

**APPLICATION FOR  
URBAN DESIGN COMMISSION  
REVIEW AND APPROVAL**

**AGENDA ITEM # \_\_\_\_\_**  
**Project # \_\_\_\_\_**

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		<b>Action Requested</b>
DATE SUBMITTED:	<u>September 26, 2007</u>	<input type="checkbox"/> Informational Presentation
UDC MEETING DATE:	<u>October 3, 2007</u>	<input checked="" type="checkbox"/> Initial Approval and/or Recommendation
		<input checked="" type="checkbox"/> Final Approval and/or Recommendation

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PROJECT ADDRESS: South Point Road  
ALDERMANIC DISTRICT: 9

OWNER/DEVELOPER:  
City of Madison  
210 Martin Luther King, Jr. Blvd  
Madison, WI 53703

ARCHITECT/DESIGNER/OR AGENT:  
Plunkett Raysich Architects  
2310 Crossroads Dr. Suite 2000  
Madison, WI 53718

CONTACT PERSON: Steve Kieckhafer, AIA  
Address: Plunkett Raysich Architects  
2310 Crossroads Dr. Suite 2000  
Madison, WI, 53718  
Phone: 608-240-9900  
Fax: 608-240-9610  
E-Mail: skieckhafer@prarch.com

**TYPE OF PROJECT:**

(See Section A for:)

- Planned Unit Development (PUD)
  - General Development Plan (GDP)
  - Specific Implementation Plan (SIP)
- Planned Community Development (PRD)
  - General Development Plan (GDP)
  - Specific Implementation Plan (SIP)
- New Construction or Exterior Remodeling in an Urban Design District\*
- School, Public Building or Space
- Retail, Hotel or Motel Building Exceeding 40,000 SF.
- Planned Commercial Site

(See Section B for:)

- New Construction or Exterior Remodeling in C4 District

(See Section C for:)

- R.P.S.M. Parking Variance

(See Section D for:)

- Comprehensive Design Review\* (Fee required)
- Street Graphics Variance \* (Fee required)
- Other \_\_\_\_\_

\* Indicates Public Hearing Required (Submission Deadline 3 Weeks in Advance of Meeting Date)

Where fees are required (as noted above) they apply with the first submittal for either initial or final approval.

October 3, 2007

To: **Urban Design Commission**  
City of Madison  
Madison, WI

From: Madison Fire Department  
City of Madison  
Madison, WI

Re: New Fire Station No.12- South Point Rd.

### **Letter of Intent**

The City of Madison is proposing to construct a new building for the Madison Fire Department- Station No.12 located on South Point Rd, Madison, WI. The architect for the project is Plunkett Raysich Architects, LLP, Madison, WI.

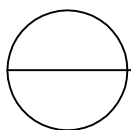
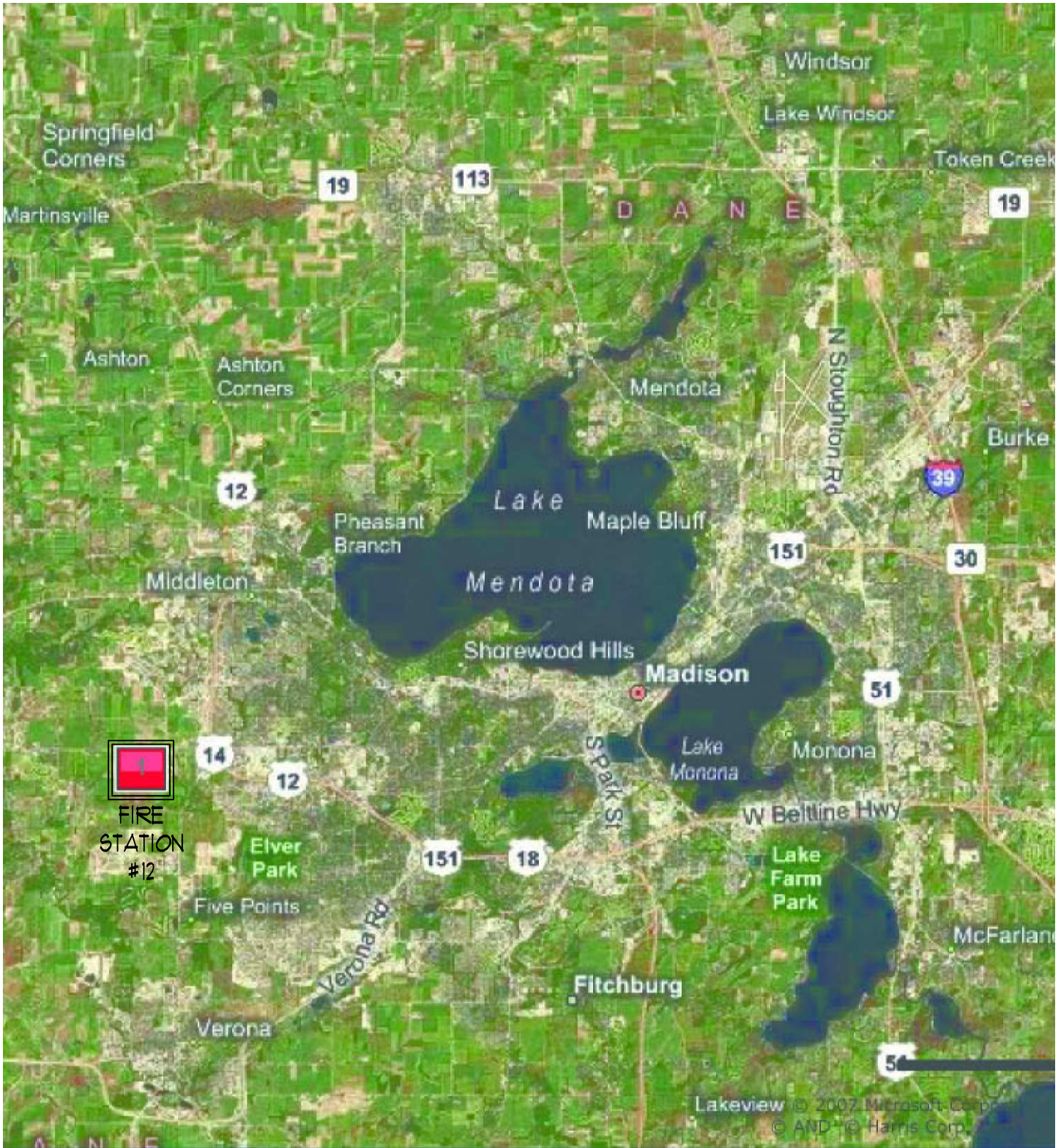
The new building is approximately 12,350 square feet devoted to the use of housing municipal fire fighting services to the community on a site that is approximately 2.53 acres. Off-street parking facilities will accommodate 20 total parking spaces with 1 accessible parking space. Bicycle and unloading space will also be provided. Initial staffing of the building will have a total of approximately 20 firefighter personnel (non-concurrent) with 5 firefighter personnel per shift. The building is designed to accommodate future staffing that will roughly double the initial totals. Also provided is a community room, rentable by the public, which can accommodate an additional 30 persons. Due to the function of the building, it will be occupied 24 hours a day.

For the function of trash removal and storage, a refuse/ recycling area with a perimeter wall screening dumpsters will be included at the rear of the building. The owner will provide snow removal for the sidewalks and the hard surface parking areas, which will be collected within the property. General maintenance equipment for the building will be stored on site in a maintenance storage room located within the building.

In addition, the building will incorporate many sustainable design features, materials, and equipment, as well as many construction period practices in pursuit of the United States Green Building Council's LEED Platinum Certification. This is the highest level of LEED certification, and will vastly decrease the energy and other natural resources used in the construction and ongoing operation of the building. A detailed list of these features is included in this submittal.

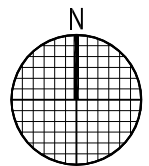
Construction of this project is scheduled to begin in early 2008 with the coordination and development of roadways and planned infrastructure.


Prepared by: Tom List, AIA  
Plunkett Raysich Architects, LLP  
Madison, WI



LOCATION MAP

NTS

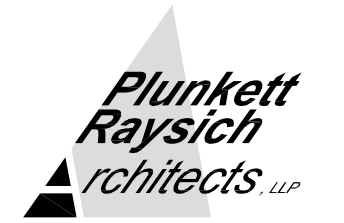


 <p><b>Plunkett Raysich Architects</b>          2310 Crossroads Dr., Suite 2000          Madison, WI 53718          FAX 608 240-9690          TEL 608 240-9900          Email: pra@prarch.com          Web: http://www.prarch.com</p>	<p><b>FIRE STATION #12</b>  <b>CITY OF MADISON</b>  <b>SOUTH POINT ROAD</b>  <b>MADISON, WISCONSIN</b></p>	<p>DATE  <b>10-3-07</b></p>	<p>JOB NUMBER  <b>07075</b></p>
		<p>DRAWN BY  <b>PJT</b></p>	<p>SHEET NUMBER</p>

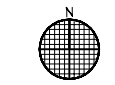
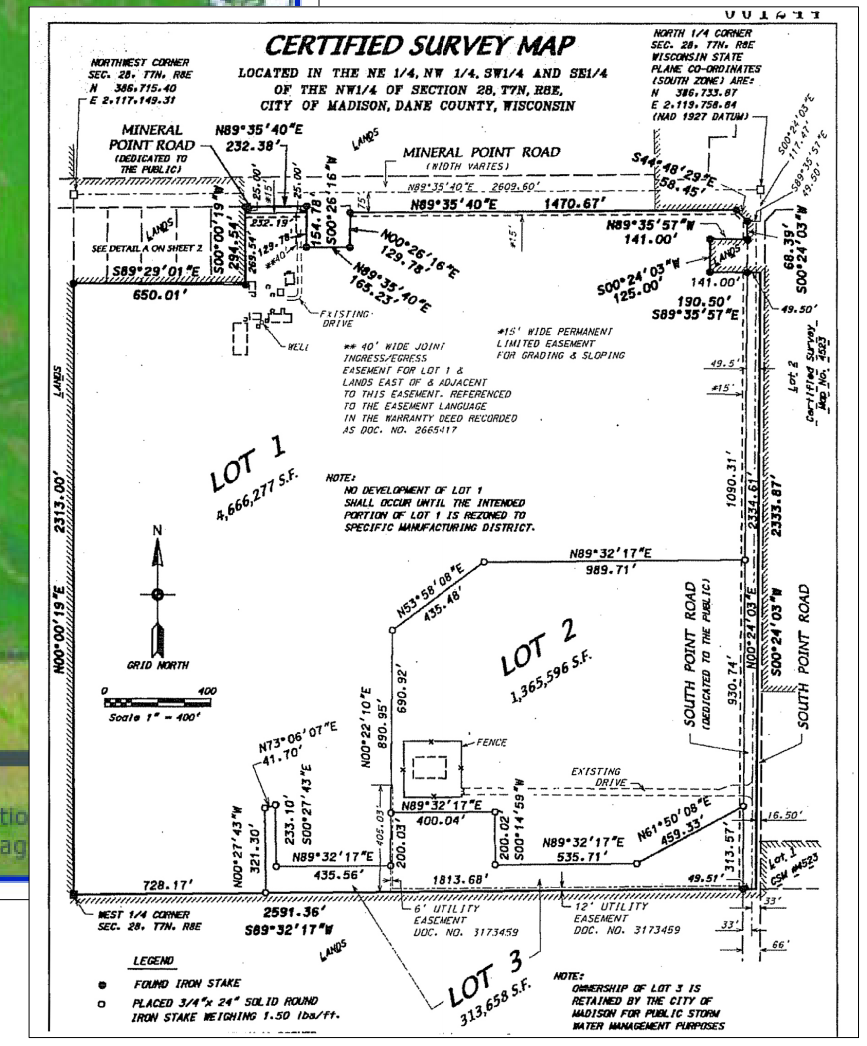


# MADISON FIRE STATION #12

SOUTH POINT ROAD



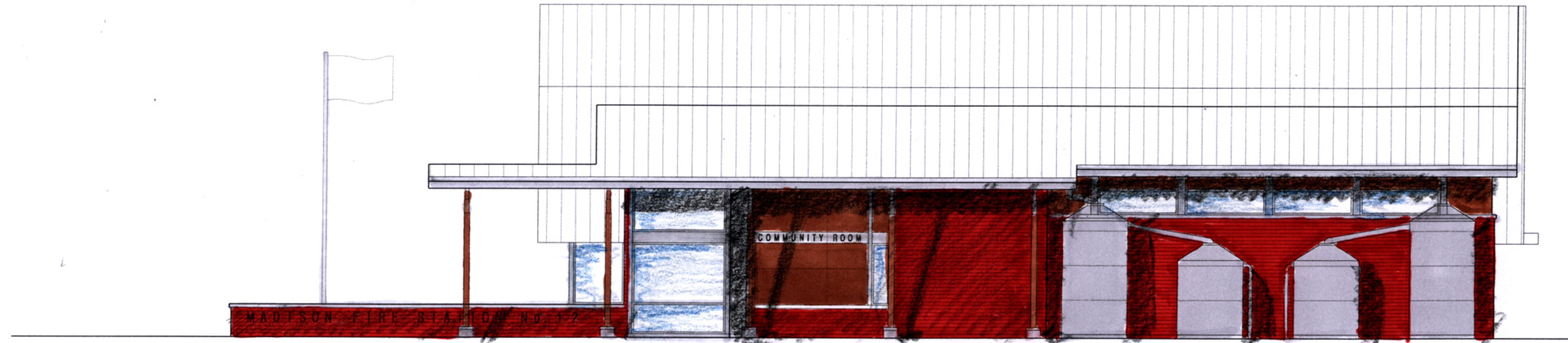
AREA PLAN SCALE = NTS





# MADISON FIRE STATION #12

SOUTH POINT ROAD



NORTH ELEVATION

SCALE = 3/32" = 1'-0"

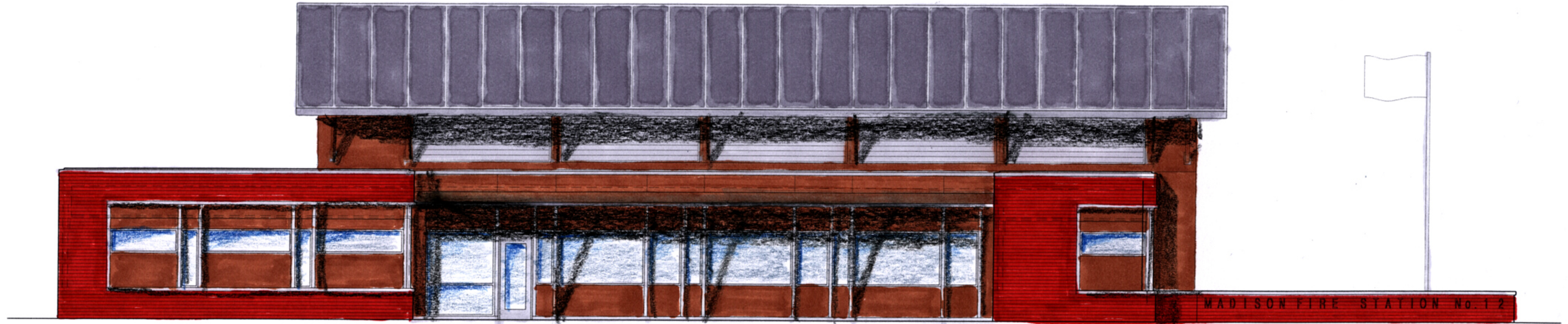


EAST ELEVATION

SCALE = 3/32" = 1'-0"

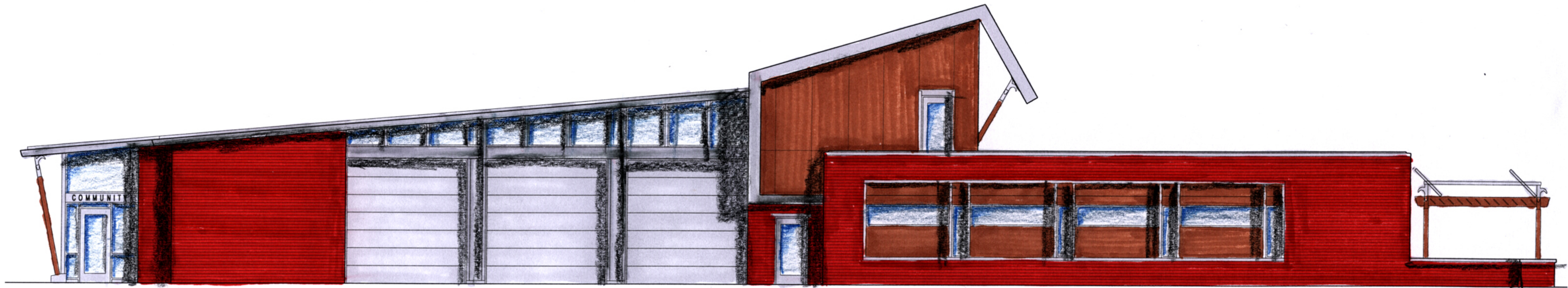


MADISON FIRE STATION #12  
SOUTH POINT ROAD



SOUTH ELEVATION

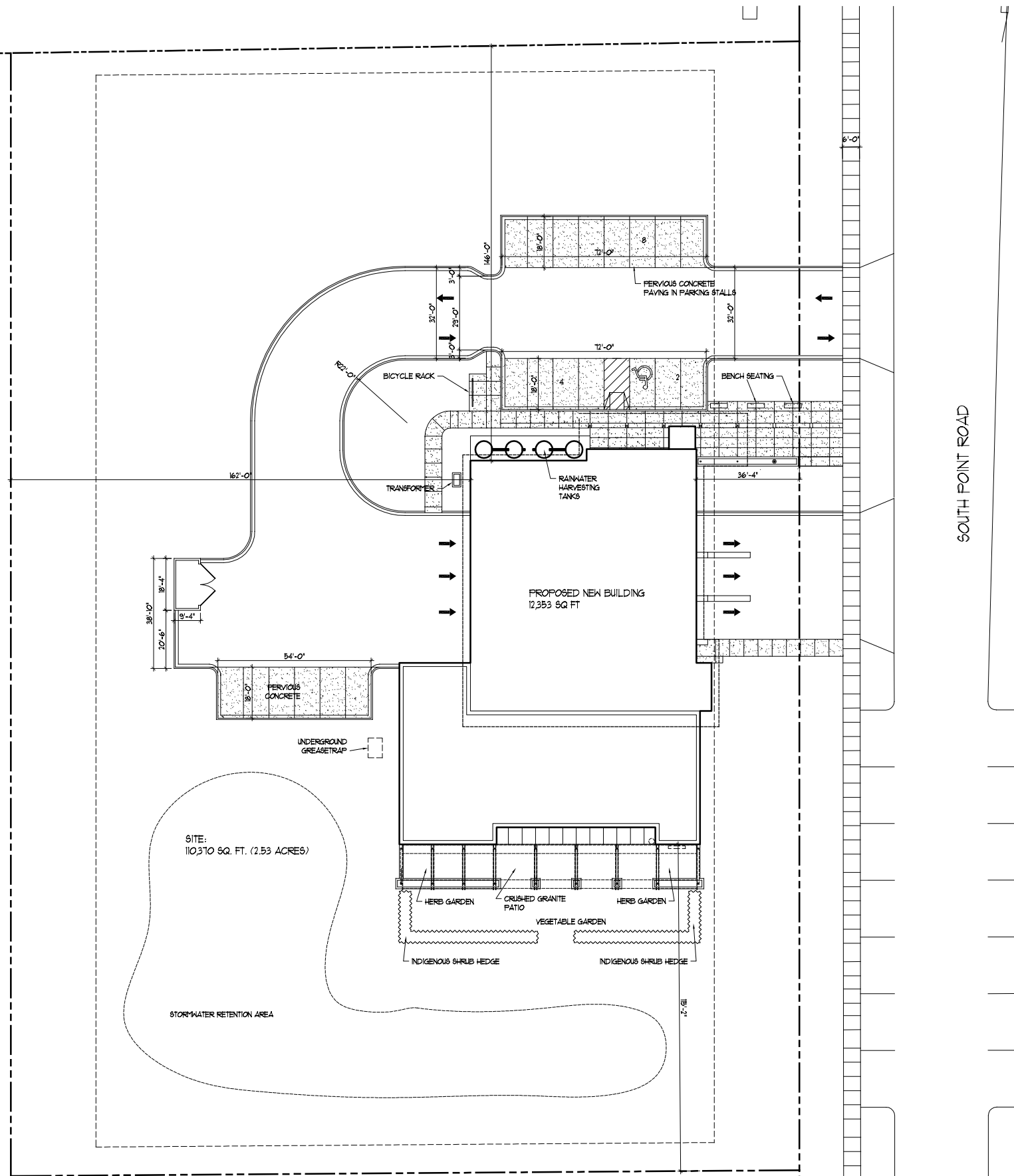
SCALE = 3/32" = 1'-0"



WEST ELEVATION

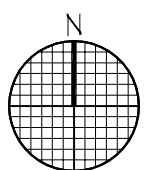
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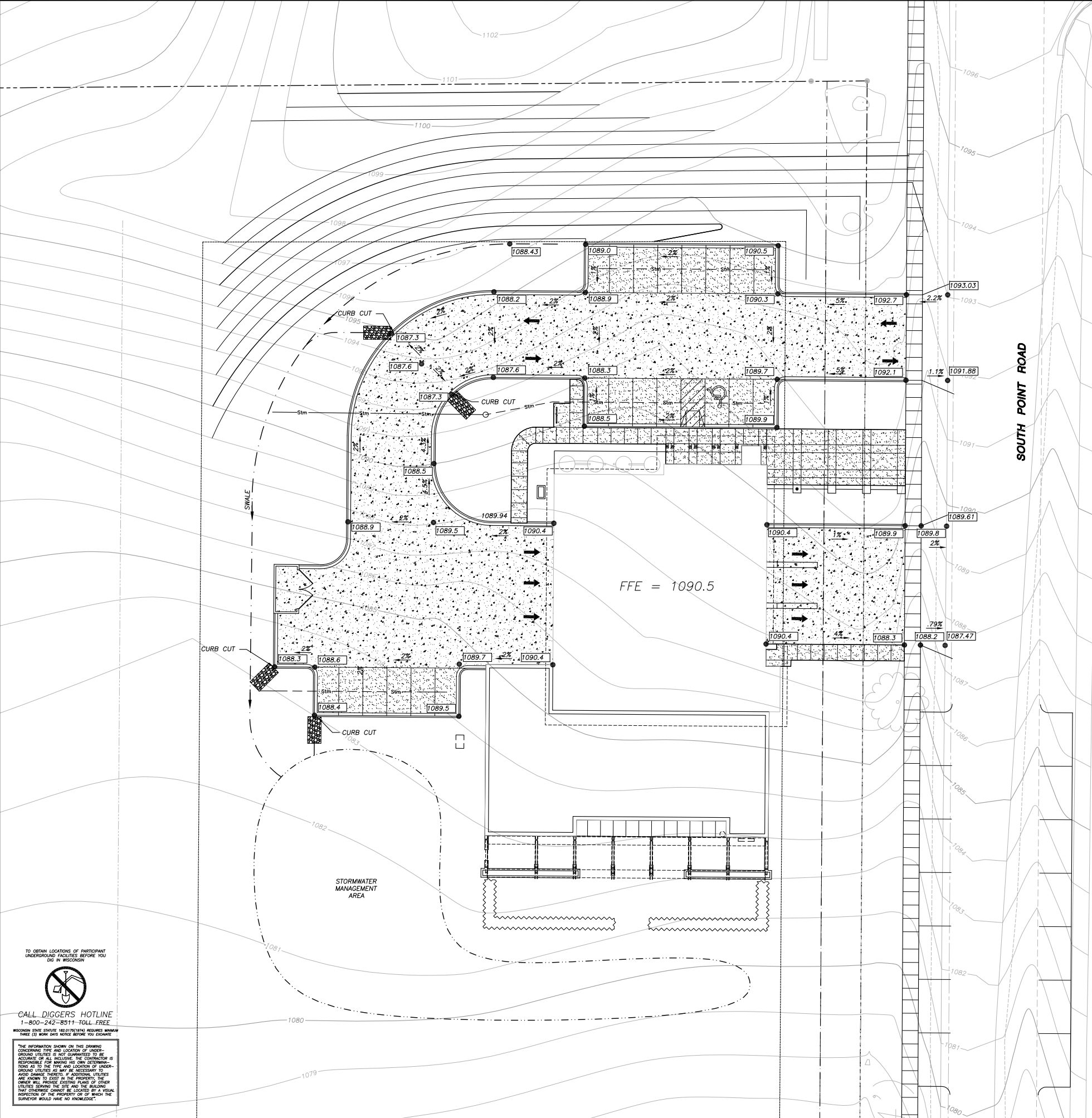
SITE PLAN

NTS



 <p><b>Plunkett Raysich Architects</b>          2310 Crossroads Dr., Suite 2000          Madison, WI 53718          FAX 608 240-9690          TEL 608 240-9900          Email: pra@prarch.com          Web: http://www.prarch.com</p>	<p>FIRE STATION #12          CITY OF MADISON          336 SOUTH POINT ROAD          MADISON, WISCONSIN</p>	<p>DATE 10/03/07</p>	<p>JOB NUMBER 07075</p>
	<p>DRAWN BY PJT</p>	<p>SHEET NUMBER</p>	

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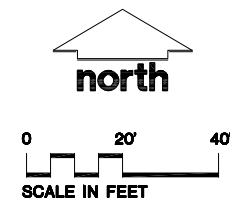
**LEGEND (PROPOSED)**

---	PROPERTY LINE
---	PROPOSED 1 FOOT CONTOUR
---	PROPOSED 5 FOOT CONTOUR
---	STORM SEWER
---	DRAIN TILE
---	DITCH LINE
---	RETAINING WALL BY OTHERS
---	18" CONCRETE CURB & GUTTER
---	CONCRETE PAVEMENT
---	PERVIOUS PAVEMENT
---	SILT FENCING
---	STONE BERM
---	SPOT ELEVATION
---	BC - BACK OF CURB
---	EP - EDGE OF PAVEMENT
---	SW - SIDEWALK

- GENERAL NOTES**
- REFER TO SHEET C-1.0 FOR EXISTING CONDITIONS NOTES AND LEGEND.
  - NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION.
  - ALL WORK IN THE ROW SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
  - EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION, MATCH EXISTING GRADES AT PROPERTY BOUNDARIES.

- CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS**
- ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION & SEDIMENT CONTROL TECHNICAL STANDARDS (FORMERLY REFERRED TO AS BMP'S). IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THESE STANDARDS.
  - INSTALL EROSION CONTROL MEASURES PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIALS AS SHOWN ON PLAN. MODIFICATIONS TO SEDIMENT CONTROL DESIGN MAY BE CONDUCTED TO MEET UNFORESEEN FIELD CONDITIONS IF MODIFICATIONS CONFORM TO WDRN TECHNICAL STANDARDS.
  - INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.
  - INSPECT EROSION CONTROL MEASURES AFTER EACH 1/2" OR GREATER RAINFALL. REPAIR ANY DAMAGE OBSERVED DURING THE INSPECTION.
  - EROSION CONTROL MEASURES SHALL BE REMOVED ONLY AFTER SITE CONSTRUCTION IS COMPLETE WITH ALL SOIL SURFACES HAVING AN ESTABLISHED VEGETATIVE COVER.
  - INSTALL A TRACKING PAD, 50' LONG AND NO LESS THAN 12" THICK BY USE OF 3" CLEAR STONE. TRACKING PADS ARE TO BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENT ONTO THE ADJACENT PUBLIC STREETS AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED BY THE CITY OF MADISON.
  - INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES.
  - INSTALL CHECK DAMS WITHIN DRAINAGE DITCHES IN ACCORDANCE WITH BMP'S.
  - EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.)
    - PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
    - BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
    - DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH THE DEWATERING TECHNICAL STANDARD NO. 1061 PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM, OR DRAINAGE DITCH.
  - STONE CHECK DAMS SHALL BE PLACED IN FRONT OF SILT FENCING IN ANY LOW AREA.
  - APPLY ANIONIC POLYMER TO DISTURBED AREAS IF EROSION BECOMES PROBLEMATIC.
  - ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY STATE INSPECTORS, LOCAL INSPECTORS, AND/OR ENGINEER SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
  - ALL SLOPES EXCEEDING 5:1 (20%) SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATTING OR APPLICATION OF A WDOT APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED. CONTRACTOR SHALL PROVIDE PRODUCT SPECIFICATIONS TO PROJECT ENGINEER FOR APPROVAL.
  - ALL STORM SEWER STRUCTURES SHALL HAVE INLET PROTECTION TYPE C. STANDARD DETAILS FOR INLET PROTECTION ARE LOCATED IN THE WISDOT FACILITIES DEVELOPMENT MANUAL (FDM), CHAPTER 16, SDD NUMBER 8E10-2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THE FDM.
  - CONTRACTOR/OWNER SHALL FILE A NOTICE OF TERMINATION UPON VEGETATIVE STABILIZATION AND/OR PROPERTY SALE IN ACCORDANCE WITH WDRN AND WDCOMM REQUIREMENTS.

- GRADING AND SEEDING NOTES**
- ALL DISTURBED AREAS SHALL BE SEEDING AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SEED MIX TO BE IN ACCORDANCE WITH CITY OF MADISON REQUIREMENTS.
  - CONTRACTOR TO USE A SEEDING RATE OF 3.5 LBS. PER 1000 S.F. FOR TURF AREAS.
  - ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
  - CONTRACTOR SHALL PROTECT ADJACENT PROPERTIES WITH SILT FENCING FOR EROSION CONTROL UNTIL CONSTRUCTION IS COMPLETED.
  - CONTRACTOR SHALL SCARIFY ALL COMPACTED PERVIOUS AREAS PRIOR TO SEEDING AND MULCHING.
  - CONTRACTOR SHALL CHISEL-PLOW OR DEEP TILL WITH DOUBLE TINES THE SWALES AND DETENTION AREAS JUST PRIOR TO SEEDING TO PROMOTE INFILTRATION.
  - CONTRACTOR SHALL WATER ALL NEWLY SEEDING AREAS DURING THE SUMMER MONTHS WHENEVER THERE IS A 7 DAY LAPSE WITH NO SIGNIFICANT RAINFALL.
  - CONTRACTOR TO LINE DRAINAGE SWALES WITH CLASS II, TYPE B EROSION MAT.
  - INSTALL CLASS II, TYPE B EROSION MATTING OVER TURF REINFORCEMENT MAT. SEPARATE MATTING WITH 3" MIN. TOPSOIL. SEED TOPSOIL PRIOR TO EROSION MAT INSTALLATION.



TO OBTAIN LOCATIONS OF PARTICIPANT UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN  
  
**CALL DIGGERS HOTLINE**  
 1-800-242-8511 TOLL FREE  
WISCONSIN STATE STATUTE (REGISTRATION) REQUIRES MINIMUM THREE (3) WORK DAYS NOTICE BEFORE YOU DIGGING.  
THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUDING THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THEREBY. IF ADDITIONAL UTILITIES ARE KNOWN TO EXIST IN THE PROPERTY, THE OWNER WILL PROVIDE EXISTING PLANS OF OTHER UTILITIES SERVING THE SITE AND THE BUILDING THAT OTHERWISE CANNOT BE LOCATED BY A VISUAL INSPECTION OF THE PROPERTY OR OF WHICH THE CONTRACTOR WOULD HAVE NO KNOWLEDGE.

**JSD** - Engineers - Surveyors  
**Jenkins Survey & Design, Inc.**  
 • PLANNING & DEVELOPMENT  
 • CIVIL ENGINEERING  
 • TRANSPORTATION ENGINEERING  
 • SURVEYING AND MAPPING  
 • CONSTRUCTION MANAGEMENT

**MADISON REGIONAL OFFICE**  
 161 Horizon Drive  
 Suite 101  
 Verona, Wisconsin 53593  
 (608) 848-5060

**MILWAUKEE REGIONAL OFFICE**  
 N22 W22931 Nancy Court  
 Suite 3  
 Waukesha, Wisconsin 53186  
 (262) 513-0666

PREPARED FOR:  
**PLUNKET RAYSICH ARCHITECTS, LLP**  
 2310 Crossroads Drive  
 Madison, WI 53718

PROJECT  
**FIRE STATION NO. 12**  
 452 South Point Road  
 Madison, Wisconsin

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.  
 These plans and designs are copyright protected and may not be used in whole or in part without the written consent of Jenkins Survey and Design, Inc.

ITEM	DATE
Drawn: ALH	09-12-07
Checked:	
Approved: HPU	
Schematic Design	09-18-07
UDC Submittal	09-25-07

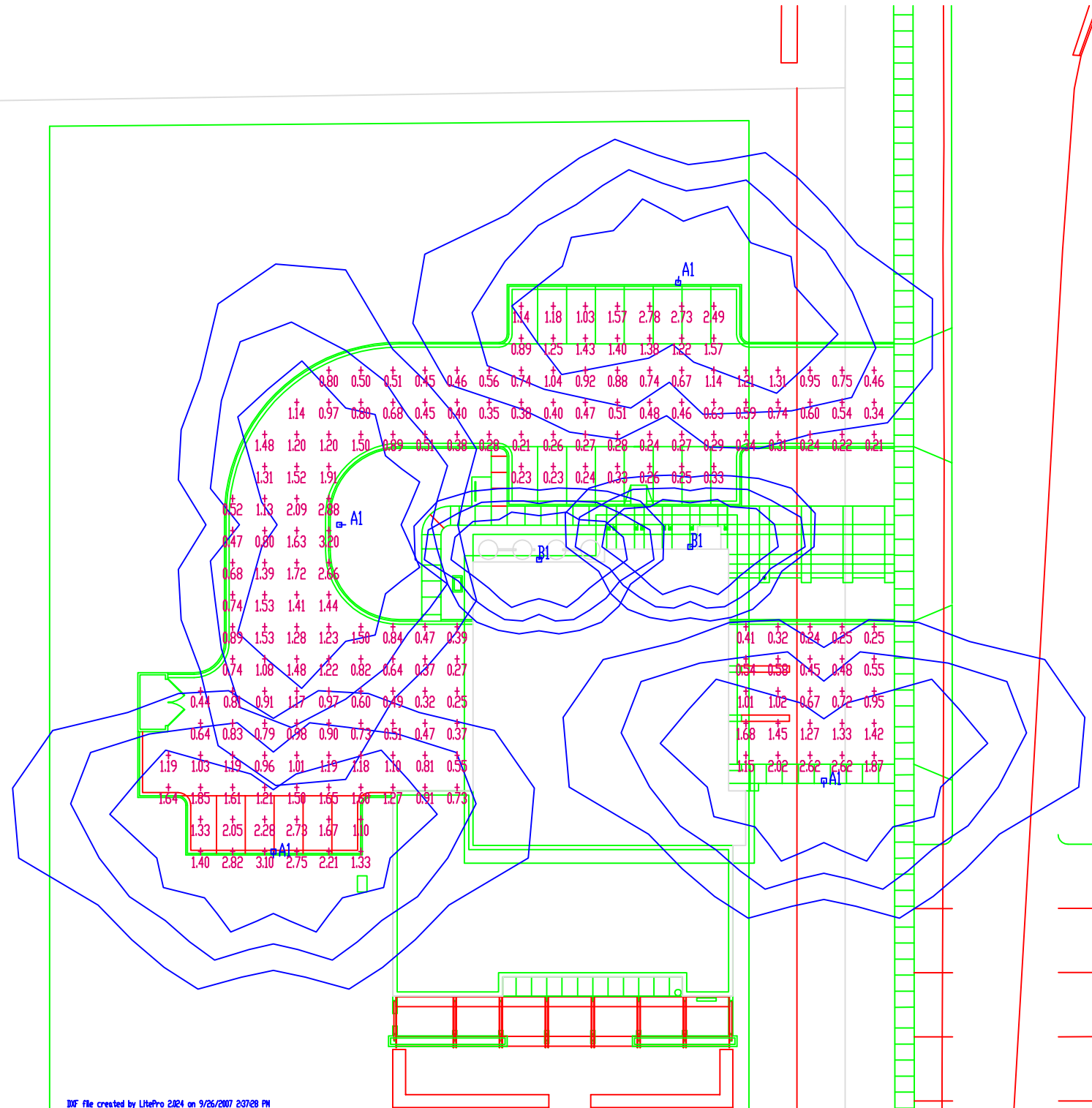
SEAL/SIGNATURE

SHEET TITLE  
**EROSION CONTROL AND GRADING PLAN**

SHEET NUMBER  
**C-2.0**

JSD PROJECT NUMBER  
 07-2854  
 JSD PROJECT FILE  
 Task 1  
 SCALE  
 1" = 20'





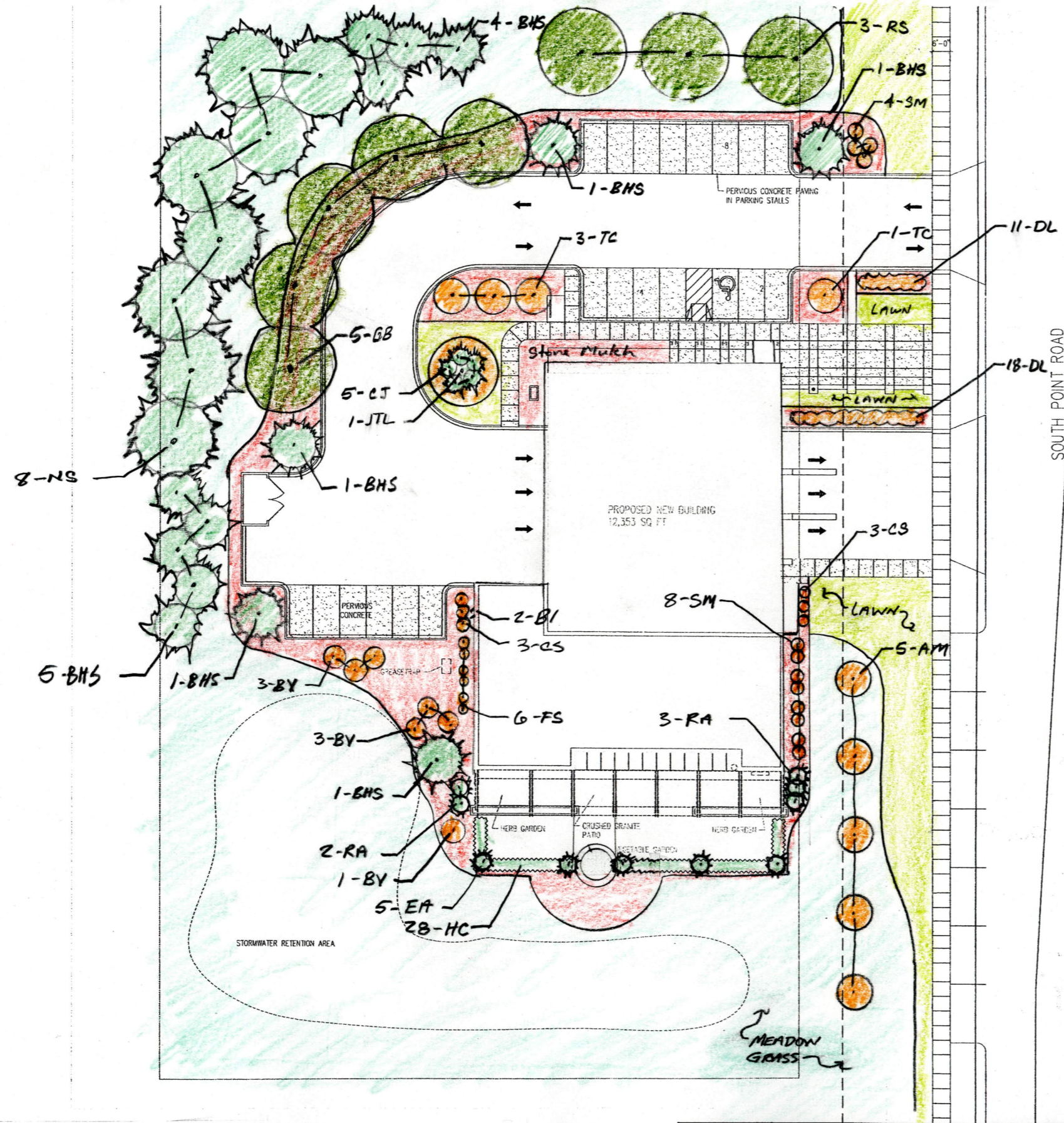
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CALCULATION SUMMARY									
AREA NAME	DIMENSIONS	GRID / TYPE	IN PTS	ISPC	GROUP	AVG	MAX	MIN	MAX/MIN/AVG/MIN
Parking	331.5629330ft	New Grid / H-H	188	10.00	(*)	1.320	2.821	0.210	13.09 / 4.77

LIGHTING SCHEDULE							
TYPE	SYMBOL	DESCRIPTION	LAMP	LUMENS	MOUNTING/HALLAST	HLF	QTY
A1	⬢	LYONIA LIGHT ⌀ 4"	⌀ HIES/U	1950		0.70	4
B1	⬢	LYONIA LIGHT ⌀ 2"	⌀ HIES/U/RED	850		0.70	2

AREA SUMMARY SCHEDULE					
AREA NAME	TYPE	DIMENSIONS	LUMS / SUSBS	WATS / SU FT	QTY
Parking	OUT	331.5629330ft	CAL > 0 GR > 0	0W	1

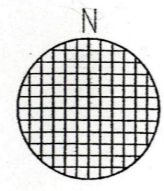




SOUTH POINT ROAD

Landscape Plan

1"=40'

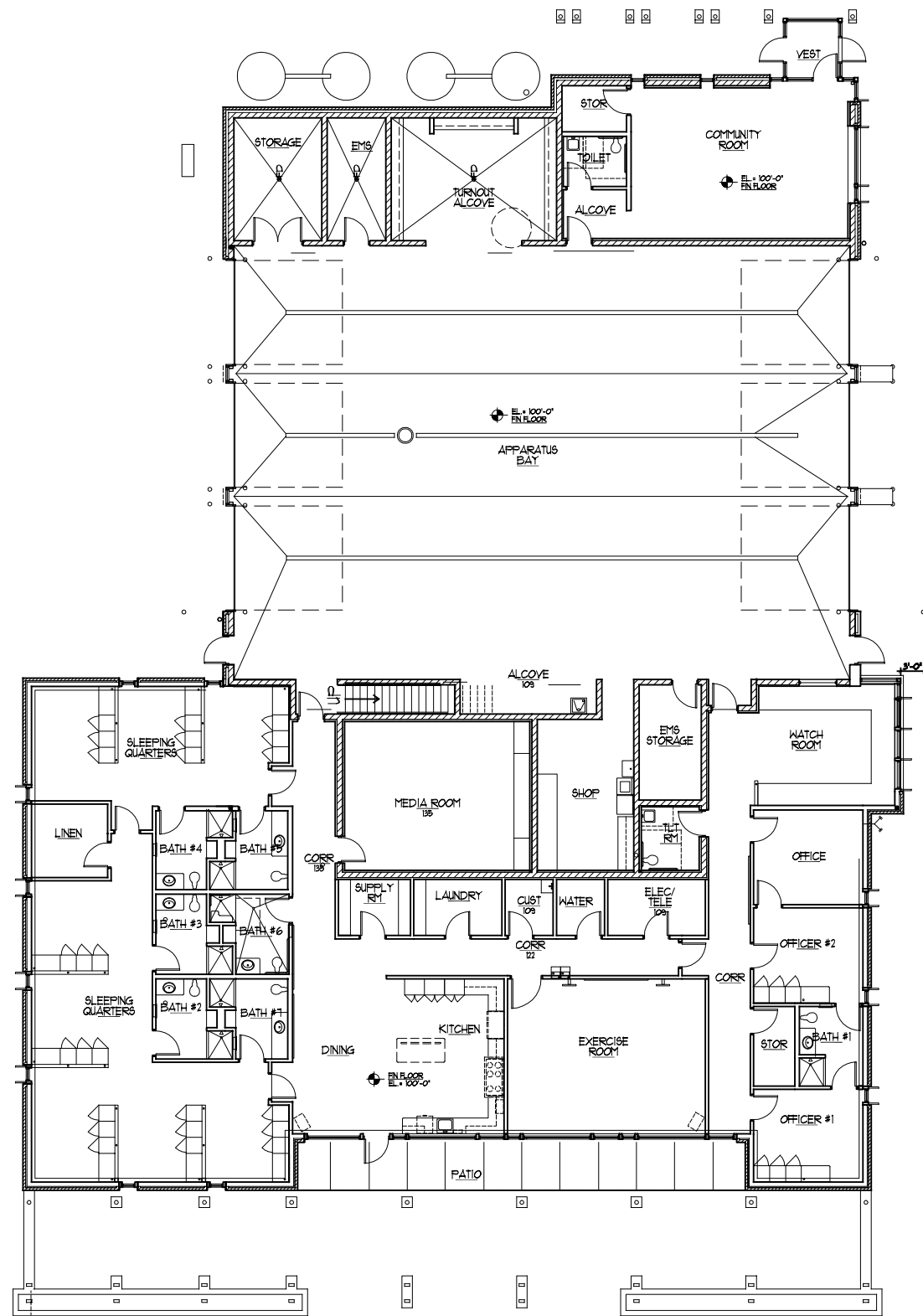


<b>Plunkett Raysich Architects</b> 2310 Crossroads Dr., Suite 2000 Madison, WI 53718 FAX 608 240-9690 TEL 608 240-9900 Email: pra@prarch.com Web: http://www.prarch.com	<b>FIRE STATION #12</b> <b>CITY OF MADISON</b> <b>336 SOUTH POINT ROAD</b> <b>MADISON, WISCONSIN</b>		DATE 09/26/07	JOB NUMBER 07075
	DRAWN BY RAH	SHEET NUMBER		



## PLANT DATA CHART

PLANT CODE	COMMON NAME	SCIENTIFIC NAME	TYPE	AVG. MATURE HEIGHT	SIZE WHEN PLANTED	ROOT ZONE MODE	MINIMUM SIZE				FERT. PACK. REQ'D	MULCH RING DIA.	Comments
							MIN. BALL OR POT		MIN. HOLE SIZE				
							MIN.	MIN.	MIN. HOLE	MIN. HOLE			
							CONT.	CONT.					
							SIZE	DEPTH	DIA.	DEPTH			
<b>LARGE GROWING DECIDUOUS TREES</b>													
SH	Honeylocust	Gleditsia tricanthos inermis 'Shademaster'	1	35'	3"Cal.	B&B	32"	20"	44"	20"	--	48"	
GB	Ginkgo	Ginkgo biloba 'Autumn Gold'	1	70'	3"Cal.	B&B	32"	20"	44"	20"	4	56"	
RS	Red Sunset Maple	Acer rubrum 'Red Sunset'	1	50'	2.5" Cal	B&B	28"	19"	40"	19"	3	48"	
AM	Flame Amur Maple	Acer ginnala 'Flame'	3	20'	1.5"Cal.	B&B	20"	15"	32"	16"	3	Bed	Tree Form
TC	Flowering Crabapple	Malus 'Tina'	3	18'	1.5"Cal.	B&B	20"	15"	32"	16"	3	Bed	
JTL	Japanese Tree Lilac	Syringa Reticulata	3	25'	2" Cal.	B&B	24"	16"	36"	16"	3	Bed	Tree Form
<b>DECIDUOUS SHRUBS</b>													
BH	Blackhaw Viburnum	Viburnum prunifolium	4	15'	5'	B&B	16"	12"	28"	16"	2	Bed	
BV	Burkwood Viburnum	Viburnum Burkwoodii	3	10' HT	3' HT	B&B	12"	9"	24"	9"	2	36"	
KSV	Koreanspice Viburnum	Viburnum carleii	3	5'	3' HT	B&B	16"	12"	28"	12"	2	Bed	
HC	Hedge Cotoneaster	Cotoneaster lucidus	3	6'	30"	B&B	12"	9"	24"	12"	2	Bed	
CS	Crispa Spirea	Spiraea japonica 'Crispa'	1	12" HT	12" HT	POT	12"	14"	24"	17"	--	--	
SM	Snowmound Spirea	Spiraea nipponica 'Snowmound'	3	3-5' HT	30" HT	B&B	12"	14"	24"	17"	--	--	
FS	Fritschiana Spirea	Spiraea fritschiana	1	2-3' HT	24" HT	POT	12"	14"	24"	17"	--	--	
SS	Staghorn Sumac	Rhus typhina 'Dissecta'	3	10'	3' HT	B&B	12"	10"	24"	12"	1	--	
<b>EVERGREEN TREES</b>													
RA	Rosenthalii Arborvitae	Thuja occidentalis 'Rosenthalii'	4	10'	5' HT	B&B	20"	13"	32"	13"	3	--	
EA	Emerald Arborvitae	Thuja occidentalis 'Smaragd'	4	14'	6' HT	B&B	22"	15"	34"	15"	3	--	
BHS	Black Hills Spruce	Picea glauca 'Densata'	4	30'	6' HT	B&B	26"	16"	36"	18"	2	Bed	
NS	Norway Spruce	Picea abies	4	60'	8'	B&B	27"	18"	39"	18"	--	--	
<b>EVERGREEN SHRUBS</b>													
CJ	Calgary Carpet Juniper	Juniperus sabina 'Calgary Carpet'	5	12"	3Gal.	Cont.	24"	14"	36"	16"	2	Bed	
<b>PERENNIALS</b>													
DL	Tiger Lily	Lilium tigrinum	1	2'	12"	Pot	12"	10"	24"	12"	1	--	
<b>GROUND COVERS &amp; VINES</b>													
BI	Boston Ivy	Parthenocissus tricuspidata	Vine	--	2 YR	POT	1 Gal	--	--	--	--	Bed	



**SUSTAINABLE STRATEGIES FOR LEED CERTIFICATION:**

**SITE ITEMS:**

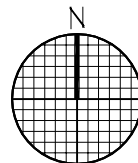
- HOLD PARKING NUMBERS TO ZONING REQUIREMENTS ONLY.
- DEDICATE (1) STALL TO ALTERNATIVE FUEL VEHICLES.
- ON-SITE STORMWATER DETENTION AREA.
- MAINTAIN VEGETATED OPEN SPACE.
- CONCRETE PAVING TO REDUCE HEAT ISLAND EFFECT.
- NO POTABLE WATER USED FOR LANDSCAPE IRRIGATION.
- RAINWATER HARVESTING SYSTEM FOR IRRIGATION.

**BUILDING ITEMS:**

- WHITE STANDING SEAM METAL ROOF & GREEN ROOF.
- PHOTO VOLTAIC PANELS AS SUN SCREENS OVER THE PATIO AND SOLAR HOT WATER PANELS IN ROOF SYSTEM.
- EXTERIOR SUN SHADES AND TINTED GLAZING TO CONTROL HEAT GAIN.
- DAYLIGHT & VIEWS TO THE EXTERIOR IN ALL OCCUPIED ROOMS.
- BIO-BASED SPRAY FOAM INSULATION IN WALLS FOR HIGH R-VALUE (R-30+) AND TO STOP AIR INFILTRATION.
- RADIANT FLOOR HEATING IN APPARATUS BAY AND SLEEPING QUARTERS.
- FULL BUILDING COMMISSIONING.
- DELIVERY AND MONITORING AN INCREASED AMOUNT OF OUTSIDE AIR.
- HIGH EFFICIENCY PLUMBING FIXTURES TO REDUCE WATER USE BY 40%.
- LOW VOC EMITTING MATERIALS.
- BUILDING MATERIALS TO HAVE A HIGH RECYCLED CONTENT AND COME FROM REGIONAL PRODUCERS.
- RECYCLE 75% (MIN) OF THE CONSTRUCTION WASTE GENERATED ON SITE.

FLOOR PLAN

NTS



<p><b>Plunkett Raysich Architects</b> 2310 Crossroads Dr., Suite 2000 Madison, WI 53718 FAX 608 240-9690 TEL 608 240-9900 Email: pra@prarch.com Web: http://www.prarch.com</p>	<p><b>FIRE STATION #12</b> CITY OF MADISON 336 SOUTH POINT ROAD MADISON, WISCONSIN</p>		<p>DATE 10/03/07</p>	<p>JOB NUMBER 07075</p>
			<p>DRAWN BY PJT</p>	<p>SHEET NUMBER</p>





# LEED for New Construction v2.2 Registered Project Checklist

Project Name: MADISON FIRE STATION #12

Yes	?	No			
11		3	<b>Sustainable Sites</b>		<b>14 Points</b>

Y						
			Prereq 1	<b>Construction Activity Pollution Prevention</b>		Required
1			Credit 1	<b>Site Selection</b>		1
		1	Credit 2	<b>Development Density &amp; Community Connectivity</b>		1
		1	Credit 3	<b>Brownfield Redevelopment</b>		1
		1	Credit 4.1	<b>Alternative Transportation</b> , Public Transportation Access		1
1			Credit 4.2	<b>Alternative Transportation</b> , Bicycle Storage & Changing Rooms		1
1			Credit 4.3	<b>Alternative Transportation</b> , Low-Emitting & Fuel-Efficient Vehicles		1
1			Credit 4.4	<b>Alternative Transportation</b> , Parking Capacity		1
1			Credit 5.1	<b>Site Development</b> , Protect or Restore Habitat		1
1			Credit 5.2	<b>Site Development</b> , Maximize Open Space		1
1			Credit 6.1	<b>Stormwater Design</b> , Quantity Control		1
1			Credit 6.2	<b>Stormwater Design</b> , Quality Control		1
1			Credit 7.1	<b>Heat Island Effect</b> , Non-Roof		1
1			Credit 7.2	<b>Heat Island Effect</b> , Roof		1
1			Credit 8	<b>Light Pollution Reduction</b>		1

Yes	?	No			
4		1	<b>Water Efficiency</b>		<b>5 Points</b>

1			Credit 1.1	<b>Water Efficient Landscaping</b> , Reduce by 50%		1
1			Credit 1.2	<b>Water Efficient Landscaping</b> , No Potable Use or No Irrigation		1
		1	Credit 2	<b>Innovative Wastewater Technologies</b>		1
1			Credit 3.1	<b>Water Use Reduction</b> , 20% Reduction		1
1			Credit 3.2	<b>Water Use Reduction</b> , 30% Reduction		1

12	5				
			<b>Energy &amp; Atmosphere</b>		<b>17 Points</b>

Y						
			Prereq 1	<b>Fundamental Commissioning of the Building Energy Systems</b>		Required
Y			Prereq 2	<b>Minimum Energy Performance</b>		Required
Y			Prereq 3	<b>Fundamental Refrigerant Management</b>		Required
7	3		Credit 1	<b>Optimize Energy Performance</b>		1 to 10
				10.5% New Buildings or 3.5% Existing Building Renovations		1
				14% New Buildings or 7% Existing Building Renovations		2
				17.5% New Buildings or 10.5% Existing Building Renovations		3
				21% New Buildings or 14% Existing Building Renovations		4
				24.5% New Buildings or 17.5% Existing Building Renovations		5
				28% New Buildings or 21% Existing Building Renovations		6
				31.5% New Buildings or 24.5% Existing Building Renovations		7
				35% New Buildings or 28% Existing Building Renovations		8
				38.5% New Buildings or 31.5% Existing Building Renovations		9
				42% New Buildings or 35% Existing Building Renovations		10
2	1		Credit 2	<b>On-Site Renewable Energy</b>		1 to 3
				2.5% Renewable Energy		1
				7.5% Renewable Energy		2
				12.5% Renewable Energy		3
1			Credit 3	<b>Enhanced Commissioning</b>		1
1			Credit 4	<b>Enhanced Refrigerant Management</b>		1
1			Credit 5	<b>Measurement &amp; Verification</b>		1
	1		Credit 6	<b>Green Power</b>		1

continued...

Yes ? No

**7** **6** **Materials & Resources** **13 Points**

Y	?	No	Prereq 1	<b>Storage &amp; Collection of Recyclables</b>	Required
		<b>1</b>	Credit 1.1	<b>Building Reuse</b> , Maintain 75% of Existing Walls, Floors & Roof	1
		<b>1</b>	Credit 1.2	<b>Building Reuse</b> , Maintain 100% of Existing Walls, Floors & Roof	1
		<b>1</b>	Credit 1.3	<b>Building Reuse</b> , Maintain 50% of Interior Non-Structural Elements	1
<b>1</b>			Credit 2.1	<b>Construction Waste Management</b> , Divert 50% from Disposal	1
<b>1</b>			Credit 2.2	<b>Construction Waste Management</b> , Divert 75% from Disposal	1
		<b>1</b>	Credit 3.1	<b>Materials Reuse</b> , 5%	1
		<b>1</b>	Credit 3.2	<b>Materials Reuse</b> , 10%	1
<b>1</b>			Credit 4.1	<b>Recycled Content</b> , 10% (post-consumer + ½ pre-consumer)	1
<b>1</b>			Credit 4.2	<b>Recycled Content</b> , 20% (post-consumer + ½ pre-consumer)	1
<b>1</b>			Credit 5.1	<b>Regional Materials</b> , 10% Extracted, Processed & Manufactured Regio	1
<b>1</b>			Credit 5.2	<b>Regional Materials</b> , 20% Extracted, Processed & Manufactured Regio	1
<b>1</b>			Credit 6	<b>Rapidly Renewable Materials</b>	1
		<b>1</b>	Credit 7	<b>Certified Wood</b>	1

Yes ? No

**15** **Indoor Environmental Quality** **15 Points**

Y	?	No	Prereq 1	<b>Minimum IAQ Performance</b>	Required
<b>Y</b>			Prereq 2	<b>Environmental Tobacco Smoke (ETS) Control</b>	Required
<b>1</b>			Credit 1	<b>Outdoor Air Delivery Monitoring</b>	1
<b>1</b>			Credit 2	<b>Increased Ventilation</b>	1
<b>1</b>			Credit 3.1	<b>Construction IAQ Management Plan</b> , During Construction	1
<b>1</b>			Credit 3.2	<b>Construction IAQ Management Plan</b> , Before Occupancy	1
<b>1</b>			Credit 4.1	<b>Low-Emitting Materials</b> , Adhesives & Sealants	1
<b>1</b>			Credit 4.2	<b>Low-Emitting Materials</b> , Paints & Coatings	1
<b>1</b>			Credit 4.3	<b>Low-Emitting Materials</b> , Carpet Systems	1
<b>1</b>			Credit 4.4	<b>Low-Emitting Materials</b> , Composite Wood & Agrifiber Products	1
<b>1</b>			Credit 5	<b>Indoor Chemical &amp; Pollutant Source Control</b>	1
<b>1</b>			Credit 6.1	<b>Controllability of Systems</b> , Lighting	1
<b>1</b>			Credit 6.2	<b>Controllability of Systems</b> , Thermal Comfort	1
<b>1</b>			Credit 7.1	<b>Thermal Comfort</b> , Design	1
<b>1</b>			Credit 7.2	<b>Thermal Comfort</b> , Verification	1
<b>1</b>			Credit 8.1	<b>Daylight &amp; Views</b> , Daylight 75% of Spaces	1
<b>1</b>			Credit 8.2	<b>Daylight &amp; Views</b> , Views for 90% of Spaces	1

Yes ? No

**5** **Innovation & Design Process** **5 Points**

<b>1</b>			Credit 1.1	<b>Innovation in Design</b> : Provide Specific Title	1
<b>1</b>			Credit 1.2	<b>Innovation in Design</b> : Provide Specific Title	1
<b>1</b>			Credit 1.3	<b>Innovation in Design</b> : Provide Specific Title	1
<b>1</b>			Credit 1.4	<b>Innovation in Design</b> : Provide Specific Title	1
<b>1</b>			Credit 2	<b>LEED® Accredited Professional</b>	1

Yes ? No

**54** **5** **10** **Project Totals (pre-certification estimates)** **69 Points**

**Certified:** 26-32 points, **Silver:** 33-38 points, **Gold:** 39-51 points, **Platinum:** 52-69 points