



ARCHITECTURAL AND DESIGN REVIEW APPLICATION

Page 2

Landscaping:

- 
- 
- 
- 

1. Location, species, size of existing trees, shrubs, and plantings.
2. Location, species, size of proposed plantings.
3. Location and size of all paved, seeded/sodded and gravelled areas.
4. Location of all retaining walls, fences, berms and other landscape features.

**\*It is highly recommended that an applicant hold at least one neighborhood meeting prior to submitting an ADR application to identify any concerns or issues of surrounding residents.**

The preceding information is considered to be the minimum information for submission, and the City may require additional information for its review. Any interpretations provided by city officials as the result of submitting the attached information are based on the submitted plans, and any plan changes, may affect the interpretations.

It is the responsibility of the owner/applicant to insure compliance with all local and state requirements. The below signed applicant acknowledges the above information and hereby submits the attached information for the City's Architectural and Design Review Process.

Signed:  Date: Feb 18, 2020  
 Applicant or Authorized Agent

**\*\*\* Application shall be accompanied by one (1) sets of full-size plans, two (2) sets no larger than 11"x17", and one (1) pdf document of the complete submittal to [planning@fitchburgwi.gov](mailto:planning@fitchburgwi.gov). Applications are due at least 4 weeks prior to the desired Plan Commission Meeting. The time frame assumes a complete set of plans is provided, and if it is not provided the Plan Commission date will be adjusted.**

**FOR CITY USE ONLY**

Date Received: 2/18/20 Plan Commission Date: 3/17/20

Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

February 18, 2020

Ms. Lisa McNabola  
City of Fitchburg  
5520 Lacy Road  
Fitchburg, WI 53711

Re: Minor PDD Modification Request and ADR Re-Approval for 5237 Verona Road

Ms. McNabola

Please accept this letter from BSH Companies (BSH) as our request to make minor modifications to our previously approved ADR and PDD approvals for 5237 Verona Road. We are changing the location and size of our building's signage to ensure that members of the public can easily and readily find our location, understand the use of our building and create an attractive exterior image that fits well in our neighborhood. These changes are minimal relative to our originally submitted plans and will occur entirely on our property.

Additionally we have made refinements to the design of the building as our architects and engineers completed their construction drawings, complied with requisite state building codes, met requirements of MG&E for utility provision and finished other details of our building's design. As shown in the attached elevations these changes are minor in nature and result in no significant change to the use, intent or quality of the building approved previously by the plan commission and city council.

I appreciate your help and assistance with our request.

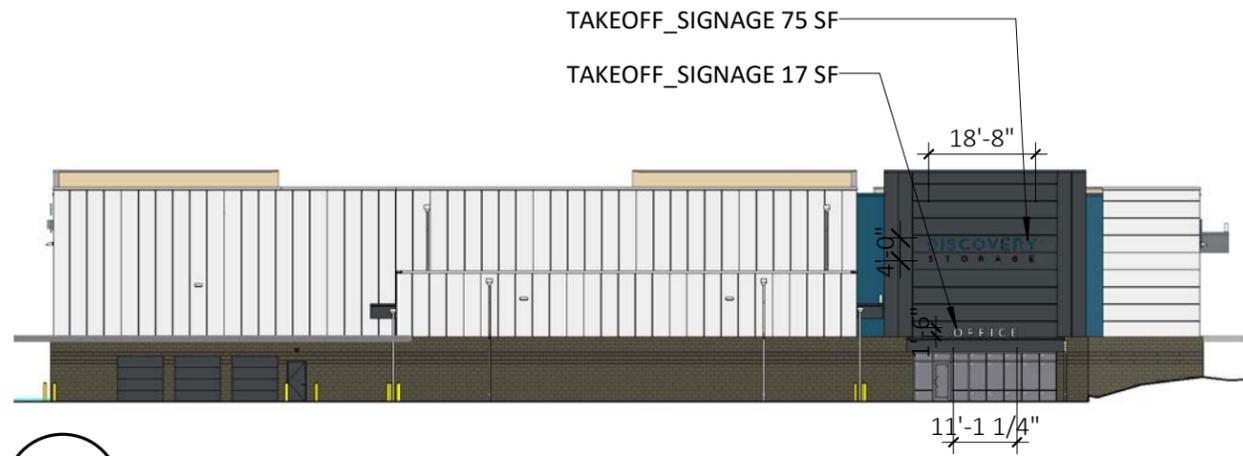
Best regards,

A handwritten signature in black ink, appearing to read "Daniel McCoy", with a large, sweeping flourish extending to the right.

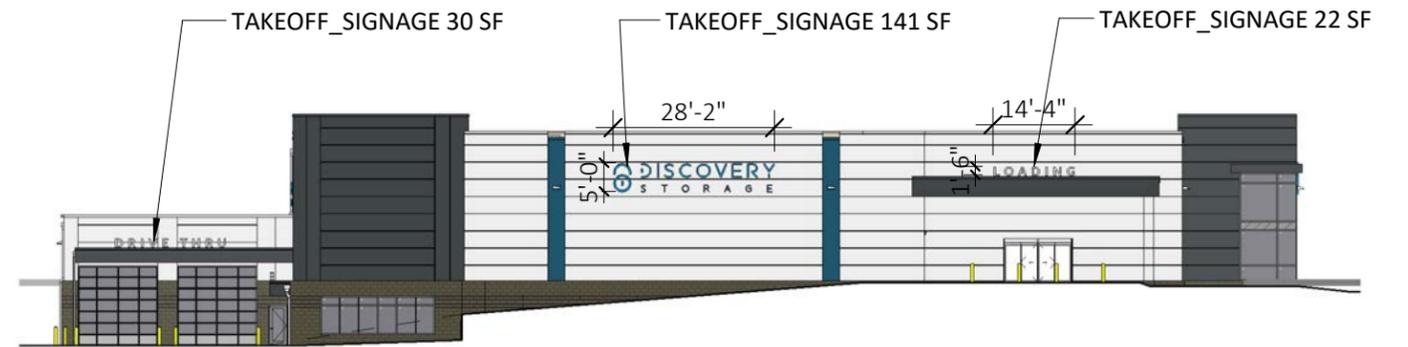
Daniel McCoy  
Managing Member

SIGNAGE SCHEDULE	
ELEVATION	AREA

EAST	75 SF
EAST	17 SF
NORTH	141 SF
NORTH	30 SF
NORTH	22 SF
SOUTH	107 SF
WEST	170 SF
TOTAL	562 SF



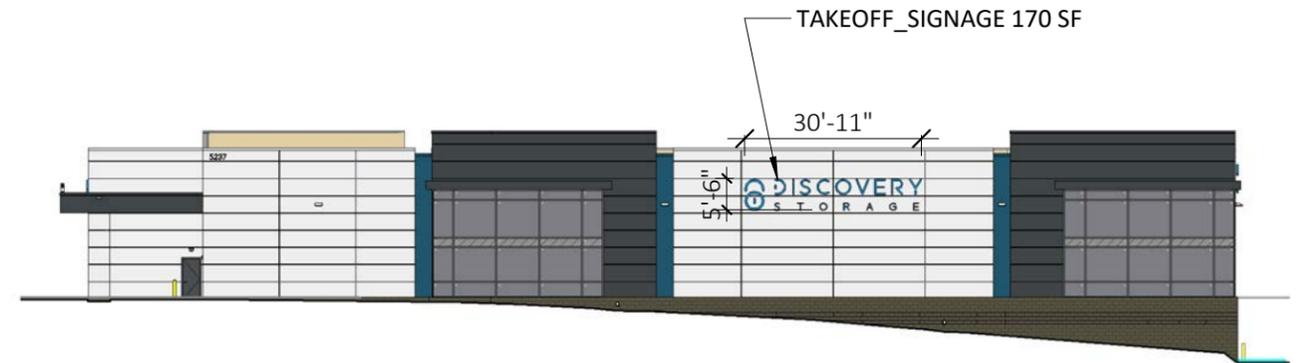
**1** SIGNAGE ELEVATION EAST  
1/32" = 1'-0"



**2** SIGNAGE ELEVATION NORTH  
1/32" = 1'-0"



**3** SIGNAGE ELEVATION SOUTH  
1/32" = 1'-0"



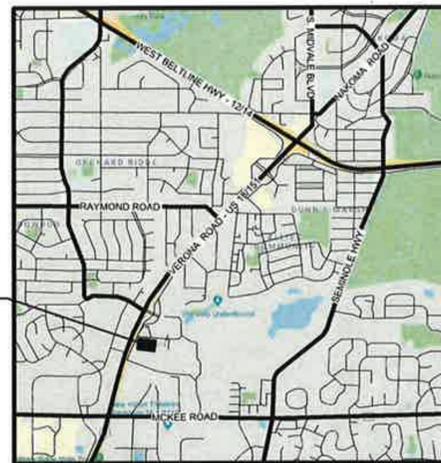
**4** SIGNAGE ELEVATION WEST  
1/32" = 1'-0"

# DISCOVERY STORAGE BSH COMPANIES

## CITY OF FITCHBURG, DANE COUNTY, WISCONSIN



PROJECT LOCATION



PROJECT LOCATION  
5237 VERONA ROAD  
FITCHBURG, WI 53711

**LOCATION MAP**  
NOT TO SCALE

### SHEET INDEX

#### G - GENERAL SHEETS

- G 1 TITLE SHEET
- G 2 EROSION CONTROL DETAILS
- G 3 STREET DETAILS
- G 4 UTILITY DETAILS
- G 5 SITE DETAILS

#### ST - SITE PLANS

- ST 1 EXISTING SITE LAYOUT & REMOVALS
- ST 2 SITE LAYOUT & EROSION CONTROL
- ST 3 GRADING PLAN (SOUTHWEST)
- ST 4 GRADING PLAN (NORTH)
- ST 5 GRADING PLAN (SOUTHEAST)
- ST 6 GRADING PLAN (BIOFILTER)
- ST 7 UTILITY PLAN

#### L - LANDSCAPE PLANS

- L 1 LANDSCAPE PLAN
- L 2 PLANTING SCHEDULE
- L 3 PLANTING DETAILS



Dial **811** or (800) 242-8511

[www.DiggersHotline.com](http://www.DiggersHotline.com)

NOTE:  
UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND CONTRACTOR SHALL HAVE APPROPRIATE UTILITY MARK EXACT LOCATIONS PRIOR TO CONSTRUCTION.

### LEGEND

- EXISTING WATER MAIN
- EXISTING WATER MAIN, VALVE & HYDRANT
- EXISTING WATER SERVICE & CURB STOP
- PROPOSED WATER MAIN, VALVE, & HYDRANT
- PROPOSED WATER SERVICE & CURB STOP
- EXISTING SANITARY SEWER & MANHOLE
- PROPOSED SANITARY SEWER & MANHOLE
- EXISTING FORCEMAIN
- EXISTING STORM SEWER & INLET
- PROPOSED STORM SEWER & INLET
- PROPOSED STORM SEWER & MANHOLE
- BURIED ELECTRIC
- BURIED GAS & VALVE
- BURIED CABLE TELEVISION
- BURIED TELEPHONE
- BURIED FIBER OPTICS
- OVERHEAD UTILITY
- RAILROAD TRACKS
- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- EXISTING SIDEWALK
- PROPOSED SIDEWALK
- EXISTING CULVERT PIPE
- PROPOSED CULVERT PIPE
- FENCE LINE
- DRAINAGE ARROW
- SILT FENCE
- RIGHT-OF-WAY
- BASELINE
- PROPERTY LINE
- TREE LINE
- BENCHMARK
- IRON PIPE
- IRON ROD
- CONTROL POINT
- UTILITY POLE & GUY
- SOIL BORING
- LIGHT POLE
- PEDESTAL
- STREET SIGN
- MAILBOX
- FLAGPOLE
- TREE - DECIDUOUS
- TREE - CONIFEROUS
- TREE TO BE REMOVED

### UTILITIES

**GAS:**  
MG&E  
133 S. BLAIR STREET  
MADISON, WI 53701  
CONTACT: HOLLY POWELL  
OFFICE: (608) 252-7214  
EMAIL: HPOWELL@MGE.COM

**ELECTRIC:**  
MG&E  
133 S. BLAIR STREET  
MADISON, WI 53701  
CONTACT: MARK GAUGER  
OFFICE: (608) 252-1570  
EMAIL: MGAUGER@MGE.COM

**TELEPHONE:**  
AT & T  
316 W. WASHINGTON AVE.  
MADISON, WI 53703  
CONTACT: LISA GUNDLACH  
OFFICE: (608) 252-2432  
EMAIL: LG6852@ATT.COM

**CATV:**  
CHARTER COMMUNICATIONS  
2701 DANIELS STREET  
MADISON, WI 53718  
CONTACT: BRANDON STORM  
OFFICE: (608) 444-9493  
EMAIL: BRANDON.STORM@CHARTERCOM.COM

**FIBER:**  
WINDSTREAM  
CONTACT: CHRISTOPHER WISNOUSKY  
OFFICE: (800) 289-1901  
EMAIL: CHRISTOPHER.WISNOUKY@WINDSTREAM.COM

**EXTENT SYSTEMS**  
3030 WARRENVILLE ROAD  
LISLE, IL 60532  
GENERAL OFFICE: (630) 505-3800

**PACKERLAND BROADBAND**  
105 KENT STREET  
IRON MOUNTAIN, MI 49801  
CONTACT: ANDY HEIGL  
OFFICE: (906) 776-2609  
EMAIL: ANDY.HEIGL@PACKERLANDBROADBAND.COM

**WISDOT:**  
WISCONSIN DEPARTMENT OF TRANSPORTATION  
SOUTHWEST REGION PROJECT FIELD OFFICE  
111 INTERSTATE BLVD.  
EDGERTON, WI 53534  
CONTACT: CHRIS FREDRICK, P.E.  
CONSTRUCTION PROJECT MANAGER FOR VERONA ROAD PROJECT  
OFFICE: (608) 884-7130  
EMAIL: CHRISTOPHER.FREDRICK@DOT.WI.GOV

**PUBLIC WORKS:**  
CITY OF FITCHBURG  
5520 LACY ROAD  
FITCHBURG, WI 53711  
CONTACT: BILL BALKÉ, DPW  
OFFICE: (608) 270-4264  
EMAIL: BILL.BALKE@FITCHBURG.WI.GOV

**SEWER & WATER:**  
CITY OF FITCHBURG  
5520 LACY ROAD  
FITCHBURG, WI 53711  
SEWER & WATER CONTACT: PHIL MANION  
OFFICE: (608) 729-1730  
EMAIL: PHILLIP.MANION@FITCHBURG.WI.GOV

**MADISON METROPOLITAN SEWERAGE DISTRICT**  
1610 MOORLAND ROAD  
MADISON, WI 53713  
SEWER CONTACT: RAY SCHNEIDER  
OFFICE: (608) 347-3628  
EMAIL: RAYS@MADSEWER.ORG

PROJECT NO.:	SCALE:	AS SHOWN	NO.	DATE	REVISION	BY
19358003			1	08/16/2019	ADDRESSED CITY COMMENTS	TAW
PROJECT DATE:	08/15/2019	DRAWN BY:	TAW	1	08/16/2019	
F.B.:		CHECKED BY:	KCL	2	01/03/2020	TAW
			3	1/24/2020	ADDENDUM 1	TAW



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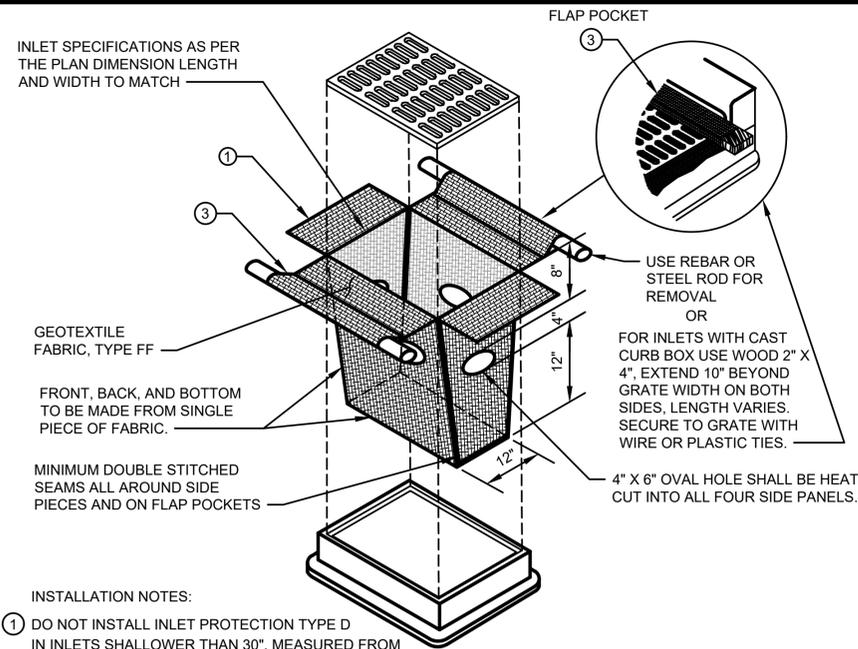
DISCOVERY STORAGE  
BSH COMPANIES  
CITY OF FITCHBURG, DANE COUNTY, WISCONSIN

TITLE SHEET

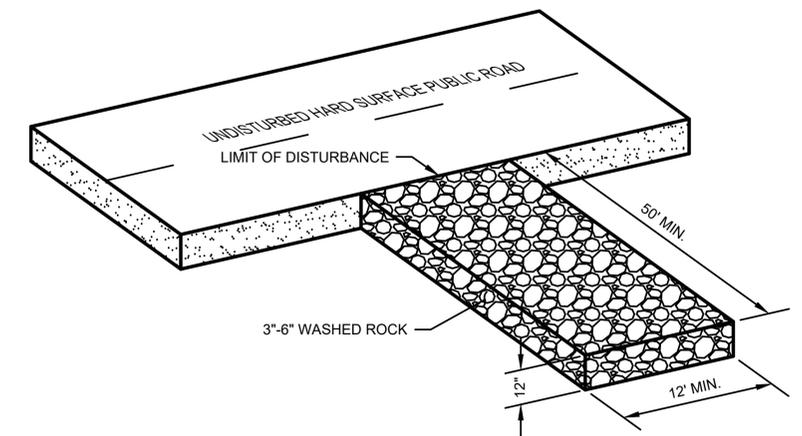
FILE NO.  
19358003  
SHEET  
G 1

**CONSTRUCTION SITE  
EROSION CONTROL REQUIREMENTS**

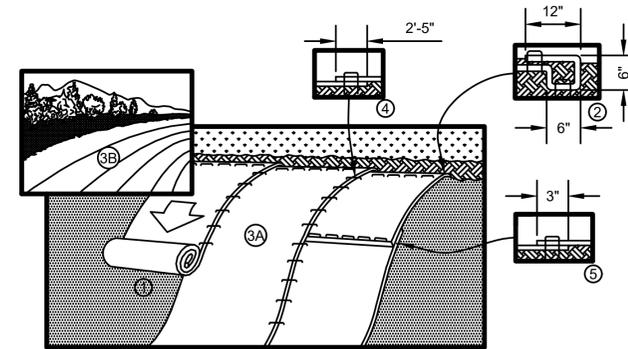
- 1.) SECTION NR216.46 OF WISCONSIN STATE ADMINISTRATIVE CODE IDENTIFIES REQUIREMENTS FOR CONSTRUCTION SITE AND POST-CONSTRUCTION EROSION CONTROL. IT IS THE INTENT OF THESE PLANS TO SATISFY THESE REQUIREMENTS. THE METHODS AND STRUCTURES USED TO CONTROL EROSION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL IMPLEMENT AN APPROPRIATE MEANS OF CONTROLLING EROSION DURING SITE OPERATION AND UNTIL THE VEGETATION IS RE-ESTABLISHED. ADJUSTMENTS TO THE CONTROL SYSTEM SHALL BE MADE AS REQUIRED.
- 2.) ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE WISCONSIN DNR'S CONSERVATION PRACTICE STANDARDS. THESE STANDARDS ARE PERIODICALLY UPDATED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND REFERENCE THE MOST RECENTLY RELEASED STANDARD.
- 3.) THIS INFORMATION IS ONLY ONE PART OF THE OVERALL EROSION CONTROL REQUIREMENTS. ADDITIONAL REQUIREMENTS MAY ALSO BE SHOWN ON THE CONTRACT DRAWINGS AND IN THE ACCOMPANYING SPECIFICATIONS.
- 4.) ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE OWNER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.
- 5.) THE AREA OF EROSION EXPOSED TO THE ELEMENTS BY GRUBBING, EXCAVATION, TRENCHING, BORROW AND FILL OPERATIONS AT ANY ONE TIME SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE. FOR ANY DISTURBED AREA THAT REMAINS INACTIVE FOR GREATER THAN 7 WORKING DAYS, OR WHERE GRADING WORK EXTENDS BEYOND THE PERMANENT SEEDING DEADLINES, THE SITE MUST BE TREATED WITH TEMPORARY STABILIZATION MEASURES SUCH AS SOIL TREATMENT, TEMPORARY SEEDING AND/OR MULCHING. ALL DISTURBED AREAS SHALL BE TREATED WITH PERMANENT STABILIZATION MEASURES WITHIN 3 WORKING DAYS OF FINAL GRADING.
- 6.) ALL EROSION CONTROL MEASURES AND STRUCTURES SERVING THE SITE MUST BE INSPECTED AT LEAST WEEKLY OR WITHIN 24 HOURS OF THE TIME 0.5 INCHES OF RAIN HAS OCCURRED. ALL NECESSARY REPAIR AND MAINTENANCE WILL BE DONE AT THIS INSPECTION TIME.
- 7.) ALL EROSION CONTROL DEVICES AND/OR STRUCTURES SHALL BE PROPERLY INSTALLED PRIOR TO CLEARING AND GRUBBING OPERATIONS WITHIN THEIR RESPECTIVE DRAINAGE AREAS. THESE SHALL BE PROPERLY MAINTAINED FOR MAXIMUM EFFECTIVENESS UNTIL VEGETATION IS RE-ESTABLISHED.
- 8.) ALL EROSION CONTROL DEVICES SHALL BE PROPERLY INSTALLED PRIOR TO ANY SOIL DISTURBANCE.
- 9.) ANY SLOPES STEEPER THAN 3H:1V SHALL BE STAKED WITH EROSION CONTROL FABRIC UNLESS INDICATED ON THE PLAN.
- 10.) ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS, OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO BE CARRIED OFF-SITE BY RUNOFF OR WIND.
- 11.) WIND EROSION SHALL BE KEPT TO A MINIMUM DURING CONSTRUCTION. WATERING, MULCH, OR A TACKING AGENT MAY BE REQUIRED TO PROTECT NEARBY RESIDENCES AND WATER RESOURCES.
- 12.) CHANNELIZED RUNOFF ENTERING THE PROJECT SITE FROM ADJOINING LANDS SHALL BE DIVERTED THROUGH NATURALLY OR ARTIFICIALLY EROSION-RESISTANT CONVEYANCES. IF CHANNELIZED RUNOFF CANNOT BE DIVERTED, SITE BEST MANAGEMENT PRACTICES MUST ACCOUNT FOR THE ADDITIONAL FLOW RATES AND EROSION POTENTIAL THAT SUCH RUNOFF PRESENTS.
- 13.) THE CONTRACTOR SHALL TAKE ALL POSSIBLE PRECAUTIONS TO PREVENT SOILS FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEEPED AND/OR SCRAPED (NOT FLUSHED) PERIODICALLY TO REMOVE SOIL, DIRT, AND/OR DUST.
- 14.) EROSION CONTROLS SHALL BE INSTALLED ON THE DOWNSTREAM SIDE OF TEMPORARY STOCKPILES. ANY SOIL STOCKPILE THAT REMAINS FOR MORE THAN 30 DAYS SHALL BE COVERED OR TREATED WITH STABILIZATION PRACTICES SUCH AS TEMPORARY OR PERMANENT SEEDING AND MULCHING. ALL STOCK PILES SHALL BE PLACED AT LEAST 75 FEET FROM STREAMS OR WETLANDS.
- 15.) ADDITIONAL EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.) SHALL INCLUDE THE FOLLOWING:
  - a. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
  - b. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
  - c. DISCHARGE OF TRENCH WATER OR DEWATERING EFFLUENT MUST BE PROPERLY TREATED TO REMOVE SEDIMENT IN ACCORDANCE WITH THE WDNR CONSERVATION PRACTICE STANDARD 1061 - DEWATERING OR A SUBSEQUENT WDNR DEWATERING STANDARD PRIOR TO DISCHARGE INTO A STORM SEWER, DITCH, DRAINAGEWAY, OR WETLAND OR LAKE.
- 16.) ALL DRAINAGE CULVERTS, STORM DRAIN INLETS, MANHOLES, OR ANY OTHER EXISTING STRUCTURES THAT COULD BE DAMAGED BY SEDIMENTATION SHALL BE PROTECTED ACCORDING TO THE VARIOUS METHODS PROVIDED IN THE PRINTED CONSERVATION PRACTICE STANDARDS.
- 17.) ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR STABILIZATION MUST BE REPAIRED AND THE STABILIZATION WORK REDONE.
- 18.) DURING THE FIRST SIX WEEKS AFTER INITIAL STABILIZATION OF A DISTURBED WATERING OF ALL NEWLY SEEDED AND MULCHED AREAS SHALL BE PROVIDED WHENEVER 7 DAYS ELAPSE WITHOUT A RAIN EVENT.
- 19.) WHEN THE DISTURBED AREA HAS BEEN STABILIZED BY PERMANENT VEGETATION OR OTHER MEANS, TEMPORARY BMP'S SUCH AS SILT FENCES, STRAW BALES, AND SEDIMENT TRAPS SHALL BE REMOVED AND THESE AREAS STABILIZED.
- 20.) ALL TEMPORARY BEST MANAGEMENT PRACTICES SHALL BE MAINTAINED UNTIL THE SITE IS STABILIZED.
- 21.) ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED WITH SEED AND MULCH UNLESS OTHERWISE SPECIFIED. A MINIMUM OF FOUR INCHES OF TOPSOIL SHALL BE APPLIED TO ALL AREAS TO BE SEEDED OR SODDED.



- INSTALLATION NOTES:**
- 1) DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.
  - 2) TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.
  - 3) THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.
- INLET PROTECTION, TYPE D**  
NO SCALE  
CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX AS PER NOTE

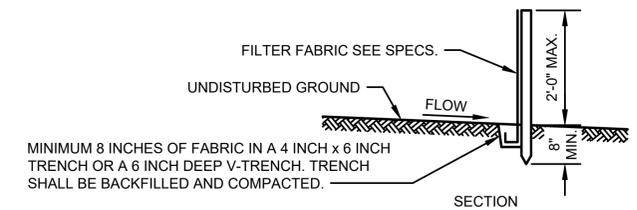


**VEHICLE TRACKING PAD**  
NO SCALE



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
  2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE BLANKET.
  3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.
  4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5 CM-12.5 CM) OVERLAP DEPENDING ON BLANKET TYPE.
  5. CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE BLANKET WIDTH.
- NOTE:**  
\*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

**EROSION CONTROL BLANKET DETAIL**  
NO SCALE



- GENERAL NOTES:**
1. ENDS OF FENCE SHALL BE TURNED UPSLOPE 1 TO 2 FEET IN ELEVATION TO PREVENT FLANKING.
  2. STAPLE FABRIC WITH 1/2 INCH (MINIMUM) STAPLES TO THE UPSLOPE SIDE OF THE POSTS.
  3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.

**TYPICAL SILT FENCE INSTALLATION AT SITE PERIMETER DETAIL**  
NO SCALE

PROJECT NO.	SCALE	AS SHOWN	NO.	DATE	REVISION	BY
19358003						
PROJECT DATE:	08/15/2019	DRAWN BY:	TAW	1	08/16/2019	TAW
F.B.:		CHECKED BY:	KCL	2	01/03/2020	TAW
				3	2/3/2020	TAW
PLANT DATE: 2/3/20					G:\19\19358\19358003\CADD\Construction Documents\19358003_GSheets.dwg	

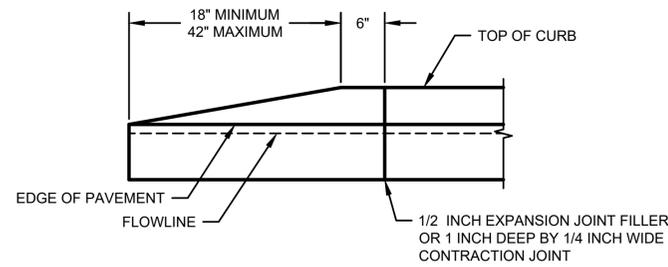


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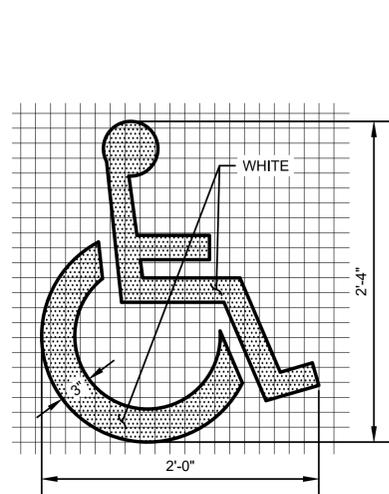
DISCOVERY STORAGE  
BSH COMPANIES  
CITY OF FITCHBURG, DANE COUNTY, WISCONSIN

EROSION CONTROL DETAILS

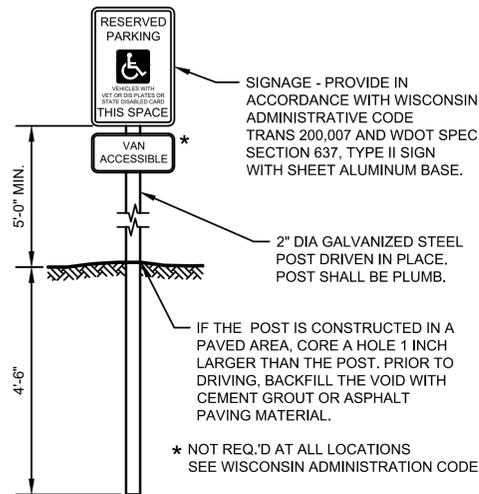
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19358003  
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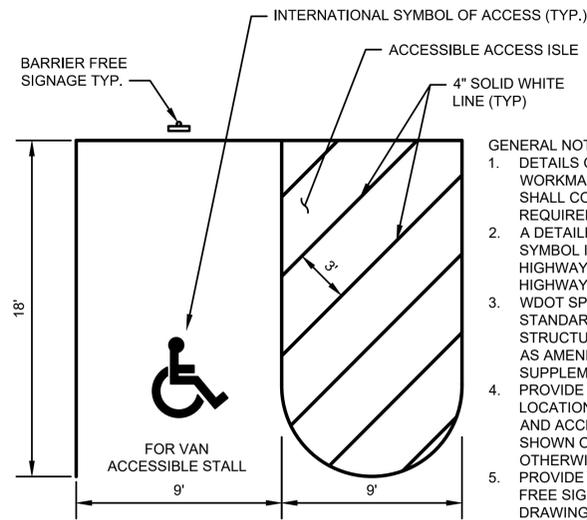
**CURB END DETAIL**  
NO SCALE



**INTERNATIONAL SYMBOL OF ACCESS**  
NO SCALE

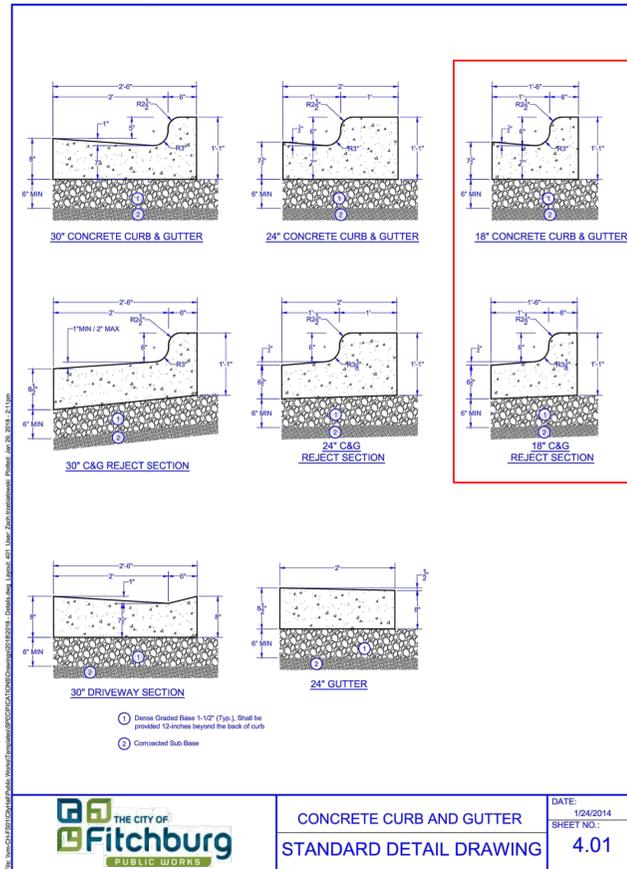


**BARRIER FREE SIGNAGE**  
NO SCALE

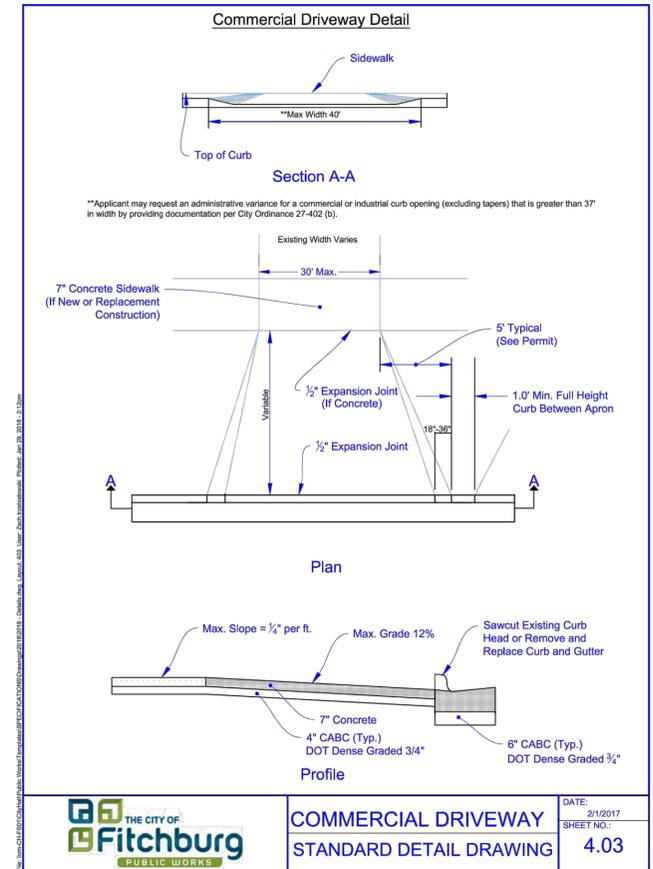


**ACCESSIBLE PARKING STALL**  
NO SCALE

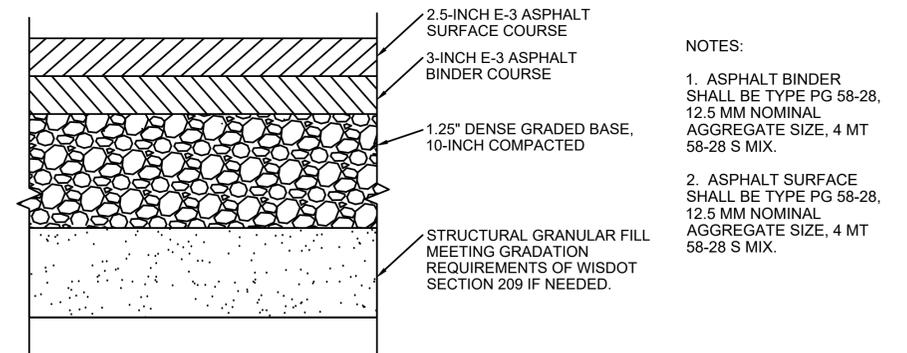
- GENERAL NOTES:**
1. DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE SPECIFICATIONS.
  2. A DETAILED DRAWING OF THE DISABLED PARKING SYMBOL IS ILLUSTRATED IN THE "STANDARD HIGHWAY SIGNS MANUAL" BY THE FEDERAL HIGHWAY ADMINISTRATION.
  3. WDOT SPEC. MEANS THE STATE OF WISCONSIN STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, AS AMENDED BY THE MOST CURRENT INTERIM SUPPLEMENTAL SPECIFICATION.
  4. PROVIDE DISABLED PARKING STALLS AT LOCATIONS SHOWN ON THE DRAWINGS. STALL AND ACCESS ISLE DIMENSIONS SHALL BE AS SHOWN ON THE DETAIL UNLESS INDICATED OTHERWISE ON THE DRAWING.
  5. PROVIDE A DISABLED SYMBOL AND BARRIER FREE SIGNAGE FOR EACH STALL SHOWN ON THE DRAWING.
  6. PROVIDE WHEEL STOPS WHEN SHOWN ON THE DRAWINGS.
  7. THE MAXIMUM SURFACE SLOPE, ACROSS STALLS OR ACCESSIBLE ROUTES, IN ANY DIRECTION, SHALL BE 2%.



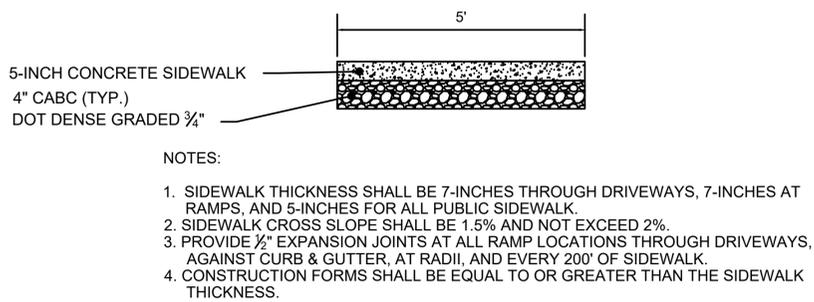
**CONCRETE CURB AND GUTTER**  
STANDARD DETAIL DRAWING  
DATE: 1/24/2014  
SHEET NO.: 4.01



**COMMERCIAL DRIVEWAY**  
STANDARD DETAIL DRAWING  
DATE: 2/1/2017  
SHEET NO.: 4.03



**TYPICAL ASPHALT PAVEMENT SECTION**  
NTS



**TYPICAL CONCRETE SIDEWALK SECTION**  
NOT TO SCALE

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19358003	AS SHOWN		1	08/16/2019	ADDRESSED CITY COMMENTS	TAW
08/15/2019	DRAWN BY:	TAW	2	01/03/2020	PERMIT SET	TAW
	CHECKED BY:	KCL	3	2/3/2020	ADDENDUM 1	TAW

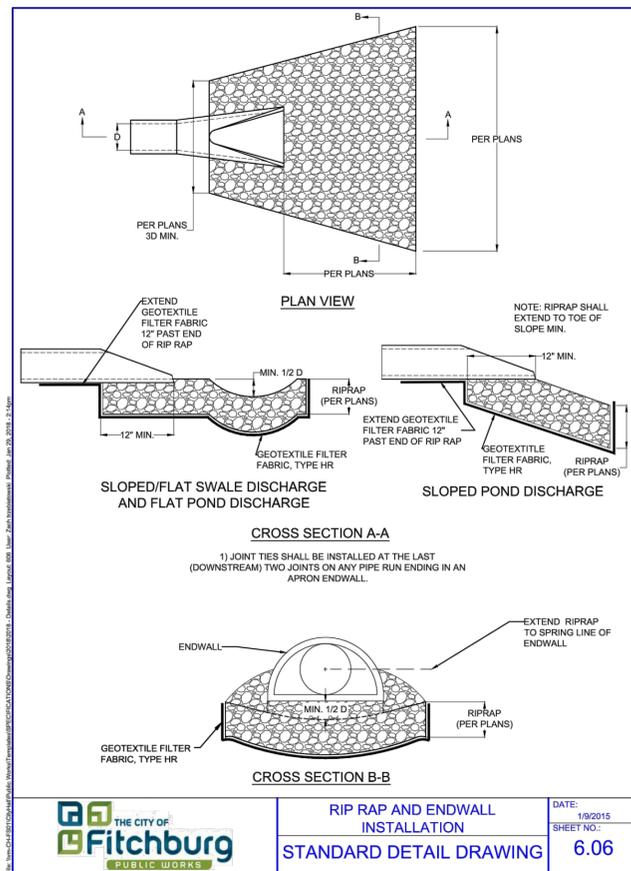


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DISCOVERY STORAGE  
BSH COMPANIES  
CITY OF FITCHBURG, DANE COUNTY, WISCONSIN

STREET DETAILS

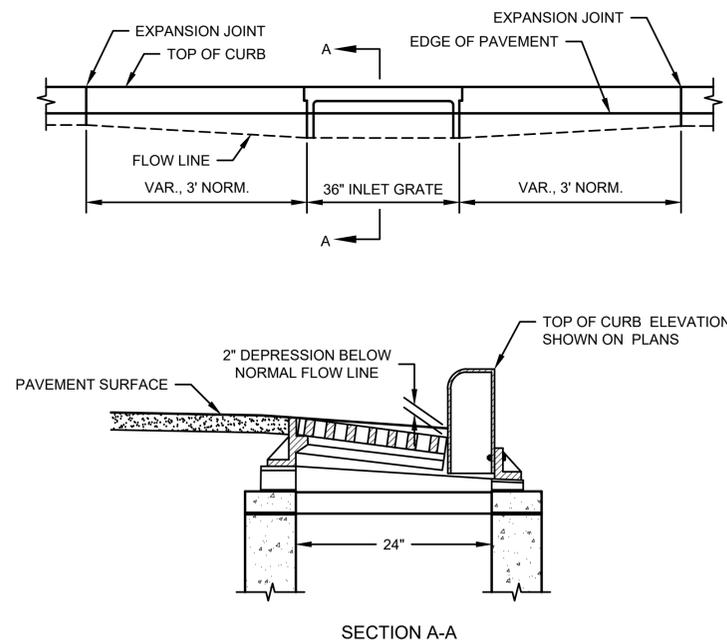
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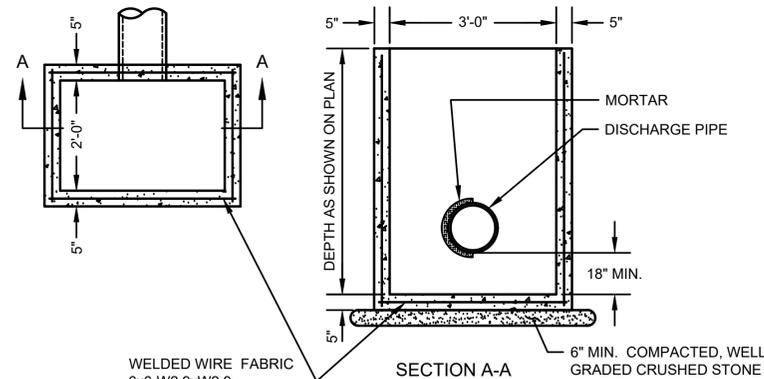

**THE CITY OF Fitchburg**  
 PUBLIC WORKS

**RIP RAP AND ENDWALL INSTALLATION**  
 STANDARD DETAIL DRAWING

DATE: 1/8/2015  
 SHEET NO.: 6.06

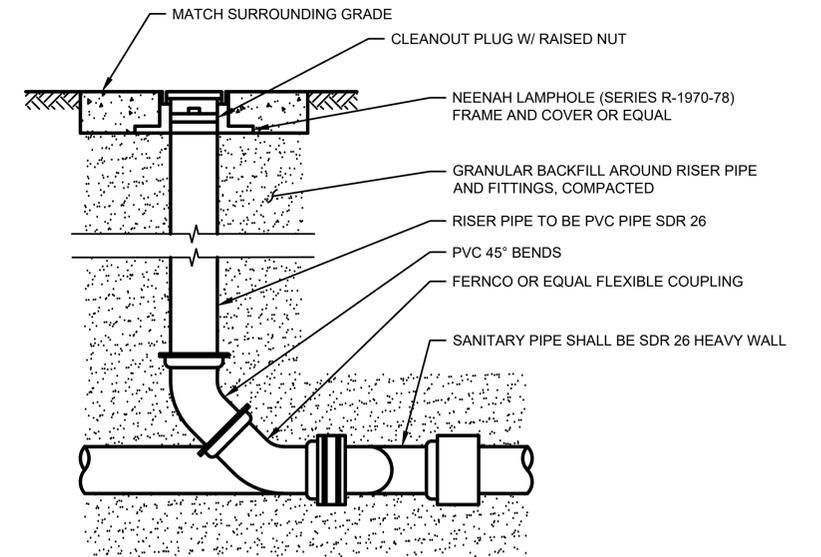


**CURB AND GUTTER AT INLETS DETAIL**  
 NO SCALE

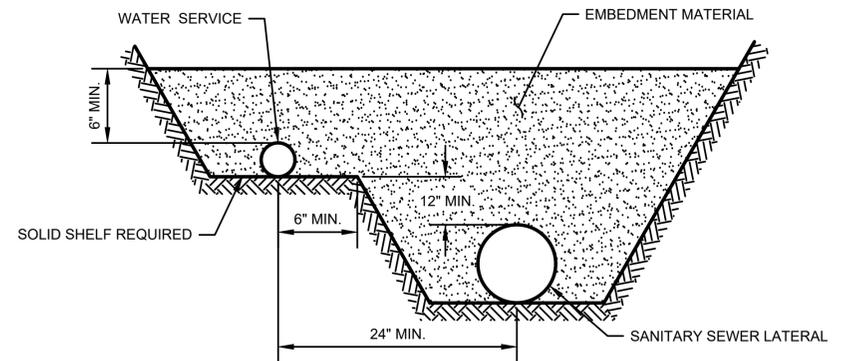


- GENERAL NOTES:
- SEE PLANS FOR SIZE, NUMBER, AND LOCATION OF PIPES.
  - DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE SPECIFICATIONS.
  - DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.
  - ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.
  - PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS FOR WELL GRADED CRUSHED STONE. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.
  - PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON THE STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.
  - ALL BAR STEEL AND WELDED WIRE FABRIC REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
  - PRECAST REINFORCED CONCRETE RISERS SHALL BE PLACED WITH TONGUE DOWN.

**2' x 3' INLET WITH SUMP DETAIL**  
 NO SCALE



**SANITARY SEWER CLEANOUT**  
 NO SCALE



- GENERAL NOTES:
- WATER SERVICES 2 INCHES IN DIAMETER AND LESS SHALL BE LAID WITH A CLEAR HORIZONTAL SEPARATION NOT LESS THAN 2 FEET FROM THE SANITARY LATERAL.

**WATER SERVICE AND SANITARY SEWER LATERAL DETAIL**  
 NO SCALE

PROJECT NO.	SCALE	NO.	DATE	REVISION	BY
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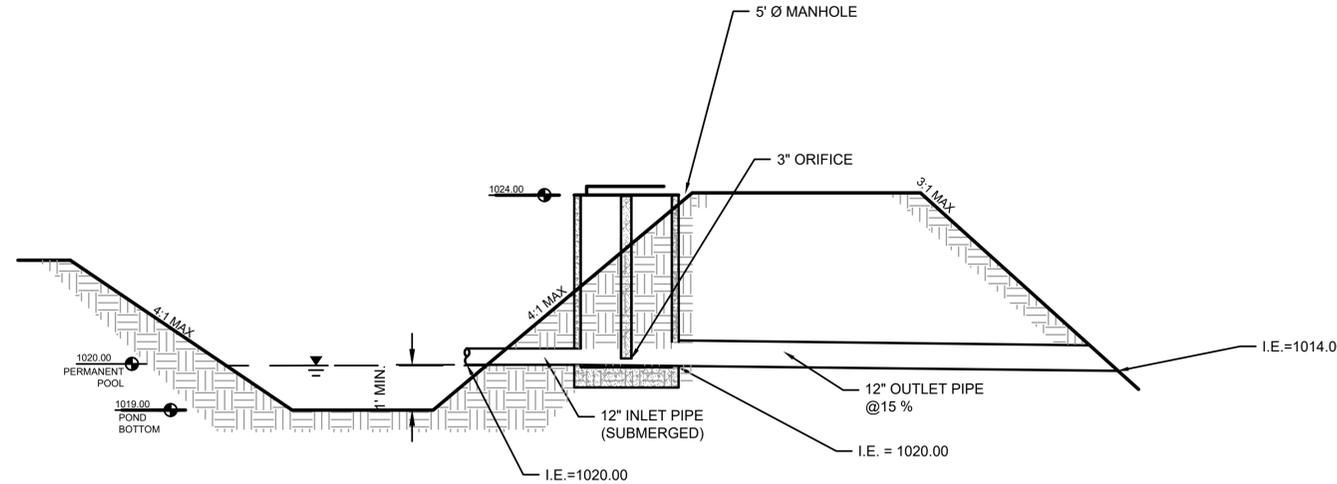


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 CITY OF FITCHBURG, DANE COUNTY, WISCONSIN

UTILITY DETAILS

FILE NO.  
 19358003  
 SHEET  
 G 4



NOTES:  
 1. ALL MECHANICAL CONNECTORS FOR SUBMERGED PIPE SHALL BE STAINLESS STEEL

**A**  
**GX** POND OUTLET STRUCTURE DETAIL  
 NTS

**BIOFILTRATION BASINS  
 CONSTRUCTION  
 REQUIREMENTS  
 REQUIRED AT BOTH BASINS**

1. PRIOR TO EXCAVATING THE BIOFILTRATION BASINS, ALL UPSTREAM AREAS SHALL BE RESTORED PER THE LANDSCAPING PLAN, 70% OF THE TURF SEED GERMINATED, AND ALL HARD SURFACE AREAS PAVED.
2. AFTER ALL UPSTREAM AREAS ARE STABILIZED PER THE REQUIREMENTS ABOVE, THE BASIN SHALL BE EXCAVATED TO ELEVATIONS SHOWN IN TABLE. A 21-INCH LAYER OF NO. 2 CLEAN STONE AND A 2.0-FOOT LAYER OF ENGINEERED SOIL SHALL BE PLACED.
3. THE ENGINEERED SOIL SHALL BE COMPOSED OF 70%-75% SAND/GRANULAR FILL AND 25%-30% COMPOST CONFORMING TO WDNR CPS S100. PLEASE NOTE, THE SAND/COMPOST COMPOSITION FOR THIS PROJECT IS SLIGHTLY CHANGED TO ACCOMMODATE THE NATIVE PLANTINGS.
4. THE BIOFILTRATION BASIN SHALL BE EXCAVATED WITH ONLY WIDE-TRACKED CONSTRUCTION EQUIPMENT. ACTIVITY WITHIN THE BASIN SHALL BE MINIMIZED PRIOR TO EXCAVATION AND ELIMINATED AFTER EXCAVATION TO CONTROL UNNECESSARY COMPACTION OF SOILS.
5. AFTER INITIAL EXCAVATION AND FINAL GRADING, THE BIOFILTRATION BASIN SHALL BE SECURED SO NO OTHER CONSTRUCTION EQUIPMENT USES THE AREA.
6. PLANTINGS - THE BIOFILTRATION BASIN SHALL BE RESTORED WITH THE FOLLOWING PLANTINGS AT AN APPROXIMATE SPACING OF 18-INCHES ON CENTER:  
 CITY OF MADISON "FULL SUN" MIX  
 CONTRACTOR SHALL SUBMIT PROPOSED PLANT LAYOUT TO OWNER AND ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
7. THE SIDE SLOPES OF THE BASIN SHALL BE SEEDED WITH A TURF LAWN MIX.
8. AFTER THE BASIN IS SEEDED, A 3-INCH LAYER OF WOOD MULCH SHALL BE INSTALLED BETWEEN ALL THE PLUGS AND PLANTS.

CONTACT INFORMATION:

OWNER  
 NFW ACQUISITION CORP  
 715 FARWELL DRIVE  
 MADISON, WI 53704  
 (608) XXX-XXXX

DEVELOPER  
 BSH COMPANIES  
 DAN MCCOY  
 44 COOK STREET, SUITE 400  
 DENVER, CO 80206  
 DAN@BSHCOMPANIES.COM  
 (303) 886-5900

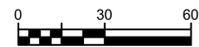
ENGINEER  
 MSA PROFESSIONAL SERVICES, INC  
 KEVIN LORD  
 1702 PANKRATZ ST.  
 MADISON, WI 53704  
 KLORD@MSA-PS.COM  
 (608)242-7779

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					ADDENDUM 1	

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**DISCOVERY STORAGE**  
 BSH COMPANIES  
 CITY OF FITCHBURG, DANE COUNTY, WISCONSIN

**SITE DETAILS**



LOT 1  
CSM #3122  
THERMO NICOLET CORPORATION

BACK OF CURB TO  
BACK OF CURB = 32.9'

BACK OF CURB TO  
BACK OF CURB = 33.6'

BACK OF CURB TO  
BACK OF CURB = 38.5'

JOINT ACCESS EASEMENT

DISCOVERY PATH (PRIVATE DRIVE)

BM #3

$\Delta = 4^{\circ}35'56''$   
 $R = 4,667.00'$   
 $L = 374.60$   
 $LC = 374.50$   
 $LCB = N23^{\circ}41'54''E$

USH 18/151 (VERONA ROAD)  
VERONA ROAD - FRONTAGE ROAD

S87°24'32"E 510.29'  
(EAST)

10' BUILDING SETBACK LINE

CURB CUT

APPROXIMATE SANITARY SEWER  
SERVICE PER UTILITY MAPS  
FIELD VERIFY LOCATION

REMOVE CURB HEAD  
AT DRIVEWAY WHERE  
CURB CUT DOES NOT  
EXTEND

TWO MONITORING WELLS

REMOVE LIGHT POLE

TREE REMOVAL (TYP.)

ASPHALT

THREE MONITORING WELLS

LOT 2  
CSM #3122  
THERMO NICOLET CORPORATION

LOT 1  
CSM #15183

AREA = 117,784 OR  
2.704 ACRES

OUTLOT 1  
CSM #15183

EDGE OF ASPHALT/BOTTOM  
CONCRETE BARRIER WALL

25' BUILDING SETBACK LINE

THREE MONITORING WELLS

REMOVE AND REPLACE  
SIDEWALK AT DRIVEWAY

REMOVE CURB HEAD  
AT DRIVEWAY

10' ELECTRIC EASEMENT

TWO MONITORING WELLS

20' BUILDING SETBACK LINE

THREE MONITORING WELLS

BM #1

N87°16'24"W 645.15'  
(N89°55'W)

ASPHALT PARKING LOT STALL MARKING  
ARE FADED AND DIFFICULT TO LOCATE  
FOUND MARKINGS AS SHOWN

PHILIP J. HENDRICKSON CHILDRENS TRUST

BENCHMARK TABLE

BM. NO.	NORTHING	EASTING	DESCRIPTION	ELEV.
BM #1	463247.39	798290.17	TOP OF NUT	1025.26
BM #2	463222.28	798252.89	TOP OF NUT	1031.48
BM #3	463519.55	798843.38	TOP OF NUT	1013.09

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	CHECKED BY:	KCL	2/3/2020	ADDENDUM 1	TAW



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EXISTING SITE LAYOUT & REMOVALS

FILE NO.  
19358003  
SHEET  
ST 1

PLOT DATE: 2/3/20, G:\19\19358\19358003\CADD\Construction Documents\19358003\_GSheets.dwg

NOTES: ALL WORK PERFORMED WITHIN THE RIGHT-OF-WAY OR ANY EASEMENT CONFORMS TO THE LATEST EDITION OF THE CITY OF FITCHBURG SPECIFICATIONS.

UNDER PROPOSED CONDITIONS:

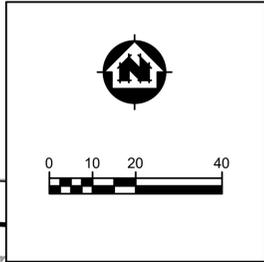
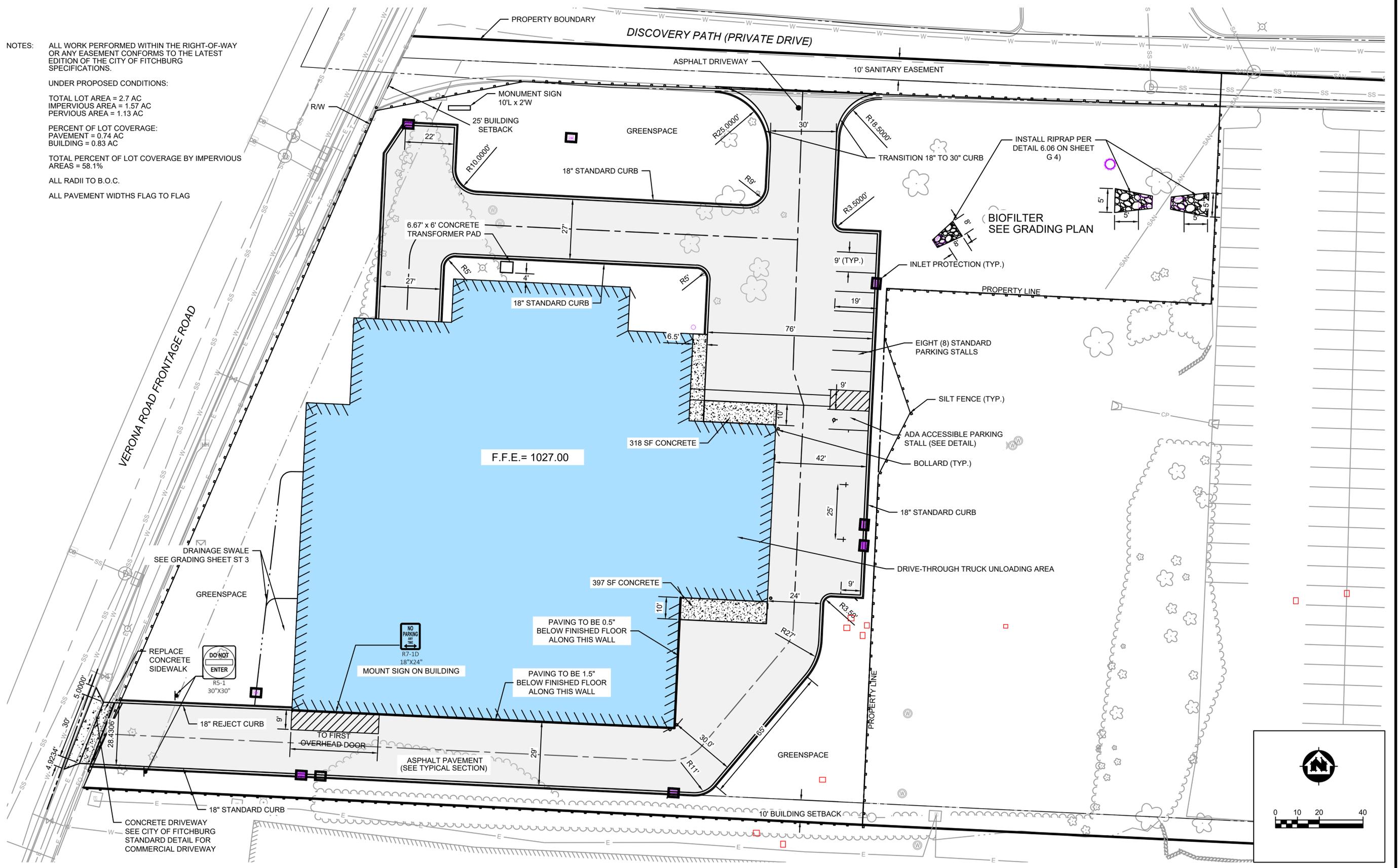
TOTAL LOT AREA = 2.7 AC  
 IMPERVIOUS AREA = 1.57 AC  
 PERVIOUS AREA = 1.13 AC

PERCENT OF LOT COVERAGE:  
 PAVEMENT = 0.74 AC  
 BUILDING = 0.83 AC

TOTAL PERCENT OF LOT COVERAGE BY IMPERVIOUS AREAS = 58.1%

ALL RADII TO B.O.C.

ALL PAVEMENT WIDTHS FLAG TO FLAG



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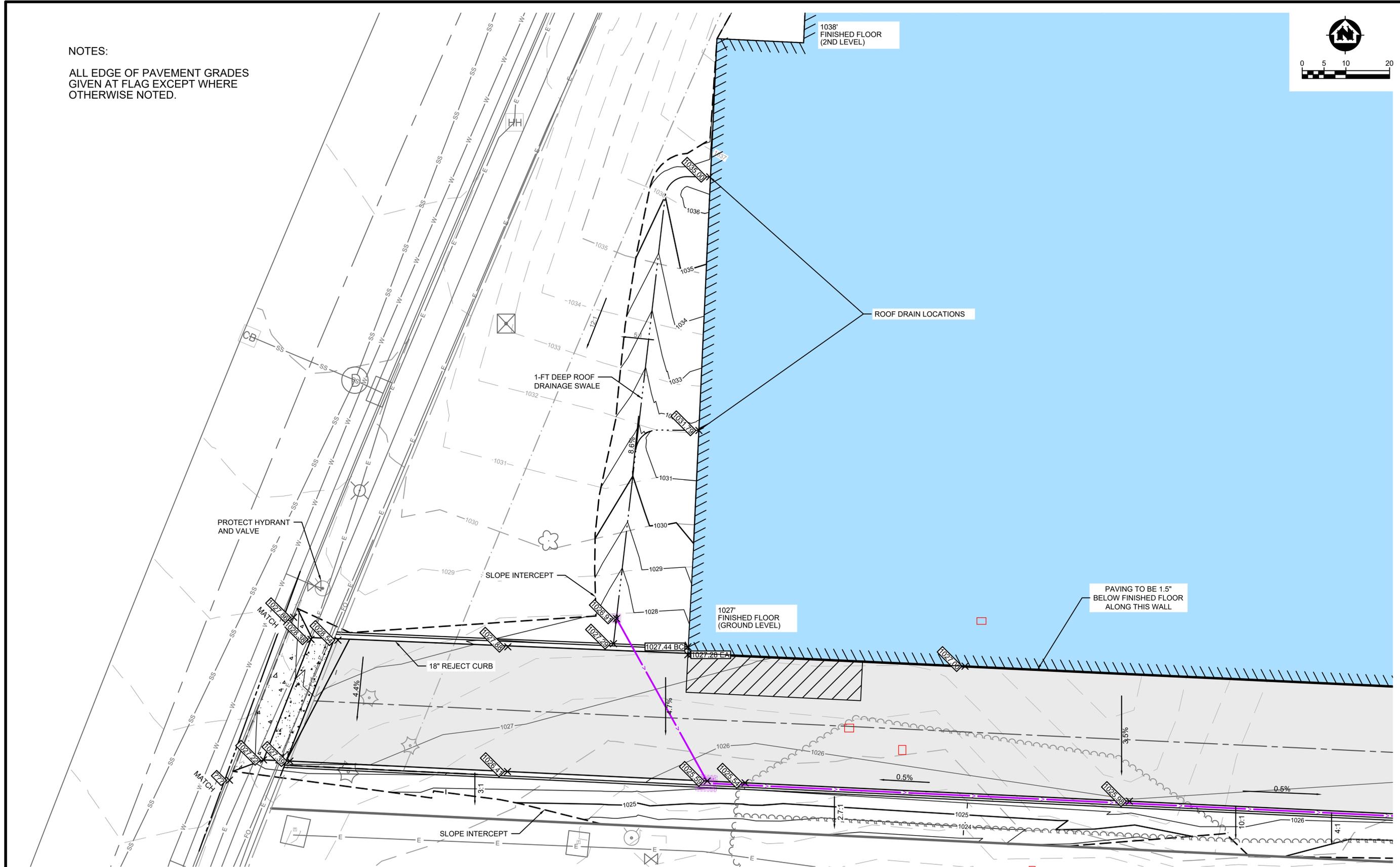
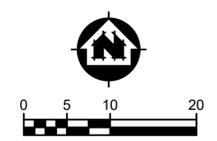
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 BSH COMPANIES  
 CITY OF FITCHBURG, DANE COUNTY, WISCONSIN

SITE LAYOUT AND EROSION CONTROL

FILE NO:  
 19358003  
 SHEET  
 ST 2

NOTES:

ALL EDGE OF PAVEMENT GRADES GIVEN AT FLAG EXCEPT WHERE OTHERWISE NOTED.



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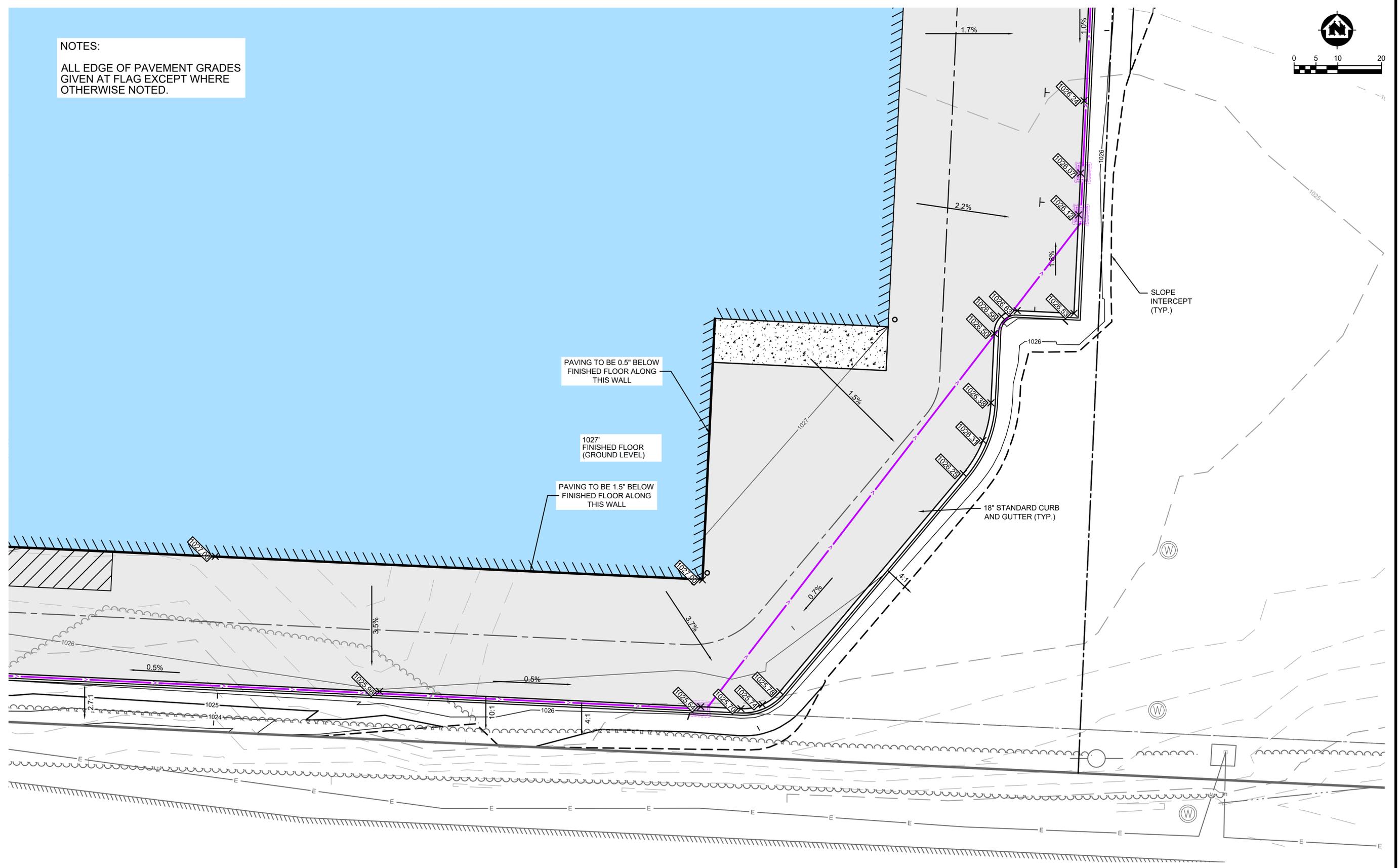
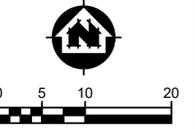
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 BSH COMPANIES  
 CITY OF FITCHBURG, DANE COUNTY, WISCONSIN

GRADING PLAN (SOUTHWEST)  
 ST 3

FILE NO.  
 19358003  
 SHEET  
 ST 3



NOTES:  
 ALL EDGE OF PAVEMENT GRADES  
 GIVEN AT FLAG EXCEPT WHERE  
 OTHERWISE NOTED.



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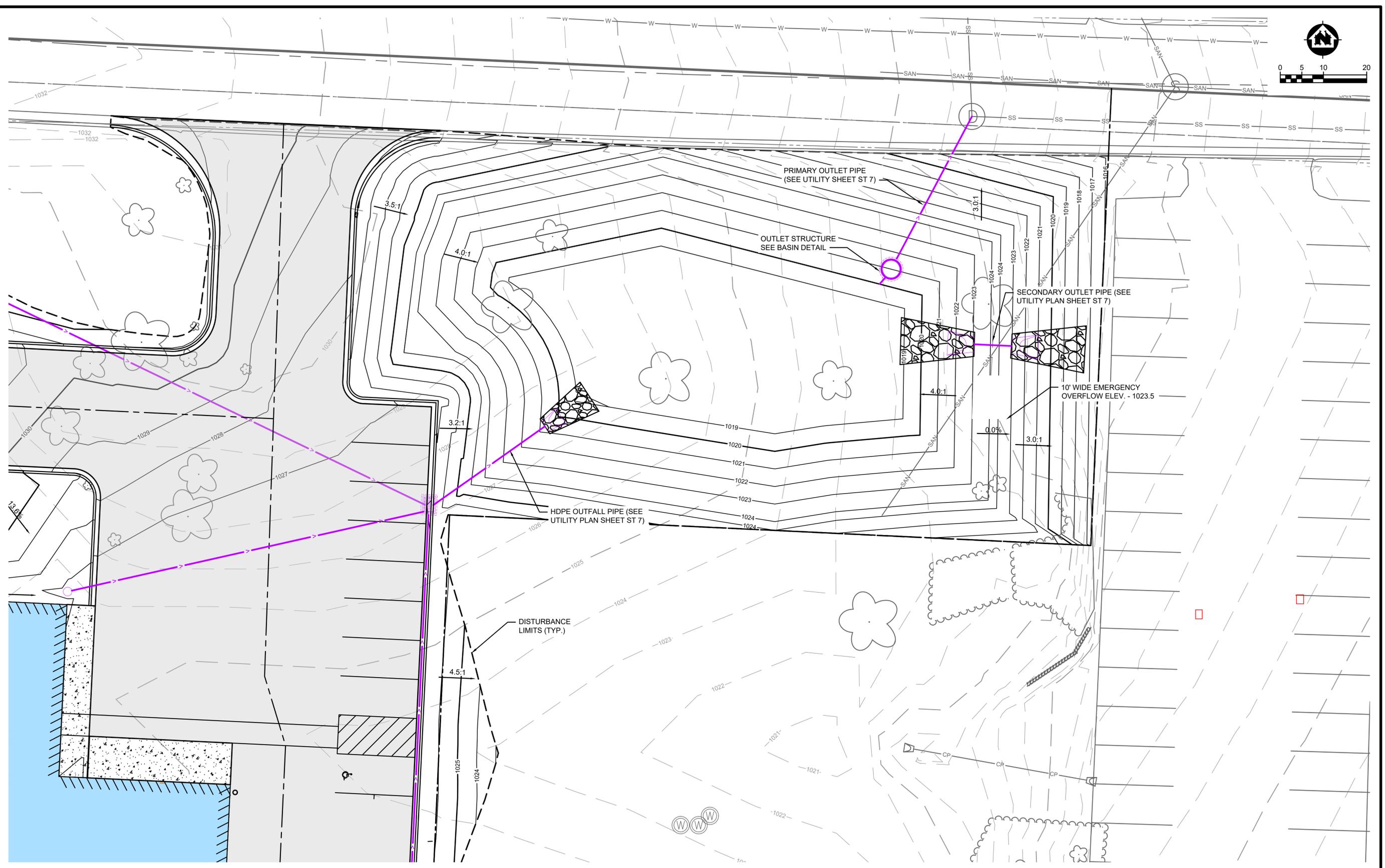
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 CITY OF FITCHBURG, DANE COUNTY, WISCONSIN

GRADING PLAN (SOUTHEAST)  
 SHEET  
 ST 5

FILE NO.  
 19358003

PLOT DATE: 2/3/20, G:\19\19358\19358003\CADD\Construction Documents\19358003 Grading Plan.dwg



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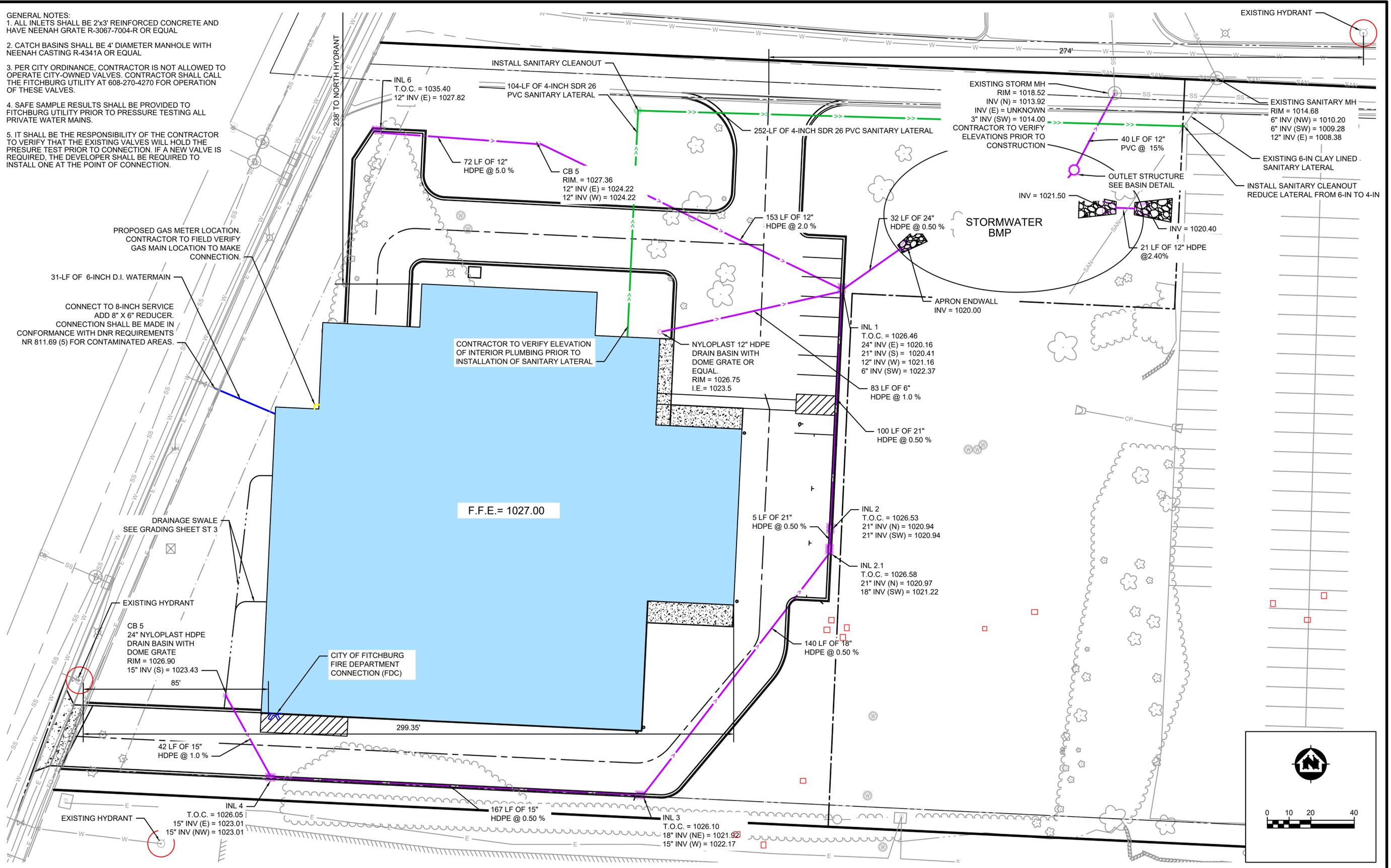
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DISCOVERY STORAGE  
 BSH COMPANIES  
 CITY OF FITCHBURG, DANE COUNTY, WISCONSIN

GRADING PLAN (BIOFILTER)  
 ST 6

FILE NO.  
 19358003  
 SHEET  
 ST 6

- GENERAL NOTES:**
1. ALL INLETS SHALL BE 2'x3' REINFORCED CONCRETE AND HAVE NEENAH GRATE R-3067-7004-R OR EQUAL
  2. CATCH BASINS SHALL BE 4' DIAMETER MANHOLE WITH NEENAH CASTING R-4341A OR EQUAL
  3. PER CITY ORDINANCE, CONTRACTOR IS NOT ALLOWED TO OPERATE CITY-OWNED VALVES. CONTRACTOR SHALL CALL THE FITCHBURG UTILITY AT 608-270-4270 FOR OPERATION OF THESE VALVES.
  4. SAFE SAMPLE RESULTS SHALL BE PROVIDED TO FITCHBURG UTILITY PRIOR TO PRESSURE TESTING ALL PRIVATE WATER MAINS.
  5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE EXISTING VALVES WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. IF A NEW VALVE IS REQUIRED, THE DEVELOPER SHALL BE REQUIRED TO INSTALL ONE AT THE POINT OF CONNECTION.



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DISCOVERY STORAGE  
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UTILITY PLAN

FILE NO:  
 19358003  
 SHEET  
 ST 7

PLOT DATE: 2/3/20, G:\19\19358\19358003\CADD\Construction Documents\19358003 Utility Design.dwg



**PLANT MATERIALS LIST**

ID	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING & NOTES*	QUANTITY
						SHEET L1.0
<b>Deciduous Trees</b>						
CO	<i>Celtis occidentalis</i> 'Prairie Pride'	Prairie Pride Hackberry	2" cal.	B&B	as drawn	3
CV	<i>Crataegus viridis</i> 'Winter King'	Winter King Hawthorn	1.75" cal.	B&B	as drawn	2
GD	<i>Gymnocladus dioica</i> 'Prairie Titan'	'Prairie Titan' Kentucky Coffee Tree	2" cal.	B&B	as drawn, male only	4
QB	<i>Quercus bicolor</i>	Swamp White Oak	2" cal.	B&B	as drawn	1

<b>Coniferous Trees and Shrubs*</b>						
AC	<i>Abies concolor</i>	Concolor Fir (White Fir)	5'	B&B	as drawn	2
Jp	<i>Juniperus x pfitzeriana</i> 'Kallay's Compact'	Kallay's Compact Pfitzer Juniper	36"	B&B	as drawn	17
To	<i>Thuja occidentalis</i> 'Pyramidalis'	Arborvitae 'Pyramidalis'	5'	B&B	as drawn	7

\*Do not shear, hand pruning only. Do not plow or store snow with salt near evergreen shrubs

<b>Deciduous Shrubs</b>						
Hp	<i>Hydrangea paniculata</i> 'Bulk' USPP 16,812	Quick Fire Hydrangea	5 gal.	CONT.	as drawn	10
Ra	<i>Rhus aromatica</i> 'Gro-low'	Grow Low Fragrant Sumac	3 gal.	CONT.	as drawn	17
Sp	<i>Spiraea japonica</i> 'Anthony Waterer'	Anthony Waterer Spirea	3 gal.	CONT.	as drawn	13

<b>Perennials and Grasses</b>						
ca	<i>Calamagrostis x acutiflora</i> 'Kark Foerster'	Karl Foerster Feather Reed Grass	1 gal.	CONT.	as drawn	13
hh	<i>Hemerocallis</i> 'Happy Returns'	Daylily	1 gal.	CONT.	as drawn	29
pv	<i>Panicum virgatum</i> 'Northwind'	Northwind Switchgrass	1 gal.	CONT.	as drawn	20
sa	<i>Sesleria autumnalis</i>	Autumn Moor Grass	1 gal.	CONT.	as drawn	23

**Bio-Filter: Wet Meadow Emergent Plants**

2,775 SF

Plant plugs 1 foot on center. Plant species in groups of 5

<i>Carex</i> spp.	Common Sedges	Plugs	1 Foot on center	170
<i>Calamagrostis Canadensis</i>	Bluejoint Grass	Plugs	1 Foot on center	170
<i>Bromus ciliatus</i>	Fringed Brome	Plugs	1 Foot on center	170
<i>Glyceria striata</i>	Fowl Manna Grass	Plugs	1 Foot on center	170
<i>Muhlenbergia glomerata</i>	Marsh Wild Timothy	Plugs	1 Foot on center	170
<i>M. Mexicana</i>	Leafy Satin Grass	Plugs	1 Foot on center	170
<i>Poa palustris</i>	Fowl Meadow Grass	Plugs	1 Foot on center	170
<i>Spartina pectinata</i>	Prairie Cordgrass	Plugs	1 Foot on center	170
<i>Symphotrichum novae-angliae</i>	New England Aster	Plugs	1 Foot on center	170
<i>Cirsium muticum</i>	Swamp Thistle	Plugs	1 Foot on center	170
<i>Gallium boreale</i>	Northern Bedstraw	Plugs	1 Foot on center	170
<i>Hypoxia hirsute</i>	Yellow Star-Grass	Plugs	1 Foot on center	170
<i>Oxypolis rigidior</i>	Cowbane	Plugs	1 Foot on center	170
<i>Thalictrum dasycarpum</i>	Tall Meadow - Rue	Plugs	1 Foot on center	170
<i>Zizia aurea</i>	Golden Alectander's	Plugs	1 Foot on center	170
<i>Pycnanthemum virginianum</i>	Mountain Mint	Plugs	1 Foot on center	170

**SEED MIXES AND MATS**

Native Slope Stabilization  
Turf

\*Consult manufacturer for appropriate seeding rates.

Agrecol "Native Slope Stabilization" Seed Mix  
LaCrosse Seed 'madison Parks' or approved equal

12,000 SF

66,600 SF

**SITE PREPARATION, LAYOUT AND PLANTING NOTES**

1. REMOVE AND DISPOSE OF TURF/SOD AND OTHER EXISTING PLANTS, INCLUDING ESTABLISHED WEEDS PRIOR TO SEEDING.

2. SEED LIMIT LINES ARE APPROXIMATE. SEED TO LIMITS OF GRADING AND DISTURBANCE.

3. CONTRACTOR RESPONSIBLE FOR EROSION CONTROL IN ALL SEEDED AREAS. ALL DISTURBED AREAS ARE TO BE PROTECTED WITHIN 24 HOURS. DO NOT DISTURB MORE AREA THAN CAN BE COMPLETED AND PROTECTED WITHIN 24 HOURS.

4. TREES AND SHRUBS SHALL BE PLACED AS DRAWN. NO SUBSTITUTES SHALL BE MADE WITHOUT PRIOR APPROVAL FROM THE LANDSCAPE ARCHITECT.

5. EQUALLY SPACE PERENNIALS AS SPECIFIED PER NOTES LISTED ON DRAWINGS.

7. ALL PLANT MATERIALS SHALL BE OF MATCHING FORMS AND SIZES WITHIN EACH SPECIES AND SIZE DESIGNATION ON THE DRAWINGS.

8. PERENNIAL PLANTING BEDS TO BE COVERED WITH 2" MIN. TWICE SHREDDED HARD WOOD MULCH, UNLESS OTHERWISE NOTED. NO WEED BARRIER SHALL BE USED.

9. ALL TREES PLANTED IN TURF SHALL RECEIVE A 5' DIAMETER MULCH RING WITH 3" MIN. TWICE SHREDDED HARD WOOD MULCH. ALL TREE RINGS TO RECEIVE SPADE EDGE.

10. ALL PLANTING BEDS SHALL HAVE STEEL EDGING.

11. ALL LANDSCAPE BED CURVES SHALL BE SMOOTH AND NOT SEGMENTED. SEGMENTED CURVES SHALL BE REPLACED WITH SMOOTH CURVES AT NO ADDITIONAL COST TO THE OWNER.

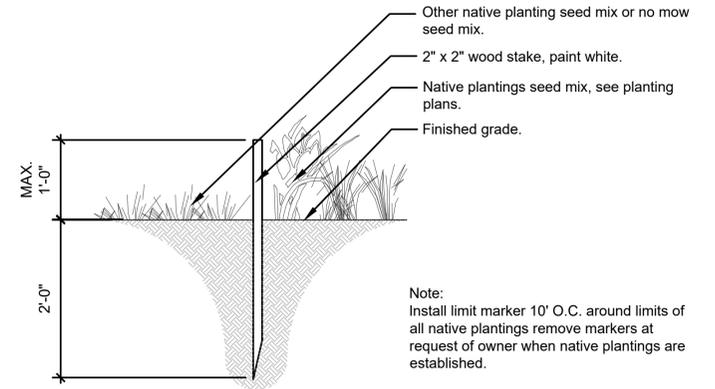
12. PLANTS AND OTHER MATERIALS ARE QUANTIFIED AND SUMMARIZED FOR THE CONVENIENCE OF THE DEPARTMENT AND LOCAL AGENCY. CONFIRM AND INSTALL SUFFICIENT QUANTITIES TO COMPLETE THE WORK AS DRAWN. NO ADDITIONAL PAYMENTS WILL BE MADE FOR MATERIALS REQUIRED TO COMPLETE THE WORK AS DRAWN.

13. CONTRACTOR SHALL STAKE ALL PROPOSED TREE LOCATIONS PRIOR TO PLANTING. CONTRACTOR SHALL THEN NOTIFY THE FIELD ENGINEER AND OWNER ONCE THE STAKING IS COMPLETE FOR A WALK THRU REVIEW OF THE TREE LOCATIONS. FINAL TREE LOCATIONS ARE SUBJECT TO MOVING PER FINAL CONSTRUCTION AND LAYOUT. TREES SHALL BE PLANTED A MINIMUM OF 5' FROM ANY WALK OR PAVED EDGE.

14. ADJUSTMENT TO STAKE LOCATIONS DUE TO DISCREPANCIES BETWEEN COORDINATES AND DIMENSIONS IS INCIDENTAL TO THE CONTRACT. NO ADDITIONAL PAYMENTS WILL BE MADE FOR THIS WORK.

15. NO PERENNIAL OR ORNAMENTAL GRASS SHALL BE PLANTED WITHIN 12" IN OF ANY ADJACENT EDGE. NO SHRUB SHALL BE PLANTED WITHIN 30" ANY ADJACENT EDGE.

16. ALL PLANT MATERIAL SHALL BE PRODUCED BY A NURSERY, BE HEALTHY AND FREE FROM INSECTS, DISEASE OR INJURY. SPECIMENS SHALL EXHIBIT NORMAL HABIT OF GROWTH TYPICAL FOR THE SPECIES. PLANT SIZE SHALL BE EQUAL TO OR EXCEEDING THE SIZE LISTED IN THE PLANT LIST.

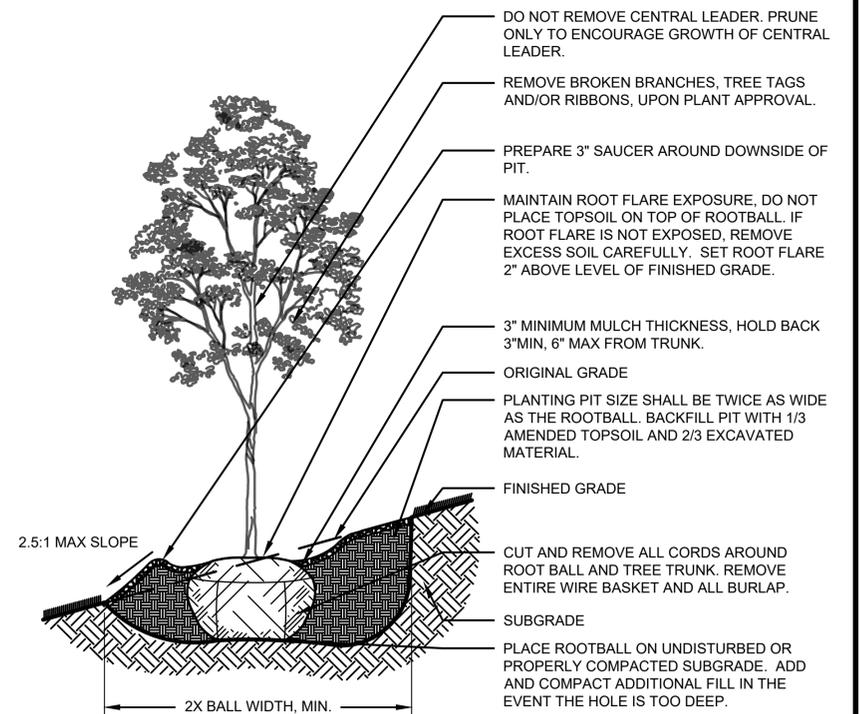


1 NATIVE AREA MARKER

DETAIL  
Not To Scale

NOTE:

1. REMOVE AND PROPERLY DISPOSE OF ANY EXCESS EXCAVATED MATERIAL
2. WRAP TRUNK WITH APPROVED TREE WRAP UP TO FIRST BRANCH. (FALL PLANTING REQUIREMENT).



2 TREE PLANTING ON SLOPE

DETAIL  
Not To Scale

PROJECT NO.	SCALE	AS SHOWN	NO.	DATE	REVISION	BY
19358003						
PROJECT DATE:	08/15/2019	DRAWN BY:	TAW	1	08/16/2019	TAW
F.B.:		CHECKED BY:	KCL	2	01/03/2020	TAW
				3	2/3/2020	TAW
PLOT DATE:	2/3/20	G:\19\19358\19358003\CADD\Construction Documents\19358003_Landscape Plan.dwg			ADDENDUM 1	

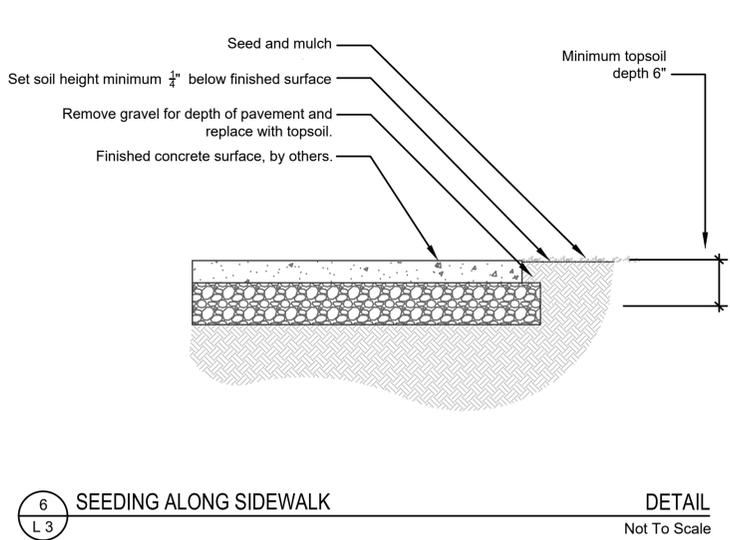
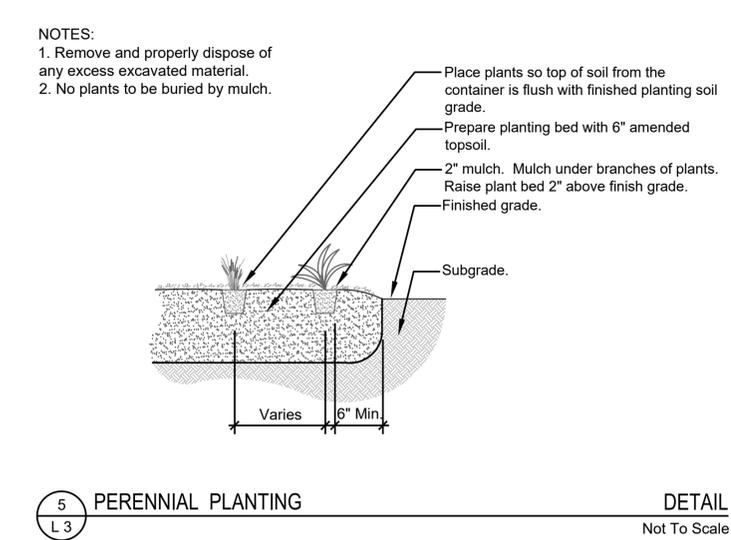
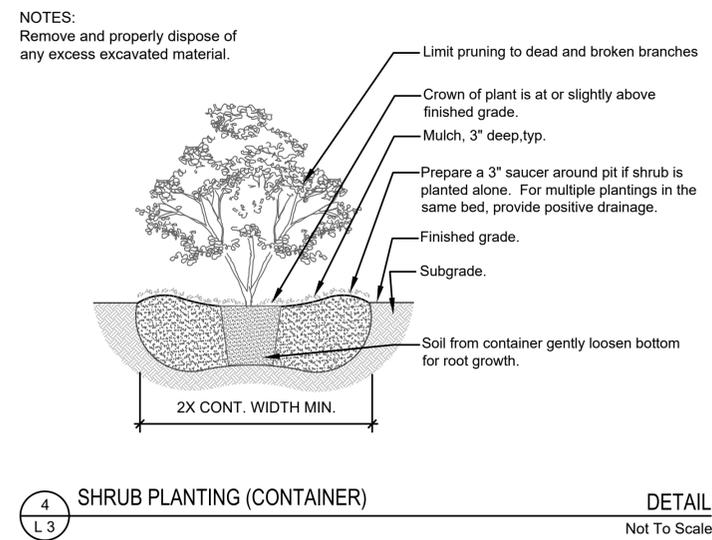
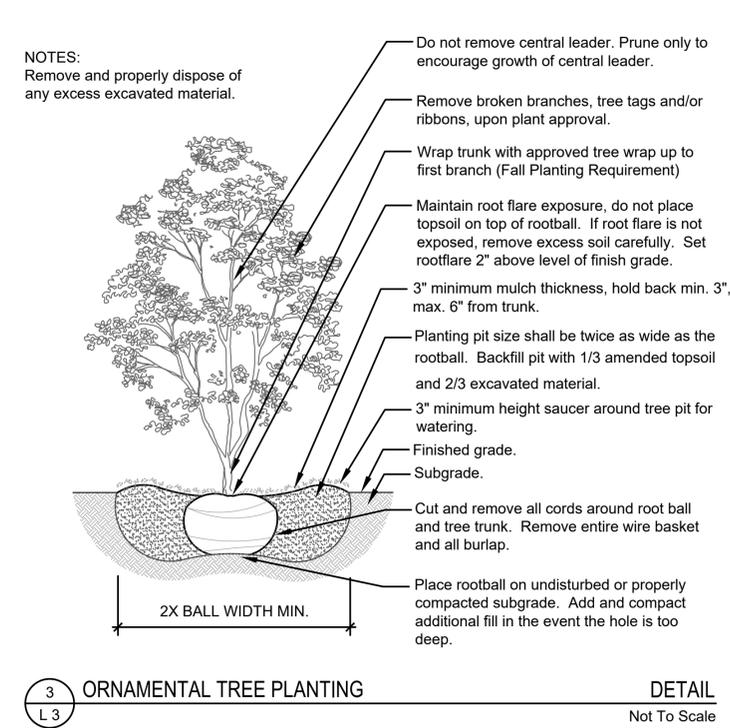
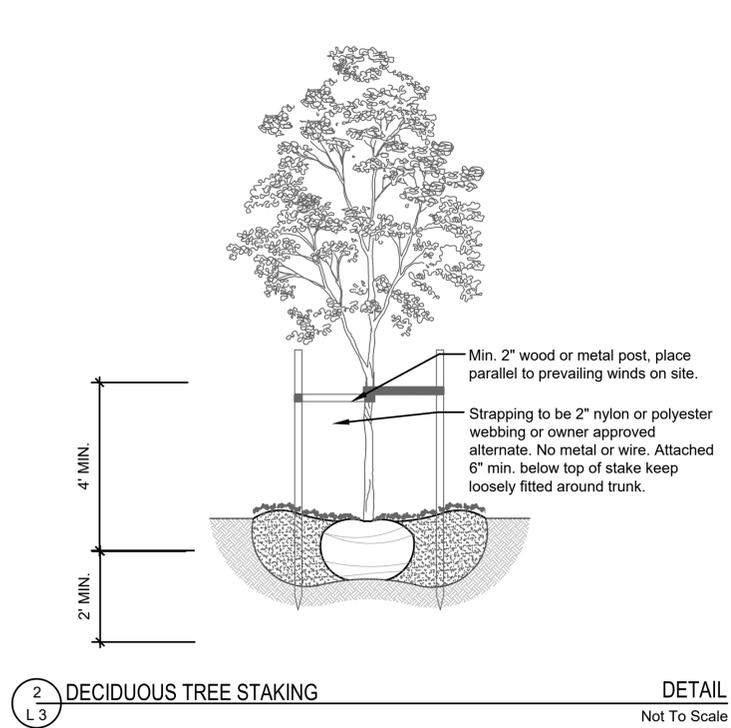
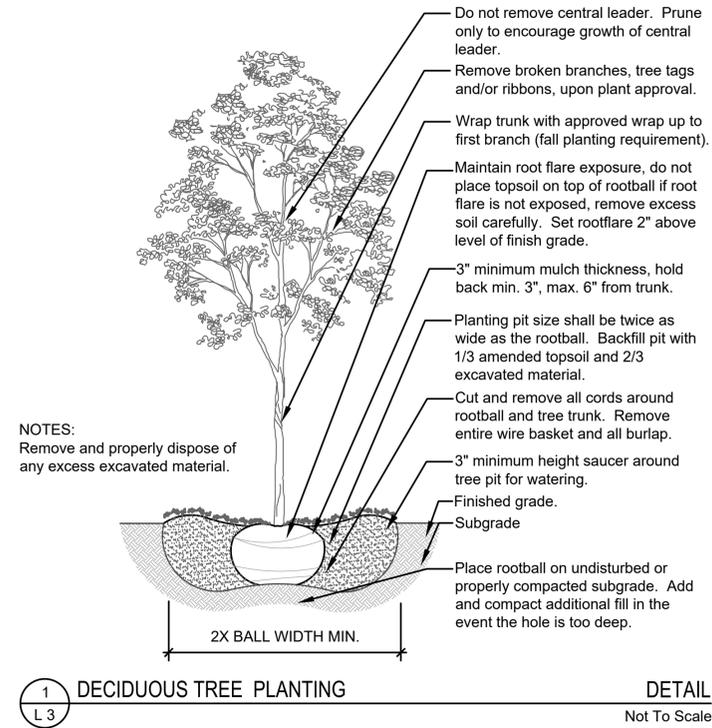


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DISCOVERY STORAGE  
BSH COMPANIES  
CITY OF FITCHBURG, DANE COUNTY, WISCONSIN

PLANTING SCHEDULE

FILE NO.  
19358003  
SHEET  
L 2



PROJECT NO.	SCALE	AS SHOWN	NO.	DATE	REVISION	BY
19358003	AS SHOWN		1	08/16/2019	ADDRESSED CITY COMMENTS	TAW
PROJECT DATE:	08/15/2019	DRAWN BY:	TAW	1	08/16/2019	TAW
F.B.:		CHECKED BY:	KCL	2	01/03/2020	TAW
				3	2/3/2020	TAW
					PERMIT SET	TAW
					ADDENDUM 1	TAW



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DISCOVERY STORAGE  
BSH COMPANIES  
CITY OF FITCHBURG, DANE COUNTY, WISCONSIN

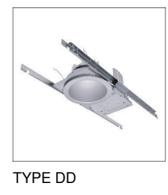
PLANTING DETAILS

FILE NO.  
19358003  
SHEET  
L 3

Luminaire Schedule							
Symbol	Qty	Label	Arrangement	LLF	Description	Arr. Watts	Lum. Lumens
	6	AA	SINGLE	0.900	MCGRAW GWC-AF-02-LED-E1-T4FT WALL MOUN AT 20FT	113	12784
	3	AA1	SINGLE	0.900	MCGRAW GWC-AF-02-LED-E1-T4FT WALL MOUN AT 18FT	113	12784
	1	BB	SINGLE	0.900	MCGRAW GLEON-AF-04-LED-E1-T3 MOUNT ON 25FT POLE WITH 3FT BASE	225	24568
	1	CC	SINGLE	0.900	MCGRAW GLEON-AF-04-LED-E1-T4FT MOUNT ON 25FT POLE WITH 3FT BASE	225	24711
	4	DD	SINGLE	0.900	HALO HC630D010-HM634840-61WDW RECESSED IN CANOPY AT 18FT	26	2797

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE GROUND	Illuminance	Fc	1.12	11.6	0.0	N.A.	N.A.
PARKING	Illuminance	Fc	1.96	3.1	1.2	1.63	2.58

Luminaire Location Summary						
LumNo	Label	X	Y	Z	Orient	Tilt
24	AA	798361.8	463205	20	270	0
25	AA	798429.4	463201.8	20	270	0
27	AA	798491.6	463198.8	20	270	0
28	AA1	798557.9	463321.9	18	0	0
29	AA1	798544	463339.6	18	90.739	0
31	AA	798427.1	463409.9	20	89.134	0
33	CC	798610.1	463432.1	28	178.946	0
34	BB	798309.8	463216.4	28	270	0
35	AA	798478.9	463407.3	20	85.272	0
36	DD	798382.5	463396.1	18	0	0
37	DD	798396.7	463395.3	18	0	0
38	DD	798383	463404.9	18	0	0
39	DD	798396.7	463404.7	18	0	0
40	AA1	798555.8	463274.8	18	0	0
41	AA	798513.8	463233.9	20	357.409	0



Plan View  
Scale: 1 inch= 30 Ft.

GENERAL NOTES:

A. PULSE PRODUCTS DOES NOT ASSUME RESPONSIBILITY FOR THE INTERPRETATION OF THIS CALCULATION OR COMPLIANCE TO THE LOCAL, STATE, OR FEDERAL LIGHTING CODES OR ORDINANCES.

B. LIGHTING LAYOUT IS NOT INTENDED FOR CONSTRUCTION DOCUMENTS BUT ONLY TO ILLUSTRATE THE PERFORMANCE OF THE PRODUCT.

C. ALL READINGS/CALCULATIONS SHOWN ARE SHOWN ON OBJECTS/SURFACES.



#	Date	Comments

Revisions

Drawn By: SANDY  
Checked By: TRENT  
Date: 7/19/2019  
Scale: AS NOTED

FITCHBURG STORAGE  
MADISON, WI

## DESCRIPTION

The Galleon™ Wall LED luminaire's appearance is complementary with the Galleon area and site luminaire bringing a modern architectural style to lighting applications. Flexible mounting options accommodate wall surfaces in both an upward and downward configuration. The Galleon family of LED products deliver exceptional performance with patented, high-efficiency AccuLED Optics™, providing uniform and energy conscious lighting for parking lots, building and security lighting applications.

## SPECIFICATION FEATURES

### Construction

Driver enclosure thermally isolated from optics for optimal thermal performance. Heavy wall aluminum housing die-cast with integral external heat sinks to provide superior structural rigidity and an IP66 rated housing. Overall construction passes a 1.5G vibration test to ensure mechanical integrity. UPLIGHTING: Specify with the UPL option for inverted mount upright housing with additional protections to maintain IP rating.

### Optics

Choice of thirteen patented, high-efficiency AccuLED Optics. The optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K, 5000K and 6000K CCT. Greater than 90%

lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 1200mA, 800mA, and 600mA drive currents.

### Electrical

LED drivers are mounted for ease of maintenance. 120-277V 50/60Hz, 347V or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Drivers are provided standard with 0-10V dimming. An optional Eaton proprietary surge protection module is available and designed to withstand 10kV of transient line surge. The Galleon Wall LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Emergency egress options for -20°C ambient environments and occupancy sensor available.

### Mounting

Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" j-box or wall with the Galleon Wall "Hook-N-Lock" mechanism for quick installation. Secured with two captive corrosion resistant black oxide coated allen head set screws which are concealed but accessible from bottom of fixture.

### Finish

Housing finished in super durable 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.

Catalog #		Type	
Project		Date	
Comments			
Prepared by			

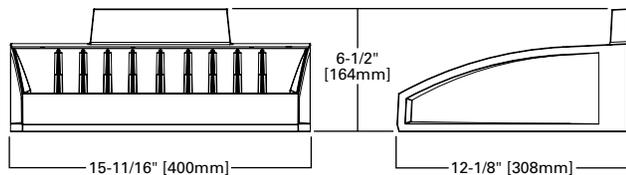


## GWC GALLEON WALL

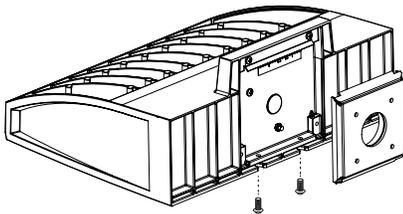
1-2 Light Squares  
Solid State LED

WALL MOUNT LUMINAIRE

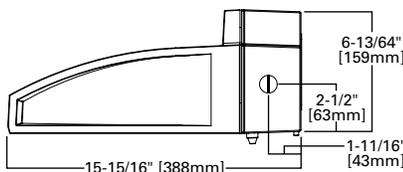
## DIMENSIONS



## HOOK-N-LOCK MOUNTING



## BATTERY BACKUP AND THRU-BRANCH BACK BOX



### CERTIFICATION DATA

UL/cUL Listed  
LM79 / LM80 Compliant  
IP66 Housing  
ISO 9001  
DesignLights Consortium® Qualified\*

### ENERGY DATA

Electronic LED Driver  
>0.9 Power Factor  
<20% Total Harmonic Distortion  
120-277V 50/60Hz  
347V, 480V 60Hz  
-40°C Min. Temperature  
40°C Max. Temperature  
50°C Max. Temperature (HA Option)

### SHIPPING DATA

Approximate Net Weight:  
27 lbs. (12.2 kgs.)

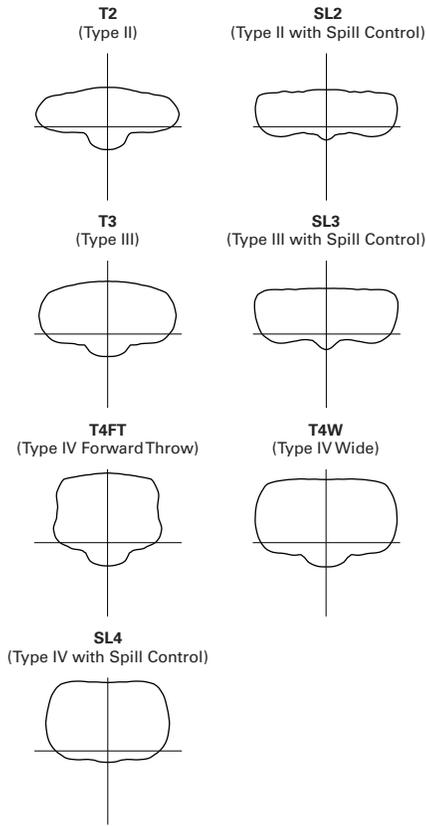
**POWER AND LUMENS**

Number of Light Squares	1				2				
	600mA	800mA	1.0A	1.2A	600mA	800mA	1.0A	1.2A	
Drive Current	600mA	800mA	1.0A	1.2A	600mA	800mA	1.0A	1.2A	
Nominal Power (Watts)	34	44	59	67	66	86	113	129	
Input Current @ 120V (A)	0.30	0.39	0.51	0.58	0.58	0.77	1.02	1.16	
Input Current @ 208V (A)	0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63	
Input Current @ 240V (A)	0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55	
Input Current @ 277V (A)	0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48	
Input Current @ 347V (mA)	0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39	
Input Current @ 480V (mA)	0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.30	
<b>Optics</b>									
T2	4000K/5000K Lumens	4,204	5,156	6,381	7,000	8,215	10,075	12,470	13,680
	3000K Lumens	3,975	4,874	6,033	6,618	7,767	9,525	11,790	12,934
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
T3	4000K/5000K Lumens	4,285	5,256	6,505	7,135	8,375	10,269	12,710	13,943
	3000K Lumens	4,051	4,969	6,150	6,746	7,918	9,710	12,017	13,182
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
T4FT	4000K/5000K Lumens	4,311	5,286	6,542	7,177	8,422	10,329	12,784	14,024
	3000K Lumens	4,075	4,998	6,185	6,786	7,963	9,766	12,086	13,259
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3
T4W	4000K/5000K Lumens	4,254	5,217	6,458	7,084	8,313	10,195	12,619	13,843
	3000K Lumens	4,023	4,933	6,105	6,698	7,860	9,639	11,931	13,088
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3
SL2	4000K/5000K Lumens	4,196	5,147	6,370	6,988	8,202	10,058	12,449	13,656
	3000K Lumens	3,967	4,866	6,022	6,607	7,755	9,509	11,771	12,911
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
SL3	4000K/5000K Lumens	4,284	5,255	6,504	7,134	8,374	10,268	12,709	13,941
	3000K Lumens	3,849	4,720	5,842	6,408	7,520	9,224	11,415	12,523
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3
SL4	4000K/5000K Lumens	4,071	4,992	6,179	6,778	7,954	9,756	12,074	13,246
	3000K Lumens	3,849	4,720	5,842	6,408	7,520	9,224	11,415	12,523
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3
5NQ	4000K/5000K Lumens	4,420	5,420	6,709	7,358	8,637	10,591	13,108	14,380
	3000K Lumens	4,179	5,124	6,343	6,957	8,166	10,013	12,393	13,595
	BUG Rating	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2
5MQ	4000K/5000K Lumens	4,501	5,520	6,831	7,494	8,795	10,786	13,350	14,644
	3000K Lumens	4,256	5,219	6,458	7,085	8,316	10,198	12,622	13,845
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2
5WQ	4000K/5000K Lumens	4,513	5,534	6,849	7,514	8,819	10,815	13,385	14,683
	3000K Lumens	4,268	5,232	6,475	7,104	8,338	10,224	12,656	13,882
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
SLL/SLR	4000K/5000K Lumens	3,765	4,619	5,716	6,270	7,358	9,023	11,167	12,251
	3000K Lumens	3,560	4,367	5,404	5,927	6,957	8,531	10,559	11,583
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3
RW	4000K/5000K Lumens	4,379	5,370	6,647	7,293	8,558	10,494	12,989	14,250
	3000K Lumens	4,141	5,077	6,285	6,895	8,092	9,922	12,281	13,473
	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2

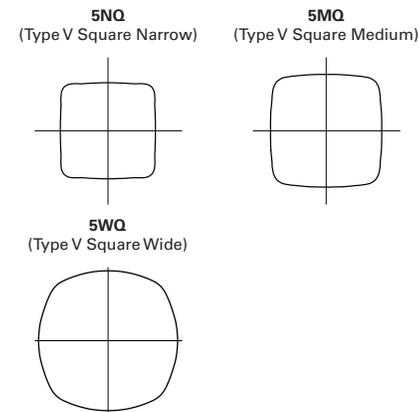
\* Nominal lumen data for 70 CRI. BUG rating for 4000K/5000K. Refer to IES files for 3000K BUG ratings.

**OPTICAL DISTRIBUTIONS**

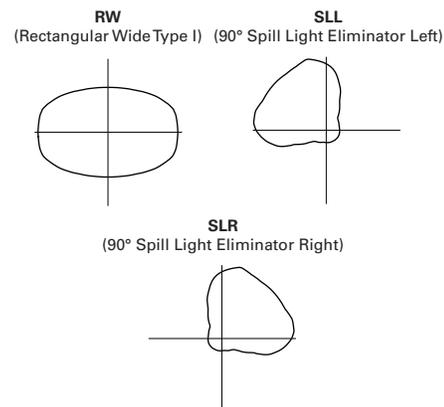
**Asymmetric Area Distributions**



**Symmertric Distributions**

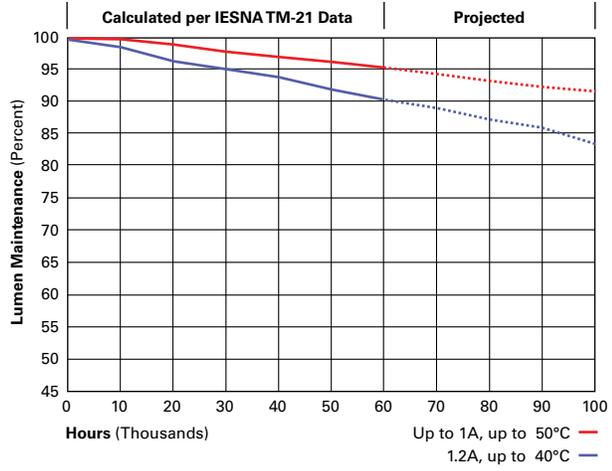


**Specialized Distributions**



**LUMEN MAINTENANCE**

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	> 416,000
1.2A	Up to 40°C	> 90%	> 205,000



**LUMEN MULTIPLIER**

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

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.

Photocontrol (P, R and PER7)

Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

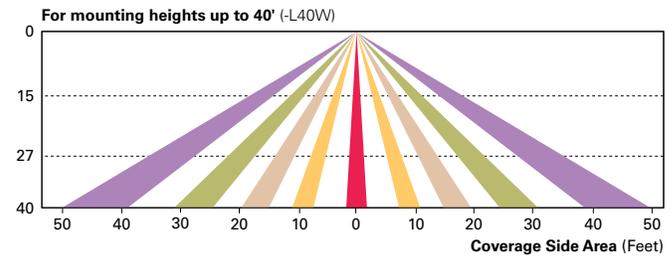
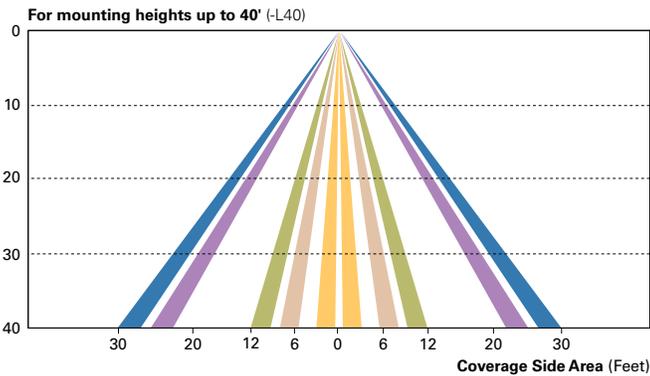
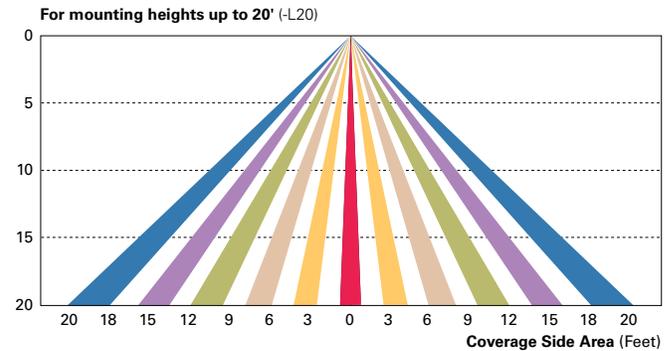
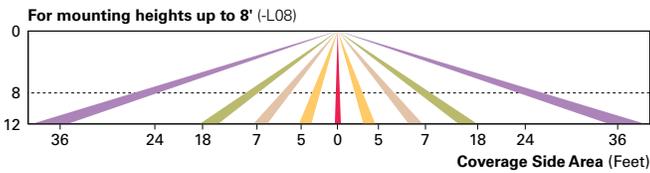
After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

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

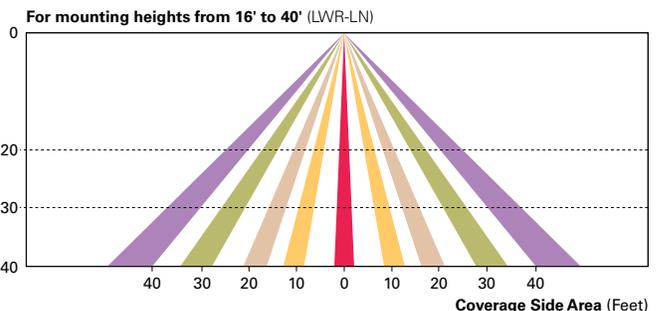
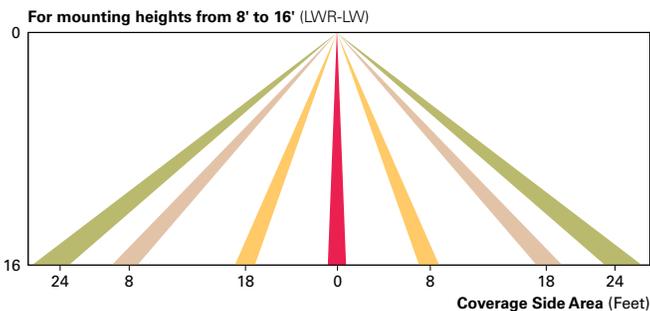
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The 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 Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



WaveLinX Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinX to control outdoor area, site and flood lighting. WaveLinX controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

**ORDERING INFORMATION**

**Sample Number:** GWC-AF-02-LED-E1-T3-GM

Product Family <sup>1</sup>	Light Engine	Number of Light Squares <sup>2</sup>	Lamp Type	Voltage	Distribution	Color	Mounting Options
GWC=Galleon Wall	AF=1A Drive Current	01=1 02=2 <sup>3</sup>	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V <sup>4</sup> 480=480V <sup>4,5</sup>	T2=Type II T3=Type III T4FT=Type IV Forward Throw T4W=Type IV Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I 5NQ=Type V Square Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White CC=Custom Color <sup>6</sup>	[BLANK]=Surface Mount
<b>Options (Add as Suffix)</b>					<b>Accessories (Order Separately)</b>		
7027=70 CRI / 2700K <sup>7</sup> 7030=70 CRI / 3000K <sup>7</sup> 8030=80 CRI / 3000K <sup>7</sup> 7050=70 CRI / 5000K <sup>7</sup> 7060=70 CRI / 6000K <sup>7</sup> 600=Drive Current Factory Set to 600mA 800=Drive Current Factory Set to 800mA 1200=Drive Current Factory Set to 1200mA <sup>8</sup> F=Single Fused (120, 277 or 347V. Must Specify Voltage) FF=Double Fused (208, 240 or 480V. Must Specify Voltage) 10K=10kV Surge Module DIM=0-10V Dimming Leads <sup>9,10</sup> DALI=DALI Driver <sup>11</sup> HA=50°C High Ambient <sup>12</sup> UPL=Uplight Housing <sup>13</sup> BBB=Battery Pack with Back Box <sup>3,8,14,27</sup> CWB=Cold Weather Battery Pack with Back Box <sup>3,8,14,27</sup> P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) R=NEMA Twistlock Photocontrol Receptacle PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle <sup>15</sup> AHD145=After Hours Dim, 5 Hours <sup>16</sup> AHD245=After Hours Dim, 6 Hours <sup>16</sup> AHD255=After Hours Dim, 7 Hours <sup>16</sup> AHD355=After Hours Dim, 8 Hours <sup>16</sup> MS-LXX=Motion Sensor for On/Off Operation <sup>17,18,19</sup> MS/DIM-LXX=Motion Sensor for Dimming Operation <sup>17,18,19</sup> LWR-LW=LumaWatt Wireless Sensor, Wide Lens for 8' - 16' Mounting Height <sup>19,20,21</sup> LWR-LN=LumaWatt Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height <sup>19,20,21</sup> L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top LCF=Light Square Trim Plate Painted to Match Housing <sup>22</sup> HSS=Factory Installed House Side Shield <sup>23</sup> CE=CE Marking and Small Terminal Block <sup>24</sup>					OA/RA1013=Photocontrol Shorting Cap OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V OA/RA1201=NEMA Photocontrol - 347V OA/RA1027=NEMA Photocontrol - 480V MA1252=10kV Circuit Module Replacement MA1059XX=Thru-branch Back Box (Must Specify Color) FSIR-100=Wireless Configuration Tool for Occupancy Sensor <sup>17</sup> LS/HSS=Field Installed House Side Shield <sup>23,25</sup> WOLC-7P-10A=WaveLinX Outdoor Control Module (7-pin) <sup>26</sup>		

- NOTES:**
- DesignLight Consortium® Qualified. Refer to [www.designlights.org](http://www.designlights.org) Qualified Products List under Family Models for details.
  - Standard 4000K CCT and minimum 70 CRI.
  - Two light squares with BBB or CWB options limited to 25°C, 120-277V only.
  - Requires the use of a step down transformer. Not available in combination with sensor options at 1200mA.
  - 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).
  - Custom colors are available. Setup charges apply. Paint chip samples required. Extended Lead times apply.
  - Extended lead times apply. Use dedicated IES files when performing layouts.
  - Not available with HA option.
  - Cannot be used with other control options.
  - Low voltage control lead brought out 18" outside fixture.
  - Only available with BBB or CWB in single light square. HA option available for single light square only. Limited to 1A and below.
  - Not available with 1200, UPL, BBB and CWB options. Available for single light square only.
  - Not available with SL2, SL3, SL4, HA, BBB, CWB, R, or PER7 options.
  - Operates a single light square only. Cold weather option operates -20°C to +40°C, standard 0°C to +40°C. Backbox is non-IP rated.
  - Compatible with standard 3-PIN photocontrols, 5-PIN or 7-PIN ANSI controls.
  - Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
  - The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
  - Replace LXX with the available mounting height options: L08, L20, L40 or L40W are the only choices.
  - Includes integral photosensor.
  - LumaWatt wireless sensors are factory installed requiring network components in appropriate quantities. See [www.eaton.com/lighting](http://www.eaton.com/lighting) for LumaWatt application information.
  - Bronze sensor is shipped with Bronze fixtures. White sensor shipped on all other housing color options.
  - Not available with HSS option.
  - Only for use with SL2, SL3 and SL4 distributions. The light square trim plate is painted black when the HSS option is selected.
  - CE is not available with the 1200, DALI, LWR, MS, MS/DIM, P, R or PER7 options. Available in 120-277V only.
  - One required for each light square.
  - Requires 7-pin NEMA twistlock photocontrol receptacle. The WOLC-7 cannot be used in conjunction with additional sensors or controls.
  - Control option limited to P=Button Type Photocontrol (must specify voltage).

## DESCRIPTION

The Galleon™ LED Flood luminaire combines the low-profile design of the Galleon with the mounting angle flexibility of a pole or wall-mounted floodlight. With a maximum tilt angle of 60° from horizontal, and patented, high-efficiency AccuLED Optics™ technology, it provides uniform and energy conscious illumination for parking lots, container/ rail yards and highway projects. Mounts direct to pole or to a, bullhorn or pole-top tenon. IP66 rated and UL/cUL Listed for wet locations.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

## SPECIFICATION FEATURES

### Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration and IP66 rated up to 60° from horizontal. Optional tool-less hardware available for ease of entry into electrical chamber.

### Optics

Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI.

Optional 6000K CCT, 5000K CCT and 3000K CCT.

### Electrical

LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with our proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED Flood luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

### Mounting

Cast aluminum knuckle arm mounts directly to fixture housing, and is available with either commercial pole mount or slipfitter for bullhorn, pipe or tenon mount. Can be tilted up to 60° from horizontal without compromising vibration or IP rating.

### Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

### Warranty

Five-year warranty.

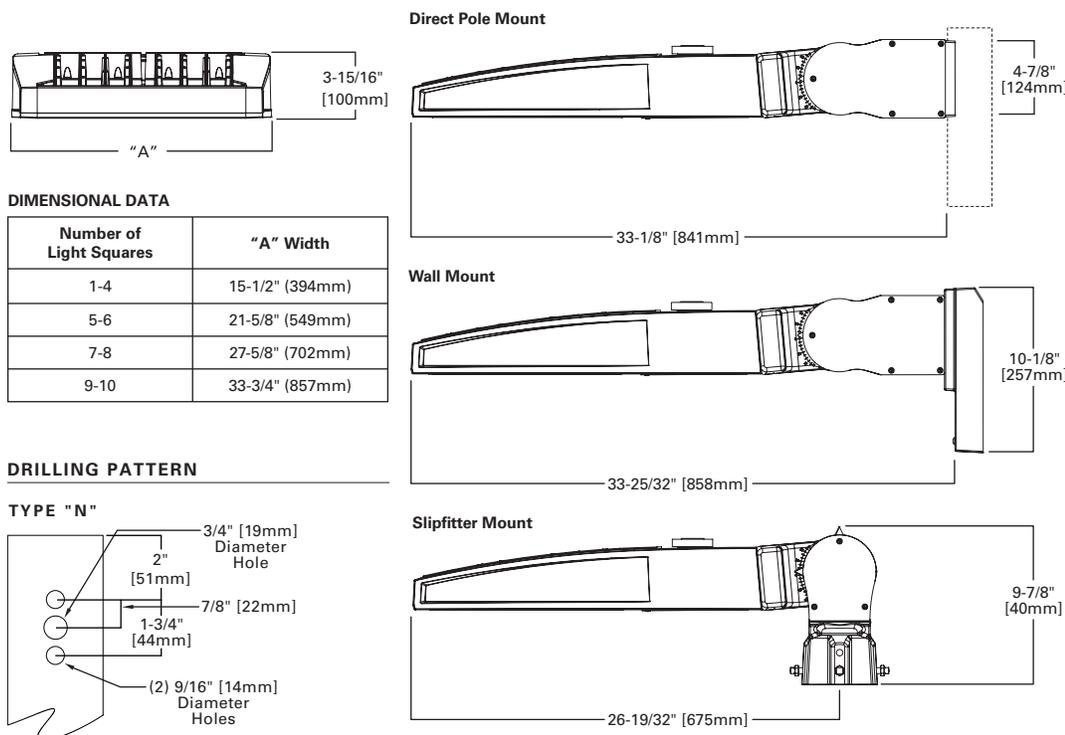


## GLEON GALLEON LED FLOOD

1-10 Light Squares  
Solid State LED

FLOODLIGHT LUMINAIRE

## DIMENSIONS



### DIMENSIONAL DATA

Number of Light Squares	"A" Width
1-4	15-1/2" (394mm)
5-6	21-5/8" (549mm)
7-8	27-5/8" (702mm)
9-10	33-3/4" (857mm)



### CERTIFICATION DATA

UL/cUL Wet Location Listed  
 ISO 9001  
 LM79 / LM80 Compliant  
 3G Vibration Rated up to 60° from Horizontal  
 IP66 Rated up to 60° from Horizontal  
 DesignLights Consortium™ Qualified\*

### ENERGY DATA

**Electronic LED Driver**  
 >0.9 Power Factor  
 <20% Total Harmonic Distortion  
 120V-277V 50/60Hz  
 347V & 480V 60Hz  
 -40°C Min. Temperature  
 40°C Max. Temperature  
 50°C Max. Temperature (HA Option)

EPA CHART

Title Angle (Degrees)	Number of Light Squares	Weight	1 @ 90°	2 @ 180°	2 @ 90°	2 @ 120°	3 @ 90°	3 @ 120°	4 @ 90°
0°	1-4	34 lbs. (15.45 kgs.)	1.21	2.42	1.94	2.19	2.92	2.83	3.87
	5-6	45 lbs. (20.45 kgs.)	1.21	2.42	2.12	2.28	3.12	3.12	4.23
	7-8	55 lbs. (25.00 kgs.)	1.21	2.42	--	2.39	--	3.42	--
	9-10	63 lbs. (28.63 kgs.)	1.21	2.42	--	2.51	--	3.73	--
15°	1-4	34 lbs. (15.45 kgs.)	1.21	2.42	2.14	2.39	3.14	3.16	4.23
	5-6	45 lbs. (20.45 kgs.)	1.21	2.42	2.46	2.46	3.43	3.60	4.91
	7-8	55 lbs. (25.00 kgs.)	1.30	2.59	--	2.65	--	4.06	--
	9-10	63 lbs. (28.63 kgs.)	1.58	3.17	--	3.02	--	4.54	--
30°	1-4	34 lbs. (15.45 kgs.)	1.41	2.82	2.94	2.78	4.05	4.25	5.88
	5-6	45 lbs. (20.45 kgs.)	1.96	3.92	3.66	3.55	5.13	5.18	7.31
	7-8	55 lbs. (25.00 kgs.)	2.51	5.01	--	4.33	--	6.16	--
	9-10	63 lbs. (28.63 kgs.)	3.06	6.12	--	5.14	--	7.23	--
45°	1-4	34 lbs. (15.45 kgs.)	1.99	2.99	3.70	3.60	5.19	5.23	7.40
	5-6	45 lbs. (20.45 kgs.)	2.77	5.55	4.76	4.72	6.76	6.67	9.81
	7-8	55 lbs. (25.00 kgs.)	3.54	7.09	--	5.85	--	8.16	--
	9-10	63 lbs. (28.63 kgs.)	4.33	8.66	--	7.01	--	9.70	--
60°	1-4	34 lbs. (15.45 kgs.)	2.44	4.88	4.30	4.24	6.09	6.04	8.60
	5-6	45 lbs. (20.45 kgs.)	3.40	6.79	--	5.64	--	7.88	--
	7-8	55 lbs. (25.00 kgs.)	4.34	8.68	--	7.03	--	9.72	--
	9-10	63 lbs. (28.63 kgs.)	5.30	10.60	--	--	--	--	--

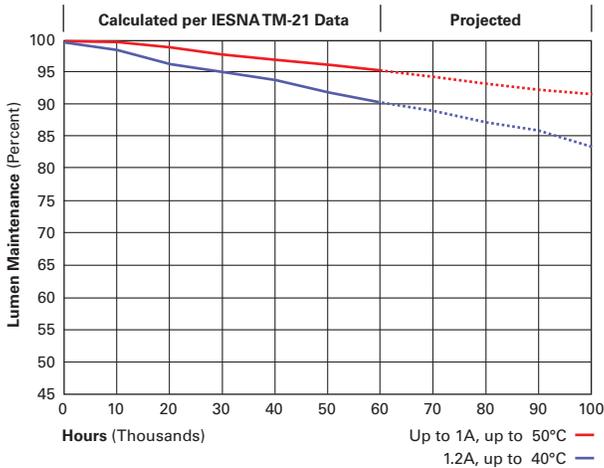
Note: Mounting not valid where left blank due to clearance.

LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97



## NOMINAL POWER LUMENS (1.2A)

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
Nominal Power (Watts)	67	129	191	258	320	382	448	511	575	640	
Input Current @ 120V (A)	0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87	
Input Current @ 208V (A)	0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14	
Input Current @ 240V (A)	0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71	
Input Current @ 277V (A)	0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36	
Input Current @ 347V (A)	0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92	
Input Current @ 480V (A)	0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45	
<b>Optics</b>											
T2	4000K/5000K Lumens	6,709	13,111	19,562	25,848	32,026	38,325	45,324	51,355	57,286	63,424
	3000K Lumens	5,939	11,606	17,316	22,881	28,349	33,925	40,121	45,459	50,710	56,143
T2R	4000K/5000K Lumens	7,122	13,919	20,769	27,442	34,000	40,687	48,117	54,519	60,816	67,333
	3000K Lumens	5,939	11,606	17,316	22,881	28,349	33,925	40,121	45,459	50,710	56,143
T3	4000K/5000K Lumens	6,838	13,363	19,939	26,346	32,642	39,062	46,196	52,343	58,388	64,646
	3000K Lumens	6,053	11,829	17,650	23,321	28,895	34,578	40,893	46,334	51,685	57,225
T3R	4000K/5000K Lumens	6,990	13,660	20,382	26,931	33,368	39,930	47,223	53,506	59,686	66,081
	3000K Lumens	6,188	12,092	18,042	23,839	29,537	35,346	41,802	47,364	52,834	58,495
T4FT	4000K/5000K Lumens	6,878	13,440	20,055	26,499	32,832	39,289	46,464	52,646	58,726	65,020
	3000K Lumens	6,088	11,897	17,753	23,457	29,063	34,779	41,130	46,602	51,984	57,556
T4W	4000K/5000K Lumens	6,789	13,267	19,795	26,156	32,408	38,781	45,864	51,967	57,968	64,180
	3000K Lumens	6,010	11,744	17,523	23,153	28,688	34,329	40,599	46,001	51,313	56,812
SL2	4000K/5000K Lumens	6,697	13,088	19,529	25,804	31,970	38,259	45,245	51,267	57,186	63,315
	3000K Lumens	5,928	11,585	17,287	22,842	28,300	33,867	40,051	45,382	50,621	56,046
SL3	4000K/5000K Lumens	6,837	13,361	19,936	26,342	32,639	39,057	46,189	52,336	58,380	64,636
	3000K Lumens	6,052	11,827	17,647	23,318	28,892	34,573	40,887	46,328	51,678	57,216
SL4	4000K/5000K Lumens	6,496	12,695	18,943	25,029	31,011	37,110	43,886	49,727	55,470	61,414
	3000K Lumens	5,750	11,238	16,768	22,156	27,451	32,850	38,848	44,018	49,102	54,364
5NQ	4000K/5000K Lumens	7,052	13,781	20,564	27,171	33,664	40,285	47,641	53,981	60,215	66,669
	3000K Lumens	6,242	12,199	18,203	24,052	29,799	35,660	42,172	47,784	53,302	59,015
5MQ	4000K/5000K Lumens	7,182	14,034	20,942	27,671	34,284	41,027	48,518	54,975	61,323	67,896
	3000K Lumens	6,358	12,423	18,538	24,494	30,348	36,317	42,948	48,664	54,283	60,102
5WQ	4000K/5000K Lumens	7,201	14,073	20,998	27,744	34,375	41,136	48,648	55,121	61,487	68,077
	3000K Lumens	6,374	12,457	18,587	24,559	30,429	36,414	43,063	48,793	54,428	60,262
SLL/SLR	4000K/5000K Lumens	6,009	11,741	17,519	23,148	28,681	34,321	40,589	45,990	51,301	56,798
	3000K Lumens	5,319	10,393	15,508	20,491	25,388	30,381	35,929	40,710	45,412	50,278
RW	4000K/5000K Lumens	6,989	13,657	20,378	26,925	33,360	39,921	47,211	53,494	59,672	66,066
	3000K Lumens	6,187	12,089	18,039	23,834	29,530	35,338	41,791	47,353	52,822	58,482
AFL	4000K/5000K Lumens	7,014	13,706	20,452	27,023	33,481	40,066	47,383	53,688	59,888	66,306
	3000K Lumens	6,209	12,133	18,104	23,921	29,637	35,466	41,943	47,525	53,013	58,694

\* Nominal data for 70 CRI.

## NOMINAL POWER LUMENS (1A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		59	113	166	225	279	333	391	445	501	558
Input Current @ 120V (A)		0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.6	5.07
Input Current @ 208V (A)		0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75
Input Current @ 240V (A)		0.26	0.48	0.71	0.96	1.19	1.41	1.67	1.89	2.12	2.39
Input Current @ 277V (A)		0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09
Input Current @ 347V (A)		0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68
Input Current @ 480V (A)		0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28
<b>Optics</b>											
T2	4000K/5000K Lumens	6,116	11,951	17,833	23,563	29,195	34,937	41,317	46,814	52,221	57,817
	3000K Lumens	5,414	10,579	15,786	20,858	25,843	30,926	36,574	41,440	46,226	51,180
T2R	4000K/5000K Lumens	6,493	12,688	18,932	25,015	30,994	37,090	43,863	49,699	55,439	61,380
	3000K Lumens	5,748	11,231	16,759	22,143	27,436	32,832	38,828	43,994	49,075	54,334
T3	4000K/5000K Lumens	6,234	12,181	18,176	24,017	29,756	35,609	42,111	47,715	53,225	58,930
	3000K Lumens	5,518	10,783	16,089	21,260	26,340	31,521	37,277	42,237	47,115	52,165
T3R	4000K/5000K Lumens	6,372	12,453	18,580	24,550	30,418	36,400	43,048	48,776	54,409	60,239
	3000K Lumens	5,640	11,023	16,447	21,732	26,926	32,221	38,106	43,177	48,163	53,324
T4FT	4000K/5000K Lumens	6,270	12,252	18,282	24,156	29,929	35,815	42,356	47,992	53,534	59,271
	3000K Lumens	5,550	10,845	16,183	21,383	26,493	31,703	37,494	42,483	47,388	52,467
T4W	4000K/5000K Lumens	6,189	12,094	18,045	23,844	29,543	35,352	41,809	47,372	52,843	58,506
	3000K Lumens	5,479	10,706	15,973	21,107	26,151	31,294	37,009	41,934	46,777	51,790
SL2	4000K/5000K Lumens	6,105	11,931	17,803	23,522	29,144	34,877	41,245	46,734	52,130	57,717
	3000K Lumens	5,404	10,561	15,759	20,822	25,798	30,873	36,510	41,369	46,145	51,091
SL3	4000K/5000K Lumens	6,233	12,180	18,174	24,013	29,753	35,604	42,106	47,708	53,218	58,921
	3000K Lumens	5,517	10,782	16,088	21,256	26,337	31,517	37,272	42,231	47,109	52,157
SL4	4000K/5000K Lumens	5,922	11,572	17,268	22,816	28,269	33,829	40,006	45,330	50,566	55,984
	3000K Lumens	5,242	10,244	15,286	20,197	25,024	29,945	35,413	40,126	44,761	49,557
5NQ	4000K/5000K Lumens	6,429	12,563	18,746	24,768	30,688	36,723	43,429	49,208	54,891	60,775
	3000K Lumens	5,691	11,121	16,594	21,925	27,165	32,507	38,443	43,559	48,590	53,798
5MQ	4000K/5000K Lumens	6,547	12,794	19,090	25,224	31,253	37,400	44,228	50,114	55,902	61,893
	3000K Lumens	5,795	11,325	16,898	22,328	27,665	33,106	39,151	44,361	49,484	54,788
5WQ	4000K/5000K Lumens	6,564	12,828	19,141	25,291	31,336	37,499	44,347	50,248	56,051	62,058
	3000K Lumens	5,810	11,355	16,944	22,388	27,739	33,194	39,256	44,480	49,616	54,934
SLL/SLR	4000K/5000K Lumens	5,478	10,703	15,970	21,102	26,145	31,286	37,001	41,924	46,765	51,777
	3000K Lumens	4,849	9,474	14,137	18,679	23,144	27,694	32,753	37,111	41,396	45,833
RW	4000K/5000K Lumens	6,371	12,449	18,576	24,544	30,411	36,392	43,037	48,764	54,396	60,225
	3000K Lumens	5,640	11,020	16,443	21,726	26,920	32,214	38,096	43,166	48,151	53,311
AFL	4000K/5000K Lumens	6,394	12,494	18,644	24,634	30,521	36,524	43,194	48,942	54,593	60,444
	3000K Lumens	5,660	11,060	16,504	21,806	27,017	32,331	38,235	43,323	48,326	53,505

\* Nominal data for 70 CRI.

## NOMINAL POWER LUMENS (800MA)

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
Nominal Power (Watts)	44	85	124	171	210	249	295	334	374	419	
Input Current @ 120V (A)	0.39	0.77	1.13	1.54	1.90	2.26	2.67	3.03	3.39	3.80	
Input Current @ 208V (A)	0.22	0.44	0.62	0.88	1.06	1.24	1.50	1.68	1.87	2.12	
Input Current @ 240V (A)	0.19	0.38	0.54	0.76	0.92	1.08	1.30	1.46	1.62	1.84	
Input Current @ 277V (A)	0.17	0.36	0.47	0.72	0.83	0.95	1.19	1.31	1.42	1.67	
Input Current @ 347V (A)	0.15	0.24	0.38	0.49	0.63	0.77	0.87	1.01	1.15	1.52	
Input Current @ 480V (A)	0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96	
<b>Optics</b>											
T2	4000K/5000K Lumens	4,941	9,656	14,408	19,038	23,588	28,227	33,382	37,823	42,191	46,713
	3000K Lumens	4,374	8,547	12,754	16,852	20,880	24,987	29,550	33,481	37,347	41,350
T2R	4000K/5000K Lumens	5,246	10,251	15,296	20,211	25,041	29,966	35,439	40,154	44,791	49,592
	3000K Lumens	4,644	9,074	13,540	17,891	22,166	26,526	31,371	35,544	39,649	43,899
T3	4000K/5000K Lumens	5,037	9,842	14,685	19,404	24,041	28,770	34,024	38,551	43,003	47,612
	3000K Lumens	4,459	8,712	12,999	17,176	21,281	25,467	30,118	34,125	38,066	42,146
T3R	4000K/5000K Lumens	5,148	10,061	15,011	19,835	24,576	29,409	34,780	39,408	43,959	48,669
	3000K Lumens	4,557	8,906	13,288	17,558	21,755	26,033	30,787	34,884	38,913	43,082
T4FT	4000K/5000K Lumens	5,066	9,899	14,770	19,516	24,181	28,936	34,221	38,774	43,252	47,888
	3000K Lumens	4,484	8,763	13,074	17,276	21,405	25,614	30,292	34,323	38,287	42,390
T4W	4000K/5000K Lumens	5,000	9,771	14,579	19,264	23,869	28,562	33,779	38,274	42,694	47,269
	3000K Lumens	4,426	8,649	12,905	17,052	21,129	25,283	29,901	33,880	37,793	41,843
SL2	4000K/5000K Lumens	4,933	9,639	14,383	19,005	23,547	28,178	33,324	37,758	42,118	46,632
	3000K Lumens	4,367	8,532	12,732	16,823	20,844	24,943	29,498	33,423	37,283	41,279
SL3	4000K/5000K Lumens	5,036	9,841	14,683	19,401	24,039	28,766	34,019	38,546	42,997	47,605
	3000K Lumens	4,458	8,711	12,997	17,174	21,279	25,464	30,114	34,121	38,061	42,140
SL4	4000K/5000K Lumens	4,784	9,350	13,951	18,434	22,840	27,332	32,323	36,624	40,854	45,232
	3000K Lumens	4,235	8,277	12,349	16,318	20,218	24,194	28,612	32,420	36,164	40,039
5NQ	4000K/5000K Lumens	5,194	10,150	15,145	20,011	24,794	29,670	35,088	39,757	44,349	49,102
	3000K Lumens	4,598	8,985	13,406	17,714	21,948	26,264	31,060	35,193	39,258	43,465
5MQ	4000K/5000K Lumens	5,290	10,337	15,424	20,380	25,250	30,217	35,734	40,489	45,165	50,006
	3000K Lumens	4,683	9,150	13,653	18,040	22,351	26,748	31,632	35,841	39,980	44,265
5WQ	4000K/5000K Lumens	5,304	10,365	15,465	20,434	25,318	30,297	35,830	40,597	45,286	50,139
	3000K Lumens	4,695	9,175	13,690	18,088	22,411	26,819	31,717	35,936	40,087	44,383
SLL/SLR	4000K/5000K Lumens	4,426	8,648	12,903	17,049	21,124	25,278	29,894	33,872	37,784	41,832
	3000K Lumens	3,918	7,655	11,422	15,092	18,699	22,376	26,462	29,983	33,446	37,030
RW	4000K/5000K Lumens	5,147	10,058	15,009	19,830	24,570	29,402	34,771	39,399	43,949	48,658
	3000K Lumens	4,556	8,903	13,286	17,554	21,749	26,027	30,779	34,876	38,904	43,072
AFL	4000K/5000K Lumens	5,166	10,095	15,063	19,903	24,659	29,509	34,898	39,542	44,108	48,835
	3000K Lumens	4,573	8,936	13,334	17,618	21,828	26,121	30,892	35,003	39,044	43,229

\* Nominal data for 70 CRI.

## NOMINAL POWER LUMENS (600MA)

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
Nominal Power (Watts)	34	66	96	129	162	193	226	257	290	323	
Input Current @ 120V (A)	0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89	
Input Current @ 208V (A)	0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63	
Input Current @ 240V (A)	0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43	
Input Current @ 277V (A)	0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33	
Input Current @ 347V (A)	0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99	
Input Current @ 480V (A)	0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	4,029	7,874	11,749	15,525	19,235	23,019	27,222	30,844	34,406	38,093
	3000K Lumens	3,566	6,970	10,400	13,743	17,027	20,376	24,097	27,303	30,456	33,720
<b>T2R</b>	4000K/5000K Lumens	4,278	8,360	12,474	16,482	20,421	24,437	28,900	32,745	36,527	40,441
	3000K Lumens	3,787	7,400	11,042	14,590	18,077	21,632	25,582	28,986	32,334	35,798
<b>T3</b>	4000K/5000K Lumens	4,107	8,026	11,976	15,824	19,605	23,461	27,746	31,438	35,068	38,827
	3000K Lumens	3,636	7,105	10,601	14,007	17,354	20,768	24,561	27,829	31,042	34,370
<b>T3R</b>	4000K/5000K Lumens	4,198	8,205	12,242	16,175	20,041	23,982	28,363	32,137	35,848	39,689
	3000K Lumens	3,716	7,263	10,837	14,318	17,740	21,229	25,107	28,448	31,733	35,133
<b>T4FT</b>	4000K/5000K Lumens	4,131	8,072	12,045	15,915	19,719	23,597	27,907	31,620	35,272	39,052
	3000K Lumens	3,657	7,145	10,662	14,088	17,455	20,888	24,703	27,990	31,223	34,569
<b>T4W</b>	4000K/5000K Lumens	4,077	7,968	11,889	15,710	19,465	23,292	27,546	31,212	34,816	38,547
	3000K Lumens	3,609	7,053	10,524	13,906	17,230	20,618	24,384	27,629	30,819	34,122
<b>SL2</b>	4000K/5000K Lumens	4,022	7,861	11,729	15,498	19,202	22,979	27,175	30,791	34,347	38,028
	3000K Lumens	3,560	6,959	10,383	13,719	16,998	20,341	24,055	27,256	30,404	33,662
<b>SL3</b>	4000K/5000K Lumens	4,106	8,025	11,974	15,821	19,603	23,458	27,742	31,433	35,064	38,821
	3000K Lumens	3,635	7,104	10,599	14,005	17,353	20,765	24,557	27,824	31,039	34,364
<b>SL4</b>	4000K/5000K Lumens	3,902	7,624	11,377	15,033	18,626	22,289	26,359	29,867	33,316	36,886
	3000K Lumens	3,454	6,749	10,071	13,307	16,488	19,730	23,333	26,438	29,491	32,651
<b>5NQ</b>	4000K/5000K Lumens	4,236	8,277	12,351	16,319	20,219	24,196	28,614	32,422	36,166	40,042
	3000K Lumens	3,750	7,327	10,933	14,446	17,898	21,418	25,329	28,700	32,014	35,445
<b>5MQ</b>	4000K/5000K Lumens	4,314	8,429	12,578	16,619	20,591	24,641	29,141	33,019	36,832	40,779
	3000K Lumens	3,819	7,461	11,134	14,711	18,227	21,812	25,796	29,228	32,604	36,098
<b>5WQ</b>	4000K/5000K Lumens	4,325	8,452	12,611	16,664	20,646	24,707	29,219	33,106	36,930	40,888
	3000K Lumens	3,828	7,482	11,163	14,751	18,276	21,871	25,865	29,305	32,690	36,194
<b>SLL/SLR</b>	4000K/5000K Lumens	3,609	7,052	10,522	13,903	17,226	20,613	24,378	27,622	30,812	34,114
	3000K Lumens	3,195	6,242	9,314	12,307	15,248	18,247	21,579	24,451	27,275	30,198
<b>RW</b>	4000K/5000K Lumens	4,197	8,202	12,239	16,171	20,036	23,977	28,356	32,129	35,839	39,680
	3000K Lumens	3,715	7,260	10,834	14,315	17,736	21,224	25,101	28,441	31,725	35,125
<b>AFL</b>	4000K/5000K Lumens	4,213	8,232	12,284	16,230	20,109	24,064	28,459	32,246	35,969	39,824
	3000K Lumens	3,729	7,287	10,874	14,367	17,800	21,301	25,192	28,544	31,840	35,252

\* Nominal data for 70 CRI.

## CONTROL OPTIONS

**0-10V (DIM)**

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.

**Photocontrol (P, R and PER7)**

Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

**After Hours Dim (AHD)**

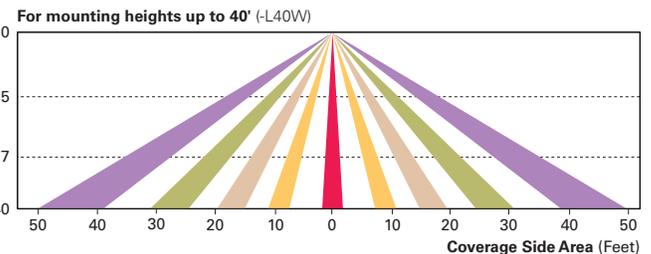
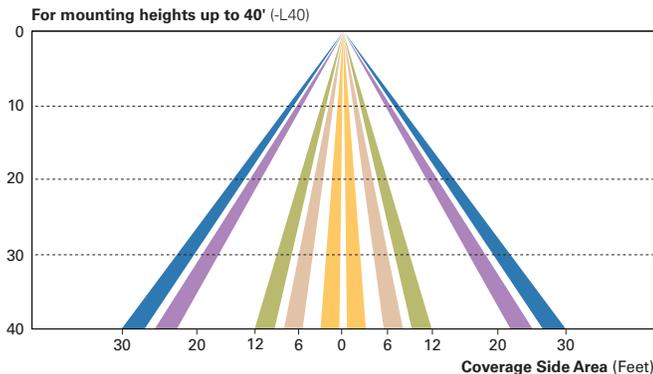
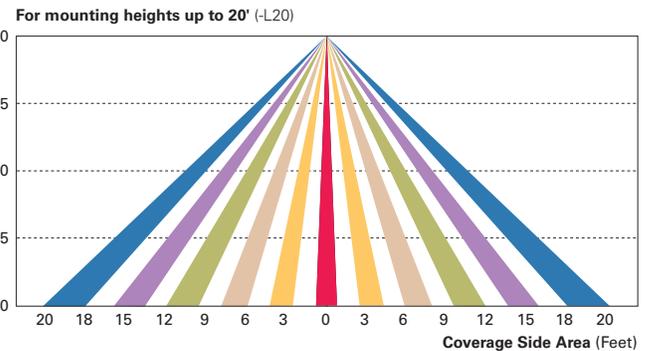
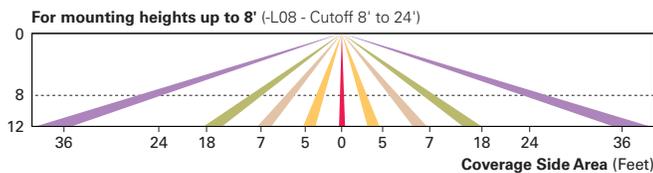
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

**Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-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.

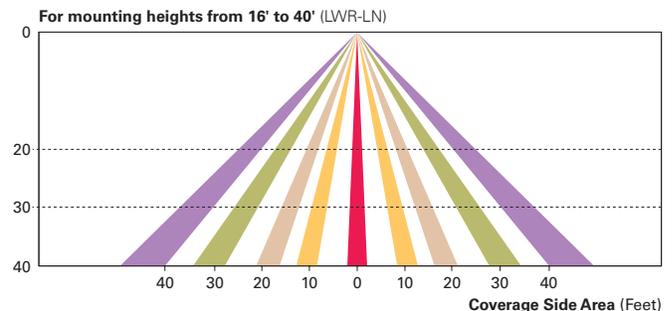
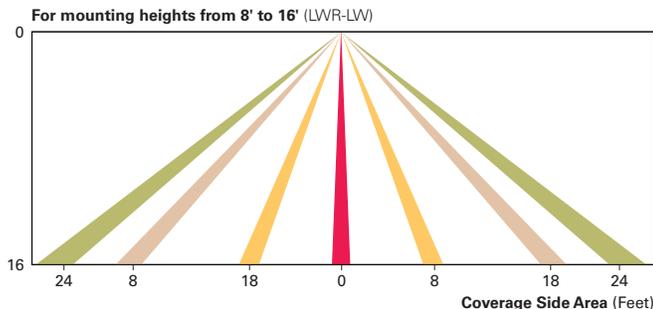
These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters.

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

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

The LumaWatt 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 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 product guides.



## ORDERING INFORMATION

Sample Number: GLEON-AF-04-LED-E1-T4FT-GM-ADJS-800

Product Family <sup>1,2</sup>	Light Engine	Number of Light Squares <sup>3</sup>	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON=Galleon	AF=1A Drive Current	01=1 02=2 03=3 04=4 05=5 06=6 07=7 08=8 09=9 10=10	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V <sup>4</sup> 480=480V <sup>4,5</sup>	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White	ADJA=Adjustable Arm - Direct Pole Mount <sup>6</sup> ADJS=Adjustable Arm - Slipfitter <sup>6</sup> ADJA-WM=Adjustable Arm - Direct Pole Mount and Wall Mount Adapter <sup>6</sup>
<b>Options</b> (Add as Suffix)					<b>Accessories</b> (Order Separately)		
<b>7030</b> =70 CRI 3000K <sup>7</sup> <b>8030</b> =80 CRI 3000K <sup>8</sup> <b>7050</b> =70 CRI 5000K <sup>7</sup> <b>7060</b> =70 CRI 6000K <sup>7</sup> <b>600</b> =Drive Current Factory Set to Nominal 600mA <sup>9</sup> <b>800</b> =Drive Current Factory Set to Nominal 800mA <sup>9</sup> <b>1200</b> =Drive Current Factory Set to Nominal 1200mA <sup>10</sup> <b>F</b> =Single Fuse (120, 277 or 347V. Must Specify Voltage) <b>FF</b> =Double Fuse (208, 240 or 480V. Must Specify Voltage) <b>2L</b> =Two Circuits <sup>11,12</sup> <b>DIM</b> =External 0-10V Dimming Leads <b>P</b> =Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) <b>PER7</b> =NEMA 7-PIN Twistlock Photocontrol Receptacle <b>R</b> =NEMA Twistlock Photocontrol Receptacle <b>AHD145</b> =After Hours Dim, 5 Hours <sup>13</sup> <b>AHD245</b> =After Hours Dim, 6 Hours <sup>13</sup> <b>AHD255</b> =After Hours Dim, 7 Hours <sup>13</sup> <b>AHD355</b> =After Hours Dim, 8 Hours <sup>13</sup> <b>HA</b> =50°C High Ambient <sup>14</sup> <b>MS/DIM-L08</b> =Motion Sensor for Dimming Operation, Maximum 8' Mounting Height <sup>15,16</sup> <b>MS/DIM-L20</b> =Motion Sensor for Dimming Operation, 9' - 20' Mounting Height <sup>15,17</sup> <b>MS/DIM-L40</b> =Motion Sensor for Dimming Operation, 21' - 40' Mounting Height <sup>15,18</sup> <b>MS/DIM-L40W</b> =Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range) <sup>15,19</sup> <b>MS/X-L08</b> =Bi-Level Motion Sensor, Maximum 8' Mounting Height <sup>15,16,20</sup> <b>MS/X-L20</b> =Bi-Level Motion Sensor, 9' - 20' Mounting Height <sup>15,17,20</sup> <b>MS/X-L40</b> =Bi-Level Motion Sensor, 21' - 40' Mounting Height <sup>15,18,20</sup> <b>MS/X-L40W</b> =Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range) <sup>15,19,20</sup> <b>MS-L08</b> =Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height <sup>15,16</sup> <b>MS-L20</b> =Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height <sup>15,17</sup> <b>MS-L40</b> =Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height <sup>15,18</sup> <b>MS-L40W</b> =Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range) <sup>15,19</sup> <b>LWR-LW</b> =LumaWatt Wireless Sensor, Wide Lens for 8' - 16' Mounting Height <sup>21</sup> <b>LWR-LN</b> =LumaWatt Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height <sup>21</sup> <b>L90</b> =Optics Rotated 90° Left <b>R90</b> =Optics Rotated 90° Right <b>MT</b> =Factory Installed Mesh Top <b>TH</b> =Tool-less Door Hardware <b>LCF</b> =Light Square Trim Plate Painted to Match Housing <sup>22</sup> <b>HSS</b> =Factory Installed House Side Shield <sup>23</sup>					<b>OA/RA1016</b> =NEMA Photocontrol Multi-Tap - 105-285V <b>OA/RA1027</b> =NEMA Photocontrol - 480V <b>OA/RA1201</b> =NEMA Photocontrol - 347V <b>OA/RA1013</b> =Photocontrol Shorting Cap <b>OA/RA1014</b> =120V Photocontrol <b>MA1252</b> =10kV Surge Module Replacement <b>MA1036-XX</b> =Single Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1037-XX</b> =2@180° Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1197-XX</b> =3@120° Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1188-XX</b> =4@90° Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1189-XX</b> =2@90° Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1190-XX</b> =3@90° Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1191-XX</b> =2@120° Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1038-XX</b> =Single Tenon Adapter for 3-1/2" O.D. Tenon <b>MA1039-XX</b> =2@180° Tenon Adapter for 3-1/2" O.D. Tenon <b>MA1192-XX</b> =3@120° Tenon Adapter for 3-1/2" O.D. Tenon <b>MA1193-XX</b> =4@90° Tenon Adapter for 3-1/2" O.D. Tenon <b>MA1194-XX</b> =2@90° Tenon Adapter for 3-1/2" O.D. Tenon <b>MA1195-XX</b> =3@90° Tenon Adapter for 3-1/2" O.D. Tenon <b>FSIR-100</b> =Wireless Configuration Tool for Occupancy Sensor <sup>15</sup> <b>GLEON-MT1</b> =Field Installed Mesh Top for 1-4 Light Squares <b>GLEON-MT2</b> =Field Installed Mesh Top for 5-6 Light Squares <b>GLEON-MT3</b> =Field Installed Mesh Top for 7-8 Light Squares <b>GLEON-MT4</b> =Field Installed Mesh Top for 9-10 Light Squares <b>LS/HSS</b> =Field Installed House Side Shield <sup>22,24</sup>		

## NOTES:

- DesignLights Consortium™ Qualified. Refer to [www.designlights.org](http://www.designlights.org) Qualified Products List under Family Models for details.
- 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.
- Standard 4000K CCT and minimum 70 CRI.
- Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A.
- 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).
- Vibration and IP ratings maintained up to 60° from horizontal.
- Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon LED Flood product page on the website.
- Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon LED Flood product page on the website.
- 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. These files are published on the Galleon LED Flood product page on the website.
- Not available with HA option.
- 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table.
- Not available with LumaWatt wireless sensors.
- Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
- 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents.
- The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
- Approximately 22' detection diameter at 8' mounting height.
- Approximately 40' detection diameter at 20' mounting height.
- Approximately 60' detection diameter at 40' mounting height.
- Approximately 100' detection diameter at 40' mounting height.
- Replace X with number of Light Squares operating in low output mode.
- LumaWatt wireless sensors are factory installed only requiring network components RF-EM-1, RF-GW-1 and RF-ROUT-1 in appropriate quantities. See [www.eaton.com/lighting](http://www.eaton.com/lighting) for LumaWatt application information.
- Not available with house side shield (HSS).
- Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected.
- One required for each Light Square.