

4706 E. WASHINGTON AVE.
MADISON, WI 53704

LOCATION: 4706 E. WASHINGTON AVE.
MADISON, WI 53704

REGULATING MUNICIPALITIES:
CITY OF MADISON
DANE COUNTY
STATE OF WISCONSIN

BUILDING CODE:
CITY OF MADISON ZONING ORDINANCES
WISCONSIN ADMINISTRATIVE CODE
2015 INTERNATIONAL BUILDING CODE
ACCESSIBILITY ANSI A117.1 - 2009

PROJECT DESCRIPTION:
MULTI-TENANT COMMERCIAL BUILDING, SINGLE STORY

OCCUPANCY TYPE:
PRIMARY : M

CONSTRUCTION TYPE:
TYPE VB

ALLOWABLE AREA & HEIGHT:
HEIGHT (IBC TABLE 504.3) = 40 FEET ABOVE GRADE PLANE
STORIES (IBC TABLE 504.4) = 1 STORY
AREA (IBC TABLE 506.2) = 9,000 SF / FLOOR

BUILDING AREA & HEIGHT:
HEIGHT = 22 FEET 6 INCHES ABOVE GRADE PLANE
STORIES = 1 STORIES
TOTAL AREA = 5,500 SF

NUMBER OF OCCUPANTS: (TABLE 1004.1.2)
M OCCUPANCY:
M OCCUPANCY = 5,500 SF/ 60 SF = 92 OCC

PARKING REQUIREMENTS:
1 STALLS / 400 SF/ OCCUPANTS = 14 STALLS
1 VAN ACCESSIBLE STALLS REQUIRED
1 ADA STALLS REQUIRED
CROSS-PARKED WITH ADJACENT PROPERTY

2 BIKE PARKING STALLS REQUIRED
TOTAL BIKE PARKING STALLS PROVIDED = 4

PLUMBING:
ALL FIXTURES TO COMPLY WITH ICC A117.1

FIRE CONTROL:
NON-SPRINKLERED
PORTABLE FIRE EXTINGUISHERS (IBC SECTION 906)
MAX DISTANCE = 75 FEET

SEPARATION:
NON-SEPERATED USE

EXIT TRAVEL DISTANCE:
NON-SPRINKLERED:
B = 200 FT MAX TRAVEL (TABLE 1017.2)
B = 75 FT COMMON PATH OF TRAVEL (1006.2.1)

EXITS:
TWO EXISTS FROM BUILDING REQUIRED, TWO PROVIDED FROM EACH TENANT

ACCESSIBILITY:
ALL FLOORS SHALL BE ACCESSIBLE IF GREATER THAN 1,500 SF
ALL EXITS SHALL BE ACCESSIBLE
FOLLOW IBC AND ANSI 117

1. DIMENSIONS ARE TO FACE OF STUD OR TO COLUMN CENTERLINE UNLESS NOTED OTHERWISE. VERIFY ALL EXISTING CONDITIONS AND ADJUST WALL DIMENSIONS ACCORDINGLY. CONTACT ARCHITECT WITH ANY DISCREPANCIES.
2. CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERING ANY DISCREPANCIES OR CONFLICTING INFORMATION IN THESE DOCUMENTS. CONTRACTOR SHALL CAREFULLY REVIEW AND COMPILE ALL DRAWINGS DURING THE BIDDING PERIOD AND BEFORE INSTALLATION OF THEIR WORK. ANY INCONSISTENCIES IN THE DRAWINGS SHALL BE REPORTED PROMPTLY TO THE ARCHITECT AND ENGINEER(S) FOR CLARIFICATION.
3. DO NOT SCALE DRAWINGS. THE DRAWINGS ARE NOT NECESSARILY TO SCALE - USE GIVEN DIMENSIONS. DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
4. CONTRACTOR SHALL NOTIFY ARCHITECT AND OWNER IMMEDIATELY UPON DISCOVERING ANY UNANTICIPATED EXISTING SITE CONDITIONS AFFECTING THE EXECUTION OF THESE DOCUMENTS (SUCH AS HAZARDOUS MATERIALS, ETC.).
5. CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE AND FEDERAL CODES AND REGULATIONS GOVERNING THIS PROJECT.
6. JOB SITE SHALL BE BROOM SWEEP AND CLEAN AT THE END OF EACH DAY. ALL DEBRIS SHALL BE PICKED UP AND DISPOSED OF PROPERLY INTO APPROVED CONTAINER.
7. MAINTAIN DESIGNATED EGRESS ROUTES DURING CONSTRUCTION BY KEEPING CLEAR OF CONSTRUCTION DEBRIS AND CLEARLY MARKING THE PATH OF EGRESS TRAVEL.
8. ALL MECHANICAL (HVAC), ELECTRICAL, AND PLUMBING ("MEP") DESIGN AND CONSTRUCTION TO BE BY A DESIGN-BUILD DELIVERY METHOD AND ARE SUBSEQUENTLY NOT PART OF THESE DOCUMENTS. THE MEP CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE GENERAL CONTRACTOR AND WITH THESE DRAWINGS THE FINAL DESIGN, RETROFIT AND INSTALLATION OF THESE SYSTEMS. NOTIFY THE ARCHITECT PRIOR TO MAKING ANY REVISIONS TO THE STRUCTURE OR ARCHITECTURAL FEATURES.
9. ELECTRICIAN TO VERIFY NEW LIGHT FIXTURE LAYOUT AND SUBMIT LIGHTING ENERGY CALC'S AS REQUIRED PER CODE. REVIEW PLAN AND LIGHTING FIXTURE SELECTION WITH ARCHITECT.
10. HVAC CONTRACTOR SHALL SUBMIT PROPER DESIGN DRAWINGS AS NEEDED FOR PLAN APPROVAL AND BUILDING PERMITS.
11. ENSURE A CLEAR PATHWAY TO ALL EXISTS IS MAINTAINED AND SUSTAINED.
12. WITHIN THIS DOCUMENT "NORTH, SOUTH, EAST, WEST" ARE REFERRED TO AS PROJECT NORTH AND MAY NOT BE TRUE NORTH
13. ALL EXPOSED WOOD, OR IN CONTACT WITH CONC. OR MASONRY, SHALL BE PRESSURE TREATED
14. VERIFY ALL ROUND OPENINGS WITH RESPECTIVE MFG
15. PROVIDE SOUND BATT INSULATION AT ALL DEMISING WALLS, SEPARATION WALLS, AND AT BATHROOM, AND MECHANICAL ROOM WALLS
16. PROVIDE MOISTURE RESISTANT GWB AT ALL PLUMBING WALLS
17. PROVIDE GFI OUTLETS NEAR WATER SOURCES AND AS REQUIRED BY CODE
18. PROVIDE 2X BLOCKING AT ALL GRAB BAR LOCATIONS PER ANSI A117.1 2009
19. FIELD VERIFY ALL CABINET LAYOUTS AND COORDINATE DIMENSIONS WITH SELECTED APPLIANCES AND FIXTURES, PROVIDE END PANELS AT ALL EXPOSED CABINET ENDS
20. PROVIDE FIRE BLOCKING THROUGHOUT ENTIRE BUILDING PER IRC T17.2
21. SUBMIT ALL FIXTURES, APPLIANCES, MATERIALS, SHOP DRAWINGS, PLAN MODIFICATIONS TO THE ARCHITECT FOR REVIEW AND APPROVAL

SHEET NUMBER	SHEET NAME	REVISIONS	
		MARK	DATE
GENERAL			
A0.1	COVER SHEET	UDC SUBMITTAL	19/03/28
G1.0	EXISTING SITE	UDC SUBMITTAL	19/03/28
G1.1	EXISTING CONDITIONS PHOTOS	UDC SUBMITTAL	19/03/28
CIVIL			
C1.0	EXISTING CONDITIONS		
C2.0	PROPOSED SITE PLAN		
C3.0	GRADING PLAN		
C3.1	EROSION CONTROL PLAN		
C4.0	UTILITY PLAN		
CIVIL - LANDSCAPE			
LS1.1	LANDSCAPE PLAN		
CIVIL - SITE LIGHTING			
E1	SITE LIGHTING LAYOUT		
ARCHITECTURAL			
A2.1	FIRST FLOOR PLAN	UDC SUBMITTAL	19/03/28
A2.2	ROOF PLAN	UDC SUBMITTAL	19/03/28
A3.1	EXTERIOR ELEVATIONS	UDC SUBMITTAL	19/03/28
A3.2	EXTERIOR RENDERING	UDC SUBMITTAL	19/03/28
A3.3	EXTERIOR RENDERING	UDC SUBMITTAL	19/03/28

OWNER:
GALWAY COMPANIES, LLC
6430 BRIDGE RD. SUITE 230
MADISON, WI 53713

**CONTACT:
STEVE DORAN
608-372-4006**

ARCHITECT:
SKETCHWORKS ARCHITECTURE, LLC
7780 ELMWOOD AVE., STE 208
MIDDLETON, WI 53562

CONTACT:
BRAD KONING (ARCHITECT)
608-836-7570

STRUCTURAL ENGINEER:
MP² STRUCTURAL ENGINEERS, LLC
583 D'ONOFRIO DR. SUITE 201
MADISON, WI 53719

CONTACT:
MARK LINDLOFF
608-821-4770

CIVIL ENGINEER:
PROFESSIONAL ENGINEERING, LLC
818 N. MEADOWBROOK LANE
WAUNAKEE, WI 53597

CONTACT:
ROXANNE JOHNSON, P.E.
608-849-9378

MULTI-TENANT BUILDING

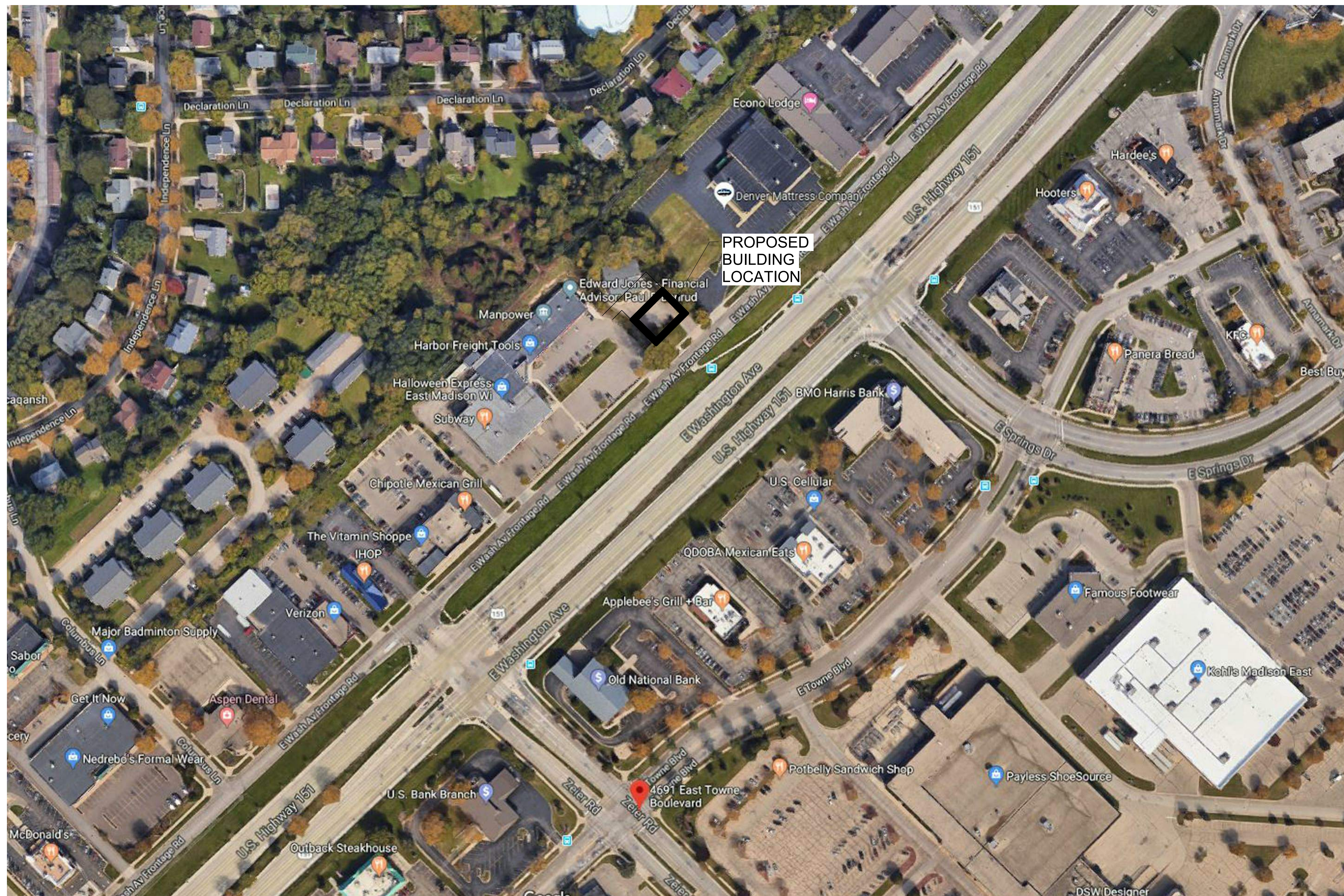
NEW COMMERCIAL BUILDING

**06 E. WASHINGTON AVE.
MADISON, WI 53704**

COVER SHEET

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A0.1



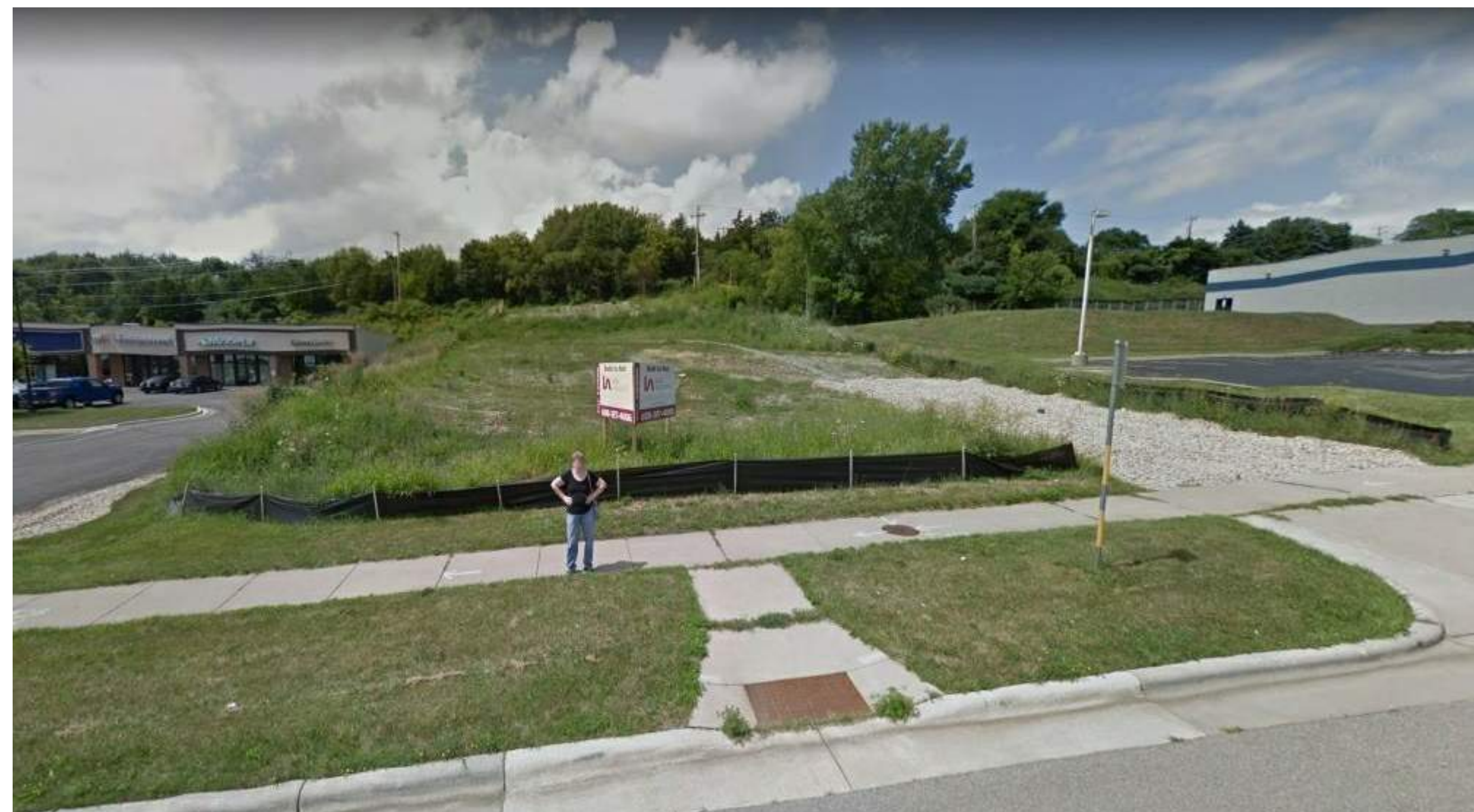
MULTI-TENANT BUILDING

NEW COMMERCIAL BUILDING
4706 E. WASHINGTON AVE.
MADISON, WI 53704

EXISTING SITE

Project Status

[illegible]





Lots Twelve (12), Block One (1), Drives-Messner Plat, in the NW 1/4 of the NW 1/4 of Section 27, T8N, R10E, in the City of Madison, Dane County, Wisconsin


LEGAL DESCRIPTION: As provided in First American Title Insurance Company Commitment NCS-818372-MAD , dated October 21, 2016 at 7:30 A.M.


Lot Twelve (12), Block One (1), Drives-Messner Plat, in the City of Madison, Dane County, Wisconsin.


LEGEND

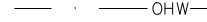
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TRANSMISSION POWER POLE
- 


HYDRANT
- 

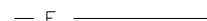
LIGHT POLE OR STOP LIGHT POLE
- 


GAS UNDERGROUND
- 


STORM SEWER
- 

OVERHEAD WIRES
- 

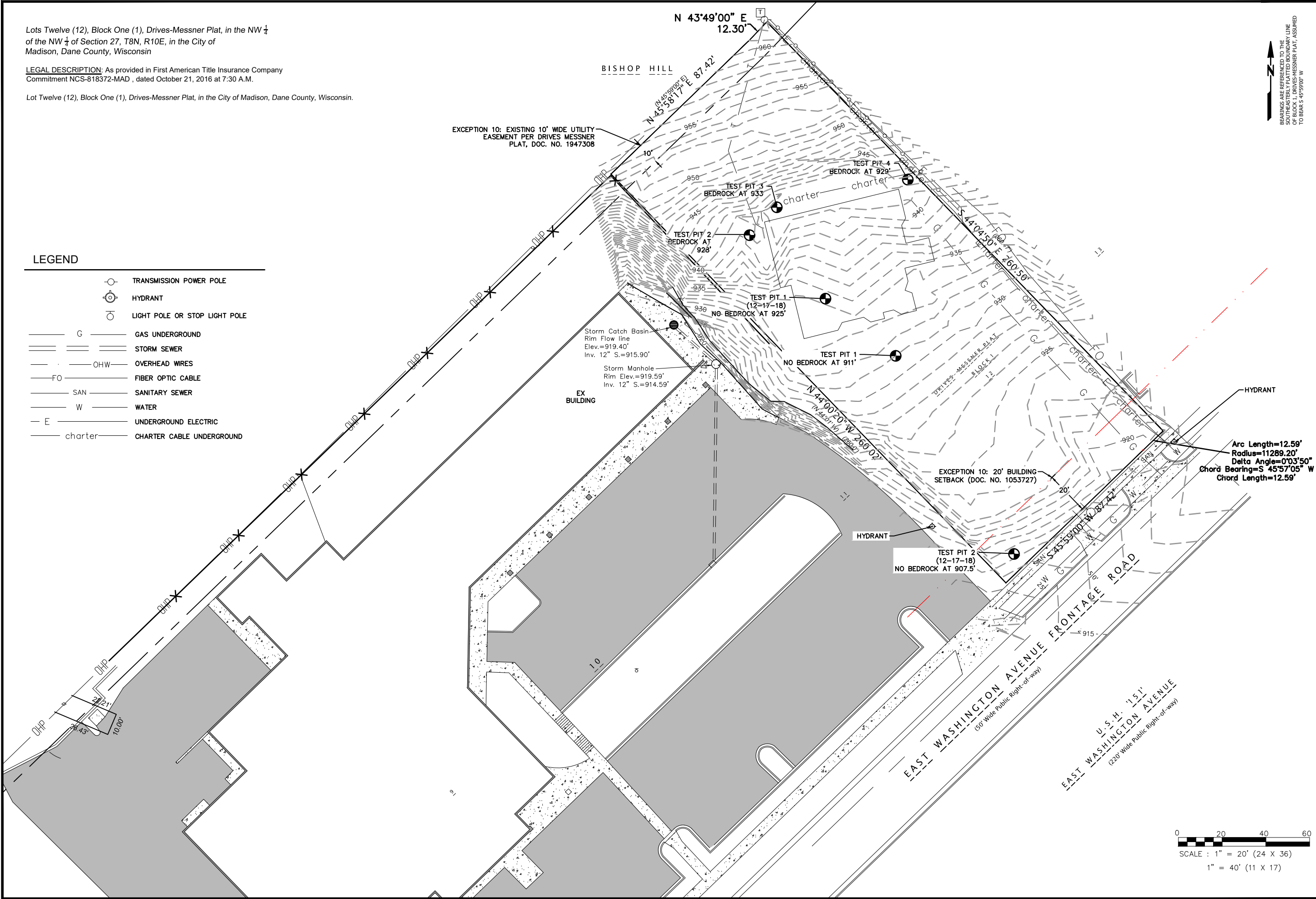
FIBER OPTIC CABLE
- 

SANITARY SEWER
- 

WATER
- 

UNDERGROUND ELECTRIC
- 

CHARTER CABLE UNDERGROUND



BEARINGS ARE REFERENCED TO THE
SOUTHEASTERN PLATTED BOUNDARY LINE
OF BLOCK 1, DRIVES-MESSNER PLAT, ASSUMED
TO BEAR S 45°59'00" W

4706 E WASHINGTON AVENUE
EXISTING CONDITIONS

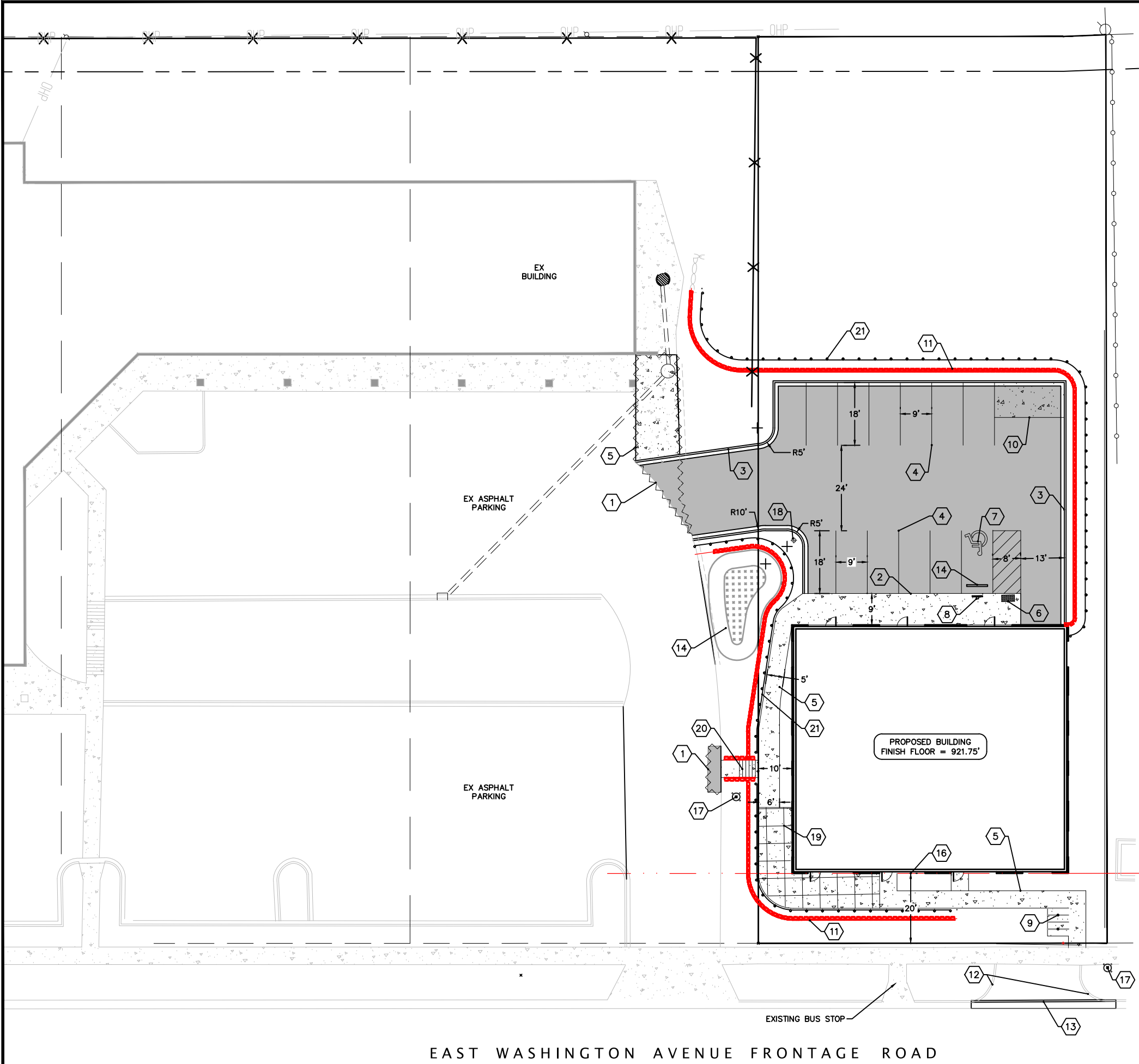
MADISON, WISCONSIN



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Waukegan, WI 53597
phone (608) 849-9378
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ISSUANCE/REVISION	DATE
UDC	03-27-19

C1.0



- PLAN KEY
- 1

CUT AND REMOVE EXISTING SIDEWALK/ASPHALT
- 2

THICKENED EDGE SIDEWALK
- 3

18" CURB AND GUTTER
- 4

4" PAVEMENT STRIPING WITH TWO COATS OF TRAFFIC GRADE LATEX PAINT, TYP
- 5

SIDEWALK
- 6

DETECTABLE WARNING FIELD, TYP.
- 7

VAN ACCESSIBLE STALL, TYP.
- 8

VAN ACCESSIBLE PARKING SIGN, TYP.
- 9

BIKE RACK TO BE DERO PART# BH-FT-EPX BIKE RACKS SURFACE MOUNT POWDER COAT FINISH
- 10

TRASH ENCLOSURE, SEE ARCHITECTURAL PLANS
- 11

SEGMENTAL RETAINING WALL
- 12

REMOVE EXISTING CONCRETE APRON
- 13

30" CURB AND GUTTER
- 14

6' CONCRETE WHEEL STOP
- 15

BIORETENTION DEVICE
- 16

EXCEPTION 10: 20' BUILDING SETBACK DOC. NO. 1053727
- 17

EX HYDRANT
- 18

LIGHT POLE WITH CONCRETE BASE
- 19

OUTDOOR PATIO
- 20

STAIRS WITH HANDRAILS, SEE ARCHITECTURAL PLANS
- 21

GUARDRAIL, SEE ARCHITECTURAL PLANS

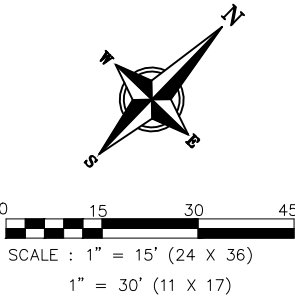
- PLAN KEY
- PAVEMENT
- CONCRETE
- EX CONCRETE
- BIORETENTION POND
- SAW CUT

LEGAL DESCRIPTION: AS PROVIDED IN FIRST AMERICAN TITLE INSURANCE COMPANY COMMITMENT NCS-818372-MAD , DATED OCTOBER 21, 2016 AT 7:30 A.M.

LOT TWELVE (12), BLOCK ONE (1), DRIVES-MESSNER PLAT, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

SITE INFORMATION

SITE ADDRESS = 4706 E. WASHINGTON AVENUE
SITE ACREAGE = 0.67 ACRES (29,050 SF)
TOTAL IMPERVIOUS AREA = 15,566 SF
IMPERVIOUS SURFACE % = 53.6%
NUMBER OF STORIES (ABOVE GRADE) = 1 STORY
BUILDING HEIGHT = 22'-6"
DILHR TYPE OF CONSTRUCTION = VB
TOTAL SQUARE FOOTAGE OF BUILDING = 5,530 SF
NUMBER OF PARKING STALLS: 13 (1 HC)
TOTAL BIKE PARKING: 4 STALLS



DATE
03-27-19

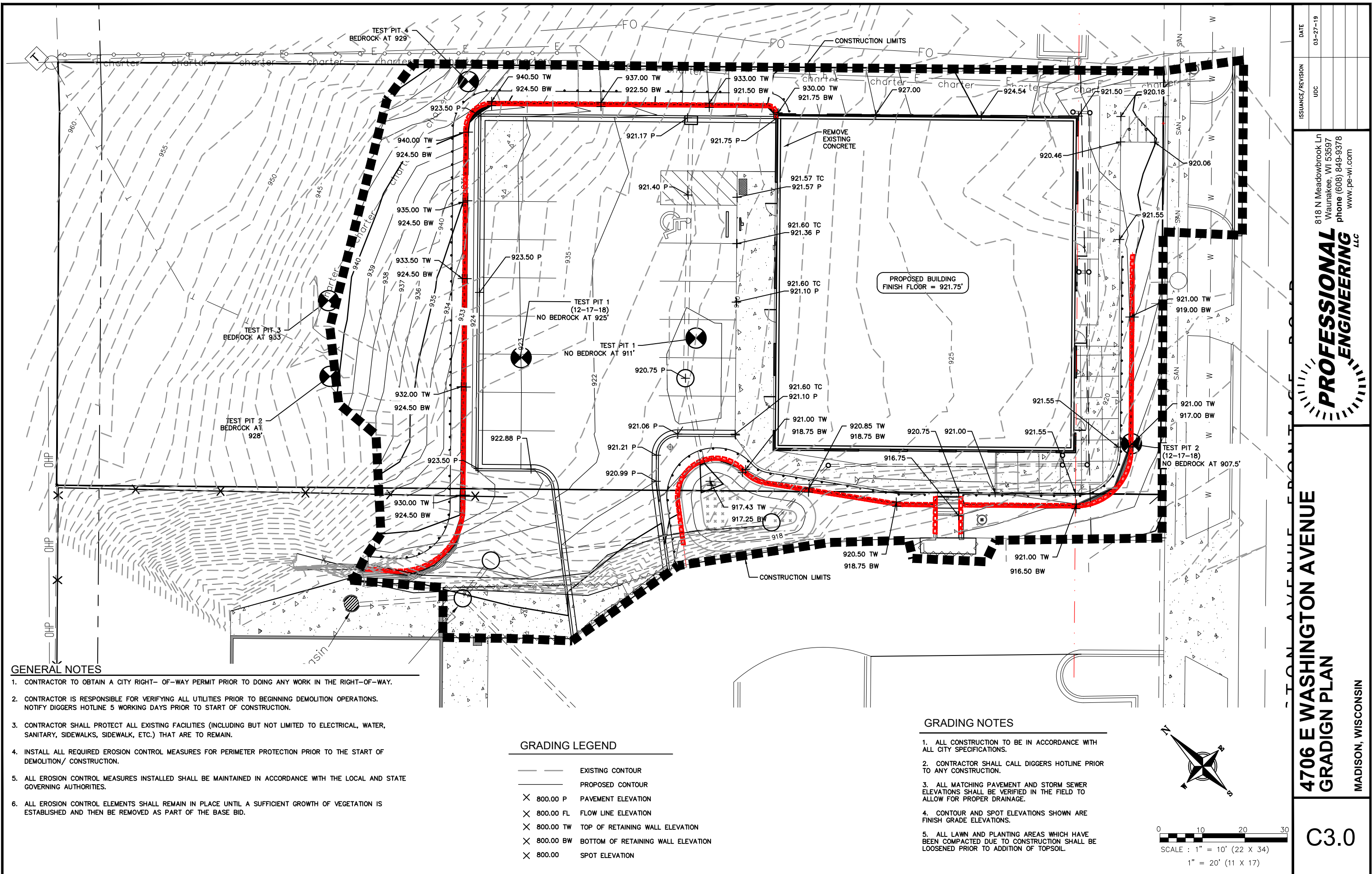
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UDC

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4706 E WASHINGTON AVENUE
PROPOSED SITE PLAN
MADISON, WISCONSIN

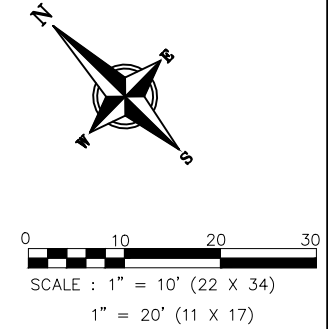
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- GENERAL NOTES**
1. CONTRACTOR TO OBTAIN A CITY RIGHT- OF-WAY PERMIT PRIOR TO DOING ANY WORK IN THE RIGHT-OF-WAY.
 2. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES PRIOR TO BEGINNING DEMOLITION OPERATIONS. NOTIFY DIGGERS HOTLINE 5 WORKING DAYS PRIOR TO START OF CONSTRUCTION.
 3. CONTRACTOR SHALL PROTECT ALL EXISTING FACILITIES (INCLUDING BUT NOT LIMITED TO ELECTRICAL, WATER, SANITARY, SIDEWALKS, SIDEWALK, ETC.) THAT ARE TO REMAIN.
 4. INSTALL ALL REQUIRED EROSION CONTROL MEASURES FOR PERIMETER PROTECTION PRIOR TO THE START OF DEMOLITION/ CONSTRUCTION.
 5. ALL EROSION CONTROL MEASURES INSTALLED SHALL BE MAINTAINED IN ACCORDANCE WITH THE LOCAL AND STATE GOVERNING AUTHORITIES.
 6. ALL EROSION CONTROL ELEMENTS SHALL REMAIN IN PLACE UNTIL A SUFFICIENT GROWTH OF VEGETATION IS ESTABLISHED AND THEN BE REMOVED AS PART OF THE BASE BID.

GRADING LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	800.00 P PAVEMENT ELEVATION
	800.00 FL FLOW LINE ELEVATION
	800.00 TW TOP OF RETAINING WALL ELEVATION
	800.00 BW BOTTOM OF RETAINING WALL ELEVATION
	800.00 SPOT ELEVATION

- GRADING NOTES**
1. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY SPECIFICATIONS.
 2. CONTRACTOR SHALL CALL DIGGERS HOTLINE PRIOR TO ANY CONSTRUCTION.
 3. ALL MATCHING PAVEMENT AND STORM SEWER ELEVATIONS SHALL BE VERIFIED IN THE FIELD TO ALLOW FOR PROPER DRAINAGE.
 4. CONTOUR AND SPOT ELEVATIONS SHOWN ARE FINISH GRADE ELEVATIONS.
 5. ALL LAWN AND PLANTING AREAS WHICH HAVE BEEN COMPACTED DUE TO CONSTRUCTION SHALL BE LOOSENEED PRIOR TO ADDITION OF TOPSOIL.



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GRADIGN PLAN

MADISON, WISCONSIN

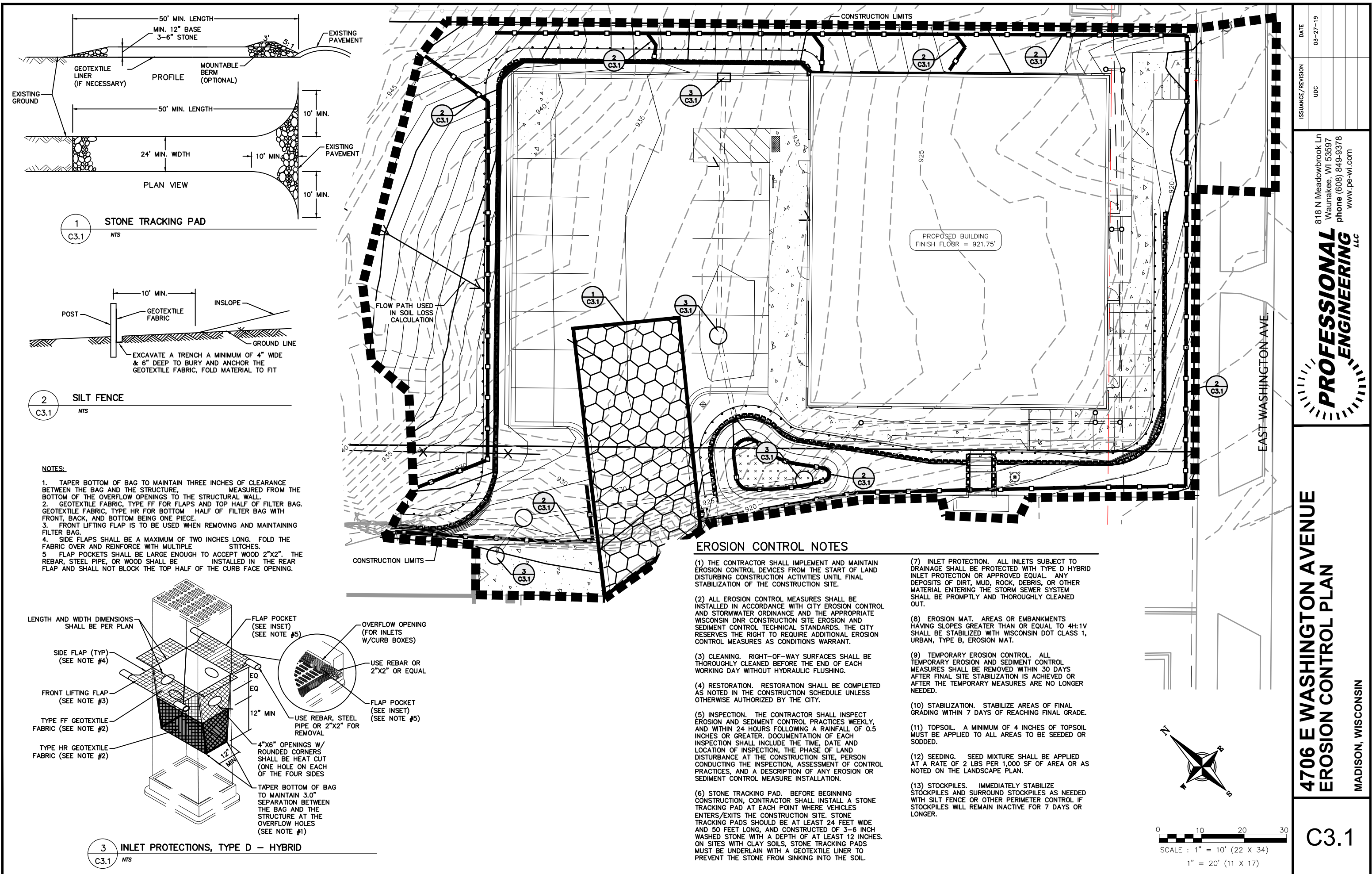
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ISSUANCE/REVISION

UDC	03-27-19
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DATE

03-27-19



4706 E WASHINGTON AVENUE
EROSION CONTROL PLAN

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MADISON, WISCONSIN

ISSUANCE/REVISION

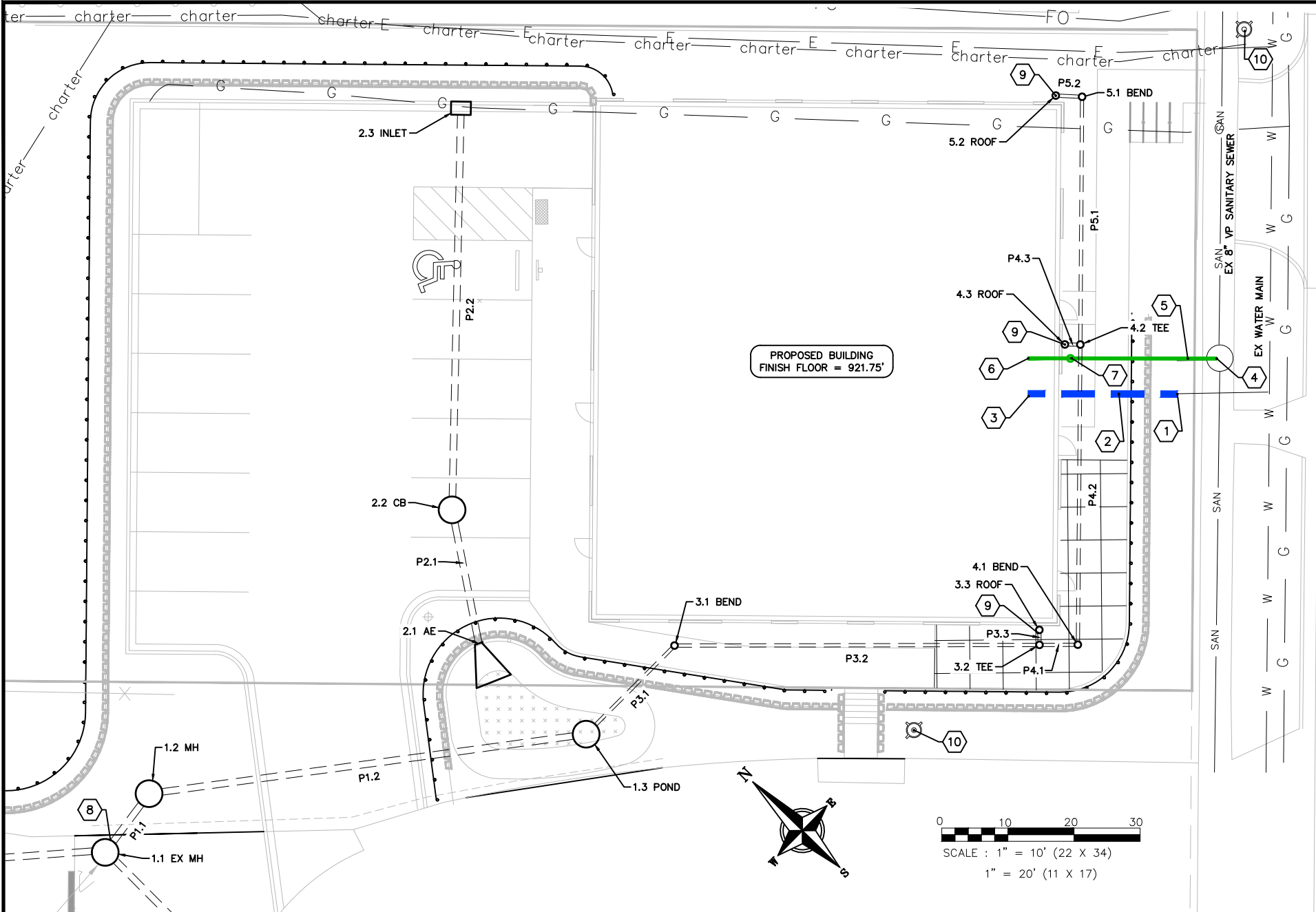
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03-27-19

C3.1

NTS



UTILITY NOTES

1. CONTRACTOR SHALL CALL DIGGERS HOTLINE PRIOR TO ANY CONSTRUCTION.

2. ALL EXISTING UTILITIES SHOWN ON THE PLAN ARE APPROXIMATE AND WERE FIELD LOCATED FROM GROUND MARKING OR BASED OFF OF PREVIOUS PLANS. THE LOCATIONS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

3. ALL SITE UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS.

4. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A STREET OPENING PERMIT FOR ANY WORK TO BE DONE WITHIN THE RIGHT-OF-WAY.

5. CONTRACTOR SHALL OBTAIN ALL NECESSARY PLUGGING/CONNECTION PERMITS FROM THE CITY OF MADISON PRIOR TO ANY UTILITY WORK. CONTRACTOR TO NOTIFY THE PUBLIC WORKS DEPARTMENT A MINIMUM OF 48 HOURS BEFORE CONNECTING TO PUBLIC UTILITIES.

6. 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.

7. ALL STORM SEWER PIPE TO BE SDR-35 AS NOTED ON THE STORM SEWER SCHEDULE. ALL BRANCH CONNECTIONS TO BE WYES WITH 45 DEGREE BENDS.

8. CONTRACTOR SHALL CONFIRM CONNECTION ELEVATION GRADES OF ALL PIPES PRIOR TO BEGINNING CONSTRUCTION.
9. PRIVATE WATER MAIN 4" AND LARGER SHALL BE DUCTILE IRON OR C900 PVC. WATER SERVICES 2" AND SMALLER SHALL BE TYPE K, COPPER.

10. SANITARY SEWER SERVICES SHALL BE SDR-35 PVC.

11. 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.

12. CONTRACTOR TO COORDINATE NEW, RELOCATED AND/OR ABANDONED GAS, ELECTRIC, TELEPHONE, AND CABLE WITH APPROPRIATE UTILITY COMPANIES.

13. UTILITIES SERVING PROPOSED BUILDINGS SHALL BE STUBBED WITHIN 5' OF THE PROPOSED BUILDING(S) AND STAKED.

14. 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.

15. 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.

16. BUILDING PLUMBER SHALL VERIFY SIZE, SLOPE, AND EXACT LOCATION OF PROPOSED SANITARY LATERALS AND WATER SERVICES PRIOR TO INSTALLATION.

17. CONTRACTOR RESPONSIBLE FOR TRAFFIC CONTROL FOR WORK IN THE RIGHT-OF-WAY

PLAN KEY

- 1 CONNECT TO EXISTING WATER LATERAL PER CITY REQUIREMENTS
- 2 1.5" WATER SERVICE
- 3 CONNECT TO BUILDING WATER SERVICE
- 4 CONNECT TO EXISTING MANHOLE PER CITY REQUIREMENTS
- 5 6" SANITARY SEWER AT 1.04% SLOPE MINIMUM
- 6 CONNECT TO SANITARY BUILDING SEWER, SEE PLUMBING PLANS
- 7 CLEANOUT
- 8 CONNECT TO EXISTING STORM MANHOLE
- 9 CONNECT TO ROOF DOWNSPOUT
- 10 EXISTING HYDRANT

STRUCTURE TABLE					
STRUCTURE NAME	SIZE	TOP OF CASTING	PIPES IN	PIPES OUT	CASTING
1.1 EX MH		919.59	P1.1, 12" INV IN =914.61		
1.2 MH	3-FT DIA.	922.06	P1.2, 12" INV IN =914.63	P1.1, 12" INV OUT =914.67	NEENAH R-1550
1.3 POND	3-FT DIA.	917.75	P3.1, 6" INV IN =915.50	P1.2, 12" INV OUT =915.00	HAALA #CG36TM
2.1 AE		918.50	P2.1, 12" INV IN =917.25		
2.2 CB	3-FT DIA.	920.75	P2.2, 12" INV IN =917.51	P2.1, 12" INV OUT =917.51	NEENAH R-2050
2.3 INLET	2X3-FT	921.64		P2.2, 12" INV OUT =918.12	NEENAH R-3067
3.1 BEND	BEND	921.25	P3.2, 6" INV IN =915.88	P3.1, 6" INV OUT =915.88	
3.2 TEE	TEE	921.60	P4.1, 6" INV IN =917.00 P3.3, 6" INV IN =917.00	P3.2, 6" INV OUT =916.98	
3.3 ROOF	CONNECT TO ROOF DOWNSPOUT	921.65		P3.3, 6" INV OUT =917.05	
4.1 BEND	BEND	921.65	P4.2, 6" INV IN =917.12	P4.1, 6" INV OUT =917.12	
4.2 TEE	TEE	921.59	P5.1, 6" INV IN =918.03 P4.3, 6" INV IN =918.03	P4.2, 6" INV OUT =918.03	
4.3 ROOF	CONNECT TO ROOF DOWNSPOUT	921.59		P4.3, 6" INV OUT =918.08	
5.1 BEND	BEND	920.92	P5.2, 6" INV IN =918.41	P5.1, 6" INV OUT =918.41	
5.2 ROOF	CONNECT TO ROOF DOWNSPOUT	921.66		P5.2, 6" INV OUT =918.45	

PIPE TABLE						
NAME	SIZE	LENGTH	SLOPE	MATERIAL	START INVERT ELEVATION	END INVERT ELEVATION
P1.1	12"	12'	0.55%	SDR 35	914.67'	914.61'
P1.2	12"	67'	0.55%	SDR 35	915.00'	914.63'
P2.1	12"	21'	1.28%	SDR 35	917.51'	917.25'
P2.2	12"	61'	1.00%	SDR 35	918.12'	917.51'
P3.1	6"	19'	2.00%	SDR 35	915.88'	915.50'
P3.2	6"	56'	2.00%	SDR 35	916.98'	915.88'
P3.3	6"	3'	2.00%	SDR 35	917.05'	917.00'
P4.1	6"	6'	2.00%	SDR 35	917.12'	917.00'
P4.2	6"	46'	2.00%	SDR 35	918.03'	917.12'
P4.3	6"	3'	2.00%	SDR 35	918.08'	918.03'
P5.1	6"	38'	1.00%	SDR 35	918.41'	918.03'
P5.2	6"	4'	1.00%	SDR 35	918.45'	918.41'

4706 E WASHINGTON AVENUE
UTILITY PLAN

MADISON, WISCONSIN



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Waukegan, WI 53597
phone (608) 849-9378
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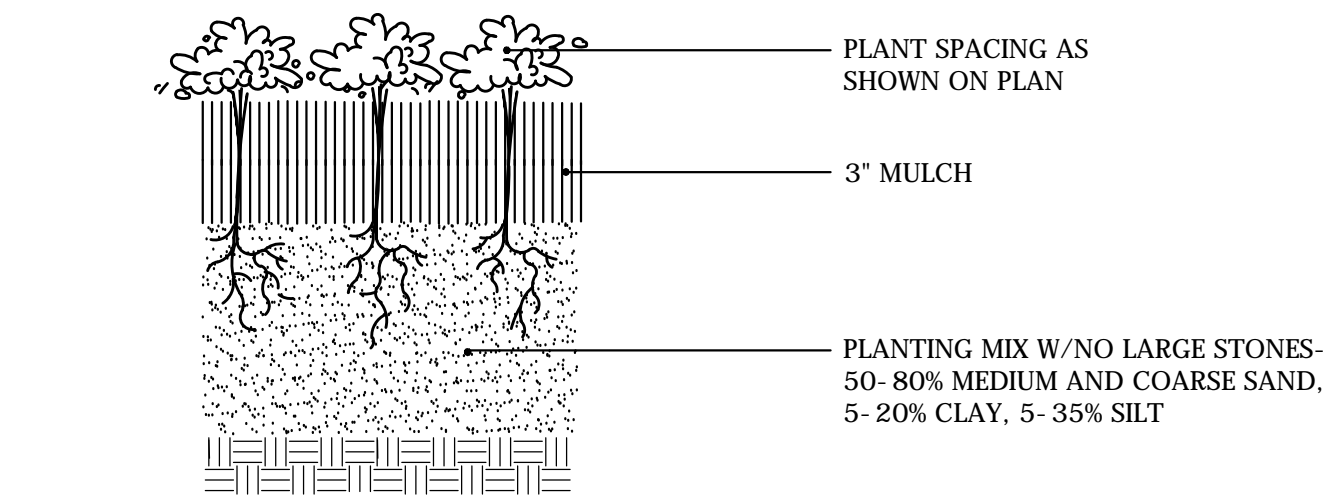
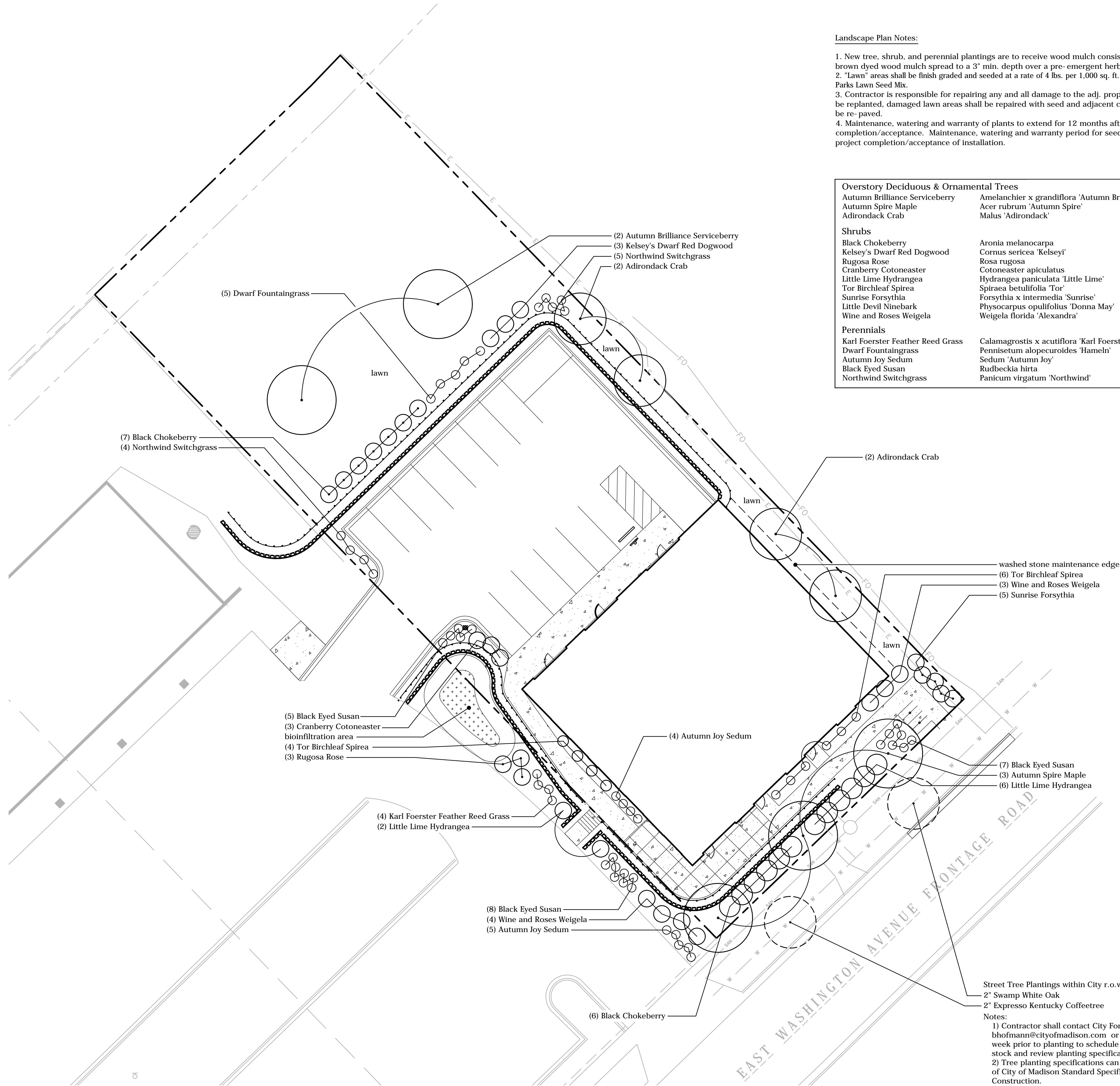
ISSUANCE/REVISION	DATE
UDC	03-27-19

C4.0

Landscape Plan Notes:

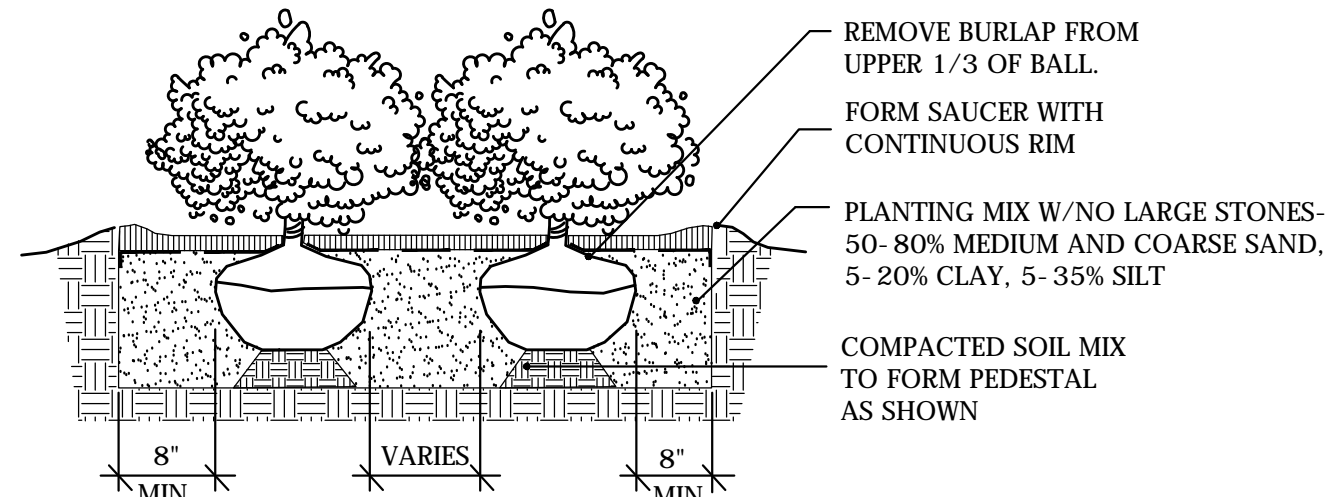
1. New tree, shrub, and perennial plantings are to receive wood mulch consisting of recycled, shredded brown dyed wood mulch spread to a 3" min. depth over a pre-emergent herbicide.
2. "Lawn" areas shall be finish graded and seeded at a rate of 4 lbs. per 1,000 sq. ft. Basis of Design: Madison Parks Lawn Seed Mix.
3. Contractor is responsible for repairing any and all damage to the adj. properties. Planted areas shall be replanted, damaged lawn areas shall be repaired with seed and adjacent curbs and pavement shall be re-paved.
4. Maintenance, watering and warranty of plants to extend for 12 months after project completion/acceptance. Maintenance, watering and warranty period for seed to extend 60 days from project completion/acceptance of installation.

Overstory Deciduous & Ornamental Trees			
Autumn Brilliance Serviceberry	Amelanchier x grandiflora 'Autumn Brilliance'	2 1/2" cal.	
Autumn Spire Maple	Acer rubrum 'Autumn Spire'	2 1/2" cal.	
Adirondack Crab	Malus 'Adirondack'	2 1/2" cal.	
Shrubs			
Black Chokeberry	Aronia melanocarpa	24" ht.	
Kelsey's Dwarf Red Dogwood	Cornus sericea 'Kelsey'	24" ht.	
Rugosa Rose	Rosa rugosa	18" ht.	
Cranberry Cotoneaster	Cotoneaster apiculatus	18" ht.	
Little Lime Hydrangea	Hydrangea paniculata 'Little Lime'	24" ht.	
Tor Birchleaf Spirea	Spiraea betulifolia 'Tor'	18" ht.	
Sunrise Forsythia	Forsythia x intermedia 'Sunrise'	18" ht.	
Little Devil Ninebark	Physocarpus opulifolius 'Donna May'	18" ht.	
Wine and Roses Weigela	Weigela florida 'Alexandra'	18" ht.	
Perennials			
Karl Foerster Feather Reed Grass	Calamagrostis x acutiflora 'Karl Foerster'	1 gal.	
Dwarf Fountaingrass	Pennisetum alopecuroides 'Hameln'	1 gal.	
Autumn Joy Sedum	Sedum 'Autumn Joy'	1 gal.	
Black Eyed Susan	Rudbeckia hirta	1 gal.	
Northwind Switchgrass	Panicum virgatum 'Northwind'	1 gal.	



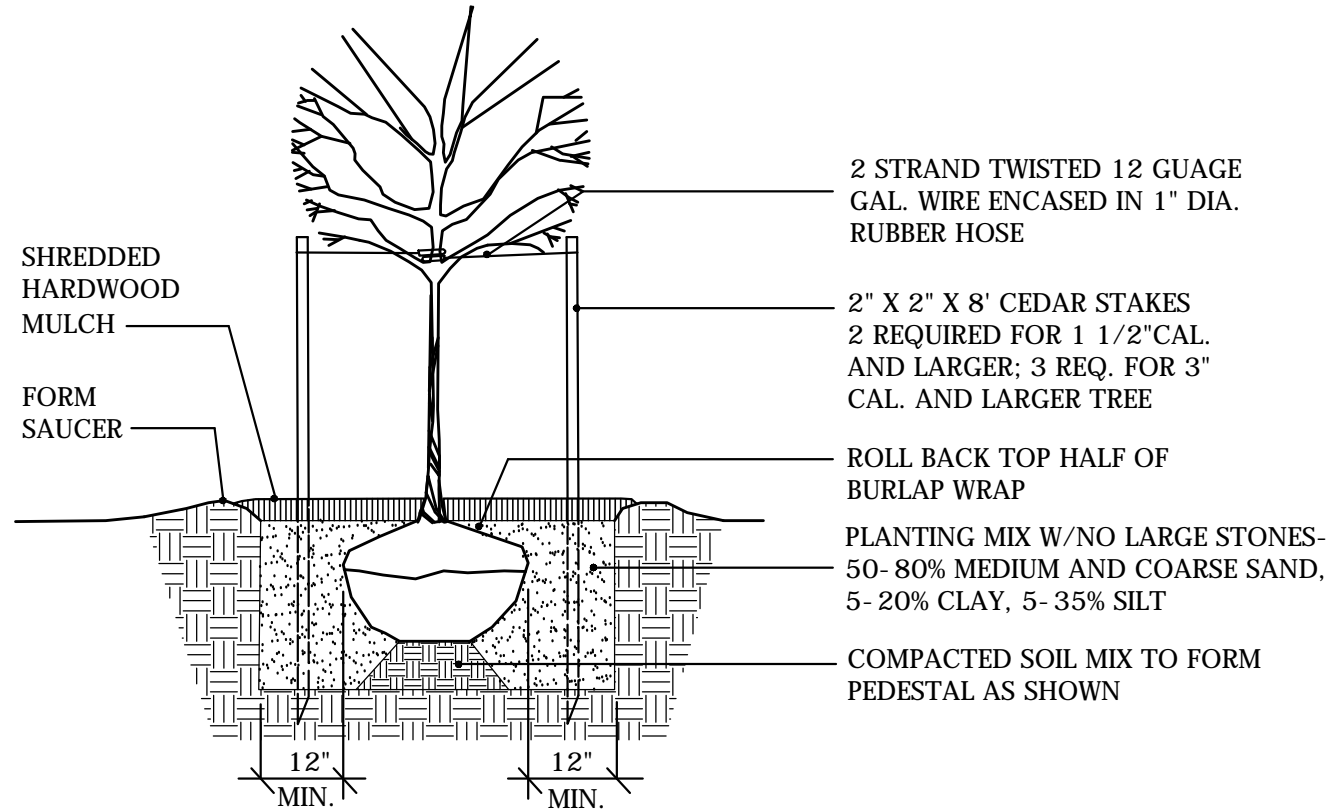
2 PERENNIAL PLANTING

NTS



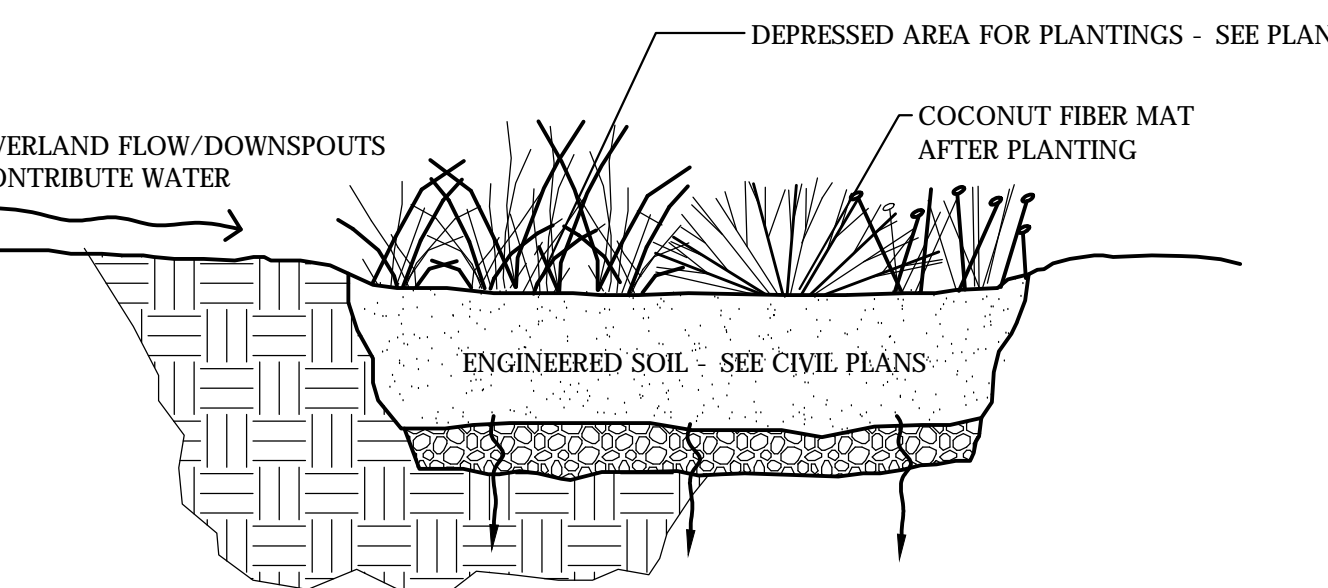
3 SHRUB PLANTING

NTS



4 TREE PLANTING

NTS



5 BIOINFILTRATION AREA

NTS

Landscape Calculations and Distribution:
Five (5) landscape points shall be provided per each (300) sf of developed area for first (5) acres
Total sf of developed area = 6,767 sf (.16 acres)
Developed area (6,767) divided by (300) x 5 = 113 Points Required

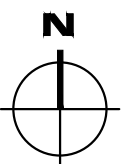
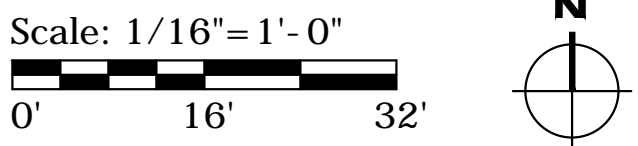
Development Frontage Landscaping
Total lf of lot frontage = 100
Required Trees = 3
Required Shrubs = 17
Provided Trees = 3
Provided Shrubs = 17

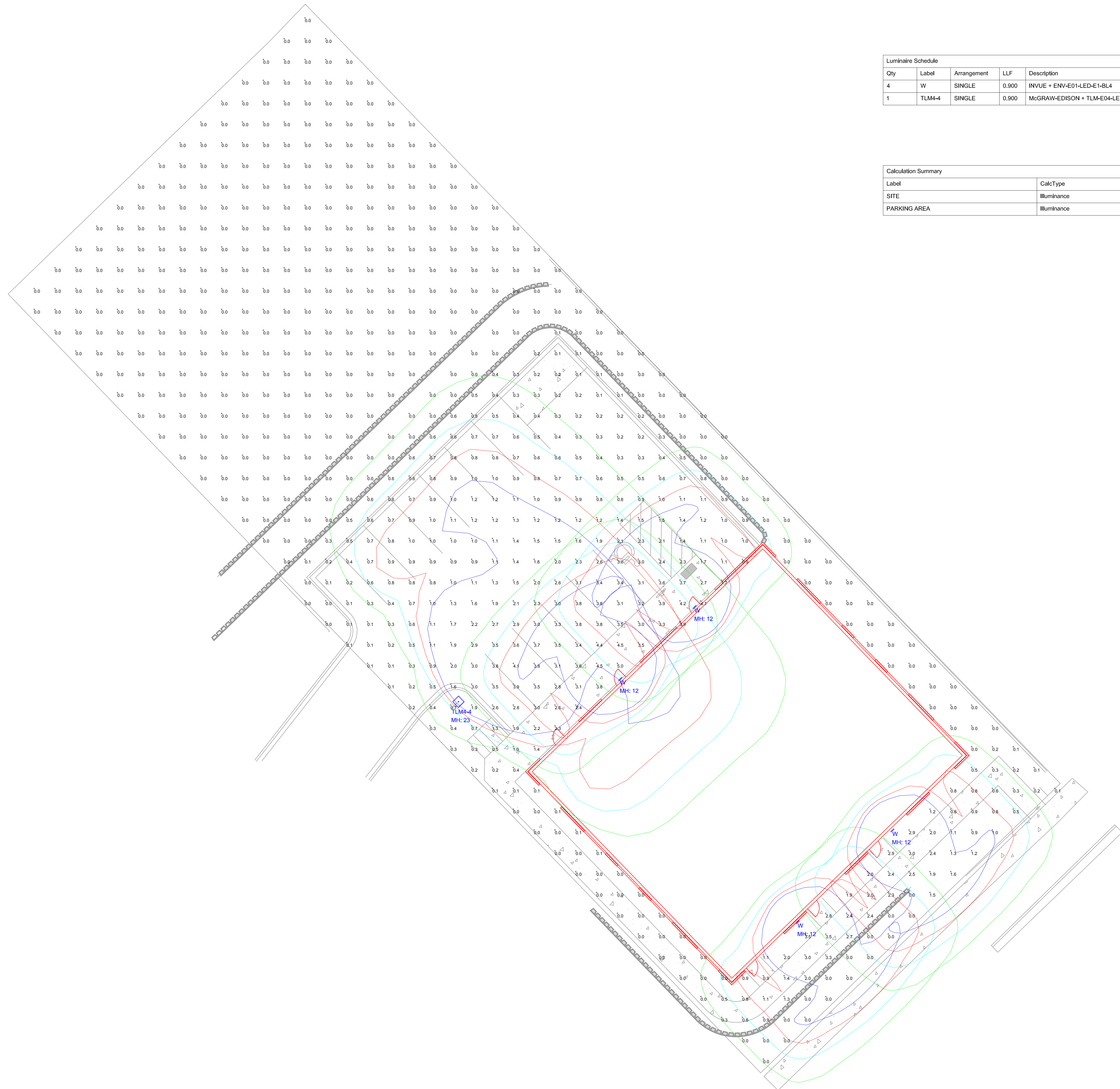
Tabulation of Points and Credits:				Existing Qty. Pts.		Proposed Qty. Pts.	
Plant Type/Element	Min. size	Points					
Overstory deciduous tree	2 1/2" cal.	35	-	-	5	175	
Ornamental tree	1 1/2" cal.	15	-	-	2	30	
Upright evergreen shrub	3-4 feet tall	10	-	-	-	-	
Shrub, deciduous	18" or 3 gal.	3	-	-	52	156	
Shrub, evergreen	18" or 3 gal.	4	-	-	-	-	
Ornamental grasses	18" or 3 gal.	2	-	-	18	36	
Ornamental fence or wall	na	4 per 10 lf	-	-	-	-	
Total			-	-	-	397	

397 Total Points Provided (113 Required)

1 LANDSCAPE PLAN


1/16"= 1'- 0"





Luminaire Schedule							
Qty	Label	Arrangement	LLF	Description	Lum. Watts	Total Watts	Lum. Lumens
4	W	SINGLE	0.900	INVUE + ENV-E01-LED-E1-BL4	24.7	98.8	2613
1	TLM-4	SINGLE	0.900	McGRAW-EDISON + TLM-E04-LED-E1-SL4-HSS (20' POLE 3; BA	97.2	97.2	8139

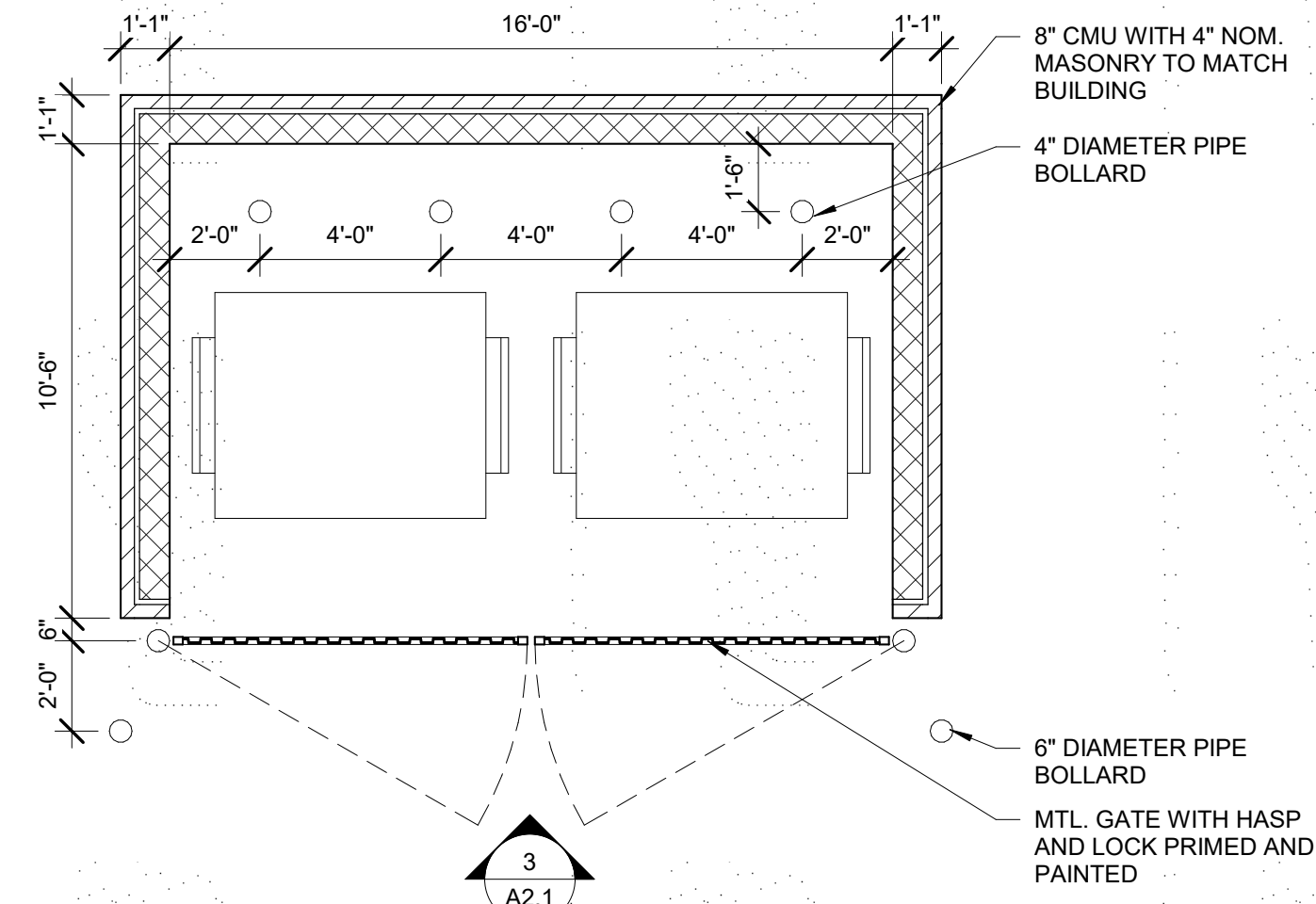
Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE	Illuminance	Fc	0.58	5.0	0.0	N.A.	N.A.
PARKING AREA	Illuminance	Fc	1.48	4.4	0.1	14.80	44.00

Enterprise Lighting LTD

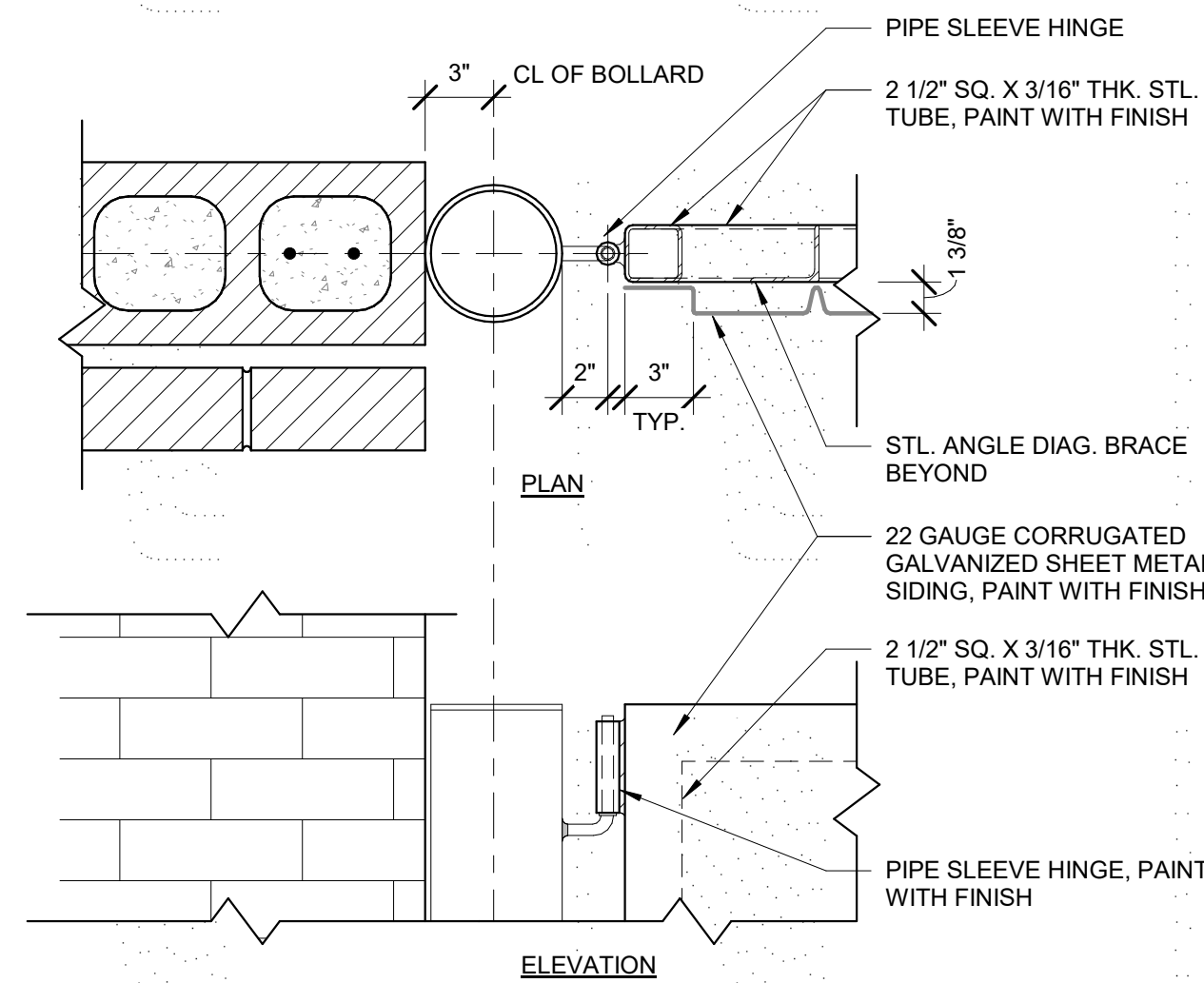
MULTI-TENANT BUILDING
4706 E WASHINGTON AVE
MADISON, WISCONSIN

SITE
LIGHTING LAYOUT

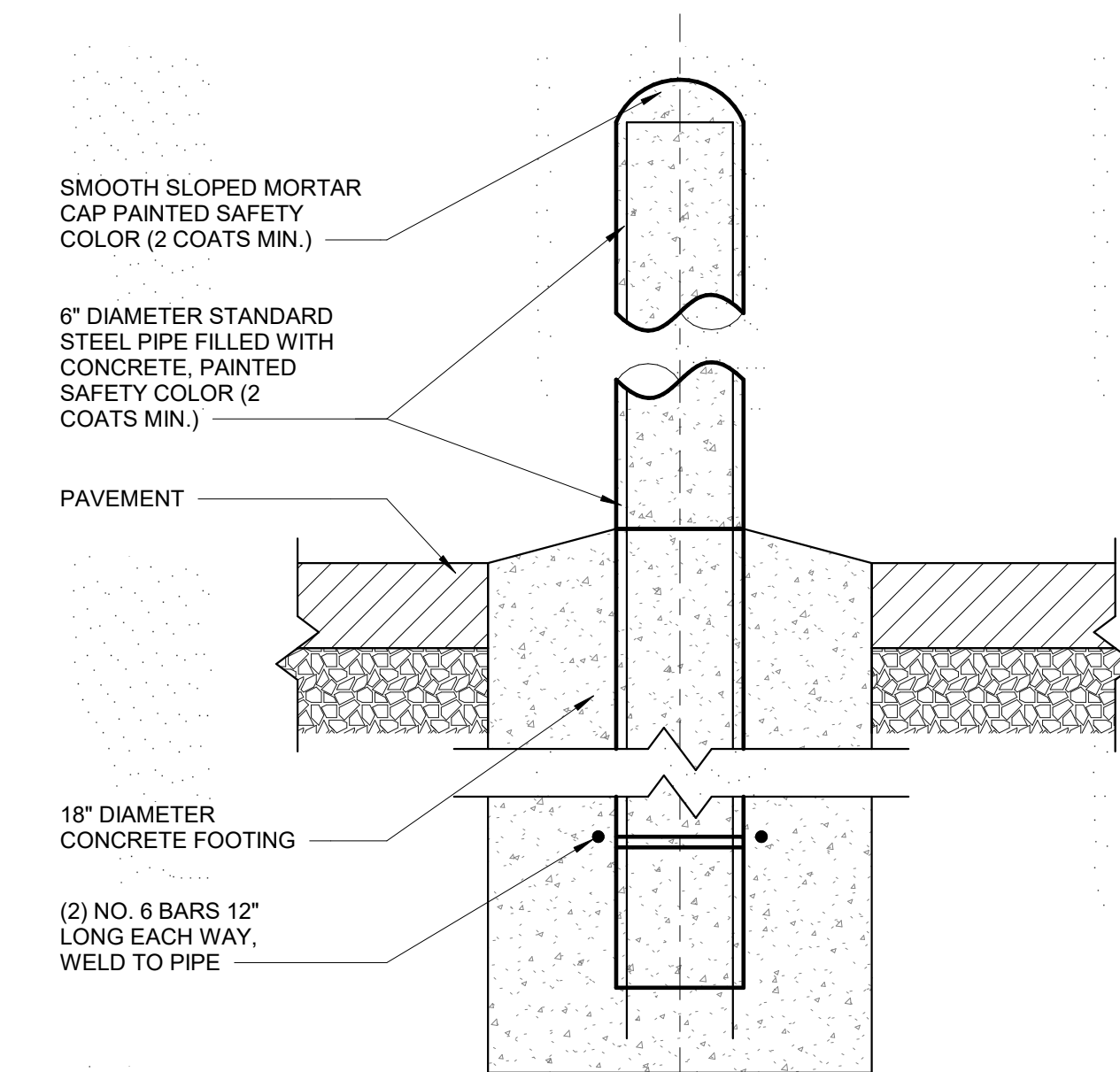
DATE JAN 8, 2019	SCALE 1/32" = 1'- 0"	SHEET NUMBER E1
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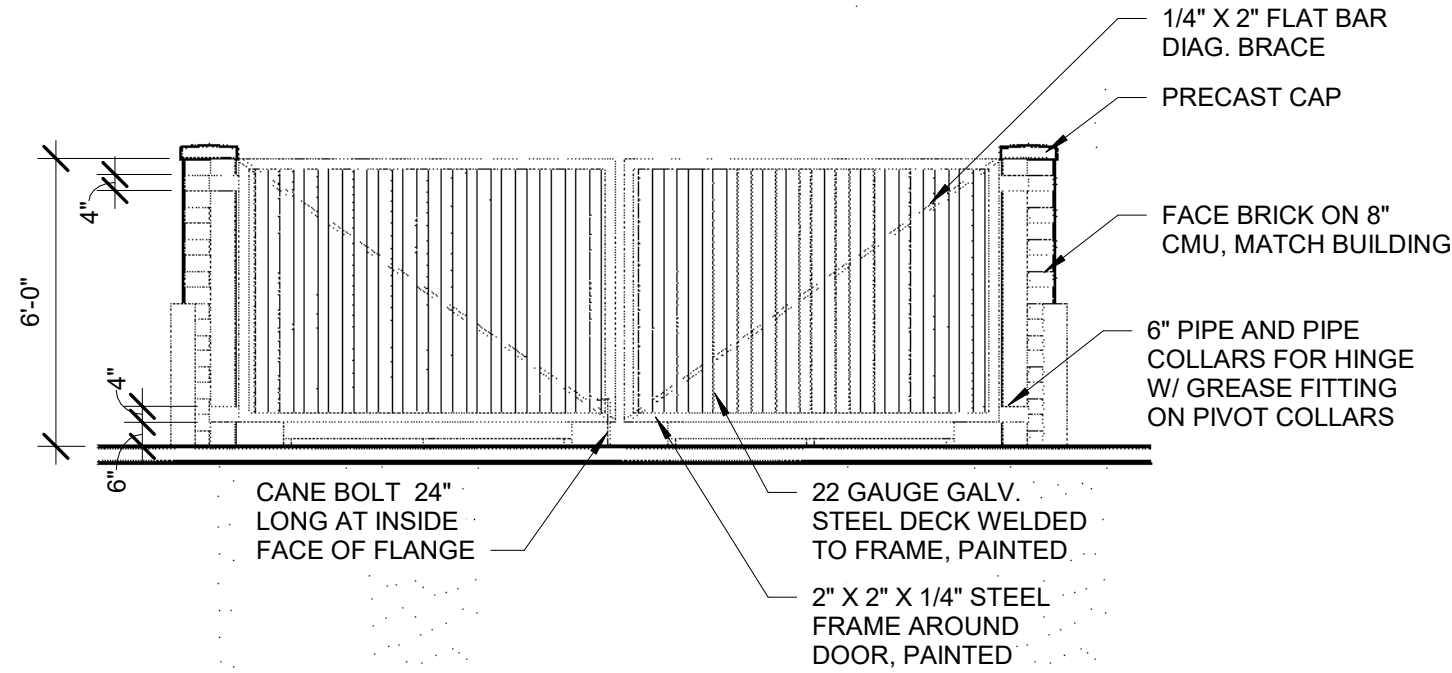
2 TRASH ENCLOSURE PLAN
1/4" = 1'-0"



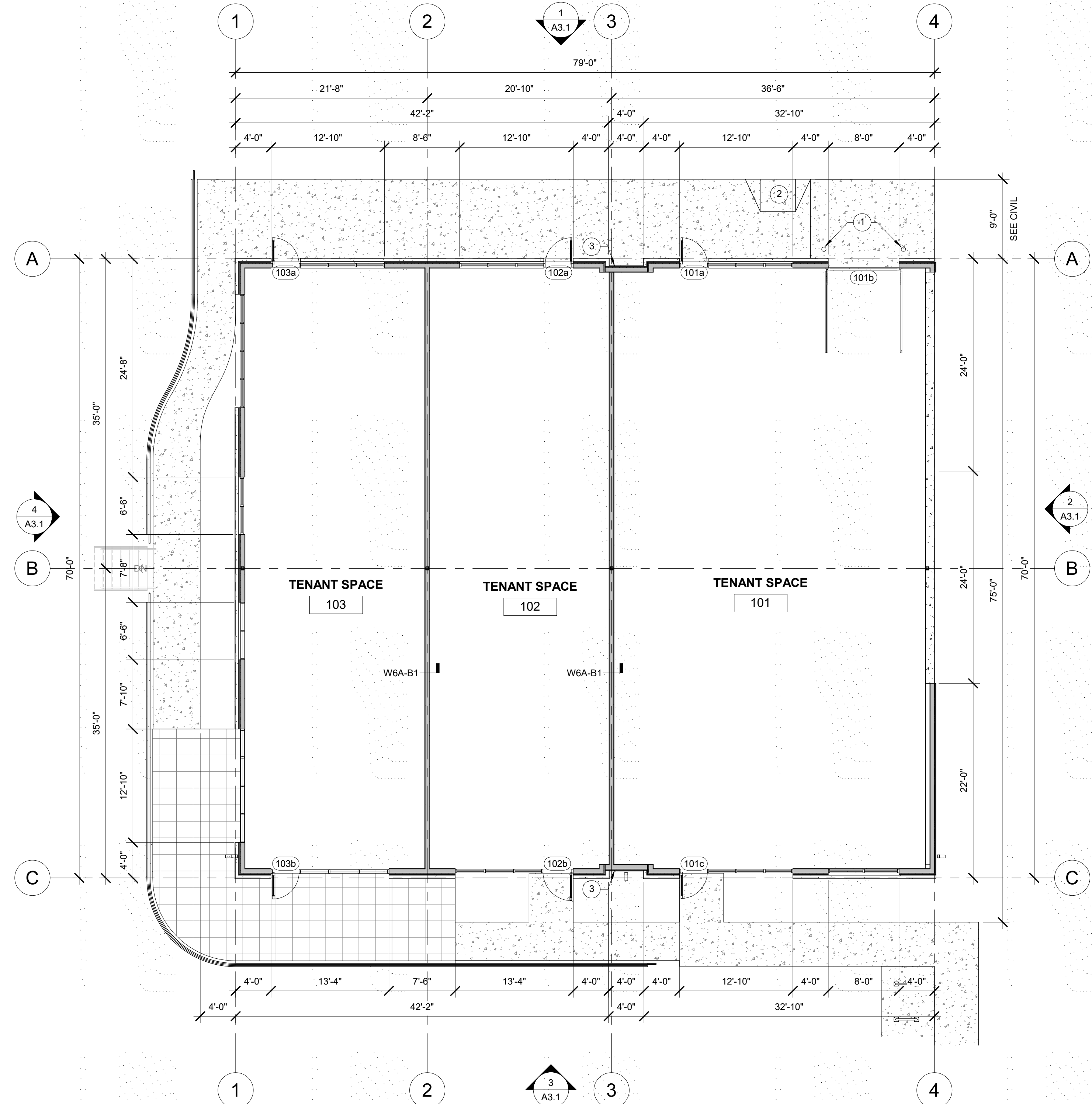
4 TRASH GATE DETAIL
1 1/2" = 1'-0"



5 BOLLARD DETAIL
N.T.S.



3 TRASH ENCLOSURE ELEVATION
1/4" = 1'-0"



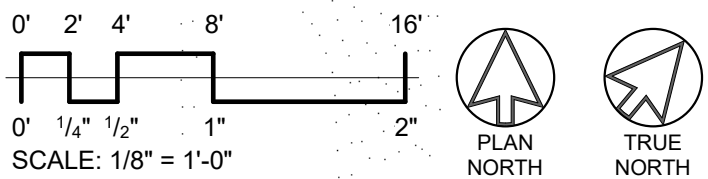
1 FLOOR PLAN
1/8" = 1'-0"

GENERAL PLAN NOTES:

- A. MECHANICAL, ELECTRICAL AND PLUMBING IMPROVEMENTS TO BE DESIGN BUILD UNO. DESIGNED AS REQUIRED BY CURRENT BUILDING CODES. MEP DESIGN BUILD CONTRACTOR(S) RESPONSIBLE FOR ENSURING CODE COMPLIANT CONSTRUCTION OF NEW SYSTEMS IN TENANT SPACES.
- B. PROVIDE ACCESSIBLE TOILET ROOM FIXTURES AND ACCESSORIES PER MOUNTING HEIGHTS INDICATED ON SHEET A0.2
- C. PROVIDE ADA APPROVED THRESHOLDS AT ALL NEW FLOOR TRANSITIONS AND DOORWAYS
- D. EXTERIOR DIMENSIONS ARE FROM GRIDLINE TO GRIDLINE, OR TO EDGE OF FOUNDATION WALL UNO. PLEASE CONTACT ARCHITECT WITH ANY DISCREPANCIES.
- E. INTERIOR DIMENSIONS ARE TO FACE OF FRAME OR COLUMN CENTERLINE UNLESS OTHERWISE NOTED. VERIFY ALL EXISTING CONDITIONS AND ADJUST WALL DIMENSIONS ACCORDINGLY. CONTACT ARCHITECT WITH ANY DISCREPANCIES.
- F. CONTRACTOR SHALL NOTIFY ARCHITECT, ENGINEER AND OWNER IMMEDIATELY UPON DISCOVERING ANY UNANTICIPATED STRUCTURAL CONDITIONS OR DISCREPANCIES WITH PROPOSED MODIFICATIONS.
- G. PROVIDE SOUND INSULATION IN ALL DEMISING WALLS AND INTERIOR WALLS UNO
- H. FIRE EXTINGUISHER CABINETS: SIZE AND DISTRIBUTION PER TABLE 906.3(1) IN THE 2015 IBC. CABINETS TO BE PARTIALLY RECESSED AND RATED TO MEET THE ASSOCIATED WALL FIRE RATING
- I. GENERAL CONTRACTOR TO SECURE CONSTRUCTION AREA DURING CONSTRUCTION WORK. SEAL ALL DOORS AS REQUIRED. CONSTRUCT AND MAINTAIN A FLOOR TO CEILING DUST BARRIER, TO PROVIDE SEPARATION FOR DUST, DEBRIS AND SOUND
- J. GENERAL CONTRACTOR TO COORDINATE CONSTRUCTION SCHEDULE TO MINIMIZE IMPACT ON EXISTING BUILDING OPERATIONS AND PLANNED EVENTS. CONSTRUCTION SPACE MUST BE CLEAN AND AVAILABLE FOR USE PERIODICALLY PER OWNERS REQUEST. VERIFY SCHEDULED EVENTS WITH OWNER PRIOR TO CONSTRUCTION START AND ARRANGE CONSTRUCTION SCHEDULE TO MEET OWNER'S NEEDS. COORDINATE SYSTEMS AND UTILITY SHUT DOWNS WITH OWNER PRIOR TO COMMENCEMENT OF WORK
- K. GENERAL CONTRACTOR TO MAINTAIN A PATH THROUGH PORTIONS OF THE CONSTRUCTION AREA FOR ACCESS TO EGRESS ROUTES
- L. SUBMIT ALL FINISHES TO THE ARCHITECT FOR APPROVAL

KEYED PLAN NOTES:

- 1 PIPE BOLLARDS
- 2 ADA RAMP - SEE CIVIL DRAWINGS
- 3 EXTERIOR HOSE BIB - ALIGN WITH DEMISING WALL



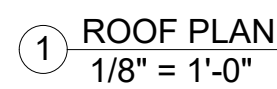
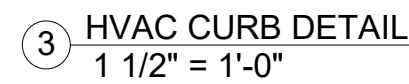
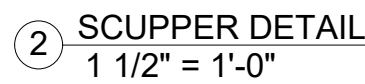
MULTI-TENANT BUILDING
NEW COMMERCIAL BUILDING
4706 E. WASHINGTON AVE.
MADISON, WI 53704

FIRST FLOOR PLAN

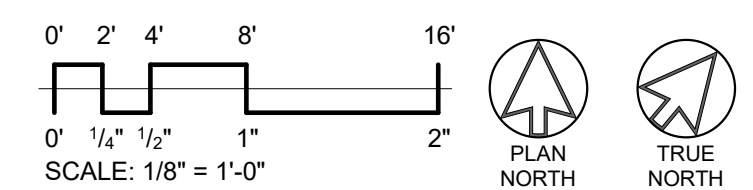
Project Status

A	19/01/09	PC SUBMITTAL
C	19/03/28	UDC SUBMITTAL

A2.1

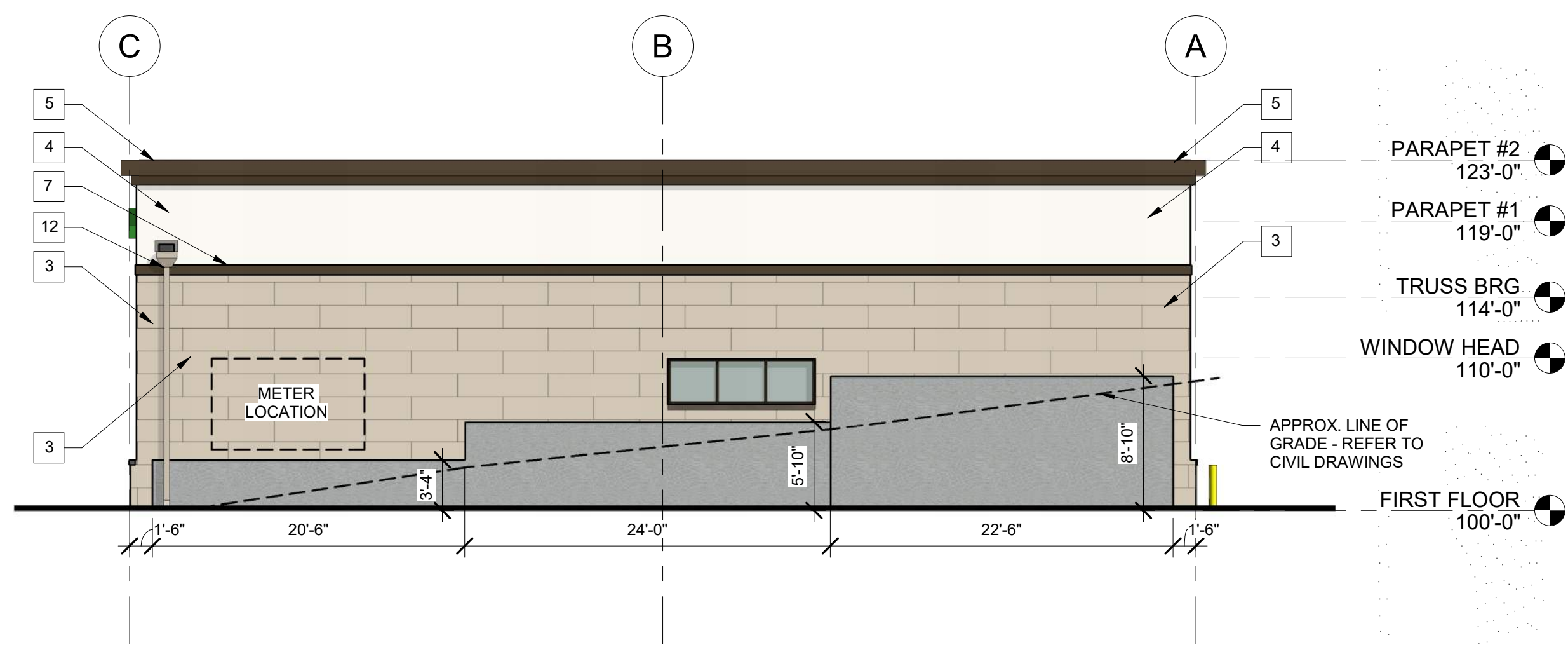


- 1 PREFINISHED SCUPPER AND DOWNSPOUT, COLOR T.B.D
- 2 SLOPED INSULATION ROOF CRICKET
- 3 FULLY ADHERED EPDM ROOFING OVER R-25 MIN. RIGID INSULATION ON ROOF SHEATHING OVER TAPERED ROOF TRUSSES





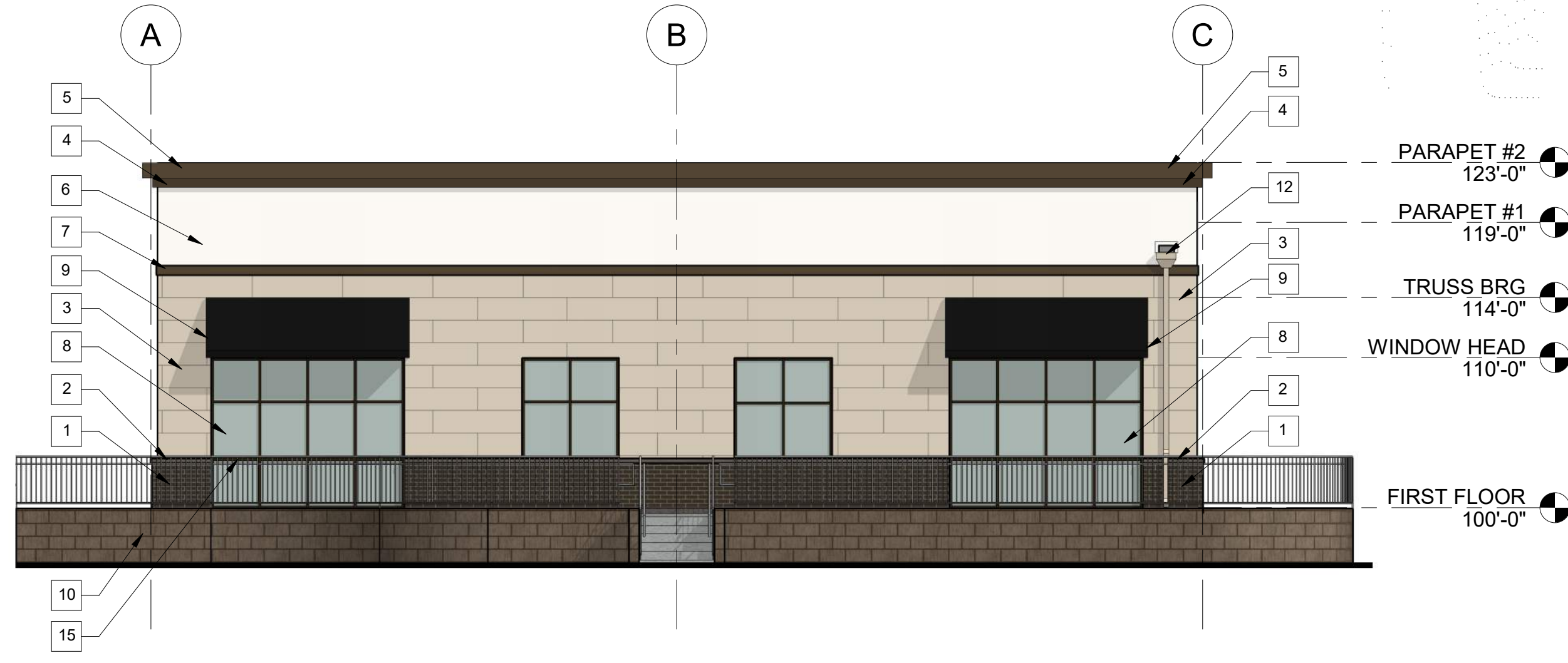
1 NORTH ELEVATION
1/8" = 1'-0"



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



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



4 WEST ELEVATION
1/8" = 1'-0"

28.060 GENERAL PROVISIONS FOR MIXED-USE COMMERCIAL DISTRICTS - DOOR AND WINDOW OPENING REQUIREMENTS

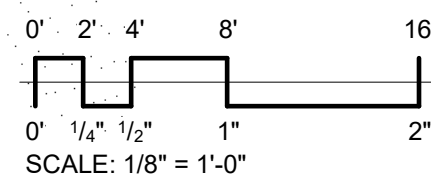
60% OF LENGTH AT GROUND FLOOR
REQUIRED: 47'-5"
PROVIDED: 47'-6"

40% OF AREA OF GROUND FLOOR STREET FACADE
REQUIRED: 442.4 SF
PROVIDED: 448.3 SF

50% OF WINDOW SILLS WITHIN 3'-0" OF GRADE
REQUIRED: 23'-9"
PROVIDED: 39'-6"

EXTERIOR MATERIAL LIST

#	DESCRIPTION	MANUFACTURER	TYPE/STYLE	COLOR	COMMENTS
1	BRICK VENEER	SIoux CITY BRICK	MODULAR	BLACK HILLS VELOUR	
2	PRECAST SILL	CUSTOM CAST STONE	SMOOTH FACE	OLIVE BUFF	
3	FIBER CEMENT PANEL	ALLURA OR EQUIVALENT	SMOOTH FACE PANEL	LINEN	
4	EIFS FASCIA	DRYVIT	SHOT BLAST FINE	WELL BRED BROWN	
5	PREFINISHED METAL COPING	DRYVIT	SHOT BLAST FINE	MEDIUM BRONZE	MATCH ALUMINUM STOREFRONT
6	EIFS SIGNAGE BAND	DRYVIT	SHOT BLAST FINE	NATURAL WHITE	
7	EIFS SIGNAGE TRIM	DRYVIT	SHOT BLAST FINE	WELL BRED BROWN	
8	ALUMINUM STOREFRONT			ANODIZED MEDIUM BRONZE	LOW-E GLAZING
9	FABRIC AWNING			BLACK	
10	CMU RETAINING WALL				
11	OVERHEAD DOOR			ANODIZED DARK BRONZE	COLOR TO MATCH BLACK HILLS VELOUR BRICK
12	PREFINISHED SCUPPER AND DOWNSPOUT				MATCH ALUMINUM STOREFRONT
13	FIBER CEMENT SIDING	JAMES HARDIE OR EQUIVALENT	SMOOTH TEXTURE	RICH ESPRESSO	COLOR TO MATCH ADJACENT FIBER CEMENT MATERIAL
14	CAST STONE	CUSTOM CAST STONE	SMOOTH FACE	OLIVE BUFF	
15	GUARDRAIL				
16	TENANT SIGNABLE AREA				PROVIDE ELECTRICAL CONNECTION FOR TENANT SIGNAGE





NEW COMMERCIAL BUILDING
4706 E. WASHINGTON AVE.
MADISON, WI 53704

EXTERIOR RENDERING

Project Status	
Project A	On Track
Project B	Delayed
Project C	On Track
Project D	On Track
Project E	On Track
Project F	On Track
Project G	On Track
Project H	On Track
Project I	On Track
Project J	On Track
Project K	On Track
Project L	On Track
Project M	On Track
Project N	On Track
Project O	On Track
Project P	On Track
Project Q	On Track
Project R	On Track
Project S	On Track
Project T	On Track
Project U	On Track
Project V	On Track
Project W	On Track
Project X	On Track
Project Y	On Track
Project Z	On Track

[illegible]

A3.2



NEW COMMERCIAL BUILDING
4706 E. WASHINGTON AVE.
MADISON, WI 53704

EXTERIOR RENDERING

Project Status	
Project A	On Track
Project B	Delayed
Project C	On Track
Project D	On Track
Project E	On Track
Project F	On Track
Project G	On Track
Project H	On Track
Project I	On Track
Project J	On Track
Project K	On Track
Project L	On Track
Project M	On Track
Project N	On Track
Project O	On Track
Project P	On Track
Project Q	On Track
Project R	On Track
Project S	On Track
Project T	On Track
Project U	On Track
Project V	On Track
Project W	On Track
Project X	On Track
Project Y	On Track
Project Z	On Track

[illegible]

A3.3



Job Name:
4706 E Washington Ave

Catalog Number:
ENV-E01-LED-E1-BL4-STD FINISH

Notes:

Type:

W

ELL19-84128

DESCRIPTION

The Entri LED luminaire features a classic and stylish design with the added benefits of solid state lighting technology, offering outstanding uniformity and energy savings. Using Eaton's proprietary LED LightBAR™ technology and AccuLED Optics™ system, the Entri LED luminaire offers designers vast versatility in system design, function and performance. Use Entri LED for wall mount architectural lighting applications and egress lighting requirements. UL/cUL listed for use in wet locations.

SPECIFICATION FEATURES

Construction

HOUSING: Heavy wall, one-piece, die-cast aluminum construction for precise tolerance control and repeatability in manufacturing. Integral extruded aluminum heat sink provides superior thermal heat transfer in +40°C ambient environments. **FACEPLATE / DOOR:** One-piece, die-cast aluminum construction. Captive, side hinged faceplate swings open via release of one flush mount die-cast aluminum latch on housing side panel. **GASKET:** One-piece molded silicone gasket mates perfectly between the door and housing for repeatable seal. **LENS:** Uplight lens is impact-resistant, 5/32" thick tempered frosted glass sealed to housing with continuous bead silicone gasket. Downlight lens is LED board integrated acrylic over-optics, each individually sealed for IP66 rating. **HARDWARE:** Stainless steel mounting screws and latch hardware allow access to electrical components for installation and servicing.

Optics

Choice of six patented, high-efficiency AccuLED Optic distributions. Optics are precisely designed to shape the light output, maximizing efficiency and application spacing. AccuLED Optic technology creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in

4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K CCT and 5000K CCT.

Electrical

LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Greater than 0.9 power factor, less than 20% harmonic distortion, and is suitable for operation in -40°C to 40°C ambient environments. All fixtures are shipped standard with 10kV/10kA common - and differential - mode surge protection. LightBARs feature and IP66 enclosure rating and maintain greater than 95% lumen maintenance at 60,000 hours per IESNA TM-21. Emergency egress options for -20°C ambient environments, occupancy sensor and dimming options available.

Mounting

JUNCTION BOX: Standard with zinc-plated, quick-mount junction box plate that mounts directly to 4" J-Box. LightBARs mount facing downward. Fixture slides over mounting plate and is secured with two stainless steel fasteners. Mounting plate features a one-piece EPDM gasket on back side of plate to firmly seal fixture to

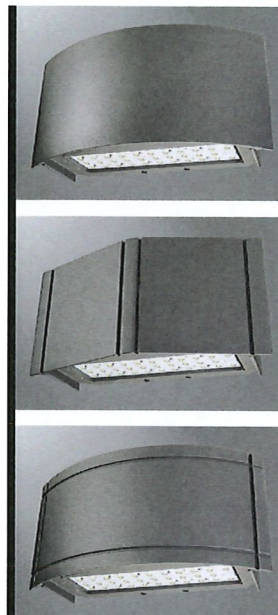
wall surface, forbidding entry of moisture and particulates. Optional mounting arrangements utilize a die-cast mounting adaptor box to allow for LED battery pack, surface conduit and through branch wiring. The Entri LED luminaire is approved for mounting on combustible surfaces.

Finish

Housing is finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. LightBAR cover plates are standard white and may be specified to match finish of luminaire housing. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult Outdoor Architectural Colors brochure for a complete selection.

Warranty

Five-year warranty.



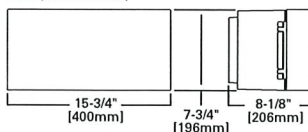
**ENC/ENT/ENV
ENTRI LED**

**1 - 2 LightBARs
Solid State LED**

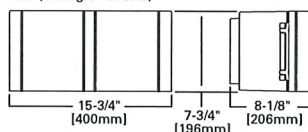
**ARCHITECTURAL WALL
LUMINAIRE**

DIMENSIONS

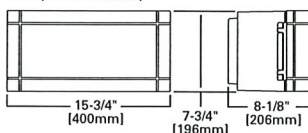
ENC (Round Clean)



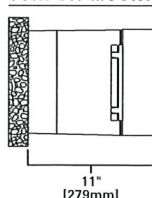
ENT (Triangle Reveals)



ENV (Round Reveals)



CONDUIT MOUNT / BATTERY BACK BOX



CERTIFICATION DATA

UL/cUL Listed
ISO 9001
IP66 LightBARs
LM79 / LM80 Compliant

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz,
480V/60Hz
-30°C Minimum Temperature
40°C Ambient Temperature Rating

SHIPPING DATA

Approximate Net Weight:
16 lbs. (7.3 kgs.)



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2017-10-09 10:01:22



**ENC/ENT/ENV ENTRILED****CONTROL OPTIONS****0-10V**

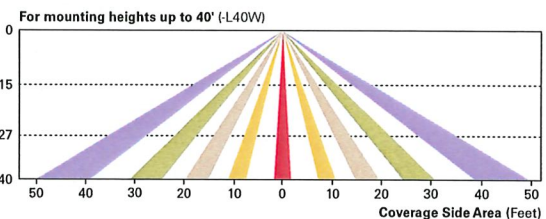
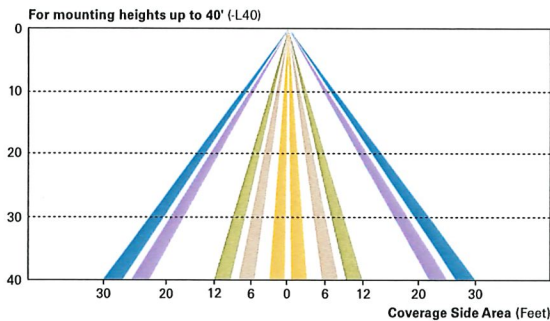
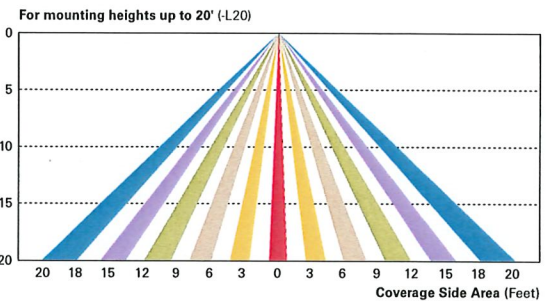
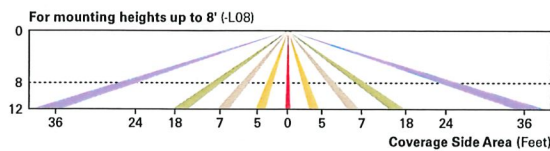
This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Dimming Occupancy Sensor (MS/DIM-LXX and MS-LXX)

These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

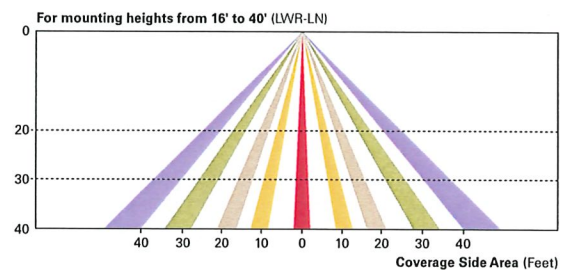
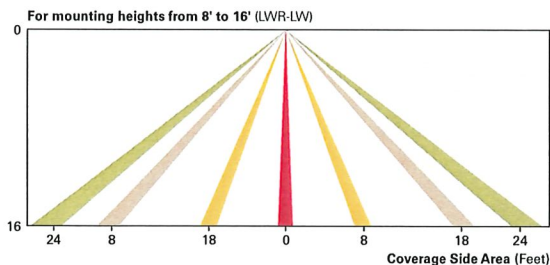
These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters.

A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-40'.

**LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)**

The LumaWatt Pro system is a peer-to-peer wireless network of luminaire-integral sensors for any sized project. Each sensor is capable of motion and photo sensing, metering power consumption and wireless communication. The end-user can securely create and manage sensor profiles with browser-based management software. The software will automatically broadcast to the sensors via wireless gateways for zone-based and individual luminaire control. The LumaWatt Pro software provides smart building solutions by utilizing the sensor to provide easy-to-use dashboard and analytic capabilities such as improved energy savings, traffic flow analysis, building management software integration and more.

For additional details, refer to the LumaWatt Pro product guides.





Job Name:
4706 E Washington Ave

Catalog Number:
ENV-E01-LED-E1-BL4-STD FINISH

Notes:

Type:

W

ELL19-84128

ENC/ENT/ENV ENTRI LED

POWER AND LUMENS BY BAR COUNT

Number of LightBARs		E01	E02	F01	F02
		21 LED LightBAR	7 LED LightBAR		
Drive Current		35 mA	1A		
Power (Watts)	120-277V	25W	47W	26W	50W
Current (A)	120V	0.22	0.40	0.22	0.42
	277V	0.10	0.18	0.10	0.19
Power (Watts)	347V or 480V	31W	52W	32W	55W
Current (A)	347V	0.11	0.16	0.11	0.17
	480V	0.16	0.18	0.16	0.18
Optics					
BL2	Lumens	2,738	5,476	2,260	4,521
	Bug Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
BL3	Lumens	2,702	5,405	2,231	4,462
	Bug Rating	B1-U0-G1	B1-U0-G2	B1-U0-G1	B1-U0-G1
BL4	Lumens	2,613	5,225	2,157	4,313
	Bug Rating	B1-U0-G1	B1-U0-G2	B1-U0-G1	B1-U0-G1
GZW	Lumens	2,785	5,570	2,299	4,598
	Bug Rating	B2-U0-G2	B3-U0-G3	B1-U0-G1	B2-U0-G2
SLR/SLL	Lumens	2,435	4,869	2,010	4,020
	Bug Rating	B1-U0-G1	B1-U0-G2	B1-U0-G1	B1-U0-G2

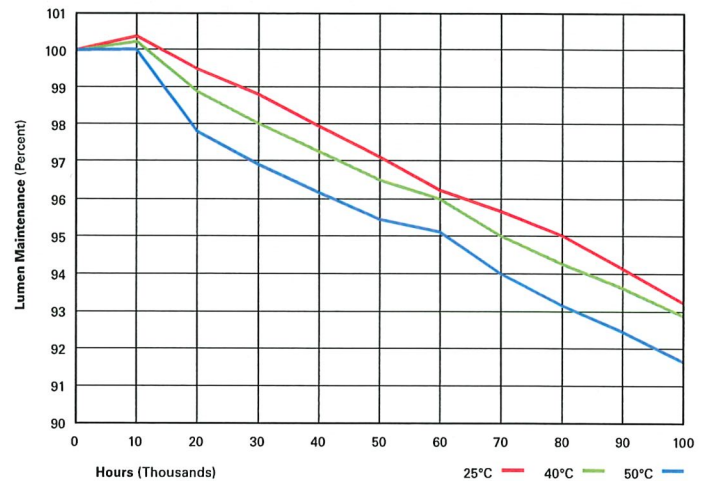
LUMEN MAINTENANCE

Ambient Temperature	25,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours	Theoretical L70 (Hours)
25°C	> 99%	> 97%	> 96%	> 93%	> 450,000
40°C	> 98%	> 97%	> 96%	> 92%	> 425,000
50°C	> 97%	> 96%	> 95%	> 91%	> 400,000

* Per IESNA TM-21 data.

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99



ORDERING INFORMATION

Sample Number: ENC-E02-LED-E1-BL3-GM

TBD

Product Family	Number of LightBARs ¹	Lamp Type	Voltage	Distribution	Color ³
ENC=Entri Round Clean ENT=Entri Triangle Reveals ENV=Entri Round Reveals	E01=(1) 21 LED LightBAR E02=(2) 21 LED LightBARs F01=(1) 7 LED LightBAR F02=(2) 7 LED LightBARs	LED=Solid State Light Emitting Diodes	E1=Electronic (120-277V) 347=347V 480=480V ²	BL2=Type II w/Back Light Control BL3=Type III w/Back Light Control BL4=Type IV w/Back Light Control GZW=Wall Grazer Wide SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White
Options (Add as Suffix)			Accessories (Order Separately) ⁹		
ULG=Uplight Glow (For Uplight Only) PC=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) WG=Wire Guard TP=Tamper Resistant Hardware LCF=LightBAR Cover Plate Matches Housing Finish 7030=70 CRI / 3000K CCT ⁴ 7050=70 CRI / 5000K CCT ⁴ 8030=80 CRI / 3000K CCT ⁴ OSB=Occupancy Sensor with Back Box (Specify 120V or 277V) ⁵ BBB=Battery Pack with Back Box (Specify 120V or 277V) ⁶ CWB=Cold Weather Battery Pack with Back Box (Specify 120V or 277V) ⁷ DIM=0-10V Dimming Driver LWR-LW= LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ⁸ LWR-LN= LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height ⁸			VA2001-XX=Thru-Way Conduit Box VA6172=Wire Guard VA6173=Tamper-Resistant Driver Bit MA1253=10KV Circuit Module Replacement		

NOTES:

1. Standard 4000K CCT and greater than 70 CRI. LightBARs for downlight use only.

2. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems)

3. Custom and RAL color matching available upon request. Consult your lighting representative at Eaton for more information.

4. Extended lead times apply.

5. Available with E02 or F02, only one bar on street side will be wired to sensor. Time delay factory setting 15-minutes. When ordered with PC option, both bars are connected to photocontrol as primary switching means. Standard sensor lens covers 8' mounting height, 360° coverage, maximum 48" diameter. Not available in all configurations or with BBB or CWB options.

6. Specify 120V or 277V. LED standard integral battery pack is rated for minimum operating temperature 32°F (0°C). Operates one bar for 90-minutes. Not available in all configurations or with OSB option.

Consult factory.

7. Specify 120V or 277V. LED cold weather integral battery pack is rated for minimum operating temperature -4°F (-20°C). Operates one bar for 90-minutes. Not available in all configurations or with OSB option.

Consult factory.

8. LumaWatt Pro wireless sensors are factory installed only, order with OSB backbox, requiring network components LWP-EM-1, LWP-GW-1, LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information.

9. Replace XX with color suffix.



Eaton
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

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2017-10-09 10:01:22



Job Name:
4706 E Washington Ave

Catalog Number:
TLM-E04-LED-E1-SL4-STD FINISH-
HSS
Notes:

Type:
TLM-4
ELL19-84128

DESCRIPTION

The Talon luminaire is the most versatile, functionally designed, universally adaptable outdoor luminaire available. Incorporating modular LED LightBAR™ technology, the Talon luminaire brings outstanding uniformity and energy-conscious illumination to walkways, parking lots, roadways, building areas and any security lighting application. UL/cUL listed for wet locations.

SPECIFICATION FEATURES

Construction

One-piece heavy-wall, die-cast aluminum construction with integral reveal channels along top surface of housing. Optimized for reliable operation from 40°C down to -40°C, internal cast-in wall separates optical and electrical chambers allowing components to operate cooler. Stainless steel latches and hinges allow for tool-less opening and removal of door frame.

Optics

Choice of twelve patented, high-efficiency AccuLED Optics™ distributions. Optics are precisely designed to shape the light output, maximizing efficiency and application spacing. AccuLED Optics technology creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K CCT, 5000K CCT and 5700K CCT. For the ultimate level of spill light control, an optional house-side shield accessory can be field or factory installed. The house-side shield is designed to seamlessly integrate with the SL2, SL3 or SL4 optics.

Electrical

LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Greater than 0.9 power factor, less than 20% harmonic distortion. All fixtures are shipped standard with 10kV/10kA common – and differential – mode surge protection. LightBARs feature an IP66 enclosure rating and maintain greater than 95% lumen maintenance at 60,000 hours per IESNA TM-21. Occupancy sensor and dimming options available.

Mounting

Extruded 8" aluminum arm includes internal bolt guides allowing for easy positioning of fixture during installation to pole or wall surface. Standard single carton packaging of housing, square pole arm and round pole adapter for contractor-friendly arrival of product on site. Optional mounting methods include a wall mount plate, an external mast arm that accepts 2-3/8" O.D. horizontal tenons and direct mounting to pole or wall surfaces. Tenon adapters

available to slipfit over poles equipped with 2-3/8" or 3-1/2" O.D. tenon. 3G vibration rated.

Finish

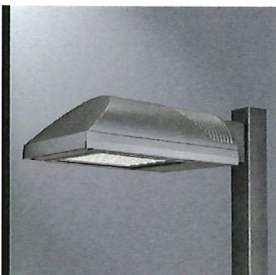
Housing and arm finished in a five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

Warranty

Five-year warranty.

McGraw-Edison

Catalog #	Type
Project	
Comments	Date
Prepared by	



TLM TALON MEDIUM LED

1 - 6 LightBARs
Solid State LED

ARCHITECTURAL AREA
LUMINAIRE



CERTIFICATION DATA

UL/cUL Listed
LM79 / LM80 Compliant
IP66 LightBARs
3G Vibration Rated
ISO 9001
DesignLights Consortium™ Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz,
480V/60Hz
-40°C Minimum Temperature
40°C Ambient Temperature Rating

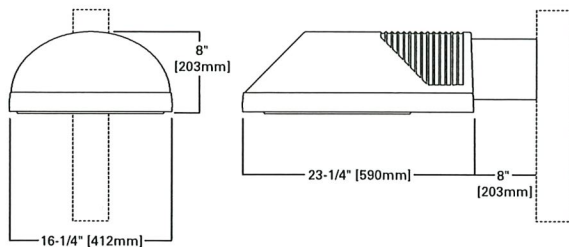
EPA

Effective Projected Area: (Sq. Ft.)
1.89 with 8" Arm

SHIPPING DATA

Approximate Net Weight:
42 lbs. (19.09 kgs.)

DIMENSIONS



*www.designlights.org



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2016-01-13 14:20:24



Job Name:
4706 E Washington Ave

Catalog Number:
TLM-E04-LED-E1-SL4-STD FINISH-
HSS
Notes:

Type:
TLM-4
ELL19-84128

TLM TALON MEDIUM LED

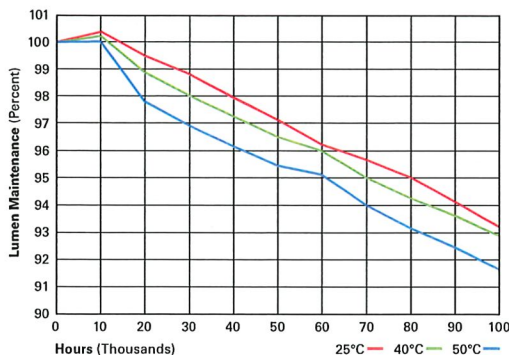
POWER AND LUMENS BY BAR COUNT (21 LED LIGHTBARS)

Number of LightBARs		E01	E02	E03	E04	E05	E06
Drive Current		350mA Drive Current					
Power (Watts)		25W	52W	75W	97W	127W	149W
Current @ 120V (A)		0.22	0.44	0.63	0.82	1.07	1.26
Current @ 277V (A)		0.10	0.20	0.28	0.36	0.48	0.56
Power (Watts)		31W	58W	82W	99W	132W	159W
Current @ 347V (A)		0.11	0.19	0.28	0.29	0.39	0.48
Current @ 480V (A)		0.09	0.15	0.20	0.21	0.30	0.36
T2	Lumens	3,064	6,128	9,192	12,255	15,319	18,383
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
T3	Lumens	3,084	6,168	9,252	12,336	15,420	18,504
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3
T4	Lumens	3,022	6,044	9,066	12,088	15,110	18,132
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3
5MQ	Lumens	3,224	6,448	9,672	12,896	16,120	19,344
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
5WQ	Lumens	3,184	6,368	9,551	12,735	15,919	19,103
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3
5XQ	Lumens	3,181	6,361	9,542	12,722	15,903	19,083
	BUG Rating	B2-U0-G2	B3-U0-G2	B3-U0-G3	B4-U0-G3	B4-U0-G4	B4-U0-G4
SL2	Lumens	3,055	6,110	9,165	12,220	15,275	18,331
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3
SL3	Lumens	3,036	6,072	9,108	12,145	15,181	18,217
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3
SL4	Lumens	2,954	5,908	8,862	11,816	14,771	17,725
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3
RW	Lumens	3,124	6,248	9,372	12,496	15,620	18,744
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4
SLL/SLR	Lumens	2,782	5,565	8,347	11,130	13,912	16,695
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4

LUMEN MAINTENANCE

Ambient Temperature	25,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours	Theoretical L70 (Hours)
25°C	> 99%	> 97%	> 96%	> 93%	> 450,000
40°C	> 98%	> 97%	> 96%	> 92%	> 425,000
50°C	> 97%	> 96%	> 95%	> 91%	> 400,000

* Per IESNA TM-21 data.



LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99
50°C	0.96



Job Name:
4706 E Washington Ave

Catalog Number:
TLM-E04-LED-E1-SL4-STD FINISH-HSS
Notes:

Type:
TLM-4
ELL19-84128

TLM TALON MEDIUM LED

MOUNTING CONFIGURATIONS

Wall Mount

Arm Mount Single
EPA 1.89

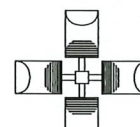
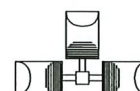
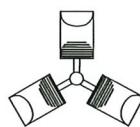
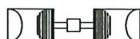
Arm Mount 2 @ 180°
EPA 3.55

Arm Mount 2 @ 90°
EPA 3.43

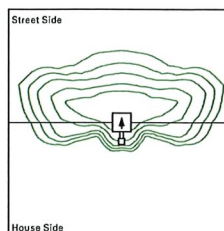
Arm Mount 3 @ 120°
(Round Pole Only)
EPA 3.63

Arm Mount 3 @ 90°
EPA 3.92

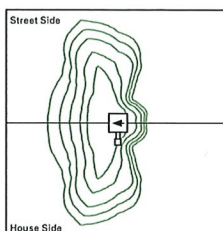
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EPA 4.17



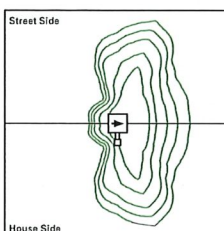
OPTIC ORIENTATION



Standard



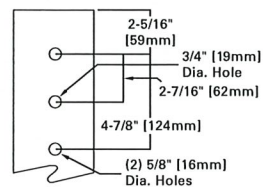
Optics Rotated Left @ 90° [L90]



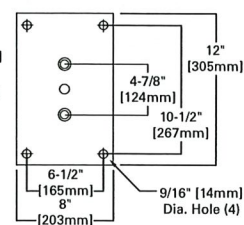
Optics Rotated Right @ 90° [R90]

ARM DRILLING

TYPE "M"



WALL MOUNT



ORDERING INFORMATION

Sample Number: TLM-E03-LED-E1-T3-BK

TBD

Product Family ^{1,2,3}	Number of LightBARs ^{4,5}	Lamp Type	Voltage	Distribution	Color ⁷
TLM=Talon Medium	E01=(1) 21 LED LightBAR E02=(2) 21 LED LightBARs E03=(3) 21 LED LightBARs E04=(4) 21 LED LightBARs E05=(5) 21 LED LightBARs E06=(6) 21 LED LightBARs F01=(1) 7 LED LightBAR F02=(2) 7 LED LightBARs F03=(3) 7 LED LightBARs F04=(4) 7 LED LightBARs F05=(5) 7 LED LightBARs F06=(6) 7 LED LightBARs	LED=Solid State Light Emitting Diodes	E1=Electronic (120-277V) 347=347V 480=480V *	T2=Type II T3=Type III T4=Type IV SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control 5MQ=Type V Square Medium 5WQ=Type V Square Wide 5XQ=Type V Square Extra Wide RW=Rectangular Wide SL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White
Options (Add as Suffix)			Accessories (Order Separately) ¹⁸		
P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) R=NEMA Twistlock Photocontrol Receptacle PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle * PT=Electrical Power Tray 2L=Two Circuits * 7030=70 CRI / 3000K CCT * 7050=70 CRI / 5000K CCT * 7060=70 CRI / 5700K CCT * 8030=80 CRI / 3000K CCT * LCF=LightBAR Cover Plate Matches Housing Finish WM=Wall Mount with Arm DM=Direct Mount for Round or Square Pole DW=Direct Wall Mount MS=External Mast Arm Adapter ICP=Integral Cold Weather Battery Pack (Specify 120V or 277V) ^{2,11} MS-LXX=Motion Sensor for On/Off Operation ¹² MS/X-LXX=Motion Sensor for BI-Level Operation ¹³ MS/DIM-LXX=Motion Sensor for Dimming Operation ^{14,15} DIM=0-10V Dimming Drivers ¹⁶ HSS=Factory Installed House Side Shield ¹⁷			MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1011-XX=2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon MA1012-XX=3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon MA1013-XX=4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1014-XX=2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1015-XX=2 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon MA1016-XX=3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1018-XX=2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon MA1019-XX=3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1045-XX=4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1048-XX=2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1049-XX=3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon FSIR-100=Wireless Configuration Tool for Occupancy Sensor ¹⁹ OA/RA1016=NEMA Twistlock Photocontrol - Multi-Tap OA/RA1027=NEMA Twistlock Photocontrol - 480V OA/RA1201=NEMA Twistlock Photocontrol - 347V OA/RA1013=Photocontrol Shorting Cap MA1253=10kV Circuit Module Replacement LB/HSS-21=Field Installed House Side Shield for "E" LightBARs ²⁰ LB/HSS-07=Field Installed House Side Shield for "F" LightBARs ²⁰		

NOTES:

1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.

2. DesignLights Consortium™ Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.

3. 8" arm and round pole adapter included with fixture.

4. Standard 4000K CCT and minimum 70 CRI

5. 21 LED LightBAR powered at 350mA; 7 LED LightBAR powered at 1A.

6. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).

7. Custom and RAL color matching available upon request. Consult your lighting representative at Eaton for more information.

8. Must order dimming driver.

9. Low-Level output varies by bar count specified. Consult Factory.

10. Extended lead times apply. See website for IES files.

11. Available with E01-E04 or F01-F04 configurations only. Rated for 25°C ambient.

12. Sensor housed in external box mounted to the luminaire. Available in E02-E6 and F02-F6 configurations. Replace XX with mounting height in feet for proper lens selection, (e.g., MS-L25). Consult factory for additional information.

13. Sensor housed in external box mounted to the luminaire. Available in E02-E6 and F02-F6 configurations. Replace X with number of bars operating in low output mode and replace XX with mounting height for proper lens selection, (e.g., MS/3-L25). Maximum 4 bars in low output mode. Consult factory for additional information.

14. Only available in E02-E06 and F02-F06. Includes Dimming Drivers. Not available in 347V or 480V.

15. Replace XX with mounting height in feet for proper lens selection, (e.g., MS/DIM-L25).

16. Available in E02-E06 and F02-F06 only.

17. Only for use with SL2, SL3 and SL4 distributions. Not available with L90 or R90 options.

18. Replace XX with color suffix.

19. Only compatible with MS/DIM-LXX motion sensor.



Eaton
1121 Highway 74 South
Peachtree City, GA 30269
P. 770-486-4800
www.eaton.com/lighting

Specifications and
dimensions subject to
change without notice.

TD500010EN
2016-01-13 14:20:24



Job Name:
4706 E Washington Ave

Catalog Number:
SSS4A20S*M1

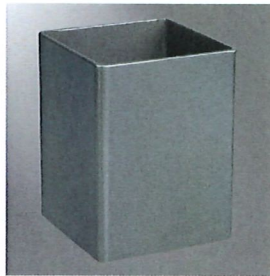
Notes:

Type:

TLM-4

ELL19-84128

Steel Poles



SSS SQUARE STRAIGHT STEEL

Catalog #	Type
Project	
Comments	Date
Prepared by	

FEATURES

- ASTM Grade steel base plate with ASTM A366 base cover
- Hand hole assembly 3" x 5" on 5" and 6" pole; and 2" x 4" on 4" pole
- 10'-39' mounting heights
- Drilled or tenon (specify)

DESIGN CONSIDERATIONS

Wind induced vibrations resulting from steady, unidirectional winds and other aerodynamic forces, as well as vibration and coefficient of height factors for non-grounded mounted installations (e.g., installations on bridges or buildings) are not included in this document. The information contained herein is for general guidance only and is not a replacement for professional judgement. Consult with a professional, and local and federal standards, before ordering to ensure product is appropriate for the intended purpose and installation location. Also, please review Eaton's Light Pole White Paper for risk factors and design considerations. [Learn more.](#)

Specifications and dimensions subject to change without notice. Consult your lighting representative at Eaton or visit www.eaton.com/lighting for available options, accessories and ordering information.

ORDERING INFORMATION

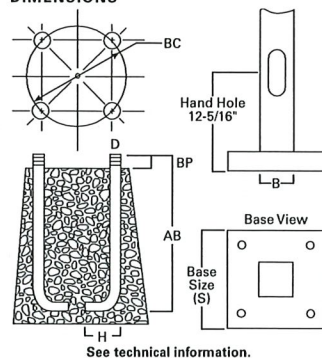
SAMPLE NUMBER: SSA5A20SFM1XG

TBD

Product Family	Shaft Size (Inches) ¹	Wall Thickness (Inches)	Mounting Height (Feet)	Base Type	Finish	Mounting Type	Number and Location of Arms	Arm Lengths (Feet)	Options (Add as Suffix)
SSS-Square Straight Steel	4=4" 5=5" 6=6"	A=0.120" M=0.188" X=0.250"	10=10' 15=15' 20=20' 25=25' 30=30' 35=35' 39=39'	S=Square Steel Base	F=Dark Bronze G=Galvanized Steel J=Summit White K=Carbon Bronze L=Dark Platinum R=Hardwood Green S=Silver T=Graphite Metallic V=Gray W=White X=Custom Color Y=Black	2=2-3/8" O.D. Tenon (4" Long) 3=3-1/2" O.D. Tenon (5" Long) 4=4" O.D. Tenon (6" Long) 9=3" O.D. Tenon (4" Long) 6=2-3/8" O.D. Tenon (6" Long) 7=4" O.D. Tenon (10" Long) A=Type A Drilling C=Type C Drilling E=Type E Drilling F=Type F Drilling G=Type G Drilling J=Type J Drilling K=Type K Drilling M=Type M Drilling N=Type N Drilling R=Type R Drilling S=Standard Upsweep Arm Z=Type Z Drilling	1=Single 2=2 at 180° 3=Triple 4=4 at 90° 5=2 at 90° X=None	X=None 2=2' 3=2.5' 4=4' 6=6' 8=8'	A=1/2" Tapped Hub ³ B=3/4" Tapped Hub ³ C=Convenience Outlet ⁴ E=GFCI Convenience Outlet ⁴ G=Ground Lug H=Additional Hand Hole ⁵ V=Vibration Damper

NOTES: 1. All shaft sizes nominal. 2. Square poles are 3 at 90°, round poles are 3 at 120°. 3. Tapped Hub is located 5' below the pole top and on the same side of pole as hand hole, unless specified otherwise. 4. Outlet is located 4' above base and on same side of pole as hand hole, unless specified otherwise. Receptacle not included, provision only. 5. Additional hand hole is located 12" below pole top and 90° from standard hand hole location, unless otherwise specified.

DIMENSIONS





Job Name:
4706 E Washington Ave

Catalog Number:
SSS4A20S*M1

Notes:

Type:

TLM-4

ELL19-84128

page 2

SSS SQUARE STRAIGHT STEEL

Effective Projected Area (At Pole Top)

Mounting Height (Feet)	Catalog Number ^{1,2}	Wall Thickness (Inches)	Base Square ³ (Inches)	Bolt Circle Diameter (Inches)	Anchor Bolt Projection ³ (Inches)	Shaft Size ³ (Inches)	Anchor Bolt Diameter x Length x Hook (Inches)	Net Weight (Pounds)	Maximum Effective Projected Area (Square Feet) ⁴				Max. Fixture Load - Includes Bracket (Pounds)
									80 mph	90 mph	100 mph	110 mph	
MH			S	BC	BP	B	D x AB x H						
10	SSS4A10S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	85	30.0	22.0	17.0	13.0	100
15	SSS4A15S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	118	15.0	11.5	8.7	6.5	100
20	SSS4A20S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	150	8.7	5.9	3.9	2.5	150
25	SSS5A20S	0.120	10-1/2	11	4-1/2	5	3/4 x 25 x 3	183	15.4	11.1	7.9	5.5	150
25	SSS4A25S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	181	3.7	1.7	0.3	--	200
25	SSS5A25S	0.120	10-1/2	11	5	5	3/4 x 25 x 3	222	9.3	6.0	3.5	1.6	200
25	SSS6A25S	0.120	12-1/2	12-1/2	5	6	1 x 36 x 4	284	9.9	6.1	3.5	1.2	200
30	SSS5A30S	0.120	10-1/2	11	4-1/2	5	3/4 x 25 x 3	260	4.7	2.1	--	--	200
30	SSS5M30S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	392	10.4	6.4	3.5	1.5	200
30	SSS6A30S	0.120	12-1/2	12-1/2	5	6	1 x 36 x 4	330	4.3	1.4	--	--	200
30	SSS6M30S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	489	19.0	13.0	8.7	5.6	200
35	SSS5M35S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	453	5.8	2.8	--	--	200
35	SSS6M35S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	564	12.8	7.2	3.7	1.0	200
35	SSS6X35S	0.250	12-1/2	12-1/2	5	6	1 x 36 x 4	738	16.5	11.0	6.8	3.5	200
39	SSS6M39S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	618	7.3	3.0	--	--	300
39	SSS6X39S	0.250	12-1/2	12-1/2	5	6	1 x 36 x 4	816	13.0	7.0	3.7	0.8	300

Effective Projected Area (Two Feet Above Pole Top)

Mounting Height (Feet)	Catalog Number ^{1,2}	Wall Thickness (Inches)	Base Square ³ (Inches)	Bolt Circle Diameter (Inches)	Anchor Bolt Projection ³ (Inches)	Shaft Size ³ (Inches)	Anchor Bolt Diameter x Length x Hook (Inches)	Net Weight (Pounds)	Maximum Effective Projected Area (Square Feet) ⁴				Max. Fixture Load - Includes Bracket (Pounds)
									80 mph	90 mph	100 mph	110 mph	
MH			S	BC	BP	B	D x AB x H						
10	SSS4A10S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	85	23.0	17.5	14.0	11.0	100
15	SSS4A15S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	118	13.4	10.0	7.5	5.7	100
20	SSS4A20S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	150	7.6	5.2	3.4	2.1	150
20	SSS5A20S	0.120	10-1/2	11	4-1/2	5	3/4 x 25 x 3	183	13.8	9.9	7.1	4.9	150
25	SSS4A25S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	181	3.4	1.6	0.3	--	200
25	SSS5A25S	0.120	10-1/2	11	5	5	3/4 x 25 x 3	222	8.5	5.5	3.2	1.5	200
25	SSS6A25S	0.120	12-1/2	12-1/2	5	6	1 x 36 x 4	284	9.1	5.6	3.0	1.2	200
30	SSS5A30S	0.120	10-1/2	11	4-1/2	5	3/4 x 25 x 3	260	1.8	--	--	--	200
30	SSS5M30S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	392	9.6	5.9	1.9	0.2	200
30	SSS6A30S	0.120	12-1/2	12-1/2	5	6	1 x 36 x 4	330	4.1	1.3	--	--	200
30	SSS6M30S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	489	18.5	12.5	8.4	5.3	200
35	SSS5M35S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	453	5.5	2.4	--	--	200
35	SSS6M35S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	564	11.8	7.0	3.5	1.0	200
35	SSS6X35S	0.250	12-1/2	12-1/2	5	6	1 x 36 x 4	738	16.0	10.5	6.4	3.4	200
39	SSS6M39S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	618	7.0	2.4	--	--	300
39	SSS6X39S	0.250	12-1/2	12-1/2	5	6	1 x 36 x 4	816	12.0	6.7	3.0	0.5	300

NOTES:

- Catalog number includes pole with hardware kit. Anchor bolts not included. Before installing, make sure proper anchor bolts and templates are obtained.
- Tenon size or machining for rectangular arms must be specified. Hand hole position relative to drill location.
- Shaft size, base square, anchor bolts and projections may vary slightly. All dimensions nominal.
- EPAs based on shaft properties with wind normal to flat. EPAs calculated using base wind velocity as indicated plus 30% gust factor.