



# URBAN DESIGN COMMISSION APPLICATION CITY OF MADISON

This form may also be completed online at:  
<http://www.cityofmadison.com/planning/documents/UDCApplication.pdf>

215 Martin Luther King Jr. Blvd; Room LL-100  
PO Box 2985; Madison, Wisconsin 53701-2985  
Phone: 608.266.4635 | Facsimile: 608.267.8739

Please complete all sections of the application, including the desired meeting date and the type of action requested.

Date Submitted: <u>SEPTEMBER 10, 2014</u>	<input type="checkbox"/> Informational Presentation
UDC Meeting Date: <u>NOVEMBER 5, 2014</u>	<input type="checkbox"/> Initial Approval
Combined Schedule Plan Commission Date (if applicable): <u>NOV. 10, 2014</u>	<input checked="" type="checkbox"/> Final Approval

1. Project Address: 5712 ODANA ROAD  
Project Title (if any): SMART MOTORS - BLDG. DEMOLITION - NEW PARKING

2. This is an application for (Check all that apply to this UDC application):

New Development     Alteration to an Existing or Previously-Approved Development

**A. Project Type:**

- Project in an Urban Design District\* (public hearing-\$300 fee)
- Project in the Downtown Core District (DC) or Urban Mixed-Use District (UMX) (\$150 fee, Minor Exterior Alterations)
- Suburban Employment Center (SEC) or Campus Institutional District (CI) or Employment Center (EC)
- Planned Development (PD)
  - General Development Plan (GDP)
  - Specific Implementation Plan (SIP)
- Planned Multi-Use Site or Planned Residential Complex

SEP 10 2014

**B. Signage:**

- Comprehensive Design Review\* (public hearing-\$300 fee)
- Signage Exception(s) in an Urban Design District (public hearing-\$300 fee)
- Street Graphics Variance

Planning & Community & Economic Development

**C. Other:**

Please specify: \_\_\_\_\_

**3. Applicant, Agent & Property Owner Information:**

Applicant Name: JIM TRIATIK  
Street Address: 1314 EMIL ST.  
Telephone: (608) 257-2289 Fax: (608) 257-2906

Company: SULLIVAN DESIGN BUILD  
City/State: MADISON WI Zip: 53713  
Email: JIM@SULLIVANDESIGNBUILD.COM

Project Contact Person: SAME AS ABOVE  
Street Address: \_\_\_\_\_  
Telephone: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_

Company: \_\_\_\_\_  
City/State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Email: \_\_\_\_\_

Project Owner (if not applicant): ALLEN FOSTER - SMART MOTORS  
Street Address: 5901 ODANA ROAD  
Telephone: (608) 275-7808 Fax: ( ) \_\_\_\_\_

City/State: MADISON WI Zip: 53719  
Email: A.FOSTER@SMARTMOTORS.COM

**4. Applicant Declarations:**

A. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with AL MARTIN on 8-18-14.  
(name of staff person) (date of meeting)

B. The applicant attests that all required materials are included in this submittal and understands that if any required information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

Name of Applicant JIM TRIATIK

Relationship to Property ARCHITECT/BUILDER

Authorized Signature *Jim Triatik*

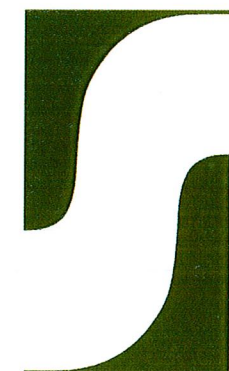
Date 9-6-14



**SUBMITTAL TO:**  
CITY OF MADISON  
URBAN DESIGN COMMISSION

**TYPE OF PROJECT:**  
Building Demolition/new parking lot  
5712 Odana Road

**SUBMITTED:**  
09/10/2014



Since 1937

**Sullivan**  
design **BUILD**

TEL: 608.257.2289



September 10, 2014

**Letter of Intent for Smart Motors – Building demolition/new parking lot  
5712 Odana Road**

Dear Commission Members,

Smart Motors continues to grow and needs to expand their current operations. This month we will complete construction of the building that will be used to prep new cars, referring to this as Phase 1. (It is across the street from Smart Motors main building.) **This submittal is our next phase – Phase 2 – and is for the demolition of a one story wood framed office building at 5712 Odana Road and construction of a new parking lot where the building stood.** The removal of 5712 Odana would make room for a new Pre-Owned auto sales building (Phase 3). Operations of the existing pre-owned sales building at 5702 Odana Road would then move to this new facility. The timeline for demolition will be this fall, with construction of the new Pre-Owned building to begin within two years. The design of Phase 3 will be submitted at a later date.

Our Project team includes:

Architect: Jim Triatik of Sullivan Design Build  
General Contractor: Sullivan Design Build  
Landscape Design: Barnes Inc.  
Site Engineering: Quam Engineering, L.L.C.  
Site Lighting: Rob Rudolf of Electric Construction, Inc.

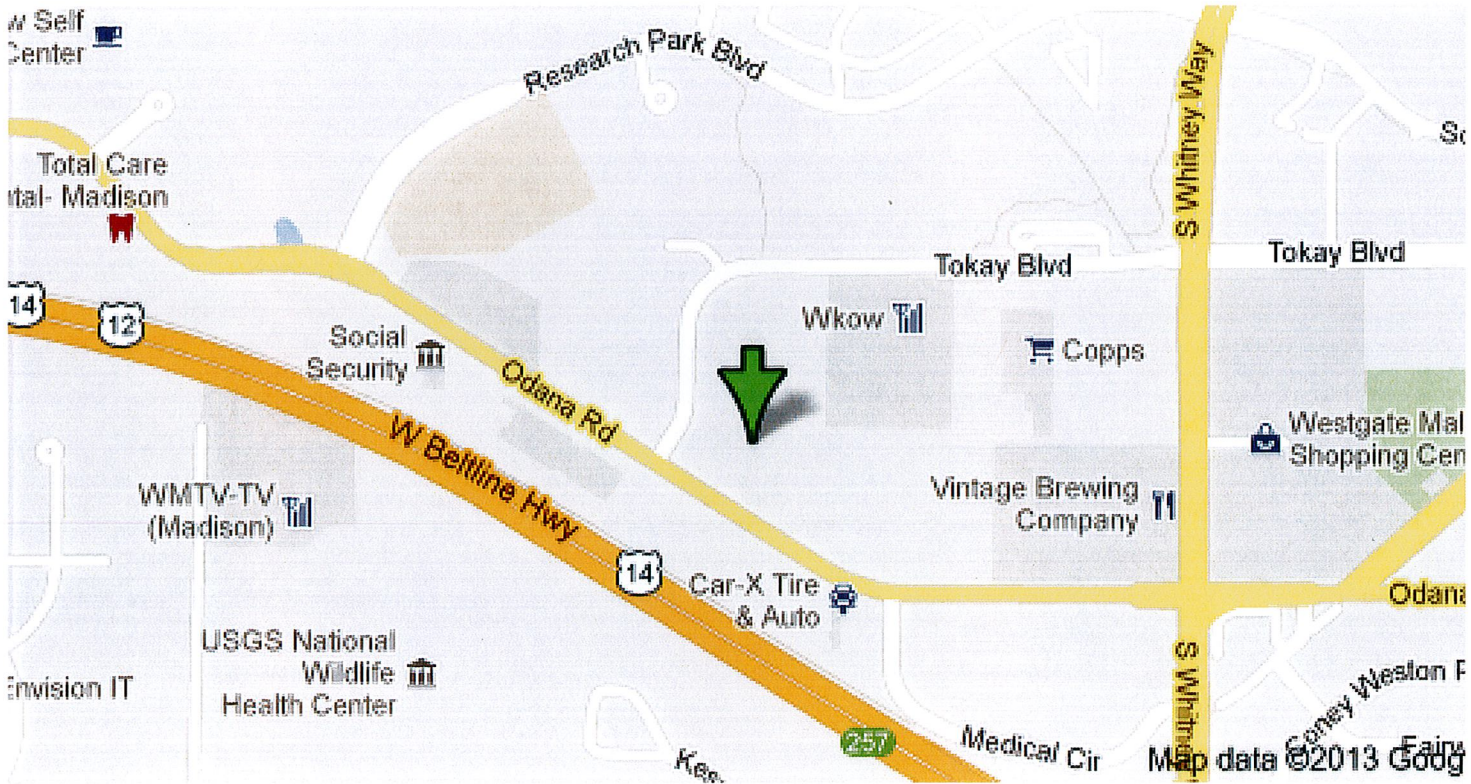
If you should require additional information, please contact me at 257-2289.

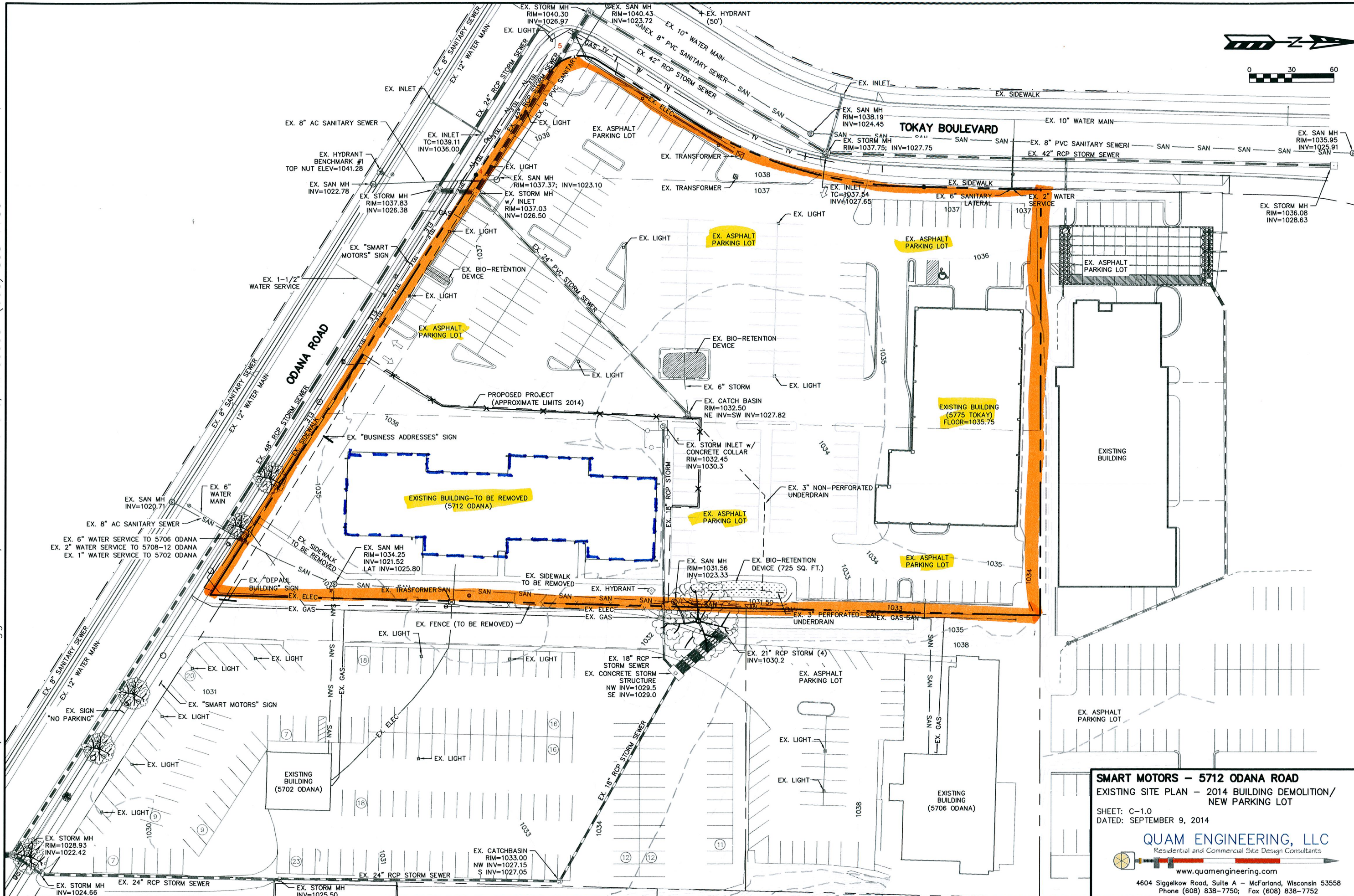
Sincerely,  
**Sullivan designBUILD**

A handwritten signature in blue ink that reads 'Jim Triatik'. The signature is fluid and cursive, written over a white background.

James M. Triatik, A.I.A.  
Vice President / Project Architect

**Locator Map for Smart Motors – 5712 Odana Road – building demolition**





**SMART MOTORS - 5712 ODANA ROAD**  
 EXISTING SITE PLAN - 2014 BUILDING DEMOLITION/  
 NEW PARKING LOT

SHEET: C-1.0  
 DATED: SEPTEMBER 9, 2014

**QUAM ENGINEERING, LLC**  
 Residential and Commercial Site Design Consultants  
[www.quamengineering.com](http://www.quamengineering.com)  
 4604 Siggelkow Road, Suite A - McFarland, Wisconsin 53558  
 Phone (608) 838-7750; Fax (608) 838-7752

**LEGAL DESCRIPTION**

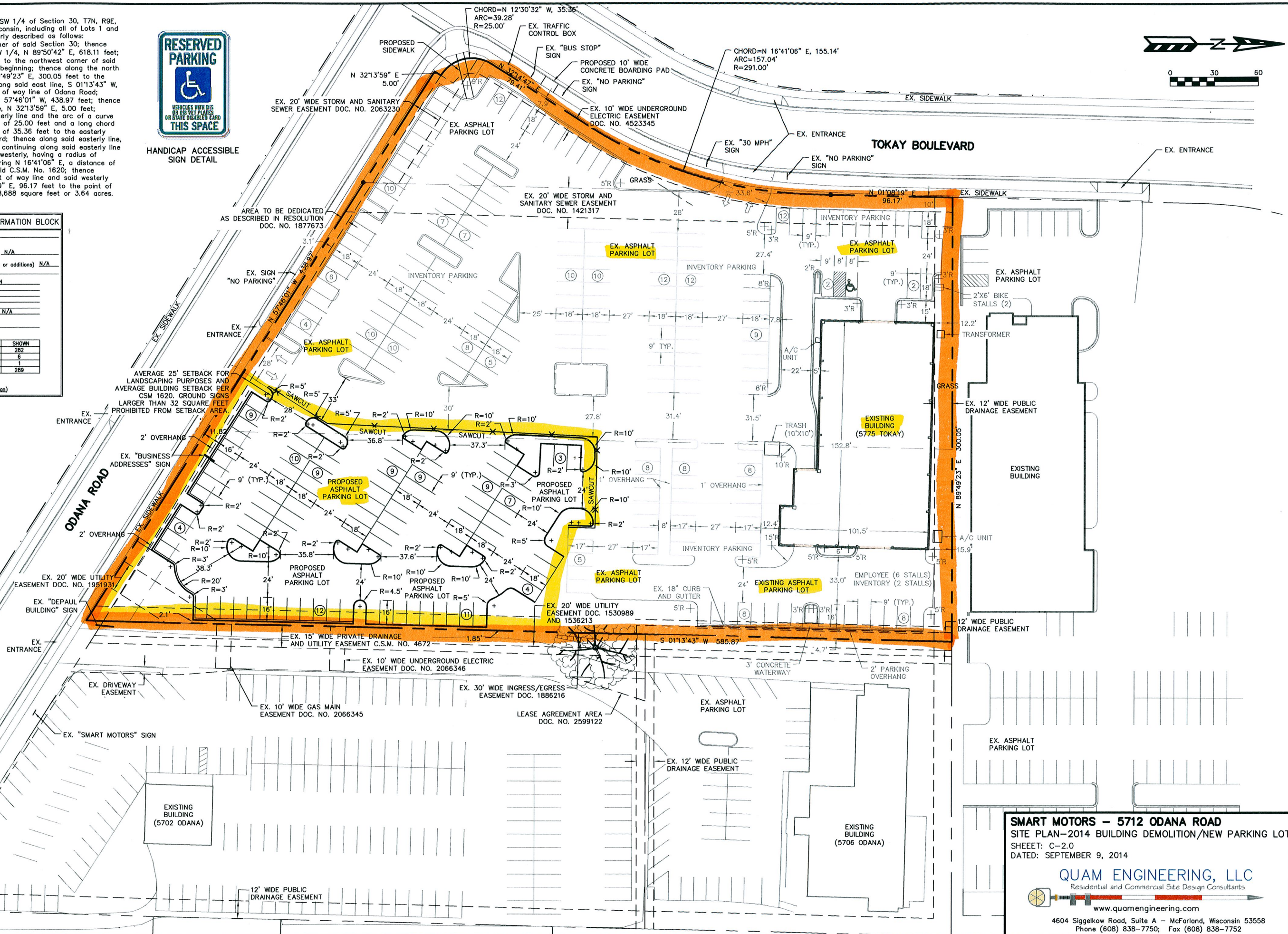
Being part of the NW 1/4 of the SW 1/4 of Section 30, T7N, R9E, City of Madison, Dane County, Wisconsin, including all of Lots 1 and 2, C.S.M. No. 1620, more particularly described as follows: Commencing at the West 1/4 corner of said Section 30; thence along the northerly line of said SW 1/4, N 89°50'42" E, 618.11 feet; thence S 01°08'19" W, 450.38 feet to the northwest corner of said C.S.M. No. 1620 and the point of beginning; thence along the north line of said C.S.M. No. 1620, N 89°49'23" E, 300.05 feet to the east line of said Lot 2; thence along said east line, S 01°13'43" W, 585.87 feet to the northerly right of way line of Odana Road; thence along said northerly line, N 57°46'01" W, 438.97 feet; thence continuing along said northerly line, N 32°13'59" E, 5.00 feet; thence continuing along said northerly line and the arc of a curve concave easterly, having a radius of 25.00 feet and a long chord bearing N 12°30'32" W, a distance of 35.36 feet to the easterly right of way line of Tokay Boulevard; thence along said easterly line, N 32°14'47" E, 79.41 feet; thence continuing along said easterly line and the arc of a curve concave westerly, having a radius of 291.00 feet and a long chord bearing N 16°41'06" E, a distance of 155.14 feet to the west line of said C.S.M. No. 1620; thence continuing along said easterly right of way line and said westerly line of C.S.M. No. 1620, N 01°08'19" E, 96.17 feet to the point of beginning. This parcel contains 158,688 square feet or 3.64 acres.



HANDICAP ACCESSIBLE SIGN DETAIL

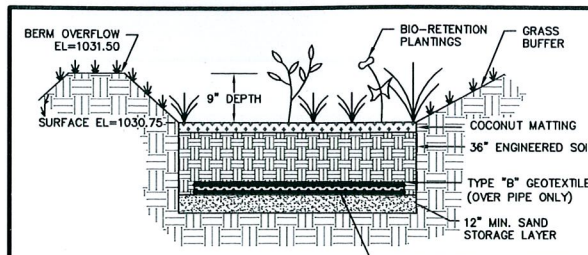
**PARKING LOT PLAN SITE INFORMATION BLOCK**

Site Address	5712 ODANA ROAD
Site acreage (total)	3.64 ACRES
Number of building stories (above grade)	N/A
Building height	N/A
DLIR type of construction (new structures or additions)	N/A
Total square footage of building	N/A
Use of property	AUTOMOBILE PREPARATION
Gross square feet of office	N/A
Gross square feet of retail area	N/A
Number of employees in warehouse	N/A
Number of employees in production	N/A
Capacity of restaurant/piece of assembly	N/A
Number of bicycle stalls shown	2
Number of Parking stalls:	
Inventory	282
Employee	6
Accessible	1
Total	289
Number of trees shown	(See Landscape Plan)



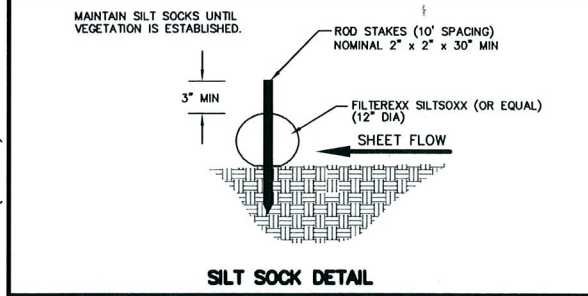
**SMART MOTORS - 5712 ODANA ROAD**  
 SITE PLAN-2014 BUILDING DEMOLITION/NEW PARKING LOT  
 SHEET: C-2.0  
 DATED: SEPTEMBER 9, 2014

**QUAM ENGINEERING, LLC**  
 Residential and Commercial Site Design Consultants  
 www.quamengineering.com  
 4604 Siggelkow Road, Suite A - McFarland, Wisconsin 53558  
 Phone (608) 838-7750; Fax (608) 838-7752

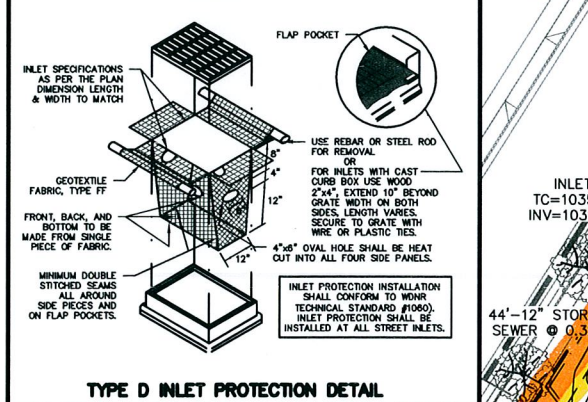


ENGINEERED SOIL SHALL CONSIST OF THE FOLLOWING:  
 70% SILICA SAND; 30% COMPOST W/ PH 5.5-6.5  
 COMPOST SHALL MEET MWMR SPECIFICATION S100.  
 STORAGE/INTERFACE LAYER SHALL CONSIST OF SAND AS FOLLOWS:  
 SAND: WASHED QUARTZ OR SILICA 0.02 - 0.04 INCHES IN DIA.  
 BIORETENTION PLANTINGS TO BE PLANTED AT ONE PLUG PER SQUARE FOOT. PLUGS TO BE PLANT STOCK NAMED IN THE NET PRAIRIE SHORT STATURE MIX FROM AGRECO, CORPORATION OR APPROVED EQUIVALENT. A MINIMUM OF 10 DIFFERENT PLANT STOCK NAMES TO BE PLANTED.  
 TO PREVENT COMPACTION OF ENGINEERED SOIL AND SUBSOILS, CONTRACTOR SHALL PROTECT AGAINST MACHINERY ENTERING OR COMPACTING THE BIO-RETENTION AREA.

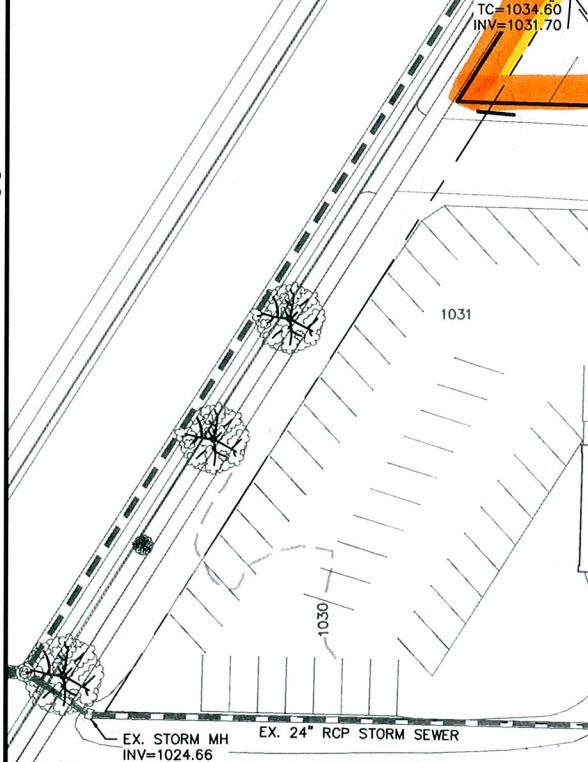
**BIORETENTION DETAIL**



**SILT SOCK DETAIL**



**TYPE D INLET PROTECTION DETAIL**



**ROCK CHECK DAM DETAIL**

**EROSION NOTES:**  
 SEDIMENT REACHING THE PUBLIC ROAD SHALL BE REMOVED BY STREET CLEANING (NOT HYDRAULIC FLUSHING) BEFORE THE END OF EACH WORKDAY.  
 EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO GRADING OPERATIONS AND SHALL BE PROPERLY MAINTAINED FOR MAXIMUM EFFECTIVENESS UNTIL VEGETATION IS ESTABLISHED.  
 CUT AND FILL SLOPES SHALL BE NO GREATER THAN 3:1.  
 ADDITIONAL EROSION CONTROL MEASURES WILL BE INSTALLED AS NEEDED.

**TIME SCHEDULE:**  
 OCTOBER 20, 2014 INSTALL INITIAL EROSION CONTROL DEVICES.  
 OCTOBER 20, 2014 - JUNE 30, 2015 DEMOLISH EXISTING BUILDING, CONSTRUCT PARKING LOT IMPROVEMENTS AND RESTORE DISTURBED AREAS.  
 AUGUST 15 - 30, 2015 CONSTRUCT BIO-RETENTION EXPANSION.

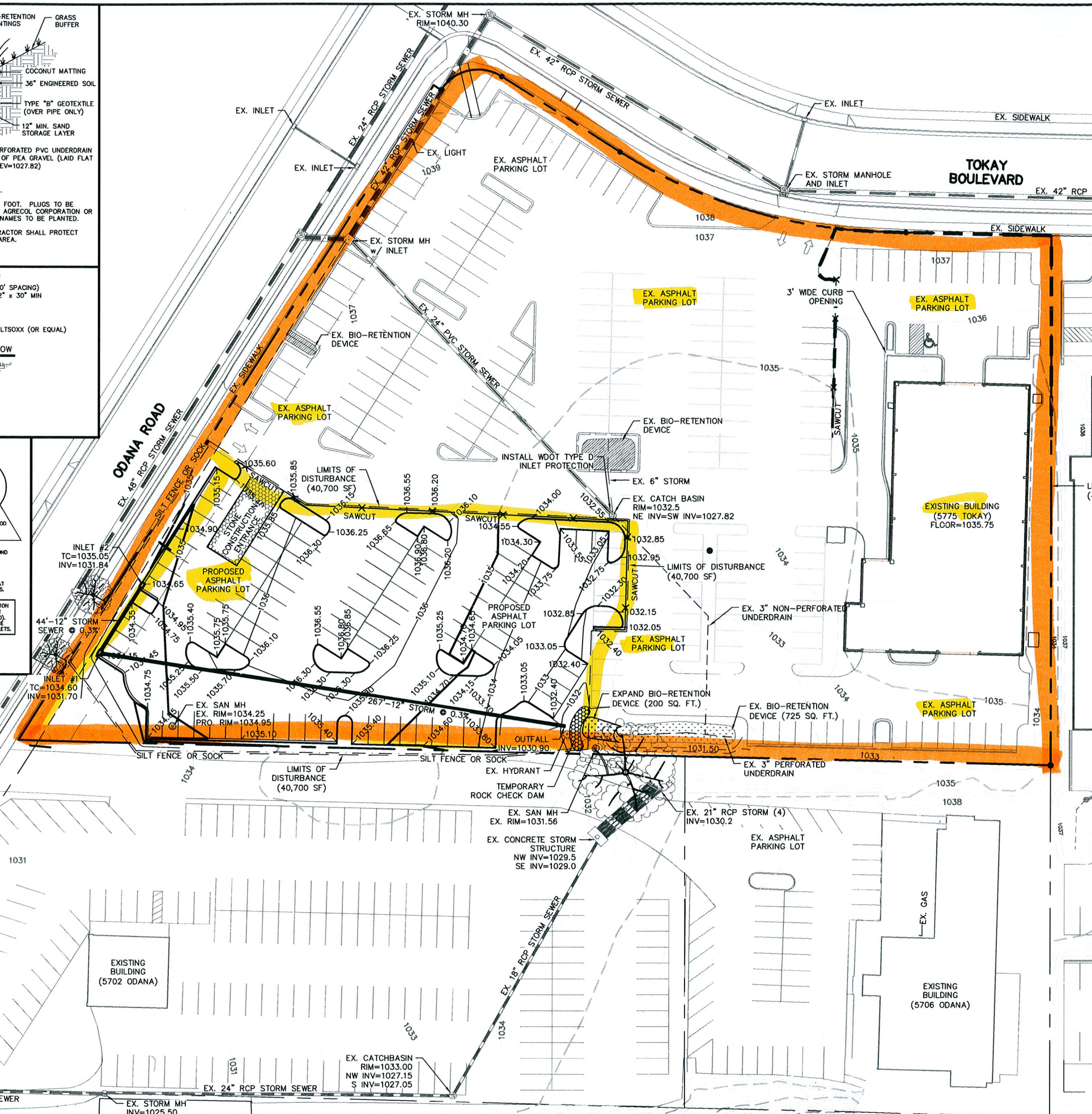
**RESTORATION NOTES:**  
 ALL LAWN AREAS SHALL RECEIVE A MINIMUM OF FOUR (4) INCHES OF TOPSOIL, FERTILIZER, SEED AND MULCH. RESTORATION WILL OCCUR AS SOON AFTER THE DISTURBANCE AS PRACTICAL. SEED MIXTURE 40 SHALL BE USED ON ALL AREAS. MIXTURES SHALL BE IN ACCORDANCE WITH SECTION 630 OF D.O.T. SPECIFICATIONS. AN EQUAL AMOUNT OF ANNUAL RYEGRASS SHALL BE ADDED TO THE MIX.  
 SEED MIXTURES SHALL BE APPLIED AT THE RATE OF FOUR (4) POUNDS PER 1,000 SQUARE FEET. FERTILIZER SHALL BE APPLIED AT THE RATE OF FOUR (4) POUNDS PER 1,000 SQUARE FEET.  
 FERTILIZER SHALL MEET THE MINIMUM REQUIREMENTS THAT FOLLOW: NITROGEN, NOT LESS THAN 16%; PHOSPHORIC ACID, NOT LESS THAN 8%; POTASH, NOT LESS THAN 8%.

**OWNER:**  
 SMART MOTORS  
 ATTN: ALLEN FOSTER  
 5901 ODANA ROAD  
 MADISON, WI 53719

**ENGINEER:**  
 QUAM ENGINEERING, LLC  
 ATTN: RYAN QUAM  
 4604 SIGGELKOW ROAD, SUITE A  
 MCFARLAND, WI 53558

**SMART MOTORS - 5712 ODANA ROAD**  
 GRADING AND EROSION CONTROL PLAN  
 2014 BUILDING DEMOLITION / NEW PARKING LOT  
 SHEET: C-2.1  
 DATED: SEPTEMBER 9, 2014

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TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN  
**CALL DIGGERS HOTLINE 1-800-242-8511 TOLL FREE**  
 TDD (FOR THE HEARING IMPAIRED) (800) 542-2289  
 WS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

**PLANT MATERIAL LIST**

Qty	Code	Common Name	Botanical Name	Planting Size
3	SGM	Sienna Glen Maple	Acer x freemanii 'Sienna'	2-2.5' B&B
5	WSBC	Whitespire Birch clip	Betula platyphylla 'Whitespire' CLP	8-10' B&B
1	CHB	Common Hackberry	Celtis occidentalis	2-2.5' B&B
5	SKH	Skyline Honeylocust	Gleditsia triacanthos 'Skyline'	2-2.5' B&B
1	PRC	Prairie Rose Crabapple	Malus x 'Prairie Rose'	1.75-2' B&B
1	ISTLC	Ivory Silk Tree Lilac clip	Syringa reticulata 'Ivory Silk' clump	6-7' B&B
2	SSL	Sterling Silver Linden	Tilia tomentosa 'Sterling Silver'	2-2.5' B&B
<b>Conifers</b>				
Qty	Code	Common Name	Botanical Name	Planting Size
1	MBJ	Mountain Juniper	Juniperus chinensis 'Mountain'	5-6' B&B
6	CAJ	Compact Arcadia Juniper	Juniperus sabina 'Arcadia Compact'	#5 CONT.
1	CBS	Colorado Blue Spruce	Picea pungens 'Glauca'	3-4' B&B
1	EWP	Eastern White Pine	Pinus strobus	5-6' B&B
11	TTY	Taunton Yew	Taxus x media 'Tauntoni'	18-24' B&B
14	HMA	Hetz Midget Arborvitae	Thuja occidentalis 'Hetz Midget'	#2 CONT.
4	HSA	Holmstrup Arborvitae	Thuja occidentalis 'Holmstrup'	4-5' B&B
21	PMA	Pyramidal Arborvitae	Thuja occidentalis 'Pyramidal'	4-5' B&B
<b>Shrubs</b>				
Qty	Code	Common Name	Botanical Name	Planting Size
17	CPB	Crimson Pygmy Barberry	Berberis thunb. v. atrop. 'Crimson Pygmy'	#3 CONT.
7	DNB	Diablo Ninebark	Physocarpus opulifolius 'Diablo'	18" Pot
16	GLS	Grow-Low Sumac	Rhus aromatica 'Grow-Low'	#2 CONT.
38	GMS	Goldmound Spirea	Spiraea japonica 'Goldmound'	#2 CONT.
3	DRS	Dart's Red Spirea	Spiraea x bumalda 'Dart's Red'	#2 CONT.
55	MCS	Magic Carpet Spirea	Spiraea japonica 'Magic Carpet'	#2 CONT.
11	MKL	Miss Kim Lilac	Syringa velutina 'Miss Kim'	18-24" Pot
7	BMV	Blue Muffin Viburnum	Viburnum dentatum 'Blue Muffin'	2-3' Pot
<b>Perennials</b>				
Qty	Code	Common Name	Botanical Name	Planting Size
38	KFRG	Karl Foersters Reed Grass	Calamagrostis acutiflora 'Karl Foerster'	#1 CONT.
20	PMD	Pardon Me Daylily	Hemerocallis 'Pardon Me'	#1 CONT.
5	HMSG	Heavy Metal Switch Grass	Panicum virgatum 'Heavy Metal'	#1 CONT.

- Notes:**
- Planting beds along building shall be mulched with 3/4" Washed Stone mulch over a fabric weed barrier.
  - All planting beds adjacent to lawn areas shall be edged with Dmex Black Vinyl Edging.
  - Planting beds and bed islands away from building foundation shall be mulched with 3/4" Washed Stone mulch to 3" depth over fabric weed barrier.
  - All trees and shrubs in lawn areas are to be mulched with a 3' dia shredded bark mulch ring.
  - Lawn areas to be seeded with Barnes Best Premium sunny lawn seed, straw mulched and starter fertilizer applied with erosion control straw matting applied where needed.
  - Bioswale Infiltration Area - follow DNR guidelines. Mulch with coconut fiber matting.

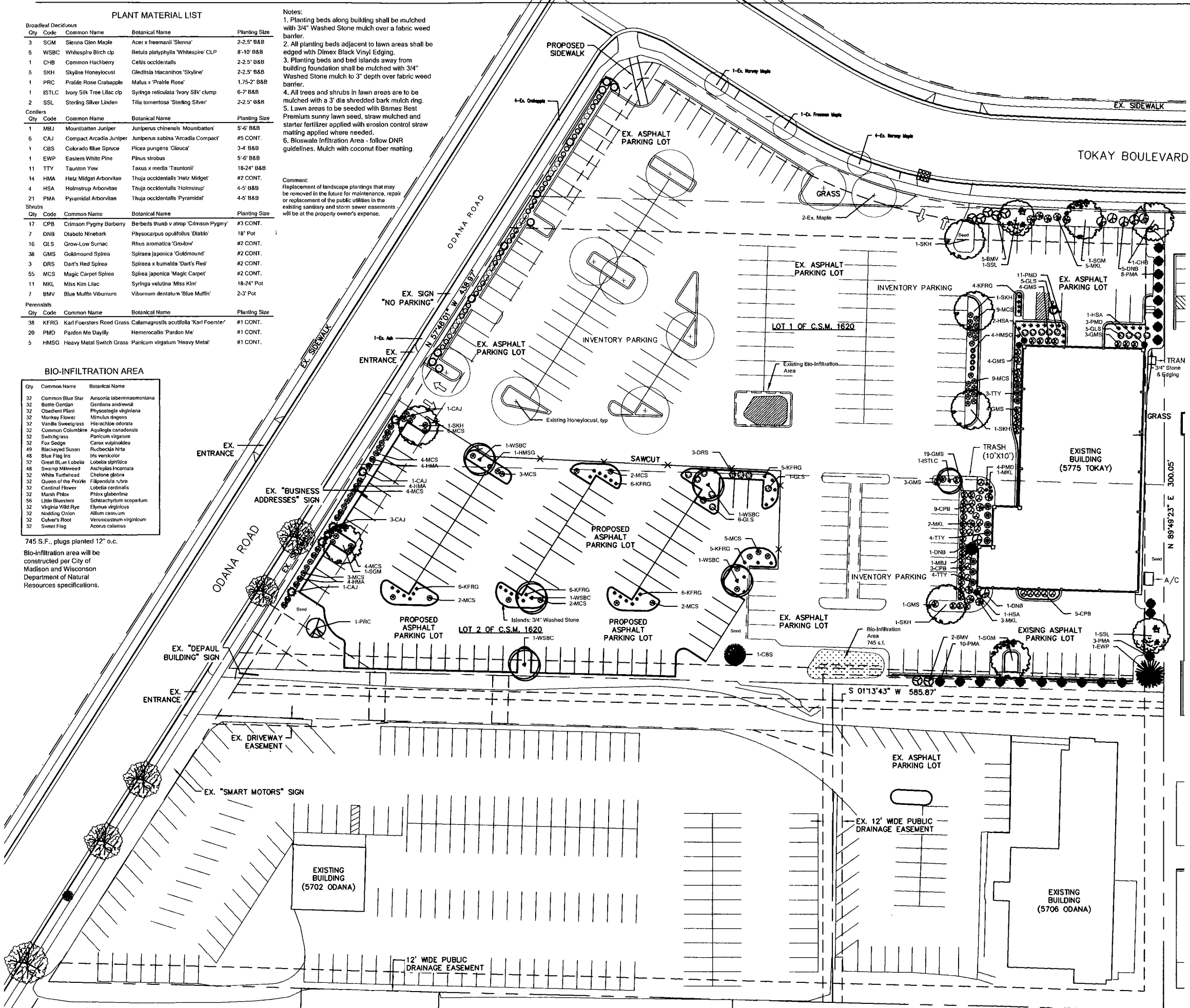
**Comment:**  
Replacement of landscape plantings that may be removed in the future for maintenance, repair or replacement of the public utilities in the existing sanitary and storm sewer easements will be at the property owner's expense.

**BIO-INFILTRATION AREA**

Qty	Common Name	Botanical Name
32	Common Blue Star	Amsinonía tabernaemontana
32	Bottle Gerdian	Gentiana andrewsii
32	Obedient Plant	Physostegia virginiana
32	Monkey Flower	Mimulus ringens
32	Vanilla Sweetgrass	Hieracium odorata
32	Common Columbine	Aquilegia canadensis
32	Switchgrass	Panicum virgatum
32	Fox Sedge	Carex vulpinoidea
49	Black-eyed Susan	Rudbeckia hirta
48	Blue Flag Iris	Iris versicolor
32	Great Blue Lobelia	Lobelia siphilitica
48	Swamp Milkweed	Asclepias incarnata
32	White Turtlehead	Chelone glabra
32	Queen of the Prairie	Filipendula rubra
32	Cardinal Flower	Lobelia cardinalis
32	Marsh Phlox	Phlox glaberrima
32	Little Bluestem	Schizachyrium scoparium
32	Virginia Wild Rye	Elymus virginicus
32	Nodding Onion	Allium cernuum
32	Culver's Root	Veronicastrum virginicum
32	Sweet Flag	Azoreus calisius

745 S.F., plugs planted 12" o.c.

Bio-infiltration area will be constructed per City of Madison and Wisconsin Department of Natural Resources specifications.



**City of Madison - Landscape Worksheet**  
Project Location/Address: 5714 Odana Road-5775 Tokay Blvd, Madison, WI  
Name of Project: Smart Motors Used Car Prep  
Owner/Contact: Contact Email:  
Contact Phone: Contact Email:

**Landscape Calculations and Credits:**  
Required Landscaped areas shall be calculated based on the total developed area of the property. Developed area is defined as all parts of the site that are not left in a natural state within a single contiguous boundary, including building footprints, parking and loading areas, driveways, material stockpiles, patios and outdoor activity areas. Developed area does not include other land within required setbacks and natural areas on the same property that are left undisturbed.

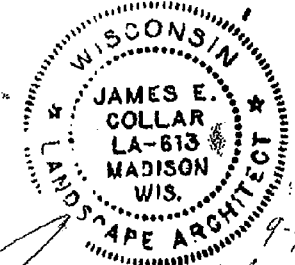
(a) One (1) landscape unit shall be provided for each three hundred (300) square feet of developed area, with the exception of the IL and IG districts as specified in (b) below.  
Total square footage of developed area: 17,174  
Developed area divided by three hundred (300) square feet = 57.25 Landscape Units

(b) Within the Industrial - Limited (IL) and Industrial - General (IG) districts, one (1) landscape unit shall be provided for every six hundred (600) square feet of developed area.  
Total square footage of developed area: 158,707 S.F.  
Developed area divided by six hundred (600) square feet = 264.51 Landscape Units

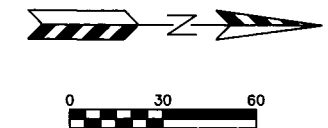
(c) One landscape unit consists of five (5) landscape points. Landscape points are calculated as shown in the following table.  
Landscape units multiplied by five (5) landscape points = 1,365 Total Points Required

**Table of Points and Credits:**  
Use the table to calculate the quantity and points for all existing and proposed landscape elements. Calculations yielding a fraction up to one-half (1/2) or 0.5 shall be rounded down to the nearest whole number. Fractions of more than one-half (1/2) shall be rounded up.

Plant Type/Element	Minimum Size at Installation	Points	Credits/Existing Landscaping		New/Proposed Landscaping	
			Quantity	Points Achieved	Quantity	Points Achieved
Overstory deciduous tree	2-1/2 inch caliper	35	14	490	11	385
Ornamental tree	1-1/2 inch caliper	15	0	0	7	105
Evergreen tree	3 feet tall	15	0	0	28	420
Shrub, deciduous	18" or 3 gallon container size	2	15	30	154	308
Shrub, evergreen	18" or 3 gallon container size	3	41	123	31	93
Ornamental grasses	18" or 3 gallon container size	2	0	0	43	86
Ornamental	discuss fencing or wall	na	4 per 10' total ft.	0	0	0
<b>Sub Totals</b>				<b>643</b>		<b>1,397</b>
			<b>Total Number of Points Provided: 2,040</b>			



*James E. Collar*



**LANDSCAPING PLAN - PHASE II**

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN  
**CALL DIGGERS HOTLINE**  
1-800-242-8011  
TOLL FREE  
TODAY FOR THE HEARING IMPAIRED: (800)542-2289  
WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

**Barnes inc.**  
Landscape Services  
6433 Nesbitt Road  
Madison, WI 53719  
Ph: 608.845.3230 Ex: 608.845.6339  
www.barnesinc.net

Consultants:  
Client:

**Smart Motors - Used Car Prep**  
Odana Road and Tokay Blvd  
Madison, WI

Notes:  
This document is the property of Barnes Inc. and may not be distributed without the express consent of Barnes Inc.  
Approved for Construction by owner: \_\_\_\_\_ Date: 4/29/13  
Accepted by Barnes Inc.: \_\_\_\_\_ Date: 3/2/11/14  
Date: 4/29/13 3/2/11/14  
Revised: 1/6/27/13 4/9/9/14  
2/11/11/13  
Sheet: \_\_\_\_\_ Scale: 1" = 30'-0"  
**L-1.0**



LIGHTING FIXTURE SCHEDULE					
TYPE	MANUFACTURER	CATALOG NO.	DESCRIPTION	QUANTITY	LAMPS
OA	LSI	XG83-FT-LED-176-450 CW-UE-WHT	TWIN FORWARD THROW WITH FLAT GLASS LENS 20' ROUND STEEL POLE ON 2' CONCRETE BASE ARROW INDICATES DIRECTION OF ROTATED OPTIC	3	21,600 LM LED
OB	LSI	XG83-FT-LED-176-450 CW-UE-WHT	TWIN FORWARD THROW WITH FLAT GLASS LENS 28' ROUND STEEL POLE ON 2' CONCRETE BASE ARROW INDICATES DIRECTION OF ROTATED OPTIC	4	21,600 LM LED
OW	LSI	XG83-FT-LED-128-450 CW-UE-WHT	WALL MTD FORWARD THROW WITH FLAT GLASS LENS MOUNTED 16 FEET ABOVE FINISHED GRADE	0	15,300 LM LED

- NOTES
- ARROWS INDICATE ROTATION OF OPTICS WITHIN THE FIXTURE HOUSING.
  - ALL POLE MOUNTED FIXTURES SHALL HAVE FULL CUT-OFF OPTICS WITH FLAT GLASS LENSES.

POINT BY POINT CALCULATION SUMMARY				
AREA NAME	AREA DESCRIPTION	AVERAGE	MAXIMUM	MINIMUM
SALES LOT +	PARKING LOT FOR VEHICLE SALES HORIZONTAL CALCULATION ON PAVEMENT VALUES LISTED ARE MAINTAINED FOOTCANDLES	4.89	37.0	0.0

POINTS INDICATED WITH # AND GRAY ARE SHOWN FOR REFERENCE ONLY AND ARE NOT INCLUDED IN THE CALCULATION ABOVE.

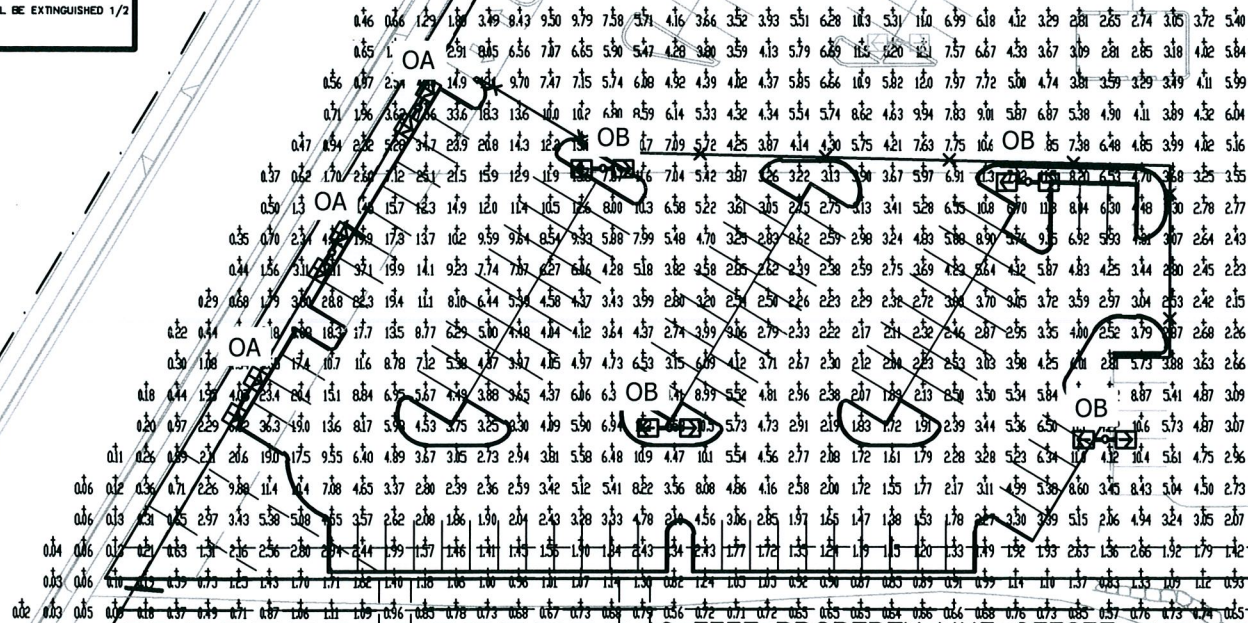
**DESIGN CRITERIA**

THIS ENTIRE LOT QUALIFIES AS AN OUTDOOR MERCHANDISING AREA ACCORDING TO MADISON CITY ORDINANCE 10.085

"10.085(4)(4) FOR AN OUTDOOR MERCHANDISING AREA, THE MAXIMUM INITIAL ILLUMINATION LEVEL IN 75% OF THE LOT SHALL NOT EXCEED 20 FOOTCANDLES. A CONTIGUOUS AREA NOT TO EXCEED 25% OF THE LOT MAY BE ILLUMINATED TO A LEVEL WHICH SHALL NOT EXCEED 40 FOOTCANDLES."


ALL LIGHTING FIXTURES INSTALLED SHALL UTILIZE CLEAR FLAT LENSES WITH FULL CUT-OFF OR SHIELDED OUTPUT.

AT LEAST 50% OF THE LIGHTING FIXTURES SHALL BE EXTINGUISHED 1/2 HR PAST THE CLOSING OF THE FACILITY.



REVISED:

**Electric Construction inc**  
Electrical Design, Contracting & Consulting

 2861 Index Road  
Madison WI 53713  
(608) 271-2046  
(608) 271-0160 FAX  
www.ecdesign.com

SMART MOTORS - USED CAR BUILDING  
LIGHTING PLAN - PHASE 2  
PAGE: 1 OF 1  
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# LED AREA LIGHTS - (XGB3) 128



Shown with optional decal striping

**lighting facts**  
A Program of the U.S. DOE

Light Output (Lumens)	15348
Watts	190
Lumens per Watt (Efficacy)	81
Color Accuracy Color Rendering Index (CRI)	76

Light Color  
Correlated Color Temperature (CCT): 5655 (Daylight)

2700K 3000K 4500K Daylight 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: KGGN-WY6XYS (11/23/2011)  
Model Number: XGB3-FT-LED-128-450-CW-UE  
Type: Outdoor area/roadway fixture

LIGHT OUTPUT - XGB3 128						
	# of LEDs	Lumens (Nominal)				
		Type 3	Type 5	Type FT	Type FTA	
Cool White	350 mA	128	12369	10500	12700	12700
Cool White	450 mA	128	14801	12600	15300	15600
Neutral White	350 mA	128	11668	10100	11800	13342
Neutral White	450 mA	128	13835	12700	13700	15700

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.



US patent D574994 & 7,828,456 and MX patent 29631 and US & Int'l. patents pending

**SMARTTEC™ THERMAL CONTROL** - Sensors in both optical unit and driver enclosure reduce drive current when ambient temperatures exceed 50°C. Current is lowered in imperceptible 5% increments every 5 minutes until safe operating temperature is reached.

**OCCUPANCY SENSING (IMS)** - Optional integral passive infrared motion sensor activates switching of luminaire light levels. High level light is activated and increased to full bright in 1-2 seconds upon detection of motion. Low light level (30% maximum drive current) is activated when target zone is absent of motion activity for ~2 minutes and ramps down (10-15 seconds) to low level to allow eyes time to adjust. Sensor is located on the front of optical assembly and rotates with the optic. Sensor optic has a detection cone of approximately 45°. Examples of detection - occurs 30' out from a 30' mounting height pole; occurs 20' out from a 20' mounting height pole.

**ENERGY SAVING CONTROL OPTIONS** - DIM - 0-10 volt dimming enabled with controls by others. BLS - Bi-level switching responds to external line voltage signal from separate 120-277V controller or sensor (by others), with low light level decreased to 30% maximum drive current.

**EXPECTED LIFE** - Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.

**LEDS** - Select high-brightness LEDs in Cool White (5250°K nominal) or Neutral White (4100°K nominal) color temperature, 70 CRI (nominal).

**DISTRIBUTION/PERFORMANCE** - Types 3, 5, FT and FTA available. Reflectors are field rotatable.

**HOUSING** - Square, die-formed aluminum. Fully enclosed weather-tight housing contains factory prewired drivers and field connections.

**TOP-ACCESS COVER** - Tethered top-access cover provides ease of installation and allows for easy driver access. Four captive stainless-steel fasteners secure the top-access cover to the housing.

**OPTICAL UNIT** - Clear tempered optical grade flat glass lens sealed to aluminum housing creates an IP67 rated, sealed optical unit (includes pressure stabilizing breather). Optical unit can be easily field rotated in 90° increments. Directional arrow on optics allows alignment without the unit being energized.

**MOUNTING** - 2-1/2" x 5-3/8" x 12" extruded aluminum arm mounting bracket shipped standard. Use with 5" traditional drilling pattern. Round Pole Plate (RPP2) required for mounting to 3"-5" round poles. (See Accessory Ordering Information chart.)

**ELECTRICAL** - Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Location Category C. Available with universal voltage power supply 120-277VAC (UE - 50/60Hz input), and 347-480VAC. Fixture Watts: 350 mA - 143, 450 mA - 188 nominal.

**DRIVER** - Available in 350mA and 450mA drive currents (Drive currents are factory programmed). Components are fully encased in potting material for IP65 moisture resistance. Driver complies with FCC 47 CFR part 15 RFI/EMI standard.

**OPERATING TEMPERATURE** - -40°C to +50°C (-40°F to +122°F).

**FINISH** - Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling, and is guaranteed for five full years.

**DECAL STRIPING** - LSI offers optional color-coordinated decals in 9 standard colors to accent the fixture. Decals are guaranteed for five years against peeling, cracking, or fading.

**WARRANTY** - LSI LED fixtures carry a limited 5-year warranty.

**PHOTOMETRICS** - Application layouts are available upon request. Contact LSI Applications Group at [lighting.apps@lsi-industries.com](mailto:lighting.apps@lsi-industries.com)

**SHIPPING WEIGHT (in carton)** - 32 lbs (14.5 kg) fixture; 5 lbs. (2kg) arm

**LISTING** - ETL listed to U.S. and Canadian safety standards. Suitable for wet locations.

# LED AREA LIGHTS - (XGB3) 128



## LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: XGB3 5 LED 128 350 CW UE WHT VCM ES

Prefix	Distribution	Light Source	# of LEDs	Drive Current	Color Temperature	Input Voltage	Finish	Optional Controls	Optional Sensor/Options
XGB3 <sup>1</sup> - LED Greenbriar	FT - Forward Throw FTA - Forward Throw Automotive 3 - Type III 5 - Type V	LED	128	350 - 350mA 450 - 450mA	CW - Cool White NW - Neutral White	UE - Universal Voltage (120-277)  347-480	BLK - Black BRZ - Bronze GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White	<b>Virtinet Wireless Network</b> (requires a Ventura controller/Malibu link) (blank) - None VCM - Standard (revenue grade) VCMB - Basic VCMH - Standard (Host) VCMBH - Basic (Host) DIM - 0-10 volt dimming (required for satellite fixtures)	<b>Sensor</b> ES <sup>2</sup> - External Sensor IMS <sup>4</sup> - Integral Motion Sensor PCI 120 - 120v Button-Type Photocell PCI 208 - 208v Button-Type Photocell PCI 240 - 240v Button-Type Photocell PCI 277 - 277v Button-Type Photocell PCI 347 - 347v Button-Type Photocell
							<b>Optional Color Decals</b> 45 - Light Gold 20 - Charcoal Metallic 55 - Black 94 - Blue Metallic 59 - Dark Green 51 - Dark Red 21 - Tomato Red 50 - White 700 - Aztec Silver Metallic	<b>Stand-Alone Control</b> (blank) - None DIM <sup>2</sup> - 0-10V Dimming (from external signal) BLS <sup>2</sup> - Bi-level Switching (from external signal - requires 120-277V controls system voltage)	<b>Options</b> 8BK - 8" Bracket (\$ and D180 only) TB - Terminal Block

## LUMINAIRE EPA CHART<sup>2</sup> - XGB3 128

	8" Bracket	12" Bracket
■	2.1	2.3
■ ■	4.3	4.6
■ ■ ■		4.1
■ ■ ■ ■	12" Bracket	6.7
■ ■ ■ ■ ■	Required	6.8
■ ■ ■ ■ ■ ■		8.2

Note: House Side Shield adds to fixture EPA. Consult Factory.

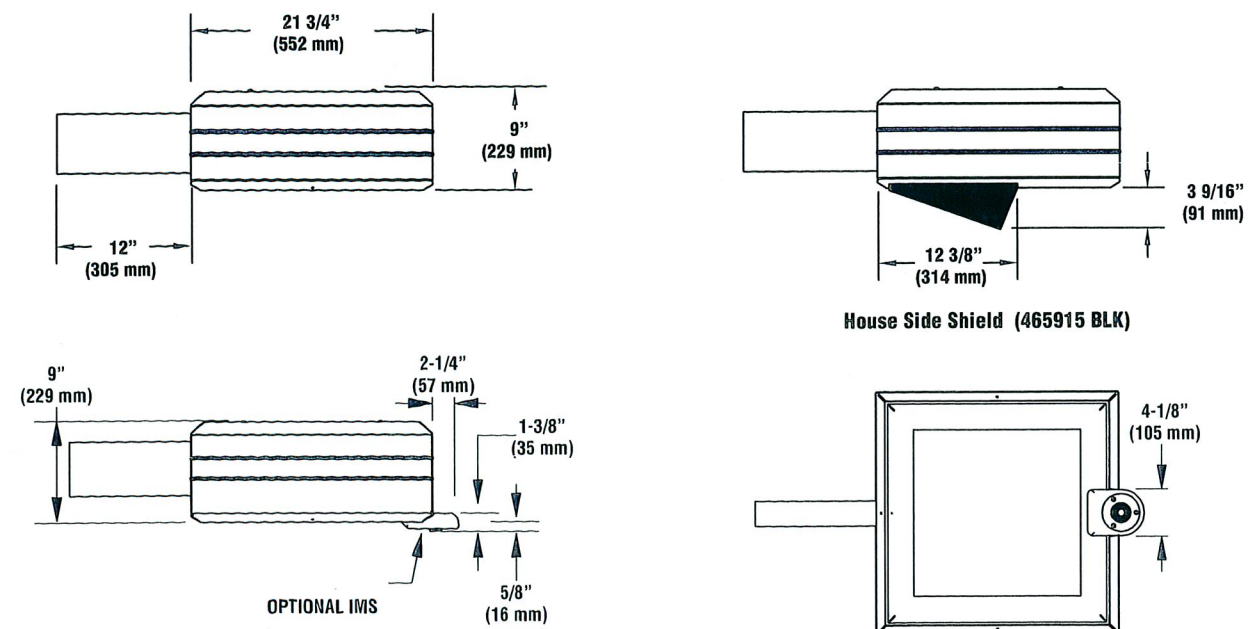
## ACCESSORY ORDERING INFORMATION

(Accessories are field installed)			
Description	Order Number	Description	Order Number
XGB3-128 - HSS - House Side Shield (Black only) <sup>5</sup>	465915 BLK	ROSB120 - WL Remote Box with 120V Occupancy Sensor	CF <sup>6</sup>
XGB3-128 - LSS - House Side Shield Left Side (Black only) <sup>5</sup>	465915 BLK	ROSB277 - WL Remote Box with 277V Occupancy Sensor	CF <sup>6</sup>
XGB3-128 - RSS - House Side Shield Right Side (Black only) <sup>5</sup>	465915 BLK	RPSB120 - Wet Location Remote Box with 120V External Photocell	CF <sup>6</sup>
RPP2 - Round Pole Plate	162914BLK	RPSB208-277 - Wet Location Remote Box with 208-277V External Photocell	CF <sup>6</sup>
BKS-BO-WM-* - CLR - Wall Mount Plate	123111CLR	PMOS120 - 120V Pole-Mount Occupancy Sensor	518030CLR <sup>7</sup>
BKA-BO-RA-8-CLR - Radius Arm	169010CLR	PMOS208/240 - 208, 240V Pole-Mount Occupancy Sensor	CF <sup>7</sup>
BKU-BO-S-19-CLR - Upsweep Bracket for round or square poles	144191CLR	PMOS277 - 277V Pole-Mount Occupancy Sensor	518029CLR <sup>7</sup>

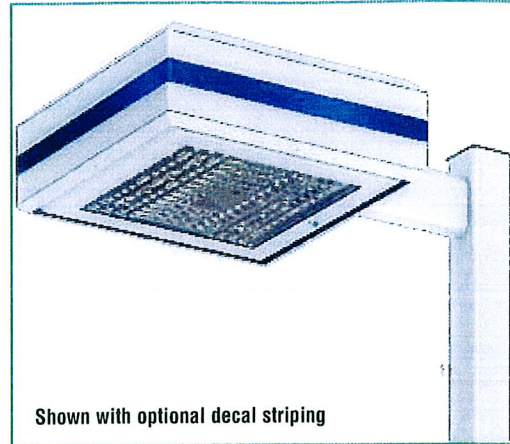
### FOOTNOTES:

- Use with 5" traditional drilling pattern
- IMS, DIM and BLS are not compatible.
- Do not specify for satellite units.
- Not compatible with Virtinet wireless systems, DIM or BLS.
- House Side Shield adds to fixture EPA. IMS Sensor not available with LSS & RSS. HSS must be mounted opposite of IMS. Consult factory.
- Includes VCM. To be used in conjunction with VCM option in fixture. Consult factory.
- To be used in conjunction with any of the VCM control modules and ES sensor option in fixture.

## DIMENSIONS



LED AREA LIGHTS - XGB3 176 LED



Shown with optional decal striping

**LED lighting facts**  
A Program of the U.S. DOE

Light Output (Lumens)	21617
Watts	255
Lumens per Watt (Efficacy)	85
Color Accuracy Color Rendering Index (CRI)	69

Light Color  
5087 (Daylight)

2700K 3000K 4500K 5000K 5500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: KSGN-PJDD05 (12/12/2011)  
Model Number: XGB3 FT LED 176 450 CW UE  
Type: Outdoor area/roadway fixture

**LIGHT OUTPUT - XGB3 128**

	# of LEDs	Lumens (Nominal)				
		Type 3	Type 5	Type FT	Type FTA	
Cool White	350 mA	176	17200	16600	18300	20600
	450 mA	176	20700	20000	21600	24900
Neutral White	350 mA	176	14600	14500	15800	18000
	450 mA	176	17600	17400	18900	21600

\*Preliminary Data

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.



US patent D574994 & 7,828,456 and MX patent 29631 and US & Int'l. patents pending

**SMARTTEC™ THERMAL CONTROL** - Sensors in both optical unit and driver enclosure reduce drive current when ambient temperatures exceed 50°C. Current is lowered in imperceptible 5% increments every 5 minutes until safe operating temperature is reached.

**EXPECTED LIFE** - Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.

**LEDS** - Select high-brightness LEDs in Cool White (5250°K nominal) or Neutral White (4100°K nominal) color temperature, 70 CRI (nominal).

**DISTRIBUTION/PERFORMANCE** - Types 3, 5, FT and FTA available. Reflectors are field rotatable. Exceptional uniformity with full cutoff creates bright environment at lower light levels.

**HOUSING** - Square, die-formed aluminum. Fully enclosed weather-tight housing contains factory prewired drivers and field connections.

**TOP-ACCESS COVER** - Tethered top-access cover provides ease of installation and allows for easy driver access. Four captive stainless-steel fasteners secure the top-access cover to the housing.

**OPTICAL UNIT** - Clear tempered optical grade flat glass lens sealed to aluminum housing creates an IP67 rated, sealed optical unit. Pressure stabilizing breather allows super-tight IP67 protection while preventing temperature cycling from building up internal pressures and vacuums that can stress optical unit seals and components.

**FIELD ROTATABLE OPTICS** - Optical unit can be easily field rotated in 90° increments. Directional arrow on optics allows alignment without the unit being energized.

**MOUNTING** - 2-1/2" x 5-3/8" x 12" extruded aluminum arm mounting bracket shipped standard. 8" bracket available for single or D180 configurations, but must be ordered from the Options column of ordering chart. Use with 5" traditional drilling pattern on LSI steel round, square and round tapered poles. Round Pole Plate (RPP2) required for mounting to 3"-5" round poles. (See Accessory Ordering Information chart.)

**ELECTRICAL** - Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Scenario 1, Location Category C. Available with universal voltage power supply 120-277VAC (UE - 50/60Hz input), and 347-480VAC. Optional button-type photocells (PCI) are available in 120, 208, 240, 277 or 347 volt (supply voltage must be specified). Fixture Watts: 350 mA - 195, 450 mA - 260 nominal.

**DRIVERS** - Available in 350mA and 450mA drive currents (Drive currents are factory programmed). Components are fully encased in potting material for IP65 moisture resistance. Driver complies with FCC 47 CFR part 15 RFI/EMI standard.

**OPERATING TEMPERATURE** - -40°C to +50°C (-40°F to +122°F).

**FINISH** - Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling, and is guaranteed for five full years. Standard colors include bronze, black, platinum plus, graphite, satin verde green, metallic silver and white. Meets requirements of ASTM B117 1000-hour salt fog and ASTM G155 1000-hour Xenon Arc UV tests (supersedes G53 UVB313).

**DECAL STRIPING** - LSI offers optional color-coordinated decals in 9 standard colors to accent the fixture. Decals are guaranteed for five years against peeling, cracking, or fading.

**WARRANTY** - LSI LED fixtures carry a limited 5-year warranty.

**PHOTOMETRICS** - Application layouts are available upon request. Contact LSI Applications Group at [lighting.apps@lsi-industries.com](mailto:lighting.apps@lsi-industries.com)

**SHIPPING WEIGHT (in carton)** - Fixture - 44.5 lbs (20 kg)  
Arm - 5 lbs. (2kg) arm

**LISTING** - ETL listed to U.S. and Canadian safety standards. Suitable for wet locations.

LED AREA LIGHTS - XGB3 176 LED

LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **XGB3 FTA LED 176 350 CW UE WHT PCI120 21**

Prefix	Distribution	Light Source	# of LEDs	Drive Current	Color Temperature	Input Voltage	Finish	Options
XGB3 - LED Greenbriar	FT - Forward Throw FTA - Forward Throw Automotive 3 - Type III 5 - Type V	LED	176	350 - 350mA 450 - 450mA	CW - Cool White NW - Neutral White	UE - Universal Voltage (120-277) 347-480	BLK - Black BRZ - Bronze GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White	8BK - 8" Bracket (S and D180 only) PCI 120 - 120v Button-Type Photocell PCI 208 - 208v Button-Type Photocell PCI 240 - 240v Button-Type Photocell PCI 277 - 277v Button-Type Photocell PCI 347 - 347v Button-Type Photocell TB - Terminal Block  Color Decals 45 - Light Gold 20 - Charcoal Metallic 55 - Black 94 - Blue Metallic 59 - Dark Green 51 - Dark Red 21 - Tomato Red 50 - White 700 - Aztec Silver Metallic

**LUMINAIRE EPA CHART<sup>2</sup> - XGB3 176 LED**

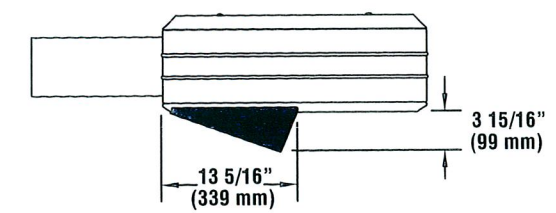
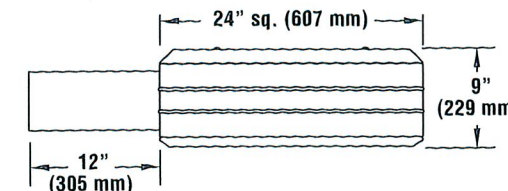
	8" Bracket	12" Bracket
Single	2.3	2.4
D180°	4.7	4.8
D90°	4.7	4.7
T90°	12" Bracket Required	7.2
TN120°	Required	7.3
Q90°		8.8

**ACCESSORY ORDERING INFORMATION** (Accessories are field installed)

Description	Order Number
XGB3-176 - HSS - House Side Shield (Black only) <sup>2</sup>	482002 BLK
XGB3-176 - LSS - House Side Shield Left Side (Black only) <sup>2</sup>	482002 BLK
XGB3-176 - RSS - House Side Shield Right Side (Black only) <sup>2</sup>	482002 BLK
RPP2 - Round Pole Plate	162914BLK
BKS-BO-WM-* - CLR - Wall Mount Plate	123111CLR
BKA-BO-RA-8-CLR - Radius Arm	169010CLR
BKU-BO-S-19-CLR - Upsweep Bracket for round or square poles	144191CLR

**NOTES:**  
1 - Use with 5" traditional drilling pattern  
2 - House Side Shield adds to fixture EPA. Consult factory.

DIMENSIONS



House Side Shield (482002BLK)



EXISTING BLDG. - 5712 ODANA ROAD  
TO BE DEMOLISHED