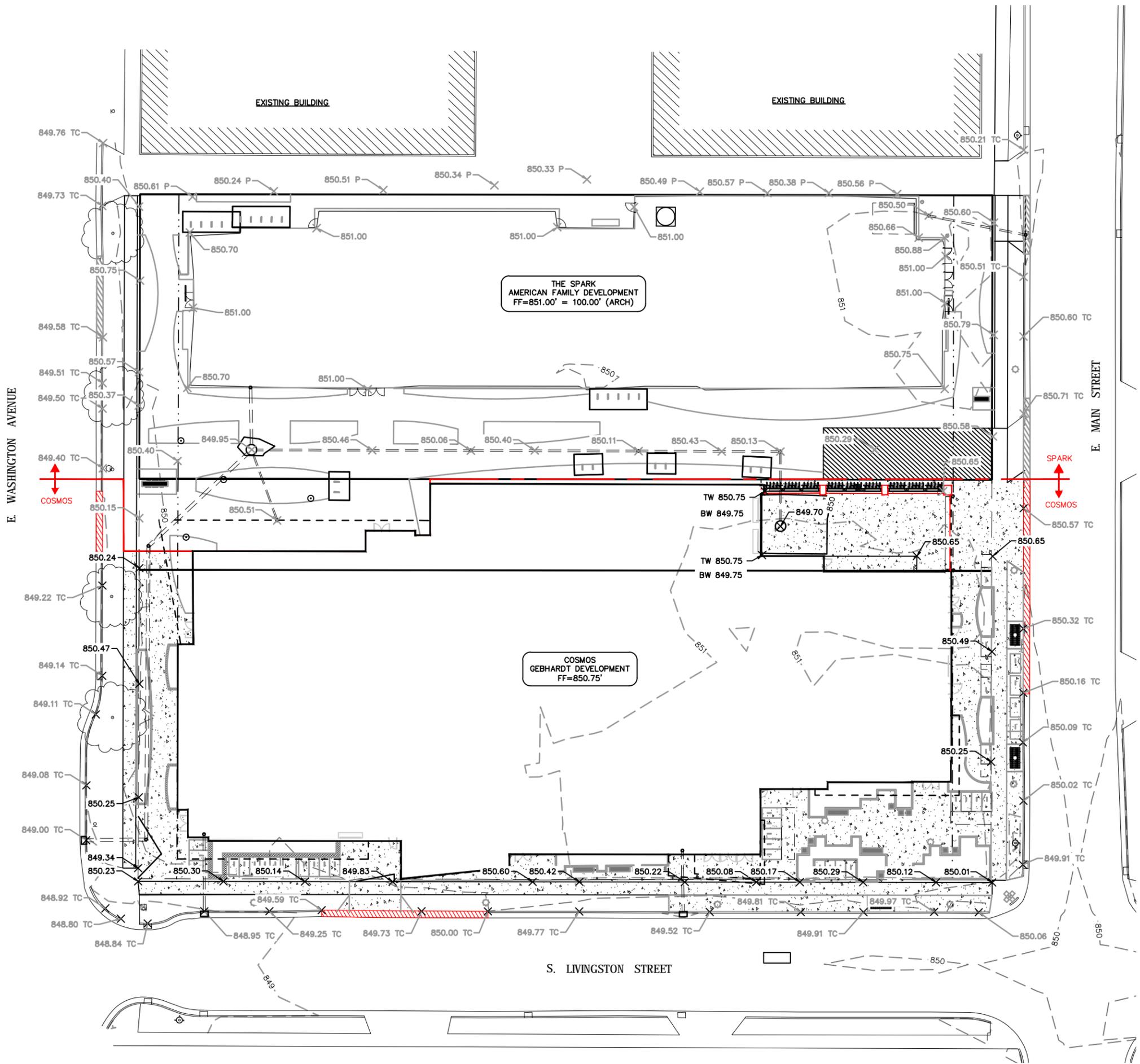
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SHEET INFORMATION

PROJECT MANAGER	RJ
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SITE PLAN

C200



GRADING NOTES

1. ALL WORK IN THE RIGHT OF WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY ISSUED PLANS.
2. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY STANDARDS AND SPECIFICATIONS.
3. CONTRACTOR SHALL CALL DIGGERS HOTLINE PRIOR TO ANY CONSTRUCTION.
4. ALL MATCHING PAVEMENT AND STORM SEWER ELEVATIONS SHALL BE VERIFIED IN THE FIELD TO ALLOW FOR PROPER DRAINAGE.
5. CONTOUR AND SPOT ELEVATIONS SHOWN ARE FINISH GRADE ELEVATIONS.

GRADING LEGEND

- — — — — EXISTING CONTOUR
- — — — — PROPOSED CONTOUR
- × 800.00 TC TOP OF CURB ELEVATION
- × 800.00 TW TOP OF RETAINING WALL ELEVATION
- × 800.00 BW BOTTOM OF RETAINING WALL ELEVATION
- × 800.00 SPOT ELEVATION

PROJECT INFORMATION
THE COSMOS
 801 E WASHINGTON AVE
 MADISON, WI



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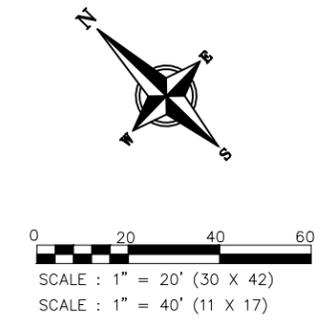
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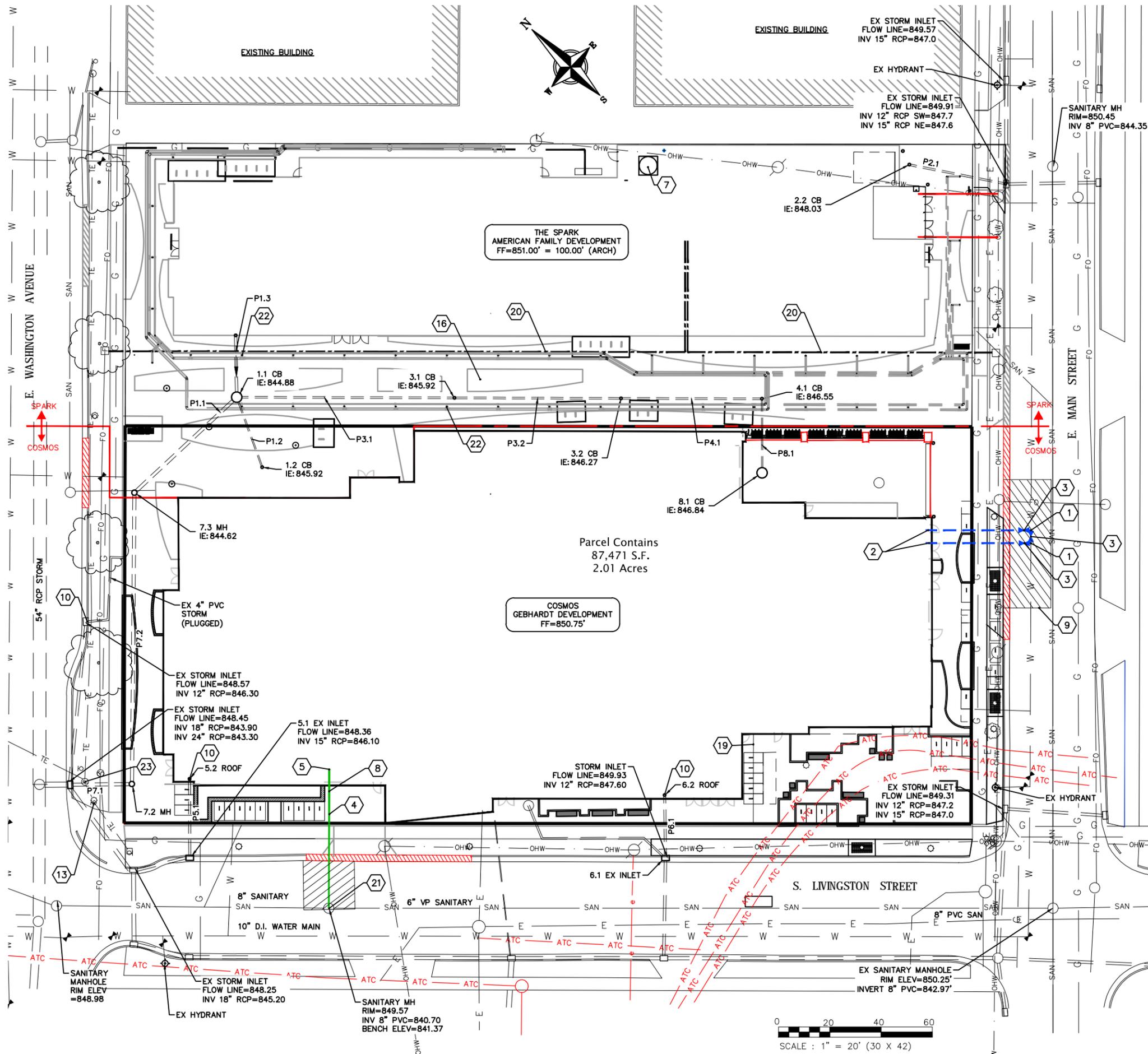
SHEET INFORMATION

PROJECT MANAGER	RJ
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GRADING PLAN

C300





PLAN KEY

- 1 CONNECT TO EXISTING WATER MAIN WITH 8"x8"x8" CUT-IN TEE. COORDINATE INSTALLATION WITH MADISON WATER UTILITY
- 2 8" WATER SERVICE
- 3 8" VALVE
- 4 8" SANITARY LATERAL @ 0.52% MIN. SLOPE
- 5 8" SANITARY INV=844.50'. EXTEND 5 FEET INTO BUILDING
- 6 SANITARY MANHOLE PER CITY REQUIREMENTS, RIM=850.45, INVERT=844.13
- 7 RAINWATER HOLDING TANK
- 8 SEE PLUMBING PLANS FOR CLEAN OUT LOCATION
- 9 UTILITY PATCH PER CITY REQUIREMENTS
- 10 CONNECT TO EXISTING STORM SEWER INLET PER CITY STANDARDS
- 11 CONNECT TO ROOF DRAIN. COORDINATE WORK WITH PLUMBING CONTRACTOR.
- 12 EXISTING 1" WATER SERVICE TO BE ABANDONED
- 13 EXISTING LIGHT POLE
- 14 EXISTING OVERHEAD ELECTRICAL TO BE RELOCATED
- 15 EXISTING POWER POLE TO BE REMOVED
- 16 FOOTING CAP OR FOUNDATIONS
- 17 GAS SERVICE, COORDINATE LOCATION WITH MG&E
- 18 ELECTRIC SERVICE, COORDINATE LOCATION WITH MG&E
- 19 EXCEPTION 10: 35'x85' PERPETUAL RIGHT AND EASEMENT FOR UNDERGROUND ELECTRIC TRANSMISSION AND DISTRIBUTION IN DOC. NO. 2070527.
- 20 TELECOM 4" FIBER/COPPER CONDUIT, COORDINATE LOCATION WITH AT&T
- 21 CONNECT TO EX SANITARY MANHOLE PER CITY REQUIREMENTS, INVERT=841.40
- 22 GEO-EXCHANGE WELL, TYP
- 23 INSTALL STORM UNDER TRAFFIC ENGINEERING VAULT

UTILITY NOTES

1. CONTRACTOR SHALL CALL DIGGERS HOTLINE PRIOR TO ANY CONSTRUCTION. ALL EXISTING UTILITIES SHOWN ON THE PLAN ARE APPROXIMATE AND WERE FIELD LOCATED FROM GROUND MARKING OR BASED OFF OF CITY UTILITY RECORDS. THE LOCATIONS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
2. ALL SITE UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST ADDITION.
3. CONTRACTOR SHALL OBTAIN ALL NECESSARY PLUGGING/CONNECTION PERMITS FROM THE CITY PRIOR TO ANY UTILITY WORK. CONTRACTOR TO NOTIFY THE PUBLIC WORKS DEPARTMENT A MINIMUM OF 48 HOURS BEFORE CONNECTING TO PUBLIC UTILITIES.
4. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A STREET OPENING PERMIT FOR ANY WORK TO BE DONE WITHIN THE RIGHT-OF-WAY.
5. RESTORATION OF PAVEMENT, CURB & GUTTER, AND SIDEWALK WITHIN THE STREET RIGHT OF WAY IS CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF THE UNDERGROUND IMPROVEMENTS.
6. ALL STORM SEWER PIPE TO BE SDR-35 PVC OR SCHEDULE 40 PVC AS NOTED.
7. CONTRACTOR SHALL CONFIRM CONNECTION ELEVATION GRADES OF ALL PIPES PRIOR TO BEGINNING CONSTRUCTION.
8. WATER MAIN SHALL BE DUCTILE IRON, CLASS 52.
9. SANITARY SEWER SERVICES SHALL BE SDR-35 PVC.
10. ANY PERSON WHO INSTALLS A NONCONDUCTIVE WATER OR SEWER LATERAL MUST ALSO INSTALL A LOCATION WIRE OR OTHER EQUALLY EFFECTIVE MEANS FOR MARKING THE LOCATION OF THE LATERAL. METHOD SHALL BE APPROVED BY THE CITY.
11. CONTRACTOR TO COORDINATE NEW, RELOCATED AND/OR ABANDONED GAS, ELECTRIC, TELEPHONE, AND CABLE WITH APPROPRIATE UTILITY COMPANIES.
12. UTILITIES SERVING BUILDINGS SHALL BE STUBBED INTO THE PROPOSED BUILDING(S) A MIN. OF 5' AND STAKED.
13. ALL WATER MAIN PIPE AND FITTINGS SHALL BE INSTALLED TO A MIN. DEPTH OF COVER OF 6.5'. AFTER REGRADING, EXISTING WATER MAIN PIPE WHICH DOES NOT MEET THIS REQUIREMENT SHALL BE INSULATED.
14. STORM SEWERS WHICH CROSS AN ACTIVE SEWER OR WATER MAIN OR LATERAL SHALL HAVE A MINIMUM CLEAR VERTICAL CLEARANCE OF THREE (3) FEET. CROSSINGS WITH LESSER VERTICAL CLEARANCE SHALL BE PROTECTED FROM FROST DAMAGE BY PLACEMENT OF 2-INCH THICK POLYSTYRENE BOARD INSULATION.
15. BUILDING PLUMBER SHALL VERIFY SIZE, SLOPE, AND EXACT LOCATION OF PROPOSED SANITARY LATERALS AND WATER SERVICES PRIOR TO INSTALLATION.

STRANG
 6411 Mineral Point Road
 Madison, WI 53705
 (608) 276-9200

PROFESSIONAL ENGINEERING LLC
 818 N Meadowbrook Ln
 Waunakee, WI 53707
 (608) 849-9378

PROJECT INFORMATION
THE COSMOS
 801 E WASHINGTON AVE
 MADISON, WI



ISSUANCE AND REVISIONS
 UDC Submittal

#	DATE	DESCRIPTION

SHEET INFORMATION

PROJECT MANAGER	RJ
PROJECT NUMBER	1249
DATE	03/01/17

UTILITY PLAN
C400



STRANG

6411 Mineral Point Road
Madison, WI 53705
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818 N Meadowbrook Ln
Waunakee, WI 53597
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STRUCTURE TABLE					
STRUCTURE NAME	SIZE	TOP OF CASTING	PIPES IN	PIPES OUT	CASTING
1.1 CB	4' DIA. CB	849.96	P3.1, 8" INV IN =845.46 P1.3, 12" INV IN =844.88 P1.2, 6" INV IN =845.63	P1.1, 15" INV OUT =844.88	NEENAH R-2050
1.2 CB	12" DIA YARD DRAIN	850.51		P1.2, 6" INV OUT =845.92	12" GRATE
1.3 ROOF	CONNECT TO INTERIOR ROOF DRAIN	850.90		P1.3, 12" INV OUT =845.00	
2.1 EX INLET		849.91	P2.1, 8" INV IN =847.80		
2.2 CB	3' DIA. CB	850.50		P2.1, 8" INV OUT =848.03	NEENAH R-2050
3.1 CB	12" DIA YARD DRAIN	850.06	P3.2, 8" INV IN =845.92	P3.1, 8" INV OUT =845.92	12" GRATE
3.2 CB	12" DIA YARD DRAIN	850.11	P4.1, 8" INV IN =846.27	P3.2, 8" INV OUT =846.27	12" GRATE
4.1 CB	12" DIA YARD DRAIN	850.13	P8.1, 6" INV IN =846.55	P4.1, 8" INV OUT =846.55	12" GRATE
5.1 EX INLET	CONNECT TO EX INLET	847.38	P5.1, 10" INV IN =846.50		
5.2 ROOF	CONNECT TO INTERIOR ROOF DRAIN	850.75		P5.1, 10" INV OUT =846.80	
6.1 EX INLET	CONNECT TO EX INLET	848.58	P6.1, 10" INV IN =847.70		
6.2 ROOF	CONNECT TO INTERIOR ROOF DRAIN	850.75		P6.1, 10" INV OUT =847.82	
7.1 EX INLET	CONNECT TO EX INLET	849.16	P7.1, 15" INV IN =843.90		
7.2 MH	4' DIA. CB	849.87	P7.2, 15" INV IN =844.03	P7.1, 15" INV OUT =844.03	NEENAH R-1550
7.3 MH	4' DIA. CB	850.30	P1.1, 15" INV IN =844.62	P7.2, 15" INV OUT =844.62	NEENAH R-1550
8.1 CB	3' DIA. CB	849.70		P8.1, 6" INV OUT =846.84	NEENAH R-2050

PIPE TABLE						
NAME	SIZE	LENGTH	SLOPE	MATERIAL	START INVERT ELEVATION	END INVERT ELEVATION
P1.1	15"	55'	0.48%	ADS N12	844.88'	844.62'
P1.2	6"	30'	1.00%	ADS N12	845.92'	845.63'
P1.3	12"	25'	0.50%	ADS N12	845.00'	844.88'
P2.1	8"	39'	0.60%	ADS N12	848.03'	847.80'
P3.1	8"	85'	0.54%	ADS N12	845.92'	845.46'
P3.2	8"	65'	0.55%	ADS N12	846.27'	845.92'
P4.1	8"	56'	0.51%	ADS N12	846.55'	846.27'
P5.1	10"	31'	0.98%	ADS N12	846.80'	846.50'
P6.1	10"	25'	0.50%	ADS N12	847.82'	847.70'
P7.1	15"	25'	0.52%	ADS N12	844.03'	843.90'
P7.2	15"	114'	0.52%	ADS N12	844.62'	844.03'
P8.1	6"	29'	0.99%	ADS N12	846.84'	846.55'



PROJECT INFORMATION

THE COSMOS

801 E WASHINGTON AVE
MADISON, WI



ISSUANCE AND REVISIONS

UDC Submittal

#	DATE	DESCRIPTION
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SHEET INFORMATION

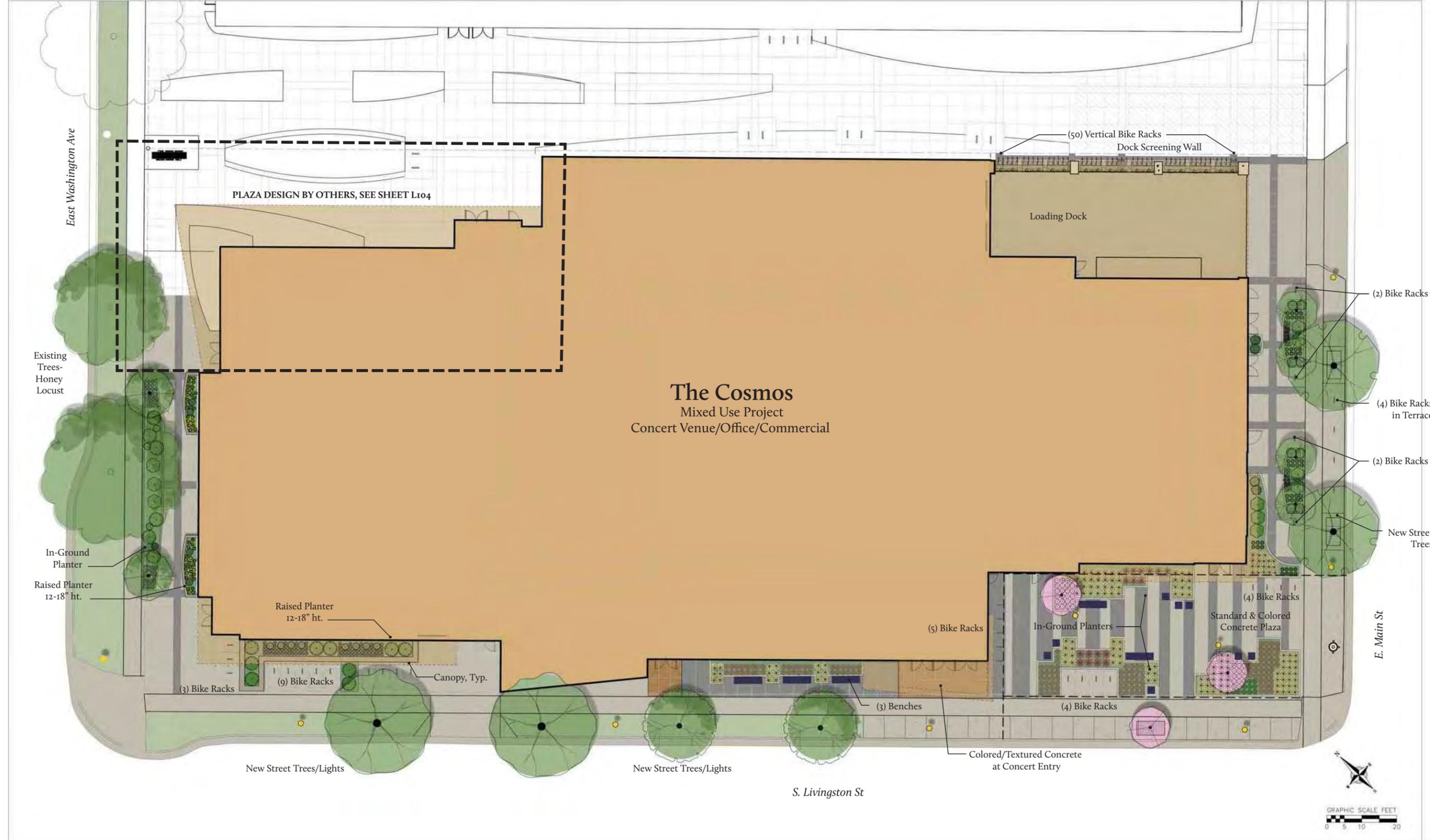
PROJECT MANAGER RJ

PROJECT NUMBER 1249

DATE 03/01/17

SCHEDULES

C500



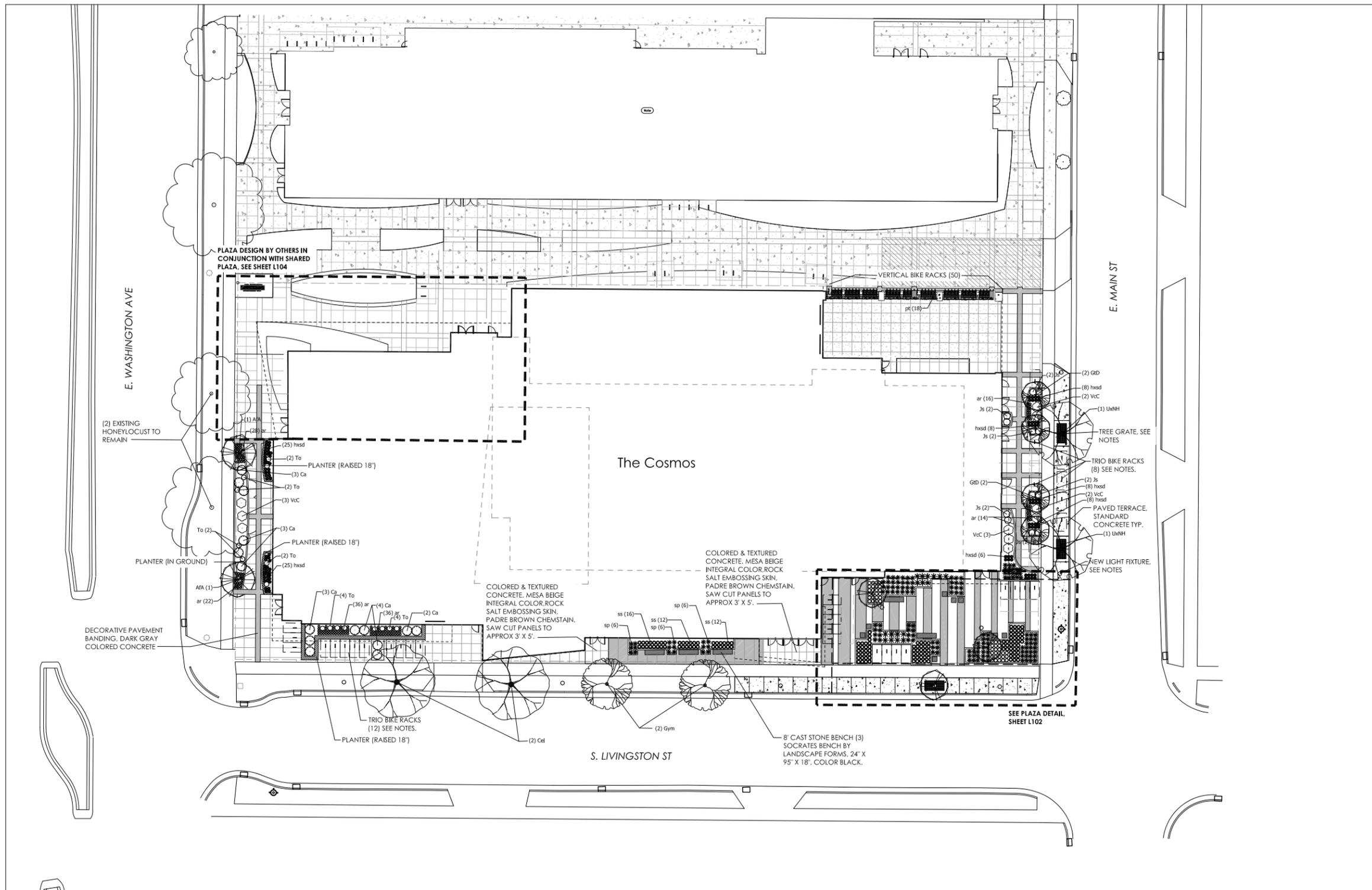
L 100
SITE PLAN RENDERING
Urban Design Commission
03.01.2016





ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

STRANG, INC.
8411 MINERAL POINT ROAD
MADISON, WI 53705-4395



UDC Submittal
(Revised)

NOT FOR
CONSTRUCTION

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CHECKED	RG
DATE	03-01-2017
PROJECT NO.	2016090
PROJECT TITLE	

GEBHARDT
DEVELOPMENT -
THE COSMOS
PROJECT

801 E. WASHINGTON AVENUE
MADISON, WISCONSIN 53703

SHEET NAME
LANDSCAPE PLAN

SHEET NO.

L101

PLANT SCHEDULE

DECIDUOUS TREES	BOTANICAL NAME / COMMON NAME	CONT	CAL	QTY
A/A	Acer x freemanii / Armstrong / Armstrong Freeman Maple	B & B	2.5' Cal	2
Cel	Celtis occidentalis / Chickagland / Common Hackberry	B & B	2" Cal	2
GD	Gleditsia triacanthos / Drives / Street Keeper Honey Locust	B & B	2.5' Cal	4
Gym	Gymnocladus dioica / Espresso / Kentucky Coffeetree	B & B	2" Cal	2
UxNH	Ulmus x 'New Horizon' / New Horizon Elm	B & B	2.5' Cal	2
FLOWERING TREES	BOTANICAL NAME / COMMON NAME	CONT	CAL	QTY
Fyr	Pyrus calleryana / Capital / Capital Callery Pear	B & B	1.5' Cal	3
ANNUALS/PERENNIALS	BOTANICAL NAME / COMMON NAME	SIZE	FIELD2	QTY
ar	Ajuga reptans / Bronze Beauty / Bronze Beauty Bugleweed	4" pot		152
cs	Celastrus scandens / Ballum / Autumn Revolution Bittersweet	1 gal		19
hbsd	3rd Floor Mechanical Screen Planters			
pv	Hemerocallis x 'Stella de Oro' / Stella de Oro Daylily	4" pot		96
pv	Panicum virgatum / Shenandoah / Shenandoah Red Switch Grass	4" pot		17
pl	Parthenocissus tricuspidata / Boston Ivy	1 gal		18
ss	Schizachyrium scoparium / Little Bluestem Grass	4" pot		137
ses	Sesleria autumnalis / Autumn Moor Grass	4" pot		48
sp	Sporobolus heterolepis / Prairie Dropseed	4" pot		147
DECIDUOUS SHRUBS	BOTANICAL NAME / COMMON NAME	SIZE	FIELD2	QTY
Ca	Cotoneaster apiculatus / Cranberry Cotoneaster	3 gal		15
Vcc	Viburnum carlesii / Compactum / Korean Spice Viburnum	3 gal		10
EVERGREEN SHRUBS	BOTANICAL NAME / COMMON NAME	SIZE	FIELD2	QTY
Jx	Juniperus sibirica / Blue Forest / Blue Forest Juniper	3 gal		12
To	Thuja occidentalis / Danica TM / Danica Globe Cedar	5 gal		16

GREEN ROOF PLANT SCHEDULE

GREEN ROOF PLANTS	QTY
5,450 sf	

GREEN ROOF NOTES:
1. GREEN ROOF SYSTEM TO BE PRE-PLANTED TRAY SYSTEM, GREENGRID OR EQUAL. 4.25" DEPTH MIN. PLACE OVER WATERPROOF ROOF MEMBRANE. PROVIDE HOSE BIB CONNECTIONS FOR IRRIGATION.
2. SEE SHEET A202 FOR GREEN ROOF PLANTING AREA LOCATIONS AND DIMENSIONS.

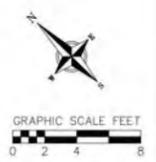
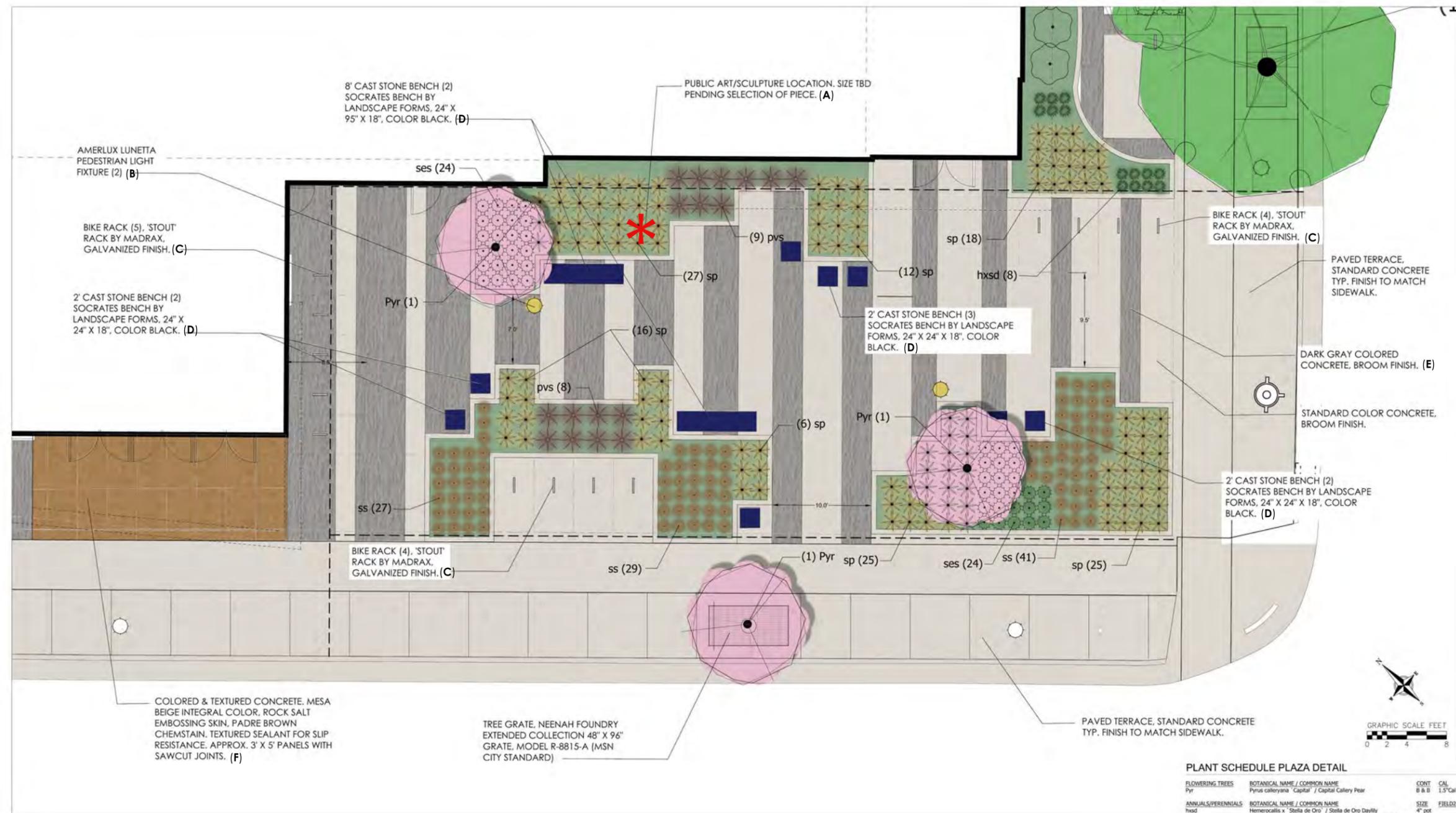
GENERAL NOTES:

- FINAL STREET TREE SPECIES SELECTION AND PLACEMENT TO BE DETERMINED IN COORDINATION WITH CITY FORESTER.
- UNPAVED STREET TERRACES TO BE SODDED WITH TURF SOD.
- NEW STREET LIGHTING TO MATCH ESTABLISHED CITY DESIGN. FINAL LIGHT QUANTITIES AND PLACEMENT TO BE DETERMINED BY CITY PUBLIC WORKS STAFF.
- SITE PAVING TO BE STANDARD COLOR, BROOM FINISHED CONCRETE UNLESS OTHERWISE SPECIFIED.
- ALL GROUND MOUNTED BIKE RACKS OUTSIDE OF PLAZA AREA TO BE 'TRIO' RACK BY FORMS AND SURFACES. IN GROUND MOUNT, ALUMINUM TEXTURE FINISH. INSTALL PER CITY OF MADISON RACK SPACING GUIDELINES (AS SHOWN ON PLAN). VERTICAL BIKE RACKS TO BE SPORTWORKS VERTICAL WALL MOUNT RACK OR SIMILAR.
- TREE GRATES TO BE NEENAH FOUNDRY EXTENDED COLLECTION 48" X 96" GRATE, MODEL R-8815-A.





**ARCHITECTURE
 ENGINEERING
 INTERIOR DESIGN**
 STRANG, INC.
 6411 MINERAL POINT ROAD
 MADISON, WI 53705-4395



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DRAWING SET	DD
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PROJECT NO.	2016090

PLANT SCHEDULE PLAZA DETAIL

FLOWERING TREES	BOTANICAL NAME / COMMON NAME	CONT	CAL
Pyr	<i>Pyrus calleryana</i> 'Capital' / Capital Callery Pear	B & B	1.5' Cal
ANNUALS/PERENNIALS	BOTANICAL NAME / COMMON NAME	SIZE	FIELDS
hxsd	<i>Hemerocallis</i> x 'Stella de Oro' / Stella de Oro Daylily	4" pot	
pvs	<i>Panicum virgatum</i> 'Shenandoah' / Shenandoah Red Switch Grass	4" pot	
ss	<i>Schizachyrium scoparium</i> / Little Bluestem Grass	4" pot	
ses	<i>Setaria autumnalis</i> / Autumn Moor Grass	4" pot	
sp	<i>Sporobolus heterolepis</i> / Prairie Dropseed	4" pot	



**GEBHARDT
 DEVELOPMENT -
 THE COSMOS
 PROJECT**

801 E. WASHINGTON AVENUE
 MADISON, WISCONSIN 53703

SHEET NAME
PLAZA DETAIL

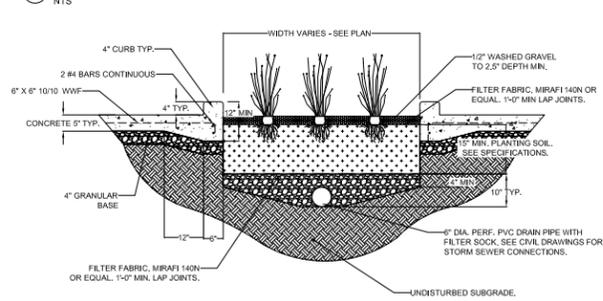
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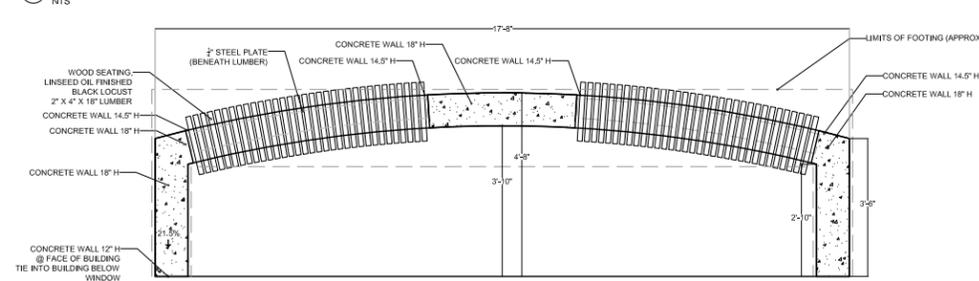
ARCHITECTURE
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6411 MINERAL POINT ROAD
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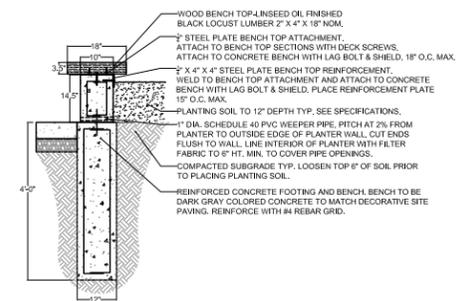
1 IN-GROUND PLANTER DETAIL



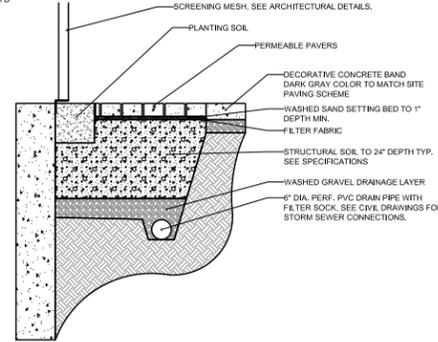
2 RAISED PLANTER/SEAT WALL 'A' DETAIL: PLAN VIEW



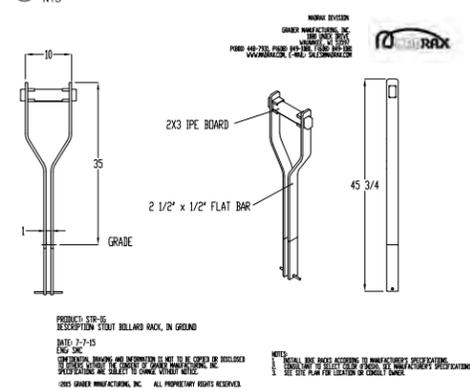
3 RAISED PLANTER/SEAT WALL DETAIL: SECTION VIEW



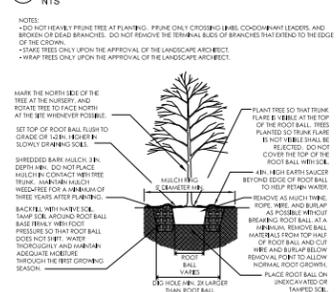
4 POROUS PAVING/SCREENING PLANTER DETAIL



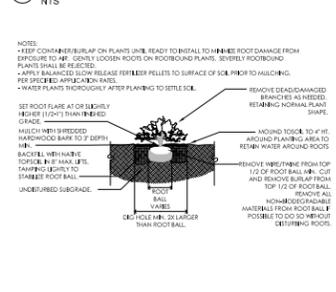
5 STOUT BIKE RACK DETAIL



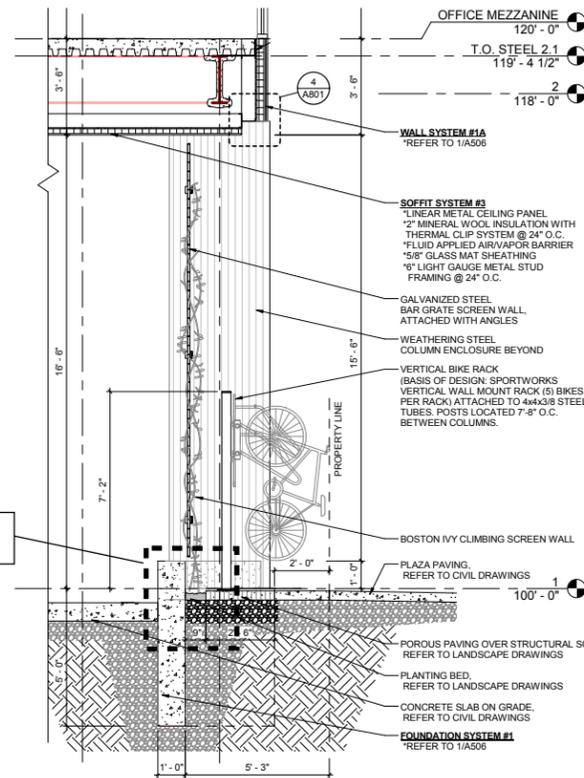
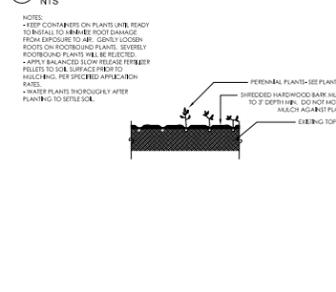
6 TREE PLANTING DETAIL- B&B



7 SHRUB PLANTING DETAIL



8 PERENNIAL PLANTING DETAIL



WALL SECTION AT VERTICAL BIKE PARKING

SCALE: N.T.S.

UDC Submittal
(Revised)

NOT FOR
CONSTRUCTION

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DRAWN		SV
CHECKED		RG
DATE		03-01-2017
PROJECT NO.		2016090
PROJECT TITLE	GEBHARDT DEVELOPMENT - THE COSMOS PROJECT	

SHEET NAME
LANDSCAPE
DETAILS

SHEET NO.

L103





STRANG

**ARCHITECTURE
ENGINEERING
INTERIOR DESIGN**

STRANG, INC.
8411 MINERAL POINT ROAD
MADISON, WI 53705-4395

**UDC Submittal
(Revised)**

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DRAWING SET DD

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CHECKED RG

DATE 03-01-2017

PROJECT NO. 2016090

PROJECT TITLE

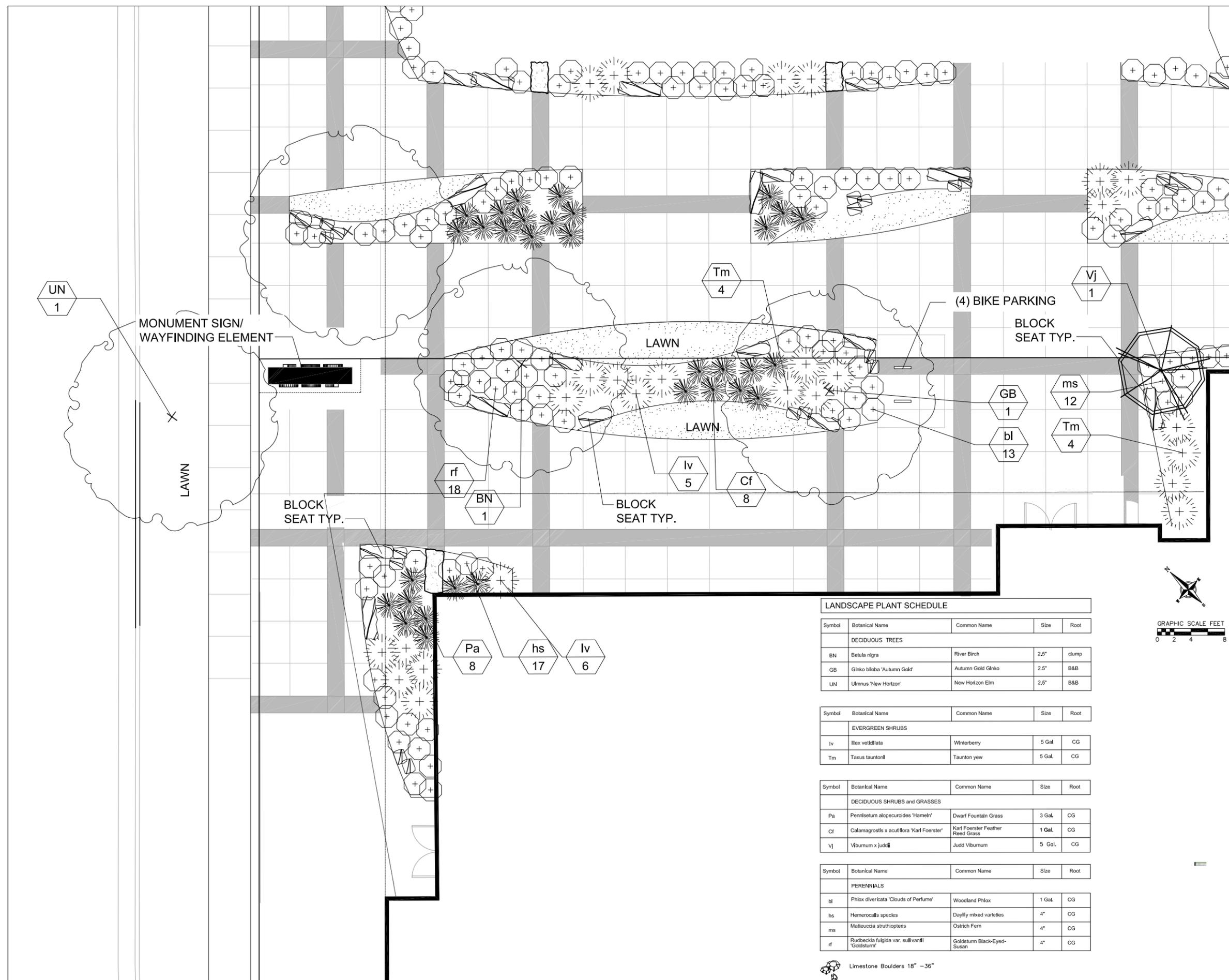
**GEBHARDT
DEVELOPMENT -
THE COSMOS
PROJECT**

801 E. WASHINGTON AVENUE
MADISON, WISCONSIN 53703

SHEET NAME
**SHARED PLAZA
PLAN**

SHEET NO.

L104



LANDSCAPE PLANT SCHEDULE

Symbol	Botanical Name	Common Name	Size	Root
DECIDUOUS TREES				
BN	Betula nigra	River Birch	2.5"	clump
GB	Ginkgo biloba 'Autumn Gold'	Autumn Gold Ginko	2.5"	B&B
UN	Ulmus 'New Horizon'	New Horizon Elm	2.5"	B&B

Symbol	Botanical Name	Common Name	Size	Root
EVERGREEN SHRUBS				
Iv	Ilex verticillata	Winterberry	5 Gal.	CG
Tm	Taxus tauntonii	Taunton yew	5 Gal.	CG

Symbol	Botanical Name	Common Name	Size	Root
DECIDUOUS SHRUBS and GRASSES				
Pa	Pennisetum alopecuroides 'Hameln'	Dwarf Fountain Grass	3 Gal.	CG
Cf	Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	1 Gal.	CG
Vj	Viburnum x juddii	Judd Viburnum	5 Gal.	CG

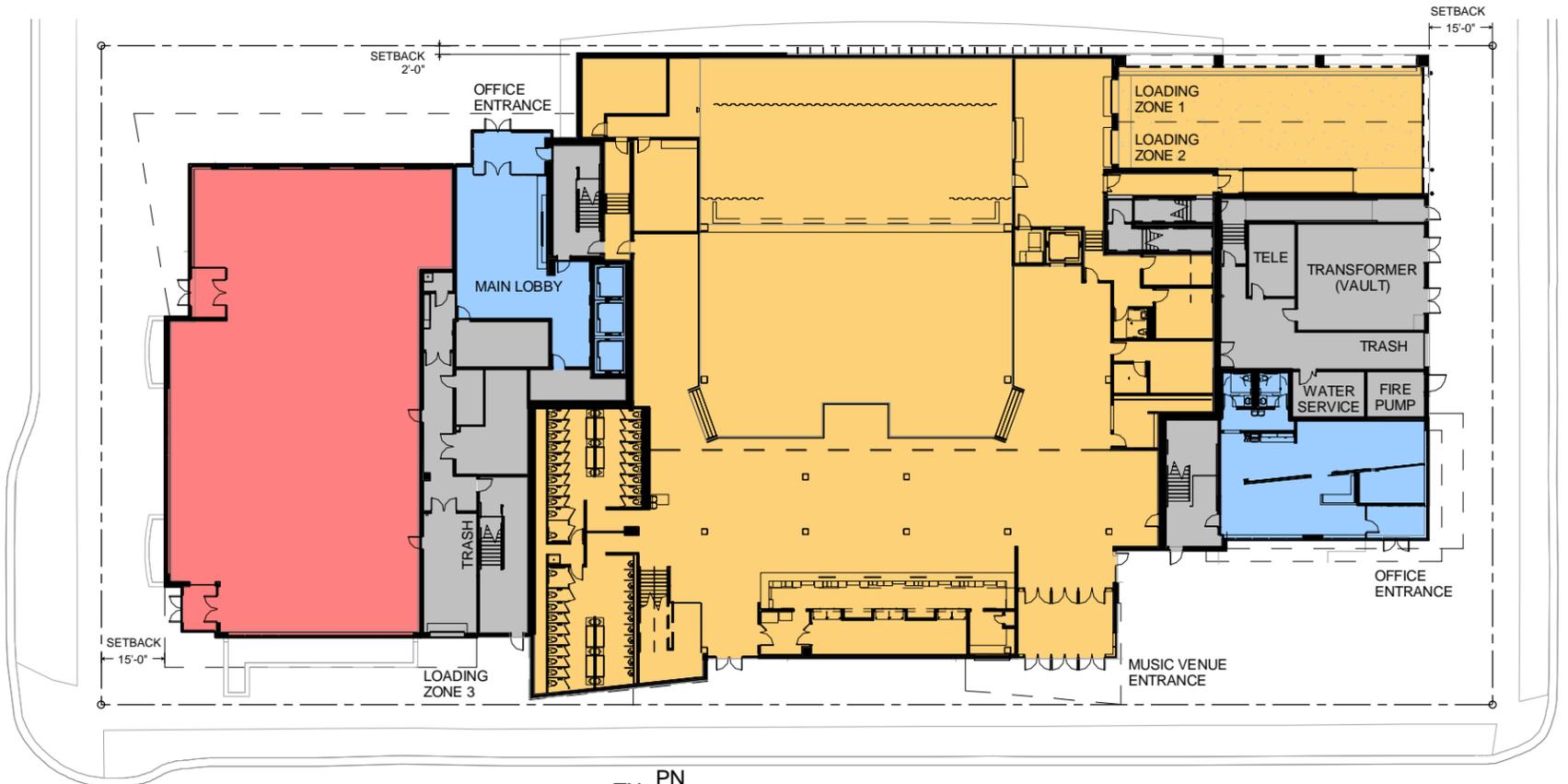
Symbol	Botanical Name	Common Name	Size	Root
PERENNIALS				
bl	Phlox divaricata 'Clouds of Perfume'	Woodland Phlox	1 Gal.	CG
hs	Hemerocallis species	Daylily mixed varieties	4"	CG
ms	Mattuccia struthiopteris	Ostrich Fern	4"	CG
rf	Rudbeckia fulgida var. sullivantii 'Goldsturm'	Goldsturm Black-Eyed-Susan	4"	CG

Limestone Boulders 18" - 36"



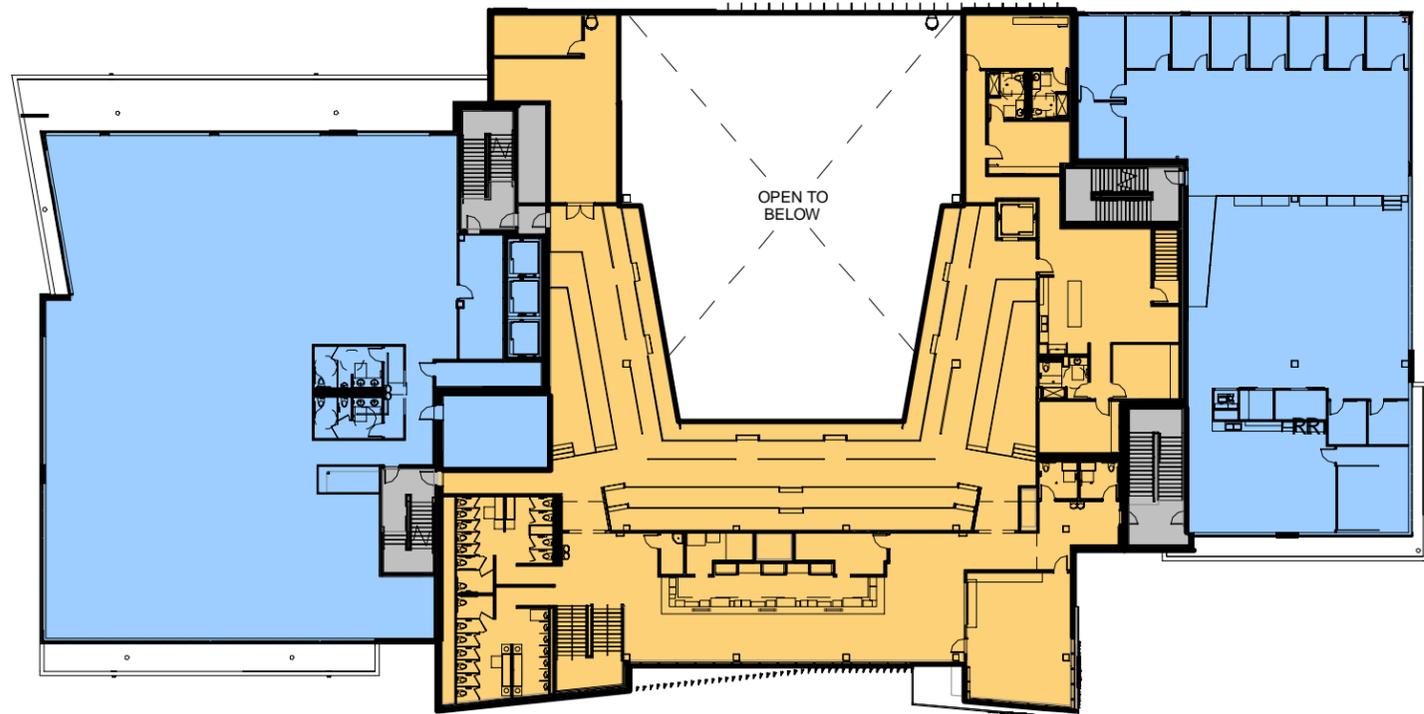
LEGEND	
	RETAIL
	OFFICE
	MUSIC VENUE
	SHARED SPACE

1



TN PN
1
A201
FIRST FLOOR PLAN
SCALE: 1" = 40'-0"
0' 20' 40' 80'

2

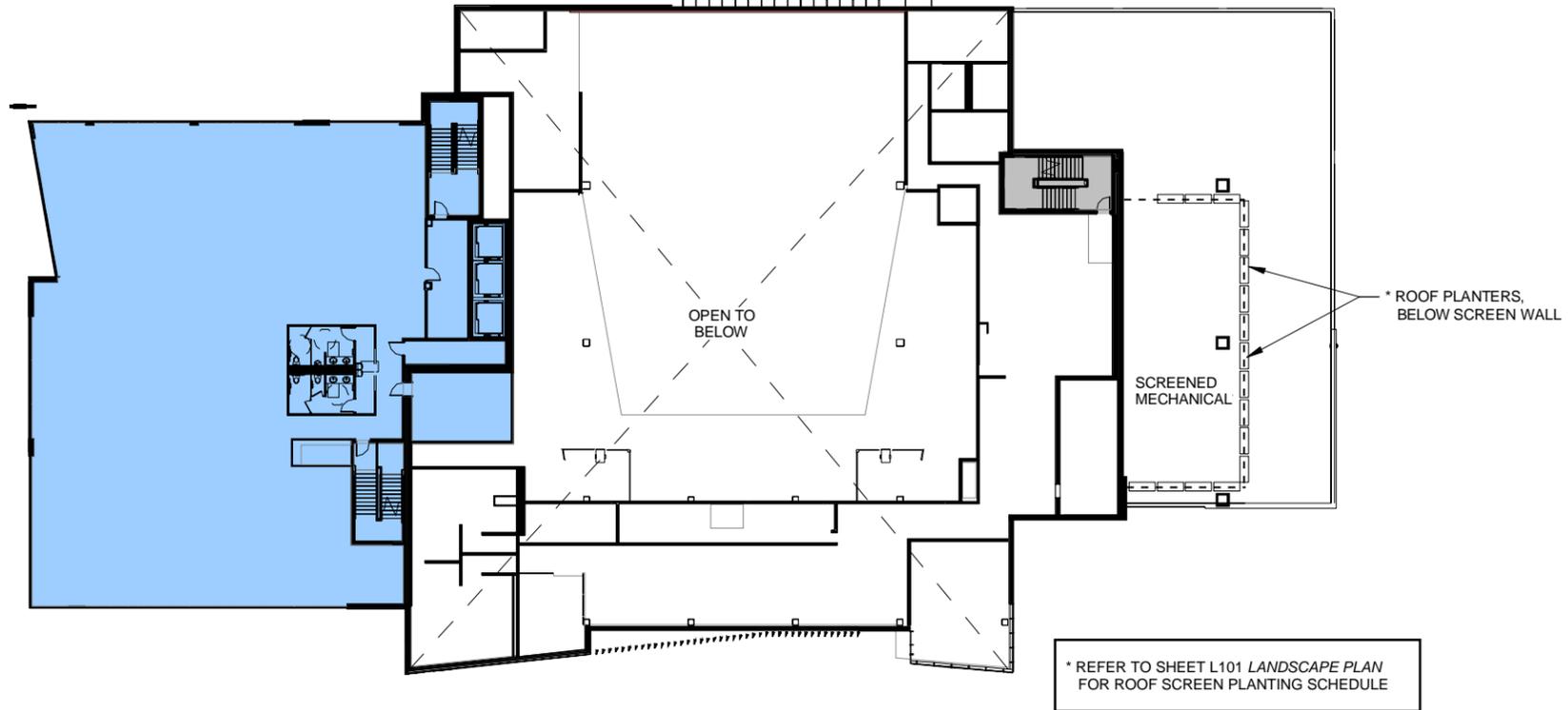


TN PN
2
A201
SECOND FLOOR PLAN
SCALE: 1" = 40'-0"
0' 20' 40' 80'

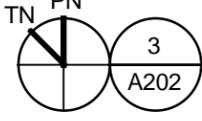


LEGEND	
	RETAIL
	OFFICE
	MUSIC VENUE
	SHARED SPACE
	TERRACE
	GREEN ROOF

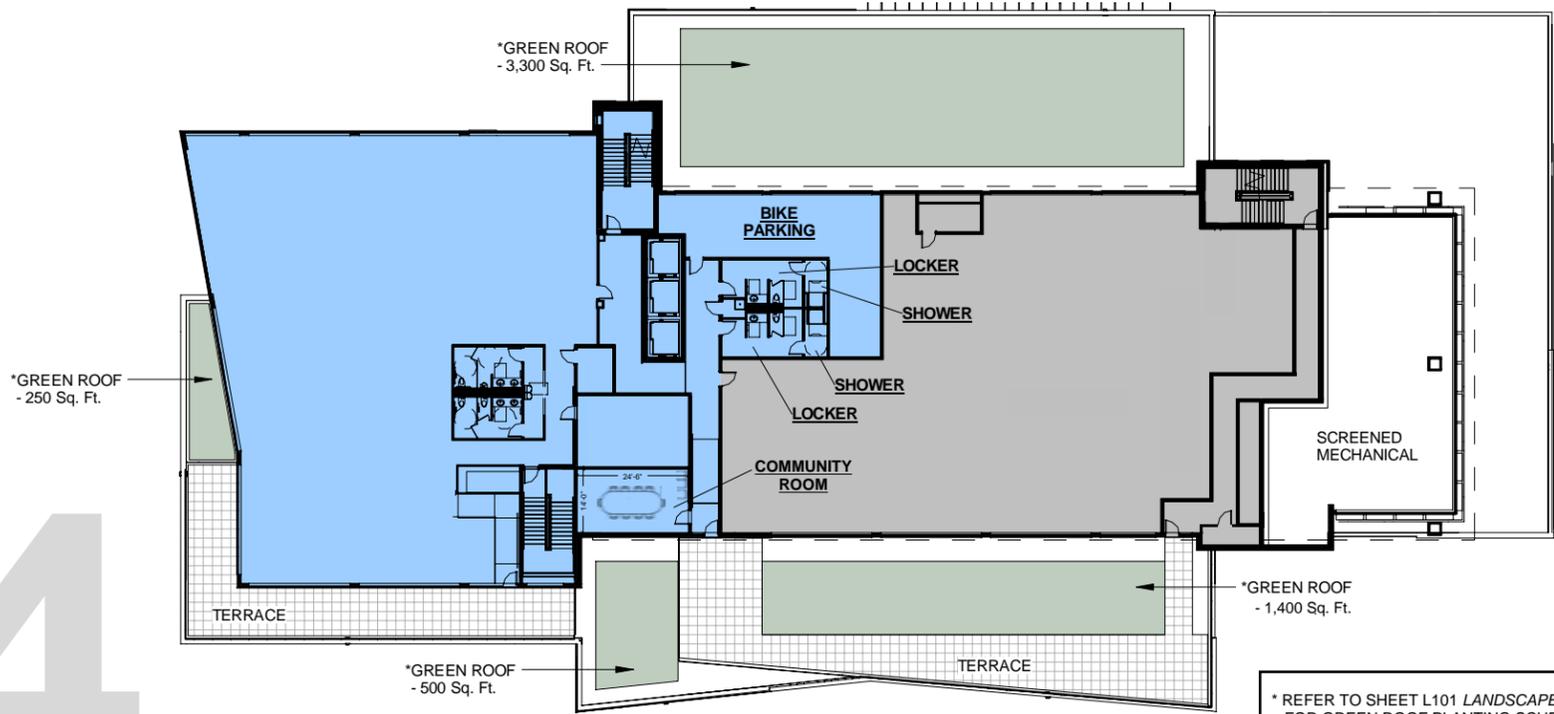
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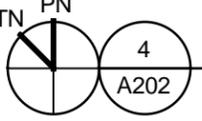
* REFER TO SHEET L101 LANDSCAPE PLAN FOR ROOF SCREEN PLANTING SCHEDULE

TN PN
 3
THIRD FLOOR PLAN
 SCALE: 1" = 40'-0" 0' 20' 40' 80'

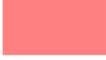
4



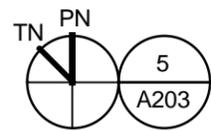
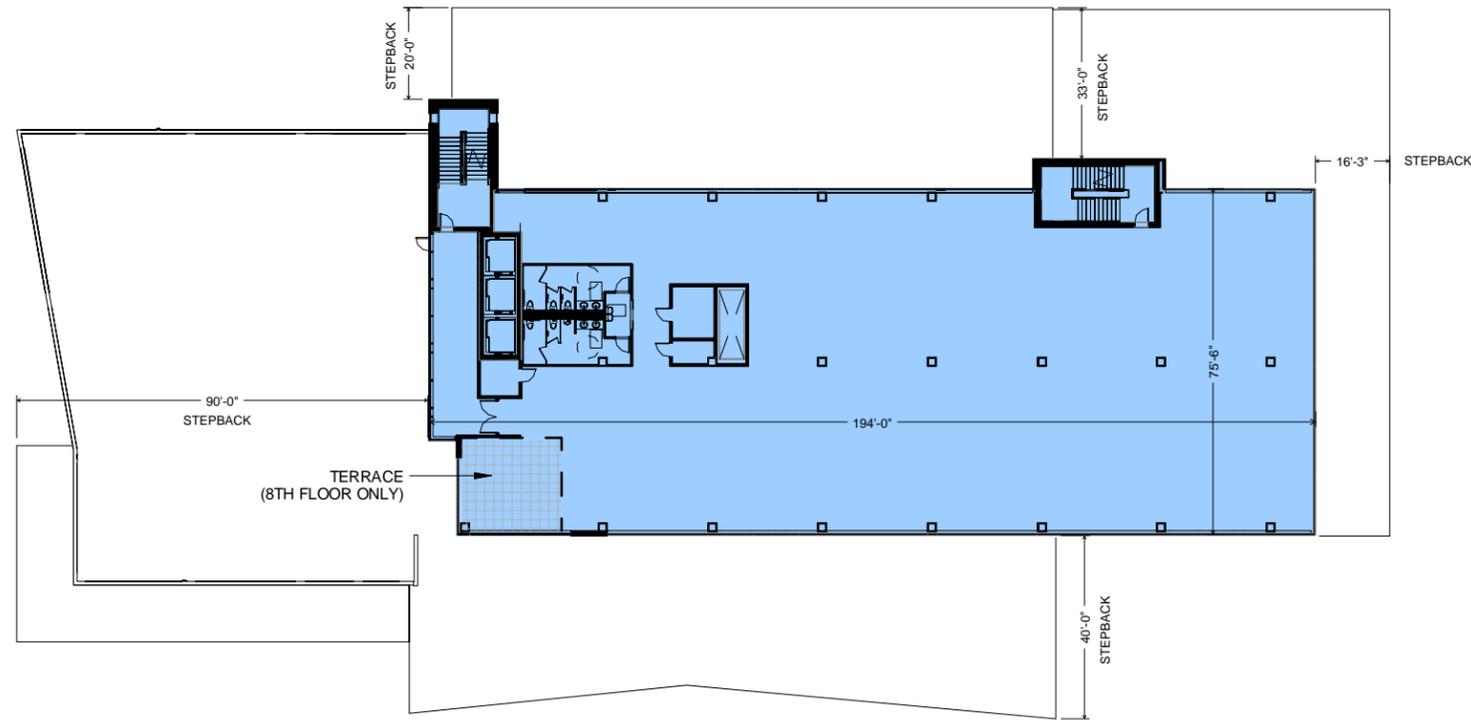
* REFER TO SHEET L101 LANDSCAPE PLAN FOR GREEN ROOF PLANTING SCHEDULE

TN PN
 4
FOURTH FLOOR PLAN
 SCALE: 1" = 40'-0" 0' 20' 40' 80'



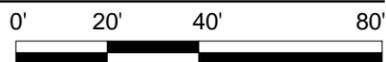
LEGEND	
	RETAIL
	OFFICE
	MUSIC VENUE
	SHARED SPACE
	TERRACE
	GREEN ROOF

5-8



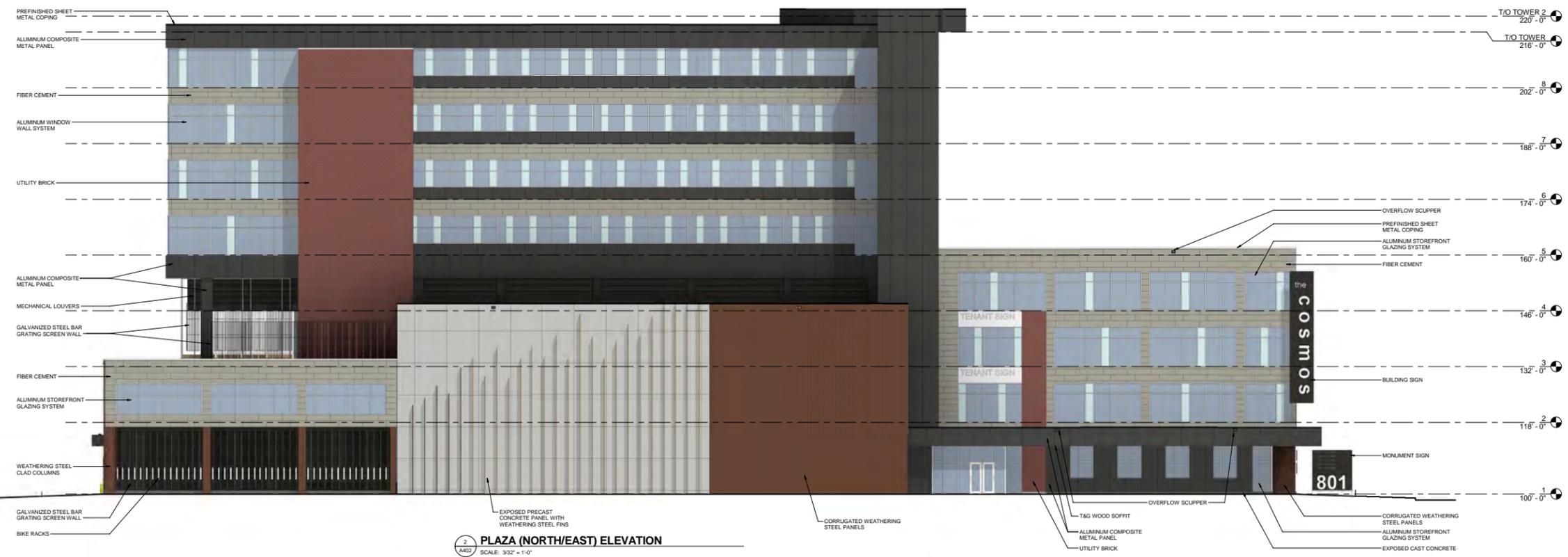
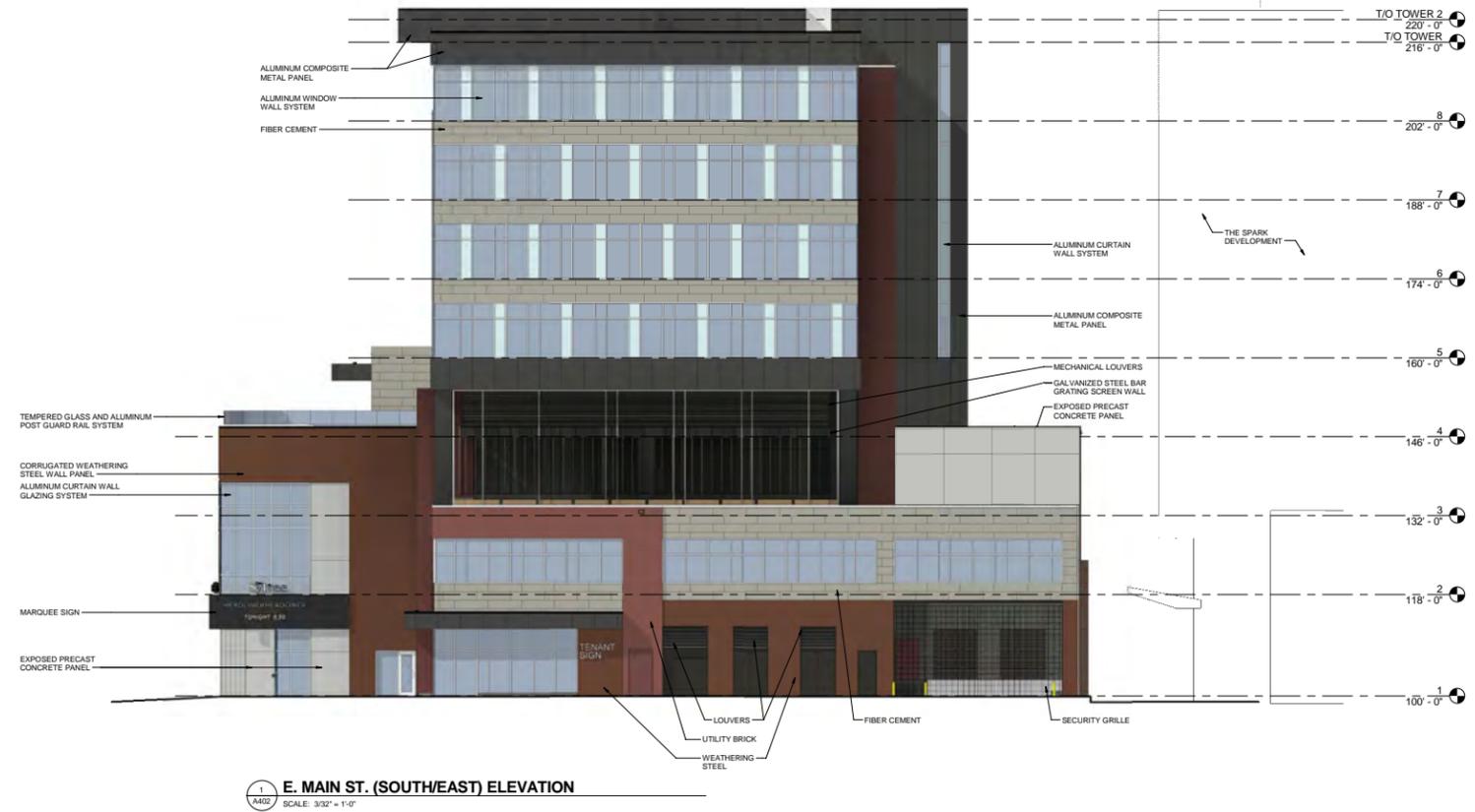
FIFTH THRU EIGHTH FLOOR PLANS

SCALE: 1" = 40'-0"



LEGEND

-  EXPOSED CAST CONCRETE (RUBBED FINISH)
-  EXPOSED PRECAST CONCRETE (TEXTURED FINISH)
-  UTILITY BRICK
-  COMPOSITE METAL PANEL
-  FIBER CEMENT PANEL
-  WEATHERING STEEL PANEL (RIBBED)
-  G-1 GLASS, TRANSPARENT (G-1)
-  G-2 GLASS, FRITTED (G-2)





VIEW FROM E. WASHINGTON AVE. (LOOKING SOUTH-EAST)





VIEW FROM S. LIVINGSTON ST. (LOOKING NORTH-EAST)



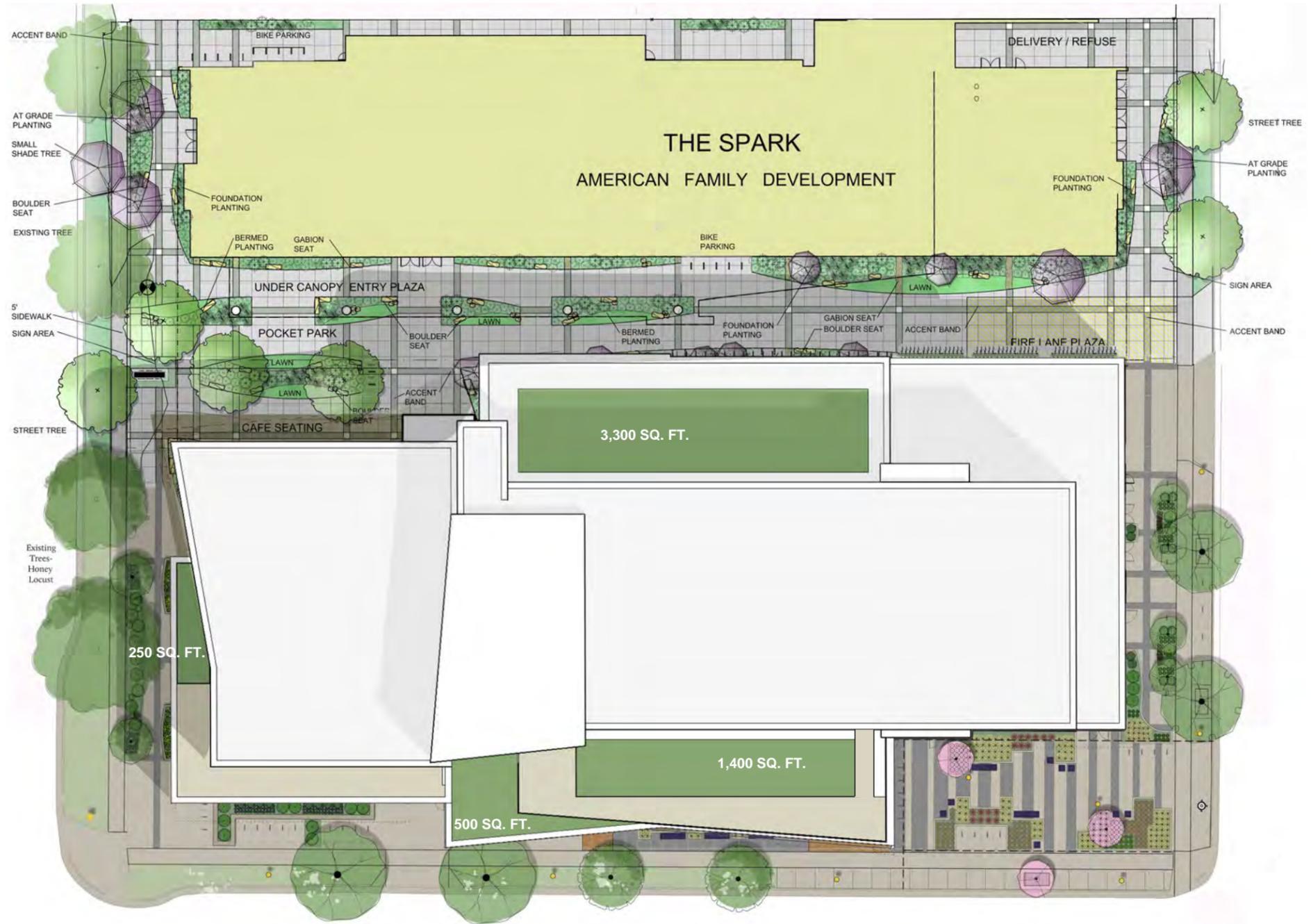


VIEW FROM E. MAIN ST. (LOOKING NORTH-WEST)

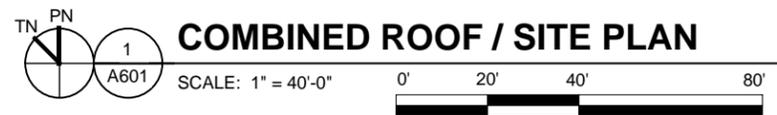




VIEW OF ROOF SCREEN WALL WITH AND WITHOUT VEGETATION



LOT COVERAGE CALCULATION	
SITE ACREAGE TOTAL:	51,123 Sq. Ft. (1.17 Acres)
LOT COVERAGE:	43,454 Sq. Ft.
	85% Impervious (including vegetative roofs)
VEGETATIVE ROOF:	5,420 Sq. Ft. (Minimum required to achieve 85% lot coverage)
	5,450 Sq. Ft. (Vegetative roof provided by the Cosmos project)
TERRACE:	2,750 Sq. Ft.
Refer to sheet L101 LANDSCAPE PLAN for roof planting schedule.	



LOT COVERAGE DIAGRAM



GENERAL NOTES

Shaded portion of elevation and floor plans on sheet A701 represents the requested Bonus Stories / Area.
 Urban Design District #8 makes provisions for Bonus Stories within it's Upper Level Development Standards. See excerpt below.

UPPER LEVEL DEVELOPMENT STANDARDS
 Per UDD#8, MGO Sec 33.24(15)(e)12:

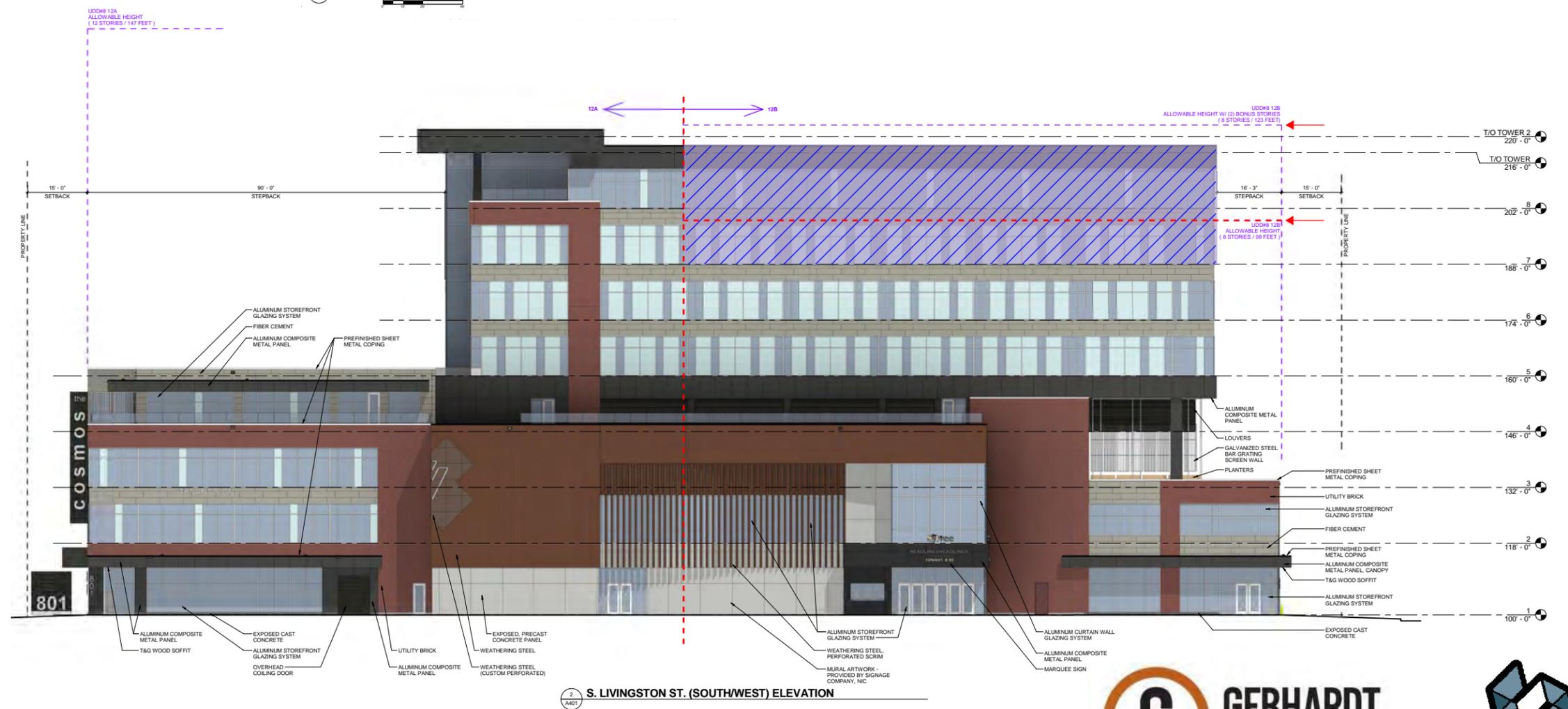
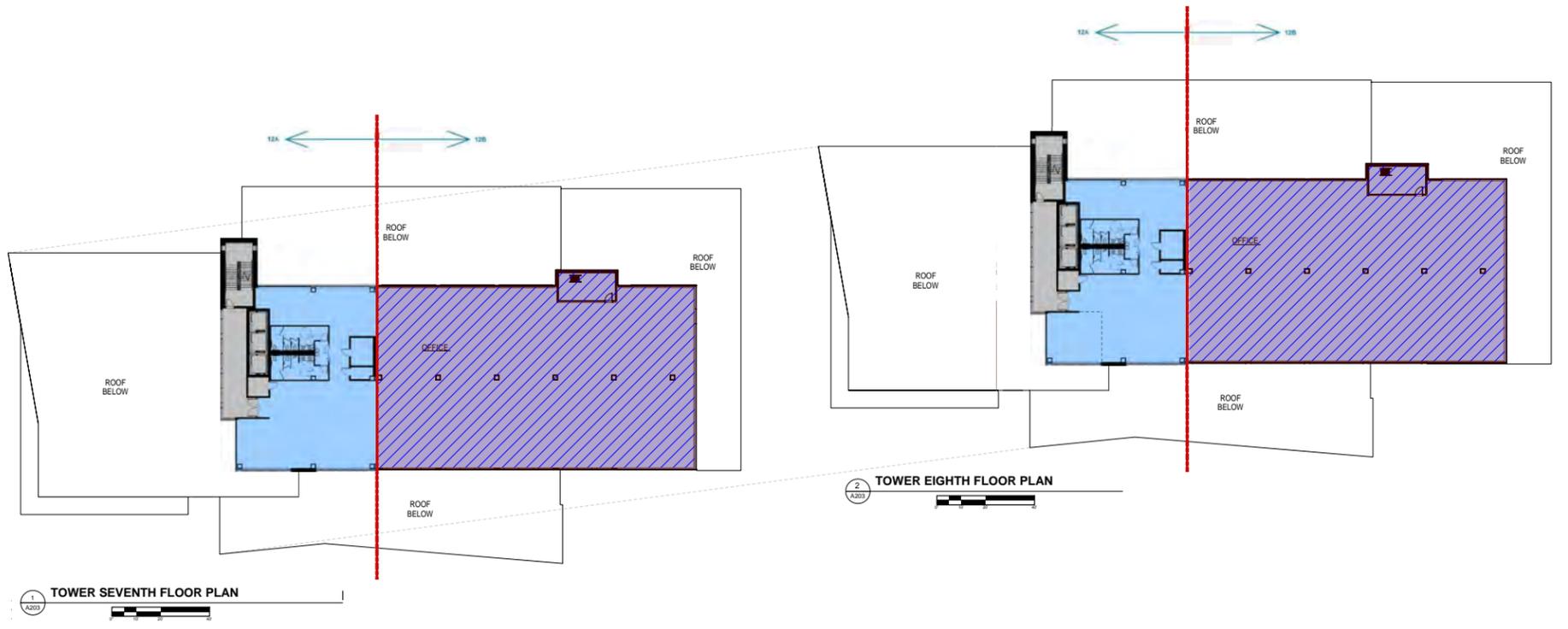
- b. Bonus stories may be allowed as follows:
 - i. Two (2) bonus stories on Block...12b...
- c. Bonus stories may be granted if it is determined that the provisions of at least (1) element from i. or a combination of elements from ii. provides sufficient public benefit to warrant the additional height.
 - i. --On-site, publicly accessible plazas and/or pocket parks that are visible from the street and provide seating, landscaping, public art and/or other public amenities. For each one (1) square foot of plaza or park that is provided, five (5) square feet of bonus area is available.
 - ii. --Mid-block and through-block public pedestrian, bike, and/or vehicular connections.
 - On-site, publicly accessible plazas and/or pocket parks that are visible from the street and provide seating, landscaping, public art and/or other public amenities. For each one (1) square foot of plaza or park that is provided, ten (10) square feet of bonus area is available.
 - Adequately sized community meeting rooms available free of charge for neighborhood, public, or other community meetings...
 - LEED Silver certification of equivalent
 - Minimum of fifty percent (50%) vegetative roof cover.

 Bonus Stories / Bonus Area

REQUESTED BONUS STORIES / BONUS AREA

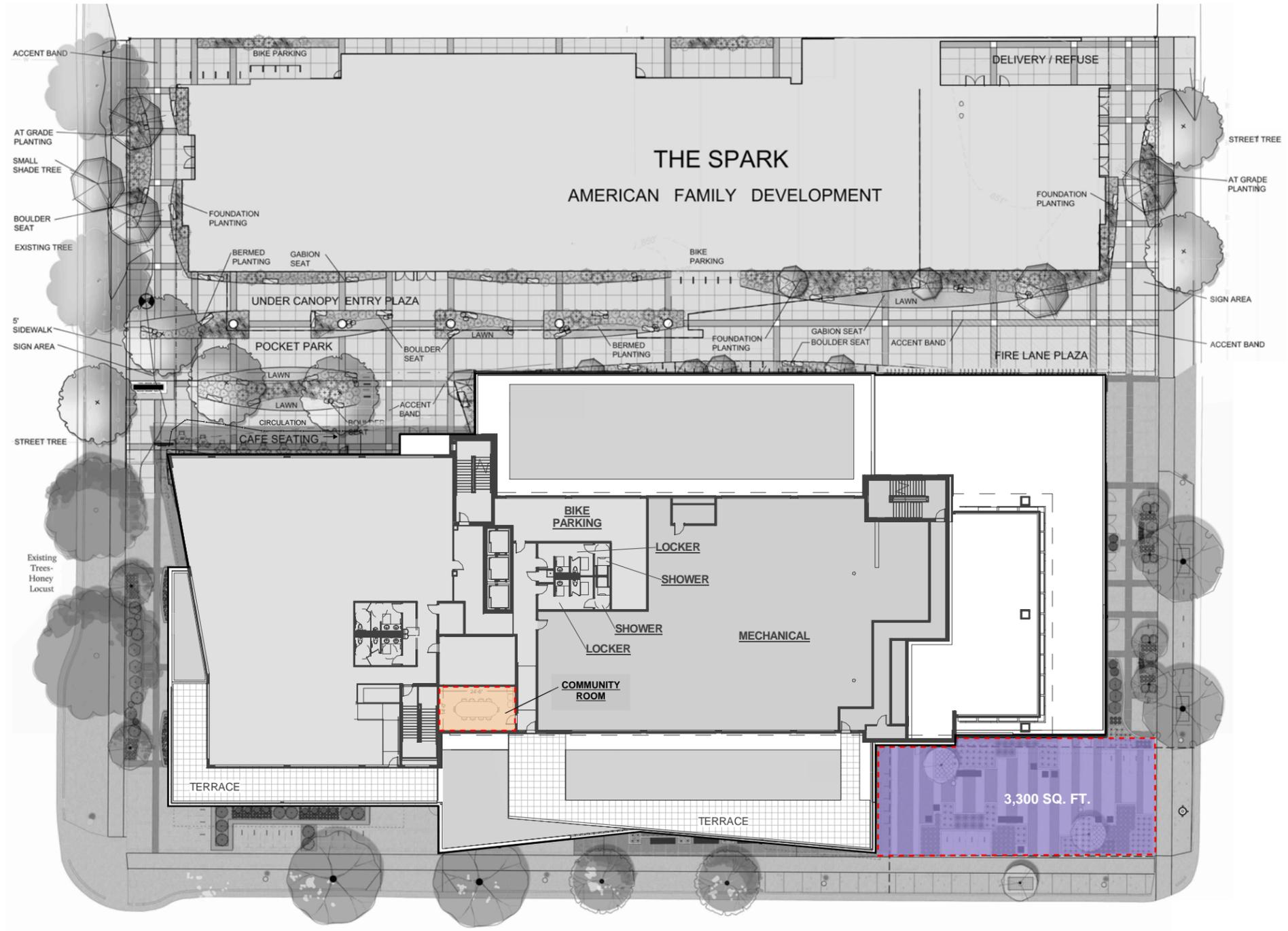
- * (2) Partial Stories - see shaded area of floor plans
- * Area per floor:
 - 7th Floor: 10,050 sq. ft.
 - 8th Floor: 10,050 sq. ft.
 - Total: 20,100 sq. ft.**

See sheets A702, A703 and A704 for (3) strategies to meet the provisions in Upper Level Development Standards.



BONUS STORIES (REQUIREMENTS)





GENERAL NOTES

Shaded portion of elevation and floor plans on sheet A701 represents the requested Bonus Stories / Area. Urban Design District #8 makes provisions for Bonus Stories within it's Upper Level Development Standards. See excerpt below.

UPPER LEVEL DEVELOPMENT STANDARDS
Per UDD#8, MGO Sec 33.24(15)(e)12:

- b. Bonus stories may be allowed as follows:
 - i. Two (2) bonus stories on Block...12b...
- c. Bonus stories may be granted if it is determined that the provisions of at least (1) element from i. or a combination of elements from ii. provides sufficient public benefit to warrant the additional height.
 - i. --On-site, publicly accessible plazas and/or pocket parks that are visible from the street and provide seating, landscaping, public art and/or other public amenities. For each one (1) square foot of plaza or park that is provided, five (5) square feet of bonus area is available.
 - ii. --Mid-block and through-block public pedestrian, bike, and/or vehicular connections.
 - --On-site, publicly accessible plazas and/or pocket parks that are visible from the street and provide seating, landscaping, public art and/or other public amenities. For each one (1) square foot of plaza or park that is provided, ten (10) square feet of bonus area is available.
 - --Adequately sized community meeting rooms available free of charge for neighborhood, public, or other community meetings...
 - LEED Silver certification of equivalent
 - Minimum of fifty percent (50%) vegetative roof cover.

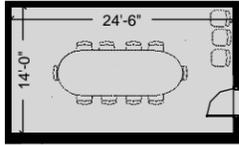
 On-site, publicly accessible plaza and/or pocket park
 Community Meeting Room

EARNED BONUS STORIES / BONUS

* (2) Stories

* Area:
(3,300 sq. ft.) x (10) = **33,000 sq. ft.**

* Conditions of Sec 33.24(15)(e)12(c)(ii) are met

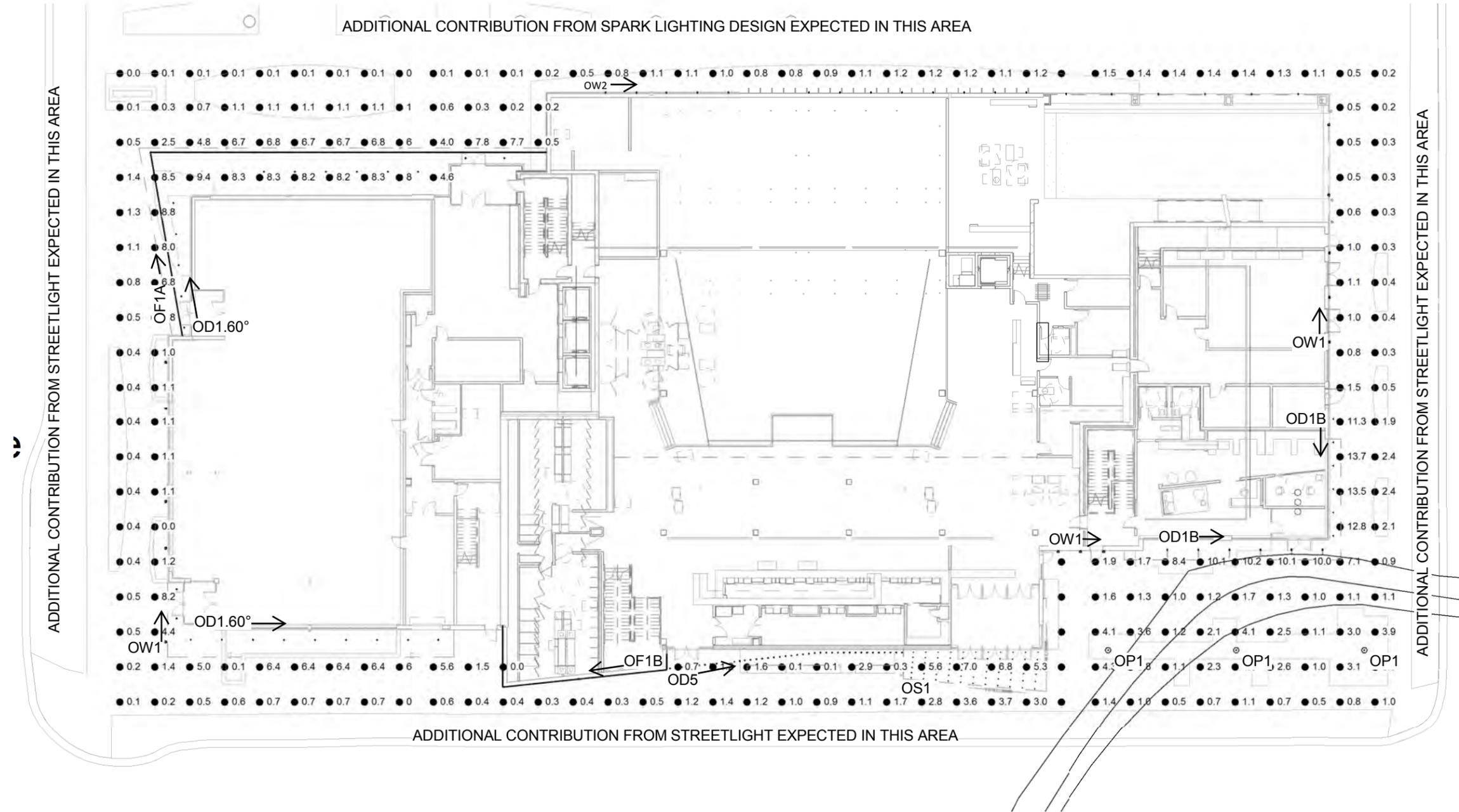


COMMUNITY ROOM ENLARGED FLOOR PLAN
SCALE: 1" = 20'-0"
0' 10' 20'

FOURTH FLOOR PLAN
SCALE: 1" = 40'-0"
0' 20' 40' 80'

BONUS STORIES (PROVISIONS)
On-Site, Publicly Accessible Plaza + Community Meeting Room





**TYPE OD1
2" Downlight (IC RATED)**



Luminaire Type:
Catalog Number
(auto-populated):

Gotham Architectural Downlighting
LED Downlights

**2" Incito®
Adjustable, Lensed**

Solid-State Lighting
(US and International Patents Pending)

OPTICAL SYSTEM

- Superior 100% virgin silicone refractive optic enables maximum dimensional stability and optical transmission with no discoloration over life.
- Primary control of distribution occurs in refractive optic allowing for aesthetic versatility with trim color and finish.
- Eleven preset distribution patterns allow designers to achieve various objectives.
- 3-Step MacAdam Ellipse.
- Self-flanged semi-specular or matte-diffuse lower trim utilized in combination with a highly transmissive softening lens.
- Field interchangeable optics.
- Wipe-down precision acrylic lens controls aperture brightness and enables consistent visual texture.

MECHANICAL SYSTEM

- Matte black enclosure ensures seamless integration into architecture.
- Post-installation vertical tilt and horizontal rotation adjustment possible from above or below ceiling.
- Accommodates 1/2" to 5/8" thick ceilings only.
- Full horizontal panning up to 365 degrees.
- 0-40° vertical tilt.
- Hot aiming below ceiling with indicator.
- Install from below architecture standard.
- Several additional mounting options available including new construction mounting pan, Chicago plenum, and Type IC.

WARRANTY

- 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

EXAMPLE: IC0 AD1L 3510 2AR LSS 200 MVOLT UGZ

Series	Color temperature	Nominal lumen values ¹	Aperture/Trim color	Trim Style	Finish	Beam				
IC0 AD1L	27	2700 K	05	500 lumens	2AR	Clear (blank) Self-flanged	LSS	Semi-specular	150	15° beam angle
	30	3000 K	07	750 lumens	2PR	Prismatic	LSS	specular	200	20° beam angle
	35	3500 K	10	1000 lumens	2WTR	Wheat	FL	Flangeless	250	25° beam angle
	40	4000 K	15	1500 lumens	2CR	Gold		diffuse	300	30° beam angle
					2WR	White			350	35° beam angle
					2BR	Black			400	40° beam angle
									450	45° beam angle
									35150	Elliptical 35° x 15° beam angle
									50200	Elliptical 50° x 20° beam angle
									50600	Elliptical 50° x 60° beam angle
								60700	Elliptical 60° x 70° beam angle	

Voltage	Driver	Options
MVOLT ¹	UGZ ²	SF ^{3,7} Single fuse
120		TRW ^{4,8} White painted flange
277		TRBL ^{4,9} Black painted flange
		CP ⁶ Chicago plenum
		NPP10ER ⁷ nLight [®] network power/relay pack with 0-10V dimming.
		NPP10DER ⁷ nLight [®] network power/relay pack with 0-10V dimming. ER control fixtures on emergency circuit.

ACCESSORIES order as separate catalog numbers (shipped separately)

OPTIC ^{2,7}	Additional optics available for field installation	HS258	2-5/8" Hole saw
OPTIC KIT	Kit including a field interchangeable optic for each of the 13 preset beam distribution patterns	HS234FL	2-3/4" Hole saw for flangeless trim option
		ANS0	Allen wrench (.050") for adjusting tilt

IC0-2-AD1L | GOTHAM ARCHITECTURAL DOWNLIGHTING | 1400 Lester Road Conyers GA 30012 | P 800.315.4982 | gothamlighting.com

PAGE 1 OF 4 | © 2015-2016 Acuity Brands Lighting, Inc. All Rights Reserved. Rev. 08/2016. Specifications subject to change without notice.

**Type OP1
12' Pole**



**Lunetta
18" LED Pedestrian
& Area Luminaire**

LUN18/SLV



Product Overview

Wattage: 45W
Lumen Output: 2,800 lm
Color Temp: 3,000K / 3,500K / 4,000K
Dimming: 0-10v
Max Height: 14 feet
Diameter: 18 inches

Features

Conventional exterior lighting, no matter how utilitarian or thoughtful the design aesthetic, involves a bright luminaire and a dark pole. "Lunetta" breaks from convention by allowing both luminaire and pole to become illuminated as one. A straight round 4" aluminum pole emanates from the ground and begins to flare until gracefully reaching the recessed light source running around the perimeter. The LEDs graze light down the face of the flared luminaire and post creating a comfortable yet efficient lighting element.

Description:
Lighting for exterior retail and hospitality environments, university and corporate campuses, or any outdoor meeting space.

LED Array:
(60) 4,000K Mid flux SMD LEDs delivering approximately 2,800 lm from a white luminaire. Sealed under polycarbonate optical lens, resistant to UV and thermal shock. It runs at approximately 45W.

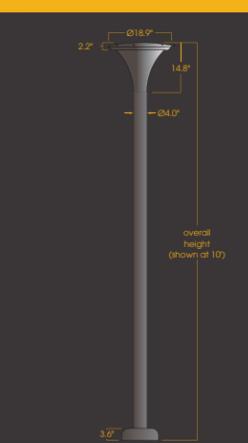
LED Driver Module:
• Electronic driver operates at 850mA with 120v-277V AC input
• 0-10v dimming

Materials:
Base - Cast aluminum (356-T6)
Shaft - Extruded aluminum (6063-T6)
Anchor Bolts - Hot dipped galvanized steel
Luminaire - Spun aluminum (6063)

ETL listed, suitable for wet locations.

Finish:
Premium quality thermoset polyester powdercoat for a durable finish.

ANT - Anthracite Gray
SDS - Stardust Silver
WHT - White
Custom



Amerlux, LLC • P: 209-997-5400 • F: 209-997-5448 • www.amerlux.com

REV: 1 - 8/17

**Type OW1
Cutoff Sconce**

LED wall luminaires with directed light

Housing: One piece die-cast aluminum for direct attachment to 3 1/2" or 4" octagonal wiring box. Die castings are marine grade, copper free (≤ 0.3% copper content) A360.0 aluminum alloy.

Enclosure: One piece die-cast aluminum cover frame secured by two (2) captive, stainless steel set screws threaded into stainless steel inserts. Matte safety glass. Fully gasketed for weather tight operation using a molded "U" channel silicone rubber gasket.

Electrical: 4.2W LED luminaire, 5.8 total system watts, -30°C start temperature. Integral 120V through 277V electronic LED driver, 0-10V dimming. LED module(s) are available from factory for easy replacement. Standard LED color temperature is 3000K with an 85 CRI. Available in 4000K (85 CRI); add suffix K4 to order. Optionally available with 2700K color temperature, consult factory.

Note: LEDs supplied with luminaire. Due to the dynamic nature of LED technology, LED luminaire data on this sheet is subject to change at the discretion of BEGA-US. For the most current technical data, please refer to www.bega-us.com.

Finish: All BEGA standard finishes are polyester powder coat with minimum 3 mil thickness. Available in four standard BEGA colors: Black (BLK), White (WHT), Bronze (BRZ), Silver (SLV). To specify, add appropriate suffix to catalog number. Custom colors supplied on special order.

CSA certified to U.S. and Canadian standards, suitable for wet locations. Protection class IP64

Weight: 1.5 lbs.

Luminaire Lumens: 291
Tested in accordance with LM-79-08




BEGA-US 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 FAX (805) 566-9474 www.bega-us.com
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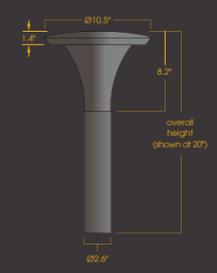
Lunetta

LED Walkway Bollard

LUNIO/SLV



PROJECT:



TYPE OB1
42" Bollard



Features
LED integration throughout the site is possible with Amerlux's Lunetta bollard, which includes a highly efficient and long lasting LED array.
A straight round 2.5" aluminum pole emanates from the ground and begins to flare until gracefully reaching the recessed light source running around the perimeter. The Lunetta bollard has no visible fasteners or hardware, which adds to its sleek design.

Product Overview

Wattage: 12W
Lumen Output: 1430 lm
Color Temp: 2,700K / 3,000K / 3,500K / 4,000K
Dimming: 0-10v
Weight at 24in: 6 lbs
Max Height: 42 inches
Diameter: 10 inches

Description:
Lighting for exterior retail and hospitality environment, university and corporate campuses, or any outdoor meeting space.

LED Array:
(40) High brightness SMD LEDs delivering approximately 1,430 lm. Sealed under polycarbonate optical lens, resistant to UV and thermal shock. It runs at approximately 16W.

LED Driver Module:
• Electronic driver operates at 550mA with 120v-277V AC input
• 0-10v dimming

Materials:
Anchor base - Cast aluminum (356-T6)
Shaft - Extruded aluminum (6063-T6)
Cone - Spun aluminum (6063)

ETL listed, suitable for wet locations.

Finish:
Premium quality thermoset polyester powdercoat for a durable finish.

ANT - Anthracite Gray **BLK** - Satin Black
CLB - Classic Bronze **SDS** - Stardust Silver
WHT - White **Custom** _____

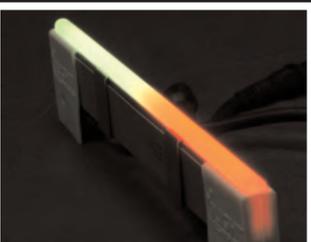
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Amerlux, LLC • P: 281-997-5400 • F: 281-997-5444 • www.amerlux.com

TYPE OF1A
LINEAR ACCENT UNDER CANOPIES



www.ilight-tech.com

Hypnotica™ IS Color Changing Series



PRODUCT FEATURES

- Slender, low profile
- Smooth, even light output
- Compatible with any DMX 512 controller or any RDM (Remote Device Management) controller
- Controllable in 6" increments
- Applications: exterior and interior trim lighting, direct and indirect lighting, cove lighting, accent lighting & more.

Color Range

- 16.7 million color possibilities

Light Source

- 20 High Powered RGB LEDs per foot

Housing

- Anodized aluminum extrusion with frosted diffuser

Power Supply

- 120-277 AC Class 2 24 VDC 4.1 A Max iLight Power Supply

Control Systems

- Industry Standard DMX 512
- RDM

Partners

- Pathway Connectivity

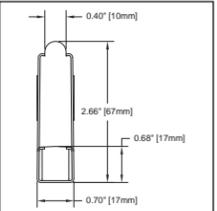
PRODUCT SUMMARY

Standard Lengths Available

- 1'- (304mm) 2'- (609mm) 3'- (914mm) 4'- (1218mm) 5'- (1524mm) 6'- (1829mm) 7'- (2133mm) 8'- (2438mm)

Custom Lengths

- Available up to 8'



ORDERING INFORMATION

Sample Number: T-24RGBDAST0-01

CLASS	VOLTAGE	COLOR	RGB TYPE	RESOLUTION	ADDITIONAL IDENTIFIER	LENGTH	FIXTURE TYPE	VERSION
T	24	RGB	D	A	S		0	01
T = Trim 24 = 24V RGB D = DMX A = 6" S = Straight						1 = 1 foot 2 = 2 feet 3 = 3 feet 4 = 4 feet 5 = 5 feet 6 = 6 feet 7 = 7 feet 8 = 8 feet	0 = Standard	01

Specification sheets are subject to change without notice. For the most recent version, please refer to www.ilight-tech.com.

iLight Technologies • 118 South Clinton, Suite 370 • Chicago, IL 60661 • T 312.876.8630 • F 312.876.8631 • www.ilight-tech.com

11-2016-B

BRUCK
LEDRA brands

TYPE OS1
UNDER FRANK CANOPY

Bruck By Ledra Brands Inc. | 15774 Gateway Circle | 15774 Gateway Circle
Tustin, CA 92780 | PH: 714.259.9959 | FAX: 714.259.9969 | www.brucklighting.com

Job Name: _____

Ordering Code: _____

Contact: _____

Fixture Type: _____



4000K 3000K blue green red amber

AL-C

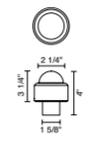
Description
The AL-C has a hard anodized aluminum housing and decorative collar with 3/8" thick tempered borosilicate glass dome. This fixture includes an integral driver enclosed in the housing. Listed for wet locations.

Mounting
Suitable to be fed direct with conduit.

Ordering Codes

Follow the steps to specify your fixture, example: 135331 - al - 3

Part Number	Finish	Color Temperature
135331 LED	al anodized aluminum	3 3000K, 120 lm
		4 4000K, 140 lm
		blu blue
		grn green
		red red
		amb amber



Technical Specs

Light Source

- 100-240V AC, 50/60Hz input
- 700mA DC constant current output
- 6VA, 3W for 1 (3 Watt LED)
- 3000K : 120 source lumens
- 4000K : 140 source lumens

- Listed for wet locations
- Short circuit protection
- Overload protection
- Thermal protection

• 3 year limited fixture warranty

Made in the USA - meets the requirements of the Buy American provision within the AFRA

v.8.24.16 | AL-C | Page 1 of 1

TYPE OW2
PLAZA FLOOD, PER SPARK DESIGNER
18-29W LED

DENALI SERIES™ FLOODLIGHT

PROJECT: _____

TYPE: _____

CATALOG NUMBER: _____

SOURCE: _____

NOTES: _____

CATALOG NUMBER LOGIC

Example: DE - LED - x31 - FL - SAP - 12 - 11 - C

Series: DE - Denali Series™ Floodlight

Source: LED - X Module with Cold Phosphor Technology

LED Type: x30 - 18WLED/2.7K, x31 - 18WLED/3K, x32 - 18WLED/4K, x33 - 29WLED/2.7K, x34 - 29WLED/3K, x35 - 29WLED/4K

Optics: SP - Spot (20'), FL - Flood (60'), WFL - Wide Flood (60')

Configure Driver Housing Separately
Driver Housing Required

INTEGRAL DRIVER HOUSINGS:
HP2 - HP2 Housing
PM2 - Universal Power Module 2
PM2D - Universal Power Module 2 Dual
PC - Power Canopy
PPI - Power Pipe II
TMB - Pole Mount or Tenon Mount

REMOTE DRIVER HOUSINGS:
HP2RM - HP2 Remote Housing
PM2RM - Universal Power Module 2 Remote
PM2DRM - Universal Power Module 2 Dual Remote
RM - Remote Wall Mount
DRM - Dual Remote Wall Mount

Aluminum Finish			Premium Finish		
Powder Coat Color	Satin	Winkle	ABP	CMG	BMG
Bronze	BZP	BZW	AMG	CRM	SDS
Black	BLP	BLW	AQW	CRM	SMG
White (Gloss)	WHP	WHW	BCM	HUG	TXF
Aluminum	SAP	---	BGE	MDS	WCP
Verde	---	VER	BPP	NBP	WIR
			CAP	OCF	---

Lens Type: 9 - Clear (Standard), 10 - Spread Lens*, 12 - Soft Focus Lens*, 13 - Rectilinear Lens*

Shielding: 11 - Honeycomb Baffle*

Cap Style: A - 45°, B - 90°, C - Flush, D - 45° less Weep Hole (Interior Use Only), E - 90° less Weep Hole (Interior Use Only)

LM79 DATA						L70 DATA		OPTICAL DATA	
BK No.	Lumens (Source)	CCT (Typ.)	CR1 (Ra Typ.)	Color Consistency	Input Watts (Typ.)	Minimum Rated Life (hrs.) 70% of Initial Lumens (L70)	Beam Type	Angle	
x30	1300	2700K	>80	±40K	18	50,000	Spot	20°	
x31	1300	3000K	>80	±50K	18	50,000	Flood	40°	
x32	1300	4000K	>80	±70K	18	50,000	Wide Flood	60°	
x33	2000	2700K	>80	±40K	29	50,000			
x34	2000	3000K	>80	±50K	29	50,000			
x35	2000	4000K	>80	±70K	29	50,000			

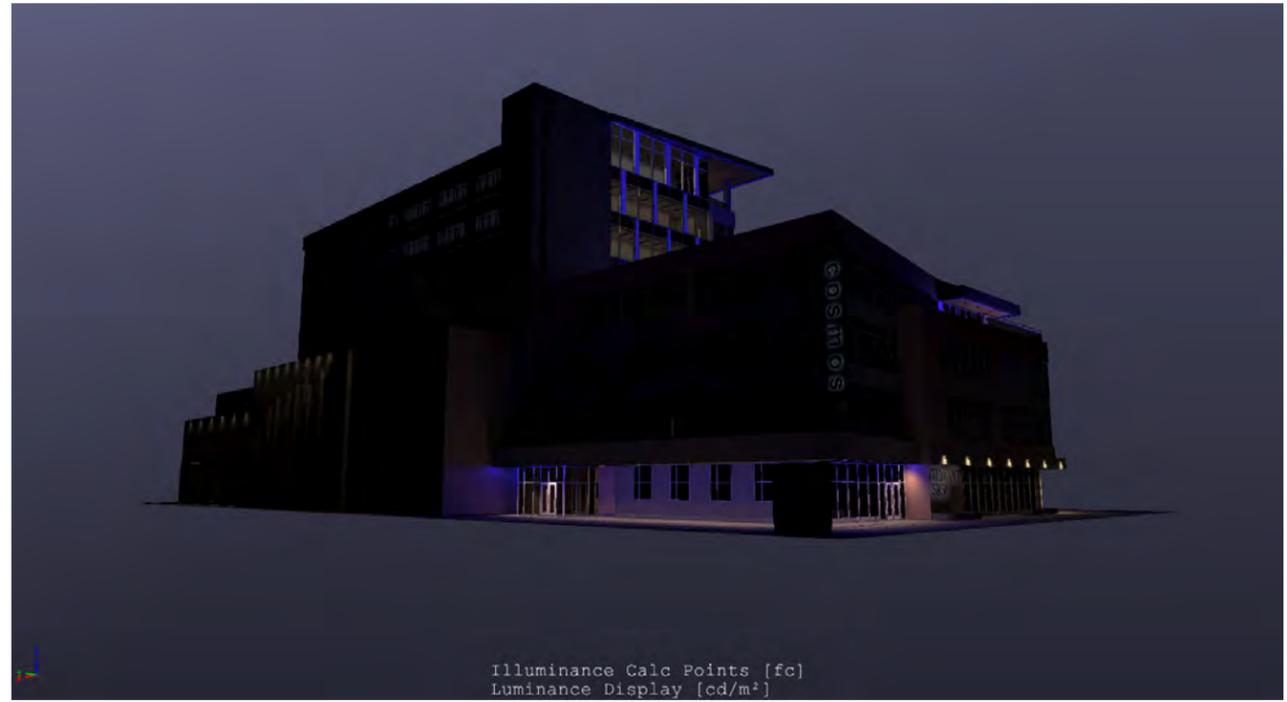
B-K LIGHTING 40429 Brickyard Drive • Madera, CA 93636 • USA 509-438-5800 • FAX 509-438-5900 www.bklighting.com • info@bklighting.com

SUBMITTAL DATE: 12-16-14 DRAWING NUMBER: SUB001113

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AERIAL VIEW (LOOKING STRAIGHT DOWN)



STREET LEVEL VIEW (LOOKING SOUTH-WEST)



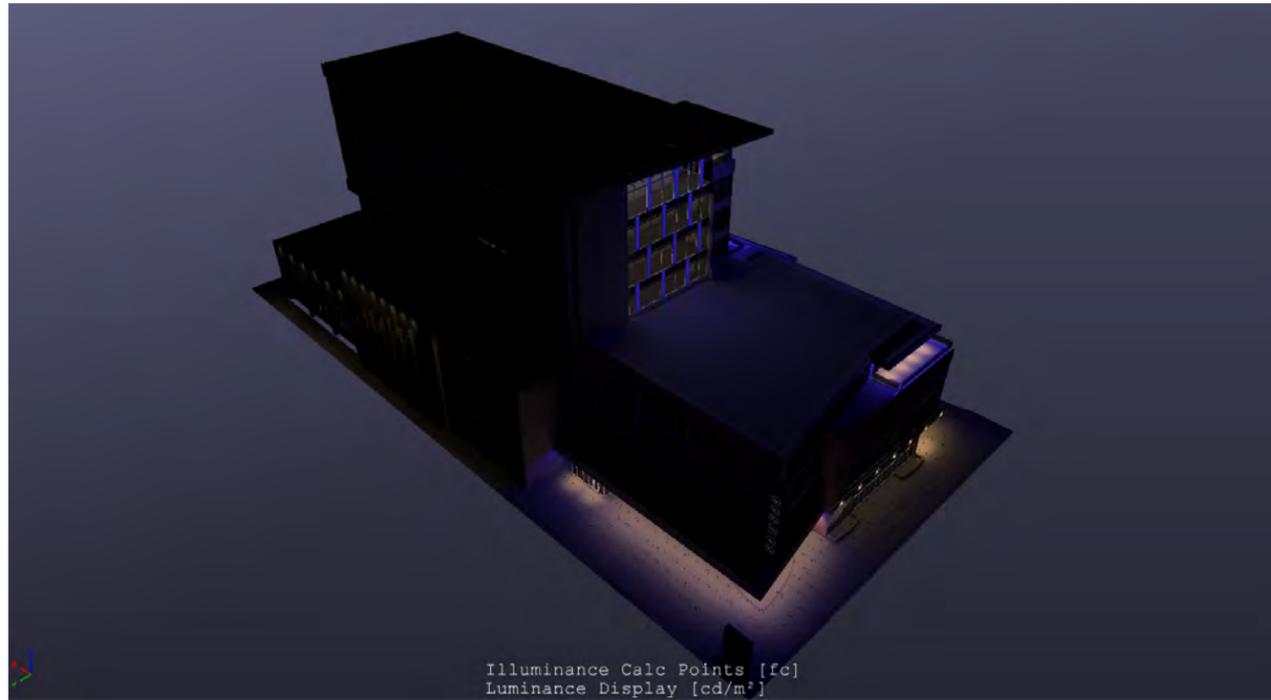
STREET LEVEL VIEW (LOOKING SOUTH-EAST)



STREET LEVEL VIEW (LOOKING NORTH-EAST)

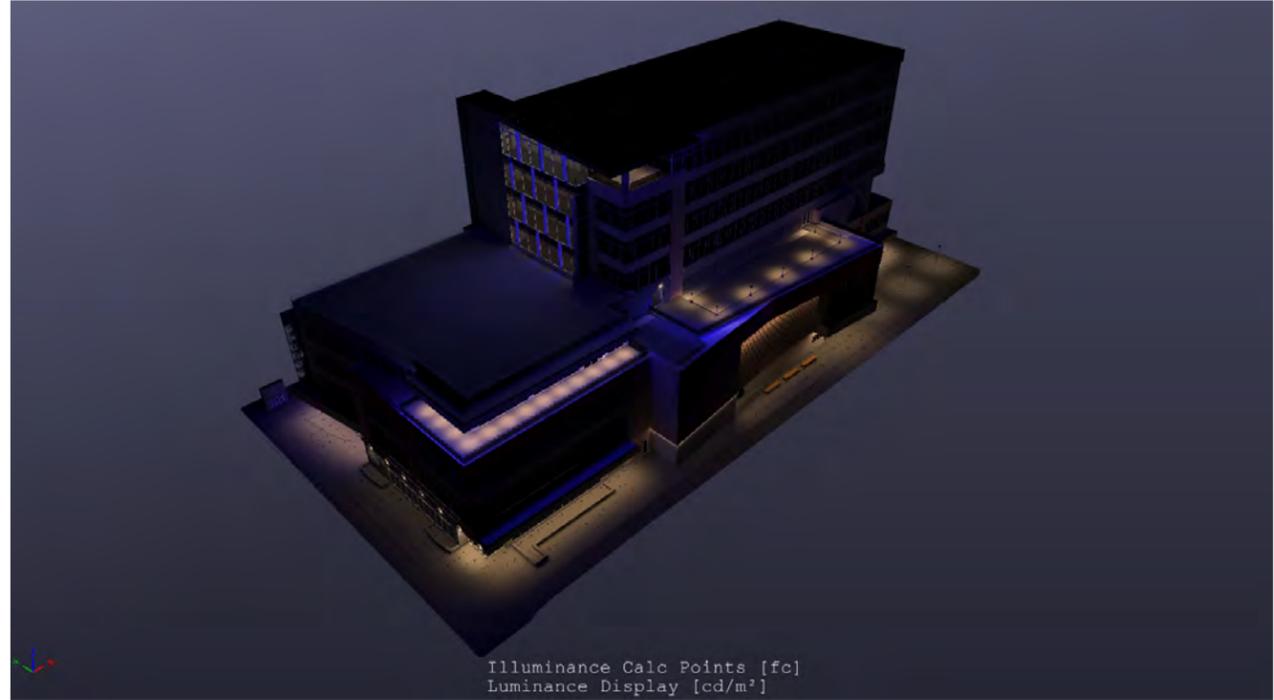
LIGHTING SIMULATIONS





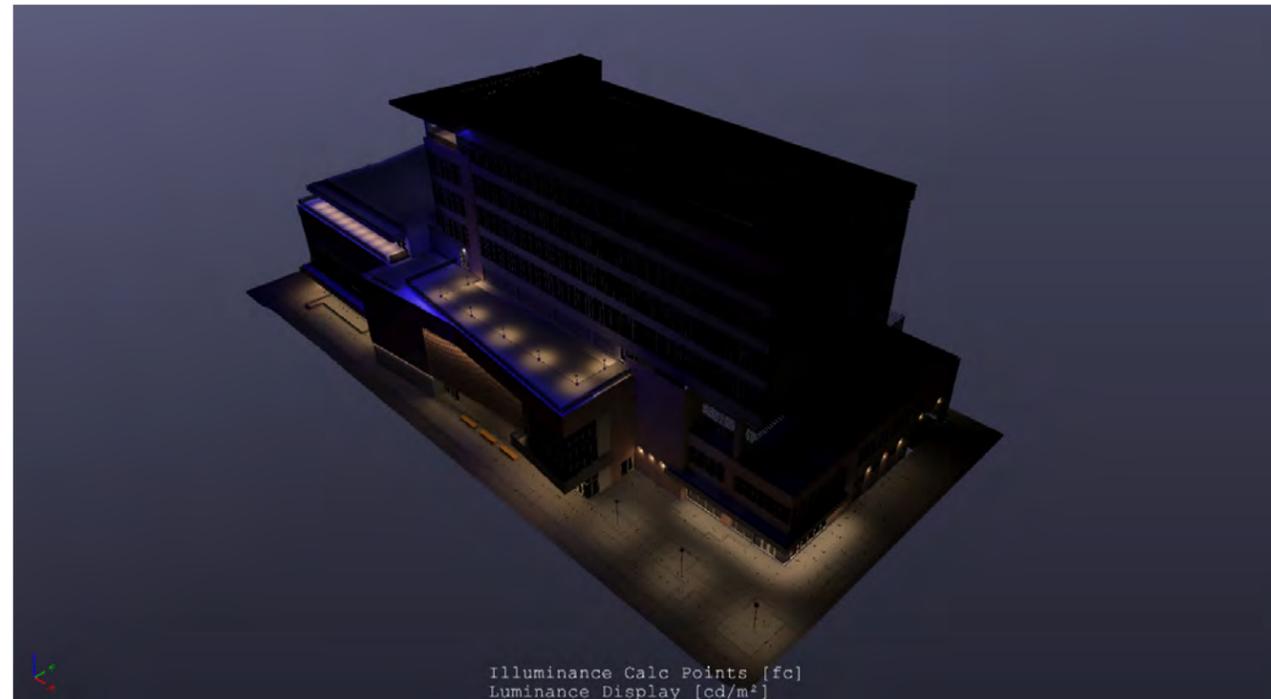
Illuminance Calc Points [fc]
Luminance Display [cd/m²]

AERIAL VIEW (LOOKING SOUTH-WEST)



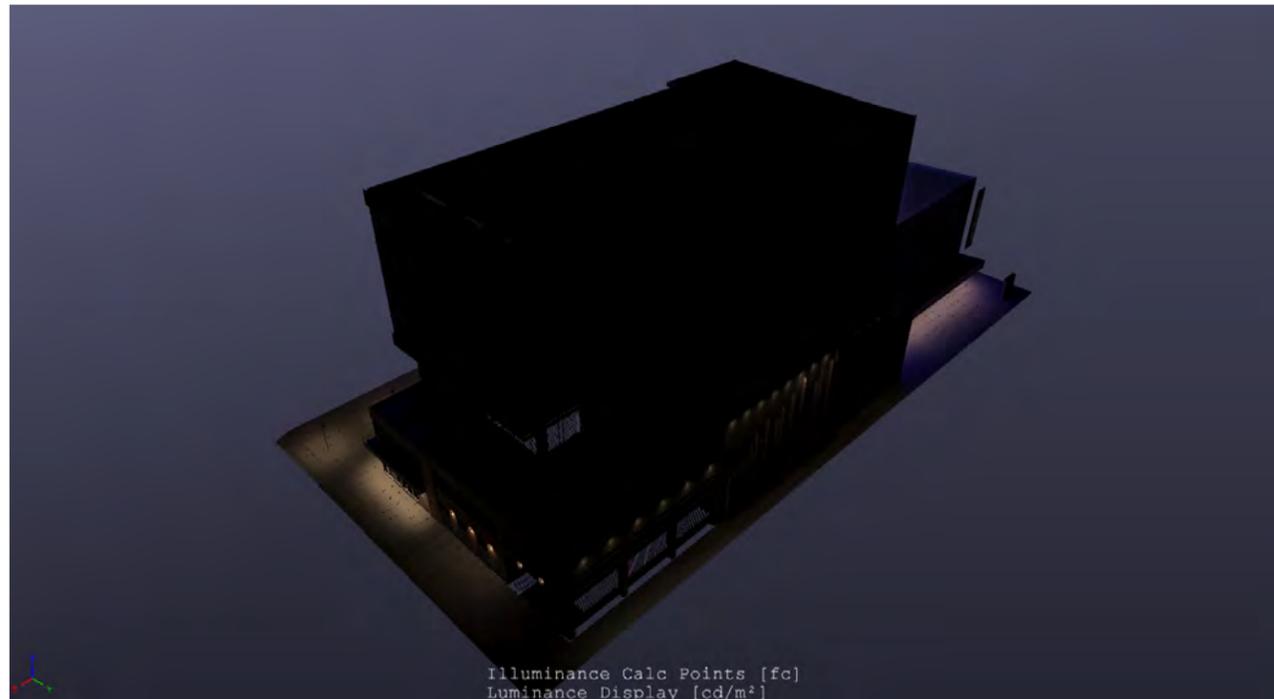
Illuminance Calc Points [fc]
Luminance Display [cd/m²]

AERIAL VIEW (LOOKING SOUTH-EAST)



Illuminance Calc Points [fc]
Luminance Display [cd/m²]

AERIAL VIEW (LOOKING NORTH-EAST)



Illuminance Calc Points [fc]
Luminance Display [cd/m²]

AERIAL VIEW (LOOKING NORTH-WEST)

LIGHTING SIMULATIONS

