



URBAN DESIGN COMMISSION APPLICATION CITY OF MADISON

This form may also be completed online at:
<http://www.cityofmadison.com/planning/documents/UDApplication.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>JAN. 20, 2015</u>	<input type="checkbox"/> Informational Presentation
UDC Meeting Date: <u>JAN. 28, 2015</u>	<input type="checkbox"/> Initial Approval
Combined Schedule Plan Commission Date (if applicable): <u>N.A.</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 Campus District (EC)
- Planned Development (PD)
 - General Development Plan (GDP)
 - Specific Implementation Plan (SIP)
- Planned Multi-Use Site or Planned Residential Complex

AGENDA ITEM #	
LEGISTAR #	<u>35814</u>
ALD. DIST.	<u>19</u>

CITY OF MADISON

11:25 A.M.
JAN 20 2015

B. Signage:

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

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.

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

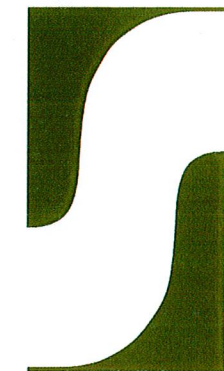
Date 1.20.15



SUBMITTAL TO:
CITY OF MADISON
URBAN DESIGN COMMISSION

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

SUBMITTED:
1/20/2015



Since 1937

Sullivan
designBUILD

TEL: 608.257.2289



January 20, 2015

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

Dear Commission Members,

UPDATE: This project was approved by the Plan Commission at the November 24th, 2014 meeting. We have agreed to increase the width of the landscape buffer and increased the amount of landscaping in the buffer. These plans reflect those changes based on comments from our last UDC meeting on November 19th, 2014.

Smart Motors continues to grow and needs to expand their current operations. Last fall we completed construction of a building that is 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 winter, 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.

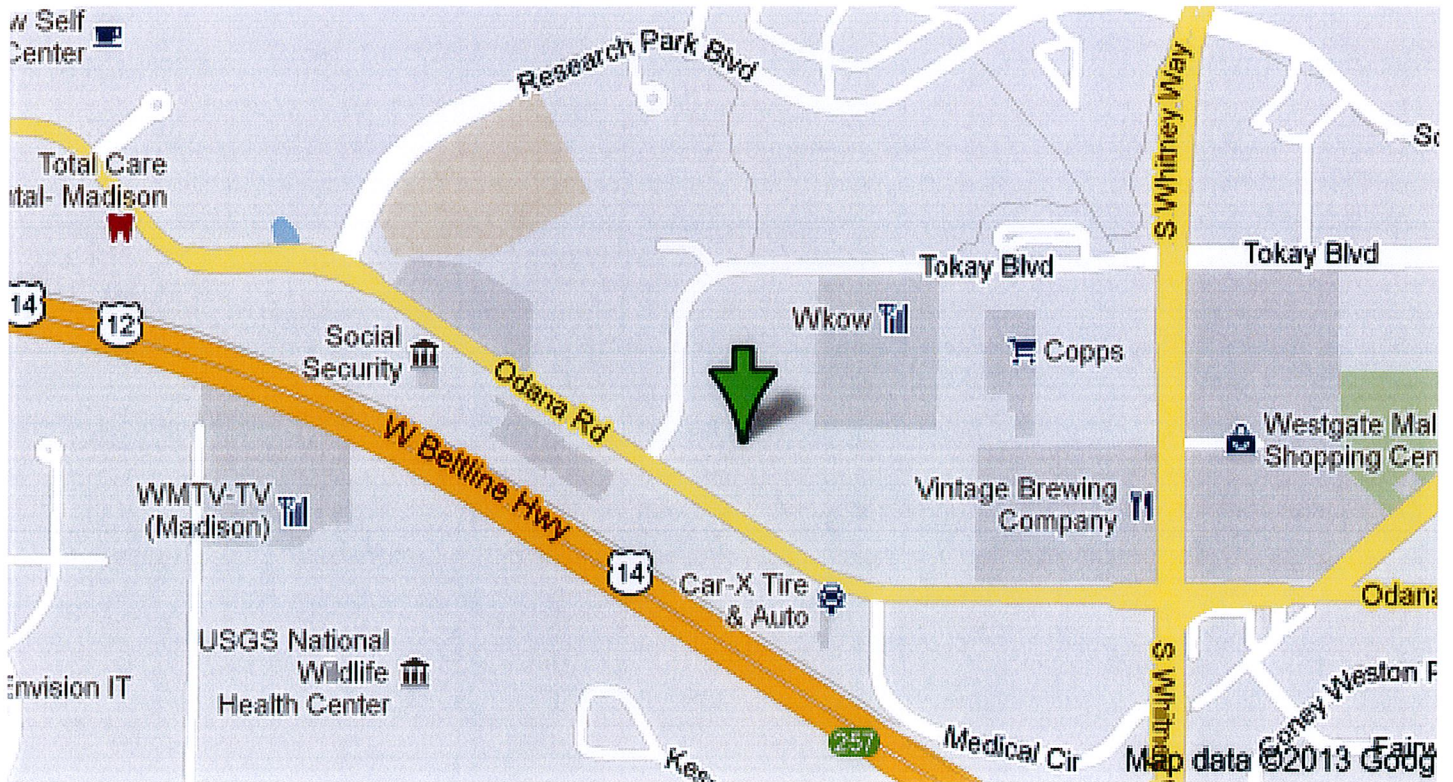
If you should require additional information, please contact me at 257-2289.

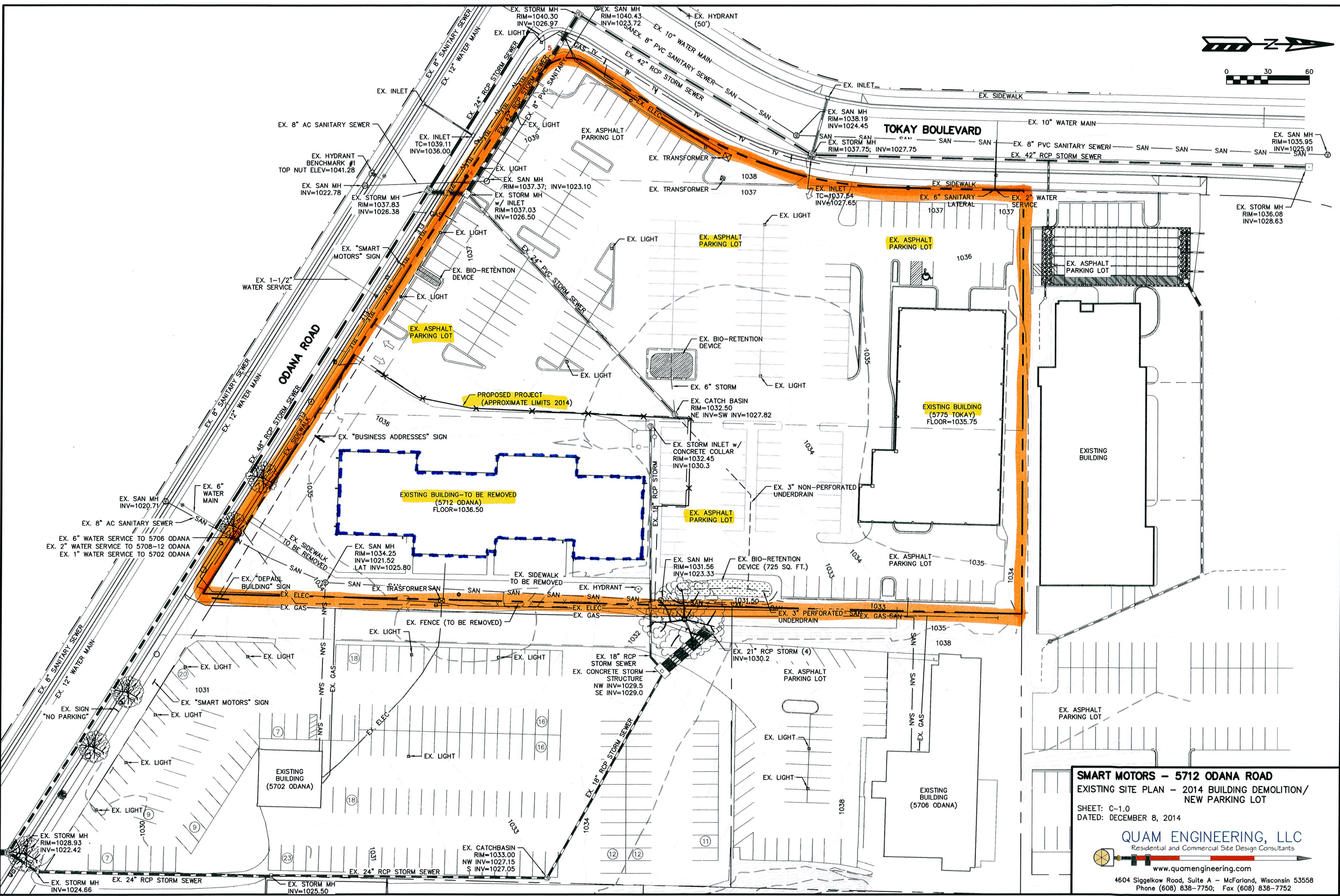
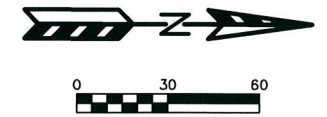
Sincerely,
Sullivan designBUILD

A handwritten signature in blue ink that reads 'Jim Triatik'.

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: DECEMBER 8, 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

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
 DLHR type of construction (new structures or additions) N/A
 Total square footage of building N/A

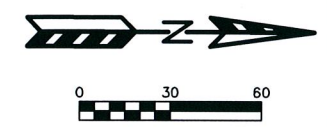
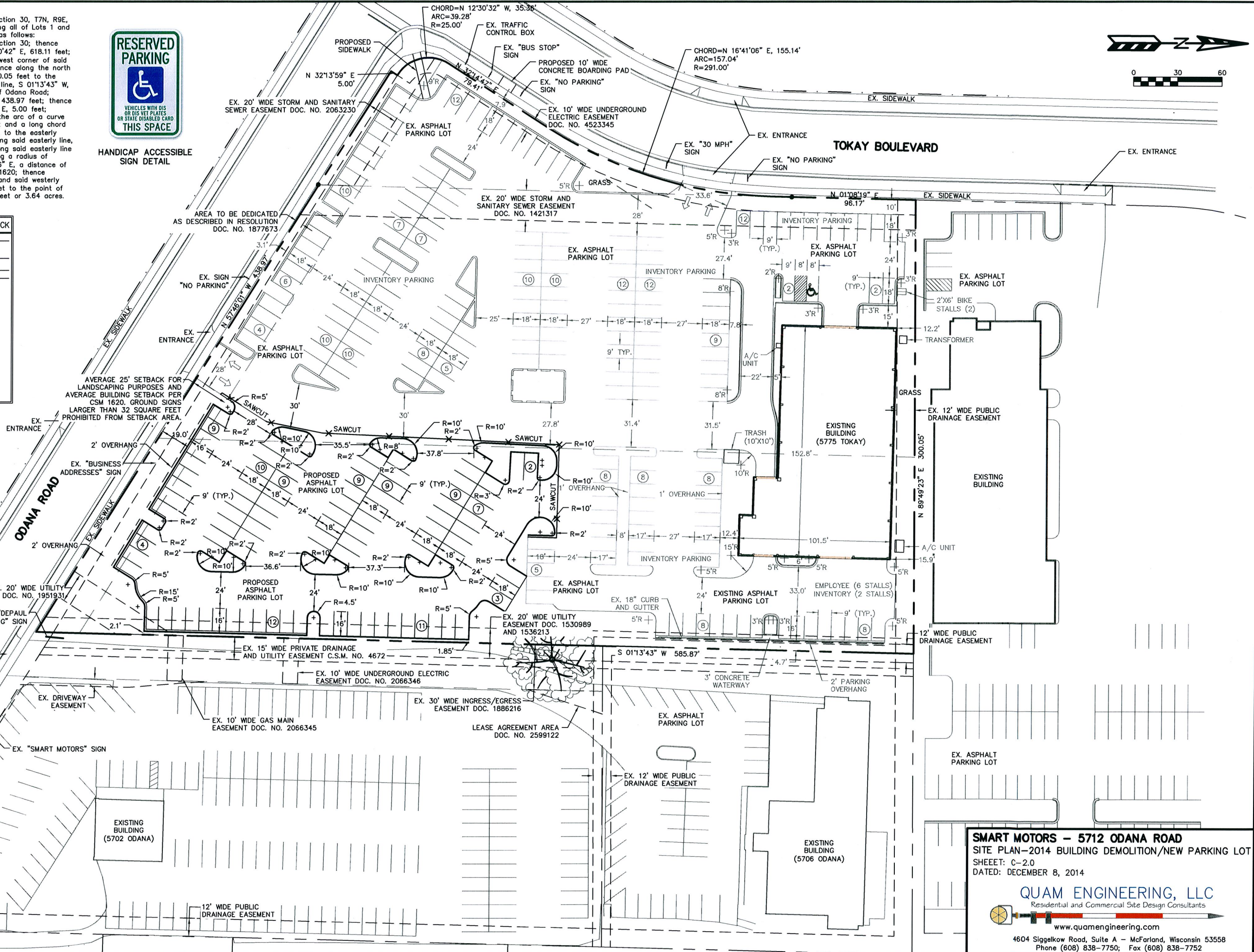
Use of property AUTOMOBILE PREPARATION
 Gross square feet of office N/A
 Gross square feet of retail area N/A
 Number of employees in warehouse N/A
 Number of employees in production N/A
 Capacity of restaurant/place of assembly N/A

Number of bicycle stalls shown 2

Number of Parking stalls:

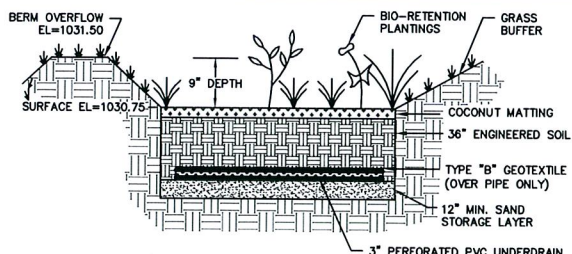
	SHOWN
Inventory	280
Employee	6
Accessible	5
Total	287

Number of trees shown (See Landscape Plan)



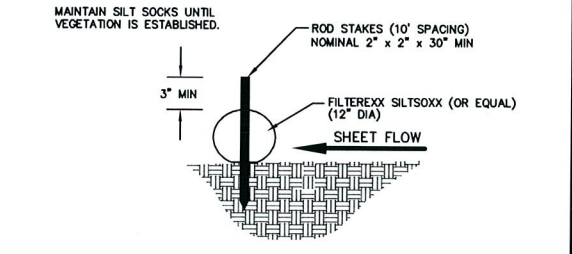
SMART MOTORS - 5712 ODANA ROAD
 SITE PLAN-2014 BUILDING DEMOLITION/NEW PARKING LOT
 SHEET: C-2.0
 DATED: DECEMBER 8, 2014

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 www.quamengineering.com
 4604 Siggeikow Road, Suite A - McFarland, Wisconsin 53558
 Phone (608) 838-7750; Fax (608) 838-7752

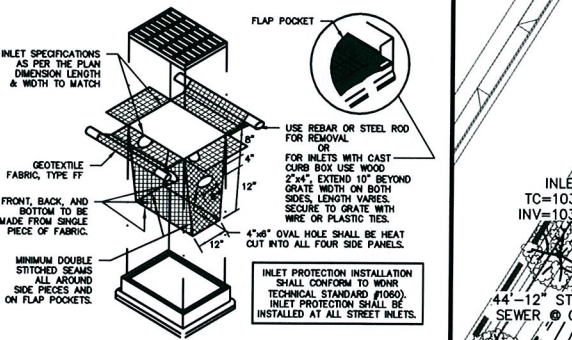


ENGINEERED SOIL SHALL CONSIST OF THE FOLLOWING:
 70% SILICA SAND; 30% COMPOST W/ PH 5.5-6.5
 COMPOST SHALL MEET WQRF SPECIFICATION #100.
 STORAGE/INTERFACE LAYER SHALL CONSIST OF SAND AS FOLLOWS:
 SAND: WASHED QUARTZ OR SILICA 0.02 - 0.04 INCHES IN DIA.
 BIORETENTION PLANTINGS TO BE PLANTED AT ONE PLUG PER SQUARE FOOT. PLUGS TO BE PLANT STOCK NAMED IN THE WET PRAIRIE SHORT STATURE MIX FROM AGREGOL 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 COMPACTION THE BIO-RETENTION AREA.

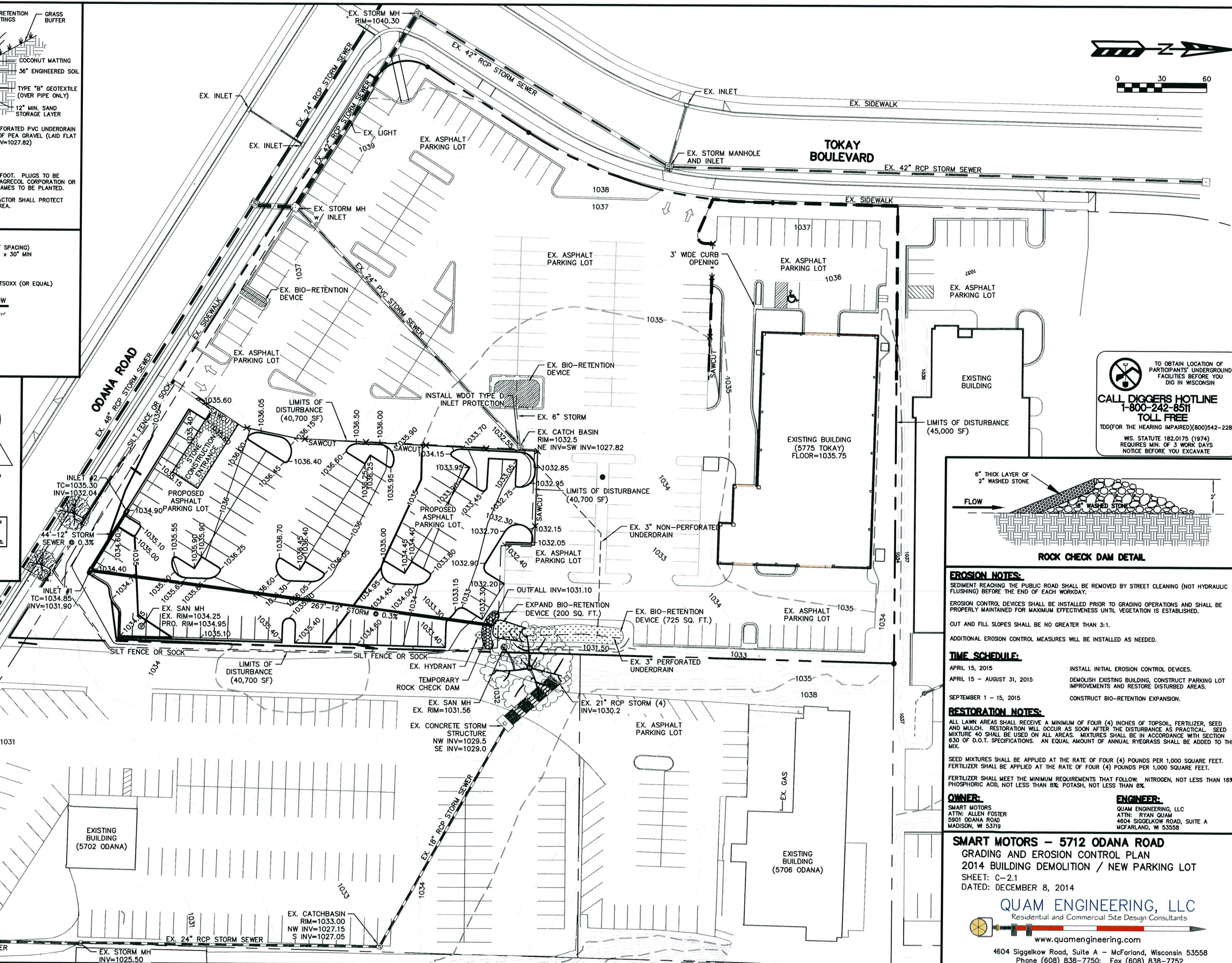
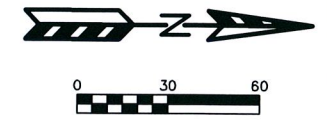
BIORETENTION DETAIL



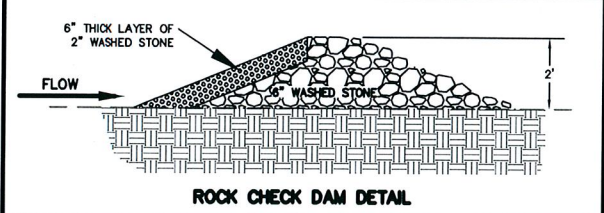
SILT SOCK DETAIL



TYPE D INLET PROTECTION DETAIL



CALL DIGGERS HOTLINE
 1-800-242-8511
 TOLL FREE
 TDD(FOR THE HEARING IMPAIRED)(800)542-2289
 WIS. STATUTE 182.0175 (1974)
 REQUIRES MIN. OF 3 WORK DAYS
 NOTICE BEFORE YOU EXCAVATE



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:
 APRIL 15, 2015 INSTALL INITIAL EROSION CONTROL DEVICES.
 APRIL 15 - AUGUST 31, 2015 DEMOLISH EXISTING BUILDING, CONSTRUCT PARKING LOT IMPROVEMENTS AND RESTORE DISTURBED AREAS.
 SEPTEMBER 1 - 15, 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: DECEMBER 8, 2014

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PLANT MATERIAL LIST

City Code	Common Name	Botanical Name	Planting Size
3	SGM	Sienna Glen Maple	Acer x freemanii 'Sienna'
5	WSBC	Whitespire Birch clip	Betula platyphylla 'Whitespire' CLP
1	CHB	Common Hackberry	Celtis occidentalis
7	SKH	Skyline Honeylocust	Gleditsia triacanthos 'Skyline'
1	PRC	Prairie Rose Crabapple	Malus x 'Prairie Rose'
1	ISTLC	Ivory Silk Tree Lilac clip	Syringa reticulata 'Ivory Silk' clump
1	SAL	Sentry American Linden	Tilia americana 'Sentry'
2	SSL	Stirling Silver Linden	Tilia tomentosa 'Stirling Silver'

City Code	Common Name	Botanical Name	Planting Size
1	MBJ	Mountain Juniper	Juniperus chinensis 'Mountain'
5	CAJ	Compact Arcadia Juniper	Juniperus sabina 'Arcadia Compact'
6	GOJ	Grey Owl Juniper	Juniperus virginiana 'Grey Owl'
1	CBS	Colorado Blue Spruce	Picea pungens 'Glauca'
1	EWB	Eastern White Pine	Pinus strobus
11	TTY	Taunton Yew	Taxus x media 'Taunton'
4	HSA	Holmstrup Arborvitae	Thuja occidentalis 'Holmstrup'
21	PMA	Pyramidal Arborvitae	Thuja occidentalis 'Pyramidal'

City Code	Common Name	Botanical Name	Planting Size
17	CPB	Crimson Pygmy Barbary	Berberis thunb. v. atrop. 'Crimson Pygmy'
7	DNB	Diabolo Ninebark	Physocarpus opulifolius 'Diablo'
4	SWN	Summer Wine Ninebark	Physocarpus opulifolius 'Summer Wine'
16	GLS	Grow-Low Sumac	Rhus aromatica 'Gro-Low'
4	GFS	Grefshelm Spirea	Spiraea x cinerea 'Grefshelm'
38	GMS	Goldmound Spirea	Spiraea japonica 'Goldmound'
3	DRS	Dart's Red Spirea	Spiraea x bumalda 'Dart's Red'
59	MCS	Magic Carpet Spirea	Spiraea japonica 'Magic Carpet'
11	MKL	Miss Kim Lilac	Syringa velutina 'Miss Kim'
14	BMV	Blue Muffin Viburnum	Viburnum dentatum 'Blue Muffin'

City Code	Common Name	Botanical Name	Planting Size
38	KFRG	Karl Foerster Reed Grass	Calamagrostis acutiflora 'Karl Foerster'
20	PMD	Pardon Me Daylily	Hemerocallis 'Pardon Me'
5	HMSG	Heavy Metal Switch Grass	Panicum virgatum 'Heavy Metal'
16	TPDS	Tara Prairie Dropseed	Sporobolus heterolepis 'Tara'

BIO-INFILTRATION AREA

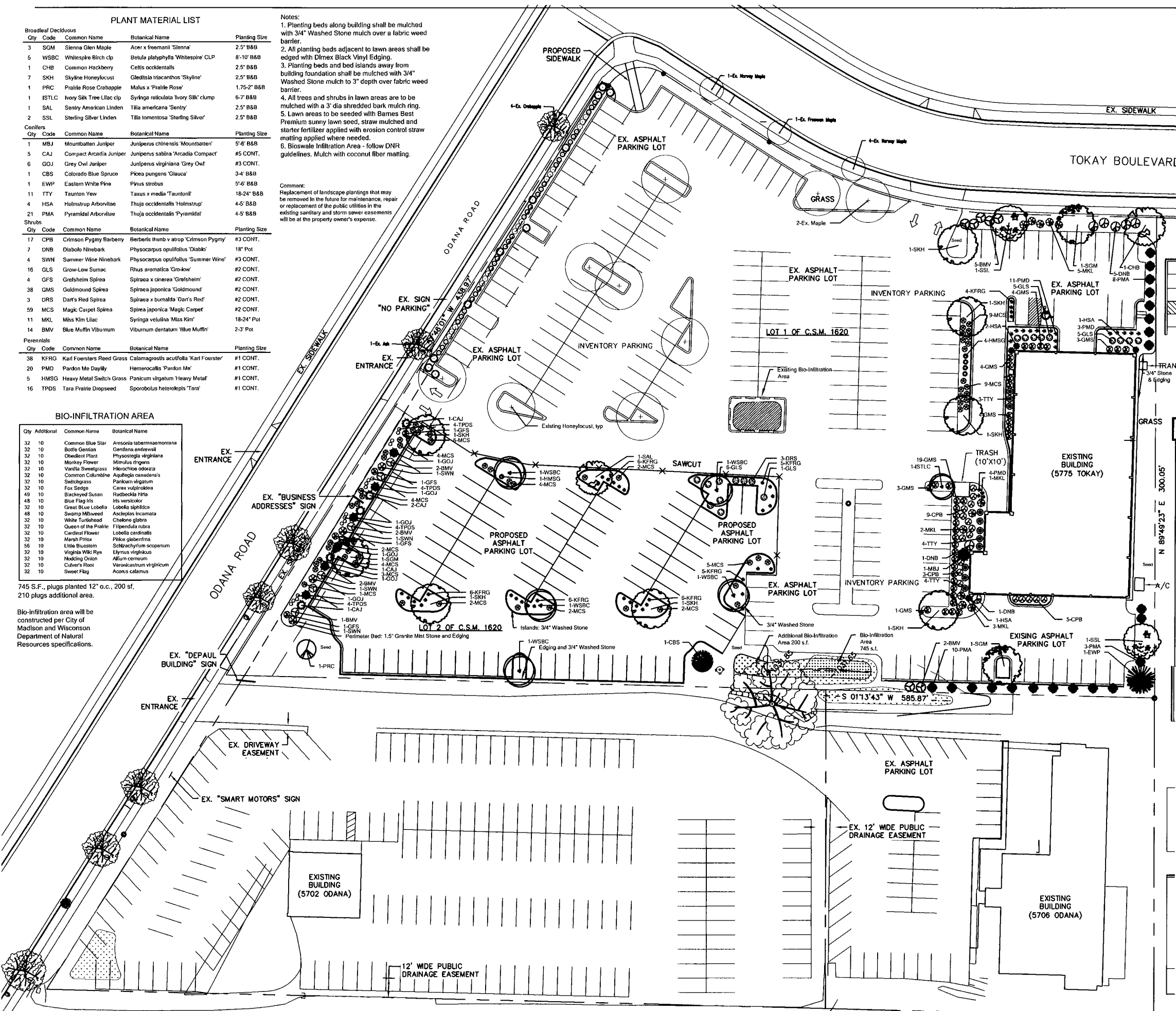
Qty	Additional	Common Name	Botanical Name
32	10	Common Blue Star	Amsonia tabernaemontana
32	10	Bottle Gentian	Gentiana andrewsii
32	10	Obedient Plant	Physostegia virginiana
32	10	Monkey Flower	Mimulus frigidus
32	10	Vanilla Sweetgrass	Hierochloa odorata
32	10	Common Columbine	Aquilegia canadensis
32	10	Switchgrass	Panicum virgatum
32	10	Fox Sedge	Carex vulpinoidea
49	10	Blackeyed Susan	Rudbeckia hirta
48	10	Blue Flag Iris	Iris versicolor
32	10	Great Blue Lobelia	Lobelia siphilica
48	10	Swamp Milkweed	Asclepias incarnata
32	10	White Turtlehead	Chelone glabra
32	10	Queen of the Prairie	Filipendula rubra
32	10	Cardinal Flower	Lobelia cardinalis
32	10	Marsh Pinks	Phlox glaberrima
56	10	Little Bluestem	Schizachyrium scoparium
32	10	Virginia Wild Rye	Elymus virginicus
32	10	Mocking Onion	Allium cernuum
32	10	Culver's Root	Mercurialis virginicum
32	10	Sweet Flag	Acorus calamus

745 S.F., plugs planted 12" o.c., 200 sf, 210 plugs additional area.

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

- 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 Dimex 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.



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/Contractor: Smart Motors Used Car Prep
Contact Phone: 608.845.6339
Contact Email: smartmotors@smartmotorswi.com

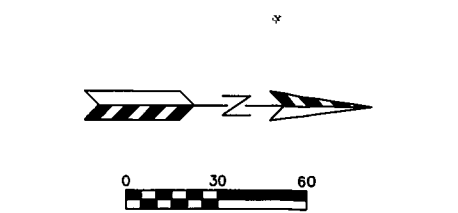
Landscape Calculations and Distribution:
Landscape units shall be calculated based on the total developed area of the property. Developed area is defined as all parts of the site that are not in a natural state within a 50-foot contiguous boundary, including building footprints, parking and loading areas, driveways, internal sidewalks, patios and outdoor activity areas. Developed area does not include other land within recorded setbacks and natural areas on the same property that are not undisturbed.
(a) One (1) landscape unit shall be provided for each three hundred (300) square feet of developed area with the exception of the L and IG districts as specified in the table below.
Total square footage of developed area: n/a
Developed area divided by three hundred (300) square feet = n/a Landscape Units
(b) Within the Industrial - Limited (LI) 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: 158707 s.f.
Developed area divided by six hundred (600) square feet = 265 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 = 1,325 Total Points Required

Table of Points and Credits:
Use this table to indicate the quantity and points for all existing and proposed landscape elements. Calculations showing a fraction are to be rounded (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 Achieved	New/Proposed Landscaping Quantity	Points Achieved
Deciduous tree	2-1/2" caliper	35	14	490	14
Deciduous tree	1-1/2" caliper	15	0	0	7
Evergreen tree	3 feet tall	15	0	0	28
Shrub, deciduous	18" or 3 gallon container size	2	15	30	173
Shrub, evergreen	18" or 3 gallon container size	3	41	123	22
Ornamental grasses	18" or 3 gallon container size	2	0	0	59
Ornamental decorative fencing or wall	4 per 10' linear ft.	0	0	0	0
Sub Totals					643
					1,545
					2,188

Total Number of Points Provided: 2,188

James E. Gollar



LANDSCAPING PLAN - PHASE II

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGSAFE HOTLINE 1-800-222-8281 TOLL FREE
TOO FOR THE HEARING IMPAIRED (800) 542-2289
WIS. STATUTE (82.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

Barnes LLC
Landscape Services
6433 Nesbitt Road
Madison, WI 53719
Ph: 608.845.3230 Fx: 608.845.6339
www.barnesinc.net

Consultants:
Client:

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: _____
Accepted by Barnes Inc.: _____ Date: _____

Date: 4/29/13 3.2/11/14
Revised: 4.9/9/14
1.6/27/13 5.11/10/14
2.11/11/13 6.1/12/15

Sheet: _____ Scale: 1" = 60'-0"

L-1.0

Smart Motors
Odana Road and Tokay Blvd
Madison, WI

Building Demolition/New Parking Lot



EXISTING BLDG. - 5712 ODANA RD.
TO BE DEMOLISHED

LIGHTING FIXTURE SCHEDULE					
TYPE	MANUFACTURER	CATALOG NO.	DESCRIPTION	QUANTITY	LAMPS
OA	LSI	X283-FT-LID-178-450 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	X283-FT-LID-178-450 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	X283-FT-LID-128-450 CW-UE-WHT	WALL MTD FORWARD THROW WITH FLAT GLASS LENS MOUNTED 16 FEET ABOVE FINISHED GRADE	0	16,300 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.

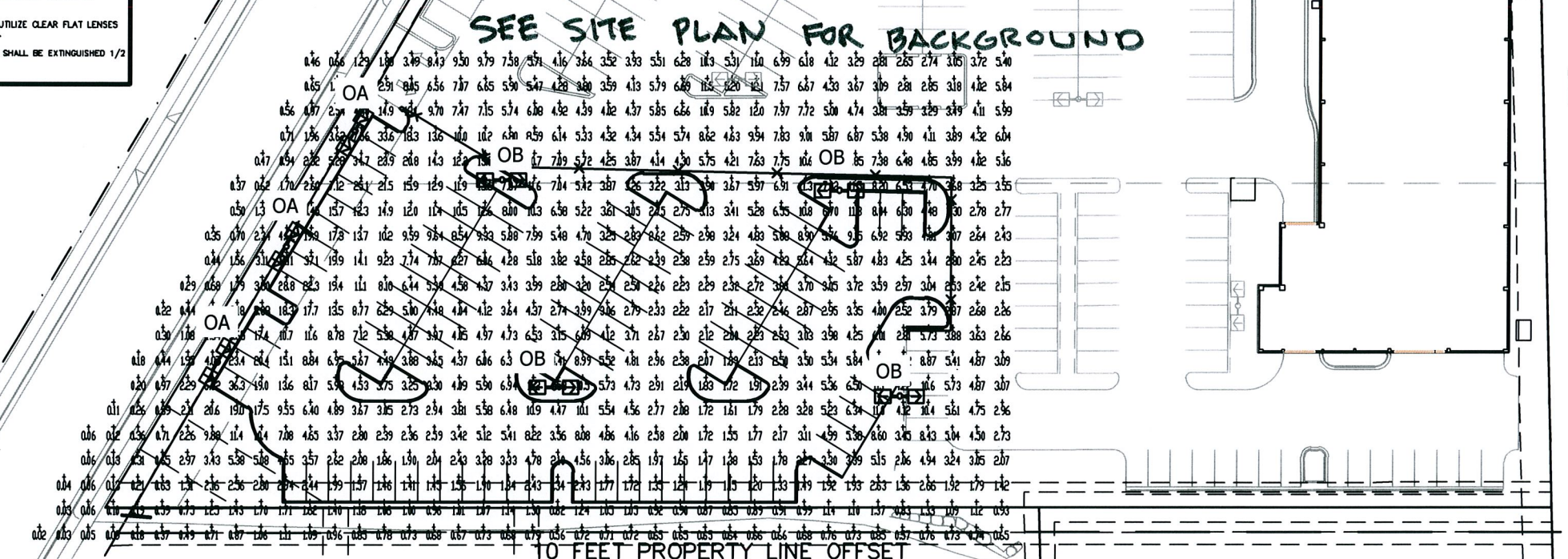
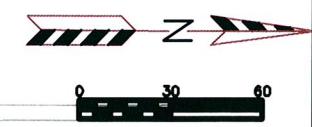
DESIGN CRITERIA

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

"10.085(4)(c) 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

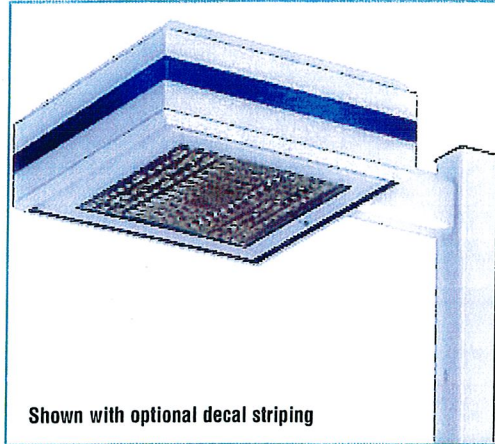
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SMART MOTORS - USED CAR BUILDING
LIGHTING PLAN - PHASE 2
PAGE: 1 OF 1
DATED: SEPTEMBER 9, 2014

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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 6500K

All results are according to IESNA LM-79-07-08: 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 for the Label Reference Guide.

Registration Number: KGBN-P-0005 (12/12/2011)
Model Number: XGB3 FT LED 176 450 CW UE
Type: Outdoor area roadway fixture

	# 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 RF/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

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 CHART² - 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	7.2
TN120°	Required	7.3
Q90°		8.8

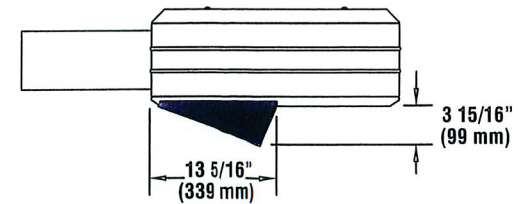
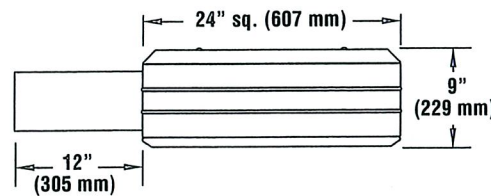
ACCESSORY ORDERING INFORMATION (Accessories are field installed)

Description	Order Number
XGB3-176 - HSS - House Side Shield (Black only) ²	482002 BLK
XGB3-176 - LSS - House Side Shield Left Side (Black only) ²	482002 BLK
XGB3-176 - RSS - House Side Shield Right Side (Black only) ²	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)

Project Name: SMART MOTORS UPGRADE Fixture Type: OA & OB 07/13/12

Catalog #: XGB3 FT LED 176 450 CW UE WHT

A Company with a Smart Vision

Project Name: SMART MOTORS UPGRADE Fixture Type: OA 07/13/12

Catalog #: XGB3 FT LED 176 450 CW UE WHT

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