

It is expected that a Quorum of the Board of Public Works, Park Board, Administration Committee, and/or Common Council may attend this meeting: (although it is not expected that any official action of any of those bodies will be taken)

**CITY OF MENASHA
PLAN COMMISSION
Council Chambers
140 Main Street, Menasha**

**September 14, 2010
3:30 PM**

AMENDED AGENDA

- A. CALL TO ORDER
- B. ROLL CALL/EXCUSED ABSENCES
- C. MINUTES TO APPROVE
 - 1. [Minutes of the August 30, 2010 Plan Commission Meeting](#)
- D. PUBLIC COMMENT ON ANY ITEM OF CONCERN ON THIS AGENDA
Five (5) minute time limit for each person
- E. DISCUSSION
 - 1. None
- F. ACTION ITEMS
 - 1. [Site Plan Revisions – 1429 Province Terrace](#)
 - 2. [Site Plan Review – 1525 Midway Place – Subway](#)
 - 3. [Site Plan Review – Manitowoc Road/Province Terrace – Fire Station #36](#)
 - 4. [Puccetti Annexation and Temporary Zoning Designation](#)
 - Parcel “A” – R-4 Multi Family Recommended
 - Parcel “B” – C-1 Commercial Recommended
 - Parcel “C” – R-1 Single Family Recommended
- G. ADJOURNMENT

CITY OF MENASHA
Plan Commission
Council Chambers, City Hall – 140 Main Street
August 30, 2010
DRAFT MINUTES

A. CALL TO ORDER

The meeting was called to order at 3:30 p.m. by Mayor Merkes.

B. ROLL CALL/EXCUSED ABSENCES

PLAN COMMISSION MEMBERS PRESENT: Mayor Merkes, DPW Radtke, Commissioners Sturm, Schmidt, Cruickshank, Homan and Ald. Benner

PLAN COMMISSION MEMBERS EXCUSED: None

OTHERS PRESENT: CDD Keil, PP Amy Kester, Bob Drifka, Jenny Drifka, Mike Malmstead, Steve Roth, Janice Arendt, Nate Sorenson, Vern Green, Lonnie Pichler

C. MINTUES TO APPROVE

1. **Minutes of the August 3, 2010 Plan Commission Meeting**

Moved by Comm. Cruickshank, seconded by Ald. Benner to approve the August 3, 2010 Plan Commission meeting minutes.

The motion carried.

D. PUBLIC COMMENT ON ANY ITEM OF CONCERN ON THIS AGENDA

1. No one spoke.

E. DISCUSSION

1. **None**

F. ACTION ITEMS

1. **CSM – Midway Crossing**

CDD Keil explained that the CSM had to be revised as another lot was created by virtue of the street being dedicated to the public. The sidewalk easement is also now shown in response to action previously taken by the Plan Commission.

Moved by DPW Radtke, seconded by Comm. Cruickshank to recommend approval of the CSM.

The motion carried.

2. **Site Plan Review – Fox Valley Hematology and Oncology – Province Terrace**

CDD Keil stated that the storm water management plan and erosion control plan has yet to be approved by the Engineering Department. The photometric plan showed light spillage onto Province Terrace that exceeds ordinance requirements and the percentage of landscaping within the parking lot needs to be verified. Vern Green from NMFR inquired whether there would be yard hydrants and stated that the existing hydrant locations should be adequate. Lonnie Pichler noted that the routing for the electrical service was shown incorrectly.

Commissioners discussed:

- The type of material used to screen the rooftop mechanicals.

- The compatibility of the materials used to screen the dumpster enclosure with the main building materials.
- The relationship of the proposed biofilter to the storm water management plan.
- The need for landscape buffers along the parking lot.
- The location, width and turning radii of the driveway accesses.

Moved by DPW Radtke, seconded by Comm. Cruickshank to approve the site plan with the following conditions:

1. That the storm water management plan be approved by the Engineering Department.
2. That the erosion control plan be approved by the Engineering Department.
3. That the lighting plan be modified to meet parking requirements.
4. That the landscaping plan be modified to meet the standards for screening parking lots.
5. That the percentage of interior landscaping in the parking lots meets standards.
6. That the electric service follow a route to be approved by Menasha Utilities.

The motion carried

G. ADJOURNMENT

Moved by DPW Radtke, seconded by Ald. Benner to adjourn at 4:15 p.m.

The motion carried.

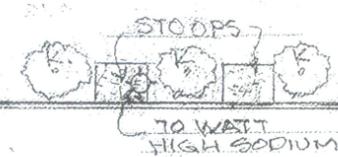
Minutes respectfully submitted by Greg Keil, Community Development Director

VULGARIS LILAC

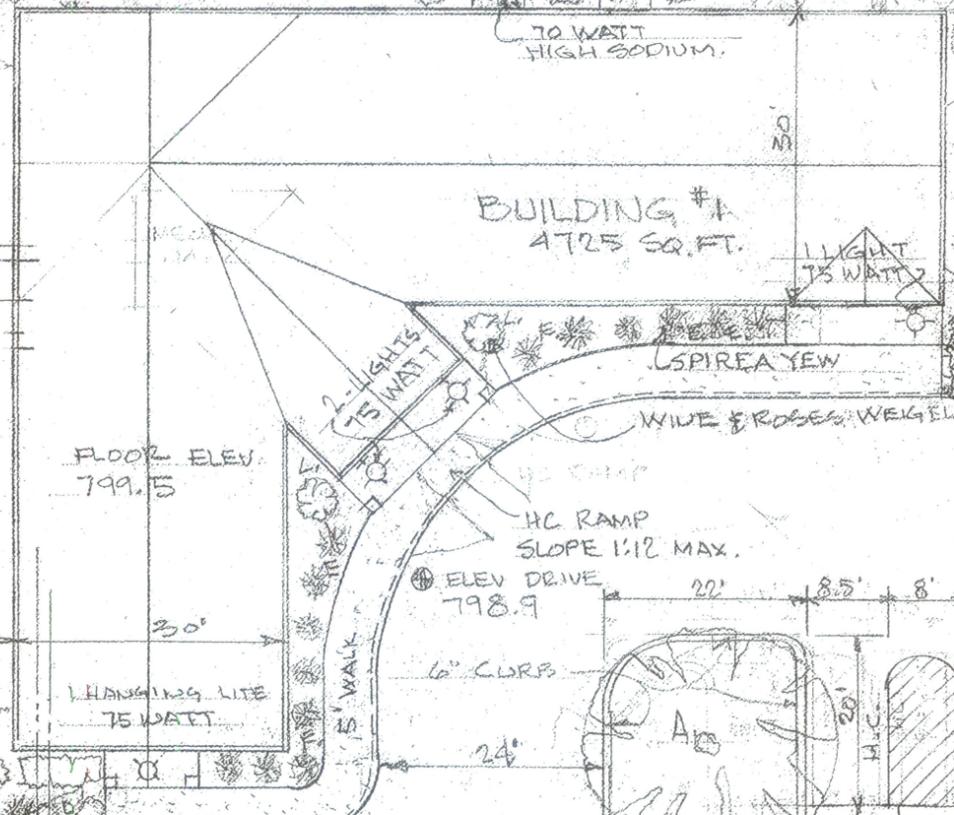
WETLAND AREA

DR

NEW PROPERTY LINE

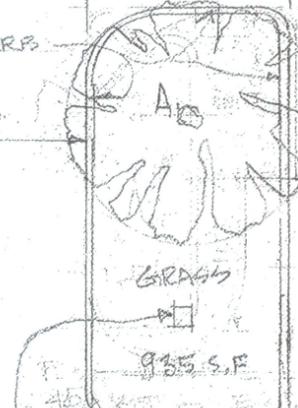
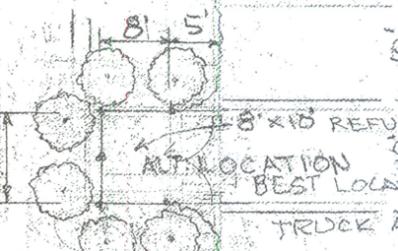


NOTE: VERIFY LOCATION OF SANITARY, WATER, TELEPHONE, GAS, AND ELECTRICAL UTILITY LOCATIONS.



SHASTA DALSEN
BLANKET FLOWER
DIANTHUS
BLUECHIPS

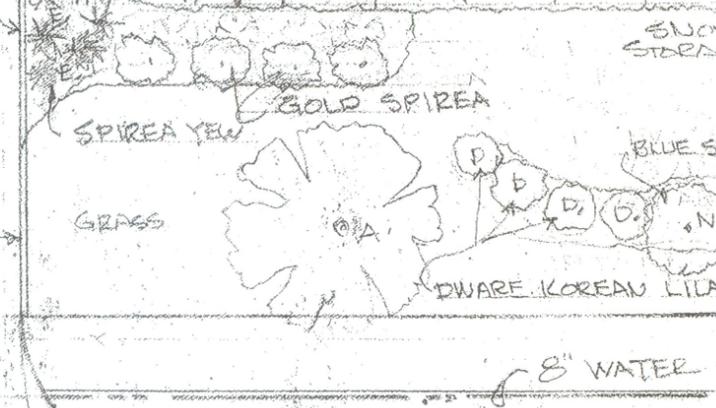
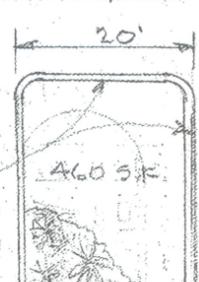
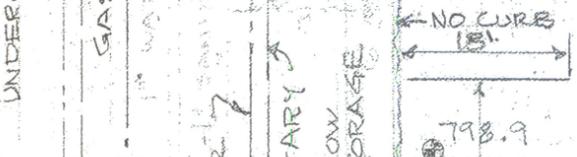
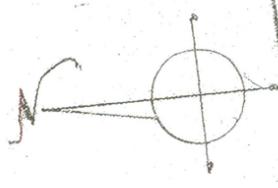
UNDERGROUND TEL. ELEC. GAS WATER



POLE WITH 2 LIGHTS 400 WATTS EST. PARKING LOT LIGHTING SHALL HAVE CUT OFF SHIELDING 25' HIGH MAX.

TOTAL PARKING 49

ELEV 797.62



PLANTING KEY

- A. NEWPORT PLUM.
- B. PYRAMID ARBORVITE
- C. BLUE STAR JUNIPER
- D. DWARF KOREAN LILAC
- E. SPIREA YEW
- F. GOLD SPIREA
- G. SHASTA DALSEN
- H. BLANKET FLOWER
- I. DIANTHUS
- J. BLUECHIPS
- K. GLOBE ARBORVITE
- L. WIDE & ROSES WEIGELLA
- M. NORWAY PINE
- N. BLUE SPRUCE
- P. DARK GREEN ARBORVITE
- Q. VULGARIS LILAC

PARKING AREA = 26,950 S.F.
2 ISLANDS = 1870
2 PENINSULAS = 920 } 2790 } 26.95

PROVINCE TERRACE DRIVE

SITE PLAN 20' = 1"

LANDSCAPING & LIGHTING PLAN FOR SALON ETERNITY

OFFICE OF STANLEY JON BYE - ARCHITECT
950 GAIL AVE. - NEENAH, WI. 54956
PH. 920-722-5577

SEPT 9, 2010

COOPER LIGHTING - METALUX®

DESCRIPTION

The floating appearance of the Softside Cloud complements any décor with a non-glaring illumination. The low profile of the frameless diffuser allows the fixture to blend in with its surroundings. The Softside Cloud is an ideal choice for a variety of commercial applications.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

A...Construction

Housing is manufactured with die formed cold rolled steel. Ends are formed for added strength. Ballast cover is removable without tools.

B...Electrical*

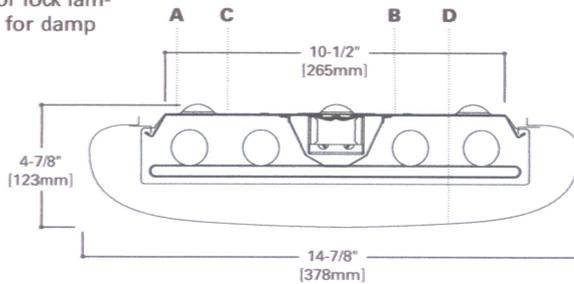
Universal Instant Start Commercial Grade Ballast. CBM/ETL Class "P" Listed. UL/cUL listed. Rotor lock lampholders. Suitable for damp locations.

C...Finish

Multistage pre-paint ensures maximum bonding and rust prevention.

D...Shielding

Utilizes a trademark Tuff'R'Puff commercial grade acrylic lens that is formulated to protect against lens breakage and 'yellowing' discoloration. Snap fit for ease of service and relamping.



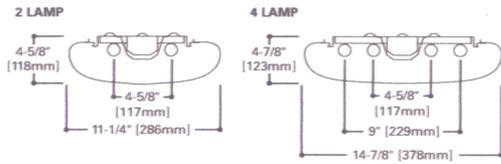
WSC SERIES

232
432

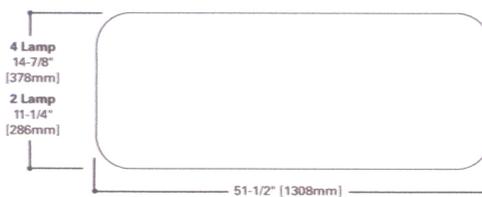
1' x 4', 1-1/2' x 4'
2 or 4 T8 Lamps

Modular Fluorescent
Softside Cloud

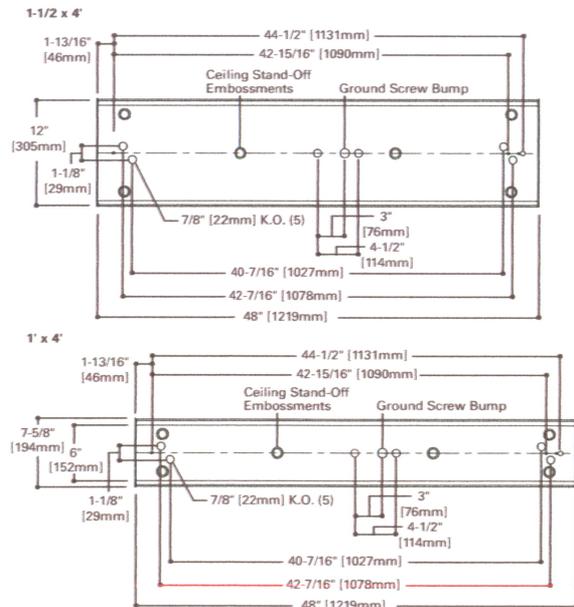
LAMP CONFIGURATIONS



LENS



MOUNTING DATA



ENERGY DATA

Input Watts:

EB Ballast & STD Lamps
232 (54)
432 (110)

Luminaire Efficacy Rating
LER = FL64
Catalog Number: WSC-232

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$3.28

**Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

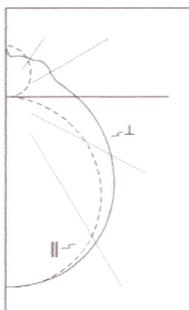
LAMPS CONTAIN MERCURY. DISPOSE ACCORDING TO LOCAL, STATE OR FEDERAL LAWS

LINEAR DISCONNECT

Safe and convenient means of disconnecting power.



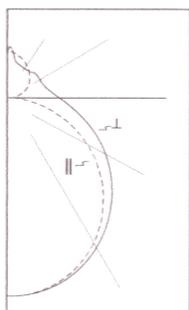
PHOTOMETRICS



WSC-232
 Electronic Ballast
 (2) F32T8 Lamps
 2800 Lumens each
 Spacing criterion:
 (H) 1.3 x mounting
 height, (L) 1.3 x
 mounting height
 Efficiency 70.5%
 Test Report:
 P20017
 LER = FL64
 Yearly Cost of 1000
 lumens, 3000 hrs at
 .08 KWH = \$3.28

Candlepower

Angle	Along II	45°	Across I
0	812	812	812
5	811	811	809
10	802	804	804
15	787	791	794
20	764	772	778
25	735	747	756
30	700	717	730
35	658	682	700
40	611	642	665
45	559	598	628
50	501	551	587
55	440	501	545
60	375	449	504
65	308	399	464
70	240	350	425
75	174	306	387
80	111	265	352
85	58	229	320
90	22	199	290



WSC-432
 Electronic Ballast
 (2) F32T8 Lamps
 2800 Lumens each
 Spacing criterion:
 (H) 1.3 x mounting
 height, (L) 1.3 x
 mounting height
 Efficiency 61.6%
 Test Report:
 P20021
 LER = FL55
 Yearly Cost of 1000
 lumens, 3000 hrs at
 .08 KWH = \$3.83

Candlepower

Angle	Along II	45°	Across I
0	1544	1544	1544
5	1542	1541	1543
10	1525	1528	1531
15	1496	1502	1510
20	1453	1465	1475
25	1399	1415	1429
30	1333	1355	1373
35	1254	1286	1309
40	1166	1207	1237
45	1069	1121	1159
50	962	1028	1075
55	848	929	988
60	728	828	898
65	604	725	807
70	479	624	715
75	355	526	626
80	238	435	544
85	134	358	473
90	61	299	416

Coefficients of Utilization

rc	Effective floor cavity reflectance																	
	80%			70%			50%			30%			10%			0%		
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	79	79	79	79	75	75	75	75	68	68	68	61	61	61	55	55	55	52
1	71	67	63	60	67	63	60	58	57	55	52	51	49	47	46	44	43	40
2	64	58	52	48	60	55	50	46	49	45	42	44	41	38	39	37	35	32
3	58	50	44	39	55	48	42	38	43	38	35	38	35	32	34	31	29	27
4	53	44	38	33	50	42	36	32	43	33	29	34	30	27	30	27	24	22
5	48	39	33	28	46	37	31	27	34	29	25	30	26	23	27	24	21	19
6	44	35	29	24	42	33	27	23	30	25	22	27	23	20	25	21	18	16
7	41	32	25	21	39	30	24	20	27	22	19	25	21	18	22	19	16	14
8	38	29	23	19	36	27	22	18	25	20	17	23	19	16	20	17	14	13
9	36	26	20	17	34	25	20	16	23	18	15	21	17	14	19	15	13	11
10	33	24	19	15	31	23	18	14	21	17	13	19	15	13	17	14	12	10

Coefficients of Utilization

rc	Effective floor cavity reflectance																	
	80%			70%			50%			30%			10%			0%		
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	70	70	70	70	67	67	67	67	61	61	61	55	55	55	50	50	50	48
1	63	59	56	54	59	56	54	51	51	49	47	46	45	43	42	41	40	37
2	57	51	46	43	54	49	45	41	44	41	38	40	37	35	36	34	32	30
3	51	44	39	35	48	42	38	34	39	35	31	35	32	29	32	29	27	25
4	47	39	34	29	44	37	32	28	34	30	26	31	27	25	28	25	23	21
5	43	35	29	25	41	33	28	24	30	26	23	28	24	21	25	22	20	18
6	39	31	26	22	37	30	25	21	27	23	20	25	21	18	23	20	17	16
7	36	28	23	19	35	27	22	18	25	20	17	23	19	16	21	18	15	14
8	34	26	20	17	32	25	20	16	23	18	15	21	17	14	19	16	13	12
9	32	23	18	15	30	22	18	14	21	17	14	19	15	13	17	14	12	11
10	30	21	17	13	28	21	16	13	19	15	12	18	14	12	16	13	11	10

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	645	11.5	16.3
0-40	1071	19.1	27.1
0-60	1976	35.3	50.1
0-90	2908	51.9	73.7
0-180	3947	70.5	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	1885	1769	1654
55	1769	1687	1579
65	1593	1617	1547
75	1317	1619	1575
85	867	1825	1738

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1225	10.9	17.7
0-40	2029	18.1	29.4
0-60	3719	33.2	53.9
0-90	5334	47.6	77.3
0-180	6902	61.6	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	2789	2664	2529
55	2636	2545	2419
65	2414	2431	2331
75	2075	2366	2289
85	1543	2564	2458

ORDERING INFORMATION

SAMPLE NUMBER: WSC-232-D-W-UNV-EB81-U

<p>Series WSC=Softside Cloud</p>	<p>Diffuser/Lens D=Dropped</p>	<p>Ballast Type⁽¹⁾ EB8 = T8 Electronic Instant Start. Total Harmonic Distortion < 10% No. of Ballast 1 or 2 EB8_/PLUS= T8 Electronic Instant Start. High Ballast Factor >1.13. Total Harmonic Distortion < 10% No. of Ballast 1 or 2 ER8 = T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10% No. of Ballast 1 or 2 ER8_/PLUS= T8 Electronic Program Start. High Ballast Factor >1.13 Total Harmonic Distortion < 10% No. of Ballast 1 or 2 HPT8 Ballast HB8_L= T8 Electronic Instant Start. Low Ballast Factor .77 HB8 = T8 Electronic Instant Start. Ballast Factor .88 HB8_N= T8 Electronic Instant Start. Normal Ballast Factor 1.0 HB8_H= T8 Electronic Instant Start. High Ballast Factor 1.15-1.2 HR8_DIM= T8 Electronic Program Start Step Dimming. Ballast Factor .88 HR8_L= T8 Electronic Program Start. Low Ballast Factor .77 HR8 = T8 Electronic Program Start. Ballast Factor .88 HR8_H= T8 Electronic Program Start. High Ballast Factor 1.15-1.2</p>	<p>Packaging U=Unit Pack</p>
<p>Number of Lamps 2=2 Lamps (Not Included) 4=4 Lamps (Not Included)</p>	<p>Frame Finish W=White</p>		
<p>Wattage (Length) 32=32W T8 (48")</p>	<p>Voltage⁽¹⁾ 120V=120 Volt 277V=277 Volt 347V=347 Volt UNV=Universal Voltage 120-277⁽²⁾</p>		
	<p>Options GL=Single Element Fuse GM=Double Element Fuse EL=Emergency Installed⁽³⁾</p>		

NOTES: ⁽¹⁾ Products also available in non-US voltages and frequencies for international markets. 120V must be specified with a residential ballast. ⁽²⁾ Not available when specifying emergencies, voltage must be specific. ⁽³⁾ A low profile battery pack is required for installation with standard ballast cover (consult Cooper Lighting).

For complete product data, reference the Fluorescent Specification binder. Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Representative for availability and ordering information.

SHIPPING INFORMATION

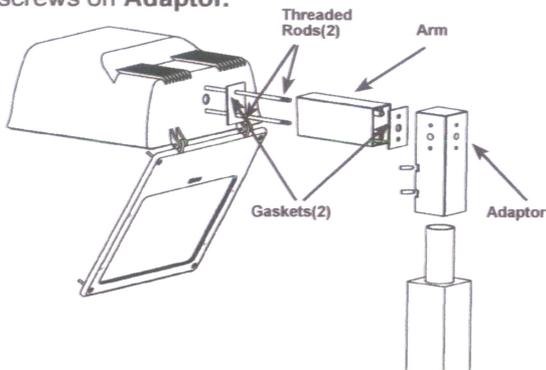
Catalog No.	Wt.
WSC-232	13 lbs.
WSC-432	17 lbs.

AL™ AREA LIGHT INSTALLATION INSTRUCTIONS

MOUNTING (1) AL FIXTURE TO BTA ADAPTOR

Fixed Arm mounting to RAB's pole top adaptor,

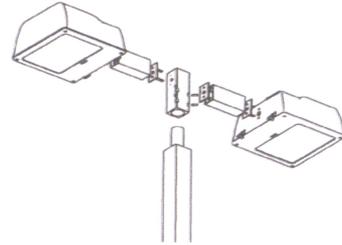
1. Loosen (4) door screws, open fixture. Remove ballast cover.
2. Insert **Threaded Rods** into the **Adaptor**.
3. Feed wires from fixture through **Gasket**, **Arm** and 2nd **Gasket** and into **Adaptor**. Make connections and push wires into the adaptor. Wires should be knotted as a strain relief.
4. Line up extrusion slots with the **Threaded Rods** and slide **Arm** and fixture on **Threaded Rods**.
5. Place flat washer, lock washer and nuts on each **Threaded Rod** inside the fixture. Tighten securely.
6. Place **Adaptor** over 2 3/8" Tenon and tighten set screws on **Adaptor**.



MOUNTING (2) AL FIXTURES AT 180° TO BTA ADAPTOR

Fixed Arm mounting to BTA180 for mounting 2 fixtures at 180 degrees as shown below.

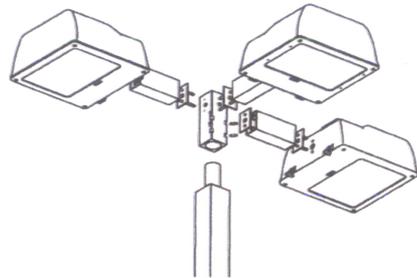
See steps 1-6 in "MOUNTING (1) AL FIXTURE TO BTA ADAPTOR" section. Follow for each fixture.



MOUNTING (3) AL FIXTURES TO BTA ADAPTOR

Fixed Arm mounting to BTA3 for mounting 3 fixtures as shown below.

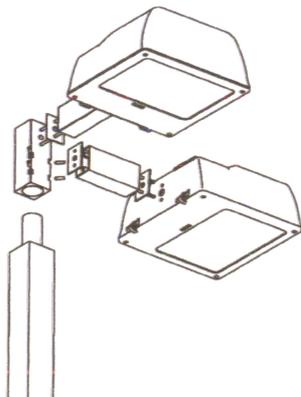
See steps 1-6 in "MOUNTING (1) AL FIXTURE TO BTA ADAPTOR" section. Follow for each fixture.



MOUNTING (2) AL FIXTURES AT 90° TO BTA ADAPTOR

Fixed Arm mounting to BTA90 for mounting 2 fixtures at 90 degrees as shown below.

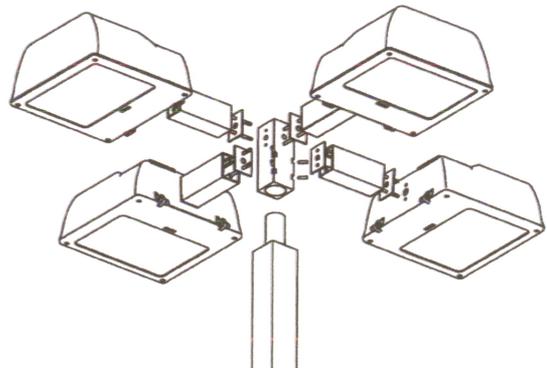
See steps 1-6 in "MOUNTING (1) AL FIXTURE TO BTA ADAPTOR" section. Follow for each fixture.



MOUNTING (4) AL FIXTURES TO BTA ADAPTOR

Fixed Arm mounting to BTA4 for mounting 4 fixtures as shown below.

See steps 1-6 in "MOUNTING (1) AL FIXTURE TO BTA ADAPTOR" section. Follow for each fixture.

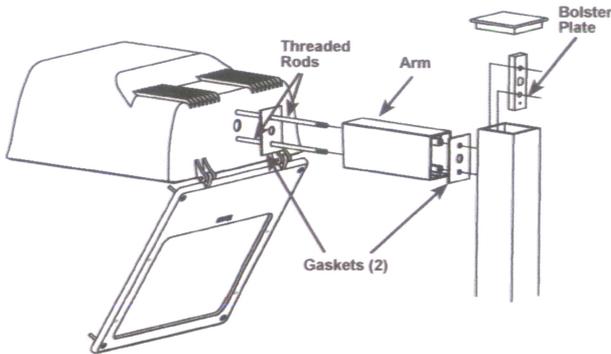


AL™ AREA LIGHT INSTALLATION INSTRUCTIONS

MOUNTING (1) AL FIXTURE DIRECTLY TO POLE

Fixed Arm mounting directly to 4" or larger square steel pole. Note **Arm Orientation** detail on first page.

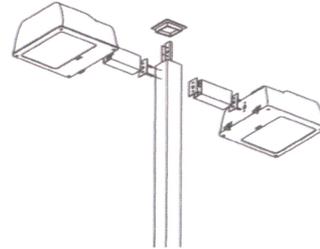
1. Loosen (4) door screws, open fixture. Remove ballast cover.
2. Insert **Threaded Rods** into the pole and thread into the **Bolster Plate**.
3. Feed wires from fixture through **Gasket, Arm** and 2nd **Gasket** and into pole. Make connections and knot wires as a strain relief. Replace pole cap.
4. Line up extrusion slots with the **Threaded Rods** and slide **Arm** and fixture on **Threaded Rods**.
5. Place flat washer, lock washer and nut on the **Threaded Rods** inside the fixture and tighten securely.



MOUNTING (2) AL FIXTURES AT 180° DIRECTLY TO POLE

Fixed Arm direct pole mounting of 2 fixtures at 180 degrees as shown below.

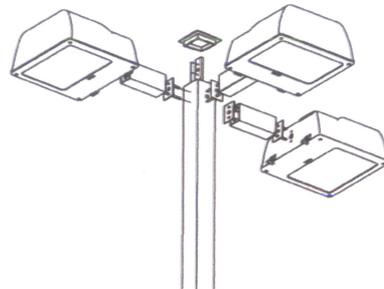
See steps 1-5 in "MOUNTING (1) AL FIXTURE DIRECTLY TO POLE" section. Follow for each fixture



MOUNTING (3) AL FIXTURES DIRECTLY TO POLE

Fixed Arm direct pole mounting of 3 fixtures.

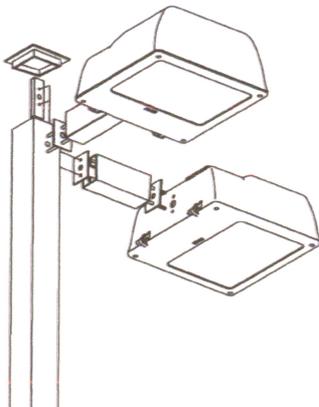
See steps 1-5 in "MOUNTING (1) AL FIXTURE DIRECTLY TO POLE" section. Follow for each fixture



MOUNTING (2) AL FIXTURES AT 90° DIRECTLY TO POLE

Fixed Arm direct pole mounting of 2 fixtures at 90 degrees as shown below.

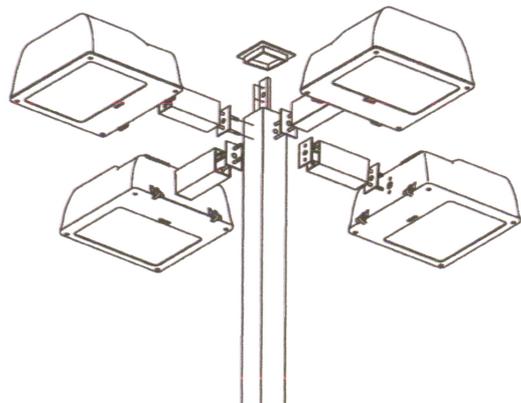
See steps 1-5 in "MOUNTING (1) AL FIXTURE DIRECTLY TO POLE" section. Follow for each fixture



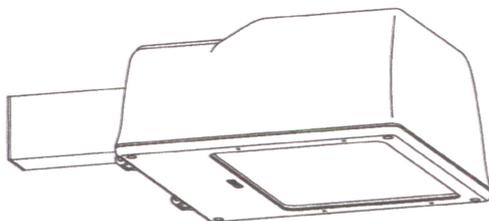
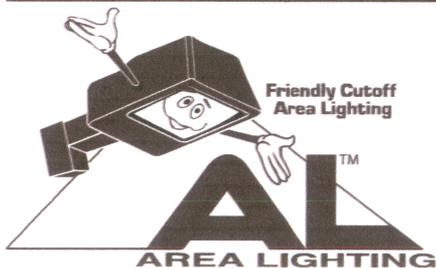
MOUNTING (4) AL FIXTURES DIRECTLY TO POLE

Fixed Arm direct pole mounting of 4 fixtures.

See steps 1-5 in "MOUNTING (1) AL FIXTURE DIRECTLY TO POLE" section. Follow for each fixture



AL[™] AREA LIGHT INSTALLATION INSTRUCTIONS



Thank you for buying RAB lighting fixtures. Our aim is to design the best quality products to get the job done right. We'd like to hear your comments. Call the Marketing Department at 888-RAB-1000, or email: marketing@rabweb.com

IMPORTANT

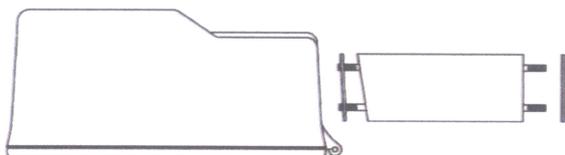
READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

RAB fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.

WARNING: Make certain power is OFF before installing or maintaining fixture.

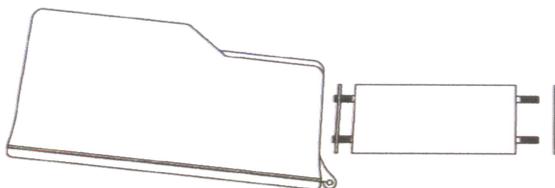
FIXED ARM

For full cutoff, mount arm oriented as shown below.



UP TILT FIXED ARM

For 6 degree up tilt, mount arm oriented as shown below.

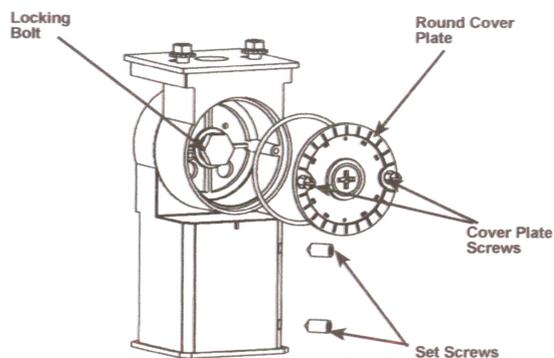
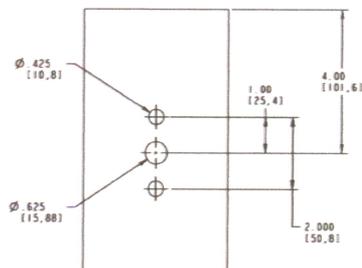


MOUNTING WITH SLIPFITTER

1. The slipfitter fits a 2 3/8" O.D. tenon. Place the slipfitter over the tenon and secure with the (2) **Set Screws** on the side of the slipfitter.
2. To adjust the angle of the fixture:
 - a. Remove (2) **Cover Plate Screws** and the **Round Cover Plate**.
 - b. Hold the top of fixture, loosen the **Locking Bolt** and swivel the fixture.
 - c. Tighten the **Locking Bolt** and re-attach the **Round Cover Plate**.

POLE DRILLING DETAIL

For mounting to a pole not drilled at RAB.



UL US LISTED
SUITABLE FOR WET LOCATIONS

Note: These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation, operation or maintenance.

RAB fixture designs are protected under U.S. and International Intellectual Property laws. Patent pending.

AL[™] AREA LIGHT INSTALLATION INSTRUCTIONS

LAMP INSTALLATION

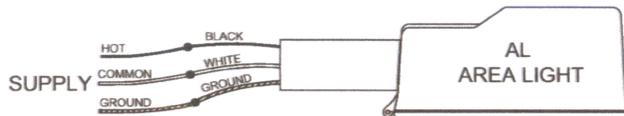
CAUTION: Prior to installing, check that the lamp is the correct ANSI type and wattage. Observe lamp manufacturer's recommendations on lamp operation, ballast type and burning positions.

1. Disconnect power. Make sure fixture and lamp are cool enough to touch.
2. Loosen (4) screws from the door of the fixture. Screws will remain captive to door. Open and swing door down on hinges.
3. Fully screw the lamp into the socket.
4. Before closing door, make sure door gasket is properly seated all around the door.
5. Check that all mounting bolts are tight.
6. Close door. Tighten screws.

WIRING

All units are factory wired for 277V, except for units with a requested 120V Photocell ("PC"). If voltages other than 277V are required, remove ballast cover and rewire for the appropriate voltage.

1. Connect the black fixture lead to the (+) LINE supply lead.
2. Connect the white fixture lead to the (-) COMMON supply lead.
3. Connect the Ground wire from fixture to supply ground.
4. All unused leads must be capped and insulated.



CLEANING & MAINTENANCE

CAUTION: Be sure fixture temperature is cool enough to touch. Do not clean or maintain while fixture is energized.

1. Clean glass lens with non-abrasive glass cleaning solution.
2. As lamps age, light output diminishes. Mass re-lamping at regular intervals ensures full light output at the highest efficiency.

REPLACEMENT LAMPS AND BALLASTS

Wattage	RAB Lamp Catalog#	ANSI Code	RAB Ballast Catalog#
High Pressure Sodium			
250	LHPS250	S50	BHPSH250QT
400	LHPS400	S51	BHPSH400QT
Metal Halide			
175	LMH175MOG	M57	BMHH175QT
200PS	LMH200PS	M136	BMHH200PSQ
250	LMH250	M58	BMHH250QT
250PS	LMH250PS	M153	BMHH250PSQ
320PS	LMH320PS	M154	BMHH320PSQ
350PS	LMH350PS	M131	BMHH350PSQ
400	LMH400Z	M59	BMHH400QT
400PS	LMH400PS	M155	BMHH400PSQ

480V Ballasts are available, consult factory.

TROUBLESHOOTING

1. Is the proper lamp installed? Check the wattage and ANSI code on the fixture label against markings on the lamp. Refer to Replacement Lamp table above for verification.
2. Make sure the lamp is not defective. Try a lamp known to be in operating condition.
3. Check that the line voltage at fixture is correct. Refer to wiring directions.
4. Is there voltage at the lamp socket? If there is no voltage, check all connections.
5. Is the fixture grounded properly?
6. Is the photocell functioning properly (if used)?

ACCESSORIES AND REPLACEMENT PARTS

Chrome Wire Guard:	GDMEG
House Side Sheild:	MEGH9
Bolster Plate:	ALBP
Pole Top Tenon Adaptors:	BTA4



PS4-07-25D2

JOB NAME: _____

DATE: _____

TYPE: _____

DESCRIPTION

Square steel poles drilled for 2 Area Lights at 180°. Designed for ground mounting. Poles are stocked nationwide for quick shipment. Protective packaging ensures poles arrive at the job site good as new.

SPECIFICATIONS

Base Plates:

36,000 p.s.i. minimum yield

Color:

Bronze

Hand Holes:

Reinforced with grounding lug and removable cover.

Shaft:

46,000 p.s.i. minimum yield

Shipping Protection:

All poles are shipped in individual corrugated cartons to prevent finish damage.

Anchor Bolt Templates:

WARNING: Template must be printed on 11" x 17" sheet for actual size. CHECK SCALE BEFORE USING. Templates shipped with anchor bolts and available

Anchor Bolt:

3/4" x 20" x 3" Galvanized anchor bolts and galvanized hardware and anchor bolt template. All bolts have a 3" hook

Base Dimension:

10"

Bolt Circle:

9"

Gauge:

7

Hand Hole Dimensions:

3" x 6"

Height:

25 FT

MaxEPA's/Max Weights:

70MPH: 10.7 ft²/245 lb

80MPH: 7.2 ft²/165 lb

90MPH: 4.7 ft²/110 lb

100MPH: 2.9 ft²/65 lb

110MPH: 1.4 ft²/35 lb

120MPH: 0.3 ft²/10 lb

Pre-Shipped Anchor Bolts:

Bolts can be pre-shipped upon request for additional freight charge

Shaft Size:

4"

Terms of Sale:

Pole Terms of Sale is available

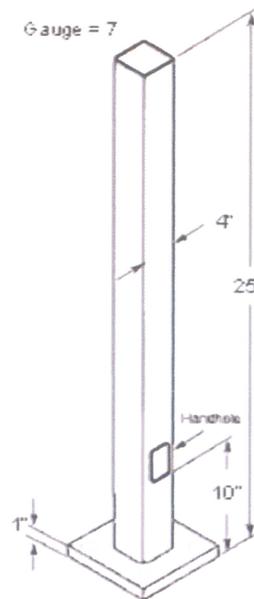
Wall Thickness:

3/16"

Weight:

240

DIMENSIONS



Catalog Number	
Notes	Type

FEATURES & SPECIFICATIONS

INTENDED USE

For entrances, stairwells, corridors, other pedestrian areas.

CONSTRUCTION

Cast aluminum backplate on which electrical components are mounted for maximum heat-dissipation. Gasketing between backplate and front cover prevents the entry of water and contaminants. External hardware includes phillips head and tamper-proof hex-head fasteners.

FINISH

Dark bronze (DDB) or white (DWH) front cover available for all wattages.

OPTICAL SYSTEM

Front cover/refractor is injection-molded, one-piece, UV-stabilized polycarbonate. Optical system is sealed and gasketed to inhibit entrance of outside contaminants.

ELECTRICAL SYSTEM

35W-70W HPS and 50W MH use 120V normal power factor.

Porcelain, medium-base socket with copper alloy nickel-plated screw shell and center contact. UL listed 660W, 600V, 4KV pulse rated. Medium-base lamp included with the fixture.

INSTALLATION

Units are for wall mounting and include two 3/4" knockouts for routing electrical conduit.

LISTING

UL listed for wet locations. Listed and labeled to comply with Canadian Standards.

Small Polycarbonate Wall Pack

TWS

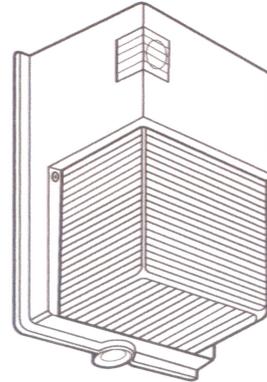
METAL HALIDE

50W

HIGH PRESSURE SODIUM

35W, 50W, 70W

8' to 12' Mounting



Specifications

Height: 11" (27.9cm)
 Width: 6-1/2" (16.5cm)
 Depth: 5-1/4" (13.3cm)
 Weight: 4.9 lbs./2.2 kgs

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: TWS 50M 120 PE LPI

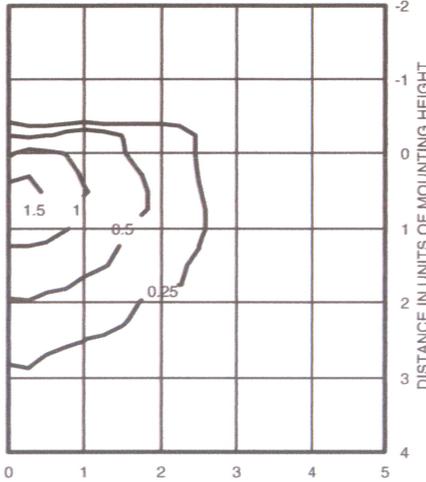
TWS		120	
Series	Wattage/lamp	Voltage	Options
TWS	<u>Metal halide</u> 50M <u>High pressure sodium</u> 35S 50S 70S	120	<u>Shipped installed in fixture</u> PE Photoelectric cell as standard LPI Lamp included as standard <u>Architectural colors (optional)</u> (blank) Dark bronze DWH White

Accessories

Order as separate catalog numbers
 RK1 PEB1 Photocell kit (120V only)
 TWSWG Wireguard

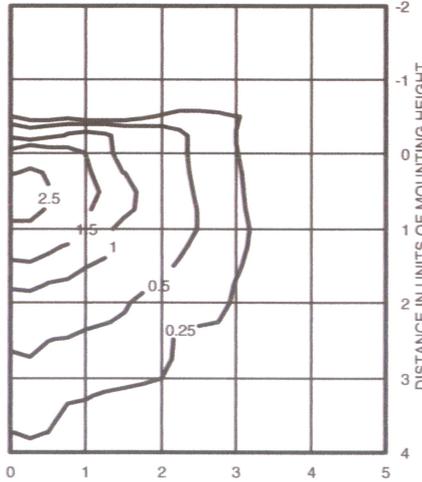
TWS High Pressure Sodium Wall Pack

TWS 35S TEST NO: LTL12508
ISOILLUMINANCE PLOT (Footcandle)



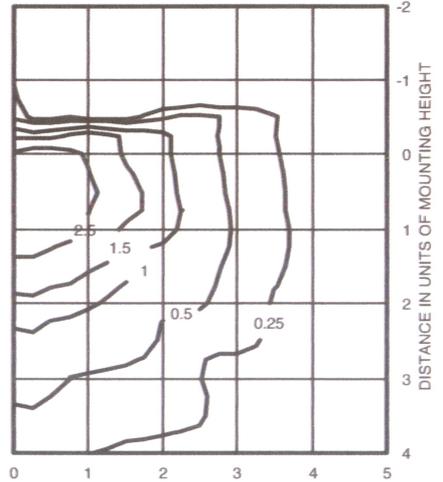
Luminaire Efficiency: 65.6%
35W high pressure sodium lamp
Footcandle values based on 8'
mounting height, 2250 rated lumens.

TWS 50S TEST NO: LTL12306
ISOILLUMINANCE PLOT (Footcandle)



Luminaire Efficiency: 65.6%
50W high pressure sodium lamp
Footcandle values based on 8'
mounting height, 4000 rated lumens.

TWS 70S TEST NO: LTL12509
ISOILLUMINANCE PLOT (Footcandle)



Luminaire Efficiency: 65.6%
70W high pressure sodium lamp
Footcandle values based on 8'
mounting height, 6300 rated lumens.

Mounting Height Correction Factor

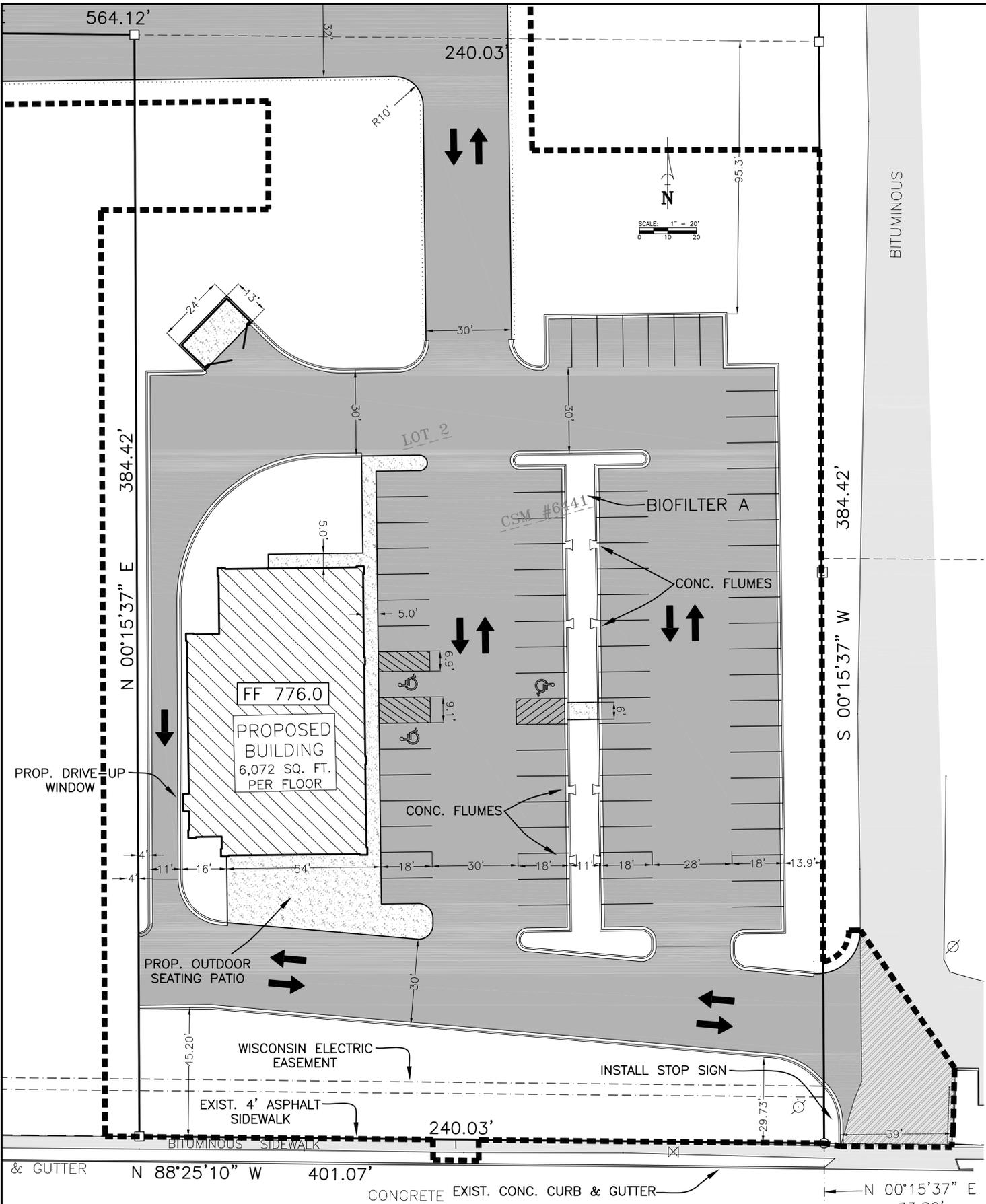
(Multiply the fc level by the correction factor)

10 ft. = .64

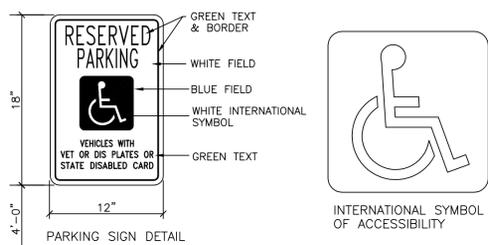
12 ft. = .44



An AcuityBrands Company



SUBWAY - MIDWAY ROAD: SITE PLAN



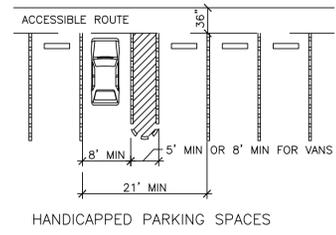
OWNER
 BMG PROPERTIES
 ATTN: BRIAN GAJEWSKI
 1526 S. COMMERCIAL ST.
 NEENAH, WI 54952
 (920) 810-1901

ARCHITECT/CONTRACTOR
 UNITED BUILDING SYSTEMS
 ATTN: PAUL WENNINGER
 W1988 LINSMEYER ROAD
 SEYMOUR, WI 54165
 (920) 833-1700

ENGINEER/SURVEYOR
 MARTENSON & EISELE, INC
 ATTN: AARON MADSEN, P.E.
 GARY ZAHNINGER, P.L.S.
 1377 MIDWAY ROAD
 MENASHA, WI 54952
 (920) 731-0381

HANDICAP PARKING SIGN DETAILS

NOT TO SCALE
 IT SHALL BE THE RESPONSIBILITY OF THE OWNER TO INSTALL (WHERE SHOWN HEREON), BARRIER FREE PARKING SIGNS IN CONFORMITY TO WISCONSIN ADMINISTRATIVE CODE: TRANS #200.07



JOB SITE LOCATION

SUBWAY - MIDWAY ROAD
 MENASHA, WISCONSIN
 TAX KEYS: #740077606 (PRIMARY SITE)
 #740077605 (ACCESS DRIVE & POND)
 #740077604 (POND)

LEGAL DESCRIPTION

ALL OF LOT 2 OF CERTIFIED SURVEY MAP NO. 6441 AND ALL OF LOT 1 OF CERTIFIED SURVEY MAP NO. 4212, LOCATED IN THE SOUTH 1/2 OF THE SOUTHEAST 1/4, SECTION 2, TOWNSHIP 20 NORTH, RANGE 17 EAST, CITY OF MENASHA, WINNEBAGO COUNTY, WISCONSIN

EXTERIOR BUILDING MATERIAL/COLORS

ROOF MATERIAL: RUBBER ROOF MEMBRANE
 WALL MATERIAL: 4" BRICK VENEER

ZONING DISTRICT

C-1 COMMERCIAL

FIRE PROTECTION

NO FIRE SPRINKLING SYSTEM

CONSTRUCTION AND OCCUPANCY TYPE

OCCUPANCY TYPE: B
 CONSTRUCTION TYPE: 5B

BENCHMARKS:

BM-1 TOP OF HYDRANT
 ELEVATION = 779.40
 BM-2 TOP OF HYDRANT
 ELEVATION = 773.80

PARKING

79 TOTAL SPACES

ACCESSIBLE SPACES

3 HANDICAP SPACE REQUIRED
 3 HANDICAP SPACES ADDED

SITE ANALYSIS

TAX KEY: #740077606 (Lot 2, CSM 6441)
 TOTAL LOT AREA: 92,263 FT² (2.12 AC)
 PROPOSED ROOF TOP AREA: 5,891 FT² (0.14 AC)
 PROPOSED PAVEMENT AREA: 48,196 FT² (1.11 AC)
 PROPOSED GREENSPACE: 38,176 FT² (0.88 AC)
 PERCENT IMPERVIOUS: 58.96%

TAX KEY: #740077605 (Lot 1, CSM 6441)

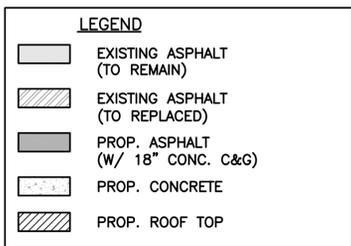
TOTAL LOT AREA: 87,647 FT² (2.01 AC)
 PROPOSED ROOF TOP AREA: 0 FT² (0.0 AC)
 PROPOSED PAVEMENT AREA: 7,827 FT² (0.18 AC)
 PROPOSED GREENSPACE: 79,820 FT² (1.83 AC)
 PERCENT IMPERVIOUS: 8.93%

TAX KEY: #740077604 (Lot 1, CSM 4212)

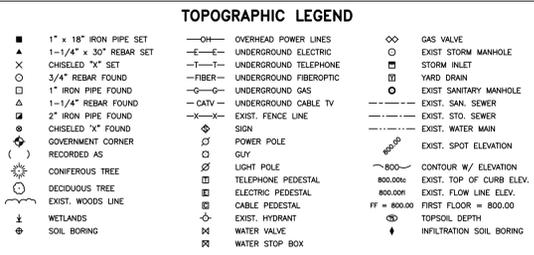
TOTAL LOT AREA: 169,662 FT² (3.89 AC)
 PROPOSED ROOF TOP AREA: 0 FT² (0.0 AC)
 PROPOSED PAVEMENT AREA: 4,209 FT² (0.00 AC)
 PROPOSED GREENSPACE: 165,453 FT² (0.0 AC)
 PERCENT IMPERVIOUS: 2.48%

SITE PLAN NOTES:

- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY OF MENASHA REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
- REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS, EXACT BUILDING UTILITY ENTRANCE LOCATIONS, FIRE SUPPRESSION, FIRE RELATED WALL ASSEMBLIES, AND BUILDING CLASS OF CONSTRUCTION.
- ALL DISTURBED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL, SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
- ALL DIMENSIONS ARE TO THE EDGE OF BUILDING OR FACE OF CURB.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
- NO HAZARDOUS MATERIALS WILL BE STORED ON SITE.
- FOOD AND/OR BEVERAGES SALES WILL OCCUR ON SITE.
- ALL STOP SIGNS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION M.U.T.C.D. LATEST VERSION.
- THE CONTRACTOR AND/OR OWNER SHALL NOT PROCEED WITH LAND DISTURBING ACTIVITIES PRIOR TO RECEIVING WRITTEN NOTICE TO PROCEED FROM THE ENGINEER.
- NO OUTDOOR STORAGE OR DISPLAY IS PROPOSED.
- ALL MECHANICAL EQUIPMENT WILL BE EITHER ROOF MOUNTED OR PROPERLY SCREENED. SEE LANDSCAPE PLANS FOR SCREENING.
- REFER TO ARCHITECTURAL PLANS FOR KNOX BOX LOCATION.



SHADED DRIVES AND BUILDINGS ADJOINING THE IMMEDIATE SITE ARE FUTURE PROPOSED DEVELOPMENTS. THESE FUTURE DEVELOPMENTS WILL BE APPROVED THROUGH SEPERATE SITE PLAN SUBMITTALS IN THE FUTURE.



Martenson & Eisele, Inc.
 Planning
 Environmental
 Surveying
 Engineering
 Architecture

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 920.731.0381 1.800.236.0381

NO.	DATE	REVISION	APPROVED
1	04/30/10	Revisions Per Meeting with Brian 04/28/10	
2	08/24/10	Add north connection road	

SITE PLAN
SUBWAY - MIDWAY ROAD
 CITY OF MENASHA, WINNEBAGO COUNTY, WISCONSIN

SCALE: 1" = 20'
 DATE: 04/16/10
 COMPUTER FILE: Q:\264363a\Design\264363a.dwg
 DRAWING NO.: C1.1

SUBWAY - MIDWAY ROAD: UTILITY PLAN

UTILITY PLAN NOTES:

1. THE LOCATION OF EXISTING UTILITY FACILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL HAVE ALL FACILITIES LOCATED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF A CONFLICT WITHIN THE WORK IS DISCOVERED.
2. WATER LATERAL INSTALLATION SHALL BE DONE IN ACCORDANCE WITH THE CURRENT TOWN OF MENASHA WATER MAIN CONSTRUCTION SPECIFICATIONS.
3. ANY PUBLIC SIDEWALK THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
4. STORM BUILDING SEWER, STORM DRAIN AND VENT PIPE INSTALLED UNDERGROUND SHALL CONFORM TO ONE OF THE FOLLOWING STANDARDS (PVC): ASTM D1785; ASTM D2665; ASTM D3034; ASTM F891. (RCP): ASTM C14; ASTM C76
5. MATERIALS FOR SANITARY BUILDING SEWER PIPE SHALL CONFORM TO ONE OF THE FOLLOWING STANDARDS (PVC): ASTM D1785; ASTM D2665; ASTM D3034; ASTM F891.
6. MATERIALS FOR WATER SERVE AND PRIVATE WATER MAIN SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN COMM 84.30-8.
7. ALL UNDERGROUND UTILITY PIPING MUST BE INSTALLED WITH TRACER WIRE MEETING THE REQUIREMENTS OF COMM 82.30(11)(h), COMM 82.35(7)(d), AND COMM 82.40(8)(k).
8. SEWER INSTALLATIONS SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, LATEST EDITION.

UTILITY PLAN LEGEND	
	EXISTING CONTOUR
	STORM MAIN
	WATER MAIN
	SANITARY MAIN
	STORM MANHOLE
	DOWNSPOUT CONNECTION
	HYDRANT

UTILITY PLAN SCHEDULE					
STRUCTURE ID#	RIM ELEVATION	INVERT ELEVATION	STRUCTURE DEPTH	SIZE & SHAPE	CASTING ID
1	777.50	8"	766.17	11.33'	48" MANHOLE R-1550
2	778.75	8"	767.05	11.70'	48" MANHOLE R-1550
A	778.00	24"/15"	768.80	9.20'	48" MANHOLE R-3161
B	778.00	15"	769.12	8.88'	48" MANHOLE R-3161
C	773.00	15"	770.00	SEE DETAIL	48" MANHOLE SEE DETAIL
		12"	767.00		
D	-	30"	770.00	30" CONC. ENDWALL	
E	778.05	30"/24"	770.54	7.51'	48" MANHOLE R-2502
F	779.25	24"/18"	770.93	8.32'	48" MANHOLE R-2502
G	775.55	15"	771.19	4.36'	48" MANHOLE R-2502
		18"	771.19		
		12"	771.43		
H	774.60	15"/10"/10"	771.62	2.98'	24"x36" BOX R-3290-R
L	774.60	10"	771.99	2.61'	24"x36" BOX R-3290-R
M	774.60	10"	771.90	2.70'	24"x36" BOX R-3290-R
N	774.60	10"	771.90	2.70'	24"x36" BOX R-3290-R
O	774.75	12"	771.75	3.00'	24"x36" BOX R-3290-R
P	774.80	10"/4"	771.45	3.35'	24" CATCHBASIN R-2502
Q	774.80	10"/4"	771.50	3.30'	24" CATCHBASIN R-2502
R	774.39	12"	770.89	3.50'	24"x36" BOX R-3290-R
S	773.96	12"	770.46	3.50'	24"x36" BOX R-3290-R
T	774.24	12"/12"/24"	TBD	TBD	48" MANHOLE R-1550
U		18"	770.00	18" CONC. ENDWALL	
V	776.75	18"	770.65	6.10'	48" MANHOLE R-2502
W	777.75	15"	771.06	6.69'	48" MANHOLE R-2502
X	776.00	18"	770.20	5.80'	48" MANHOLE R-3161
Y	776.00	18"	770.40	5.60'	48" MANHOLE R-3161

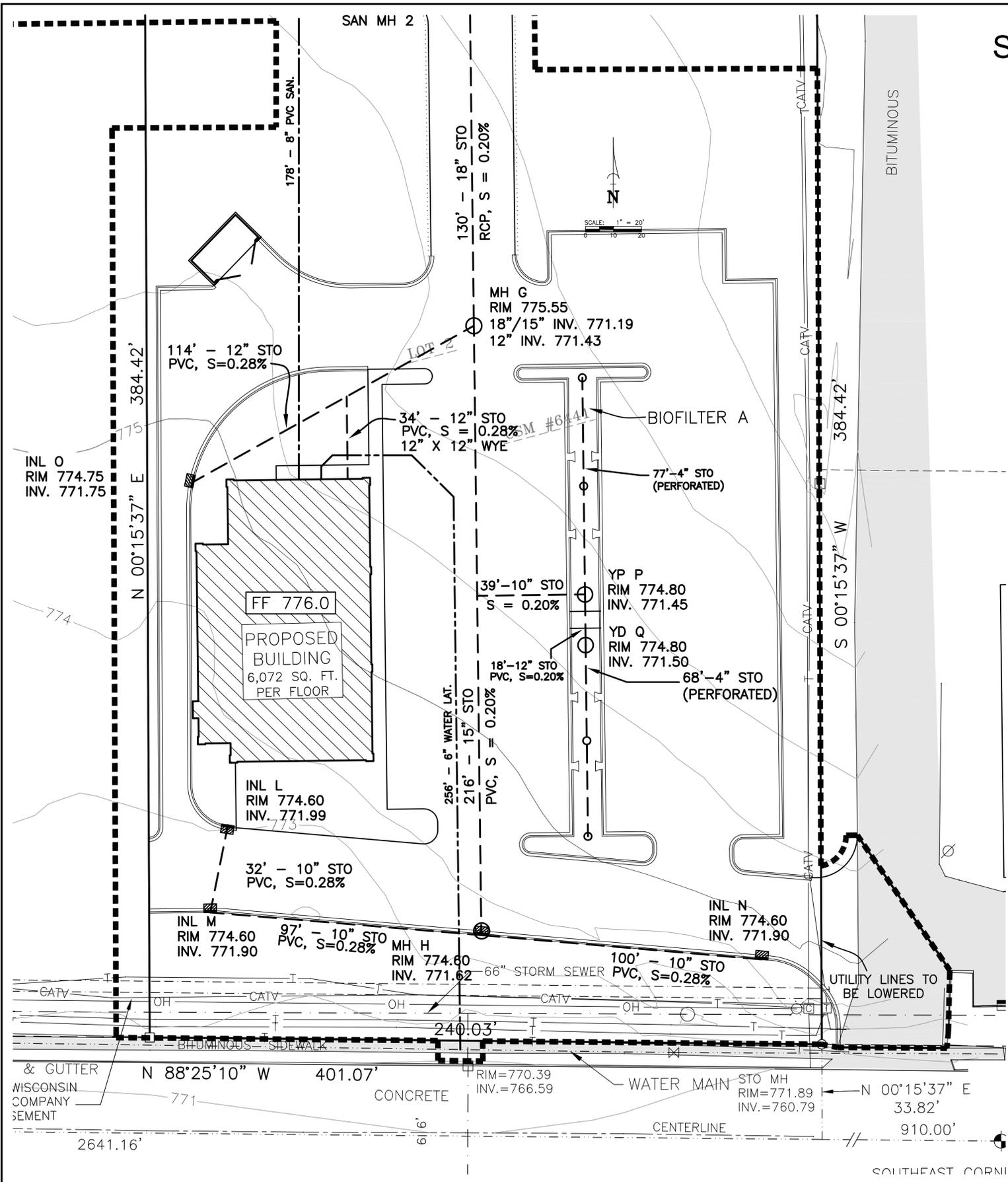
TOPOGRAPHIC LEGEND			
	1" x 18" IRON PIPE SET		GAS VALVE
	1-1/4" x 30" REBAR SET		EXIST. STORM MANHOLE
	CHISELED "X" SET		STORM INLET
	3/4" REBAR FOUND		YARD DRAIN
	1" IRON PIPE FOUND		EXIST. SAN. SEWER
	1-1/4" REBAR FOUND		EXIST. STO. SEWER
	2" IRON PIPE FOUND		EXIST. WATER MAIN
	CHISELED "X" FOUND		EXIST. SPOT ELEVATION
	GOVERNMENT CORNER		POWER POLE
	RECORDED AS		GUY
	CONFEROUS TREE		CONTOUR W/ ELEVATION
	DECIDUOUS TREE		800.0000 EXIST. TOP OF CURB ELEV.
	EXIST. WOODS LINE		800.0000 EXIST. FLOW LINE ELEV.
	WETLANDS		FF = 800.0000 FIRST FLOOR = 800.00
	SOIL BORING		TOPSOIL DEPTH
			INFILTRATION SOIL BORING
			WATER VALVE
			WATER STOP BOX

Martenson & Eisele, Inc.
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 Menasha, WI 54952
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NO.	DATE	BY	APPROVED
1	04/30/10	Revisions Per Meeting w/ Brian 04/28/10	
2	08/24/10	Add north access road	

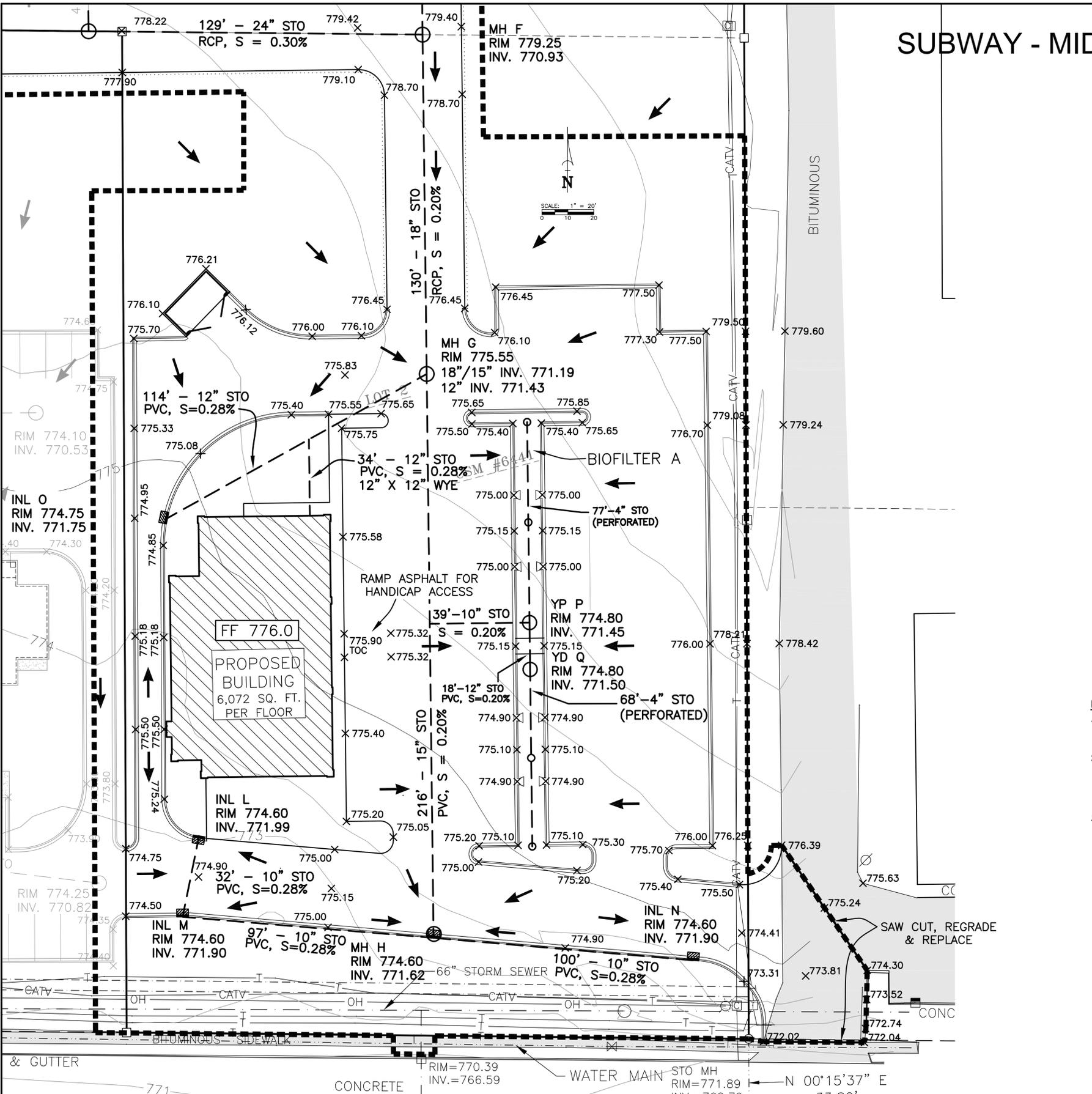
UTILITY PLAN
SUBWAY - MIDWAY ROAD
 CITY OF MENASHA, WINNEBAGO COUNTY, WISCONSIN

SCALE: 1" = 20'
 DATE: 04/16/10
 COMPUTER FILE: Q:\264363a\Design\264363a.dwg
 DRAWING NO.: C2.0



SUBWAY - MIDWAY ROAD: DRAINAGE PLAN

Martenson & Eisele, Inc.
 1377 Midway Road
 Menasha, WI 54952
 www.martenson-eisele.com
 info@martenson-eisele.com
 920.731.0381 1.800.236.0381



BENCHMARKS:
 BM-1 TOP OF HYDRANT
 ELEVATION = 779.40
 BM-2 TOP OF HYDRANT
 ELEVATION = 773.80

DRAINAGE PLAN LEGEND

- ⊙ PROPOSED 30" CONCRETE CATCH BASIN
- ⊕ PROPOSED 24" x 36" INLET BOX
- X 796.08 PROPOSED FLOWLINE ELEVATION
- X <796.08> EXISTING RIGHT-OF-WAY ELEVATION
- 796.08 EXISTING ELEVATION
- 796.1 POSSIBLE GROUND @ FOUNDATION ELEV.
- (824.00) PERTINENT DITCH OR SWALE ELEV.
- ← DIRECTION OF DRAINAGE
- 792 EXISTING CONTOUR
- STORM SEWER
- - - - - LIMITS OF CONSTRUCTION

- DRAINAGE PLAN NOTES:**
1. THE CONTRACTOR SHALL REMOVE TOPSOIL FROM THE SITE. ONLY TOPSOIL NEEDED FOR RESTORATION SHALL BE STOCKPILED ON SITE.
 2. THE LOCATION OF EXISTING UTILITY FACILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL HAVE ALL FACILITIES LOCATED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF A CONFLICT WITHIN THE WORK IS DISCOVERED.
 3. ALL GRADES SHOWN ARE CURB FLOW LINE OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

TOPOGRAPHIC LEGEND

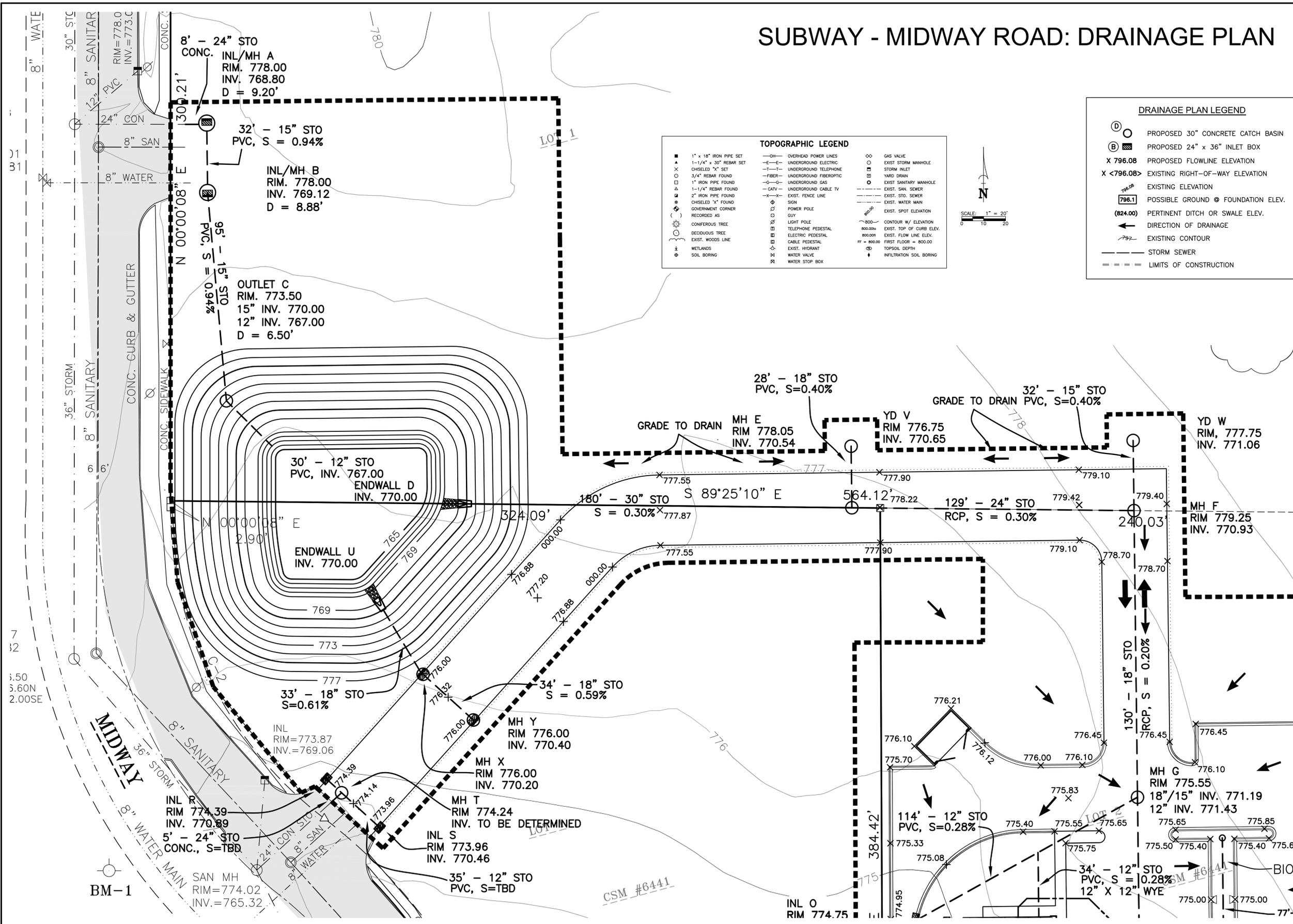
<ul style="list-style-type: none"> 1" x 18" IRON PIPE SET 1-1/4" x 30" REBAR SET CHEELED "X" SET 3/4" REBAR FOUND 1" IRON PIPE FOUND 1-1/4" REBAR FOUND 2" IRON PIPE FOUND CHEELED "X" FOUND GOVERNMENT CORNER RECORDED AS CONFERRIOUS TREE DECIDUOUS TREE EXIST. WOODS LINE WETLANDS SOIL BORING 	<ul style="list-style-type: none"> OVERHEAD POWER LINES UNDERGROUND ELECTRIC UNDERGROUND TELEPHONE UNDERGROUND FIBEROPTIC UNDERGROUND GAS UNDERGROUND CABLE TV EXIST. FENCE LINE SIGN POWER POLE GUY LIGHT POLE TELEPHONE PEDESTAL ELECTRIC PEDESTAL CABLE PEDESTAL EXIST. HYDRANT WATER VALVE WATER STOP BOX 	<ul style="list-style-type: none"> GAS VALVE EXIST. STORM MANHOLE STORM INLET YARD DRAIN EXIST. SANITARY MANHOLE EXIST. STO. SEWER EXIST. WATER MAIN EXIST. SPOT ELEVATION CONTOUR W/ ELEVATION 800.0000 EXIST. TOP OF CURB ELEV. 800.0000 EXIST. FLOW LINE ELEV. FF = 800.0000 FIRST FLOOR = 800.00 TOPSOIL DEPTH INFILTRATION SOIL BORING
--	--	---

NO.	DATE	REVISION
1	04/30/10	Revisions Per Meeting w/ Brian 04/29/10
2	08/24/10	Add north access road

DRAINAGE PLAN
SUBWAY - MIDWAY ROAD
 CITY OF MENASHA, WINNEBAGO COUNTY, WISCONSIN

SCALE: 1" = 20'
 DATE: 04/16/10
 COMPUTER FILE: C:\264363a\Design\264363a.dwg
 DRAWING NO.: C3.0

SUBWAY - MIDWAY ROAD: DRAINAGE PLAN



TOPOGRAPHIC LEGEND

1" x 18" IRON PIPE SET	OVERHEAD POWER LINES	GAS VALVE
1-1/4" x 30" REBAR SET	UNDERGROUND ELECTRIC	EXIST. STORM MANHOLE
CHISELED "X" SET	UNDERGROUND TELEPHONE	STORM INLET
3/4" REBAR FOUND	UNDERGROUND FIBEROPTIC	YARD DRAIN
1" IRON PIPE FOUND	UNDERGROUND GAS	EXIST. SANITARY MANHOLE
1-1/4" REBAR FOUND	UNDERGROUND CABLE TV	EXIST. SAN. SEWER
2" IRON PIPE FOUND	EXIST. FENCE LINE	EXIST. STO. SEWER
CHISELED "X" FOUND	SIGN	EXIST. WATER MAIN
GOVERNMENT CORNER	POWER POLE	EXIST. SPOT ELEVATION
RECORDED AS	GUY	CONTOUR W/ ELEVATION
CONFERRUS TREE	LIGHT POLE	800.00# EXIST. TOP OF CURB ELEV.
DECIDUOUS TREE	TELEPHONE PEDESTAL	800.00# EXIST. FLOW LINE ELEV.
EXIST. WOODS LINE	CABLE PEDESTAL	FF = 800.00 FIRST FLOOR = 800.00
WETLANDS	EXIST. HYDRANT	TOPSOIL DEPTH
SOIL BORING	WATER VALVE	INFLTRATION SOIL BORING
	WATER STOP BOX	

DRAINAGE PLAN LEGEND

⊙	PROPOSED 30" CONCRETE CATCH BASIN
⊗	PROPOSED 24" x 36" INLET BOX
X 796.08	PROPOSED FLOWLINE ELEVATION
X <796.08>	EXISTING RIGHT-OF-WAY ELEVATION
796.08	EXISTING ELEVATION
796.1	POSSIBLE GROUND @ FOUNDATION ELEV.
(824.00)	PERTINENT DITCH OR SWALE ELEV.
←	DIRECTION OF DRAINAGE
797	EXISTING CONTOUR
---	STORM SEWER
---	LIMITS OF CONSTRUCTION

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Planning
 Environmental
 Surveying
 Engineering
 Architecture

NO.	DATE	REVISION
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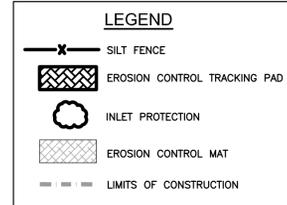
DRAINAGE PLAN
SUBWAY - MIDWAY ROAD
 CITY OF MENASHA, WINNEBAGO COUNTY, WISCONSIN

SCALE 1" = 20'	DATE 08/19/10
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DRAWING NO. C3.1	

SUBWAY - MIDWAY ROAD: EROSION CONTROL PLAN

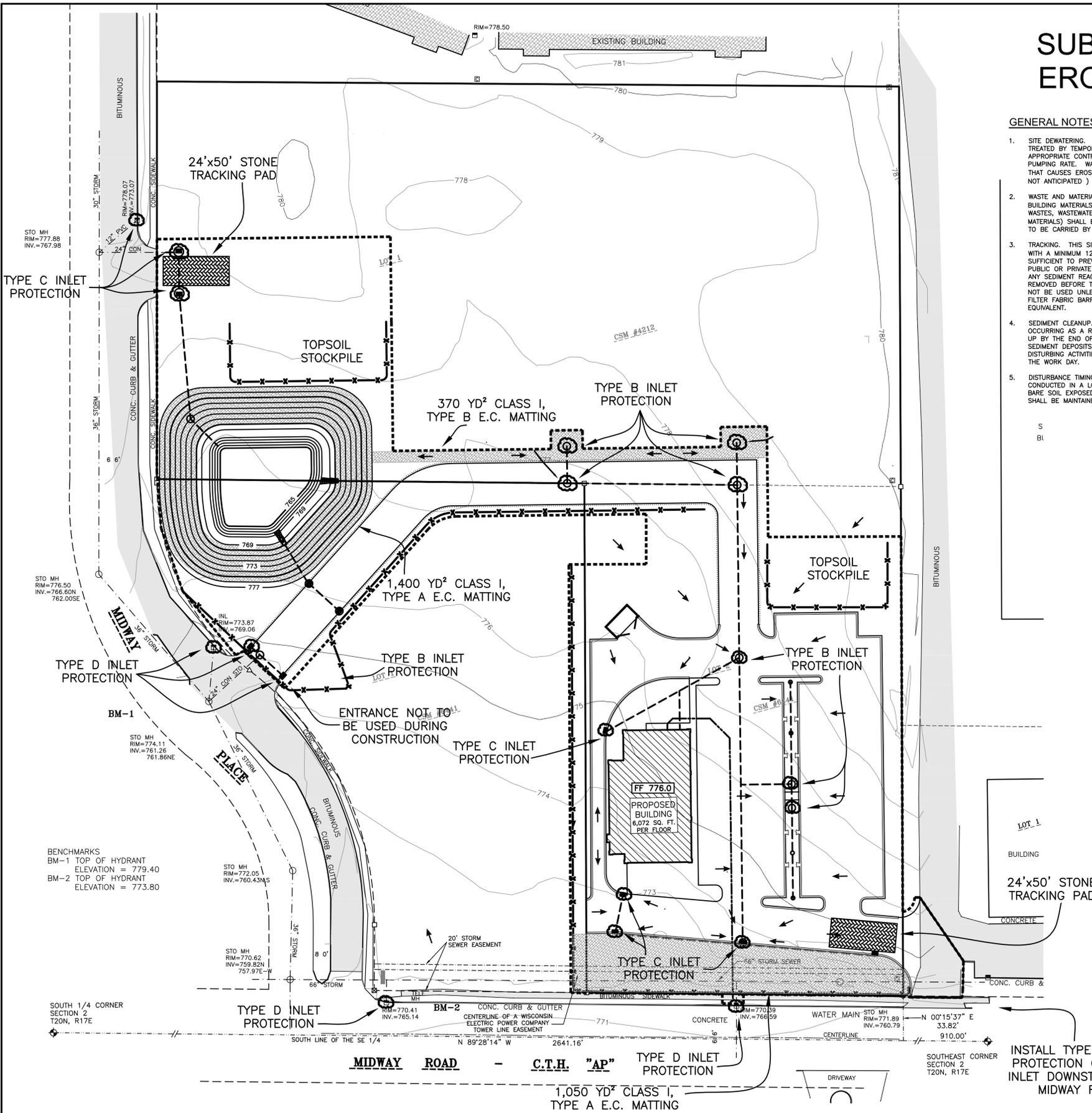
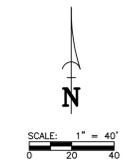
GENERAL NOTES:

1. SITE DEWATERING. WATER PUMPED FROM THE SITE SHALL BE TREATED BY TEMPORARY SEDIMENTATION BASINS OR OTHER APPROPRIATE CONTROLS DESIGNED FOR THE HIGHEST DEWATERING PUMPING RATE. WATER MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE OR RECEIVING CHANNELS. (NOT ANTICIPATED.)
2. WASTE AND MATERIAL DISPOSAL. ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO BE CARRIED BY RUNOFF INTO A RECEIVING CHANNEL.
3. TRACKING. THIS SITE SHALL STABILIZE THE PROPOSED DRIVE WITH A MINIMUM 12 INCH DEPTH OF 3" TO 6" CLEAR AGGREGATE SUFFICIENT TO PREVENT SEDIMENT FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS AS APPROVED BY THE DIRECTOR. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BEFORE THE END OF EACH WORK DAY. FLUSHING MAY NOT BE USED UNLESS THE SEDIMENT WILL BE CONTROLLED BY A FILTER FABRIC BARRIER, SEDIMENT TRAP, SEDIMENT BASIN OR EQUIVALENT.
4. SEDIMENT CLEANUP. ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF A STORM EVENT SHALL BE CLEANED UP BY THE END OF THE NEXT WORK DAY. ALL OTHER OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF LAND DISTURBING ACTIVITIES SHALL BE CLEANED UP BY THE END OF THE WORK DAY.
5. DISTURBANCE TIMING. ALL ACTIVITIES ON THE SITE SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AREA OF BARE SOIL EXPOSED AT ANY ONE TIME. EXISTING VEGETATION SHALL BE MAINTAINED AS LONG AS POSSIBLE.



PLAN NOTES:

1. THE CONTRACTOR SHALL NOTIFY THE CITY OF MENASHA EROSION CONTROL INSPECTOR AT LEAST 2 DAYS PRIOR TO THE START OF SOIL DISTURBING ACTIVITIES.
2. BUILDING/PAVING PERMITS WILL BE WITHHELD UNTIL ALL INITIAL EROSION CONTROL PRACTICES ARE IMPLEMENTED AND APPROVED BY THE CITY OF MENASHA EROSION CONTROL INSPECTOR.
3. EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION UNTIL THE SITE IS STABILIZED BY VEGETATION OR OTHER APPROVED MEANS.
4. ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE AS TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
5. CRUSHED ROCK DRIVES UTILIZING 3 - 6 INCH CLEAR AGGREGATE SHALL BE MAINTAINED AT ALL CONSTRUCTION ENTRANCES TO THE SITE. THE ROCK DRIVE SHALL BE A MINIMUM OF 12 INCHES THICK AND BE A MINIMUM OF 50 FEET IN LENGTH BY THE WIDTH OF THE DRIVEWAY.
6. OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF A STORM EVENT SHALL BE CLEANED UP BY THE END OF THE NEXT WORK DAY. ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION ACTIVITIES, INCLUDING SOIL TRACKED BY CONSTRUCTION TRAFFIC, SHALL AT A MINIMUM BE CLEANED BY THE END OF EACH WORK DAY. EXCESSIVE AMOUNTS OF SEDIMENT OR OTHER DEBRIS TRACKED ONTO ADJACENT STREETS SHALL BE CLEANED IMMEDIATELY. FINE SEDIMENT ACCUMULATIONS SHALL BE CLEANED FROM ADJACENT STREETS BY THE USE OF MECHANICAL OR MANUAL SWEEPING OPERATIONS ONCE A WEEK AT A MINIMUM AND BEFORE IMMINENT RAIN EVENTS.
7. ALL SEDIMENT LADEN WATER PUMPED FROM THE SITE SHALL BE TREATED BY A TEMPORARY SEDIMENT BASIN OR BE FILTERED BY OTHER APPROVED MEANS. WATER SHALL NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE OR RECEIVING CHANNELS.
8. DISTURBED GROUND OUTSIDE OF THE EVERYDAY CONSTRUCTION AREA, INCLUDING SOIL STOCKPILES LEFT INACTIVE FOR MORE THAN 7 DAYS, SHALL AT A MINIMUM BE TEMPORARILY STABILIZED BY SEEDING/MULCHING OR OTHER METHODS APPROVED BY THE CITY OF MENASHA EROSION CONTROL INSPECTOR.
9. WASTE MATERIAL GENERATED ON THE CONSTRUCTION SITE (INCLUDING CONCRETE TRUCK WASHOUT AND ANY OTHER CHEMICALS) SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO A RECEIVING WATER OR STORM SEWER SYSTEM.
10. IN THE CASE OF LATE SEASON AND WINTER CONSTRUCTION, RESTORATION/LANDSCAPING OF THE SITE SHALL OCCUR NO LATER THAN JUNE 1ST OF THE NEXT CONSTRUCTION SEASON. EROSION CONTROL MEASURES SHALL REMAIN INTACT UNTIL FINAL RESTORATION OF THE SITE IS COMPLETE. FABRIC INSIDE THE INLET AND CATCH BASIN GRATING SHALL BE REMOVED AS SOON AS FREEZING WEATHER OCCURS SO DRAINAGE IS NOT IMPAIRED THROUGHOUT THE WINTER MONTHS. ALL EROSION CONTROL PRACTICES REMOVED OR DAMAGED DUE TO WINTER WEATHER SHALL BE REPLACED IN THE SPRING IMMEDIATELY AFTER THE THAW.
11. EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF THE WORK DAY.
12. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES AT LEAST ONCE A WEEK AND AFTER ANY RAINFALL OF 0.5 INCHES OR MORE AND MAKE NEEDED REPAIRS. RESPONSIBILITY FOR EROSION CONTROL INSPECTION BELONGS TO THE CONTRACTOR. THE ENGINEER HAS NOT BEEN CONTRACTED TO PROVIDE EROSION CONTROL INSPECTION.
13. TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AT THE CONCLUSION OF CONSTRUCTION AFTER STABILIZATION OF DISTURBED SOIL HAS OCCURRED.
14. INSTALL TYPE D INLET PROTECTION (AS SHOWN BELOW IN DETAIL) ON STORM SEWER INLET LOCATED WITHIN CITY RIGHT OF WAY. TYPE B INLET PROTECTION SHALL BE USED ON THE YARD DRAIN ON THE PROJECT SITE.
15. ADJACENT STREET INLETS SHALL BE PROTECTED WITH TYPE D INLET PROTECTION AS DETAILED ON SHEET C401. INLET PROTECTION SHALL BE REMOVED WHEN DISTURBED AREAS FLOWING TO THE INLET ARE RESTORED OR HAVE OTHER PROTECTIVE MEASURES IN PLACE.
16. ALL DISTURBED AREAS SHALL BE RESTORED WITH TEMPORARY SEED (OATS/RYE) AND MULCHED WITHIN 10 DAYS OF FINAL GRADING.
17. THE CONTRACTOR AND/OR OWNER SHALL NOT PROCEED WITH LAND DISTURBING ACTIVITIES PRIOR TO RECEIVING WRITTEN NOTICE TO PROCEED FROM THE ENGINEER.



TOPOGRAPHIC LEGEND

1" x 18" IRON PIPE SET	OVERHEAD POWER LINES	◇	GAS VALVE
1-1/4" x 30" REBAR SET	UNDERGROUND ELECTRIC	○	EXIST. STORM MANHOLE
CHEELED "X" SET	UNDERGROUND TELEPHONE	⊕	STORM INLET
3/4" REBAR FOUND	FIBER - UNDERGROUND FIBEROPTIC	⊞	YARD DRAIN
1" IRON PIPE FOUND	UNDERGROUND GAS	○	EXIST. SAN. SEWER
1-1/4" REBAR FOUND	CATV - UNDERGROUND CABLE TV	⊞	EXIST. STO. SEWER
2" IRON PIPE FOUND	EXIST. FENCE LINE	⊞	EXIST. WATER MAIN
CHEELED "X" FOUND	POW. POLE	⊞	EXIST. SPOT ELEVATION
GOVERNMENT CORNER	GUY	⊞	
RECORDED AS	CONTOUR W/ ELEVATION	⊞	
CONFERRUS TREE	800' TELEPHONE PEDESTAL	⊞	EXIST. TOP OF CURB ELEV.
DECIDUOUS TREE	800' ELECTRIC PEDESTAL	⊞	EXIST. FLOW LINE ELEV.
EXIST. WOODS LINE	800' CABLE PEDESTAL	⊞	FF = 800.00 FIRST FLOOR = 800.00
WETLANDS	EXIST. HYDRANT	⊞	TOPSOIL DEPTH
SOIL BORING	WATER VALVE	⊞	INFILTRATION SOIL BORING
	WATER STOP BOX	⊞	

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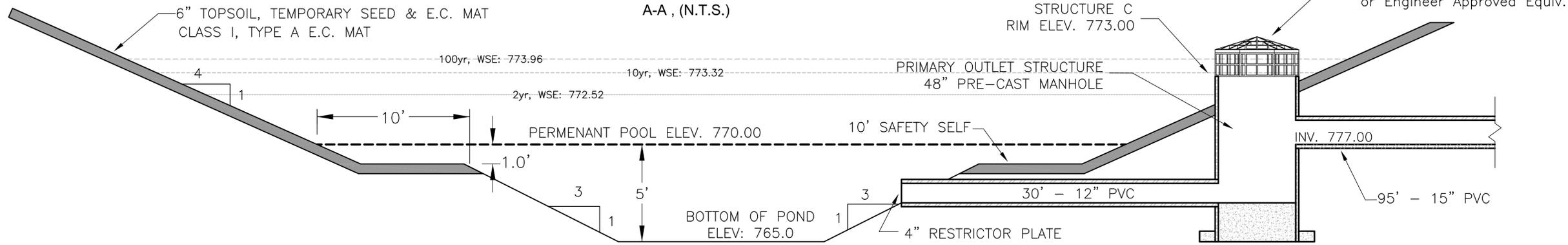
EROSION CONTROL PLAN
SUBWAY - MIDWAY ROAD
 CITY OF MENASHA, WINNEBAGO COUNTY, WISCONSIN

SCALE: 1" = 40'
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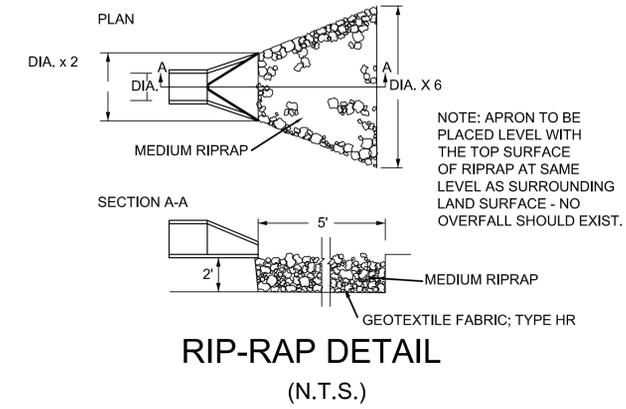
POND CROSS SECTION

A-A, (N.T.S.)



Trash rack manufactured by Plastic Solutions Inc. 540-722-4694 or Engineer Approved Equiv.

NORMAL WATER ELEVATION = 770.00
 ALL SIDE SLOPES ABOVE NWSE = 4:1
 ALL SIDE SLOPES BELOW SAFETY SHELF = 3:1
 SAFETY SHELF = 1.0' DEEP, 10' FROM NORMAL WSE
 WET BASIN: 5' BELOW WATER SURFACE
 SEDIMENT BAY BOTTOM = 765.00
 TOP OF POND ELEVATION = 777.00
 MAX. POND STORAGE ELEVATION = 774.60



RIP-RAP DETAIL (N.T.S.)

TOPOGRAPHIC LEGEND			
—○—	OVERHEAD POWER LINES	∞	GAS VALVE
—△—	UNDERGROUND ELECTRIC	○	EXIST. STORM MANHOLE
—X—	CHEELED "X" SET	□	STORM INLET
—F—	UNDERGROUND FIBEROPTIC	□	YARD DRAIN
—G—	UNDERGROUND GAS	○	EXIST. SAN. SEWER
—CATV—	UNDERGROUND CABLE TV	—○—	EXIST. SAN. SEWER
—X—X—	EXIST. FENCE LINE	—○—	EXIST. WATER MAIN
—S—	SIGN	○	EXIST. SPOT ELEVATION
—P—	POWER POLE	—○—	CONTOUR W/ ELEVATION
—G—	GUY	○	800.000
—L—	LIGHT POLE	○	800.000
—T—	TELEPHONE PEDESTAL	○	800.000
—E—	ELECTRIC PEDESTAL	○	800.000
—C—	CABLE PEDESTAL	○	800.000
—H—	EXIST. HYDRANT	○	800.000
—V—	WATER VALVE	○	800.000
—W—	WATER STOP BOX	○	800.000
—	—	○	800.000

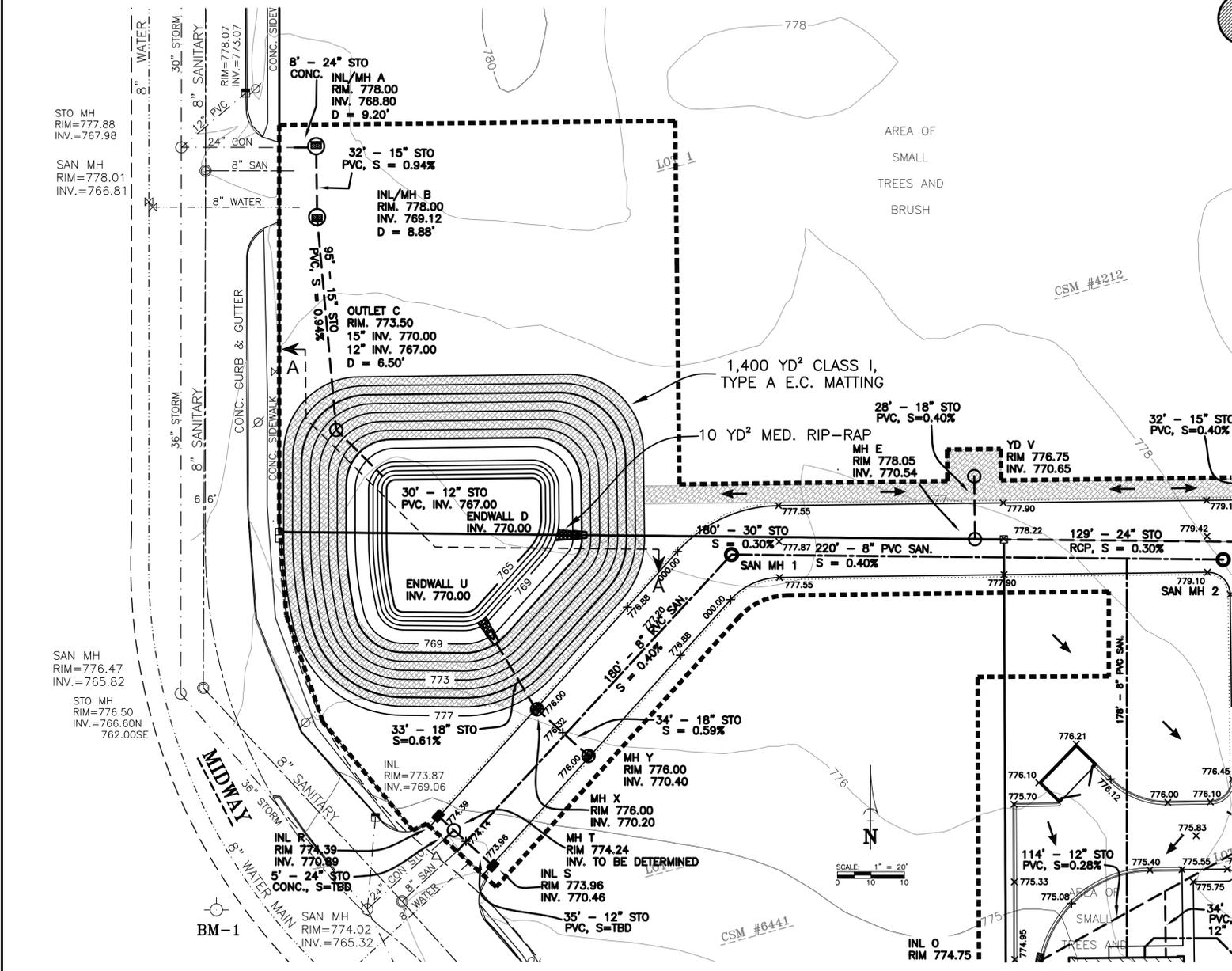
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POND DETAIL
SUBWAY - MIDWAY ROAD
 CITY OF MENASHA, WINNEBAGO COUNTY, WISCONSIN

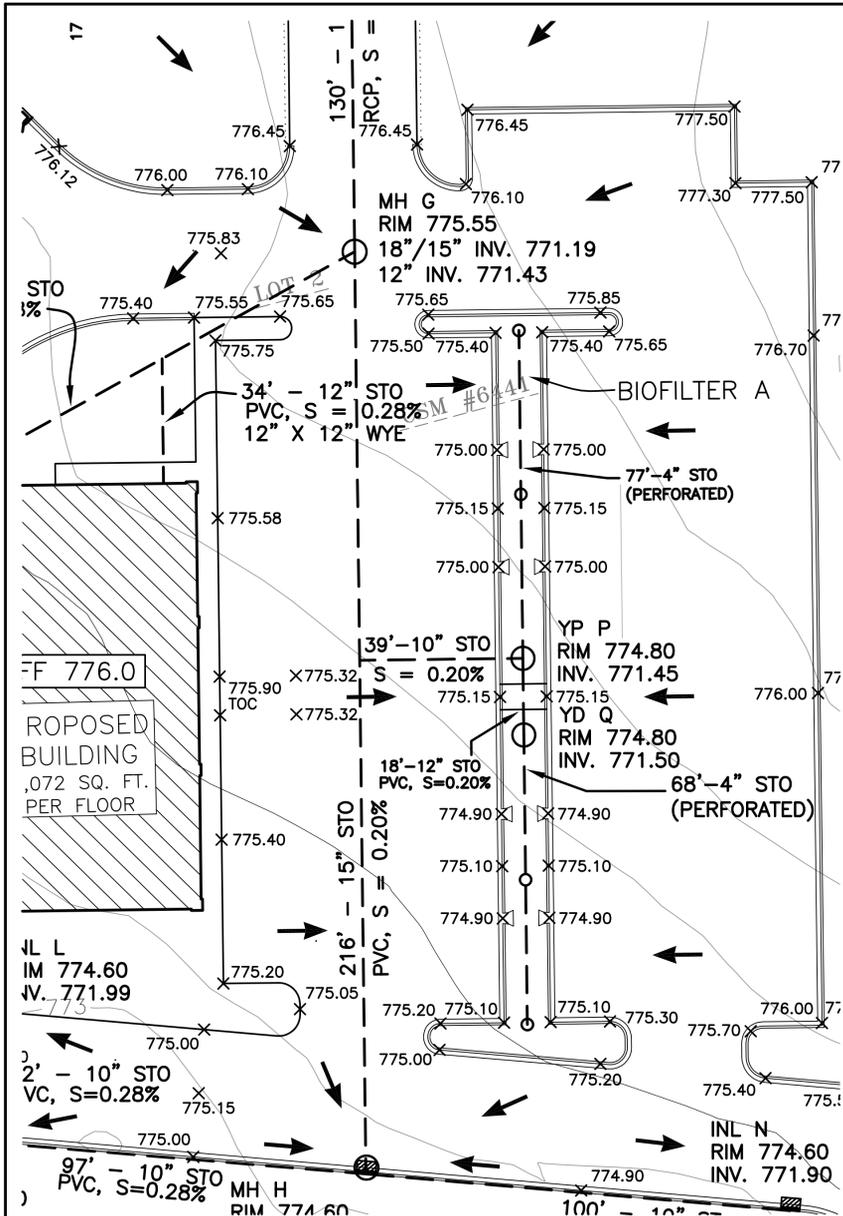
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SCALE: 1" = 20'

CSM #6441



BIOFILTRATION FACILITY NOTES

CONSTRUCTION SITE RUNOFF FROM DISTURBED AREAS SHALL NOT BE ALLOWED TO ENTER THE BIOFILTRATION DEVICE. RUNOFF FROM PVIOUS AREAS SHALL BE DIVERTED FROM THE DEVICE UNTIL PVIOUS AREAS HAVE UNDERGONE FINAL STABILIZATION.

CONSTRUCTION SHALL BE SUSPENDED DURING PERIODS OF RAINFALL OR SNOW MELT. CONSTRUCTION SHALL REMAIN SUSPENDED IF PONDED WATER IS PRESENT OR IF RESIDUAL SOIL MOISTURE CONTRIBUTES SIGNIFICANTLY TO THE POTENTIAL FOR SOIL SMEARING, CLUMPING OR OTHER FORM OF COMP ACTION.

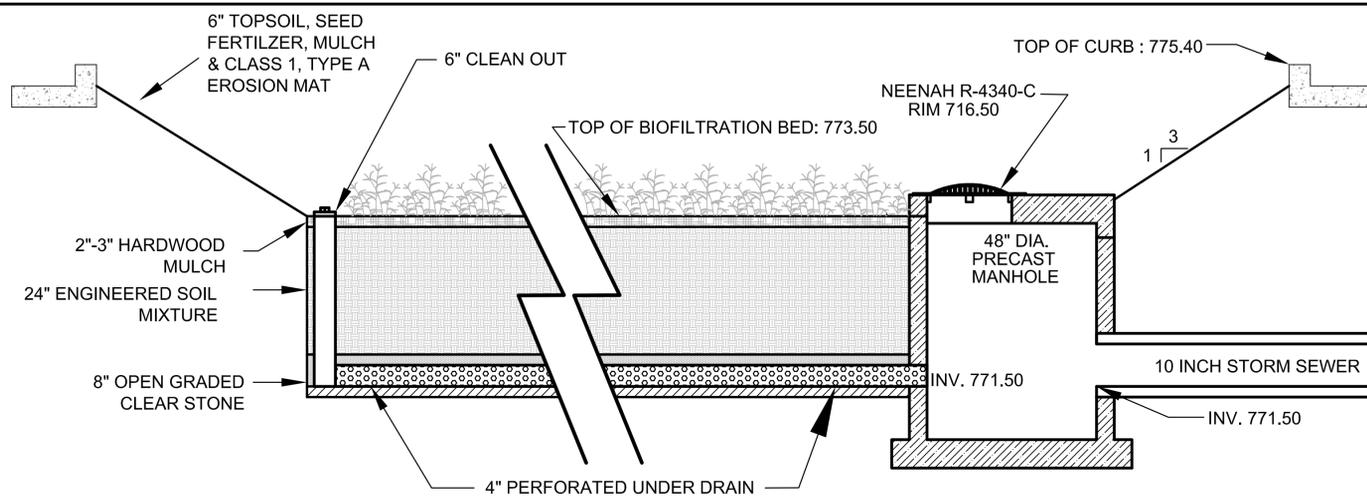
COMPACTING AND SMEARING OF THE SOIL BENEATH THE FLOOR AND SIDE SLOPES OF THE BIOFILTRATION AREA, AND COMPACTION OF THE SOILS USED FOR BACK FILL IN THE SOIL PLANTING BED SHALL BE MINIMIZED.

IF COMPACTION OCCURS AT THE BASE OF THE BIOFILTRATION DEVICE, THE SOIL SHALL BE REFRACTURED TO A DEPTH OF AT LEAST 12 INCHES. IF SMEARING OCCURS, THE SMEARED AREAS SHALL BE CORRECTED BY RAKING OR ROTO-TILLING.

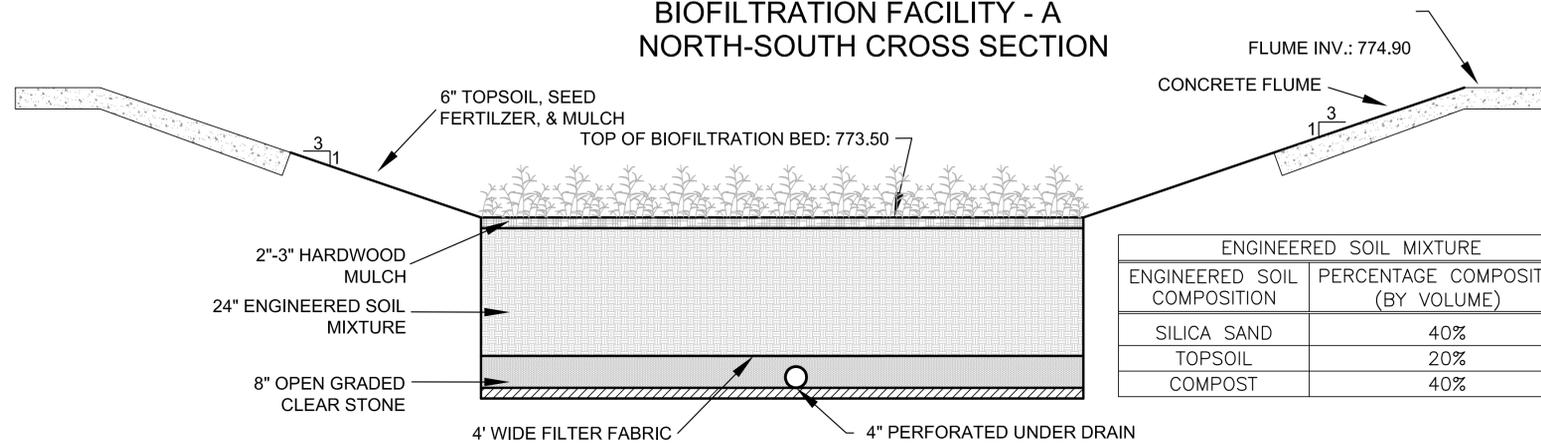
PRIOR TO PLACEMENT IN THE BIOFILTRATION DEVICE, THE ENGINEERED SOIL SHALL BE PRE-MIXED AND THE MOISTURE CONTENT SHALL BE LOW ENOUGH TO PREVENT CLUMPING AND COMPACTING DURING PLACEMENT.

THE ENGINEERED SOIL SHALL BE PLACED IN MULTIPLE LIFTS, EACH APPROXIMATELY 12 INCHES IN DEPTH.

STEPS MAY BE TAKEN TO INDUCE MILD SETTLING OF THE ENGINEERED SOIL BED AS NEEDED TO PREPARE A STABLE PLANTING MEDIUM AND TO STABILIZE THE PONDING DEPTH..



**BIOFILTRATION FACILITY - A
NORTH-SOUTH CROSS SECTION**



**BIOFILTRATION FACILITY - A
EAST-WEST CROSS SECTION**

ENGINEERED SOIL MIXTURE	
ENGINEERED SOIL COMPOSITION	PERCENTAGE COMPOSITION (BY VOLUME)
SILICA SAND	40%
TOPSOIL	20%
COMPOST	40%

THE SAND SHALL MEET ONE OF THE FOLLOWING GRADATION REQUIREMENTS:

- USDA COARSE SAND (.02-.04 INCHES)
- ASTM C33 (FINE AGGREGATE CONCRETE SAND)
- WISCONSIN STANDARDS AND SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 501.2.5.3.4 (FINE AGGREGATE CONCRETE SAND) 2005 EDITION, OR AN EQUIVALENT APPROVED BY ADMINISTERING AUTHORITY.

THE SAND COMPONENT SHALL CONSIST OF MINERAL SAND THAT IS AT LEAST 97% SiO₂. SUBSTITUTIONS, SUCH AS CALCIUM CARBONATED SAND, DOLOMITIC SAND, MANUFACTURED SAND OR STONE DUST ARE NOT ALLOWED. THE SAND SHALL BE WASHED TO REMOVE CLAY AND SILT PARTICLES, AND WELL DRAINED PRIOR TO MIXING.

THE TOPSOIL COMPONENT SHALL BE A USDA CLASSIFIED SANDY LOAM, LOAMY SAND OR LOAM TEXTURE. THE TOPSOIL COMPONENT TEXTURAL CLASS SHALL BE VERIFIED BY A LABORATORY ANALYSIS OR A PROFESSIONAL ACCEPTABLE TO THE JURISDICTION HAVING AUTHORITY.

THE COMPOST COMPONENT SHALL MEET THE REQUIREMENTS OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES SPECIFICATION S100, COMPOST.

THE ENGINEERING SOIL MIXTURE SHALL BE FREE OF ROCKS, STUMPS, ROOTS, BRUSH OR OTHER MATERIAL OVER 1 INCH IN DIAMETER. NO OTHER MATERIALS SHALL BE MIXED WITH THE PLANTING SOIL THAT MAY BE HARMFUL TO PLANT GROWTH OR PROVE A HINDRANCE TO PLANTING OR MAINTENANCE.

THE GRAVEL IN THE STORAGE LAYER SHALL MEET THE COURSE AGGREGATE #2 AND OTHER SPECIFICATIONS OF WISCONSIN STANDARDS AND SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 501.2.5, 2003 EDITION OR AN EQUIVALENT APPROVED BY THE ADMINISTERING AUTHORITY. GRAVEL SHALL BE DOUBLE WASHED.

THE UNDER DRAIN PIPE SHALL HAVE A DIAMETER OF 6 INCHES AND BE MADE OF FLEXIBLE PIPE OR OTHER MATERIAL APPROVED BY THE ADMINISTERING AUTHORITY. THE UNDER DRAIN PIPE SHALL BE PROTECTED FROM CLOGGING BY USE OF FILTER SOCK,

THE PEA GRAVEL LAYER SHALL BE AT LEAST 4 INCHES THICK. PEA GRAVEL SHALL BE WASHED. PEA GRAVEL SHALL BE LARGE ENOUGH TO PREVENT ITS FALLING THROUGH THE PERFORATIONS IN THE PIPE.

FILTER FABRIC SHALL COVER THE UNDER DRAIN PIPE AND SHALL NOT EXTEND LATERALLY FROM EITHER SIDE OF THE PIPE MORE THAN TWO FEET. THE FABRIC SHALL MEET THE SPECIFICATIONS OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 645.2.4, SCHEDULE TEST B, 2003 EDITION, OR AN EQUIVALENT APPROVED BY AN ADMINISTERING AUTHORITY.

THE UNDER DRAIN PIPE SHALL HAVE A VERTICAL, CONNECTING STANDPIPE TO SERVE AS A CLEAN-OUT PORT FOR THE UNDER DRAIN PIPE. THE PIPE SHALL BE RIGID, NON-PERFORATED PVC PIPE, A MINIMUM OF 6 INCHES IN DIAMETER AND COVERED WITH A WATERTIGHT CAP THAT IS FLUSH WITH GROUND AT THE ELEVATION OF THE DEVICE.

THE HDPE CLASS A LINER SHALL BE A MINIMUM THICKNESS OF 60 MILS AND INSTALLED IN ACCORDANCE WITH NRCS WISCONSIN CONSTRUCTION SPECIFICATION 203. THE CONTRACTOR SHALL INFORM THE ENGINEER PRIOR TO PLACEMENT OF THE LINER SO AN INSPECTION OF THE BED MATERIAL CAN BE MADE. THE CONTRACTOR SHALL ALSO ALLOW INSPECTION OF THE LINER IMMEDIATELY FOLLOWING INSTALLATION PRIOR TO FILLING WITH ENGINEERED FILL MIXTURE.

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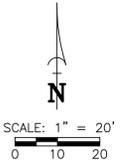
POND DETAIL
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SUBWAY - MIDWAY ROAD: LANDSCAPE PLAN



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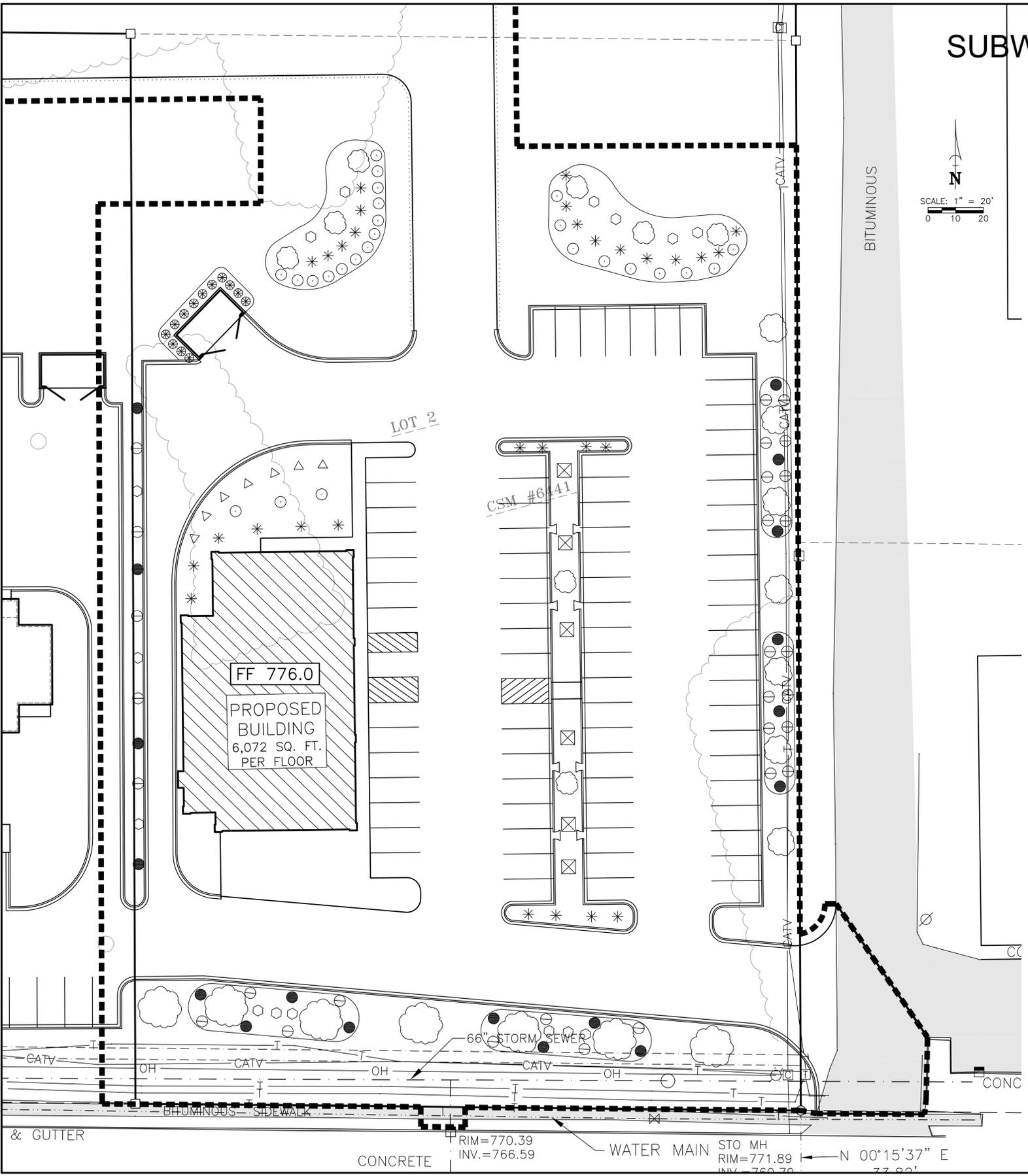
LANDSCAPE LEGEND	
	EMERALD GREEN ARBS
	PYGYM ARB GLOBES
	SPIREA
	DAYLILLIES
	SUMMER WINE NINEBARK
	DWARF ARTIC BLUE WILLOW
	MUGO PINE
	PINK POTENTILLA
	TREES

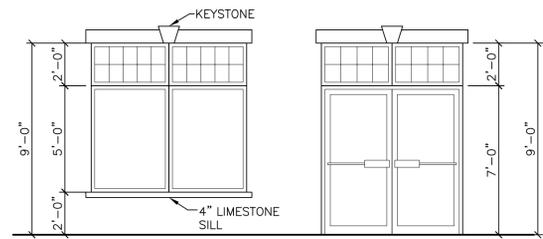
LANDSCAPE PLAN SUBWAY - MIDWAY ROAD CITY OF MENASHA, WINNEBAGO COUNTY, WISCONSIN

SCALE: 1" = 20'
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TOPOGRAPHIC LEGEND		
	OVERHEAD POWER LINES	
	UNDERGROUND ELECTRIC	
	UNDERGROUND TELEPHONE	
	UNDERGROUND FIBEROPTIC	
	UNDERGROUND GAS	
	UNDERGROUND CABLE TV	
	EXIST. FENCE LINE	
	SIGN	
	POWER POLE	
	GUY	
	LIGHT POLE	
	TELEPHONE PEDESTAL	
	ELECTRIC PEDESTAL	
	CABLE PEDESTAL	
	EXIST. HYDRANT	
	WATER VALVE	
	WATER STOP BOX	

DRAWING NO. C7.0





WINDOW/DOOR ELEVATION

SCALE: 1/4"=1'-0"
VERIFY W/ GLASS MANF. SPECS.

SPECIFIED MATERIAL STRENGTHS

1. Poured-in-Place Concrete, f'c
Floors 3000 PSI @ 28 days 1" Stone
Foundations 3000 PSI @ 28 days 1 1/2" Stone
Exposed 3000 PSI @ 28 days Air Entrained 5-7%
ASTM A615
ASTM A185
ASTM A-992
2. Reinforcing Steel
ASTM A-36
ASTM A325, Type N
ASTM A307
3. Welded Wire Fabric
2500 PSI @ 28 days
1500 PSI
4. Structural Steel (unless otherwise noted)
5. Steel Tubing
6. Miscellaneous
7. Bolts for Structural Connections
8. Anchor Bolts
9. Masonry Grout, f'c
10. Masonry Running Bond, f'm
11. Timber - #1/ #2 SPF or Equal
Timber Studs, Headers and Sills (unless noted)
Fb = 875 PSI
Fv = 70 PSI
Fc = 1050 PSI
E = 1,400,000 PSI
Machine Stress Rated Lumber
Fb = 1650 PSI
Fv = 70 PSI
Fc = 1700 PSI
E = 1,500,000 PSI
2000 PSF Presumed
Soil Classification = sandy clay - presumed
12. Allowable Soil Bearing Pressure

DESIGN LOADS

1. SNOW LOAD GROUND SNOW Pg. 40=PSF
Ce= 1 Ct= 1
Is= 1 Cs= 1
SNOW LOAD Pf= Pg x 0.7 x 1s x CE x Cs= 28 PSF
- ROOF DEAD LOAD
TOP CHORD ROOF SHINGLES 3 PSF
SHEATHING 2 PSF
INSULATION 2 PSF
WOOD TRUSSES 4 PSF
- BOTTOM CHORD MECHANICAL 2 PSF
ELECTRICAL 2 PSF
MISCELLANEOUS 2 PSF
TOTAL DEAD LOAD 17 PSF

LIVE LOAD

1. OFFICE AREA 50=PSF +20 PSF PARTITION LOAD
2. CORRIDOR 80=PSF

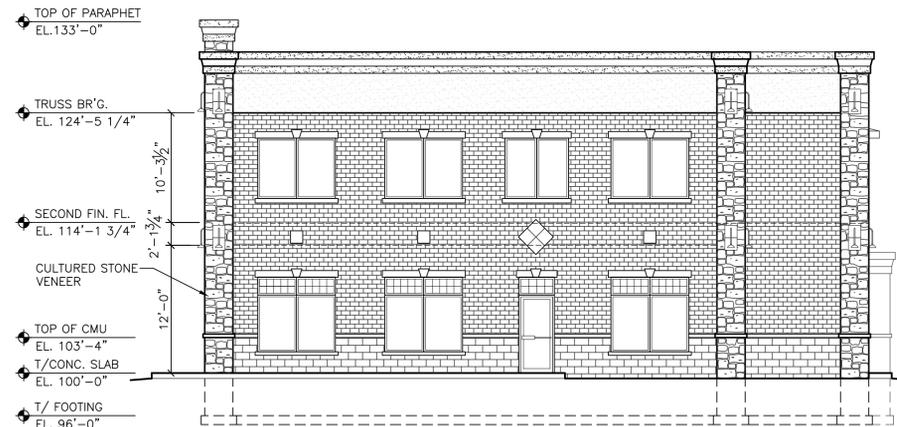
SEISMIC REQUIREMENTS

SITE CLASS= D
Ie= 1.0 SDS= .11 SD1= .05
GROUP USE 1
SEISMIC DESIGN CATEGORY= A
SEISMIC BASE SHEAR= 3,400 lbs
SEISMIC RESISTING SYSTEM= BEARING WALL SYSTEM-
K) LIGHT FRAMED CONSTRUCTION W. SHEAR WALLS -WOOD
SEISMIC ANALYSIS PROCEDURE=NOT REQUIRED PER IBC 1616.6 - EXCEPTION 1.



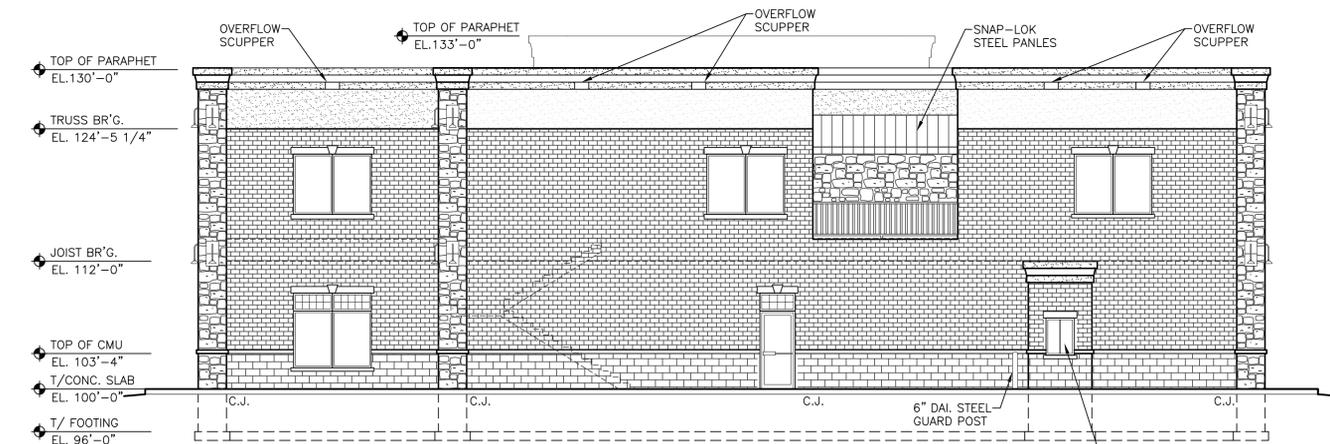
EAST ELEVATION

SCALE: 1/8"=1'-0"



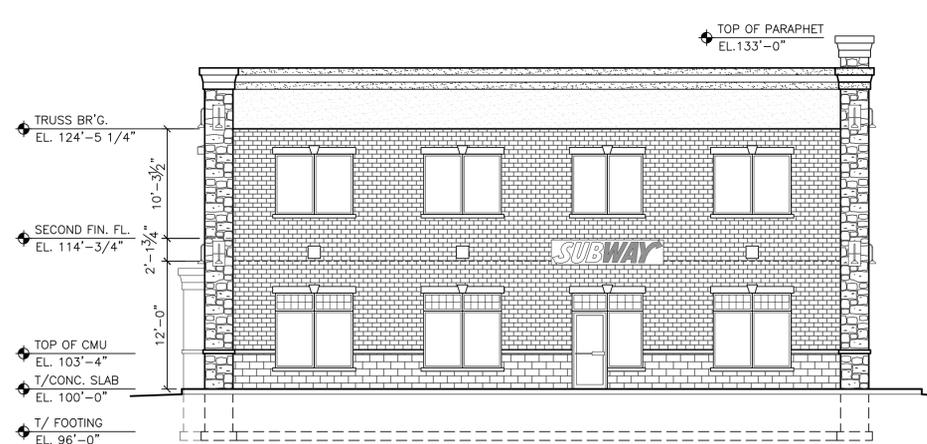
NORTH ELEVATION

SCALE: 1/8"=1'-0"



WEST ELEVATION

SCALE: 1/8"=1'-0"



SOUTH ELEVATION

SCALE: 1/8"=1'-0"

UNITED BUILDING SYSTEMS, LLC.

W1988 LINSMEYER ROAD 54165
SEYMOUR, WISCONSIN
(920) 833-1700 FAX (920) 833-1701
DESIGN & BUILD GENERAL CONTRACTOR

REVISIONS:
A



PROPOSED 5,947 SQ. FT. BUILDING FOR:
BMG PROPERTIES
MENASHA, WISCONSIN

PROJ. MNG.: PAUL WENNINGER
MOBILE: (920) 819-8931
BAY ARCHITECTS, LLC

DATE: 06-28-10
JOB NUMBER: 10-0011
DRAWN BY: M. OLSON

A4

IBC 2902.1 DRINKING FACILITIES ARE REQUIRED BASED ON THE TYPE OF OCCUPANCY AND IN THE MINIMUM NUMBER SHOWN IN TABLE 2902.1 DRINKING FOUNTAINS MAY BE OMITTED WHERE OTHER ACCEPTABLE ARRANGEMENTS ARE MADE TO PROVIDE DRINKING WATER. ACCEPTABLE ARRANGEMENTS INCLUDE PROVIDING BOTTLED-WATER COOLERS, PROVIDING A SINK WITH CUPS IN BREAK ROOMS, OR PROVIDING FREE DRINKING WATER SERVICE AT RESTAURANTS. IT IS NOT ACCEPTABLE TO PROVIDE DRINKING WATER INSIDE RESTROOMS OR SERVICE CLOSETS.

NOTE:
IBC 1209.1 PROVIDE TOILET AND BATHING ROOM FLOORS WITH A SMOOTH, HARD, NONABSORBENT SURFACE EXTENDING A MINIMUM OF 6 INCHES ALONG THE WALL.
IBC 1209.2 PROVIDE TOILET AND BATH ROOM WALLS WITHIN 2 FT OF A URINAL OR TOILET WITH A SMOOTH, HARD, NONABSORBENT SURFACE THAT EXTENDS TO A HEIGHT OF AT LEAST 4 FT.

EGRESS
1. EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. EXITS SIGNS SHALL BE ILLUMINATED.
2. THE SYMBOL TO DENOTE AN EXIT SIGN LOCATION IS THAT OF A CIRCLE CONTAINING AN "X".
3. THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.
4. STAIRWAYS SHALL HAVE HANDRAILS ON EACH SIDE. HANDRAIL HEIGHT, MEASURED ABOVE STAIR TREAD NOSING, SHALL BE UNIFORM, NOT LESS THAN 34" AND NOT MORE THAN 38".

FIRE EXTINGUISHERS
PORTABLE FIRE EXTINGUISHERS SHALL BE SELECTED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH IFC 906 AND NFPA 10. FOR OCCUPANCIES OF ORDINARY HAZARD THE MAX. TRAVEL DISTANCE TO A FIRE EXTINGUISHER IS 75'.

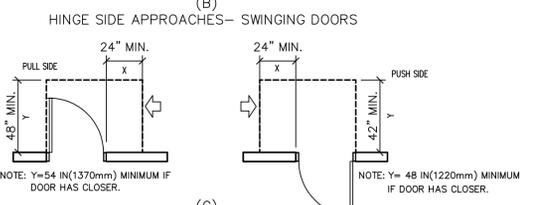
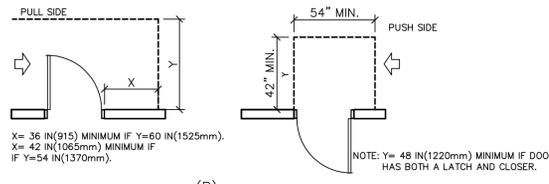
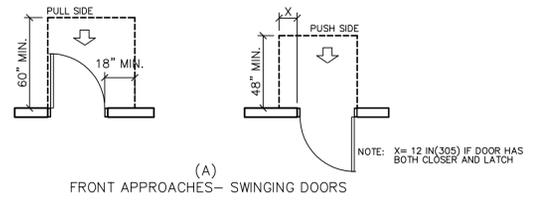
RESTROOMS
1. FLOORS SHALL HAVE A SMOOTH, HARD NONABSORBENT SURFACE THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 6" U.N.O.
2. WALLS WITHIN 2' OF URINALS W/NA WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE, TO A HEIGHT OF 4' ABOVE THE FLOOR.
3. AT LEAST ONE OF EACH TYPE OF FIXTURE, ELEMENT, CONTROL OR DISPENSER IN EACH ACCESSIBLE TOILET ROOM AND BATHING FACILITY SHALL BE ACCESSIBLE.
4. DOORS TO UNISEX TOILET ROOM SHALL HAVE A PRIVACY LOCK.

ROOM #	ROOM NAME	ROOM FINISH SCHEDULE												REMARKS						
		CARPET	VINYL COMPOSITION TILE	CERAMIC TILE	CONCRETE	NONE	VINYL BASE	CERAMIC TILE BASE	WOOD BLOCK	NONE	PAINTED CONCRETE BLOCK	GLASS BOARD	LINER PANEL		SHEETROCK	ACoustic CEILING TILE	VINYL FACED GYPSUM BOARD	LINER PANEL	NONE	FINISHED HEIGHT
101	DINING																		9'-10"	
102	PREP AREA																		9'-10"	
103	VESTIBULE																		9'-10"	
104	MECHANICAL																		12'-0"	
105	ELEVATOR MECH.																		12'-0"	SHEET ROCK CEILING
106	ELEVATOR																		8'-0"	SEE ELEVATOR MANF. SPECS.
107	MEN'S TOILET																		8'-0"	
108	WOMEN'S TOILET																		8'-0"	
109	VESTIBULE																		9'-10"	U.L. DESIGN 528 (1 HR. CEILING)
110	UNIT B																		9'-10"	

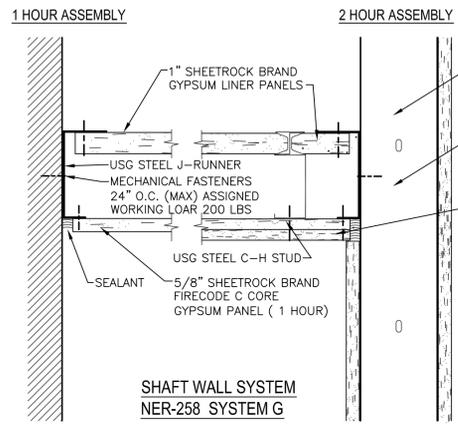
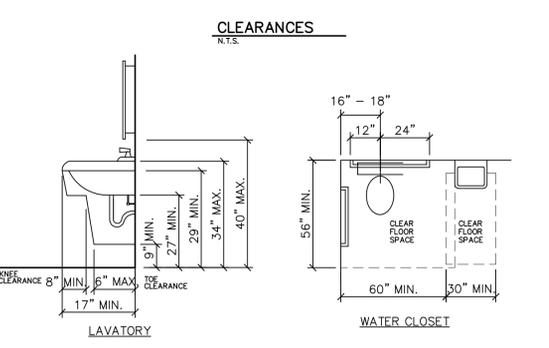
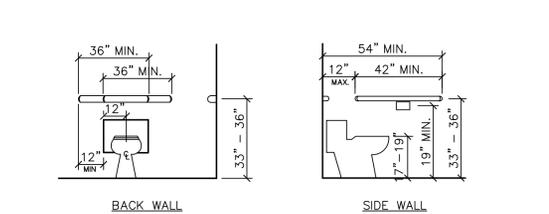
COMMENTS
 (P) - PLASTER/PAINT (A) - ACOUSTIC CEILING - 2' x 2' REVEALED EDGE
 (S) - CONCRETE SEALER (B) - ACOUSTIC CEILING - 2' x 4' FLAT

HARDWARE NOTES:
 1. ENTRY LOCK
 2. PASSAGE LOCK
 3. STORAGE LOCK
 4. PRIVACY LOCK
 5. CYLINDER
 6. CLOSER
 7. WALL STOP
 8. OVERHEAD STOP
 9. FLOOR STOP
 10. WEATHER STRIPPING
 11. KICK PLATE
 12. PUSH PULL

DOOR NUMBER	DOOR SIZES	ROUGH OPENING	DOOR			FRAME			HARDWARE NOTES	RATING	GENERAL NOTES
			MATERIAL	TYPE	FINISH	MATERIAL	TYPE	FINISH			
101.1	36"	37 1/4" x 81 1/8"	WOOD	-	STAINED	STEEL	-	PRE-FIN.	PRIVACY LOCK	TIMELY DOOR (1 HR. RATING)	
101.2	(2) 36"	76 1/2" x 108"	ALUMINUM	-	PRE-FIN.	ALUMINUM	-	PRE-FIN.	ENTRY LOCK	GLASS ENTRY DOORS	
101.3	36"	40 1/2" x 108"	ALUMINUM	-	PRE-FIN.	ALUMINUM	-	PRE-FIN.	ENTRY LOCK	GLASS ENTRY DOOR	
101.4	36"	37 1/4" x 81 1/8"	WOOD	-	STAINED	STEEL	-	PRE-FIN.	PRIVACY LOCK	TIMELY DOORS	
102.1	36"	-	STEEL	-	PAINTED	STEEL	-	PAINTED	PASSAGE	1 HR. RATING	
103.1	36"	-	STEEL	-	PAINTED	STEEL	-	PAINTED	PASSAGE	1 HR. RATING	
103.2	36"	37 1/4" x 81 1/8"	WOOD	-	STAINED	STEEL	-	PRE-FIN.	PRIVACY LOCK	TIMELY DOORS	
103.3	36"	37 1/4" x 81 1/8"	WOOD	-	STAINED	STEEL	-	PRE-FIN.	PRIVACY LOCK	TIMELY DOORS	
103.4	36"	40 1/2" x 108"	ALUMINUM	-	PRE-FIN.	ALUMINUM	-	PRE-FIN.	ENTRY LOCK	GLASS ENTRY DOOR	
104.1	36"	37 1/4" x 81 1/8"	WOOD	-	STAINED	STEEL	-	PRE-FIN.	PRIVACY LOCK	TIMELY DOOR	
105.1	36"	37 1/4" x 81 1/8"	WOOD	-	STAINED	STEEL	-	PRE-FIN.	PRIVACY LOCK	TIMELY DOOR	
106.1	48"	48" x 84"	-	-	PRE-FIN.	-	-	PRE-FIN.	-	SEE ELEV. SPECS.	
107.1	36"	37 1/4" x 81 1/8"	WOOD	-	PRE-FIN.	STEEL	-	PRE-FIN.	PASSAGE	TIMELY DOOR (1 HR. RATING)	
108.1	36"	37 1/4" x 81 1/8"	WOOD	-	PRE-FIN.	STEEL	-	PRE-FIN.	PASSAGE	TIMELY DOOR (1 HR. RATING)	
109.1	(2) 36"	76 1/2" x 108"	ALUMINUM	-	PRE-FIN.	ALUMINUM	-	PRE-FIN.	ENTRY LOCK	GLASS ENTRY DOORS	
109.2	36"	-	STEEL	-	PAINTED	STEEL	-	PAINTED	PASSAGE	1 HR. RATING	
110.1	36"	-	STEEL	-	PAINTED	STEEL	-	PAINTED	PASSAGE	1 HR. RATING	
110.2	36"	40 1/2" x 108"	ALUMINUM	-	PRE-FIN.	ALUMINUM	-	PRE-FIN.	ENTRY LOCK	GLASS ENTRY DOOR	
110.3	36"	40 1/2" x 108"	ALUMINUM	-	PRE-FIN.	ALUMINUM	-	PRE-FIN.	ENTRY LOCK	GLASS ENTRY DOOR	
110.4	36"	37 1/4" x 81 1/8"	WOOD	-	STAINED	STEEL	-	PRE-FIN.	PRIVACY LOCK	TIMELY DOOR (1 HR. RATING)	



NOTE: ALL DOORS IN ABOVE SHALL COMPLY WITH THE CLEARANCES FOR FRONT APPROACHES.
MANEUVERING CLEARANCES AT DOORS
 NOTE: ALL DOOR HANDLES SHALL BE LEVER OR LOOP TYPE



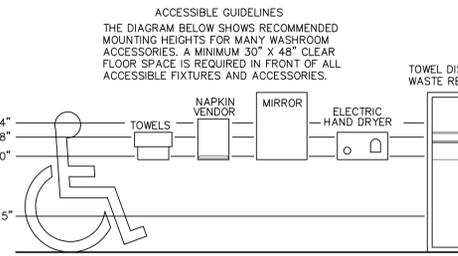
BUILDING SQUARE FOOTAGE
 FIRST FLOOR: 5,947 S.F.
 SECOND FLOOR: 5,780 S.F.
 TOTAL FLOOR AREA: 11,727 S.F.

CONSTRUCTION AND OCCUPANCY TYPE
 OCCUPANCY TYPE: BUSINESS (B)
 CONSTRUCTION TYPE: 5B

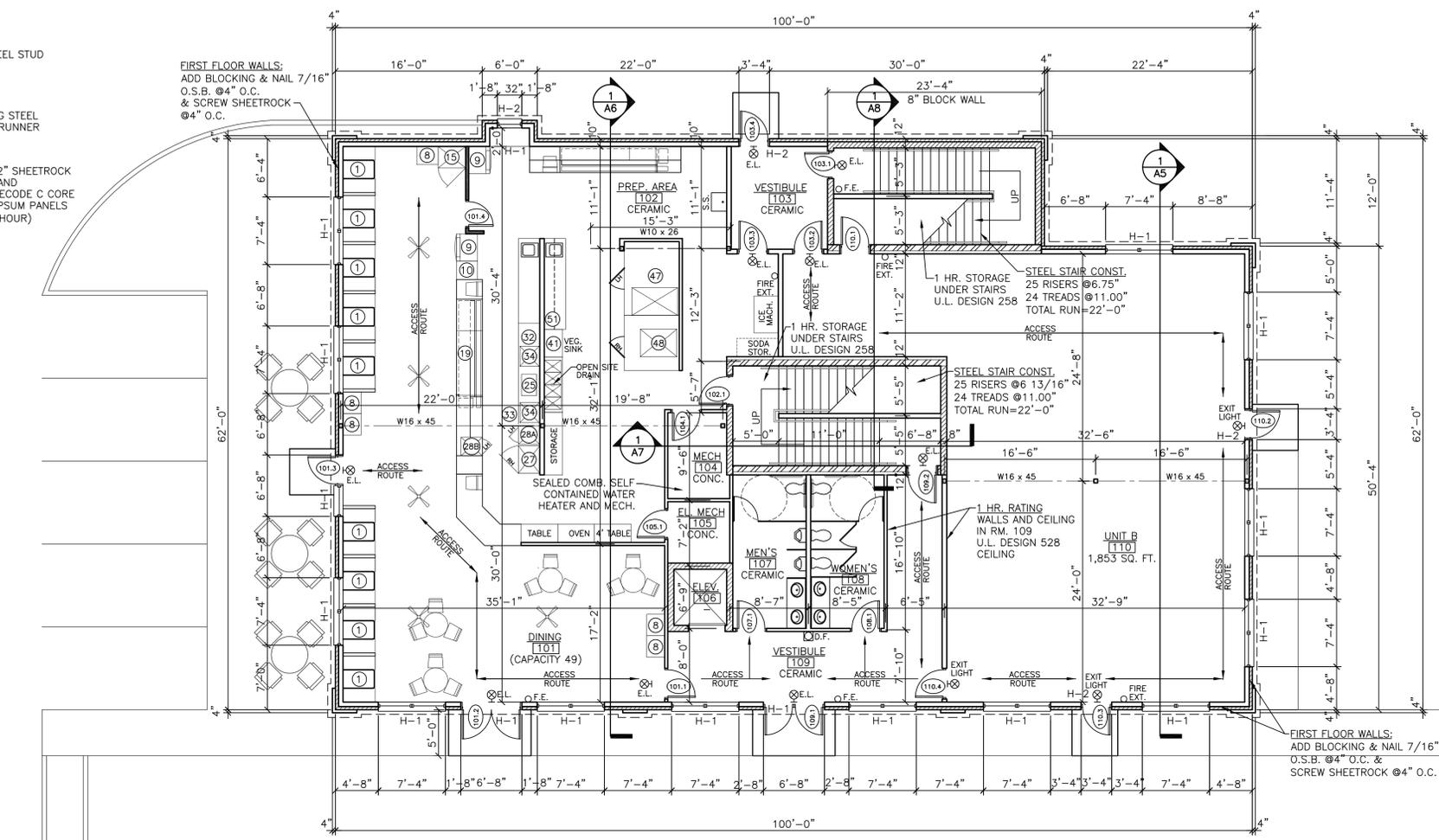
NOTE!
 ALL TOILET ROOM FINISHES SHALL BE IMPERVIOUS TO WATER. ALL HEATING EQUIPMENT SHALL BE SEALED COMBUSTION, DIRECT VENT OR ELECTRIC.

IMPORTANT NOTE:
 IT IS AGREED THAT ALTHOUGH EVERY EFFORT HAS BEEN MADE IN PREPARING AND CHECKING THESE PLANS FOR ACCURACY, THE GENERAL CONTRACTOR/OWNER MUST REVIEW ALL DIMENSIONS, DETAILS AND NOTES BEFORE BEGINNING ANY CONSTRUCTION AND IS HEREBY HELD RESPONSIBLE FOR ANY DISCOVERED DISCREPANCIES.

BOTTLED DRINKING WATER
 PROVIDE BOTTLED DRINKING WATER AS SHOWN ON PLAN WITH CUP DISPENSER PER ANSI 117 SPECS.



QUICK REFERENCE GUIDELINES
 (BE SURE TO REFERENCE WITH ADA CODE)



NOTE:
 ALL ROOMS ARE HANDICAP ACCESSIBLE

FLOOR PLAN
 SCALE: 1/8"=1'-0"

INTERIOR WALL CONSTRUCTION
 2x4 STUD WALL @ 16" O/C WITH SOUND BATT INSULATION AND MIN. 1/2" GYP. BOARD EACH SIDE. UNLESS OTHERWISE NOTED.

MARK	MEMBER	SHOULDER STUDS	KING STUDS	NOTE
H-1	3-PLY 10" L.V.L.	2 PLY 2x6	2 PLY 2x6	5 ROWS 16d @6" O.C. PER PLY
H-2	3-PLY 2x10 D.F.	1 PLY 2x6	1 PLY 2x6	3 ROWS 16d @6" O.C. PER PLY
H-3	3-PLY 2x14 L.V.L.	2 PLY 2x6	2 PLY 2x6	5 ROWS 16d @6" O.C. PER PLY

MATERIAL SCHEDULE AND SYMBOLS

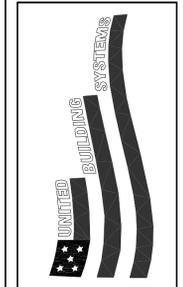
- POURED CONCRETE
- 4" BRICK VENEER
- 2x6 STUD WALL 16" O.C.
- FIRE EXTINGUISHER
- EXIT LIGHT
- DOWNSPOUT LOCATION TO STORM
- FLOOR DRAIN
- BOTTLED WATER

JOB SITE LOCATION
 BMG PROPERTIES-MENASHA
 MIDWAY ROAD-CTH "AP"
 MENASHA, WISCONSIN 54952

PROJECT ARCHITECT
 BAY ARCHITECTS, LLC
 3019 HOLMGREN WAY
 GREEN BAY, WI 54304
 (920) 337-9400

UNITED BUILDING SYSTEMS, LLC.
 W1988 LINSMEYER ROAD
 SEYMOUR, WISCONSIN 54165
 (920) 833-1700 FAX (920) 833-1701
 DESIGN & BUILD GENERAL CONTRACTOR

REVISIONS:
 A



DATE: 06-28-10
 JOB NUMBER: 10-0011
 DRAWN BY: M. OLSON

PROPOSED 5,947 SQ. FT. BUILDING FOR:
 BMG PROPERTIES
 MENASHA, WISCONSIN
 PROJ. MNG.: PAUL WENINGER
 MOBILE: (920) 819-8931
 BAY ARCHITECTS, LLC

A2

A NEW FIRE STATION #36 FOR: NEENAH - MENASHA FIRE RESCUE

MENASHA, WISCONSIN

MATERIAL INDEX-PLANS, SECTIONS

	EARTH		FINISHED LUMBER
	COMPACTED FILL		RIGID INSULATION
	GRAVEL FILL		BATT INSULATION
	CERAMIC TILE		DRYWALL
	POURED CONCRETE		STEEL
	CONCRETE BLOCK		PRECAST CONCRETE
	CONCRETE BLOCK FILLED		ACOUSTIC TILE
	FACE BRICK		BITUMINOUS PAVING
	STONE		EXISTING WALL TO BE REMOVED
	ROUGH LUMBER		EXISTING WALL TO REMAIN
	PLYWOOD		CONSTRUCT NEW WALL

REFERENCE SYMBOLS

SECTION CUT SYMBOL (WALL SECTIONS)



PLAN DETAIL / ENLARGED PLAN SYMBOL



DETAIL CUT SYMBOL



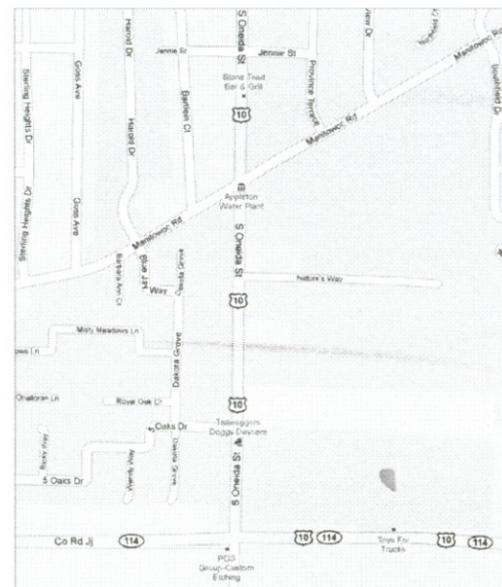
DRAWING SYMBOLS

- DOOR TAG
- REVISION NUMBER
- WINDOW TAG
- COLUMN LINE DESIGNATION- NEW
- WALL TYPE
- STAIRWAY DIRECTION INDICATION
- KEYNOTE MARK - ACCESSORIES
- KEYNOTE MARK - DEMOLITION NOTES
- KEYNOTE MARK - PLAN NOTES
- SPOT ELEVATION MARKER

PROJECT DATA	
GOVERNING AUTHORITY - WISCONSIN DEPT. OF COMMERCE SAFETY AND BUILDINGS DIVISION	
REFERENCED CODE	INTERNATIONAL BUILDING CODE 2006
CLASS OF CONSTRUCTION	V-B
OCCUPANCY CLASSIFICATION	BUSINESS (B) / STORAGE (S-2)
LOCAL ZONING AUTHORITY	CITY OF MENASHA
BUILDING SPRINKLED	YES
BUILDING AREA:	

PROJECT LOCATION

1108 PROVINCE TERRACE
MENASHA, WISCONSIN 54952



NOTE:
THE INTENT AND MEANING OF THE CONSTRUCTION DOCUMENTS IS THAT THE CONTRACTOR UNDER THE TERMS OF THE CONTRACT SHALL TAKE ALL ACTIONS NECESSARY AND REQUIRED TO PROVIDE ALL LABOR, MATERIALS, SUPPLIES, EQUIPMENT, TRANSPORTATION, FACILITIES AND APPURTENANCES WHICH ARE INDICATED OR REASONABLY IMPLIED BY EACH DRAWING AND EACH SECTION OF THE SPECIFICATIONS, ALL OF WHICH ARE COLLECTIVELY NECESSARY AND REQUIRED FOR THE CONSTRUCTION OF THE DESCRIBED STRUCTURES AND FACILITIES.

NOTE:
ALL TRADES SHALL CROSS REFERENCE ALL CONSTRUCTION DOCUMENTS FOR COORDINATION AND SCOPE OF WORK

SPRINKLER SYSTEM:
THIS ENTIRE BUILDING IS PROTECTED BY AN AUTOMATIC FIRE SPRINKLER SYSTEM.

NOTE:
THIS IS AN AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) PROJECT. CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH THE FEDERAL REGULATIONS.

SHEET INDEX

- ARCHITECTURAL**
 - C-S COVER SHEET - SITE
- CIVIL**
 - C-1.0 TOPOGRAPHIC SURVEY
 - C-1.1 GRADING & DRAINAGE PLAN
 - C-1.2 EROSION & SEDIMENT CONTROL PLAN
 - C-1.3 UTILITY PLAN
 - C-2.1 BIOFILTRATION DETAILS
 - C-2.2 RAIN GARDEN AND ARTIFICIAL WETLANDS DETAILS
- ARCHITECTURAL**
 - A-0.1 SITE PLAN, SITE DETAILS
 - L-0.1 LANDSCAPE PLAN
 - A-1.1 FIRST & MEZZANINE FLOOR PLANS
 - A-1.2 GARAGE PLANS, SECTIONS & ELEVATIONS
 - A-4.1 EXTERIOR ELEVATIONS
- ELECTRICAL**
 - E-S SITE PHOTOMETRICS

CONSULTANTS

ARCHITECTURAL
GRIES ARCHITECTURAL GROUP, INC.
500 N. COMMERCIAL STREET
NEENAH, WISCONSIN 54956
PH (920)722-2445 FX (920)722-6605
CONTACT: STEVE BORSECNIK, AIA, LEED AP

CIVIL
DAVEL ENGINEERING & ENVIRONMENTAL, INC.
1811 RACINE STREET
MENASHA, WISCONSIN 54952
PH (920)991-1866 FX (920)830-9595
CONTACT: JOHN DAVEL, P.E.

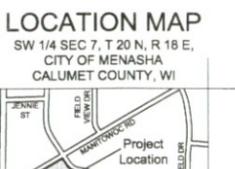
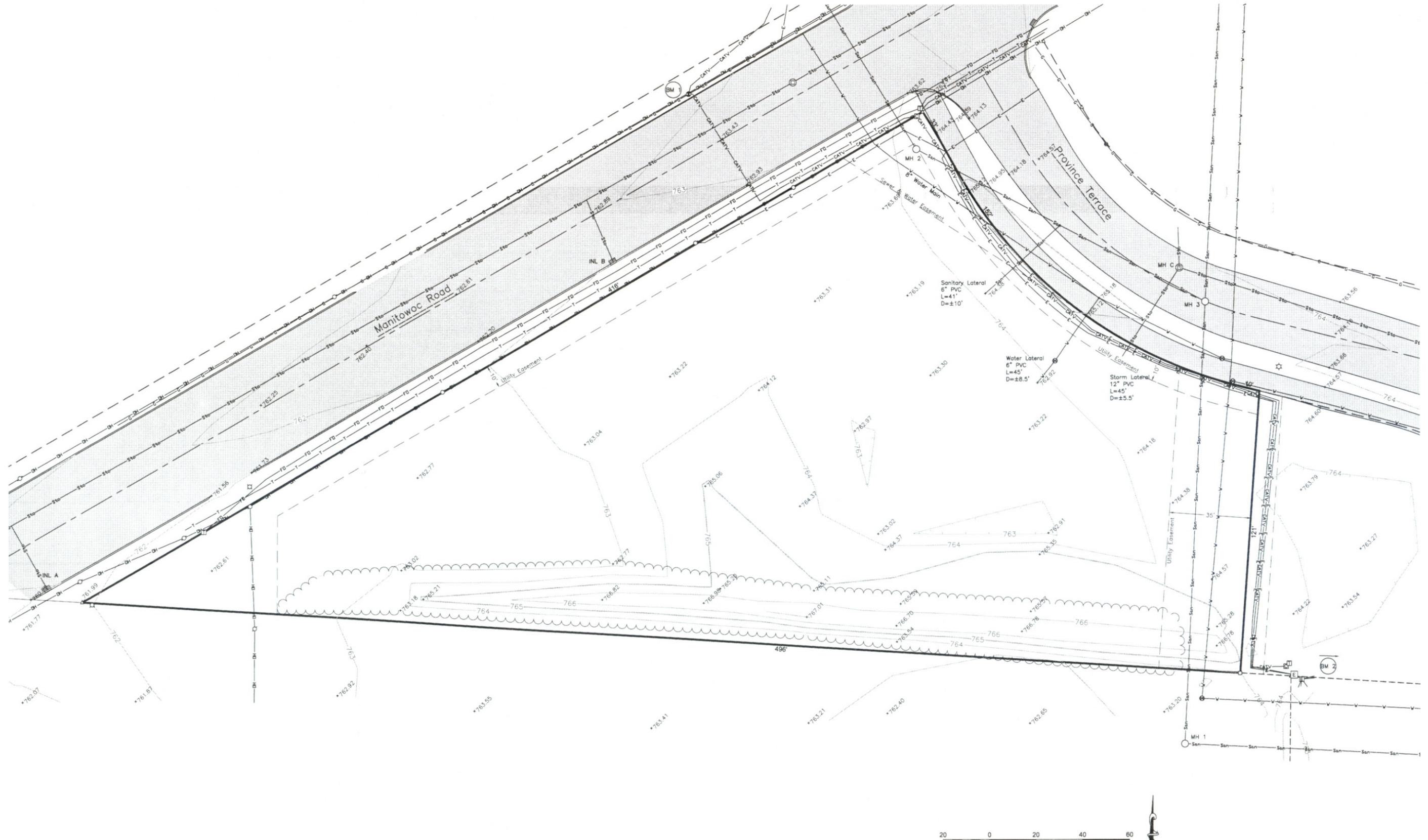
SITE PLAN SUBMITTAL - 08-31-10



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A NEW FIRE STATION #36 FOR:
NEENAH - MENASHA FIRE RESCUE
MENASHA, WISCONSIN

date	08/27/2010
job	10-052
d by	S.M.B.
rev.	08/31/10



BENCHMARKS (Per Shuler & Associates June 29, 2010)

STRUCTURE TABLE

Structure	Point	Elevation
Sanitary	MH 1 Rim	763.42
	8" PVC N	753.57
	8" PVC E	763.47
MH 2	Rim	764.30
	8" PVC SE	764.45
MH 3	Rim	764.29
	8" PVC NE	754.14
	8" PVC S	754.09
Storm	INL A Rim	760.97
	12" RCP NW	757.87
INL B	Rim	762.40
	15" RCP NW	759.21

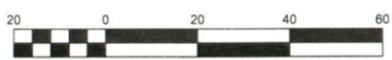
SURVEYOR'S CERTIFICATE

I, James R. Sehiuff, hereby certify that I have surveyed this property and this topographical map is a true representation thereof and shows the size and location of the property and the location of all apparent roadways. I hereby certify that said topographical survey and map were made in accordance with acceptable professional standards and that the information contained thereon is, to the best of my knowledge, information and belief, a true and accurate representation thereof.

James R. Sehiuff, Wisconsin Registered Land Surveyor No. S-2692 Date _____

LEGEND

- CATV — CATV — Underground Cable TV
- FD — FD — Underground Fiber Optic
- OH — OH — Overhead Electric Lines
- San — San — Sanitary Sewer
- Sto — Sto — Storm Sewer
- E — E — Underground Electric
- G — G — Underground Gas Line
- Sanitary MH / Tank / Base
- ⊙ Clean Out / Curb Stop / Pull Box
- ⊕ Storm Manhole
- ⊖ Inlet
- ⊗ Catch Basin / Yard Drain
- ⊙ Water MH / Well
- ⊕ Hydrant
- ⊙ Utility Valve
- ⊠ CATV Pedestal
- ⊡ Gas Regulator
- ⊓ Railroad Signal
- ⊔ Sign
- ⊕ Tower / Silo
- ⊖ Post / Guard Post
- ⊗ Satellite Dish
- ⊙ Large Rock



TOPOGRAPHIC SURVEY

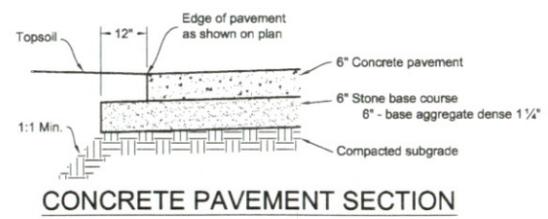
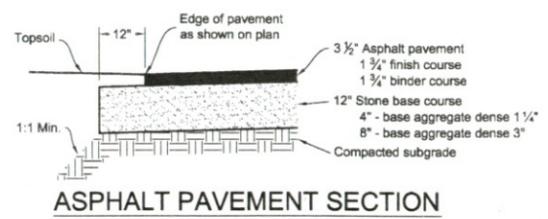
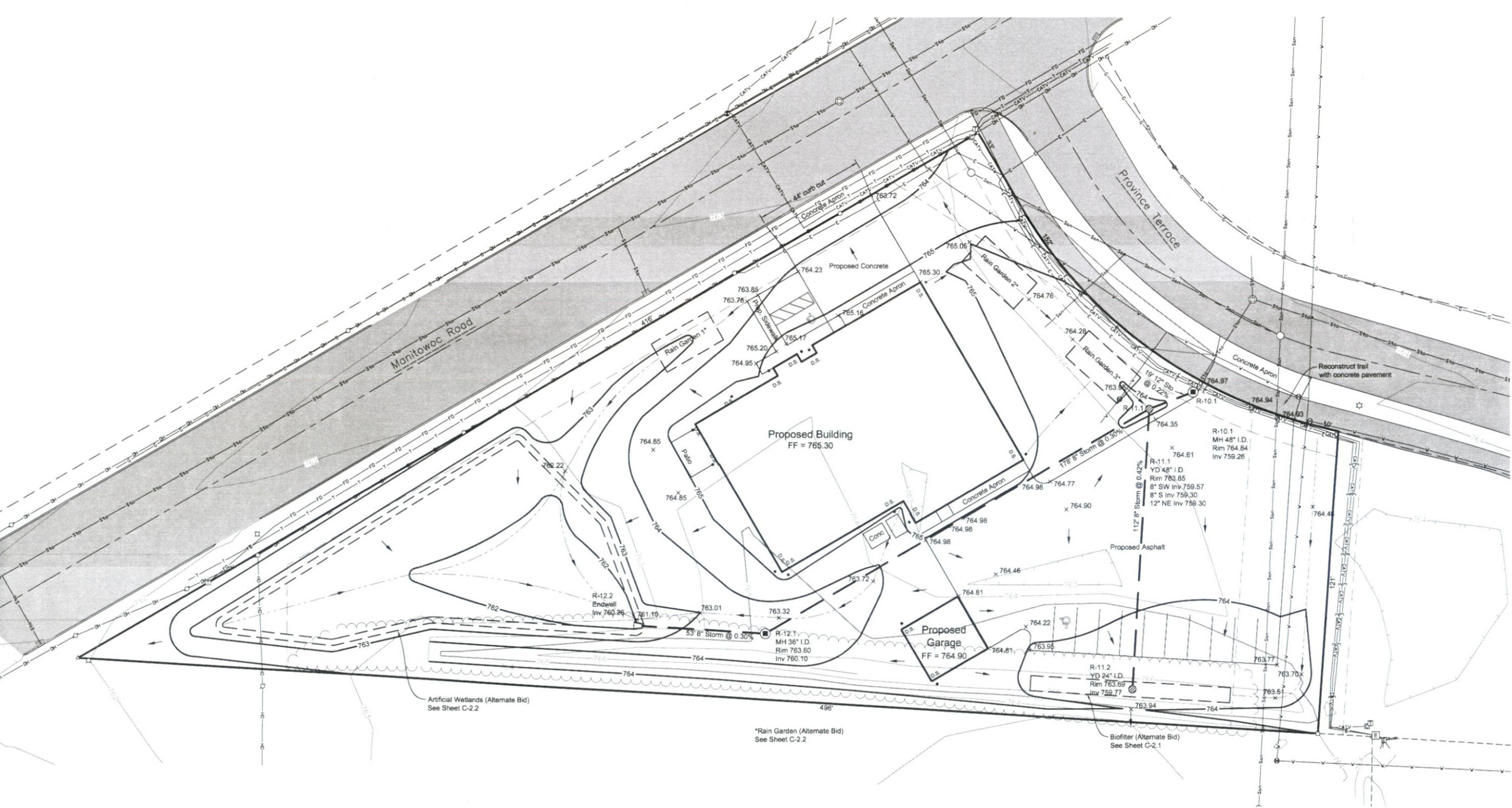
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 500 North Commercial Street
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A NEW FIRE STATION #36 FOR:
NEENAH – MENASHA FIRE RESCUE
 MENASHA, WISCONSIN

date: 08/27/10
 job: 10-052
 d. by: SJN
 rev.: _____

Project: \30939\dwg\Civil_30\30939_topo.dwg Printed by: shone



NOTES:

- Existing utilities shown are indicated in accordance with available records and field measurements. The contractor shall be responsible for obtaining exact locations & elevations of all utilities, including sewer and water from the property owners of the respective utilities. All utility the property owners shall be notified by the contractor 72 hours prior to excavation. Contact Digger's Hotline (1-800-242-8511) for exact utility locations.

LEGEND

	Proposed Storm Sewer		Proposed Storm Manhole
	Proposed Sanitary Sewer		Proposed Curb Inlet
	Proposed Watermain		Prop. Catch Basin / Yard Drain

GRADING & DRAINAGE PLAN

Gries Architectural Group Inc.
 609 North Commercial Street
 Neenah, WI 54956
 Phone: 920.722.2445 Fax: 920.722.4605
 www.griesarchitectural.com

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A NEW FIRE STATION #36 FOR:
NEENAH - MENASHA FIRE RESCUE
 MENASHA, WISCONSIN

Project: 3593prn\wg\Civil_3D\3593eng.dwg Printed by: shone

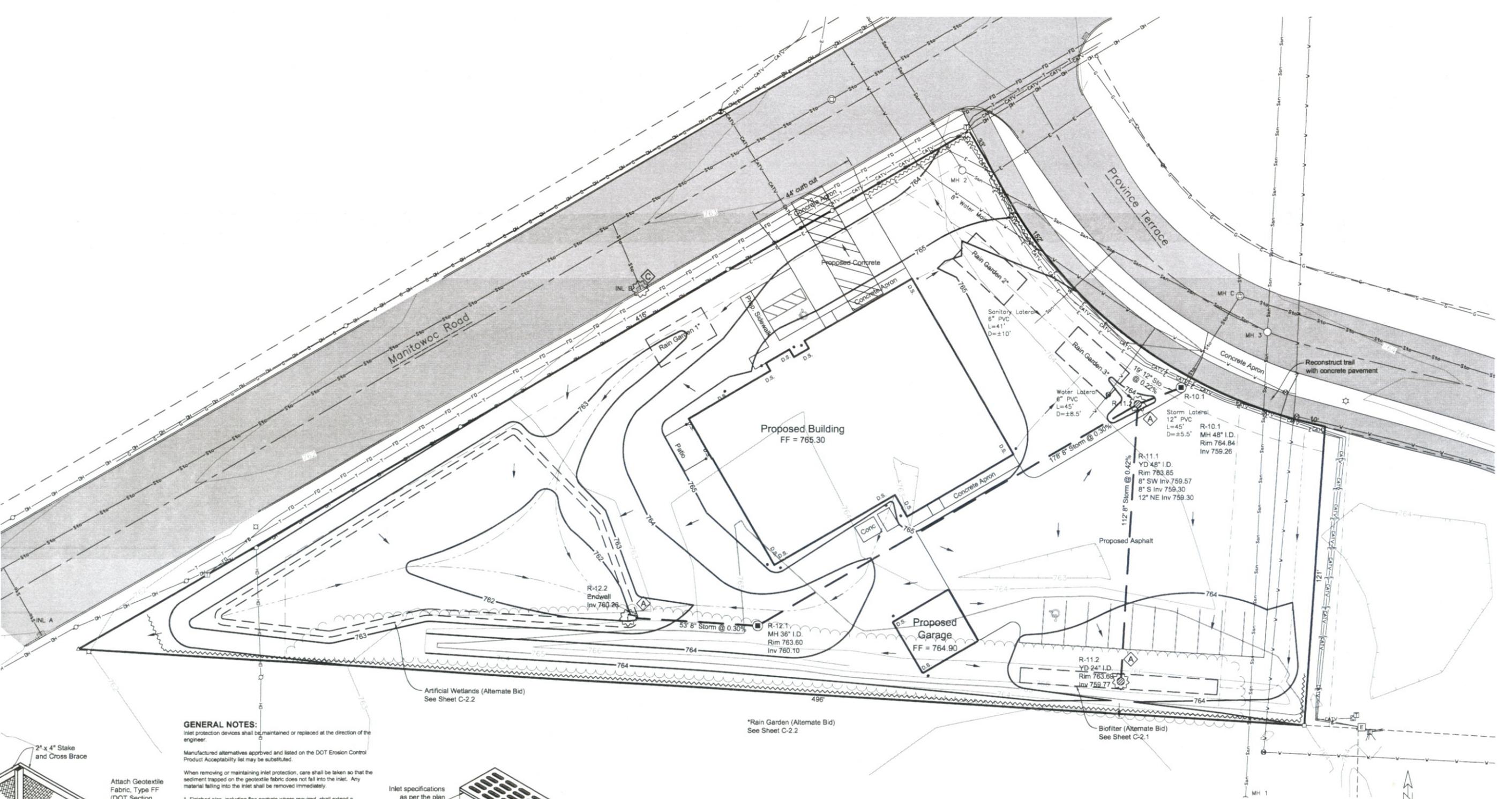
date: 08/27/10
 job: 10-052
 d by: S.J.N.
 rev: --





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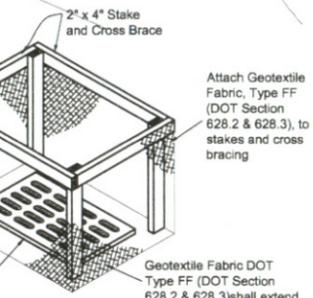
A NEW FIRE STATION #36 FOR:
 NEENAH - MENASHA FIRE RESCUE
 MENASHA, WISCONSIN



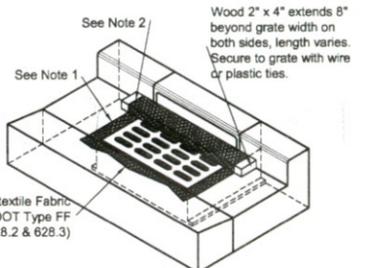
GENERAL NOTES:
 Inlet protection devices shall be maintained or replaced at the direction of the engineer.
 Manufactured alternatives approved and listed on the DOT Erosion Control Product Acceptability list may be substituted.

When removing or maintaining inlet protection, care shall be taken so that the sediment trapped on the geotextile fabric does not fall into the inlet. Any material falling into the inlet shall be removed immediately.

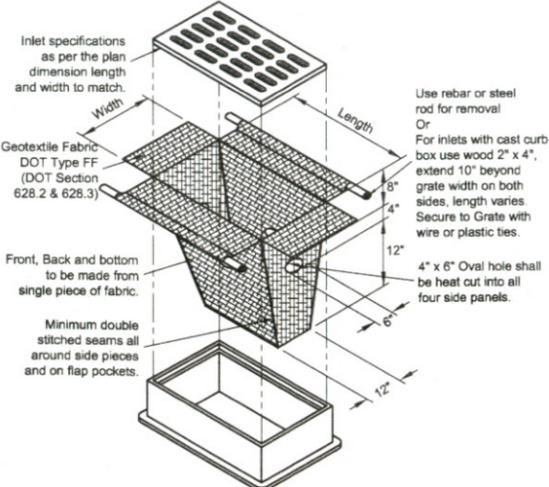
1. Finished size, including flap pockets where required, shall extend a minimum of 10' around the perimeter to facilitate maintenance or removal.
2. For inlet protection, Type C (with curb box), an additional 10' of fabric is wrapped around the wood and secured with staples. The wood shall not block the entire height of the curb box opening.
3. Flap pockets shall be large enough to accept wood 2x4.



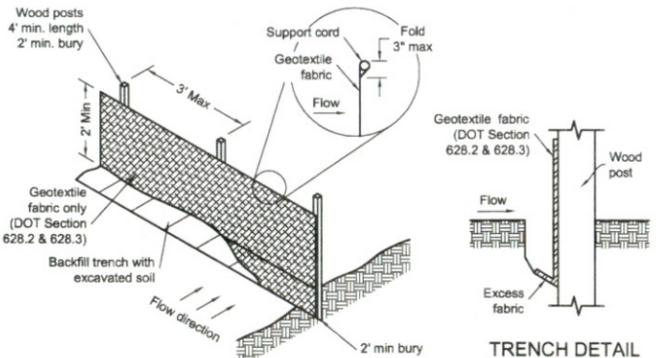
PROTECTION, TYPE A



INLET PROTECTION, TYPE C



INLET PROTECTION, TYPE D
 (CAN BE INSTALLED IN ANY INLET WITH OR WITHOUT A CURB BOX)



TRENCH DETAIL

Silt fence notes:

1. Detail of construction not shown on this drawings shall conform to criteria set by authorities having jurisdiction and by DNR Technical Standard 1056.
2. When possible, the silt fence should be constructed in an arc or horseshoe shape with the ends pointing upslope to maximize both strength and effectiveness.
3. Attach the fabric to the posts with wire staples or wooden lath and nails.
4. 8'-0" post spacing allowed if a woven geotextile fabric is used.
5. The minimum of 4' wide, 6" deep, 2' high sand and gravel filter should be placed on the geotextile fabric. Fold fabric over the filter.



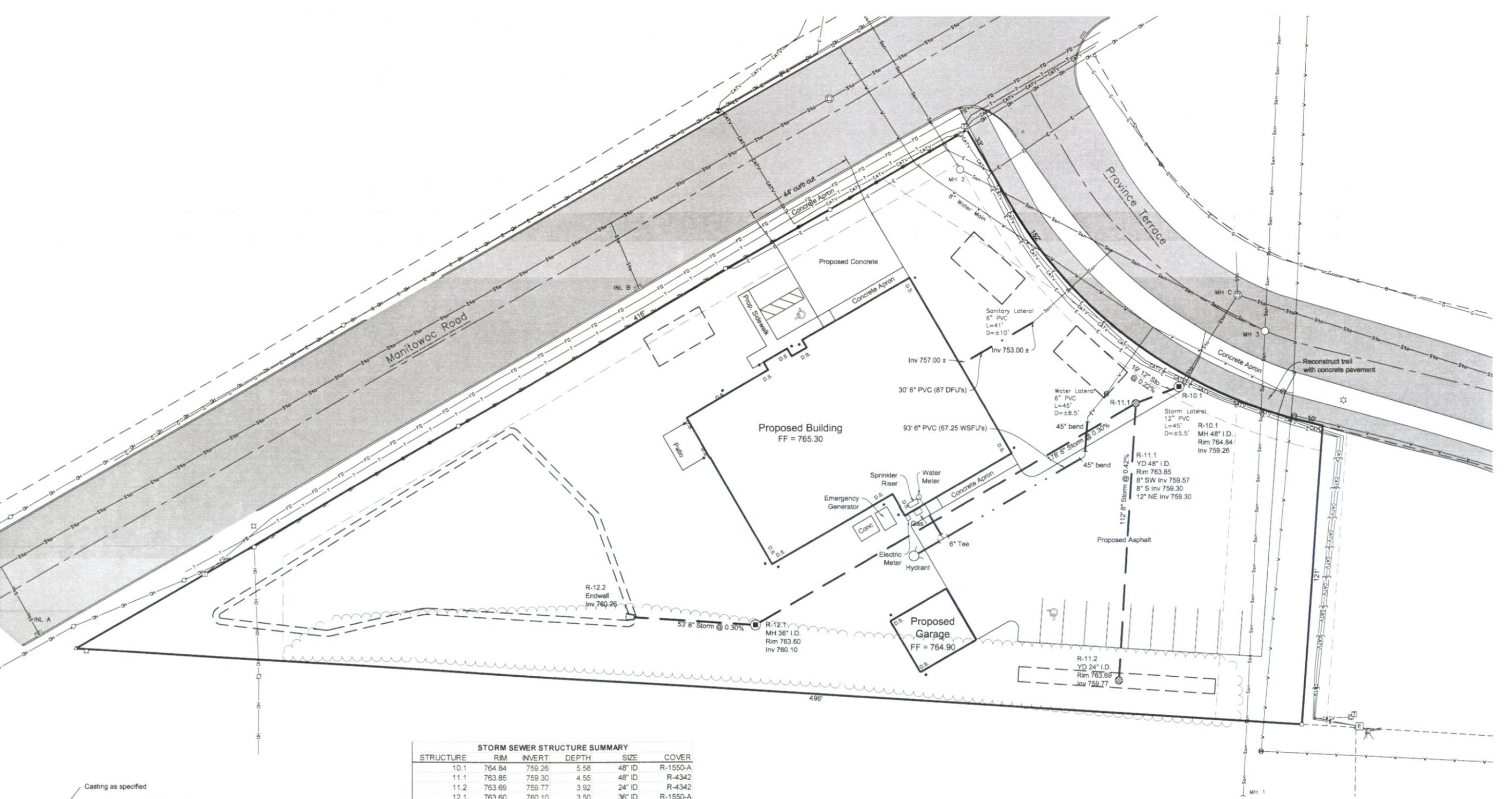
LEGEND

	Proposed Storm Sewer		Proposed Storm Manhole
	Proposed Sanitary Sewer		Proposed Curb Inlet
	Proposed Watermain		Prop. Catch Basin / Yard Drain
	Proposed Contour		Proposed Endwall
	Proposed Swale		Proposed Rip Rap
	Proposed Culvert		Proposed Grade
	Proposed Silt Fence		Existing Grade
	Prop. Drainage Direction		Proposed Ditch Check
	Proposed Tracking Pad		Proposed Inlet Protection
			Type of Inlet Protection

EROSION & SEDIMENT CONTROL PLAN

date: 08/27/10
 job: 10-052
 d by: S/JN
 rev: _____

Project: \\S5959\proj\10052\Civil_30\1052.dwg Printed by: shone

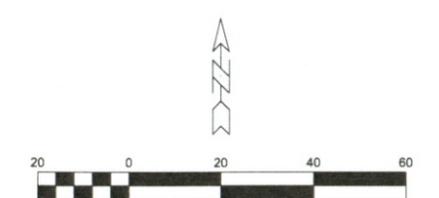
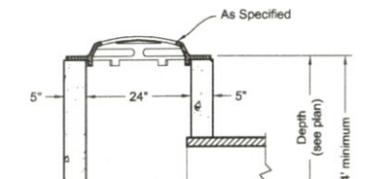
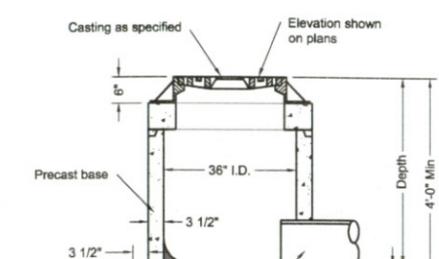
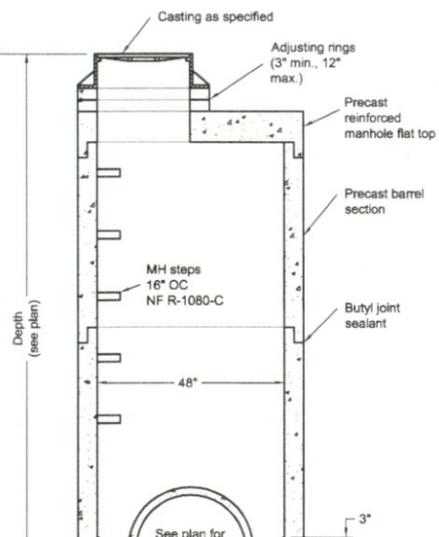


STORM SEWER STRUCTURE SUMMARY

STRUCTURE	RIM	INVERT	DEPTH	SIZE	COVER
10.1	764.84	759.26	5.58	48" ID	R-1550-A
11.1	763.85	759.30	4.55	48" ID	R-4342
11.2	763.69	759.77	3.92	24" ID	R-4342
12.1	763.60	760.10	3.50	36" ID	R-1550-A
12.2	---	760.26	---	8"	Endwall

STORM SEWER PIPE SUMMARY

REACH	US INV.	DS INV.	LENGTH	SLOPE	SIZE
11.1 to 10.1	759.30	759.26	19	0.0022	12
11.2 to 11.1	759.77	759.30	112	0.0042	8
12.1 to 11.1	760.10	759.57	178	0.0030	8
12.2 to 12.1	760.26	760.10	53	0.0030	8



LEGEND

- Proposed Storm Sewer
- Proposed Sanitary Sewer
- Proposed Sanitary Manhole
- Proposed Storm Manhole
- Proposed Reducer
- Proposed Plug

Sewer and Water shall be constructed in accordance with the State of Wisconsin Standard Specifications for Sewer and Water Construction, and all Special Provisions of the City of Menasha.

Contractor shall locate all buried facilities prior to excavating. This plan may not correctly or completely show all buried utilities.

The Contractor shall verify all staking and field layout against the plan and field conditions prior to constructing the work and immediately notify the Engineer of any discrepancies.

The Contractor shall comply with all conditions of the Erosion Control Plan and the Storm Water discharge Permit. All Erosion Control shall be done in accordance with the Plan and Wisconsin DNR Technical Standards.

The outside services are shown to stop at a point 5 feet outside the foundation wall. The Contractor shall be responsible for coordination of continuation of the services into the building to properly coincide with the interior plumbing plans, and compliance with all plumbing permits.

The Contractor is responsible for compliance with Department of Commerce, Chapter Comm 82, for lateral construction and cleanout locations.

Pipe lengths are measured to center of structure. Endwalls are included in pipe length.



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A NEW FIRE STATION #36 FOR:
NEENAH - MENASHA FIRE RESCUE
 MENASHA, WISCONSIN

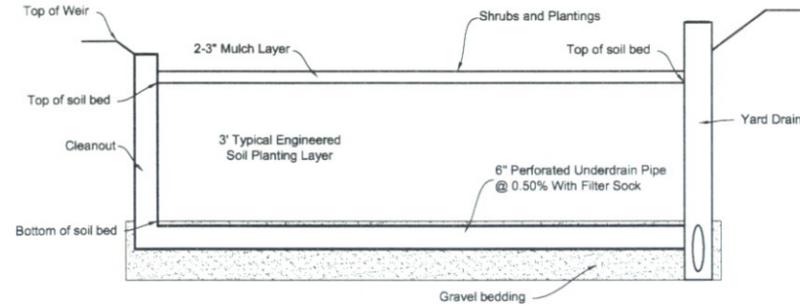
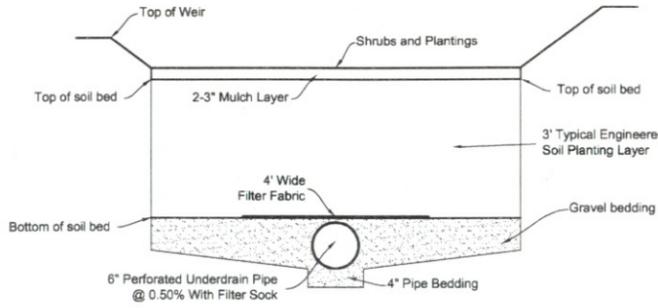
date: 08/27/10
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UTILITY PLAN



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A NEW FIRE STATION #36 FOR:
 NEENAH - MENASHA FIRE RESCUE
 MENASHA, WISCONSIN



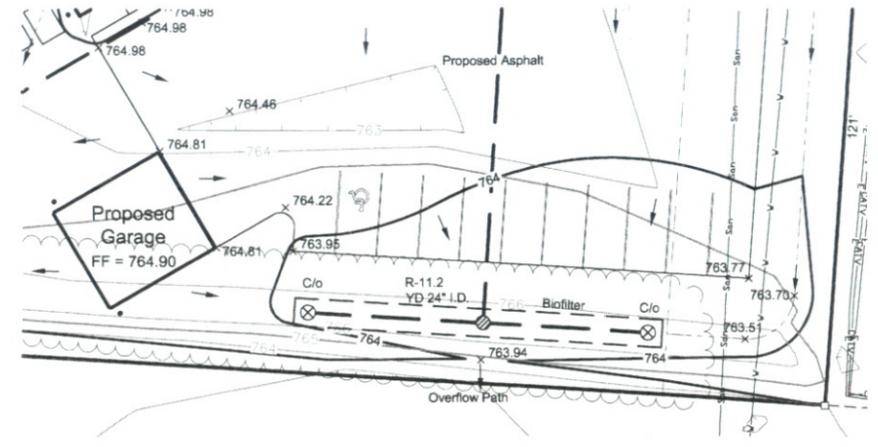
BIOFILTRATION DETAIL SECTIONS

BIOFILTRATION DETAIL TABLE

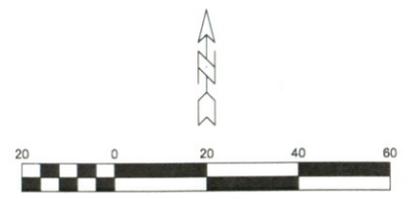
Biofiltration Detail Table	
Biofilter No.	Biofilter 11.2
Soil Bed Area Required (sq. ft.)	480
Approx. Soil Bed Dimension	6' x 80'
Top of Weir Elev. (overflow path)	763.90
Top of Soil Bed Elev.	762.90
Bottom of Soil Bed Elev.	759.90
Soil Bed Slope	Flat
Yard Drain Rim Elev.	763.40
Yard Drain Underdrain Invert Elev.	759.77
Yard Drain Outlet Invert Elev.	759.30
Yard Drain Sump Invert Elev.	n/a
Cleanout Rim Elev.	763.15
Cleanout Invert Elev.	759.97
Underdrain Pipe Length (ft)	2 @ 37'
Underdrain Pipe Slope	0.50%
Underdrain Pipe Diameter (ft)	0.50

Biofiltration Specifications:

- Vegetation Plan**
 A planting diagram to be specified by others with native species that are salt tolerant. Turf grass is not to be used in the bioretention device, but may be used as the vegetation of pretreatment swales.
 The planting plan shall include plant placement, planting sequence, planting time of year, fertilizing, water and protection from other stresses such as animals, wind and sun to maximize plant growth.
 Shredded hardwood mulch or chips shall be placed on the surface of the planting soil to a depth of 2'-3". Mulch shall be free of foreign material, including other plant material. Mulch shall be aged a minimum of 12 months.
- Engineered Soil Planting Bed**
 Planting soil shall be free of rocks, stumps, roots, brush, or other material over 1" in diameter. No other material shall be mixed with the planting soil that may be harmful to plant growth, infiltration rates, or prove a hindrance to planting and maintenance. Planting soil shall have adequate nutrients to meet plant growth requirements. Planting soil shall have a pH between 5.5 and 6.5. Planting soil shall be uniformly mixed and consist of 40% silica sand, 20% topsoil, and 40% compost.
 Silica sand component shall be USDA classified coarse sand texture with 0.02" to 0.04" diameter, ASTM C33 (Fine Aggregate Concrete Sand), or Wisconsin Standards and Specifications for Highway and Structure Construction, Section 501.2.5.3.4. (Fine Aggregate Concrete Sand) 2005 edition, or an equivalent as approved by the administering authority. Sand component shall be pre-washed to remove clay and silt particles and then well-drained or dried prior to mixing. Calcium carbonated, dolomitic sand, and other substitutions are not allowed. Topsoil component shall be USDA classified loam texture. Texture class shall be verified by laboratory analysis or licensed professional.
 Compost component shall contain less than 1% combined glass, metal, and plastic. Compost shall be resistant to further decomposition and free of compounds in concentrations toxic to plant growth. Compost shall comply with US EPA 503 regulations for class A biosolids and contain negligible concentrations of both heavy metals and other chemical contaminants. Compost shall also satisfy the following per the WDNR specifications S100:
 Particle size 98% pass 0.75" screen
 Organic matter 40% minimum
 Ash content 60% maximum
 Carbon to Nitrogen (C:N) ratio 10-20:1
 pH range 6.0 - 8.0
 Soluble salts 10 dS m-1 electrical conductivity maximum
 Moisture content 35% - 50% by weight
 Compost maturity index 6-8
 Pathogens and noxious seeds minimized
- Perforated Underdrain**
 Underdrain shall be a minimum 6" diameter corrugated polyethylene pipe with circular or slotted perforations. At a minimum, 4" to 10" diameter pipes shall have 1.0 square inch of perforated open area per linear foot of pipe length, 12" to 18" diameter pipes shall have 1.5 square inches of perforated open area per linear foot of pipe length, and 18" diameter or larger pipes shall have 2.0 square inches of perforated open area per linear foot of pipe length. Circular perforations shall not exceed 0.19" for 4" to 10" diameter pipes or 0.38" for pipes greater than 10" diameter. The width of slot perforations shall not exceed 0.13". The underdrain pipe shall satisfy section 612.2.5, State of Wisconsin Standard Specifications for Highway and Structure Construction, 2003 edition.
 A filter sock shall be installed on the perforated underdrain pipe. The filter sock shall prevent sand particles from entering the pipe. The filter sock shall be capable of passing water at a flow rate equal to or greater than the flow rate capacity of the underdrain pipe perforations. The filter sock shall satisfy section 612.2.8(1-3), State of Wisconsin Standard Specifications for Highway and Structure Construction, 2003 edition.
 Filter fabric shall not extend laterally from either side of underdrain pipe for more than 2'. Filter fabric shall satisfy section 645.2.4, schedule test B, State of Wisconsin Standard Specifications for Highway and Structure Construction, 2003 edition.
 A minimum 6" diameter vertical clean-out shall be connected to the upstream end of the underdrain. Clean-out shall be rigid, non-perforated PVC pipe with a removable, watertight cap that is flush with the finished ground surface.
 Gravel bedding shall meet the coarse aggregate #2 of the Wisconsin Standards and Specifications for Highway and Structure Construction, Section 501.2.5, 2003 edition.
- Construction**
 Contractor shall submit material certifications for review and approval prior to installation. Certifications shall state that materials satisfy specifications.
 Construction site runoff from disturbed areas shall not be allowed to enter the bioretention device. Runoff from all upslope disturbed pervious areas shall be diverted away from the bioretention device until a permanent perennial vegetative cover is established with a uniform density of at least 70% sediment laden runoff will prematurely clog the bioretention device.
 Construction shall be suspended during periods of rainfall or snowmelt. Construction shall remain suspended if ponded water or residual soil moisture contributes to soil smearing, clumping, or other forms of compaction.
 The planting soil layer and sand storage layer shall be placed in 12" lifts maximum. Compaction shall be minimized. Compaction will significantly contribute to bioretention device failure. Grade each layer with hand tool, excavation hoes, marsh equipment, wide-track loaders, or light equipment with turf-type tires. Do not use heavy equipment with narrow tracks, narrow tires, rubber tires with lugs, or high-pressure tires. Steps may be taken to induce mild settling of the sand storage layer and planting soil layer as needed to prepare a stable planting bed. Vibrating plate-style compactors shall not be used.
 Entire planting bed shall be mulched to a uniform depth of 2'-3" prior to planting vegetation to help prevent compaction of planting soil layer during planting process. Mulch shall be pushed aside for individual plant placement.
 Planting will be done by others.



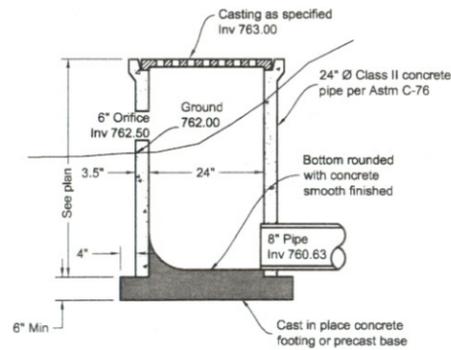
BIOFILTRATION PLAN DETAIL
 (Alternate Bid)



BIOFILTRATION
 DETAILS

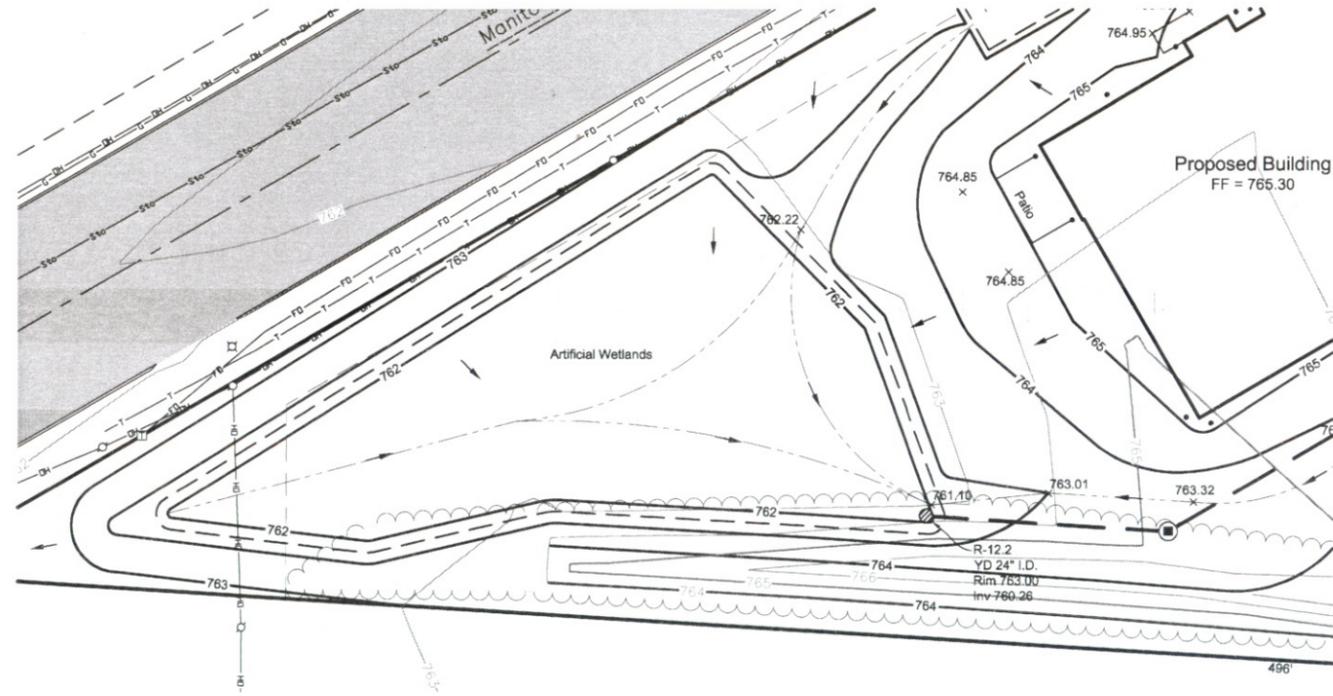
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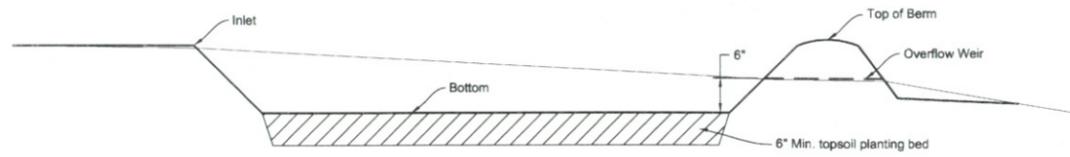
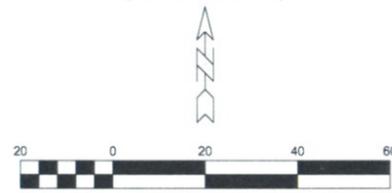


CONTROL STRUCTURE

Note:
Wetlands Plantings
shall be done by others



**ARTIFICIAL WETLANDS DETAIL
(Alternate Bid)**

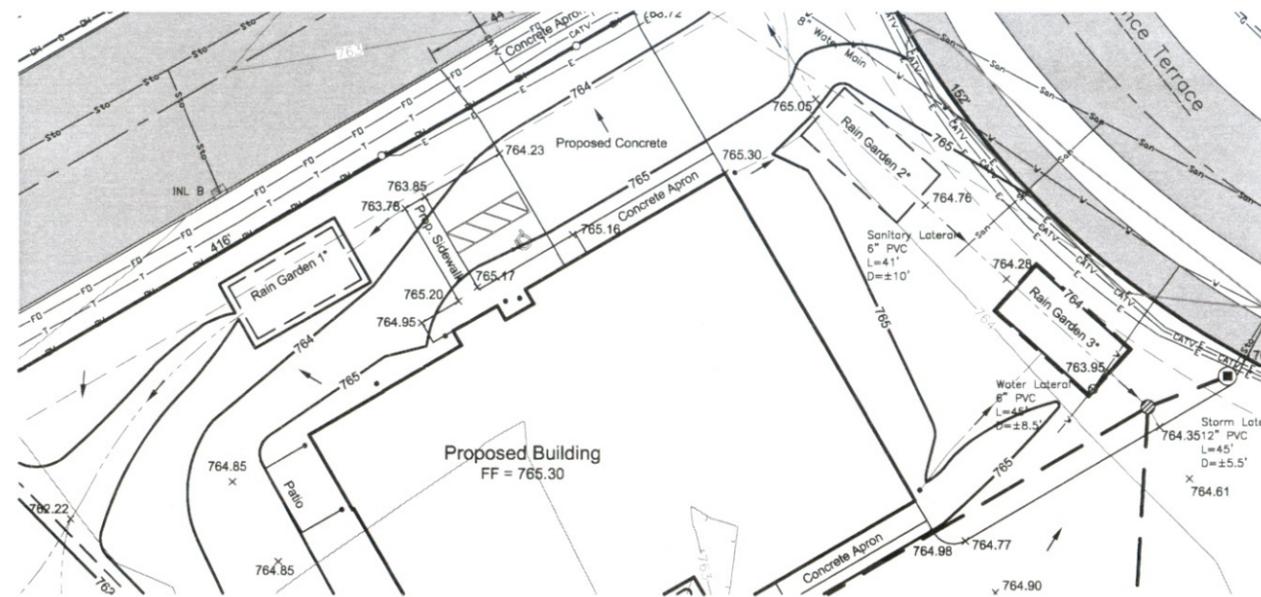


RAIN GARDEN CROSS SECTION

Note:
Rain Garden Planting
will be done by others

RAIN GARDEN DETAIL TABLE

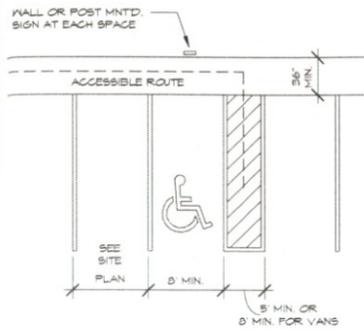
Rain Garden	1	2	3
Top of Berm	763.30	765.30	764.45
Inlet/Overflow	762.80	764.80	763.95
Bottom Elev	762.30	764.30	763.45
Length	26	28	28
Width	13	14	14



**RAIN GARDEN DETAIL
(Alternate Bid)**

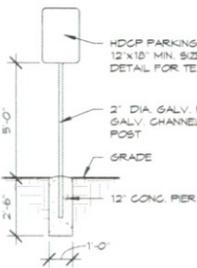
**RAIN GARDEN &
ARTIFICIAL WETLANDS
DETAILS**





IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL BARRIER FREE PARKING SIGNS IN CONFORMITY TO WISCONSIN ADMINISTRATIVE CODE, TRANS #200.01

INTERNATIONAL SYMBOL OF ACCESSIBILITY



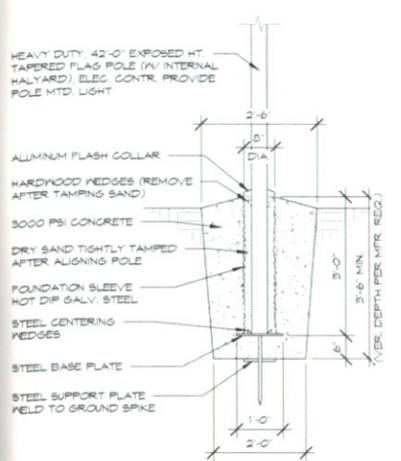
SIGN POST DETAIL



PARKING SIGN DETAIL

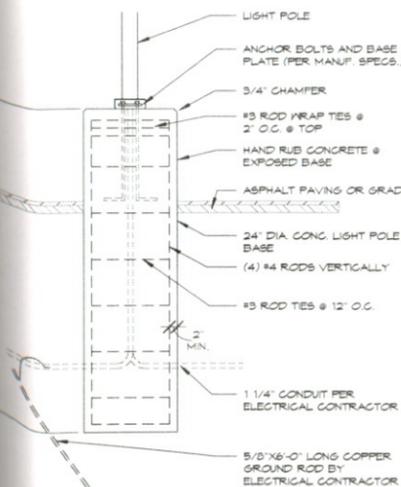
5 HC PARKING DETAILS

1/4" = 1'-0"



3 FLAG POLE BASE DETAIL

1/2" = 1'-0"



5/8\"/>

GENERAL SITE PLAN NOTES:

- GENERAL CONTRACTOR TO PROVIDE CONCRETE MECHANICAL EQUIPMENT PADS. COORDINATE SIZE & REINF. REQUIREMENTS WITH MECHANICAL & ELECTRICAL CONTRACTOR.
- GENERAL CONTRACTOR TO PROVIDE SILT FENCE / EROSION CONTROL MEASURES PER CIVIL DRAWINGS AND CITY OF MENASHA'S REQUIREMENTS. EROSION CONTROL MEASURES MUST BE IMPLEMENTED AND MAINTAINED THROUGHOUT CONSTRUCTION.
- ALL SITE UTILITIES MUST BE VERIFIED PRIOR TO CONSTRUCTION.
- PATCH ANY AREA OF ASPHALT PAVING OR CONCRETE PAVING AND CONC. CURB DISTURBED BY CONSTRUCTION.
- GENERAL CONTRACTOR TO ROUGH GRADE AND FINISH GRADE ANY AREAS DISTURBED BY CONSTRUCTION. SEEDING OF AREAS BY GENERAL CONTRACTOR. ALL DRIVEWAY CUTS AND CURBING SHALL COMPLY WITH THE CITY OF OSHKOSH STANDARDS.
- SEE LANDSCAPE PLAN SHEET L-0.1 FOR PLANTING INFORMATION.
- HANDICAP ACCESSIBILITY MUST BE MAINTAINED AT ALL FRONT AND REAR DOORS. COORDINATE PARKING LOT GRADING AND RAMPS WITH DOOR LOCATIONS.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION UNTIL THE SITE IS STABILIZED BY VEGETATION OR OTHER APPROVED MEANS.
- ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE AS TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
- ALL SEDIMENT LADEN WATER PUMPED FROM THE SITE SHALL BE TREATED BY A TEMPORARY SEDIMENT BASIN OR BE FILTERED BY OTHER APPROVED MEANS. WATER SHALL NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE OR RECEIVING CHANNELS.
- DISTURBED GROUND OUTSIDE OF THE EVERYDAY CONSTRUCTION AREA, INCLUDING SOIL STOCKPILES LEFT INACTIVE FOR MORE THAN 10 DAYS, SHALL AT A MINIMUM BE TEMPORARILY STABILIZED BY SEEDING / MULCHING OR OTHER METHODS APPROVED BY THE CITY OF MENASHA EROSION CONTROL INSPECTOR.
- WASTE MATERIAL GENERATED ON THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO A RECEIVING WATER OR STORM SEWER SYSTEM.
- IN THE CASE OF LATE SEASON AND WINTER CONSTRUCTION, RESTORATION / LANDSCAPING OF THE SITE SHALL OCCUR NO LATER THAN JUNE 15 OF THE NEXT CONSTRUCTION SEASON. EROSION CONTROL MEASURES SHALL REMAIN INTACT UNTIL FINAL RESTORATION OF THE SITE IS COMPLETE. FABRIC INSIDE THE INLET AND CATCH BASIN GRATING SHALL BE REMOVED AS SOON AS FREEZING WEATHER OCCURS SO DRAINAGE IS NOT IMPAIRED THROUGHOUT THE WINTER MONTHS. ALL EROSION CONTROL PRACTICES REMOVED OR DAMAGED DUE TO WINTER WEATHER SHALL BE REPLACED IN THE SPRING IMMEDIATELY AFTER THE THAW.
- EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF THE WORK DAY.
- TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AT THE CONCLUSION OF CONSTRUCTION AFTER STABILIZATION OF DISTURBED SOIL HAS OCCURRED.
- THE EXISTING GRASS STREET TERRACE WITHIN THE CITY OF MENASHA RIGHT OF WAY SHALL BE MAINTAINED AS BUFFER THROUGHOUT CONSTRUCTION AT A MINIMUM. THE GRASS TERRACE SHALL BE RESTORED WITH TEMPORARY SEED (OATS / RYE) AND MULCHED WITHIN 10 DAYS OF THE COMPLETION OF ALL LATERAL INSTALLATIONS AND OTHER CONSTRUCTION ACTIVITY. IF THE TERRACE IS NOT TO BE RESTORED DURING FINAL LANDSCAPING, A PERMANENT SEED MIX SHALL BE UTILIZED.

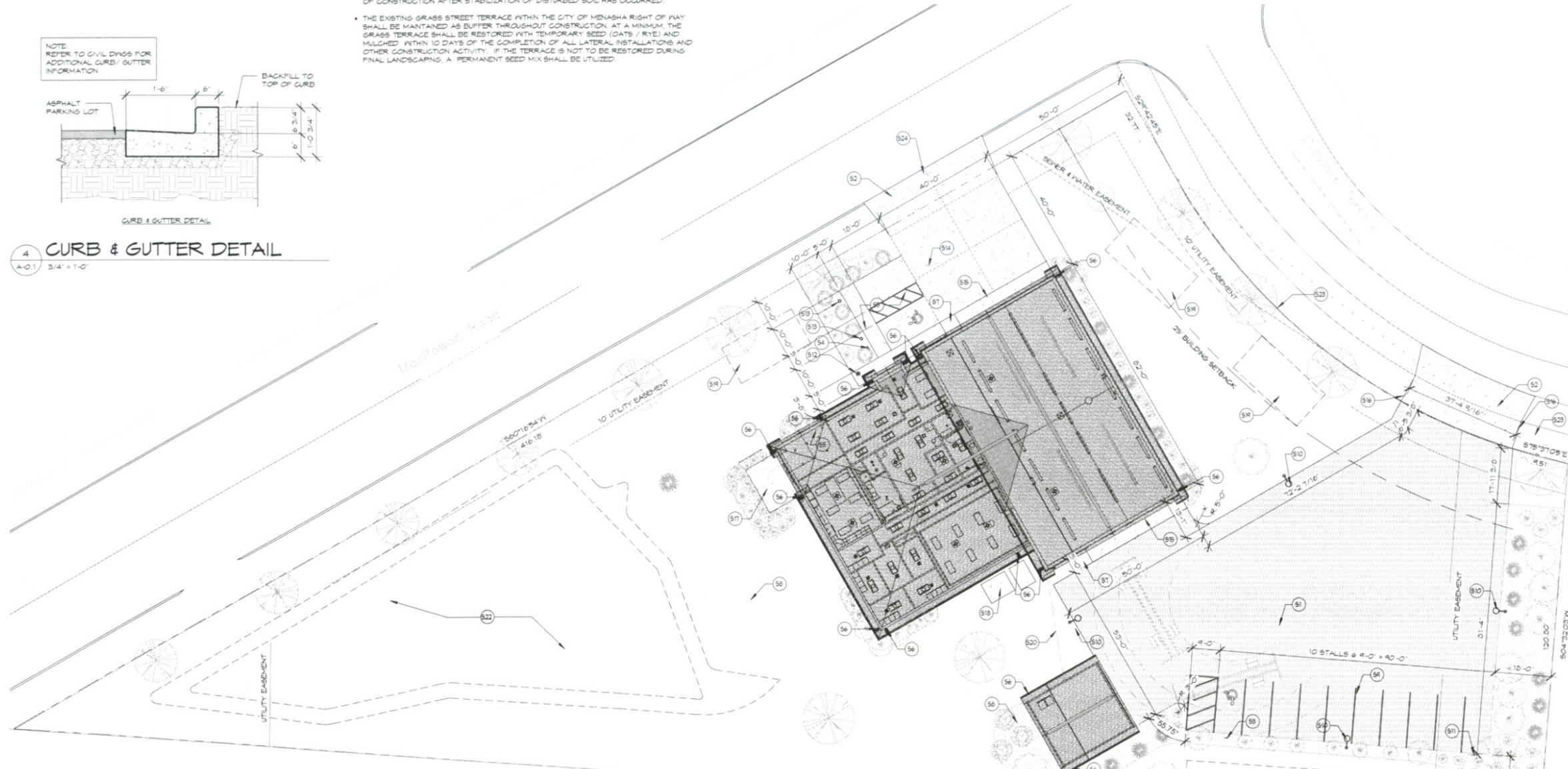
GENERAL PROJECT NOTES:

PROJECT NAME: NEENAH-MENASHA FIRE RESCUE STATION #36
PROJECT ADDRESS: 1108 PROVINCE TERRACE, MENASHA, WI
ZONING DESCRIPTION: C-1
LEGAL DESCRIPTION: ALL OF LOT 3, SOUTHFIELD WEST, BEING PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 4, T20N, R12E, CITY OF MENASHA, CALUMET COUNTY, WISCONSIN
PARCEL: #7-00015-03
SITE AREA: 63,665 S.F. / 1.46 ACRES
AREA PERCENTAGE:
 BUILDING AREA: 7,492 S.F. 12.55%
 GARAGE AREA: 624 S.F. 0.98%
 IMPERVIOUS AREA:
 - CONCRETE: 3,060 S.F. 6.07%
 - ASPHALT: 11,250 S.F. 17.64%
 LANDSCAPE AREA: 40,903 S.F. 62.76%
 TOTAL SITE AREA: 63,665 S.F. 100.00%
PARKING CALCULATIONS:
 AT LEAST ONE (1) PARKING SPACE FOR EACH THREE (3) EMPLOYEES, PLUS SPACES IN ADEQUATE NUMBER AS DETERMINED BY THE DEPARTMENT OF COMMUNITY DEVELOPMENT TO SERVE THE VISITING PUBLIC.
 PARKING REQUIRED = EMPLOYEES (12)/3 + ADD'L = 7 STALLS
 PARKING PROVIDED = STANDARD PARKING = 10 STALLS
 ACCESSIBLE PARKING = 2 STALLS
 TOTAL PARKING PROVIDED = 12 STALLS
RECYCLING CALCULATIONS (PER CHAPTERS COMM 60 TO 66, APPENDIX B):
 7.0 CU. FT. OF RECYCLING SPACE PER 1,000 S.F. OF OCCUPIED FLOOR AREA PER YEAR
 7.0 X 2,000 S.F. / 1,000 = 14 CU. FT.
 (2) 96 GALLON REFUSE/RECYCLING CONTAINERS PROVIDED (PER CITY OF MENASHA)

NOTE: ENVIRONMENTAL TOBACCO SMOKE CONTROL - THIS BUILDING IS A NON-SMOKING BUILDING PER WISCONSIN STATE LAW.

KEYED SITE PLAN NOTES

- S1 4' ASPHALT PAVING OVER 12" OF COMPACTED GRANULAR FILL. REFER TO CIVIL DRAWINGS FOR TYPICAL PAVING SECTION. ALTERNATE #2 - PROVIDE CONCRETE IN LIEU OF ASPHALT PAVING.
- S2 8" REINFORCED CONCRETE DRIVEWAY APRON - WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE TO THE CITY OF MENASHA STANDARDS. VERIFY IF SEPARATE PERMIT FROM THE CITY IS REQUIRED FOR THIS WORK. PROVIDE TOPSOIL AND SEED TERRACE.
- S3 ADA PARKING W/ H.C. SIGN AND POST PER D.O.T. ADMIN. RULE TRANS 200.01 TYPICAL. PROVIDE ONE POST MOUNTED SIGN W/ ADDITIONAL D.O.T. APPROVED SIGN STATING "VAN ACCESSIBLE" AT AN 11'-0" WIDE SPACE WITH AN ADJACENT 5'-0" WIDE AISLE (MIN.). ADA PARKING SPACE & ACCESSIBLE AISLE SHALL HAVE A SURFACE SLOPE NOT TO EXCEED 1:50 (2%) IN ALL DIRECTIONS.
- S4 ADA PARKING W/ H.C. SIGN AND POST PER D.O.T. ADMIN. RULE TRANS 200.01 TYPICAL. PROVIDE ONE POST MOUNTED SIGN W/ ADDITIONAL D.O.T. APPROVED SIGN STATING "CAR ACCESSIBLE" AT A SPACE WITH AN ADJACENT 5'-0" WIDE AISLE (MIN.). ADA PARKING SPACE & ACCESSIBLE AISLE SHALL HAVE A SURFACE SLOPE NOT TO EXCEED 1:50 (2%) IN ALL DIRECTIONS.
- S5 5" THICK CONCRETE SIDEWALK/PATIO W/ 6X6 BY 11.4X11.4 W/ 1/4" OVER 8" COMP. GRANULAR FILL.
- S6 DOWNSPOUT LOCATION WITH SPLASH BLOCK.
- S7 CONCRETE STOOOP & STOOOP FOUNDATION - SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- S8 LAWN/LANDSCAPE AREA - SEE SHEET L-0.1 FOR ADDITIONAL INFORMATION.
- S9 PAINTED PARKING LINES, STRIPE AS SHOWN.
- S10 LIGHT POLE WITH CONC. BASE - REFER TO DETAIL & ELECTRICAL DRAWINGS FOR ADD'L INFO.
- S11 LOW EMITTING AND FUEL EFFICIENT VEHICLE PARKING SIGNAGE.
- S12 FLAGPOLE - SEE DETAIL. PROVIDE POWER PER ELECTRICAL DRAWINGS.
- S13 LIGHT BOLLARDS - REFER TO ELECTRICAL DRAWINGS FOR ADD'L INFO.
- S14 8" REINFORCED CONCRETE DRIVE - REFER TO CIVIL DRAWINGS.
- S15 CONCRETE APRON.
- S16 SAW-CUT AND REMOVE EXISTING ASPHALT WALKING TRAIL. INSTALL CONCRETE APRON. PATCH/MATCH ASPHALT.
- S17 12' X 16' CONCRETE PATIO WITH FROST WALLS. REFER TO STRUCTURAL DRAWINGS.
- S18 CONCRETE EQUIPMENT PADS - COORDINATE SIZE AND LOCATION WITH ELECTRICAL & MECHANICAL CONTRACTORS.
- S19 RAIN GARDEN - ALTERNATE #4 - SEE CIVIL DRAWINGS.
- S20 POWER TO BE PROVIDED TO THE GARAGE. REFER TO THE ELECTRICAL DRAWINGS.
- S21 BIO-FILTRATION POND (ALTERNATE). REFER TO CIVIL DRAWINGS.
- S22 ARTIFICIAL WETLANDS (ALTERNATE). REFER TO CIVIL DRAWINGS.
- S23 EXISTING ASPHALT WALKING TRAIL.
- S24 SAW-CUT CURB AT DRIVE APRON (OR REMOVE CURB AND REPLACE PER THE CITY OF MENASHA'S REQUIREMENTS).



A NEW FIRE STATION #36 FOR:
NEENAH - MENASHA FIRE RESCUE
 MENASHA, WISCONSIN

date: 08/27/2010
 job: 10-052
 d. by: SJT/LS
 rev: 08-31-10

Gries Architectural Group Inc.
 500 North Commercial Street
 Neenah, Wisconsin 54956
 Phone: 920-722-2445 Fax: 920-722-6605
 www.griesarchitectural.com

GENERAL NOTES:

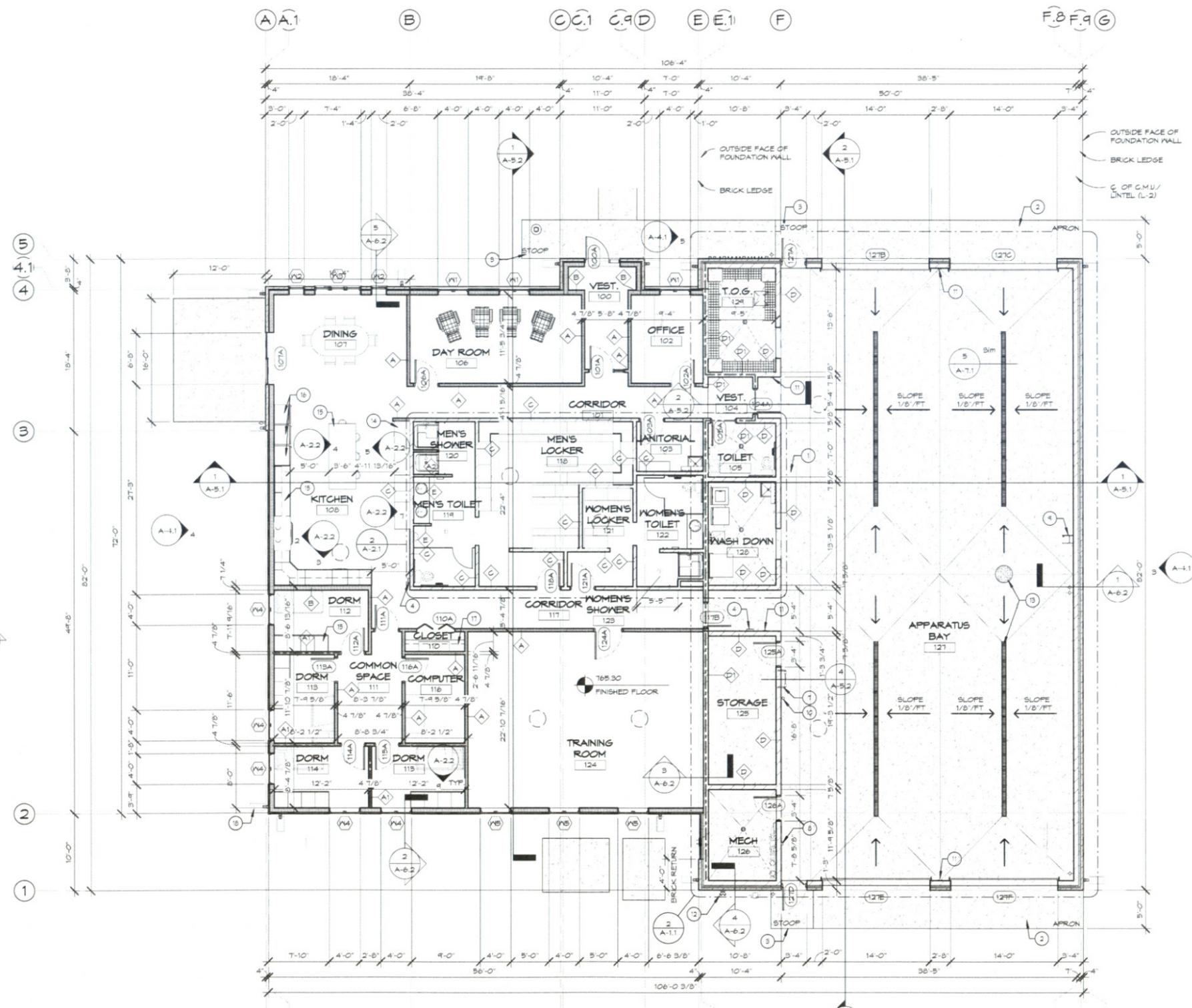
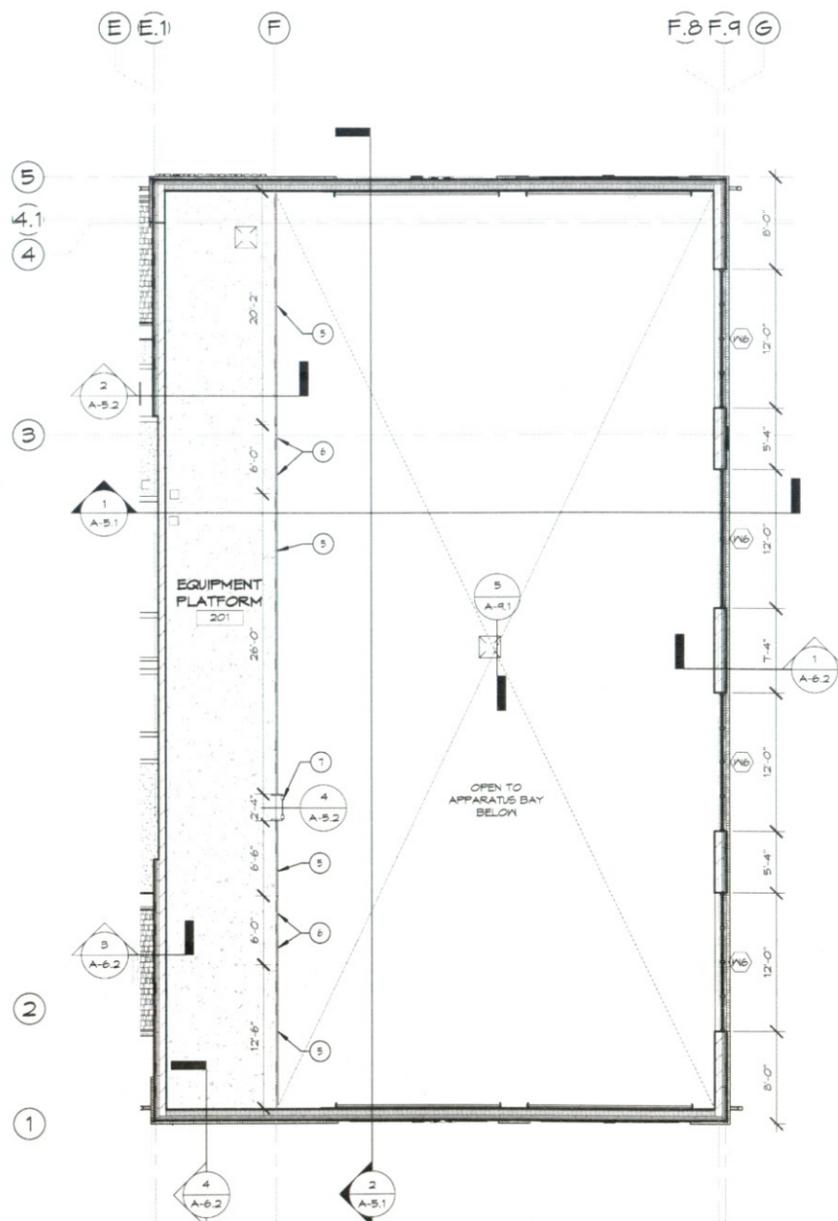
- CONTRACTOR TO PROVIDE ALL NECESSARY PERMITS & FEES REQUIRED TO COMPLETE THE PROJECT.
- CONSTRUCTION & INSTALLATION SHALL CONFORM TO ALL APPLICABLE LOCAL, STATE & NATIONAL BUILDING CODES & THE AMERICANS WITH DISABILITY ACT.
- ALL NEW WALLS SHALL BE CONSTRUCTED AS PER THE WALL TYPE & SHALL BE CARRIED TO THE STRUCTURE ABOVE, UNLESS OTHERWISE NOTED. PREPARE ALL SURFACES FOR FINISHES INDICATED.
- CONTRACTOR TO PROVIDE BLOCKING FOR ALL WALL SUPPORTED CASEWORK, TOILET ACCESSORIES, HANDRAILS, EQUIPMENT, DOOR STOPS, SHELVS, ETC. AS REQUIRED.
- ANY PENETRATIONS IN DESIGNATED FIRE WALLS SHALL MAINTAIN THE REQUIRED FIRE SEPARATION BETWEEN AREAS. CONTRACTOR TO PROVIDE SLEEVES, FIRE RETARDANT INSULATION & FIRE CAULKING AS REQUIRED.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH EQUIPMENT MANUFACTURERS TO ENSURE APPROPRIATE ROUGH IN CLEARANCE FOR EQUIPMENT INSTALLATION & USE.
- WHERE MOUNTING HEIGHTS ARE NOT INDICATED, MOUNT INDIVIDUAL UNITS OF WORK AT A.D.A. STANDARD MOUNTING HEIGHTS FOR THE PARTICULAR APPLICATION INDICATED. REFER QUESTIONABLE MOUNTING HEIGHT CHOICES TO THE ARCHITECT FOR A FINAL DECISION.
- DO NOT SCALE THE DRAWINGS.
- ALL DIMENSIONS ARE FROM THE FINISHED FACE OF WALL TO FINISHED FACE OF WALL, UNLESS NOTED OTHERWISE.
- INTERIOR WALL THICKNESSES ARE DRAWN AND DIMENSIONED TO ACTUAL SIZES. SEE WALL TYPES.
- CONTRACTOR SHALL LAYOUT & MARK ALL WALLS & OPENINGS PRIOR TO CONSTRUCTION. ANY DISCREPANCY SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY FOR RESOLUTION.
- ENTIRE BUILDING TO BE EQUIPPED WITH AN APPROVED, SUPERVISED, AUTOMATIC FIRE SPRINKLER SYSTEM. THIS SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13 BY THE FIRE SPRINKLER CONTRACTOR.
- ALL FURNITURE AND EQUIPMENT NOT SPECIFICALLY NOTED ON PLANS SHALL BE SUPPLIED AND INSTALLED BY OWNER. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL & DATA OUTLETS, ETC. w/ FINAL FURNITURE LAYOUT DRAWINGS.
- ALL DOOR OFFSETS (HINGE SIDE) TO BE A MINIMUM OF 4"; UNLESS NOTED OTHERWISE.
- REFER TO SITE PLAN SHEET A-01 FOR CONCRETE WALK LAYOUT.
- BULL-NOSE C.M.U. REQUIRED AT CORNERS- REFER TO SHT. A-2.2 (WALL TYPES) FOR ADD'L. INFORMATION.
- ALL GYP. BOARD SHALL RETURN TO ALL WINDOW/DOOR FRAMES AT JAMBS & HEAD, TYPICAL, UNLESS NOTED OTHERWISE.

STANDARD FLOOR PLAN NOTATION:

- INDICATES EXIT LIGHTS (SEE SHEET A-1.1 - REFL. CLG. PLANS AND ELECTRICAL PLANS FOR LOCATIONS)
- INDICATES SEMI-RECESSED FIRE EXTINGUISHER CABINET
- INDICATES FIRE EXTINGUISHER - MIN. 10# "A-B-C" (UNLESS NOTED OTHERWISE) OR OTHER AS REG'D. BY STATE AND/OR LOCAL CODE. SEE SPECIFICATIONS. (MOUNT AT 4'-0" A.F.F. MAX. TO TOP/EXTINGUISHER).
- FLOOR DRAIN
- CATCH BASIN
- INDICATES WALL TYPES. SEE SHEET A-2.1 FOR INFORMATION.
- 1-HOUR FIRE BARRIER WALL - REFER TO PLANS & WALL TYPES.
- 2-HOUR FIRE BARRIER WALL - REFER TO PLANS & WALL TYPES.

KEYED PLAN NOTES

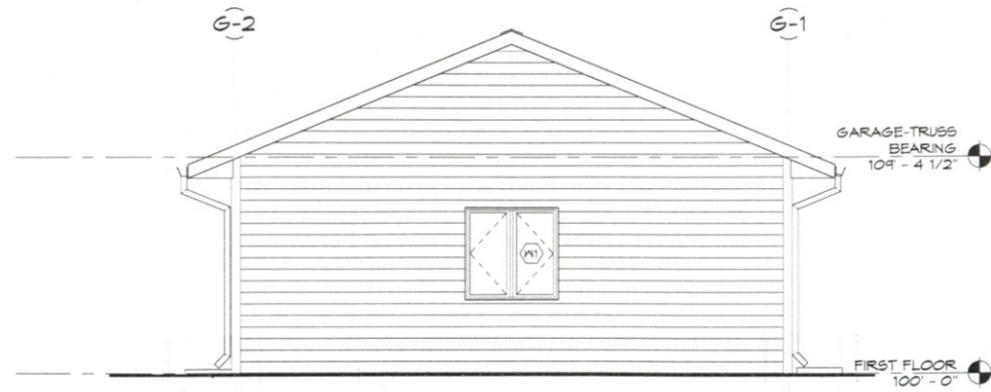
- WORK BENCH BY OWNER.
- CONCRETE APRON - REFER TO STRUCTURAL DRAWINGS.
- CONCRETE STOOP - REFER TO STRUCTURAL DRAWINGS.
- FIRE EXTINGUISHER CABINET
- 1 1/2" DIA. GUARDRAIL - REFER TO DETAIL.
- REMOVABLE GUARDRAIL SECTIONS REFER TO DETAIL.
- STEEL LADDER - REFER TO DETAIL.
- 2" HOSE CONNECTION - REFER TO PLUMBING DRAWINGS.
- WALL MOUNTED BIKE RACK - VERIFY LOCATION WITH OWNER.
- COMPRESSED AIR - REFER TO HVAC DRAWINGS, PAINT PIPING.
- OVER-HEAD DOOR OPERATOR SWITCH - SEE ELECTRICAL DRAWINGS.
- FIRE DEPARTMENT SIAMSE CONNECTION TO BUILDING SPRINKLER SYSTEM - REFER TO PLUMBING DRAWINGS.
- TRENCH DRAIN AND CATCH BASIN ASSEMBLY BY PLUMBING CONTRACTOR. SEE TRENCH DRAIN DETAIL. PROVIDE OIL SEPARATOR PER LOCAL/STATE CODES AND ORDINANCES.
- PLASTIC LAMINATE CASEWORK - SEE SHEET A-2.2.
- PLASTIC LAMINATE CASEWORK WITH COUNTERTOP - SEE SHEET A-2.2 FOR ADD'L. INFO.
- REFRIGERATOR - PROVIDE POWER AND WATER. REFER TO ELECTRICAL AND PLUMBING DRAWINGS.
- ONE SHELF, ONE ROD
- POLYETHYLENE SPLASH BLOCK



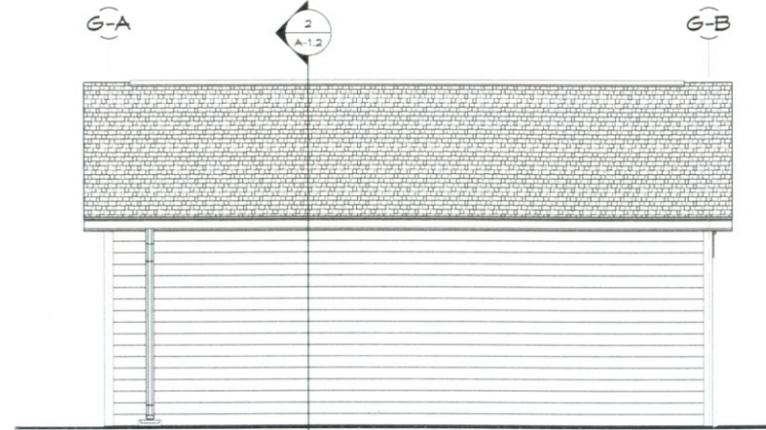
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A NEW FIRE STATION #36 FOR:
NEENAH - MENASHA FIRE RESCUE
 MENASHA, WISCONSIN

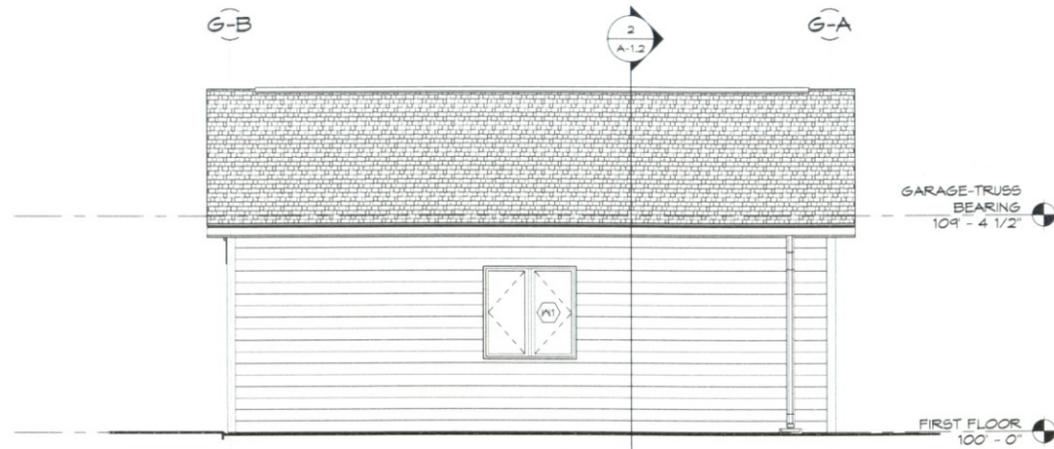
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 job: 10-052
 d. by: SJT/JLS
 rev: ---



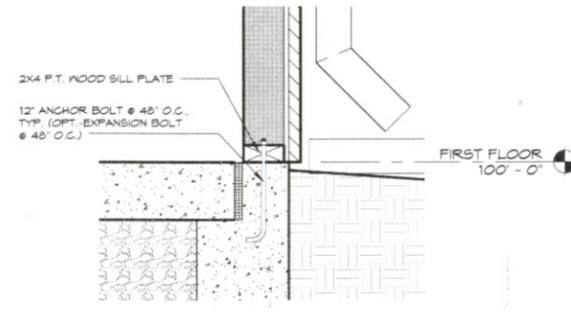
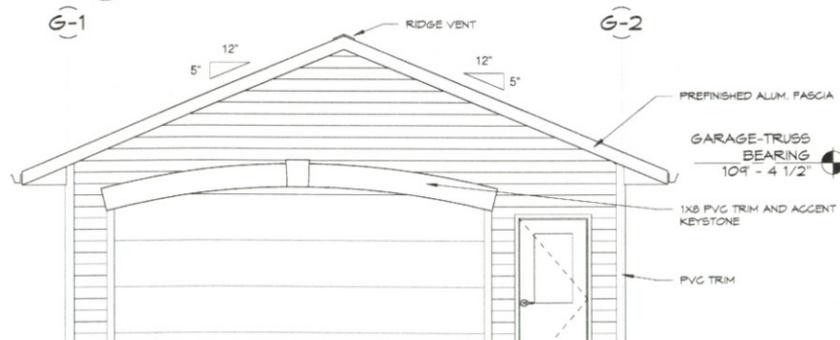
6 GARAGE - WEST ELEVATION
A-1.2 1/4" = 1'-0"



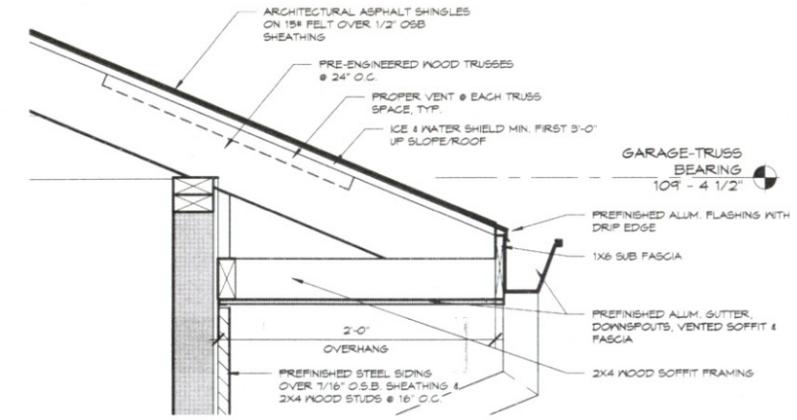
5 GARAGE - SOUTH ELEVATION
A-1.2 1/4" = 1'-0"



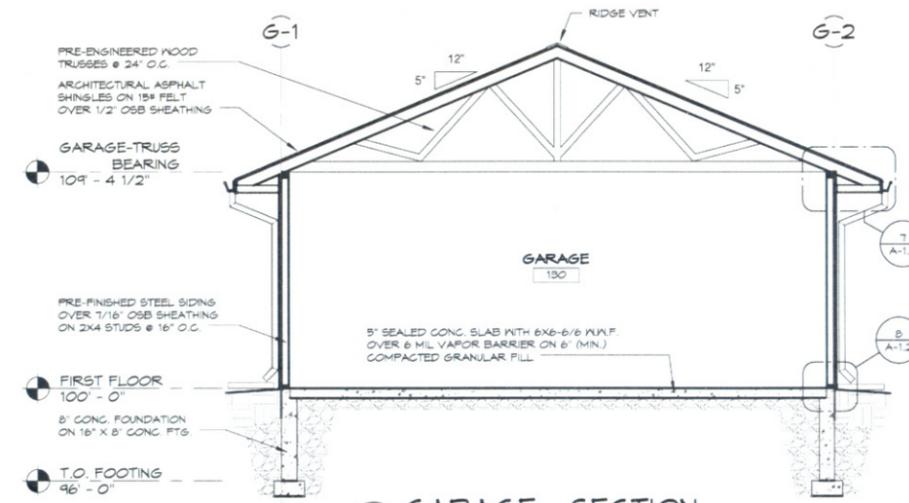
4 GARAGE - NORTH ELEVATION
A-1.2 1/4" = 1'-0"



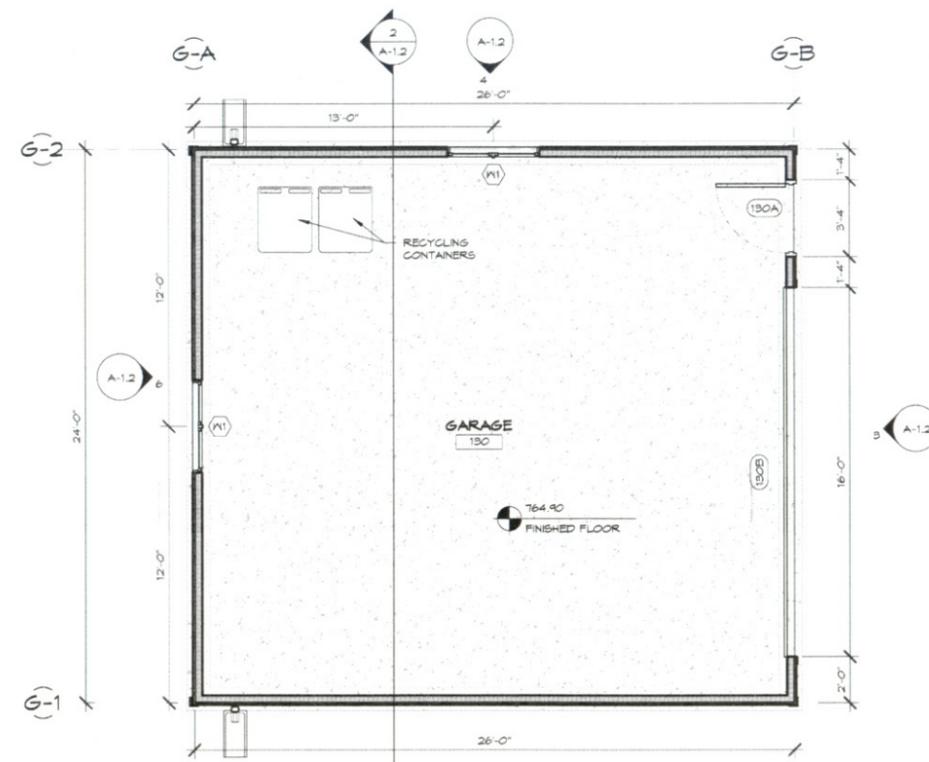
8 GARAGE DETAIL @ FND.
A-1.2 1 1/2" = 1'-0"



7 GARAGE DETAIL
A-1.2 1 1/2" = 1'-0"



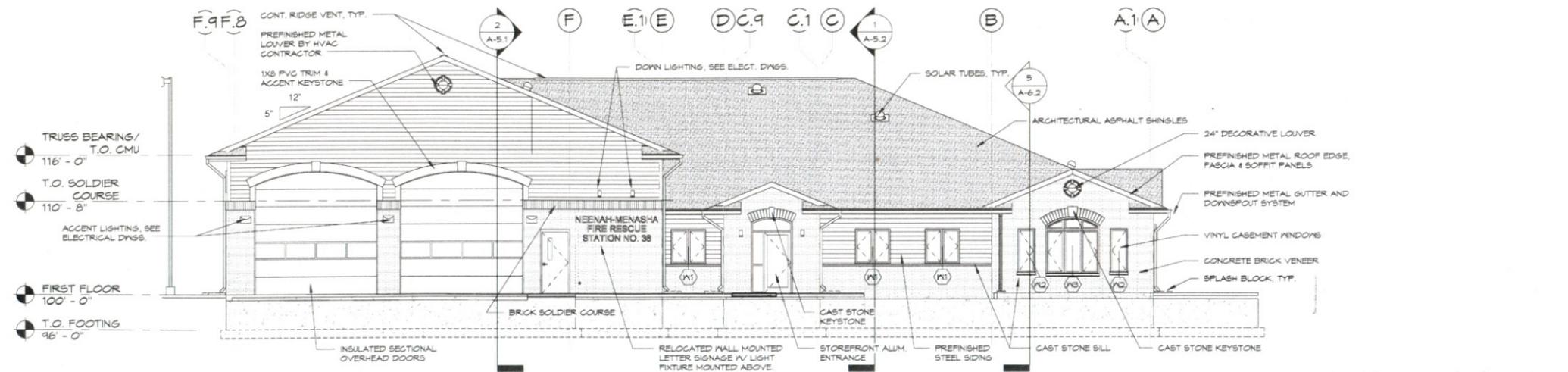
2 GARAGE - SECTION
A-1.2 1/4" = 1'-0"



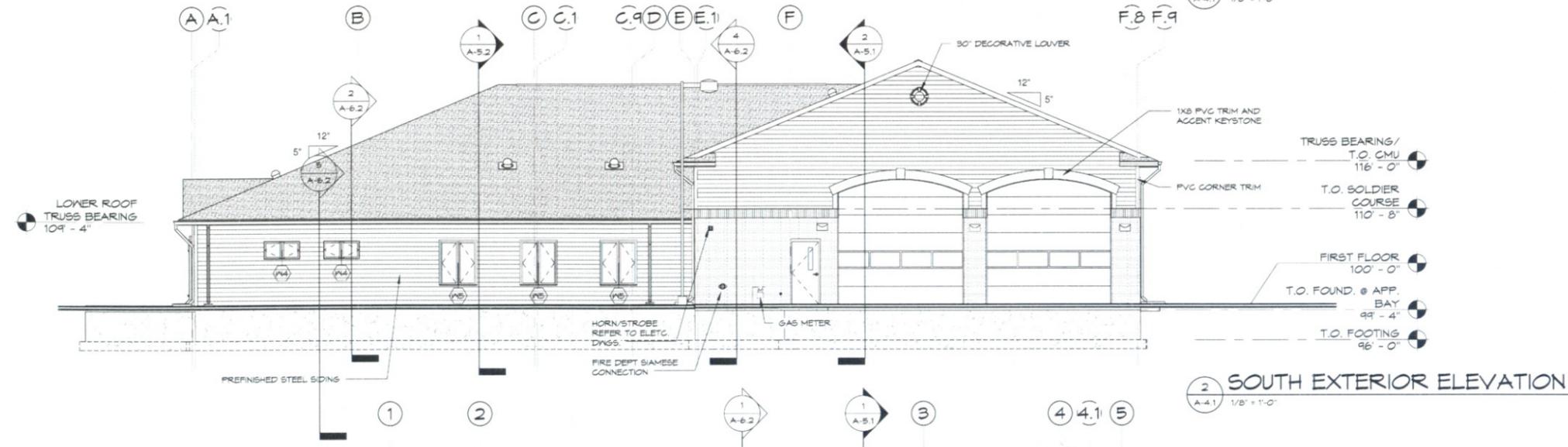
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MENASHA, WISCONSIN

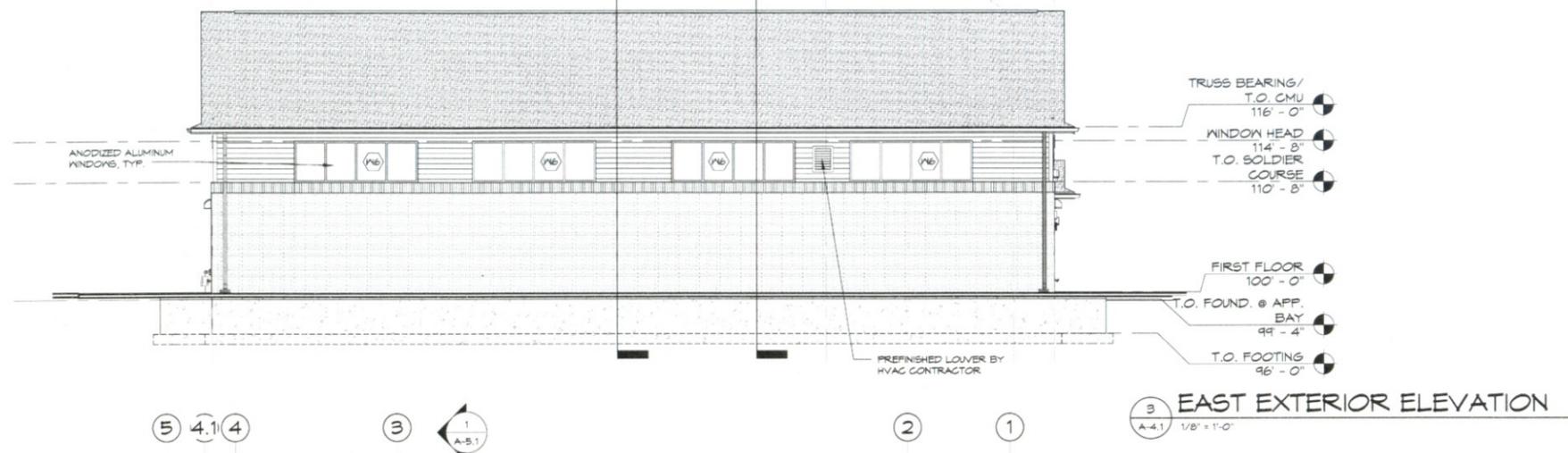
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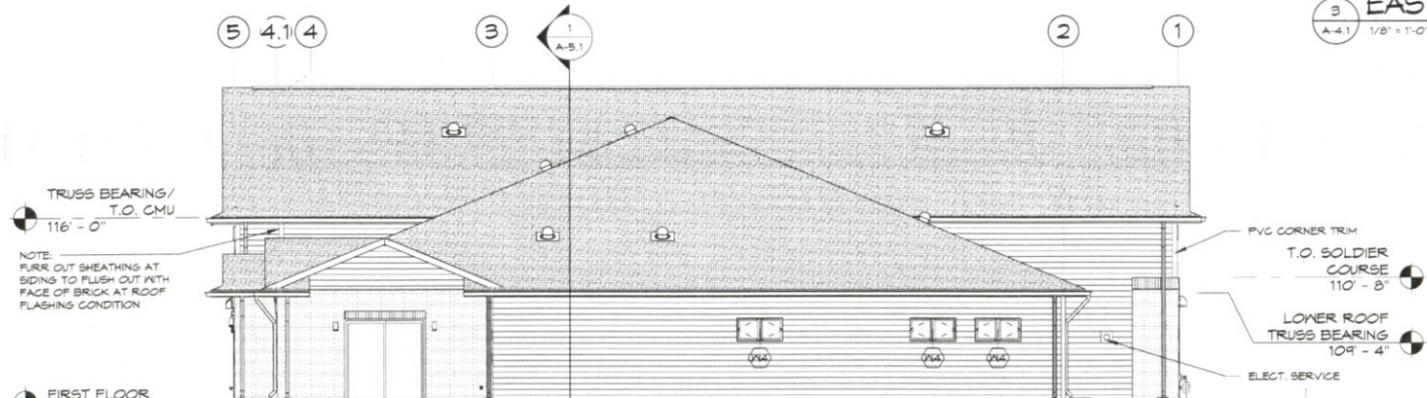
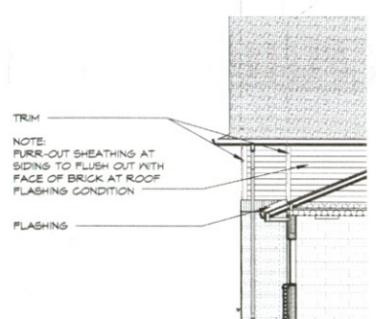
1 NORTH EXTERIOR ELEVATION
A-4.1 1/8" = 1'-0"



2 SOUTH EXTERIOR ELEVATION
A-4.1 1/8" = 1'-0"



3 EAST EXTERIOR ELEVATION
A-4.1 1/8" = 1'-0"



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MENASHA, WISCONSIN

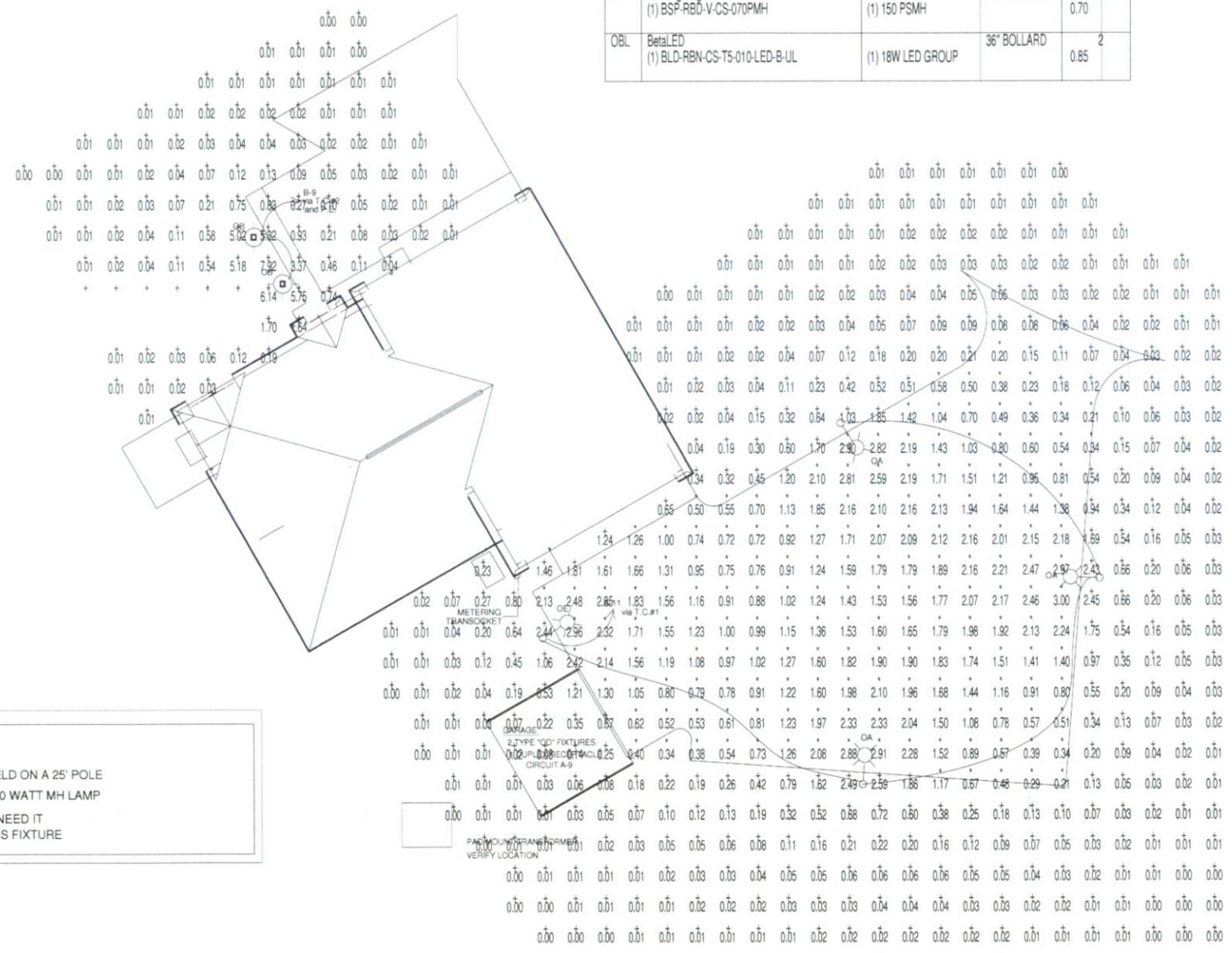


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A NEW FIRE STATION #36 FOR:
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CALCULATION SUMMARY						
AREA NAME	GRID HEIGHT	GROUP	AVE	MAX	MIN	MAX/MIN
HID	At Grade	<-> MISC <-> PRK LOT	0.24 1.41	7.92 3.00	0.00 0.20	4532.2 14.74
HID, NO OE	At Grade	<-> MISC <-> PRK LOT	0.21 1.13	7.92 2.99	0.00 0.02	5742.0 131.00
LED	At Grade	<-> MISC <-> PRK LOT	0.17 1.12	5.29 1.69	0.00 0.47	N/A 3.58
LED, NO OE	At Grade	<-> MISC <-> PRK LOT	0.15 0.92	5.29 1.66	0.00 0.01	N/A 132.77

Neenah Menasha Fire & Rescue LUMINAIRE SCHEDULE				
TYPE	DESCRIPTION	LAMP	MOUNTING	LLF QTY
OA	Beta Lighting (1) BAA-S12-H-T4-_-150PMH SBL-12	(1) 150 PSMH	25' POLE 4" BASE	0.70 4
OAL	BetaLED (1) ARE-EDG-4MB-DA-08-C-UL	(80) 80 LEDs	25' POLE 4" BASE	0.85 4
OB	Beta Lighting Bollard (1) BSP-RBD-V-CS-070PMH	(1) 150 PSMH	36" BOLLARD	0.70 2
OBL	BetaLED (1) BLD-RBN-CS-T5-010-LED-B-UL	(1) 18W LED GROUP	36" BOLLARD	0.85 2



SCALE IS 1" = 20'-0"

OA - BETA BAA-S16-H-T4-EP-175MHX-12 w/BACKLIGHT SHIELD ON A 25' POLE
 OB - BETA ZB-D-36-MH-70-2-1 36" HIGH BOLLARD WITH A 70 WATT MH LAMP
 OE - THIS IS THE SAME AS OA, THE AIA QUESTIONS IF WE NEED IT
 CAN YOU RUN A SEPERATE REPORT WITHOUT THIS FIXTURE

date: 08/27/2010
 job: 10-052
 d. by: GUY
 rev.:

E-S

NOTICE OF INTENT TO CIRCULATE A PETITION FOR
ANNEXATION OF TERRITORY TO CITY OF MENASHA

PLEASE TAKE NOTICE that not less than ten (10) nor more than twenty (20) days after publication of this Notice, the undersigned hereby intends to circulate a petition in accordance with §66.0217 of the Wisconsin Statutes for annexation of the lands legally described below and shown on the scale map attached hereto as Exhibit A from the Town of Menasha, Winnebago County, Wisconsin, to the City of Menasha, Winnebago County, Wisconsin.

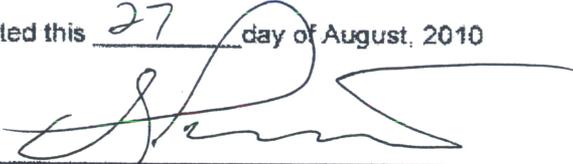
A copy of the scale map of the territory proposed for annexation may be inspected at the office of the Clerk for the Town of Menasha, 2000 Municipal Drive, Neenah, Wisconsin and at the office of the Clerk of the City of Menasha, 140 Main Street, Menasha, Wisconsin.

Parcel "A" The easterly 254' of Lot 2 of CSM 1698 being part of the SW ¼ of the SW ¼ of Sec. 1, T20NR17E, Town of Menasha, Winnebago County, WI, containing 1.0 acres, more or less.

Parcel "B" That part of the NE ¼ of Sec 11 T20NR17E, described as follows:
Commencing at the SW corner of said NE ¼, thence N 89° 25' E along the S line of said NE ¼, 2208.2', thence N 0° 35' W 782' to a point on the Northwestern line of STH 47 (as located 1/9/59), the P.O.B., thence S 89° 25' W parallel with the S line of the NE ¼ 101', thence N 0° 35' W 200', thence N 89° 25' E parallel with the S line of said NE ¼ to the Northwestern line of said highway, thence Southwesterly, along the Northwestern line of said highway, to the P.O.B., containing .73 acres, more or less.

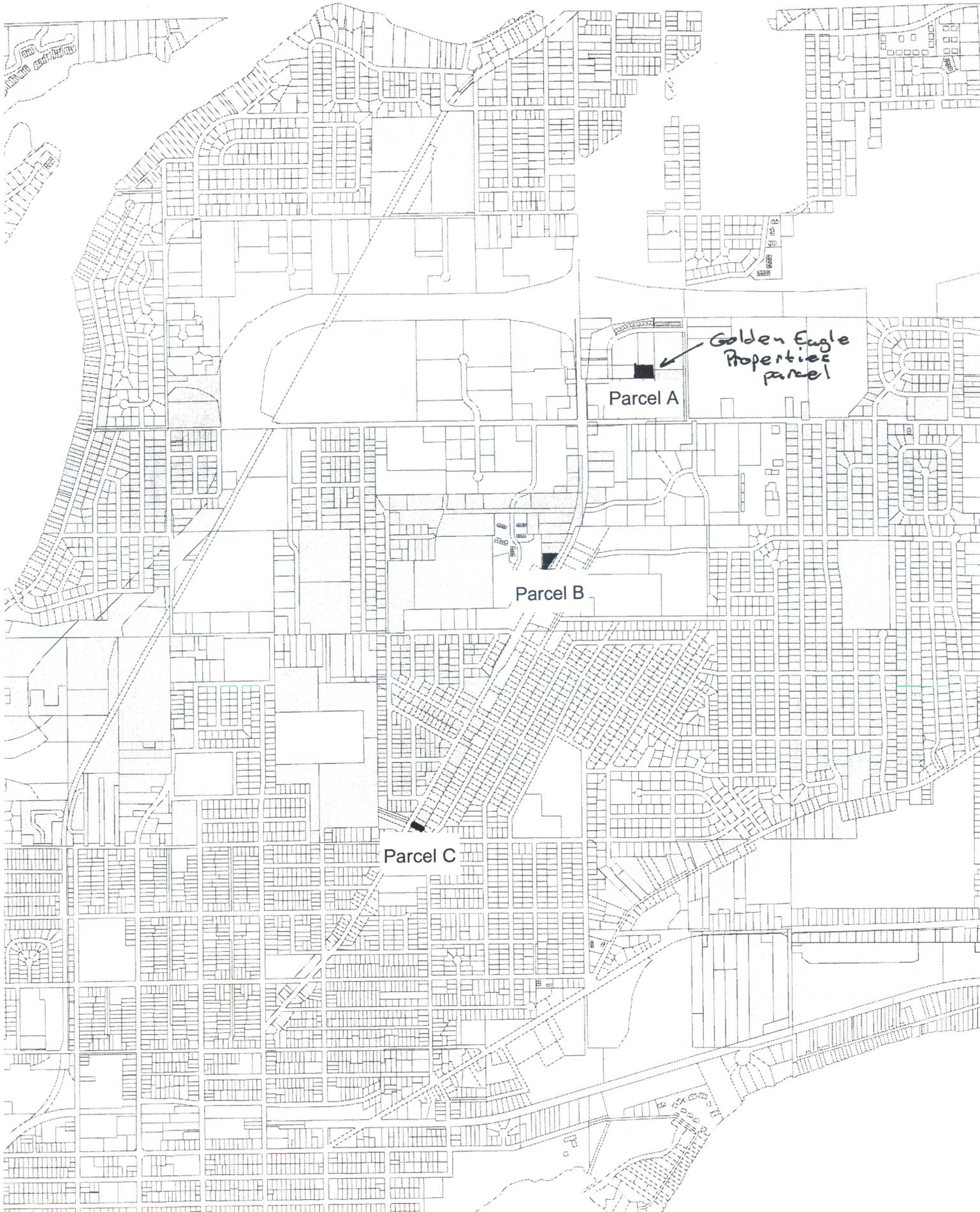
Parcel "C" Grove Subdivision Lot 3 and the southerly 10' of Lot 4 Part of the SE ¼ of Sec. 11 T20NR17E in the Town of Menasha, Winnebago County, WI containing .28 acres, more or less.

Dated this 27 day of August, 2010


~~Don Fuchette~~ Donald Puccetti
Golden Eagle Properties LLC

Don Merkes
Mayor, City of Menasha

Deborah Galeazzi
City Clerk, City of Menasha

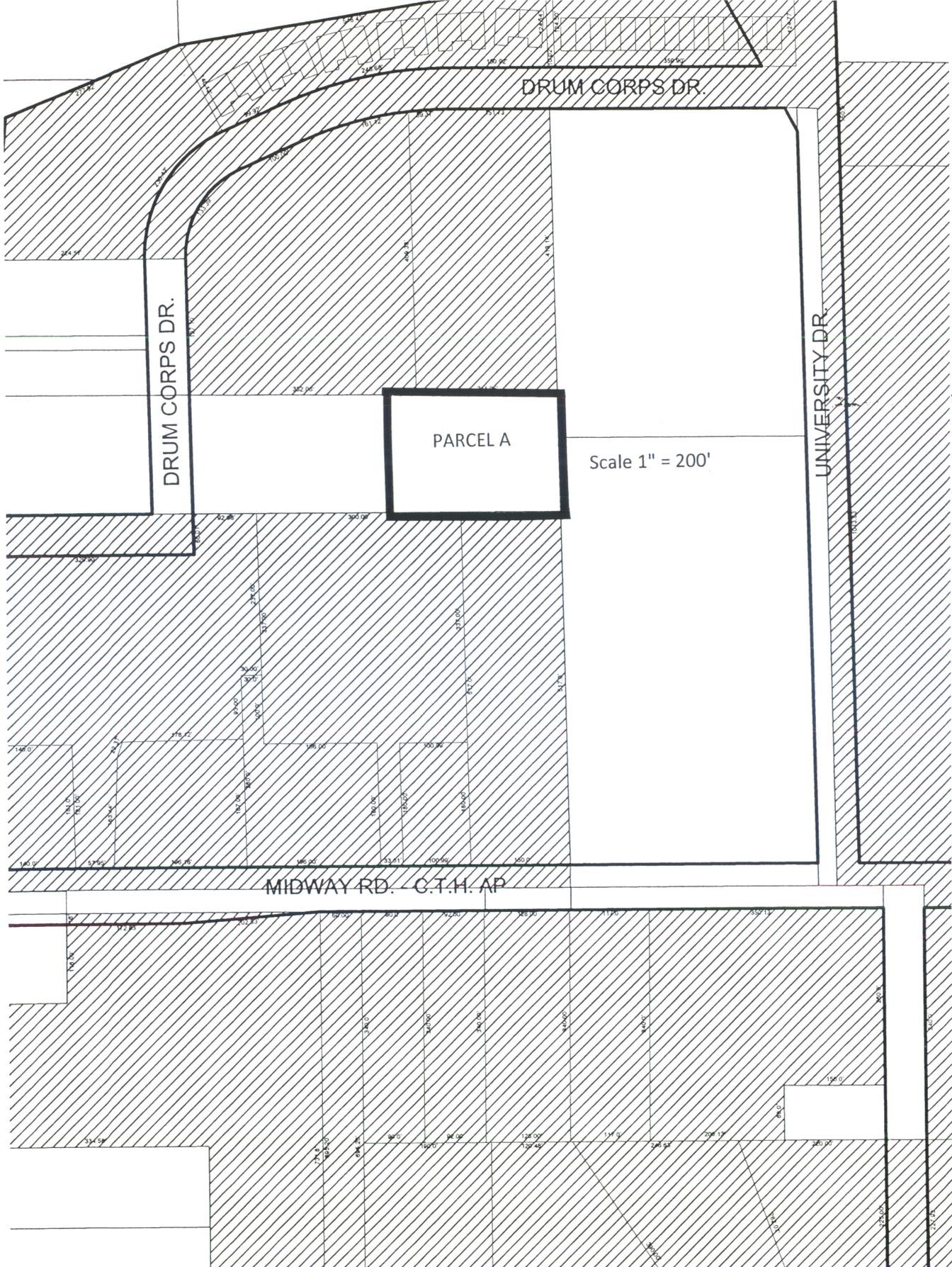


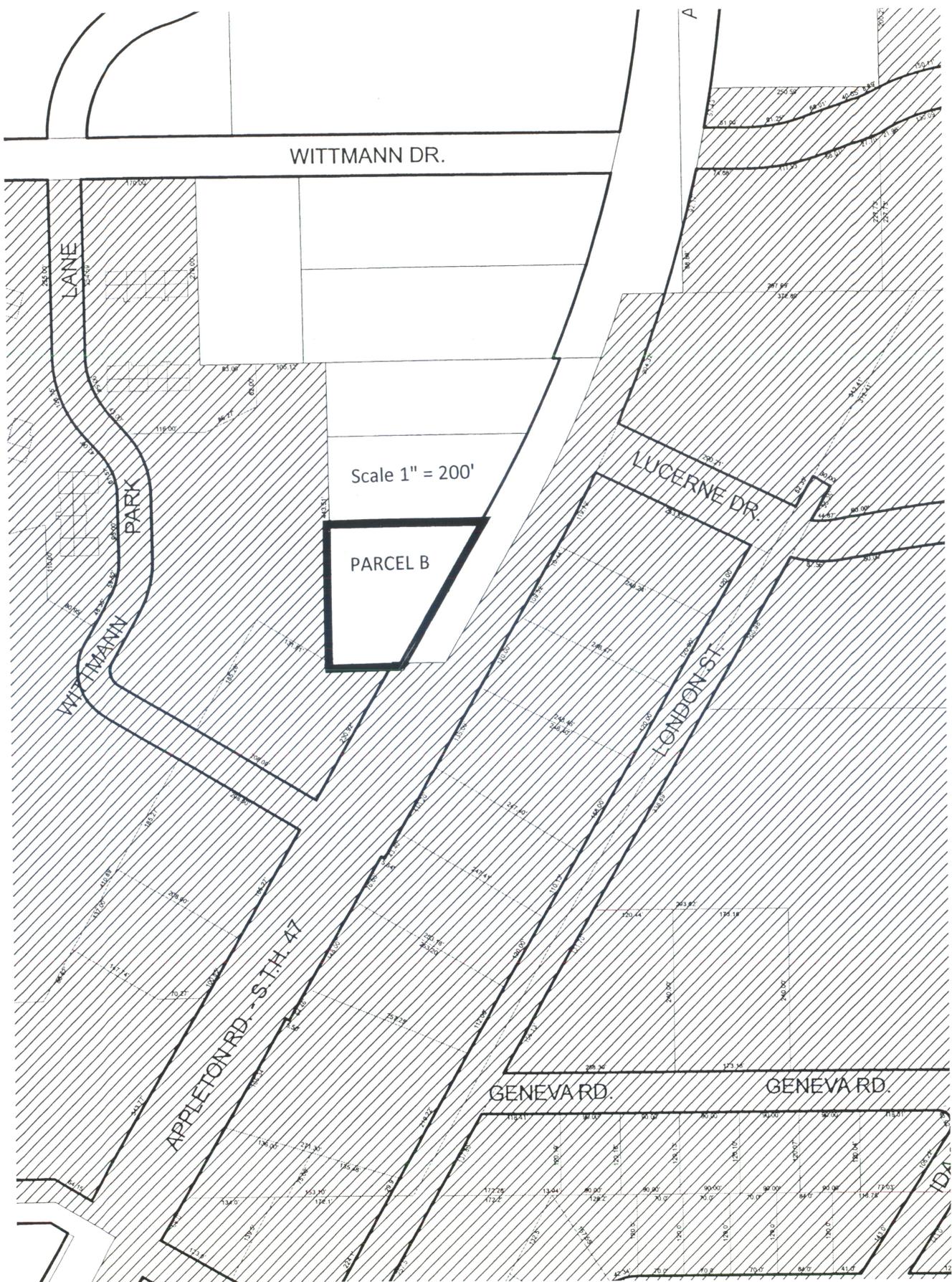
Golden Eagle
Properties
parcel

Parcel A

Parcel B

Parcel C





WITTMANN DR.

LANE

PARK

WITTMANN

Scale 1" = 200'

PARCEL B

LUCERNE DR.

LONDON ST.

APPLETON RD. - S.T.H. 47

GENEVA RD.

GENEVA RD.

A

IDA

