

Smart Motors

New Toyota Facility
5901 Odana Road
Madison, WI 53719



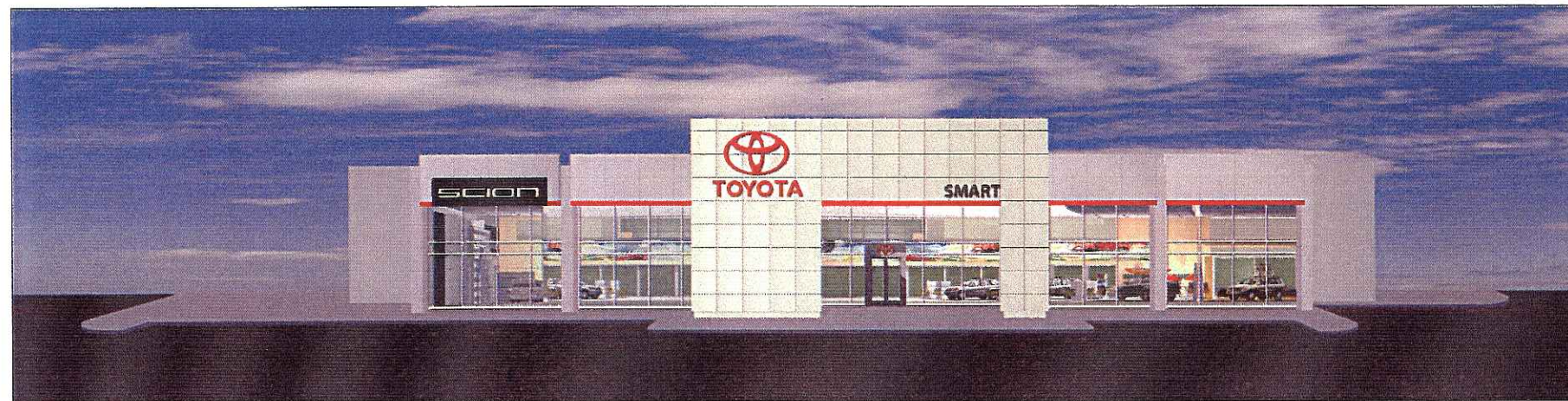
Date: September 5, 2006

Sheet Index

SP-1 EXISTING SITE PLAN
SP-2 SITE / UTILITY PLAN
SP-3 GRADING AND EROSION
CONTROL PLAN
SP-4 PHASE 1 SITE PLAN
SP-5 PHASE 2 SITE PLAN
SP-6 PHASE 3 SITE PLAN
SP-7 SITE PHOTOS

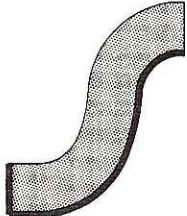
E-0 SITE LIGHTING PLAN
E-0a PHOTOMETRIC PLAN

L-1 LANDSCAPE PLAN
BUILDING ELEVATIONS



Plan Commission review set
Project No. 206-063

STAMPS &
APPROVALS :

 **Kenneth F.
Sullivan**
DESIGN BUILD /
GENERAL CONTRACTORS CO.
P.O. BOX 259463 1314 EMIL ST. 608-257-2289
MADISON, WI 53725-9463 FAX 608-257-2906
www.kfsullivan.com



Mailing Address - P.O. Box 259463 - Madison, WI 53725-9463
Street Address - 1314 Emil Street - Madison, WI 53713
Telephone - (608) 257-2289 Fax - (608) 257-2906

August 31, 2006

**Letter of Intent for a new Smart Motors Toyota Dealership
5901 Odana Road**

Dear Plan Commission Members,

As Smart Motors approaches 100 years in business in 2008, they wish to construct a new 97,000 square foot Toyota facility in the same location as their existing building. In order to accomplish this goal, three buildings on the existing 6.76-acre site will need to be demolished.

In an effort to have improved traffic flow onto Odana Road, our new site plan decreases the number of driveways, or curb cuts, from six down to only three. Customers leaving Smart Motors will be directed to leave at the intersection of Odana and Tokay, which currently is a stoplight-controlled intersection. Another special feature of the new site design is a bicycle pit stop area that would be connected to the existing bike path. This would also allow someone on a bike to access the stoplights mentioned above to cross Odana Road.

The timeline for the entire project will be approximately one year, with construction to start in the fall of this year.

Our Project team includes:

J.R. Smart, Jim Budinetz, and Allen Foster of Smart Motors
Architect: K.F. Sullivan Company
General Contractor: K.F. Sullivan Company
Landscape Architect: Paul Skidmore of Barnes, Inc.
Storm Water Management: Quam Engineering, L.L.C.

Smart Motors currently employs 117 full and part time people and their hours of operation are:

Sales: Summer hours (Memorial Day to Labor Day)
Monday thru Thursday: 9 a.m. - 8 p.m.
Friday: 9 a.m. - 6 p.m.
Saturday: 9 a.m. - 5 p.m.
Sunday: Closed

Sales : Winter hours (Labor Day to Memorial Day)
Monday & Thursday: 9 a.m. - 8 p.m.
Tuesday, Wednesday & Friday: 9 a.m. - 6 p.m.
Saturday: 9 a.m. - 5 p.m.
Sunday: Closed

Service & Parts:
Monday & Thursday: 7 a.m. - 8 p.m.
Tuesday, Wednesday & Friday: 7 a.m. - 6 p.m.
Saturday: 7:30 a.m. - 12:00 p.m.
Sunday: Closed

They anticipate extending Saturday hours for Service & Parts (probably until 5 p.m.) in the new facility, quick lube hours would probably be the same as service unless they see a need to extend (based on customer requests).

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

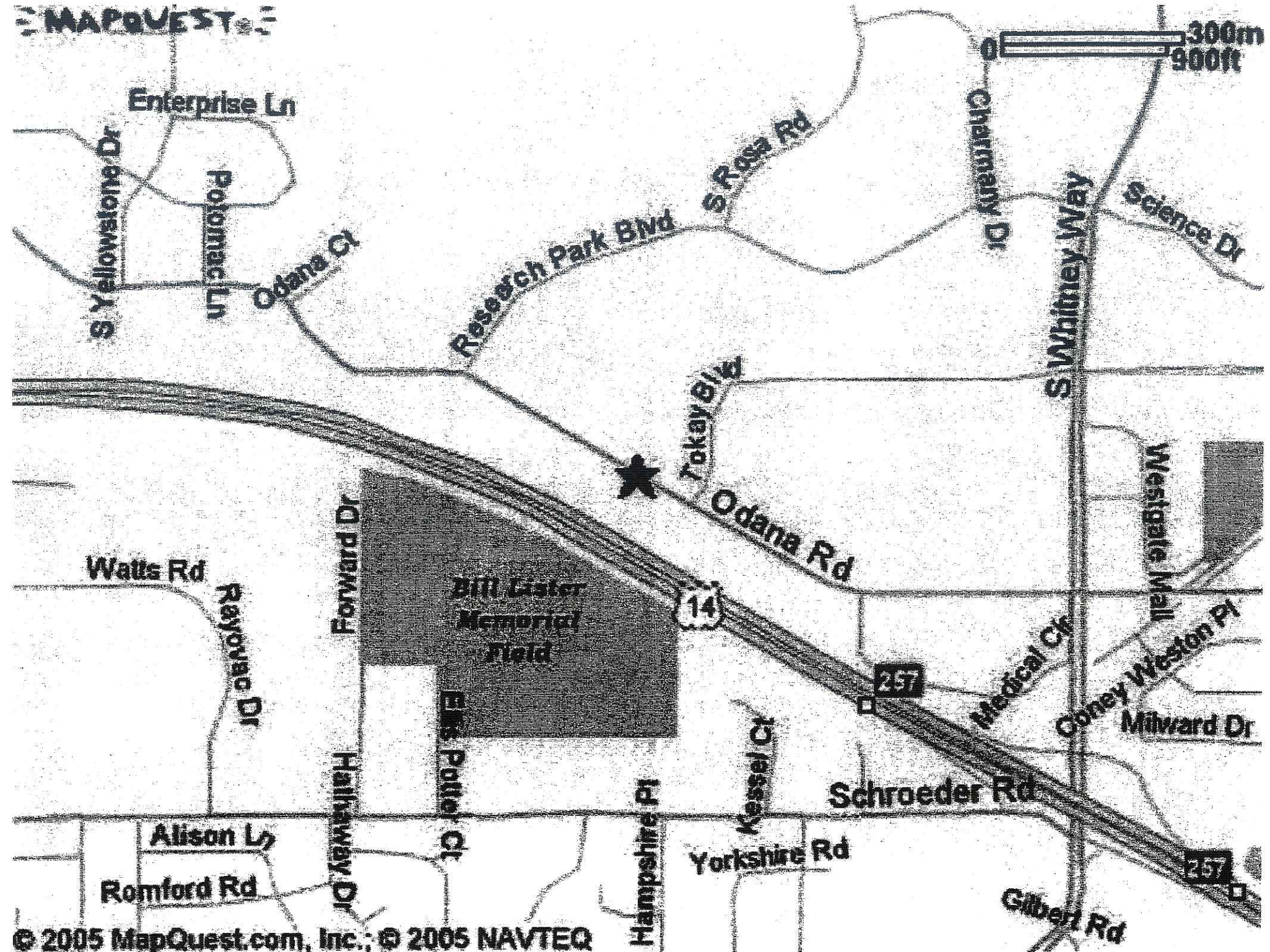
Sincerely,
K. F. SULLIVAN CONSTRUCTION

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

This booklet reflects the plans that received final approval by the Urban Design Commission on August 23rd, 2006.

Final changes to the landscaping plan as requested for approval are highlighted on the landscape plan, sheet L-1.

MAPQUEST



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QUAM ENGINEERING, LLC 4893 Larson Beach Road, McFarland, WI 53558 (608) 838-7750

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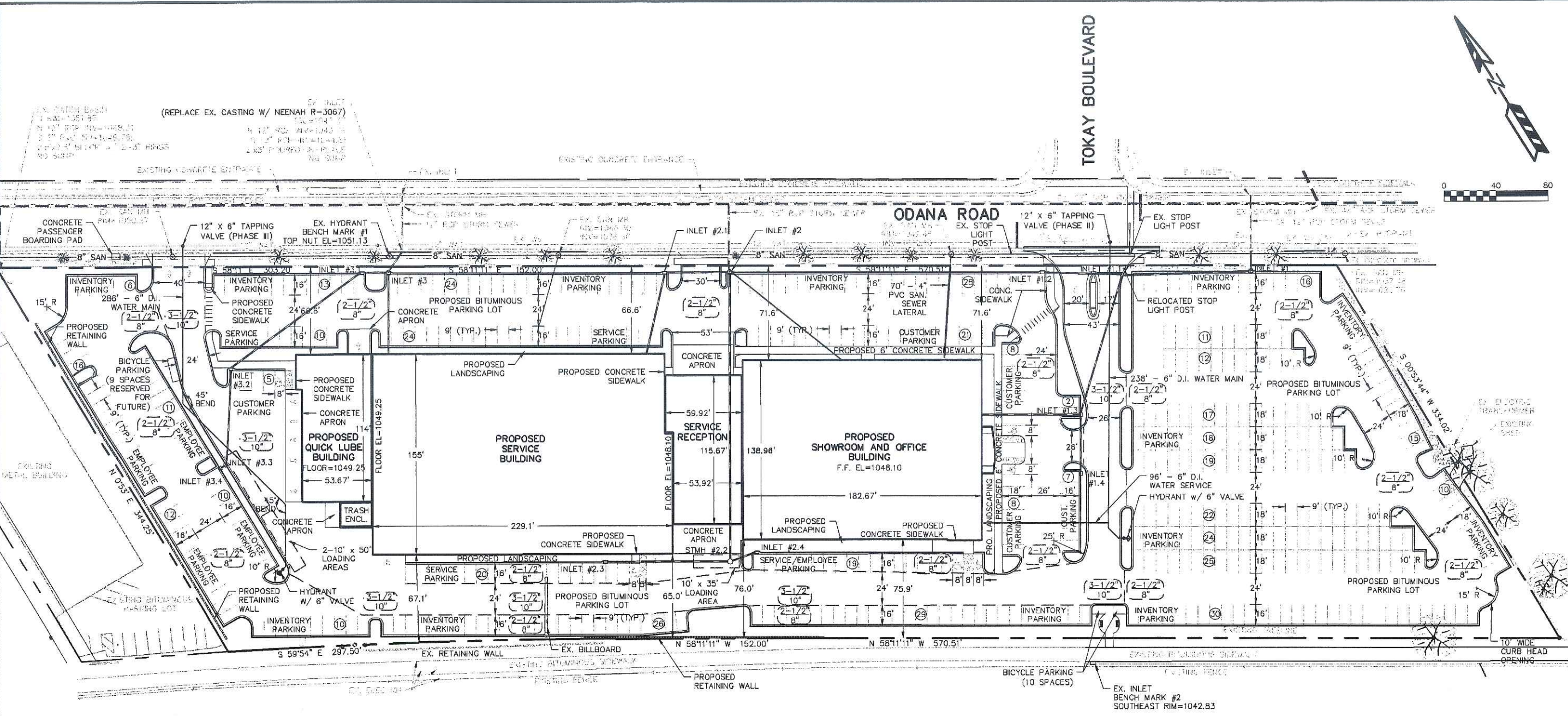
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WEST BELTLINE HIGHWAY

PAVING LEGEND

	2-1/2" ASPHALT PAVEMENT OVER 8" BASE COURSE
	3-1/2" ASPHALT PAVEMENT OVER 10" BASE COURSE (IN MAIN DRIVE AISLE)

UTILITY LEGEND

	PROPOSED SANITARY SEWER
	PROPOSED WATER MAIN
	PROPOSED STORM SEWER
	PROPOSED WATER HYDRANT
	PROPOSED WATER VALVE
	PROPOSED STORM MANHOLE
	PROPOSED STORM INLET

PARKING LOT PLAN SITE INFORMATION BLOCK

Site Address: 5901 ODANA ROAD
 Site acreage (total): 6.78 ACRES

Number of building stories (above grade): 1 OFFICES ABOVE SHOWROOM
 Building height: 28'-0"
 DILIR type of construction (new structures or additions): JIB
 Total square footage of building: 73,639 sq. ft.

Use of property: CAR DEALERSHIP
 Gross square feet of office: NA
 Gross square feet of retail area: 30,000 SQ. FT.
 Number of employees in warehouse: NA
 Number of employees in production: NA
 Capacity of restaurant/office of assembly: NA

Number of bicycle stalls shown: 19

Number of Parking stalls:	SHOWN	Comments
Service cars	62	31 BAYS @ 2 CARS / BAY
Service employees	16	5 employees / service bay
Service manager	1	
Office / retail area	98	1 stall / 300 sq. ft.
Inventory	355	remainder of stalls
Accessible	(6)	based on 179 stalls
Total	532	

Number of trees shown: (See Landscape Plan)

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

REVISIONS

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REVISION	
REVISION	
REVISION	
REVISION	

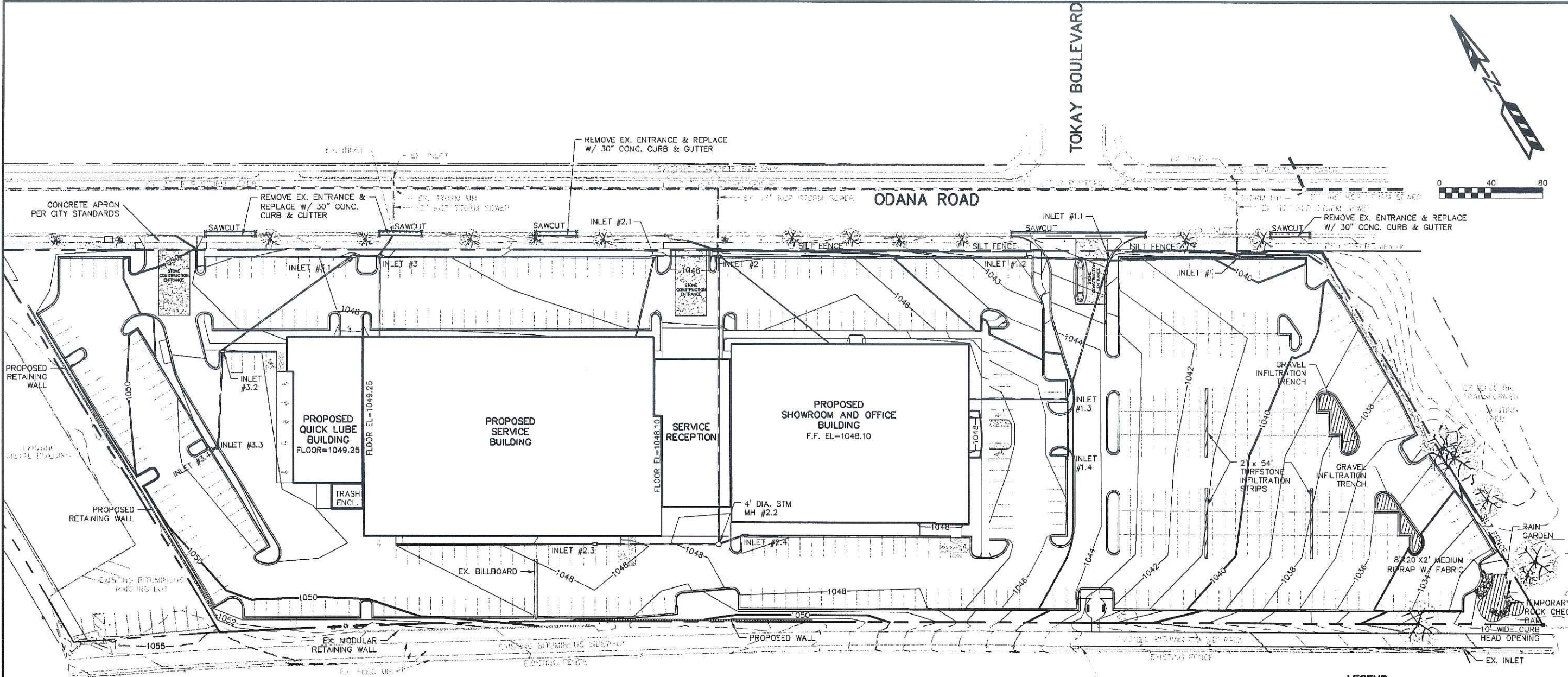
Smart Motors
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 5901 Odana Road
 Madison, WI 53719

Sullivan
 DESIGN BUILD / GENERAL CONTRACTORS
 P.O. BOX 259463, 1314 EML ST.
 MADISON, WI 53725-9463
 608-257-2289
 608-257-2806

DRAWING NAME: PROPOSED SITE AND UTILITY PLAN
 DRAWN BY: AFF/RDQ
 DATE: 8/14/06

SHEET: **SP-2**
 PROJ # PROJLN0

QUAM ENGINEERING, LLC
 4893 Larson Beach Road, McFarland, WI 53558 (608) 838-7750
 2021031610309 BS 2
 90511
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EROSION NOTES:
 THE STONE CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION, THE TRACKING PAD IS TO BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACK OF MUD OR DRY SEDIMENT ONTO THE ADJACENT PUBLIC STREETS. SEDIMENT REACHING THE PUBLIC ROAD SHALL BE REMOVED BY STREET CLEANING (NOT HYDRAULIC FLUSHING) BEFORE THE END OF EACH WORKDAY.
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TIME SCHEDULE:
 AUGUST 1 - SEPTEMBER 15, 2006 CONSTRUCT PHASE I PARKING LOT AND RESTORE DISTURBED AREAS. (SEE SHEET SP-4)
 SEPTEMBER 16, 2006 - MAY 30, 2007 CONSTRUCT PHASE II BUILDING, PARKING LOTS AND UTILITIES AND RESTORE DISTURBED AREAS. (SEE SHEET SP-5)
 JUNE 1, 2007 - AUGUST 30, 2007 CONSTRUCT PHASE III BUILDING, PARKING LOTS AND UTILITIES AND RESTORE DISTURBED AREAS. (SEE SHEET SP-6)

RESTORATION NOTES:
 ALL DISTURBED AREAS, EXCEPT PAVEMENT AND SIDEWALK, 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 20 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.
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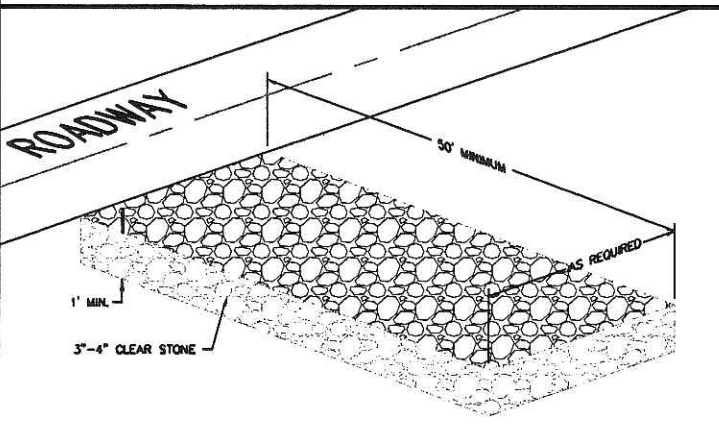
OWNER:
 SMART MOTORS
 5901 ODANA ROAD
 MADISON, WI 53719

ENGINEER:
 QUAM ENGINEERING, LLC
 ATTN: RYAN QUAM
 4893 LARSON BEACH ROAD
 MCFARLAND, WI 53558

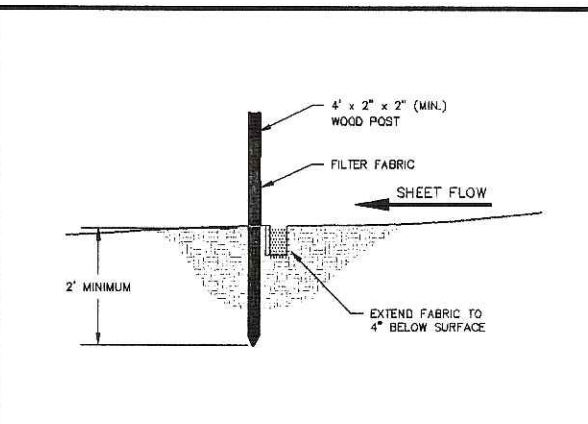
IMPERVIOUS AREAS

BUILDING	73,639 SQ.FT.
PARKING LOT/SIDEWALK	184,202 SQ.FT.

ALL GRADES ARE EDGE OF PAVEMENT ELEVATIONS UNLESS NOTED.
 SEE SHEETS SP4-SP6 FOR STORM SEWER INFORMATION

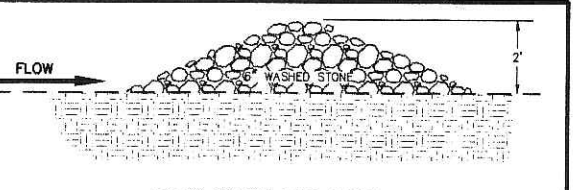


STONE CONSTRUCTION ENTRANCE



SILT FENCE CONSTRUCTION (SHEET FLOW)

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
 WIS. STATUTE 182.0175 (1974)
 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE



ROCK CHECK DAM DETAIL

- LEGEND**
- 1051- EXISTING MINOR CONTOUR
 - 1050- EXISTING MAJOR CONTOUR
 - 1051- PROPOSED MINOR CONTOUR
 - 1050- PROPOSED MAJOR CONTOUR
 - SILT FENCE
 - 1050.00 PROPOSED SPOT ELEVATION
 - PROPOSED STORM SEWER
 - EXISTING WATER HYDRANT
 - EXISTING WATER VALVE
 - EXISTING SANITARY MANHOLE
 - EXISTING STORM MANHOLE
 - EXISTING DECIDUOUS TREE

Smart Motors
 New Toyota Facility
 5901 Odana Road
 Madison, WI 53719

Revisions:
 REVISION 1
 REVISION 2
 REVISION 3
 REVISION 4
 REVISION 5

Heimath Sullivan
 DESIGN BUILD / GENERAL CONTRACTORS
 1314 E. MAIN ST. MADISON, WI 53703
 P.O. BOX 259463 MADISON, WI 53725-9463
 TEL: 608-257-2289 FAX: 608-257-2506

DRAWING NAME: GRADING AND EROSION CONTROL PLAN
 PHASES I, II, & III
 DRAWN BY: AFF/RDQ
 DATE: 8/14/06

SP-3
 SHEET # PROJ NO

QUAM ENGINEERING, LLC 4893 Larson Beach Road, McFarland, WI 53558 (608) 838-7750

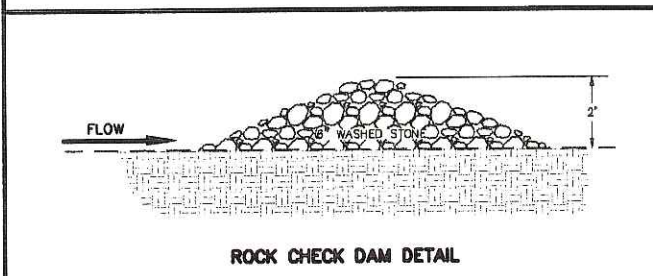
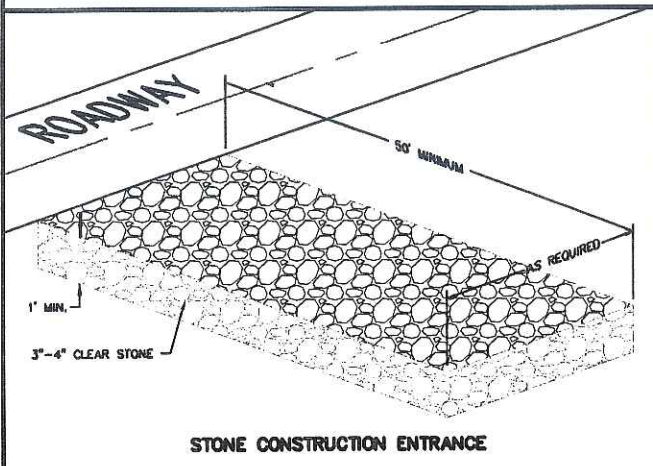
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TIME SCHEDULE:
 JULY 30 - JULY 31, 2006 INSTALL EROSION CONTROL DEVICES.
 AUGUST 1 - SEPTEMBER 15, 2006 CONSTRUCT PARKING LOT AND UTILITIES AND RESTORE DISTURBED AREAS.

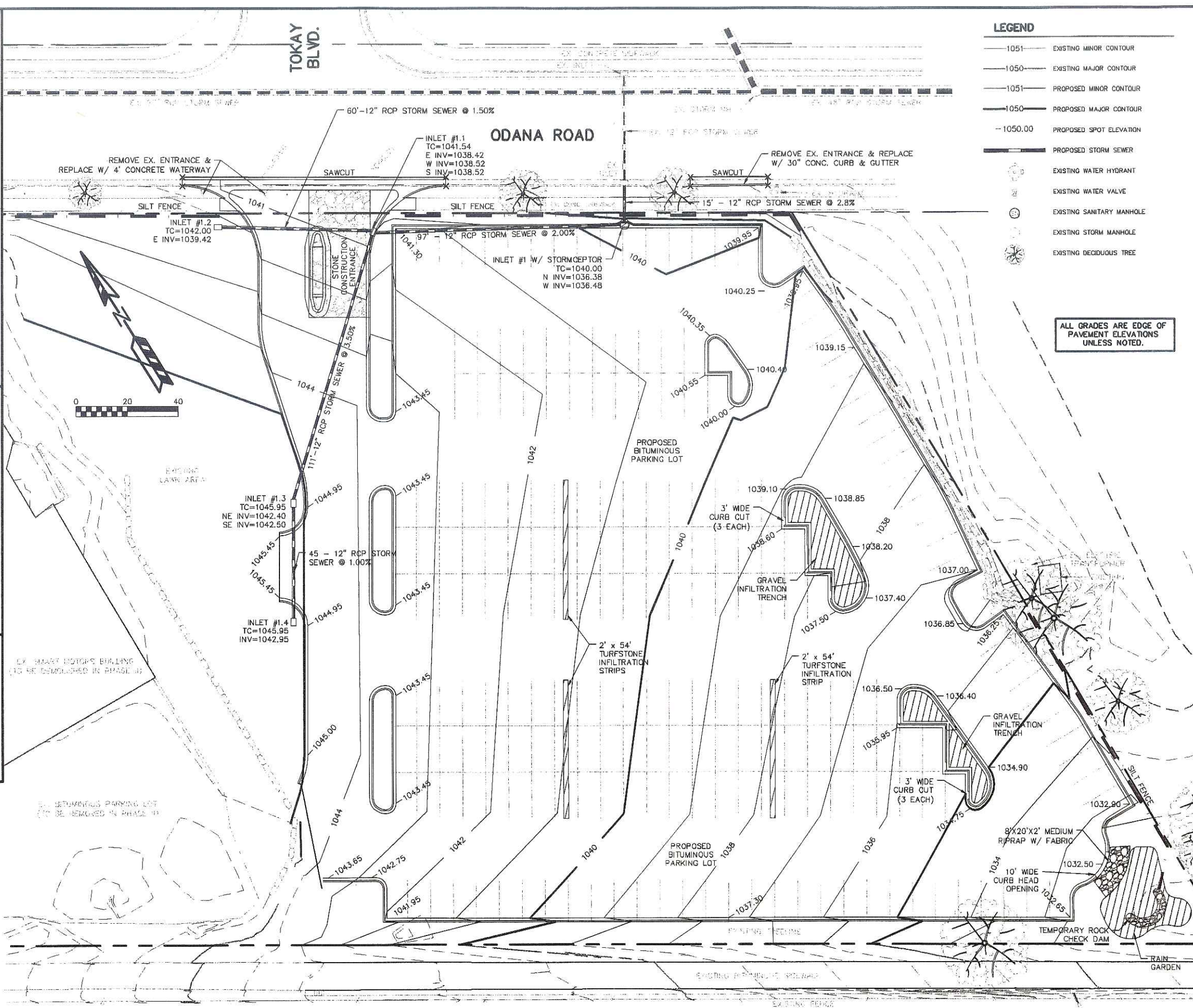
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REVISIONS

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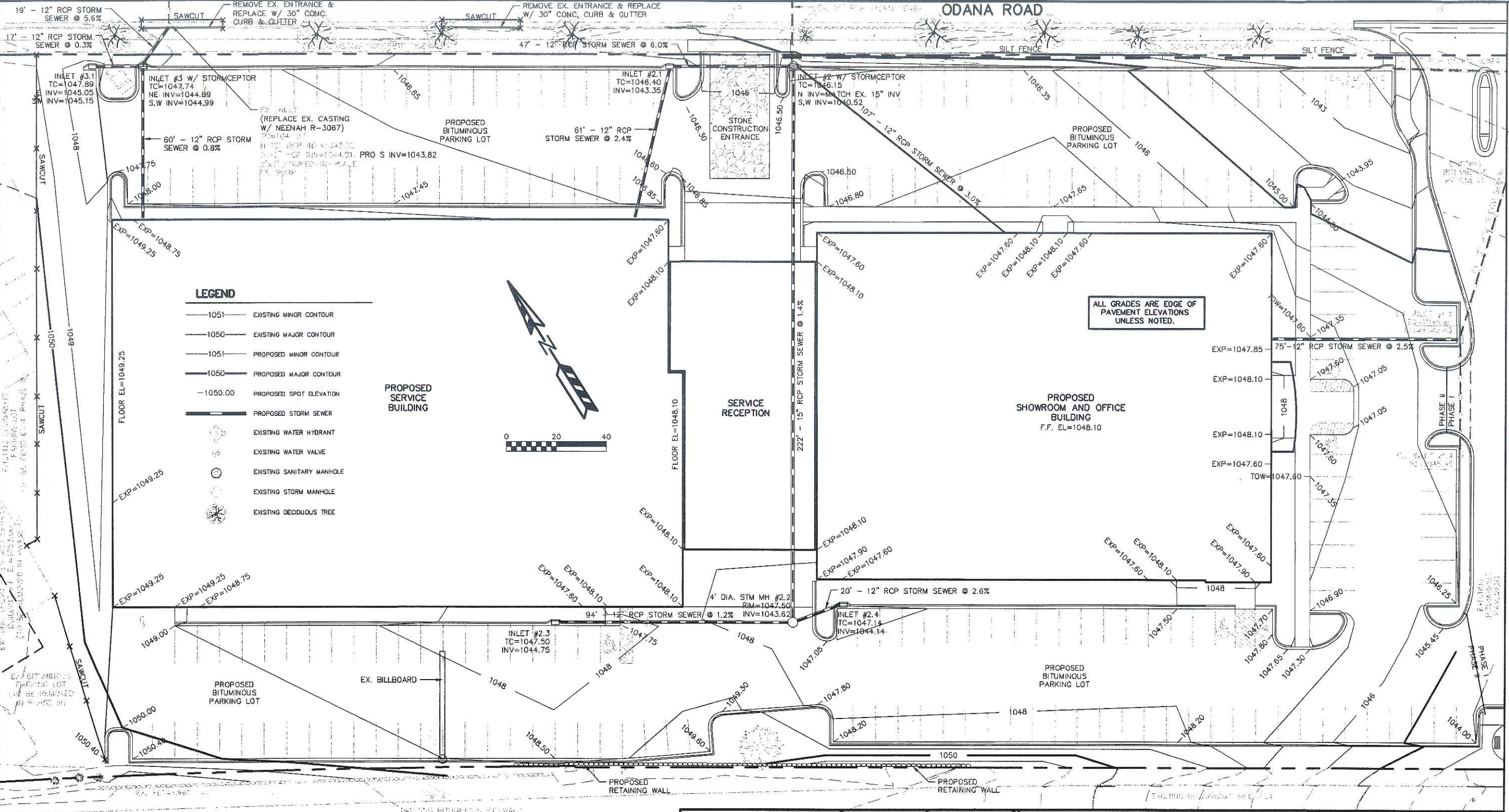
Sullivan
 DESIGN BUILD / GENERAL CONTRACTORS
 P.O. BOX 269463, 1314 ENL ST. MADISON, WI 53725-9463
 608-257-2289
 FAX 608-257-2806

PRAWING NAME
 PHASE | GRADING PLAN
 DRAWN BY: AFT/RDQ
 DATE: 8/14/06

SHEET
SP-4
 PROJ # PROJ NO

WEST BELTLINE HIGHWAY

QUAM ENGINEERING, LLC 4893 Larson Beach Road, McFarland, WI 53558 (608) 838-7750
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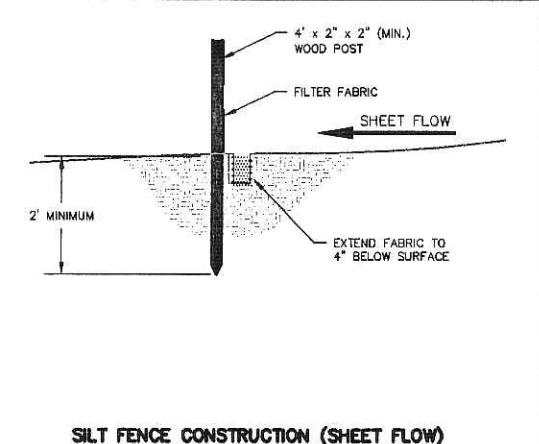
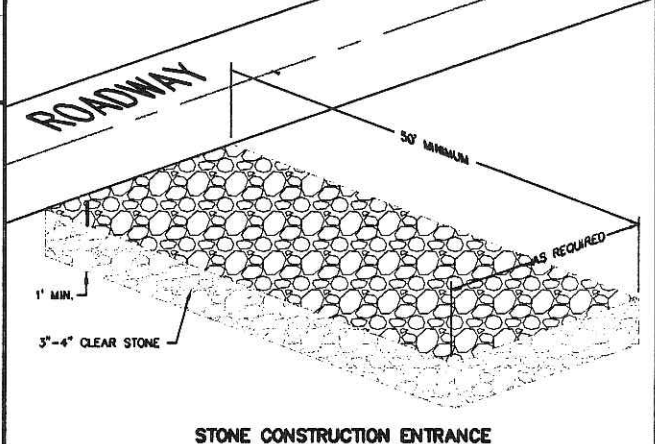
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TIME SCHEDULE:
 SEPTEMBER 14 - SEPTEMBER 15, 2006 INSTALL EROSION CONTROL DEVICES.
 SEPTEMBER 16, 2006 - MAY 30, 2007 CONSTRUCT BUILDING, PARKING LOT AND UTILITIES AND RESTORE DISTURBED AREAS.

RESTORATION NOTES:
 ALL DISTURBED AREAS, EXCEPT PAVEMENT AND SIDEWALK, 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 20 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.
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REVISIONS	REVISION 1	REVISION 2	REVISION 3	REVISION 4	REVISION 5
DRAWING NAME	PHASE II GRADING PLAN				
DRAWN BY:	AFF/RDQ				
DATE:	8/07/06				
SHEET	SP-5				
PROJ. #	PROJLN0				

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 514 E. MIL. ST.
 MADISON, WI 53703-9403 FAX 608-257-2599

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 SU-25-06\SU26BASE.DWG 90151

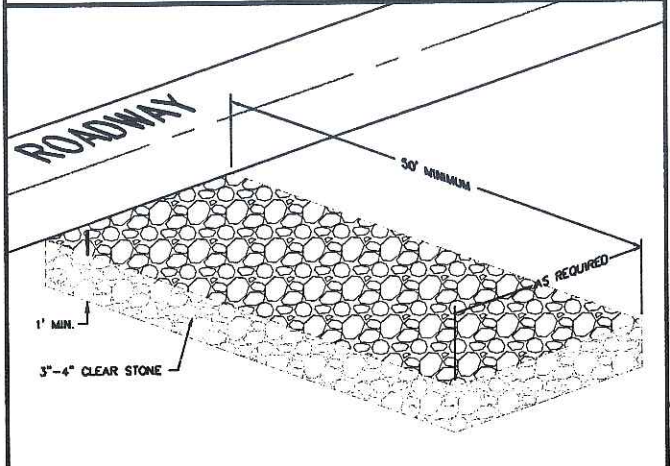
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TIME SCHEDULE:
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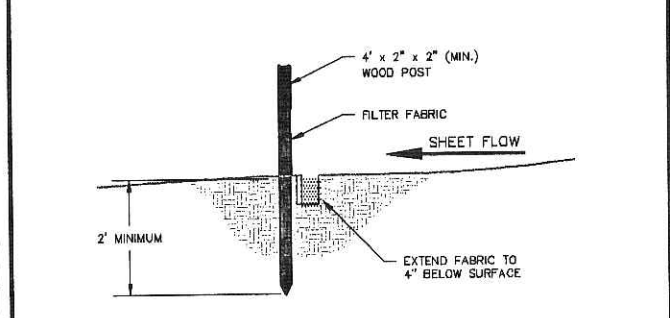
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 ALL DISTURBED AREAS, EXCEPT PAVEMENT AND SIDEWALK, SHALL RECEIVE A MINIMUM OF FOUR (4) INCHES OF TOPSOIL, FERTILIZER, SEED AND MULCH. RESTORATION WILL OCCUR AS SOON AFTER THE DISTURBANCE AS PRACTICAL. SEED MIXTURE 20 SHALL BE USED ON ALL AREAS. MIXTURES 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 6%; POTASH, NOT LESS THAN 6%.

OWNER:
 SMART MOTORS
 5901 ODANA ROAD
 MADISON, WI 53719

ENGINEER:
 QUAM ENGINEERING, LLC
 ATTN: RYAN QUAM
 4893 LARSON BEACH ROAD
 MCFARLAND, WI 53558

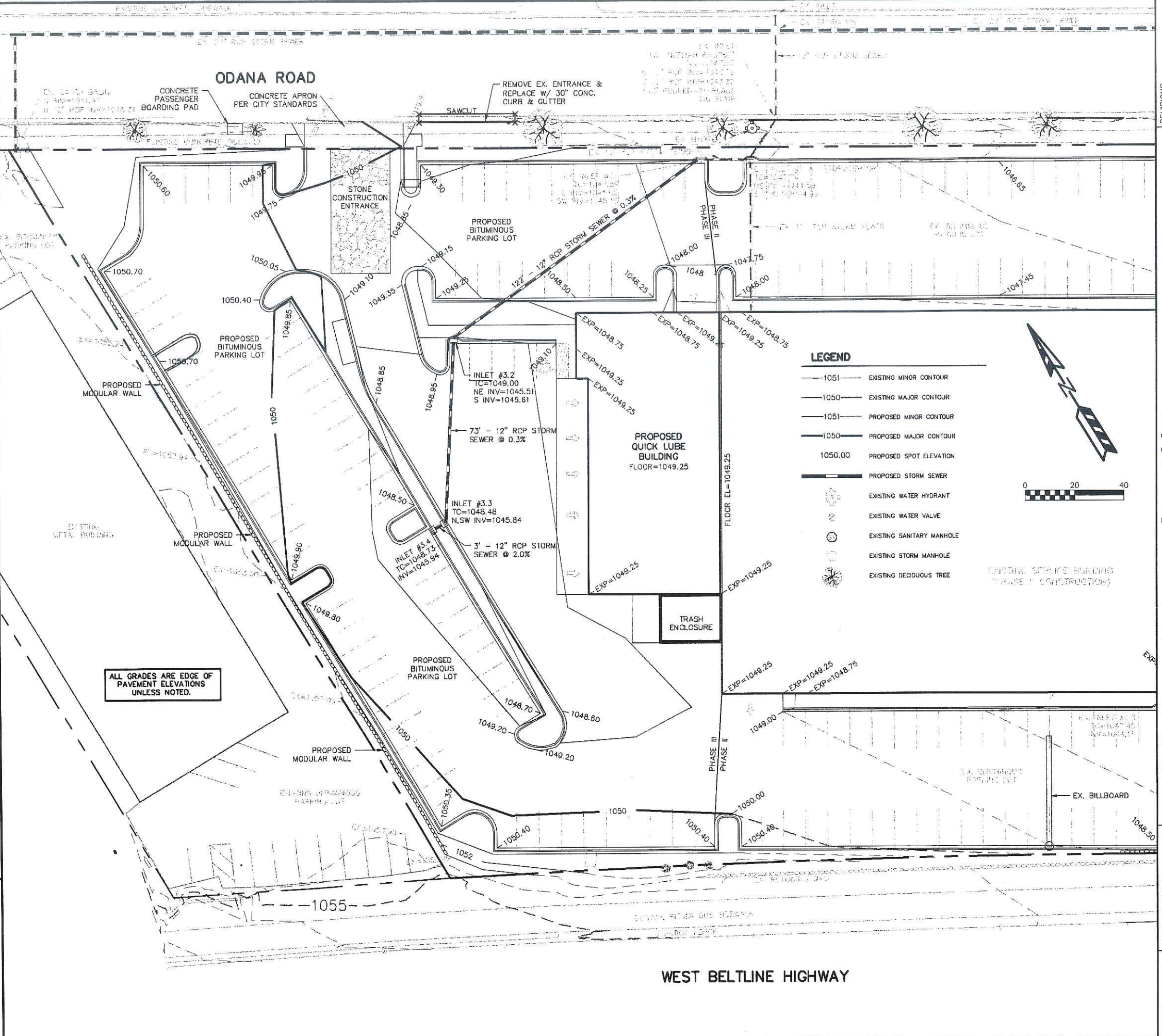


STONE CONSTRUCTION ENTRANCE



SILT FENCE CONSTRUCTION (SHEET FLOW)


 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
 WIS. STATUTE 182.0175 (1974)
 REQUIRES MIN. OF 3 WORK DAYS
 NOTICE BEFORE YOU EXCAVATE



- LEGEND**
- 1051— EXISTING MINOR CONTOUR
 - 1050— EXISTING MAJOR CONTOUR
 - - -1051- - - PROPOSED MINOR CONTOUR
 - - -1050- - - PROPOSED MAJOR CONTOUR
 - 1050.00 PROPOSED SPOT ELEVATION
 - PROPOSED STORM SEWER
 - ⊙ EXISTING WATER HYDRANT
 - ⊙ EXISTING WATER VALVE
 - ⊙ EXISTING SANITARY MANHOLE
 - ⊙ EXISTING STORM MANHOLE
 - ⊙ EXISTING DECIDUOUS TREE

ALL GRADES ARE EDGE OF PAVEMENT ELEVATIONS UNLESS NOTED.

REVISION 1
REVISION 2
REVISION 3
REVISION 4
REVISION 5
REVISION 6

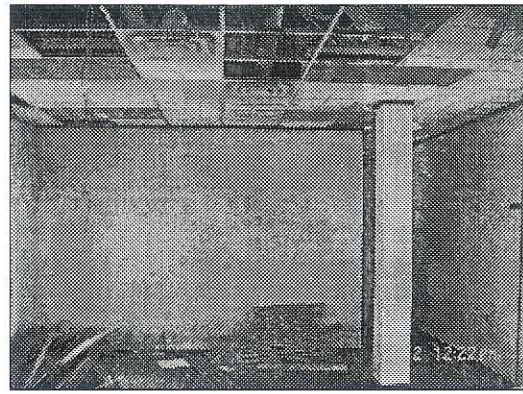
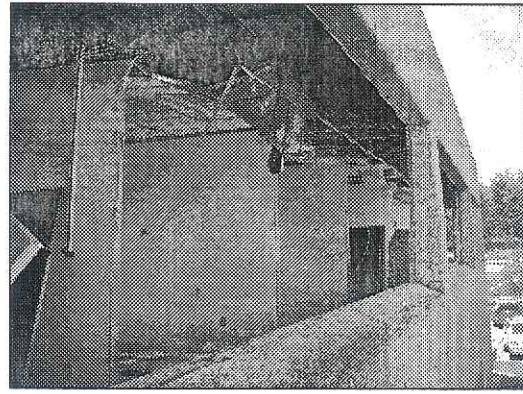
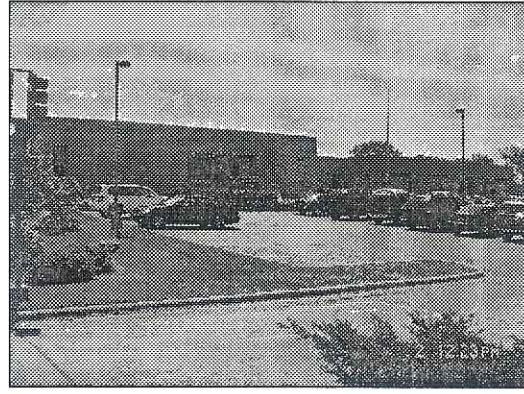
Smart Motors
 New Toyota Facility
 5901 Odana Road
 Madison, WI 53719

Sullivan
 DESIGN BUILD / GENERAL CONTRACTORS
 P.O. BOX 259463, 5114 E. FALL ST., MADISON, WI 53725-9463
 TEL: 608-267-2889 FAX: 608-267-2888

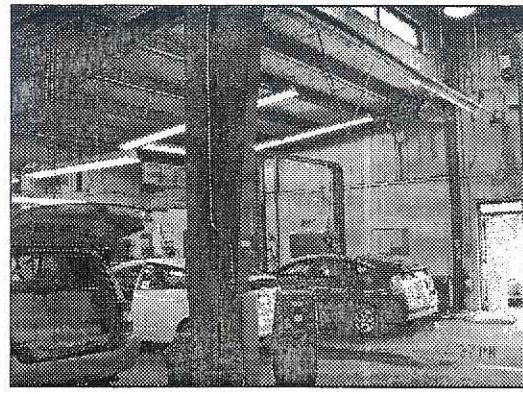
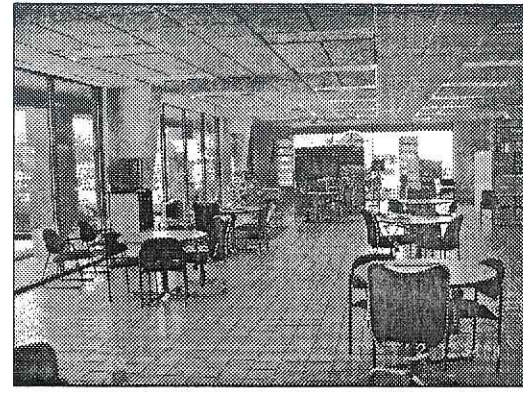
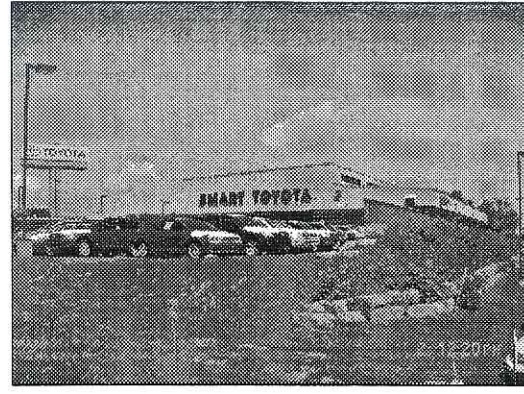
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 DRAWN BY: AFF/RDQ
 DATE: 8/01/06

SHEET: **SP-6**
 PROJ. # PROJ106

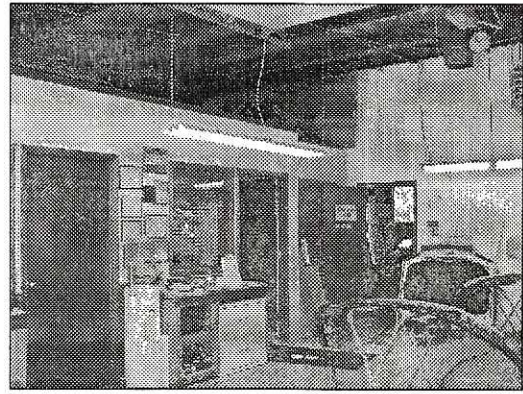
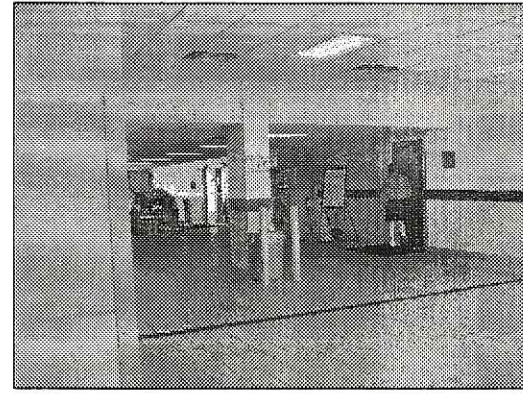
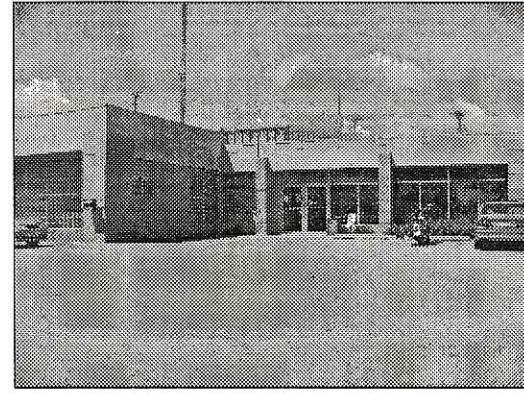
WEST BELTLINE HIGHWAY



EXISTING WI HOSPITAL ASSOCIATION BUILDING TO BE DEMOLISHED



EXISTING SMART TOYOTA BUILDING TO BE DEMOLISHED



EXISTING SMART VOLVO BUILDING TO BE DEMOLISHED

REVISIONS



Smart Motors
 New Toyota Facility
 5901 Odana Road
 Madison, WI 53719

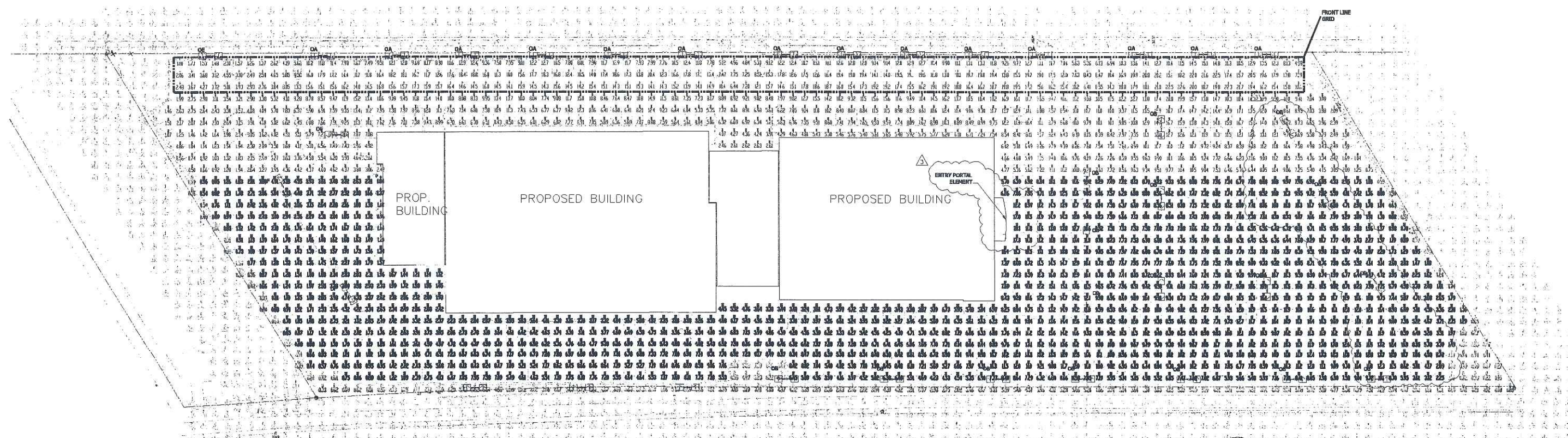
Henneth f. Sullivan CO
 DESIGN BUILD CONTRACTORS
 GENERAL CONTRACTORS
 P.O. BOX 259463 1314 EMIL ST. MADISON, WI 53725-9463
 608-257-2869
 608-257-2906

DRAWING NAME
 SITE PHOTOS
 DRAWN BY: JIMT
 DATE: 6-2-06

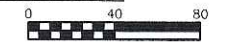
SHEET
SP-7
 PROJ # 206-069

C:\11\2006 10:06:00 Site Photos.mxd (1) copy right 2005 henrich f. Sullivan company

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1 Site Lighting Photometric Plan



DESIGN CRITERIA

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

"10.085(4)(d) 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.

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NO.	DESCRIPTION	QUANTITY	LAMPS
OA	KIM	2B/STX4/1000MH/HS	TWIN FORWARD THROW W/ INTERNAL GLARE SHIELD 20' ROUND STEEL POLE ON 2' CONCRETE BASE	14	M-1000 BT-37
	LSI	CHH-FT-1000MHR-F-HS	ARROW INDICATES DIRECTION OF ROTATED OPTIC		
OB	KIM	2B/STX4/1000MH/HS	TWIN FORWARD THROW W/ INTERNAL GLARE SHIELD 30' ROUND STEEL POLE ON 2' CONCRETE BASE	20	M-1000 BT-37
	LSI	CHH-FT-1000MHR-F-HS	ARROW INDICATES DIRECTION OF ROTATED OPTIC		
OC		NOT USED	NOT USED		
OD		NOT USED	NOT USED		
OE	KIM	2B/STL4/400MH/HS	TWIN FORWARD THROW W/ INTERNAL GLARE SHIELD 20' ROUND STEEL POLE ON 2' CONCRETE BASE	1	MVR400/U
	LSI	CHH-FT-400MH-F-HS	ARROW INDICATES DIRECTION OF ROTATED OPTIC		
OF	KIM	2B/STL4/400MH/HS	TWIN FORWARD THROW W/ INTERNAL GLARE SHIELD 30' ROUND STEEL POLE ON 2' CONCRETE BASE	3	MVR400/U
	LSI	CHH-FT-400MH-F-HS	ARROW INDICATES DIRECTION OF ROTATED OPTIC		

- NOTES
- ARROWS INDICATED ROTATION OF OPTICS WITHIN THE FIXTURE HOUSING.
 - ALL POLE MOUNTED FIXTURES SHALL HAVE FULL CUT-OFF OPTICS WITH FLAT GLASS LENSES.
 - TYPE OE & OF SHALL BE USED FOR EMPLOYEE PARKING AREAS ONLY.

POINT BY POINT CALCULATION SUMMARY

AREA NAME	AREA DESCRIPTION	AVERAGE	MAXIMUM	MINIMUM
FRONT LINE +	25% OR LESS OF PARKING LOT FOR VEHICLE SALES HORIZONTAL CALCULATION ON PAVEMENT VALUES LISTED ARE MAINTAINED FOOTCANDLES	12.3	22.6	0.6
MAIN LOT *	75% OF PARKING LOT FOR NEW AND USED VEHICLE SALES HORIZONTAL CALCULATION ON PAVEMENT VALUES LISTED ARE MAINTAINED FOOTCANDLES	7.1	20.1	0.4

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

REVISIONS:

7/12/2006	
7/19/06	UDC Revisions
8/16/06	EAST Lighting

Smart Motors
5901 Odana Road
Madison, WI 53719

2861 Index Road
Madison, WI 53713
608/271-2046
Fax 271-0160



Electric Construction Inc.
Electrical Design, Contracting & Consulting

JOB NUMBER
DRAWN BY: RAR
SCALE: 1" = 40'-0"
DATE: 6/6/06

SHEET
E-0a

11/2006 08:00:20 E18nt Model (1) Converter 20MS Kenneth F. Sullivan Company

STX 1000W Structural™
revision 04/01/04 • stx.pdf

KIM LIGHTING
Type: OC
Job: SMART MOTORS
Catalog number:

3T / STX4 / 1000MH277 / VSF-3T
Fig. Frame Electrical Module Finish Colors See page 7-9
See page 1 See page 3 See page 4-6

Select pole from Kim Pole Catalog. If pole is provided by others indicate O.D. for arm fitting.

Specifications
800 to 1000 watt
Mogul Base Lamps

**FORWARD THROW
FLAT GLASS TEMPERED LENS**

Housing: One-piece die-cast, low copper (< 0.6% Cu) aluminum with integral cooling fins on top surfaces above the optical chamber and electrical compartments. A solid barrier wall separates the optical and electrical compartments, with gasketed wire penetrations. A double-thick wall with gaskets is provided on the support arm mounting end. All hardware is stainless steel.

Lens Frame: One-piece die-cast, low copper (< 0.6% Cu) aluminum with a 1" minimum thickness around the gasket flange for rigidity. Integral hinges with stainless steel pins provide no-tool mounting and removal from the housing. Two stainless steel thumb-latches are recessed into the front corners, concealed from normal view. Lens frame seals against the housing by a one-piece extruded silicone gasket with vulcanized end closure. Clear 3/4" thick tempered flat glass is retained in the frame by eight clips with full silicone gasketing around the perimeter.

Reflector Module: Specular Alzak® optical segments are rigidly mounted in a die-cast, low copper (< 0.6% Cu) aluminum frame which attaches to the housing as a one-piece module with captive stainless steel screws. Reflector module is field-rotatable in 90° increments. All HPS and MH lamps use SKV mogul base sockets. Lamp is braced with a lamp vibration clamp. All sockets are factory provided with a quick-disconnect plug for the ballast module, with wires passing through a silicone gasket in the housing barrier wall. Four light distributors are available and interchangeable within the same housing size.

Electrical Module: All electrical components are UL and CSA recognized, mounted on a single plate and factory provided with quick-disconnect plugs. Electrical module attaches to the housing with no-tool hinges and latches, accessible by opening the lens frame. All ballasts are high power factor with starting temperatures of -40°F for HPS and -20°F for MH lamp modes.

Support Arms: One-piece extruded aluminum with internal bolt guides. Luminaire-to-pole attachment is by internal draw bolts, and includes a pole reinforcing plate with wire strain relief. For mounting to round poles, arm is circular cut for precise mating to the pole diameter.

Finish: Super TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness, applied over a Titanated Zirconium conversion coating; 2500 hour salt spray test endurance rating. Standard colors are Black, Dark Bronze, Light Gray, Platinum Silver, or White. Custom colors are available and subject to additional charges, minimum quantities and longer lead times. Consult representative.

CAUTION: Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

Listings and Ratings		
UL cUL 1598	G Vibration ¹	25C Ambient
IP66 Rated	CE	ISO 9001:2000
FCO Full Cut OIP (Flat Glass Lens Only)		

¹5K Cycle Tested
*UL Style Legislation Compliant

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STX 1000W Structural™
revision 04/01/04 • stx.pdf

KIM LIGHTING
Type: OC
Job: SMART MOTORS
Page: 2 of 9

Standard Features

Mounting
3Y is available for round poles only.

Plan View:

EPA: 3.5 7.0 4.5 8.0 8.0 8.5 -
Cat. No.: 1A 2B 2L 3T 3Y 4C 1W

Horizontal Lamp

Flat Lens
Light Distribution: Type II Type III Type IV Forward Throw Type V Square
Full Cutoff Full Cutoff Full Cutoff Full Cutoff
Cat. No.: STX2 STX3 STX4 STX5

Fixture
Cat. No. designates STX fixture and light distribution.
See the Kim Site/Roadway Optical Systems Catalog for detailed information on reflector design and application.

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STX 1000W Structural™
revision 04/01/04 • stx.pdf

KIM LIGHTING
Type: OC
Job: SMART MOTORS
Page: 3 of 9

Standard Features

Electrical Module
HPS = High Pressure Sodium
MH = Metal Halide
PMH = Pulse Start Metal Halide

Cat. Nos. for Electrical Modules available:

<input type="checkbox"/> 600HPS120	<input type="checkbox"/> 750HPS120	<input type="checkbox"/> 1000HPS120
<input type="checkbox"/> 600HPS208	<input type="checkbox"/> 750HPS208	<input type="checkbox"/> 1000HPS208
<input type="checkbox"/> 600HPS240	<input type="checkbox"/> 750HPS240	<input type="checkbox"/> 1000HPS240
<input type="checkbox"/> 600HPS277	<input type="checkbox"/> 750HPS277	<input type="checkbox"/> 1000HPS277
<input type="checkbox"/> 600HPS347	<input type="checkbox"/> 750HPS347	<input type="checkbox"/> 1000HPS347
<input type="checkbox"/> 600HPS480	<input type="checkbox"/> 750HPS480	<input type="checkbox"/> 1000HPS480

Lamp: T-16, Clear BT-37, Clear E-25, Clear
Socket: Mogul Base Mogul Base Mogul Base
ANSI Ballast Type: S-106 S-111 S-52

<input type="checkbox"/> 1000MH120	<input type="checkbox"/> 750PMH120	<input type="checkbox"/> 1000PMH120
<input type="checkbox"/> 1000MH208	<input type="checkbox"/> 750PMH208	<input type="checkbox"/> 1000PMH208
<input type="checkbox"/> 1000MH240	<input type="checkbox"/> 750PMH240	<input type="checkbox"/> 1000PMH240
<input checked="" type="checkbox"/> 1000MH277	<input type="checkbox"/> 750PMH277	<input type="checkbox"/> 1000PMH277
<input type="checkbox"/> 1000MH347	<input type="checkbox"/> 750PMH347	<input type="checkbox"/> 1000PMH347
<input type="checkbox"/> 1000MH480	<input type="checkbox"/> 750PMH480	<input type="checkbox"/> 1000PMH480

Lamp: BT-37, Clear BT-37, Clear BT-37, Clear
Socket: Mogul Base Mogul Base Mogul Base
ANSI Ballast Type: M-47 M-149 M-141

Finish
Super TGIC powder coat paint over a Titanated Zirconium conversion coating.

Color: Black Dark Bronze Light Gray Platinum Silver White Custom Colors
Cat. No.: BL-P DB-P LG-P PS-P WH-P CC-P

*Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description:

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revision 04/01/04 • stx.pdf

KIM LIGHTING
Type: OA, OB
Job: SMART MOTORS
Catalog number:

2B / STX4 / 1000MH277 / VSF-2B
Fig. Frame Electrical Module Finish Colors See page 7-9
See page 1 See page 3 See page 4-6

Select pole from Kim Pole Catalog. If pole is provided by others indicate O.D. for arm fitting.

Specifications
800 to 1000 watt
Mogul Base Lamps

**FORWARD THROW
FLAT GLASS TEMPERED LENS**

Housing: One-piece die-cast, low copper (< 0.6% Cu) aluminum with integral cooling fins on top surfaces above the optical chamber and electrical compartment. A solid barrier wall separates the optical and electrical compartments, with gasketed wire penetrations. A double-thick wall with gaskets is provided on the support arm mounting end. All hardware is stainless steel.

Lens Frame: One-piece die-cast, low copper (< 0.6% Cu) aluminum with a 1" minimum thickness around the gasket flange for rigidity. Integral hinges with stainless steel pins provide no-tool mounting and removal from the housing. Two stainless steel thumb-latches are recessed into the front corners, concealed from normal view. Lens frame seals against the housing by a one-piece extruded silicone gasket with vulcanized end closure. Clear 3/4" thick tempered flat glass is retained in the frame by eight clips with full silicone gasketing around the perimeter.

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Electrical Module: All electrical components are UL and CSA recognized, mounted on a single plate and factory provided with quick-disconnect plugs. Electrical module attaches to the housing with no-tool hinges and latches, accessible by opening the lens frame. All ballasts are high power factor with starting temperatures of -40°F for HPS and -20°F for MH lamp modes.

Support Arms: One-piece extruded aluminum with internal bolt guides. Luminaire-to-pole attachment is by internal draw bolts, and includes a pole reinforcing plate with wire strain relief. For mounting to round poles, arm is circular cut for precise mating to the pole diameter.

Finish: Super TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness, applied over a Titanated Zirconium conversion coating; 2500 hour salt spray test endurance rating. Standard colors are Black, Dark Bronze, Light Gray, Platinum Silver, or White. Custom colors are available and subject to additional charges, minimum quantities and longer lead times. Consult representative.

CAUTION: Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

Listings and Ratings		
UL cUL 1598	G Vibration ¹	25C Ambient
IP66 Rated	CE	ISO 9001:2000
FCO Full Cut OIP (Flat Glass Lens Only)		

¹5K Cycle Tested
*UL Style Legislation Compliant

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KIM LIGHTING
Type: OA, OB
Job: SMART MOTORS
Page: 2 of 9

Standard Features

Mounting
3Y is available for round poles only.

Plan View:

EPA: 3.5 7.0 4.5 8.0 8.0 8.5 -
Cat. No.: 1A 2B 2L 3T 3Y 4C 1W

Horizontal Lamp

Flat Lens
Light Distribution: Type II Type III Type IV Forward Throw Type V Square
Full Cutoff Full Cutoff Full Cutoff Full Cutoff
Cat. No.: STX2 STX3 STX4 STX5

Fixture
Cat. No. designates STX fixture and light distribution.
See the Kim Site/Roadway Optical Systems Catalog for detailed information on reflector design and application.

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STX 1000W Structural™
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KIM LIGHTING
Type: OA, OB
Job: SMART MOTORS
Page: 3 of 9

Standard Features

Electrical Module
HPS = High Pressure Sodium
MH = Metal Halide
PMH = Pulse Start Metal Halide

Cat. Nos. for Electrical Modules available:

<input type="checkbox"/> 600HPS120	<input type="checkbox"/> 750HPS120	<input type="checkbox"/> 1000HPS120
<input type="checkbox"/> 600HPS208	<input type="checkbox"/> 750HPS208	<input type="checkbox"/> 1000HPS208
<input type="checkbox"/> 600HPS240	<input type="checkbox"/> 750HPS240	<input type="checkbox"/> 1000HPS240
<input type="checkbox"/> 600HPS277	<input type="checkbox"/> 750HPS277	<input type="checkbox"/> 1000HPS277
<input type="checkbox"/> 600HPS347	<input type="checkbox"/> 750HPS347	<input type="checkbox"/> 1000HPS347
<input type="checkbox"/> 600HPS480	<input type="checkbox"/> 750HPS480	<input type="checkbox"/> 1000HPS480

Lamp: T-16, Clear BT-37, Clear E-25, Clear
Socket: Mogul Base Mogul Base Mogul Base
ANSI Ballast Type: S-106 S-111 S-52

<input type="checkbox"/> 1000MH120	<input type="checkbox"/> 750PMH120	<input type="checkbox"/> 1000PMH120
<input type="checkbox"/> 1000MH208	<input type="checkbox"/> 750PMH208	<input type="checkbox"/> 1000PMH208
<input type="checkbox"/> 1000MH240	<input type="checkbox"/> 750PMH240	<input type="checkbox"/> 1000PMH240
<input checked="" type="checkbox"/> 1000MH277	<input type="checkbox"/> 750PMH277	<input type="checkbox"/> 1000PMH277
<input type="checkbox"/> 1000MH347	<input type="checkbox"/> 750PMH347	<input type="checkbox"/> 1000PMH347
<input type="checkbox"/> 1000MH480	<input type="checkbox"/> 750PMH480	<input type="checkbox"/> 1000PMH480

Lamp: BT-37, Clear BT-37, Clear BT-37, Clear
Socket: Mogul Base Mogul Base Mogul Base
ANSI Ballast Type: M-47 M-149 M-141

Finish
Super TGIC powder coat paint over a Titanated Zirconium conversion coating.

Color: Black Dark Bronze Light Gray Platinum Silver White Custom Colors
Cat. No.: BL-P DB-P LG-P PS-P WH-P CC-P

*Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description:

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REVISIONS



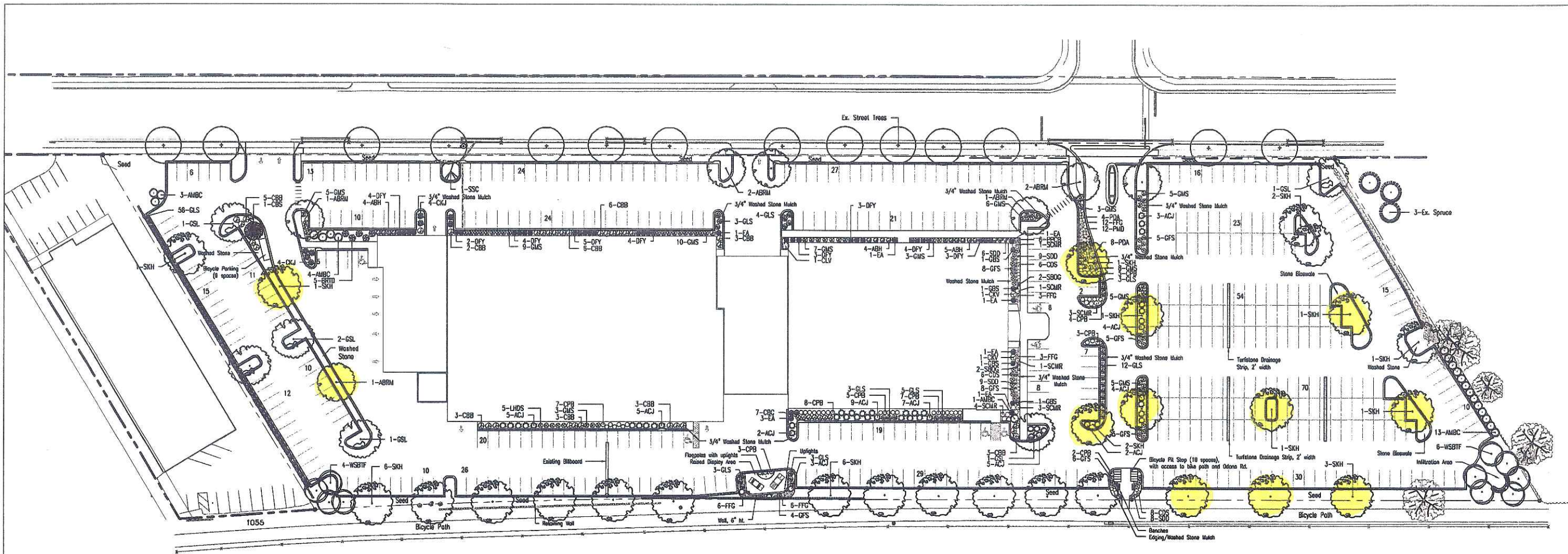
Smart Motors
New Toyota Facility
5901 Odana Road
Madison, WI 53719

Kenneth F. Sullivan CO.
DESIGN BUILD / CONTRACTORS
GENERAL CONTRACTORS
P.O. BOX 259463, 1314 E. MIL ST., MADISON, WI 53725-0463
608-257-2789
608-257-2306

DRAWING NAME: FIXTURES
DRAWN BY: JIMT
DATE: 7-10-06

SHEET E-1
FRZJ #

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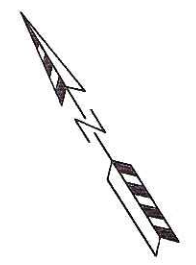


Quantity	Code Name	Common Name	Scientific Name	Planting Size
Broadleaf Deciduous				
7	ABRM	Autumn Blaze Red Maple	<i>Acer x freemanii</i> 'Autumn Blaze'	2"-2-1/2" B&B
10	WSBT	Whitespire Birch TF	<i>Betula platyphylla</i> 'Whitespire'	2"-2-1/2" B&B
27	SKH	Skyline Honeylocust	<i>Gleditsia triacanthos</i> 'Skyline'	2"-2-1/2" B&B
1	SSC	Spring Snow Crabapple	<i>Malus</i> 'Spring Snow'	1-3/4"-2" B&B
6	GLS	Green Spire Linden	<i>Tilia cordata</i> 'Green Spire'	2"-2-1/2" B&B
Conifer Evergreen				
8	CKJ	Compact Koley Juniper	<i>Juniperus chinensis</i> 'Compact Koley'	#5 CONT.
49	ACJ	Andorra Compact Juniper	<i>Juniperus horizontalis</i> 'Plumosa Compacta'	#3 CONT.
1	CBS	Colorado Blue Spruce	<i>Picea pungens</i> 'Glauca'	5'-6" B&B
4	GBS	Globe Blue Spruce	<i>Picea pungens</i> 'Glauca Globosa'	#5 CONT.
32	DFY	Densiformis Yew	<i>Taxus x media</i> 'densiformis'	24"-30" B&B
9	EA	Emerald Arborvitae	<i>Thuja occidentalis</i> 'Emerald'	4'-5" B&B
Shrub				
21	AMBC	Autumn Magic Black Chokeberry	<i>Aronia melanocarpa</i> 'Autumn Magic'	18"-24"
44	CPB	Crimson Pygmy Barberry	<i>Berberis thunbergii</i> 'Crimson Pygmy'	#3 CONT.
5	BRID	Bailey Red Twig Dogwood	<i>Cornus sericea</i> f. baileyi	3'-4'
7	CB	Cranberry cotoneaster	<i>Cotoneaster opiculatus</i>	#2 CONT.
34	CBB	Compact Burning Bush	<i>Euonymus alatus</i> 'compactus'	18"-24" B&B
13	ABH	Annabelle Hydrangea	<i>Hydrangea macrophylla</i> 'Annabelle'	#1 CONT.
5	LHDS	Little Henry Dwarf Sweetpire	<i>Itea virginiana</i>	#5 CONT.
94	GLS	Grow-Low Sumac	<i>Rhus aromatica</i> 'Gro-low'	#2 CONT.
13	SCMR	Scarlet Meidland Rose	<i>Rosa x Scarlet meidland</i>	18" Pot
41	GFS	Goldflame Spirea	<i>Spiraea japonica</i> 'goldflame'	18"-24" B&B
69	GMS	Goldmound Spirea	<i>Spiraea japonica</i> 'Goldmound'	15"-18"
2	CKV	Compact Korean Spica Viburnum	<i>Viburnum carlesii</i> 'compactum'	18"-24" B&B
1	CLV	Chicago Lustre Viburnum	<i>Viburnum dentatum</i> 'Chicago Lustre'	3'-4" B&B
Perennial				
12	PDA	Purple Dome Aster	<i>Aster novae-angiae</i> 'Purple Dome'	Qt.
30	FFG	Fantasia Gaillardia	<i>Gaillardia x grandiflora</i> 'Fantasia'	#1 CONT.
4	SBOG	Sapphire Blue Oat Grass	<i>Helictotrichon sempervirens</i> 'Sapphire'	#1 CONT.
32	SDD	Stella de Oro Daylily	<i>Hemerocallis</i> 'Stella de Oro'	Qt.
12	PLD	Pardon Me Daylily	<i>Hemerocallis</i> 'Pardon Me'	Qt.
6	PPCB	Palace Purple Coral Bellis	<i>Heuchera micrantha</i> 'Palace Purple'	#1 CONT.
20	CDS	Caradonna Sage	<i>Salvia nemorosa</i> 'Caradonna'	Qt.

LANDSCAPE POINTS - MADISON

NO. STALLS	520
NO. CANOPY TREES REQ.	29
NO. LANDSCAPE PTS. REQ.	1711
POINTS SUPPLIED	
CANOPY TREES 2"-2-1/2"	22 770
EVERGREEN TREES 3' Min	15 15
SMALL CANOPY OR ORNAMENTAL TREES 1 1/2"-2"	15 15
EVERGREEN SHRUB	5 102 306
DECIDUOUS SHRUB	2 349 698
DECORATIVE WALL OR FENCE (per 10 L.F.)	5 542 271
TOTAL PTS. SUPPLIED	2075

- Notes:
- All planting beds shall be edged with Dimex Black Vinyl Edging.
 - All planting beds shall be mulched with #1 Washed Stone Mulch to 3" depth over a fabric weed barrier.
 - All Trees in lawn areas are to be mulched with a 3' dia shredded bark mulch ring.
 - Lawn areas to be seeded with Homestead Premium seed, straw mulched and starter fertilizer applied.



LANDSCAPE PLAN

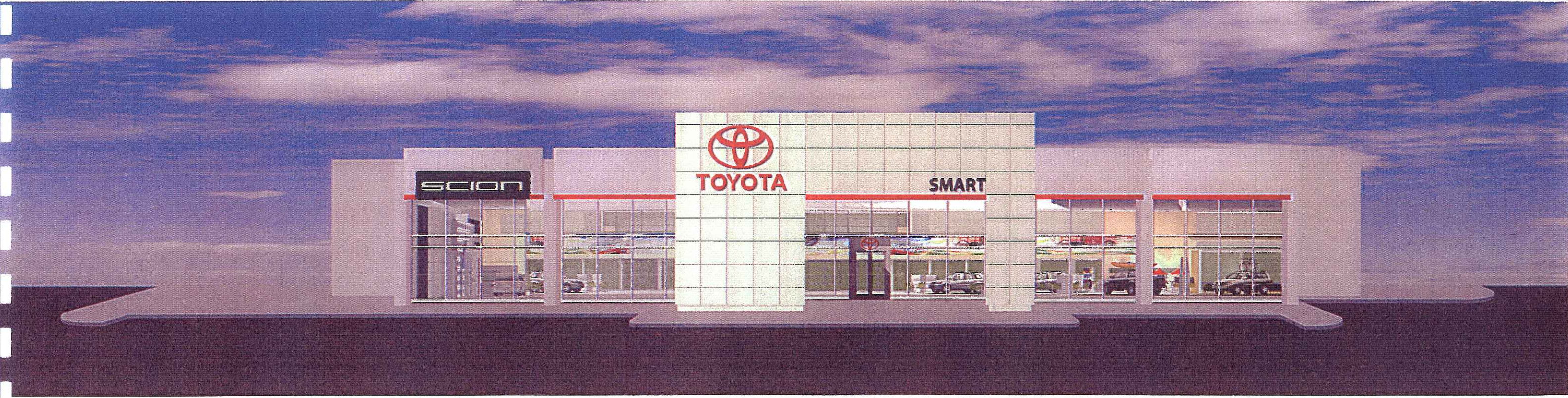
SCALE: 1" = 40'-0"
 DESIGN BY: PS/JH
 DATE: 5/31/06
 REVISION: 6/5/06
 REVISION: 7/11/06
 REVISION: 8/31/06

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TOYOTA FACILITY
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6433 NESSITT RD.
 MADISON, WI 53719
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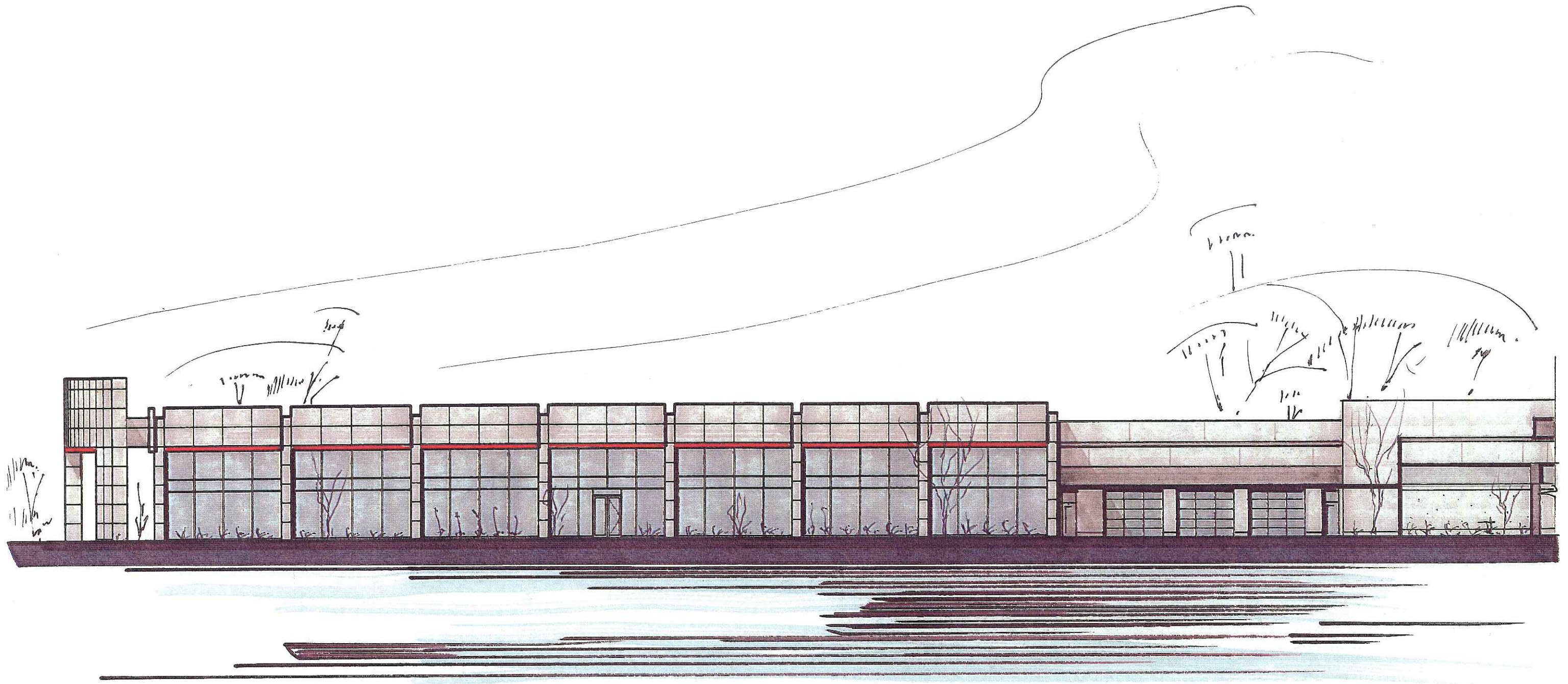


SHEET:
L-1



EAST ELEVATION - SMART MOTORS - MADISON

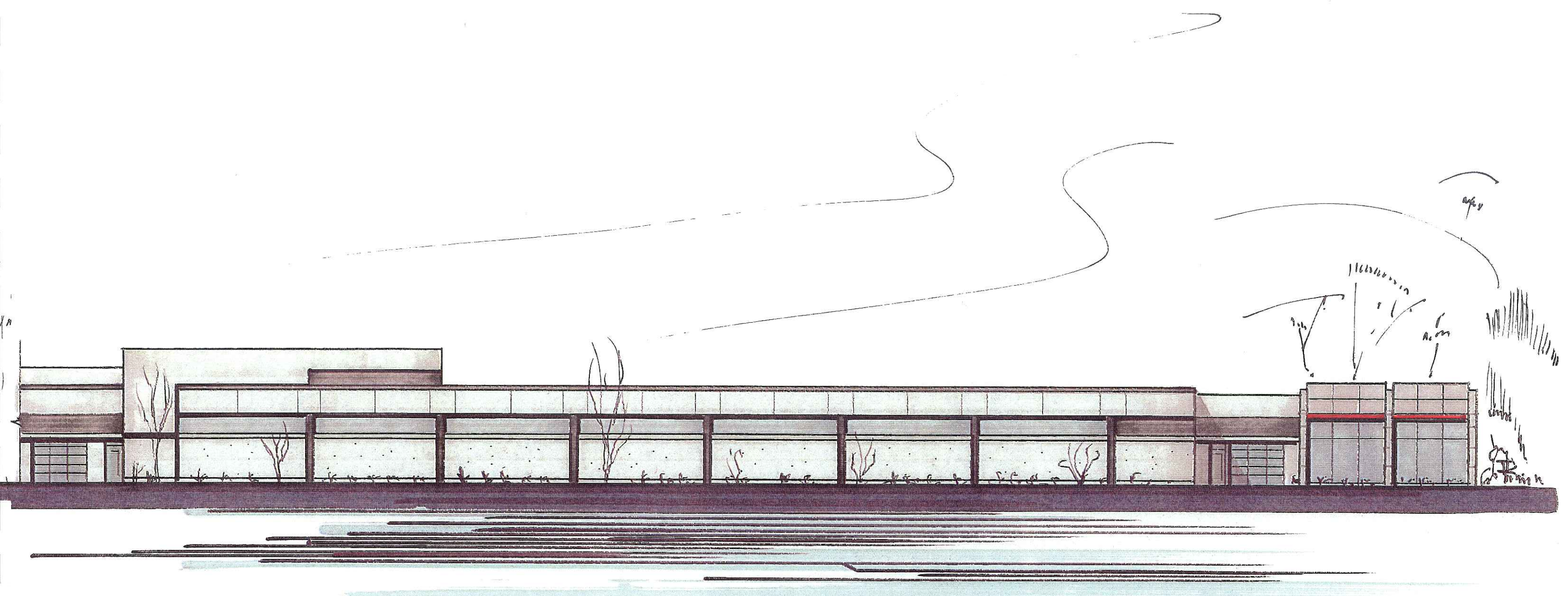
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PARTIAL NORTH ELEVATION - SMART MOTORS - MADISON

SCALE 1" = 20'

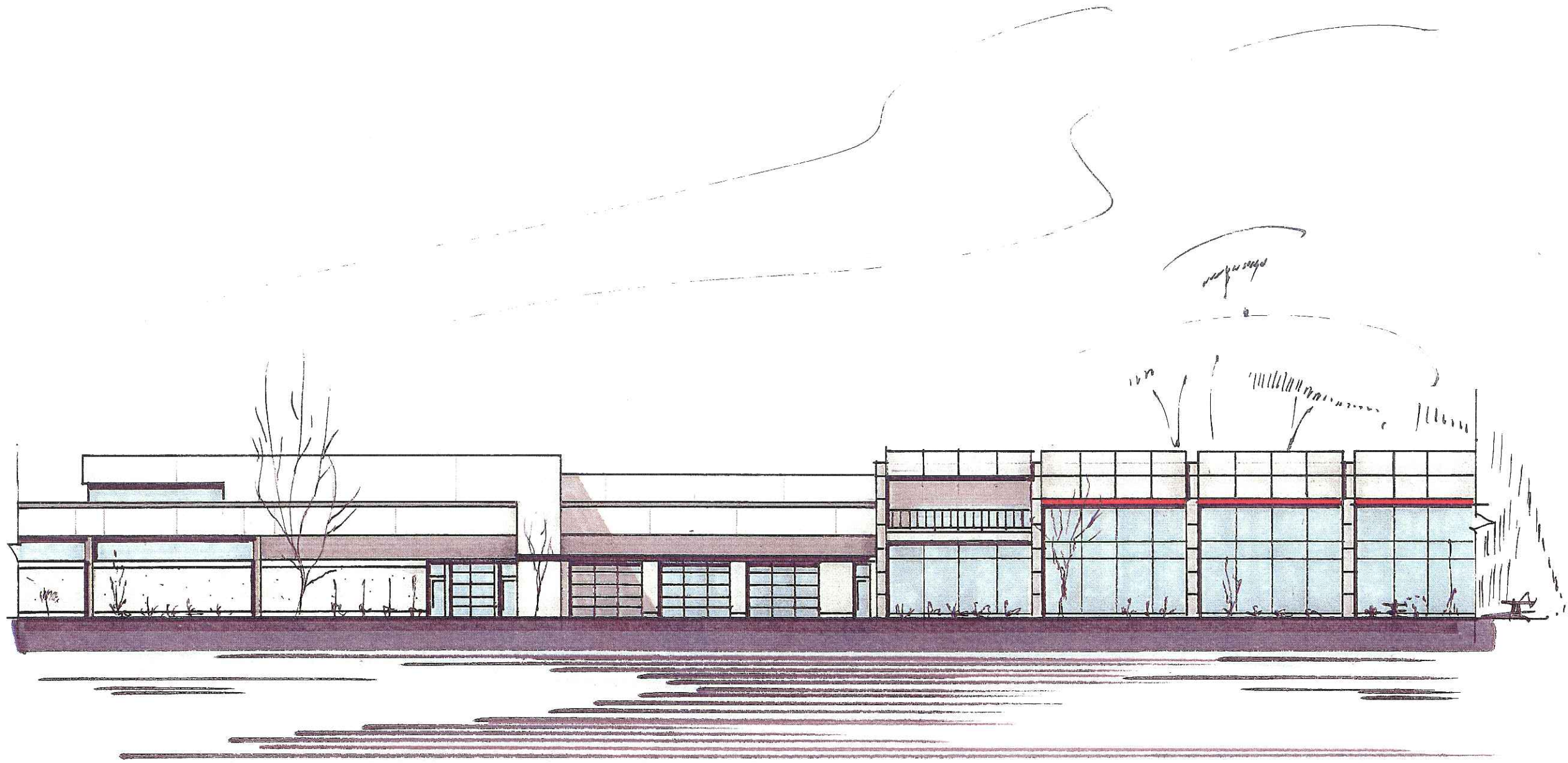
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PARTIAL NORTH ELEVATION - SMART MOTORS - MADISON

SCALE 1" = 20'

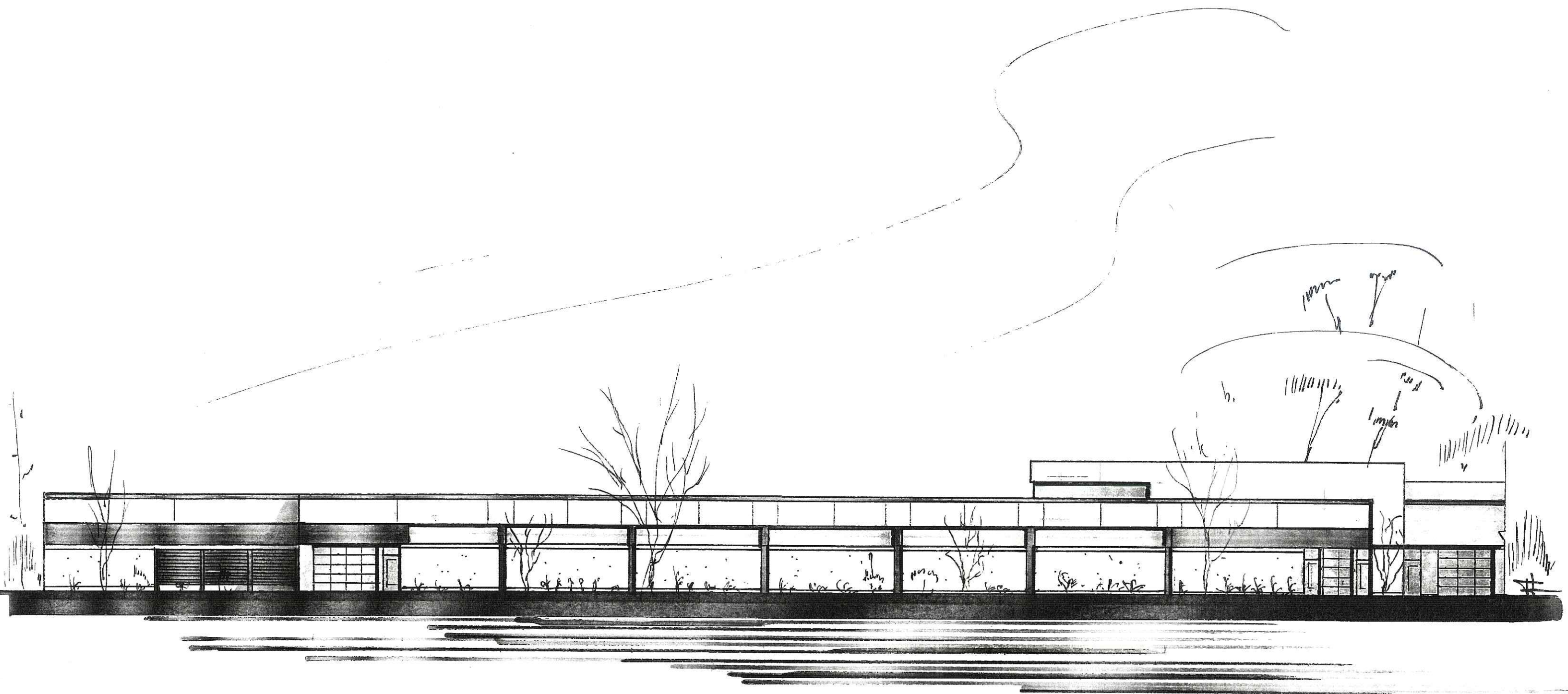
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PARTIAL SOUTH ELEVATION - SMART MOTORS - MADISON

SCALE 1" = 20'

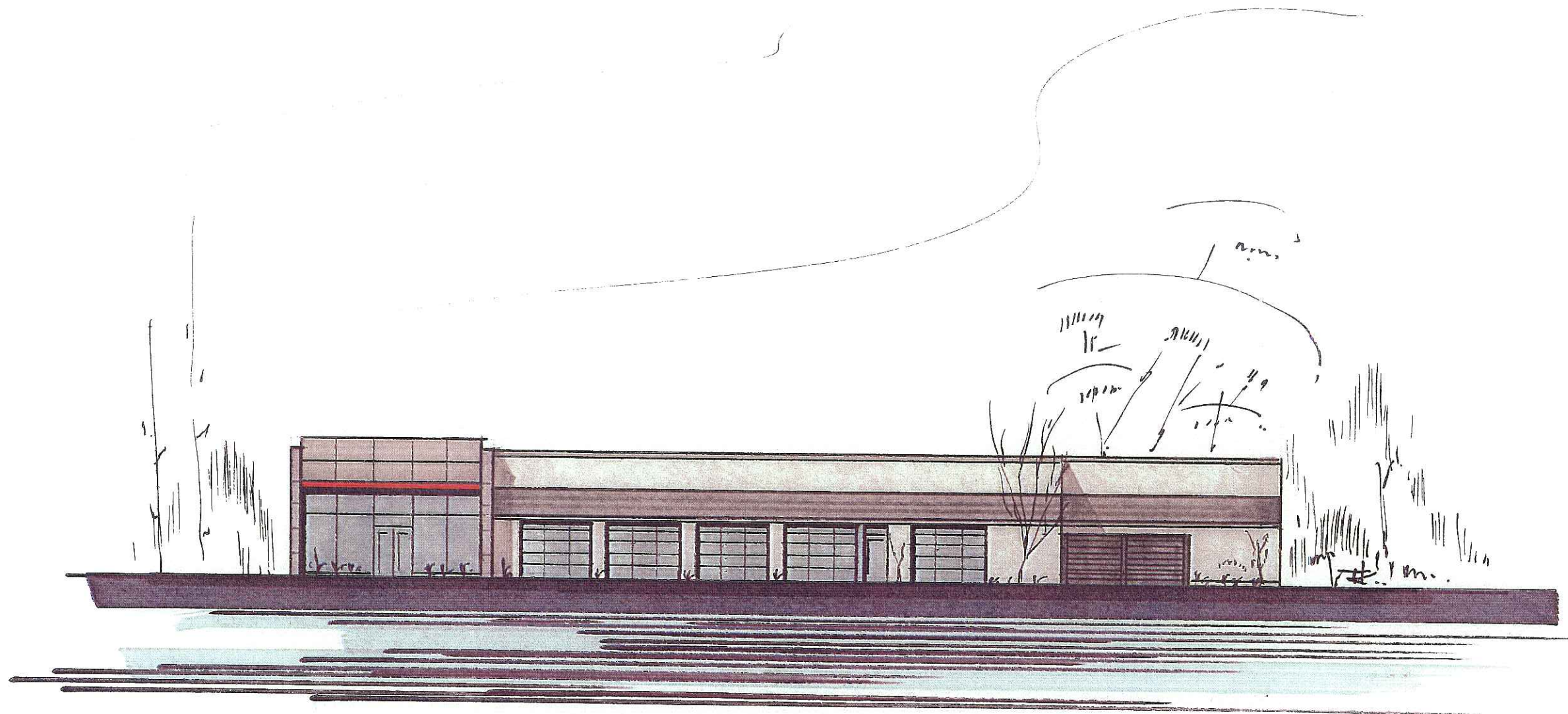
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PARTIAL SOUTH ELEVATION - SMART MOTORS - MADISON

SCALE 1" = 20'

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WEST ELEVATION - SMART MOTORS - MADISON

SCALE 1" = 20'

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