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

December 17, 2013
3:30 PM

AGENDA

A. CALL TO ORDER

B. ROLL CALL/EXCUSED ABSENCES

C. MINUTES TO APPROVE
   1. Minutes of the December 3, 2013 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. Special Use Permit – 420 Seventh Street

G. ADJOURNMENT

Menasha is committed to its diverse population. Our Non-English speaking population or those with disabilities are invited to contact the Community Development Department at 967-3650 at least 24-hours in advance of the meeting so special accommodations can be made.

CITY OF MENASHA
Plan Commission
Council Chambers, City Hall – 140 Main Street
December 3, 2013
DRAFT MINUTES

A. CALL TO ORDER

The meeting was called to order at 3:35 PM by Mayor Merkes.

B. ROLL CALL/EXCUSED ABSENCES

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

PLAN COMMISSION MEMBERS EXCUSED: Commissioners Sturm and Schmidt.

PLAN COMMISSION MEMBERS ABSENT: None

OTHERS PRESENT: CDD Keil, PP Homan, David Elliott and Brian Adesso - Menasha Joint School District, Abie Khatchadourian - Eppstein Uhen Architects, Curtis Dachelet, Ben Samolinski - Miron Construction, Greg Gullickson - Point of Beginning, Ald. Dan Zielinski, Lynn Ann Sauby, Laura Biechler, Tom Grade, Paul Brunette, Bob Dove, John Nebel and James Taylor.

3:30 PM – Public Hearing Regarding the Special Use Permit Application for 336 Chute Street, Biechler's Chute Street Pub

Mayor Merkes opened the informal public hearing at 3:30 PM.

- Curtis Dachelet commented that he was glad something was happening with the property and expressed concerns about lighting, the location of outdoor smoking areas and the potential for loud music.
- Bob Dove stated that he was glad something was happening with the property, but was concerned about how the parking needs of both the bar and the four apartment units would be met with the limited on-site parking and how those uses may impact the Germania Hall parking lot.
- Lynn Ann Sauby commented that she was happy to have new activity on the property. She expressed a desire to keep the residential character of the area intact and stated concerns about parking, lighting, outdoor smoking, landscaping, property boundaries, location of the dumpster enclosure, the potential number of patrons, and handicap accessibility.
- John Nebel stated that he was pleased to see something happening with the property, but felt that a bar was not an appropriate use for the site and was concerned about the potential for adverse impacts on the adjoining residents.

Mayor Merkes closed the public hearing at 3:50 PM.

3:35 PM – Public Hearing Regarding the Special Use Permit Application for 420 Seventh Street, Menasha High School Addition/Renovation

Mayor Merkes opened the informal public hearing at 3:51 PM.

- Abie Khatchadourian, project architect, updated the Plan Commission on changes and new materials that are being presented since the project's introduction at the November 19 meeting. These included a landscaping plan, lighting plan, renderings of all of the building elevations and the provision of building material samples.
- Tom Grade commented on preserving and reusing the decorative limestone features on the west end of the building.

Mayor Merkes closed the public hearing at 3:55 PM.

C. MINUTES TO APPROVE

1. **Minutes of the November 19, 2013 Plan Commission Meeting**
   Motion by Comm. DeCoster, seconded by PWD Radtke to approve the November 19, 2013 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.

ACTION ITEMS

1. **Special Use Permit – 336 Chute Street – Biechler's Chute Street Pub and Apartments**
   Commissioners discussed:
   - The location and type of outdoor lighting.
   - The location and use of building entrances.
   - The dumpster location relative to the parking lot configuration and the adjoining residences.
   - The proposed landscaping plan and the schedule for its implementation.
   - Snow removal.
   - Possible methods for creating separation between the subject site and Germania Hall's parking lot.
   - The utility/desirability of the proposed fence in the transitional area.

   Additional input was received from Bob Dove, Laura Biechler, John Nebel and Curtis Dachelet on these topics.

   Motion by Ald. Benner, seconded by Comm. Cruickshank to recommend approval of the Special Use Permit for 336 Chute Street with the following conditions:
   - That the dumpster enclosure be relocated to the northwest corner of the parking lot.
   - That parking lot and landscaping improvements be initiated by June 1, 2014.
   - That any storm water plan and or facilities be subject to review and approval by the Public Works Department.
   - That four of the stalls in the parking lot be dedicated to apartment tenants.
   - That a lighting plan be submitted to the Community Development Department for review and approval.
   - That the fence be removed from the landscape Transitional Area.
   - That additional detail be provided on the railing around the outdoor seating area for review and approval by the Community Development Department.

   The motion carried with DPW Radtke voting no.

2. **Special Use Permit – 420 Seventh Street – Menasha High School Addition/Renovation**
   CDD Keil provided staff comments on the proposed site plan and noted deficiencies relative to erosion control, lighting, landscaping and the dumpster enclosure. Commissioners received input from James Taylor regarding existing lighting, the outdoor storage of football equipment and the need for a sidewalk on the south side of Eighth Street. Input was also provided by Tom Grade regarding the preservation and reuse of architectural details, to which Abie Khatchadourian replied that the preservation and reuse of those details is intended.

   Commissioners discussed:
   - Site lighting.
   - The use and placement of the dumpster enclosure.
   - The need for a sidewalk on the south Side of Eighth Street and the effect it would have on the proposed landscaping plan.

   The consensus was to hold this item to provide opportunity for the School District to evaluate

options for the sidewalk.

G. ADJOURNMENT

Motion by Comm. DeCoster, seconded by DPW Radtke to adjourn at 5:42 p.m. The motion carried.

Minutes respectfully submitted by CDD Keil.

City of Menasha

SPECIAL ZONING APPROVAL

Owner Menasha School District Case or Plan No. _____

Address 1420 Seventh St - Menasha High School Fee $350

Applicant (if different than Owner) _____

Address 328 Sixth St

Zoning R-1 Parcel Number(s) 1-00574-00; 1-00573-00; 1-00572-00; 1-00571-00; 1-00570-00; 1-00569-00; 1-00568-00

PLEASE INDICATE WHICH REQUEST IS BEING MADE

- ☐ Rezoning
- ☑ Special Use
- ☐ Flood Plain Map Amendment
- ☐ Appeal or Variance
- ☐ PUD Plan Approval

Description of Request: Site plan approval for the proposed building additions at the Menasha High School. A Special Use Permit is needed since the school is in a residential district.

Owner/Agent [signature] Director of Business Services
Signature

(If applicable)

Formal Hearing _____

Informal Hearing _____ Notice Mailed _____

Notice Mailed _____ Notice Mailed _____

Action Taken: _____ 20____

☐ APPROVED ☐ DENIED

Conditions (if any): _____

November 27, 2013

RE: Special Use Permit Application for Menasha High School Addition/Renovation

Dear Property Owner:

The Menasha School District (MSD) has applied for a Special Use Permit for properties encompassing the Menasha High School Campus located at 420 Seventh Street, as identified on the attached map. MSD has requested the Special Use Permit in order to undertake the proposed addition and renovation of Menasha High School. The property where the additions will be taking place is zoned R-1 Single Family Residence District which requires a Special Use Permit for schools, per Sec. 13-1-25(d)(13) of the City of Menasha Municipal Code.

The City of Menasha Plan Commission will be considering this request at an informal public hearing on Tuesday, December 3, 2013 at 3:35 p.m. or shortly thereafter in the City Hall Council Chambers at 140 Main Street, Menasha.

The City of Menasha Common Council will also be considering this request at a formal public hearing scheduled for Monday, December 16, 2013 at 6:00 p.m. or shortly thereafter in the City Hall Council Chambers, 140 Main Street, Menasha. A copy of the notice of the Common Council hearing on this proposal is attached along with an area map identifying the location of the property.

Persons interested in this matter will be given an opportunity to comment on the request; written comments will also be considered. The City of Menasha is notifying you because you own property within one hundred (100) feet of the proposed special use, pursuant to Section 13-1-11(d)(3) of the Municipal Code. If you have any questions, please feel free to contact me.

Sincerely,

Kara Homan, AICP
Principal Planner

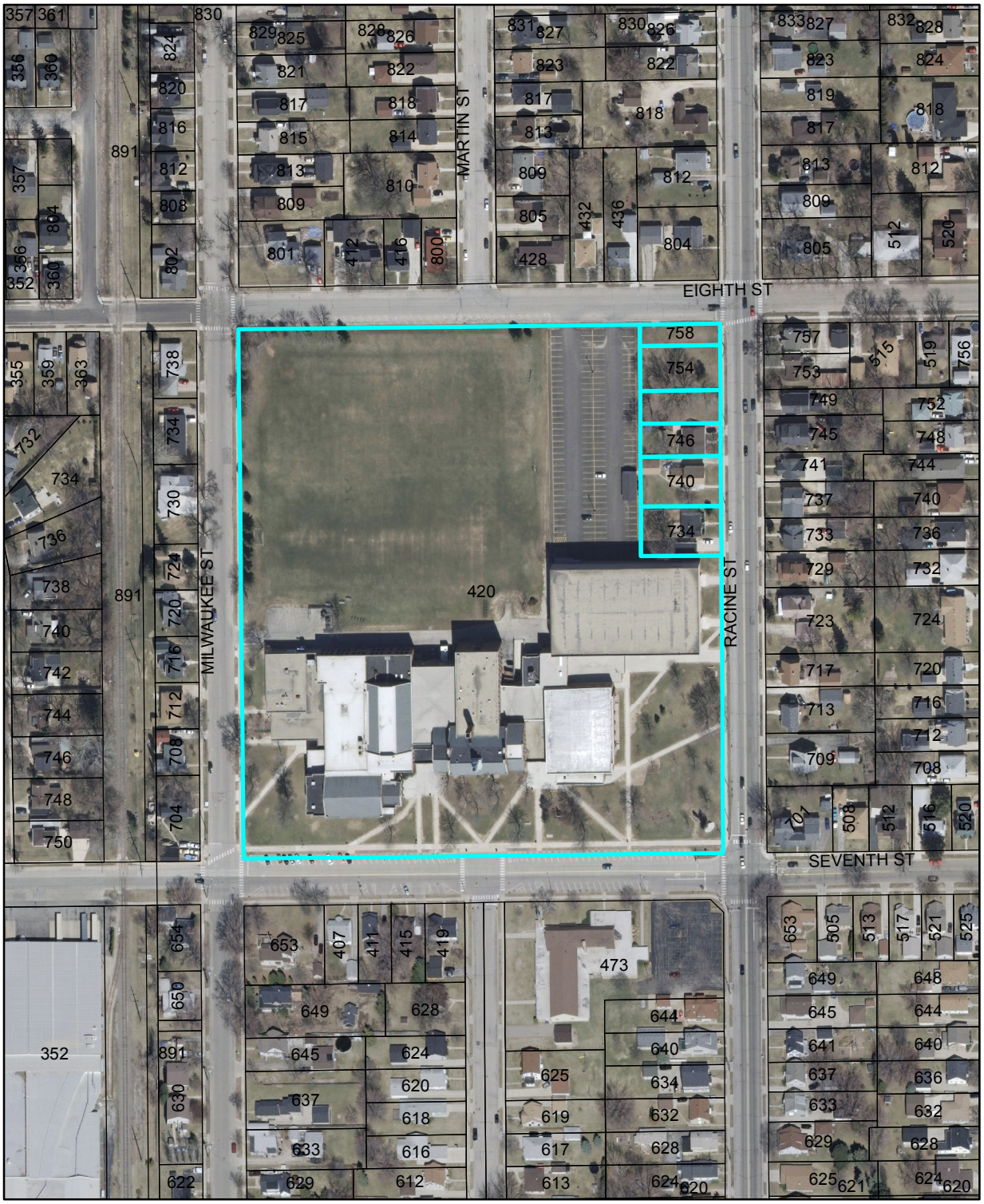
C: Plan Commission
City Clerk Galeazzi

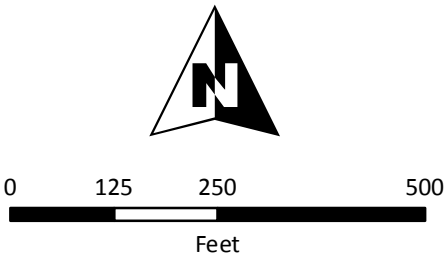
City of Menasha
Public Hearings

NOTICE IS HEREBY GIVEN that public hearings will be held by the Menasha Plan Commission and Common Council on an application for a Special Use Permit by the Menasha School District for the expansion and renovation of the Menasha High School on property located in the R-1: Single Family Residence District, as required by Sec. 13-1-25(d)(13) of the City of Menasha Municipal Code. The proposed expansion and renovation is to take place on the Menasha High School Campus located at 420 Seventh Street, which includes Parcel Numbers 1-00574-00, 1-00573-00, 1-00572-00, 1-00571-00, 1-00570-00, 1-00569-00, and 1-00568-00, City of Menasha, Winnebago County, Wisconsin. The Plan Commission will hold its informal public hearing on Tuesday, December 3, 2013 at 3:35 PM, or shortly thereafter, in the Council Chambers of Menasha City Hall located at 140 Main Street, Menasha, WI 54952. The Common Council will hold its formal public hearing on this matter at 6:00 PM, or shortly thereafter, on Monday, December 16, 2013 at the same location. All persons interested in commenting on the application for this Special Use Permit are invited to attend.

Deborah A. Galeazzi, WCMC
City Clerk

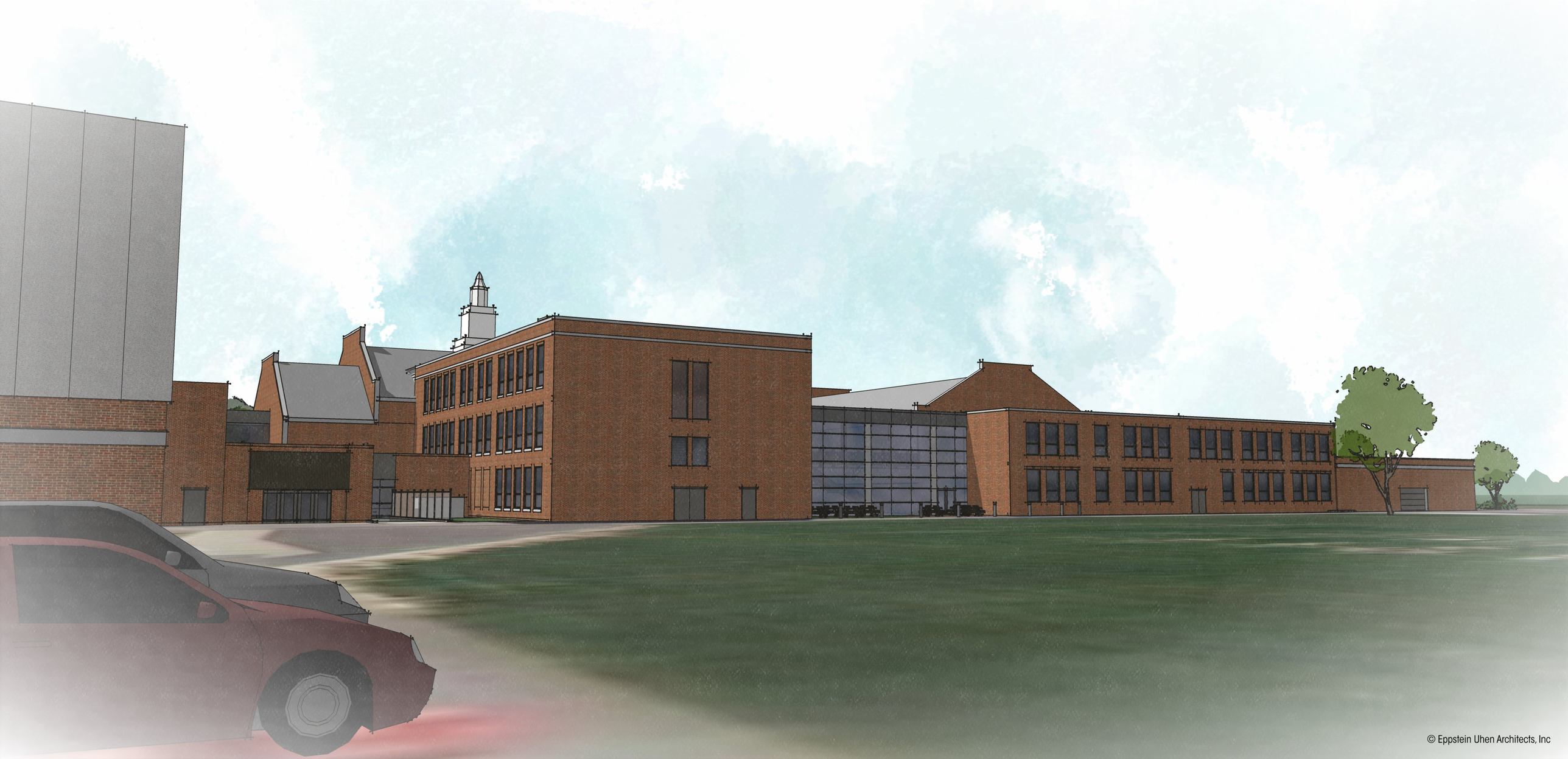
Run: Dec 1 & 9, 2013





Special Use Permit Location
Menasha High School
Addition/Rennovation

Parcel Numbers: 1-00574-00; 1-00573-00;1-00572-00;
1-00571-00; 1-00570-00; 1-00569-00; 1-00568-00



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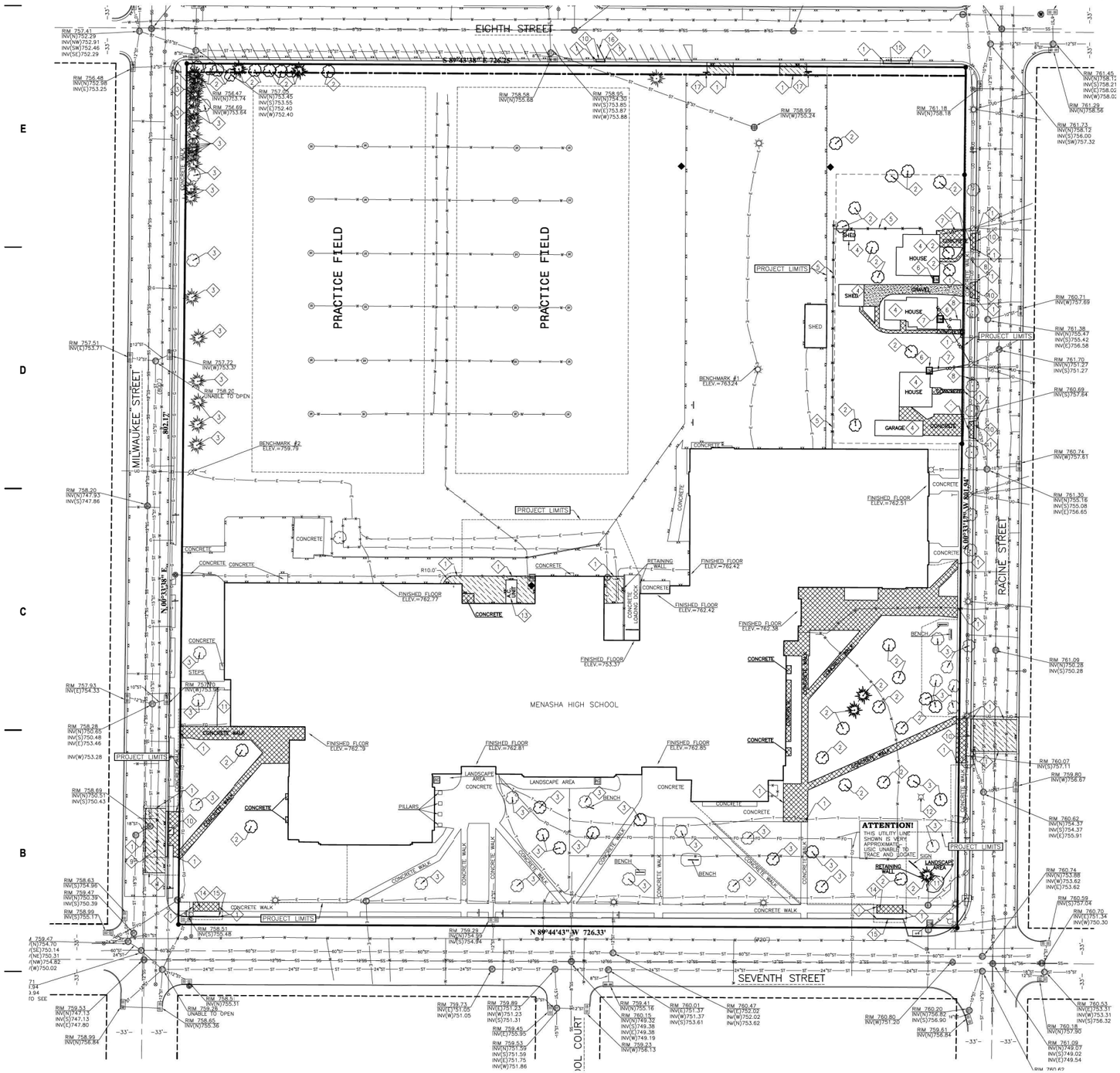
© Eppstein Uhen Architects, Inc

Interior view of new science addition looking back to the original gym - image provided by Eppstein Uhen Architects.



KEYNOTES:

1. SAWCUT EXISTING PAVEMENT
2. CLEAR AND GRUB EXISTING TREE
3. SAVE AND PROTECT EXISTING TREE
4. DEMOLISH/REMOVE EXISTING STRUCTURE
5. DEMOLISH/REMOVE EXISTING FENCE
6. COORDINATE WITH GAS UTILITY TO REMOVE EXISTING SERVICE
7. COORDINATE WITH ELECTRIC UTILITY TO REMOVE EXISTING SERVICE
8. COORDINATE WITH MUNICIPALITY TO ABANDON EXISTING WATER AND SANITARY SEWER SERVICE
9. REMOVE EXISTING DUCTILE IRON PIPE
10. REMOVE EXISTING CONCRETE CURB & GUTTER
11. REMOVE EXISTING LANDSCAPE AREA
12. POTENTIAL UTILITY CLEANOUT-- CONTRACTOR SHALL CONFIRM USE
13. REMOVE EXISTING A.C. UNIT (COORDINATE WITH MECHANICAL CONTRACTOR)
14. REMOVE AND REPLACE CONCRETE SIDEWALK DAMAGED BY CONSTRUCTION ENTRANCE
15. REMOVE AND REPLACE CONCRETE CURB AND GUTTER DAMAGED BY CONSTRUCTION ENTRANCE
16. REMOVE EXISTING PAVEMENT STRIPING
17. SALVAGE/RELOCATE EXISTING SIGN

DEMOLITION HATCH PATTERNS:

GRAVEL REMOVAL

CONCRETE REMOVAL

ASPHALT REMOVAL

GENERAL NOTES:

1. CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
2. ALL DEMOLITION MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER EXCEPT FOR THOSE ITEMS NOTED TO BE SALVAGED, WHICH SHOULD BE TURNED OVER TO THE OWNER.
3. INSTALL ALL REQUIRED EROSION CONTROL MEASURES FOR PERIMETER PROTECTION PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
4. ALL BIDDERS PLANNING ON SUBMITTING A BID SHALL VISIT THE SITE AND REVIEW THE EXISTING CONDITIONS PRIOR TO THE BID DATE.
5. COORDINATE WITH THE OWNER AND LOCAL UTILITY COMPANIES TO LOCATE ANY EXISTING PRIVATE UTILITIES ON SITE PRIOR TO THE START OF WORK.
6. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR AND INCLUDED IN THE BASE BID CONTRACT.
7. STRIP TOPSOIL WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE PROJECT MANUAL SPECIFICATIONS.
8. STOCKPILE STRIPPED TOPSOIL ON SITE. PLACE SILT FENCE AROUND THE BASE OF THE STOCKPILE TO PREVENT EROSION.
9. PRIOR TO PERFORMING WORK WITHIN PUBLIC RIGHT OF WAYS, NOTIFY AND COORDINATE WORK WITH THE LOCAL MUNICIPALITY.
10. THE CONTRACTOR SHALL KEEP ALL CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE OUTSIDE WITHIN THE IDENTIFIED PROJECT LIMITS.
11. ALL CONCRETE SAWCUTS SHALL BE FULL DEPTH AT NEAREST JOINT.

LEGEND

These standard symbols will be found in the drawing.

- SANITARY PER CONSTRUCTION DOCS.
- STORM PER CONSTRUCTION DOCS.
- WATER PER CONSTRUCTION DOCS.
- ELECTRIC PER CONSTRUCTION DOCS.
- GAS PER CONSTRUCTION DOCS.
- SANITARY SEWER
- STORM SEWER
- OVERHEAD UTILITIES
- BURIED ELECTRIC
- BURIED GAS
- BURIED TELEPHONE
- WATERMAIN
- FIBER OPTICS
- FENCE LINE
- EDGE OF BITUMINOUS
- CONTOUR LINE
- RECTANGULAR CATCH BASIN
- CIRCULAR CATCH BASIN
- SOIL BORING
- IRRIGATION HEAD
- CLEAN OUT
- ELECTRIC METER
- ELECTRIC MANHOLE
- ELECTRIC TRANSFORMER
- GAS METER
- GAS VALVE
- GAURD POST
- GUY WIRE
- HYDRANT
- LIGHTPOLE
- POWERPOLE
- SANITARY MANHOLE
- SIGN
- STORM MANHOLE
- STORM MANHOLE
- TELEPHONE PEDESTAL
- TRAFFIC SIGNAL
- WATER MANHOLE
- WATER VALVE
- TREE
- PINE TREE
- COMPUTED CORNER
- RECORDED AS

UNDERGROUND UTILITIES

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE SURVEYOR AND ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.

SOME UTILITIES HAVE BEEN LOCATED BY MAPS PROVIDED BY OTHERS -- LOCATIONS ARE APPROXIMATE.

PRIVATE UTILITIES MAY EXIST BUT ARE NOT SHOWN ON MAP. CONTACT DIGGERS HOTLINE FOR LOCATIONS.

FIELD VERIFY SANITARY AND STORM SEWER PIPE SIZE AND LOCATION.

UNDERGROUND UTILITIES SHOWN ON THIS MAP ARE BASED IN PART ON MARKINGS BY DIGGERS HOTLINE. (TICKET #20132706899, #20132706912, #20132706922, #20132706933 AND #20132706950)

BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
MARKER "X" ON LIGHT POLE BASE, LOCATED IN THE MAIN PARKING LOT NORTH OF THE HIGH SCHOOL AND BEING THE MOST SOUTHERN LIGHT POLE.
ELEVATION = 763.24

BENCHMARK #2
SPIKE IN POWER POLE, LOCATED ON THE EAST SIDE OF MILWAUKEE STREET AND BEING APPROXIMATELY 400 FEET SOUTH OF EIGHTH STREET.
ELEVATION = 759.79

BENCHMARK #3
BURY BOLT ON HYDRANT, LOCATED IN THE NORTHEAST CORNER OF MILWAUKEE STREET AND EIGHTH STREET.
ELEVATION = 759.12

DESCRIPTION

LOTS 1, 2, 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, 16 AND PART OF LOTS 5, 6 AND 7, ALL IN REEE'S FIRST ADDITION, LOCATED IN THE NORTHEAST ¼ OF SECTION 15, TOWNSHIP 20 NORTH, RANGE 17 EAST, CITY OF MENASHA, WINNEBAGO COUNTY, WISCONSIN.

0' 40' 80' 120'

Scale 1"=40'

Point of Beginning
Land Surveying
Engineering
Landscape Architecture
5709 Windy Drive, Suite D
Stevens Point, WI 54482
715.344.9990(tel)
715.344.9992(fax)

eu:a
eppstein uhen : architects
milwaukee 333 East Chicago Street Milwaukee, Wisconsin 53202 tel 414 271 5350 fax 414 271 7794
madison 222 West Washington Ave, Suite 650 Madison, Wisconsin 53703 tel 608 442 5350 fax 608 442 6680

PROJECT INFORMATION

MENASHA HIGH SCHOOL

420 Seventh Street
Menasha, WI 54952

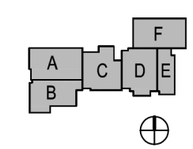
ISSUANCE AND REVISIONS

DESIGN PROGRESS

REVISIONS

#	DATE	DESCRIPTION

KEY PLAN



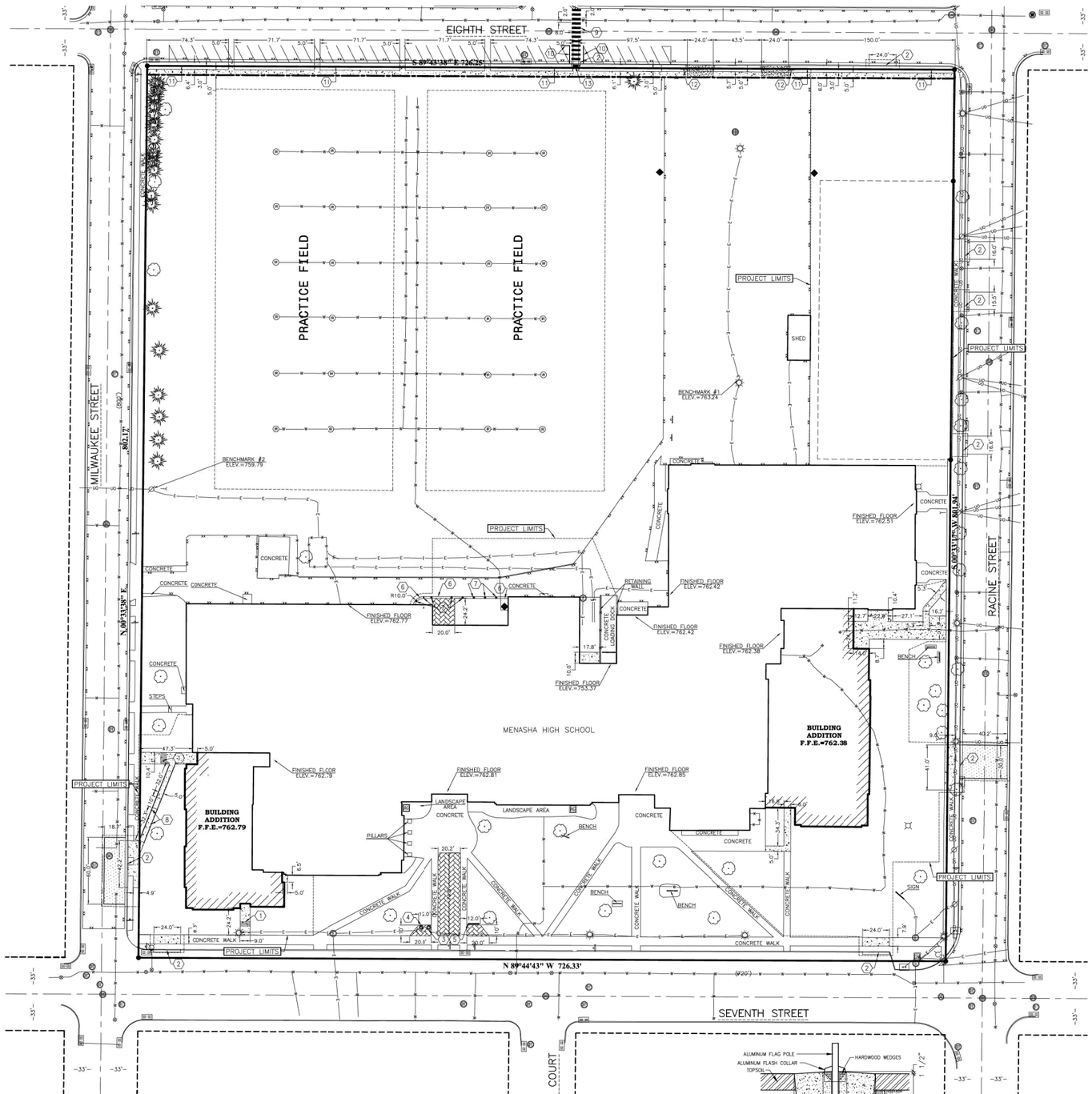
SHEET INFORMATION

PROJECT MANAGER	MLB
PROJECT NUMBER	310285
DATE	12-12-13

DEMOLITION PLAN

C100

© Eppstein Uhen Architects, Inc.



GENERAL NOTES:

1. SEE SHEET C103 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
2. VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
3. ALL BIDDERS PLANNING ON SUBMITTING A BID SHALL VISIT THE SITE AND REVIEW THE EXISTING CONDITIONS PRIOR TO THE BID DATE.
4. PRIOR TO THE START OF WORK VERIFY WITH THE LOCAL AUTHORITIES THAT ALL REQUIRED PERMITS HAVE BEEN ACQUIRED.
5. COORDINATE CONSTRUCTION IN THE RIGHT OF WAY WITH THE LOCAL AUTHORITIES.
6. ALL CURB AND GUTTER RADIUS DIMENSIONS ARE TO THE FLOWLINE OF CURB AND GUTTER.
7. ASPHALT STREET REPAIR SHALL BE CONSTRUCTED IN ACCORDANCE WTH THE CITY OF MENASHA STANDARD SPECIFICATONS.

KEYNOTES:

1. CONCRETE STAIRS — 1 / C101, 2 / C101
2. 30" CURB & GUTTER — 4 / C101
3. 35' FLAG POLE (ALTERNATE BID) — 5 / C101
4. 30' FLAG POLE (ALTERNATE BID) — 5 / C101
5. NEW MONUMENT SIGN (ALTERNATE BID)
6. CONCRETE PARKING LOT EDGE — 7 / C101
7. CONCRETE BOLLARD PEDESTRIAN PROTECTION — 8 / C101
8. A.D.A. RAMP EXTERIOR HANDRAIL — 2 / C101
9. CROSSWALK STRIPING (WHITE)
10. PARKING LOT STRIPING (WHITE, MATCH EXISTING THICKNESS)
11. PROPOSED TO BE DEDICATED AS PUBLIC RIGHT OF WAY
12. INSTALL/RELOCATE SALVAGED DRIVEWAY SIGN
13. CURB RAMP W/DETECTABLE WARNING FIELD — 1 / C102

PAVEMENT HATCH PATTERNS:

- 4" CONCRETE PAVEMENT — 3 / C101
- ASPHALT STREET REPAIR (SEE GENERAL NOTE 7)
- DECORATIVE COLORED AND STAMPED CONCRETE (ALTERNATE BID) — 3 / C101
- REINFORCED CONCRETE DRIVEWAY APRON — 6 / C101

LEGEND

These standard symbols will be found in the drawing.

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- STORM PER CONSTRUCTION DOCS.
- WATER PER CONSTRUCTION DOCS.
- ELECTRIC PER CONSTRUCTION DOCS.
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- BURIED GAS
- BURIED TELEPHONE
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- FIBER OPTICS
- FENCE LINE
- EDGE OF BITUMINOUS
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- CIRCULAR CATCH BASIN
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- GUY WIRE
- HYDRANT
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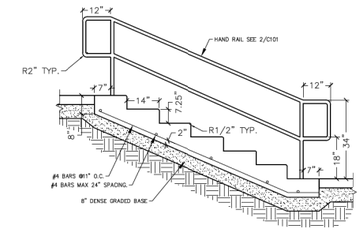
- STORM MANHOLE
- TELEPHONE PEDESTAL
- TRAFFIC SIGNAL
- WATER MANHOLE
- WATER VALVE
- TREE
- PINE TREE
- COMPUTED CORNER
- () RECORDED AS

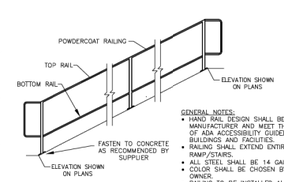
SITE SURFACE AREAS:

	EXISTING AREA	PROPOSED AREA
PAVEMENT & SIDEWALK	109,076 S.F.	88,629 S.F.
ROOF	132,267 S.F.	152,475 S.F.
TOTAL IMPERVIOUS	241,343 S.F.	241,104 S.F.

ESTIMATED AREA OF DISTURBANCE = 99,568 S.F. (2.29 ACRES)

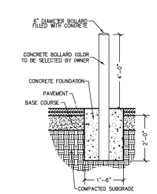


EXTERIOR STAIRS — 1 / C101

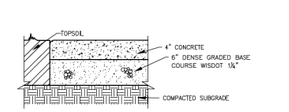


GENERAL NOTES:
- HAND RAIL DESIGN SHALL BE PROVIDED BY MANUFACTURER AND MEET THE REQUIREMENTS OF ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES.
- RAILING SHALL EXTEND ENTIRE LENGTH OF RAMP/STAIRS.
- ALL STEEL SHALL BE 14 GAUGE (MIN.).
- COLOR SHALL BE CHOSEN BY ARCHITECT AND OWNER.
- RAILING TO BE INSTALLED ALONG BOTH SIDES OF THE CONCRETE RAMP/STAIRS, 3" FROM THE OUTSIDE EDGE.
- ANY WELD JOINTS ON HAND RAIL SHALL BE GROUND SMOOTH.

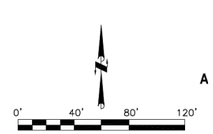
EXTERIOR HANDRAIL — 2 / C101



CONCRETE BOLLARD — 8 / C101



4" CONCRETE PAVEMENT — 3 / C101



Point of Beginning
Land Surveying
Engineering
Landscape Architecture
5709 Windy Drive, Suite D
Stevens Point, WI 54482
715.344.9999(fx)
715.344.9999(fx)

UNDERGROUND UTILITIES

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE SURVEYOR AND ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.

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BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
MARKER "x" ON LIGHT POLE BASE, LOCATED IN THE MAIN PARKING LOT NORTH OF THE HIGH SCHOOL AND BEING THE MOST SOUTHERN LIGHT POLE.
ELEVATION = 763.24

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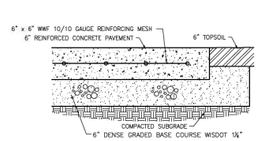
BENCHMARK #3
BURY BOLT ON HYDRANT, LOCATED IN THE NORTHEAST CORNER OF MILWAUKEE STREET AND EIGHTH STREET.
ELEVATION = 759.12

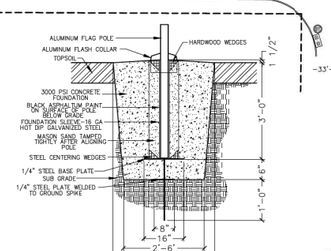
DESCRIPTION

LOTS 1, 2, 3, 4, 6, 9, 10, 11, 12, 13, 14, 15, 16 AND PART OF LOTS 5, 6 AND 7, ALL IN REEC'S FIRST ADDITION, LOCATED IN THE NORTHEAST ¼ OF SECTION 15, TOWNSHIP 20 NORTH, RANGE 17 EAST, CITY OF MENASHA, WINNEBAGO COUNTY, WISCONSIN.

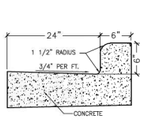
PARKING LOT EDGE — 7 / C101



REINFORCED CONCRETE — 6 / C2.0



FLAG POLE BASE — 5 / C101



STANDARD CURB

30" CURB AND GUTTER — 4 / C101

eppstein uhen : architects
milwaukee 333 East Chicago Street Milwaukee, Wisconsin 53202 tel 414 271 5350 fax 414 271 7794
madison 222 West Washington Ave, Suite 650 Madison, Wisconsin 53703 tel 608 442 5350 fax 608 442 6680

PROJECT INFORMATION

MENASHA HIGH SCHOOL

420 Seventh Street
Menasha, WI 54952

ISSUANCE AND REVISIONS

DESIGN PROGRESS

REVISIONS

#	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

PROJECT MANAGER	MLB
PROJECT NUMBER	310285
DATE	12-12-13

LAYOUT PLAN

C101

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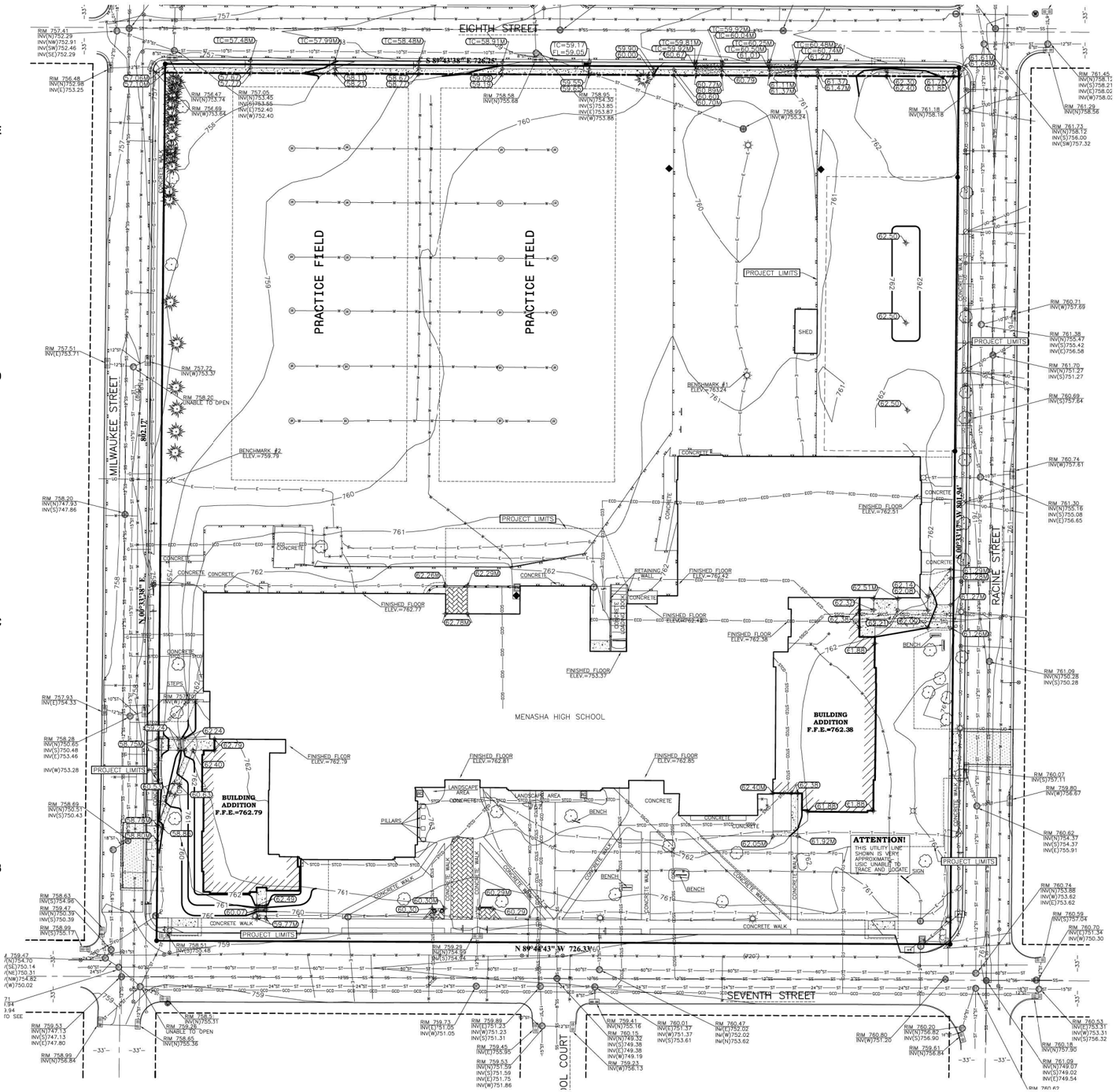

GENERAL NOTES:

1. GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
2. 6" OF TOPSOIL SHALL BE PROVIDED IN ALL GENERAL LAWN AREAS.
3. SEE SHEET C103 FOR A.L. REQUIRED EROSION CONTROL ELEMENTS.
4. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR AND INCLUDED IN THE BASE BID CONTRACT.
5. COORDINATE ALL EARTHWORK ACTIVITIES WITH GAS, ELECTRIC, (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS, AND SIGNAGE) CABLE, AND TELEPHONE CONSTRUCTION WITH RESPECTIVE TRADES FOR THE INSTALLATION OF SAID UTILITIES.
6. COORDINATE ALL WORK WITHIN THE RIGHT-OF-WAY WITH THE CITY OF MANASHA.
7. GRADES AT BUILDING EDGE SHALL BE 6" BELOW FINISHED FLOOR ELEVATION EXCEPT AT DOOR WAY EXTRANCES OR UNLESS OTHERWISE NOTED.

GRADING LEGEND:

EXISTING CONTOUR	712
PROPOSED CONTOUR	712
PROPOSED SPOT ELEVATION	58.00
EXISTING TOP OF CURB MATCH ELEVATION	TC=60.48M
EXISTING MATCH ELEVATION	61.47M

LEGEND

These standard symbols will be found in the drawing.

- SANITARY PER CONSTRUCTION DOCS.
- STORM PER CONSTRUCTION DOCS.
- WATER PER CONSTRUCTION DOCS.
- ELECTRIC PER CONSTRUCTION DOCS.
- GAS PER CONSTRUCTION DOCS.
- SANITARY SEWER
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- BURIED GAS
- BURIED TELEPHONE
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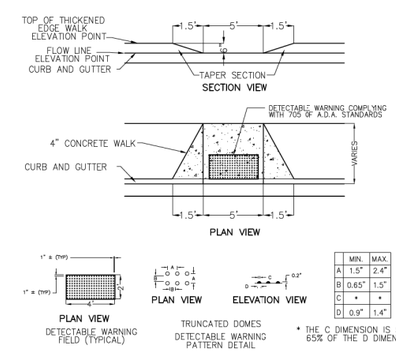
- FENCE LINE
- EDGE OF BITUMINOUS
- CONTOUR LINE
- RECTANGULAR CATCH BASIN
- CIRCULAR CATCH BASIN
- SOIL BORING
- IRRIGATION HEAD
- CLEAN OUT
- ELECTRIC METER
- ELECTRIC MANHOLE
- ELECTRIC TRANSFORMER
- GAS METER
- GAS VALVE
- GAURD POST
- GUY WIRE
- HYDRANT
- LIGHTPOLE
- POWERPOLE
- SANITARY MANHOLE
- SIGN
- STORM MANHOLE
- STORM MANHOLE
- TELEPHONE PEDESTAL
- TRAFFIC SIGNAL
- WATER MANHOLE
- WATER VALVE
- TREE
- PINE TREE
- COMPUTED CORNER
- () RECORDED AS



	MIN.	MAX.
A	1.5"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION

CURB RAMP/DETCTABLE WARNING

1 / C102

UNDERGROUND UTILITIES

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PRIVATE UTILITIES MAY EXIST BUT ARE NOT SHOWN ON MAP. CONTACT DIGGERS HOTLINE FOR LOCATIONS.

FIELD VERIFY SANITARY AND STORM SEWER PIPE SIZE AND LOCATION.

UNDERGROUND UTILITIES SHOWN ON THIS MAP ARE BASED IN PART ON MARKINGS BY DIGGERS HOTLINE. (TICKET #20132706899, #20132706912, #20132706922, #20132706933 AND #20132706950)

BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
MARKER "x" ON LIGHT POLE BASE, LOCATED IN THE MAIN PARKING LOT NORTH OF THE HIGH SCHOOL AND BEING THE MOST SOUTHERN LIGHT POLE.
ELEVATION = 763.24

BENCHMARK #2
SPIKE IN POWER POLE, LOCATED ON THE EAST SIDE OF MILWAUKEE STREET AND BEING APPROXIMATELY 400 FEET SOUTH OF EIGHTH STREET.
ELEVATION = 759.79

BENCHMARK #3
BURY BOLT ON HYDRANT, LOCATED IN THE NORTHEAST CORNER OF MILWAUKEE STREET AND EIGHTH STREET.
ELEVATION = 759.12

DESCRIPTION

LOTS 1, 2, 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, 16 AND PART OF LOTS 5, 6 AND 7, ALL IN REEE'S FIRST ADDITION, LOCATED IN THE NORTHEAST ¼ OF SECTION 15, TOWNSHIP 20 NORTH, RANGE 17 EAST, CITY OF MENASHA, WINNEBAGO COUNTY, WISCONSIN.

eppstein uhen : architects

milwaukee 333 East Chicago Street
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PROJECT INFORMATION

MENASHA HIGH SCHOOL

420 Seventh Street
Menasha, WI 54952

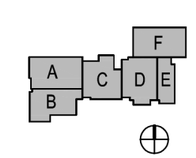
ISSUANCE AND REVISIONS

DESIGN PROGRESS

REVISIONS

#	DATE	DESCRIPTION

KEY PLAN



SHEET INFORMATION

PROJECT MANAGER	MLB
PROJECT NUMBER	310285
DATE	12-12-13

0' 40' 80' 120'

Scale 1"=40'

Point of Beginning
Land Surveying
Engineering
Landscape Architecture
5709 Windy Drive, Suite D
Stevens Point, WI 54482
715.344.9999(fx)
715.344.9922(fx)

GRADING PLAN

C102

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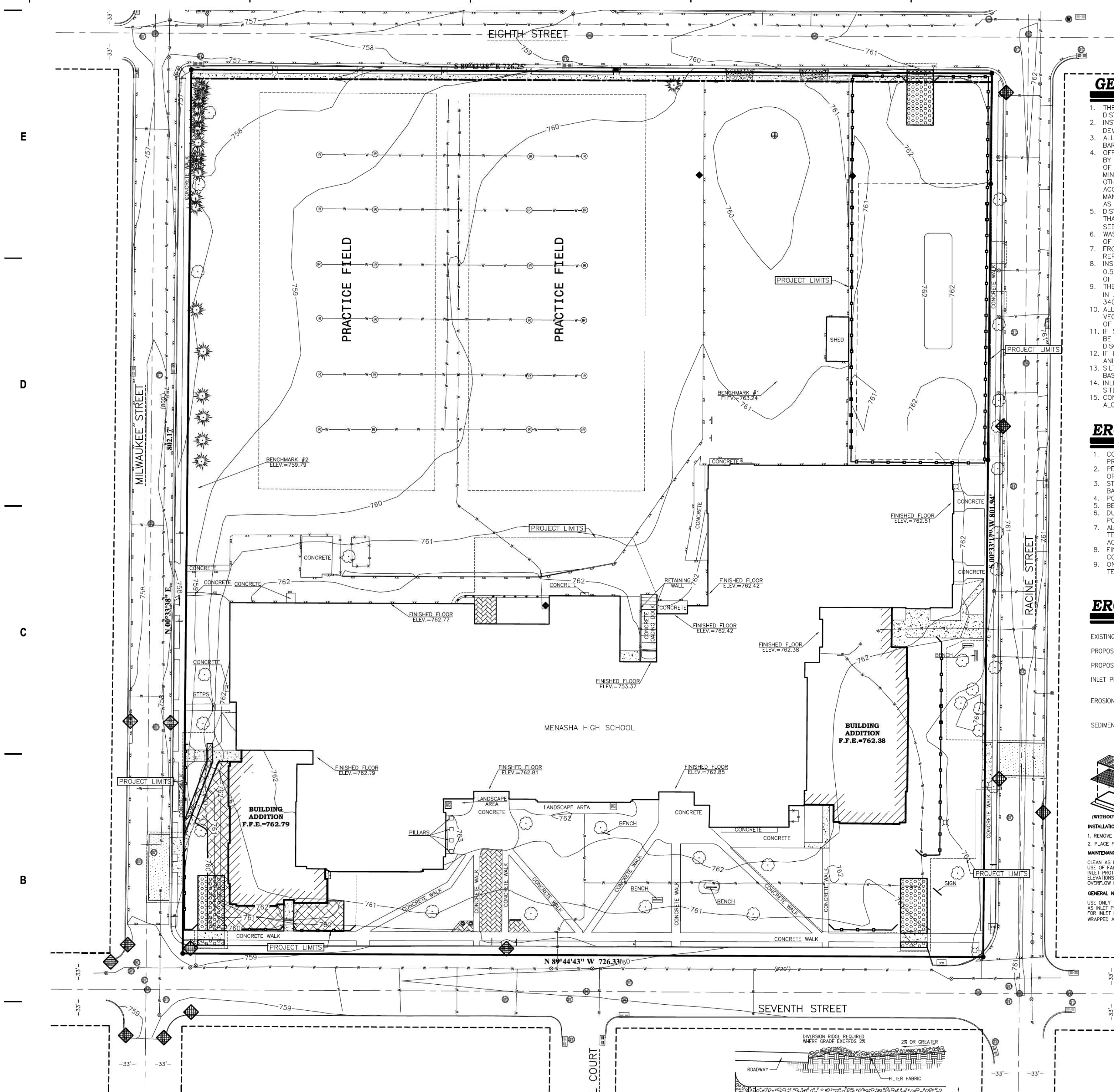


GENERAL NOTES:

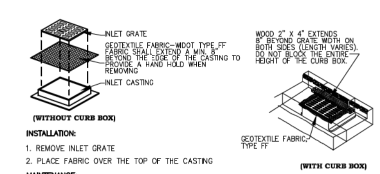
1. THE CONTRACTOR SHALL NOTIFY THE LOCAL MUNICIPALITY AT LEAST 3 WORKING DAYS PRIOR TO SOIL DISTURBING ACTIVITIES.
2. INSTALL ALL TEMPORARY EROSION CONTROL ELEMENTS BEFORE BEGINNING DEMOLITION/CONSTRUCTION.
3. ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE AS TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
4. 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, BEFORE IMMINENT RAN EVENTS, AND AS DIRECTED BY THE CITY OF MENASHA.
5. DISTURBED GROUND OUTSIDE OF THE EVERYDAY CONSTRUCTION AREAS, INCLUDING SOIL STOCKPILES, THAT ARE LEFT INACTIVE FOR MORE THAN 7 DAYS SHALL BE TEMPORARILY STABILIZED BY SEEDING/MULCHING OR OTHER APPROVED METHODS.
6. WASTE MATERIAL THAT IS GENERATED ON THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO RECEIVING WATERS.
7. EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF EACH WORK DAY.
8. INSPECT ALL EROSION CONTROL MEASURES AT LEAST ONCE A WEEK AND AFTER ANY RAINFALL OF 0.5" OR MORE. MAKE NEEDED REPAIRS AND DOCUMENT ALL ACTIVITIES AS PER THE REQUIREMENTS OF THE NOTICE OF INTENT.
9. THE CONTRACTOR SHALL PERFORM INSPECTIONS AND MONITORING OF EROSION CONTROL PRACTICES IN ACCORDANCE WITH THE WISCONSIN DNR "CONSTRUCTION SITE INSPECTION REPORT" FORM 3400-18
10. ALL TEMPORARY EROSION CONTROL ELEMENTS SHALL REMAIN IN PLACE UNTIL 80% GROWTH OF VEGETATION IS ESTABLISHED, REMOVAL OF TEMPORARY EROSION CONTROL ELEMENTS SHALL BE PART OF THE CONTRACTORS BASE BID.
11. IF SEDIMENT LADEN WATER NEEDS TO BE REMOVED FROM SITE, FILTER BAGS OR SCREENING SHALL BE USED IN ACCORDANCE WITH THE WI DNR TECHNICAL STANDARDS 1061 TO PREVENT THE DISCHARGE OF SEDIMENT TO THE MAXIMUM EXTENT PRACTICABLE.
12. IF BARE SOIL WILL BE EXPOSED DURING THE WINTER MONTHS, STABILIZATION BY MULCHING OR ANIONIC POLYACRYLAMIDE SHALL OCCUR PRIOR TO SNOW OR FROZEN GROUND.
13. SILT FENCE SHALL BE INSTALLED AROUND THE BASE OF ALL STOCKPILED TOPSOIL AND GRAVEL BASE.
14. INLET PROTECTION SHALL BE PROVIDED ADJACENT TO THE SITE, ACROSS THE STREET FROM THE SITE, AND IN THE NEXT SET OF INLETS DOWNSTREAM OF THE SITE.
15. CONSTRUCTION FENCING & ACCESS GATES SHALL BE INSTALLED BY THE GENERAL CONTRACTOR ALONG PROJECT LIMITS.

EROSION CONTROL SEQUENCING

1. COMMENCE PROJECT BY INSTALLING PERIMETER EROSION CONTROL (SILT FENCE) AND INLET PROTECTION ON ADJACENT STREETS.
2. PERFORM DEMOLITION IN ACCORDANCE WITH DEMOLITION PLAN, AND ALL STATE AND LOCAL ORDINANCES.
3. STRIP EXISTING TOPSOIL IN BUILDING FOOTPRINT AND PARKING AREAS. PLACE SILT FENCE AROUND BASE OF STOCKPILED TOPSOIL AND EXCAVATE FOR BUILDING FOOTPRINT.
4. POUR BUILDING FOOTINGS AND FOUNDATION.
5. BEGIN ROUGH GRADING AND UTILITY INSTALLATION.
6. DURING GRADING ACTIVITIES, EXISTING GRASS AND VEGETATION SHALL REMAIN IN PLACE AS LONG AS POSSIBLE TO AVOID SEDIMENT TRANSPORT.
7. ALL DISTURBED AREAS THAT ARE NOT ACTIVELY WORKED FOR 10 OR MORE DAYS SHALL BE TEMPORARILY STABILIZED. PERMANENT STABILIZATION SHALL BE INSTALLED WITHIN 7 DAYS OF ACHIEVING FINISHED GRADE.
8. FINALIZE SITE GRADING, SPREAD TOPSOIL AND SEED GENERAL LAWN AREAS DISTURBED BY CONSTRUCTION.
9. ONCE CONSTRUCTION IS COMPLETE, GRASS IS ESTABLISHED, AND SITE IS STABILIZED; REMOVE TEMPORARY EROSION CONTROL DEVICES AND SUBMIT NOTICE OF TERMINATION TO DNR.

EROSION CONTROL LEGEND:

EXISTING CONTOUR	110	
PROPOSED CONTOUR	110	
PROPOSED SILT FENCE		2/C103
INLET PROTECTION		1/C103
EROSION CONTROL BLANKET		3/C103
SEDIMENT TRACKING PAD		4/C103



INSTALLATION:

1. REMOVE INLET GRATE
2. PLACE FABRIC OVER THE TOP OF THE CASTING

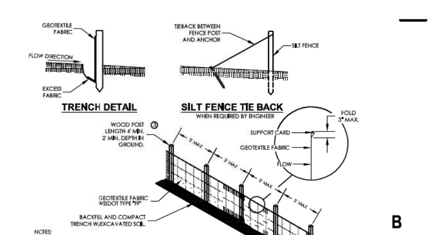
MAINTENANCE:

CLEAN AS NEEDED TO MAINTAIN FLOW. DO NOT CUT OR RIP FABRIC TO INCREASE FLOWS. USE OF FABRIC WILL CREATE SHORT TERM PONDING OF WATER. DO NOT USE FABRIC INLET PROTECTION IF ADJACENT BUILDINGS OR PROPERTIES MAY BE DAMAGED BY PONDING WATER. ELEVATIONS ON SITE SHALL BE SUCH THAT ANY PONDED WATER WILL HAVE AN EMERGENCY OVERFLOW POINT AWAY FROM AREAS THAT MAY BE DAMAGED BY FLOODING.

GENERAL NOTES:

USE ONLY THE FOLLOWING GEOTEXTILE FABRICS THAT ARE APPROVED BY THE WIDOT FOR USE AS INLET PROTECTION: a) LINQ INDUSTRIAL FABRICS – GTF 403 b) TC MIRAFI FILTERWEAVE 401. FOR INLET PROTECTION, TYPE C, WITH A CURB BOX, AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES.

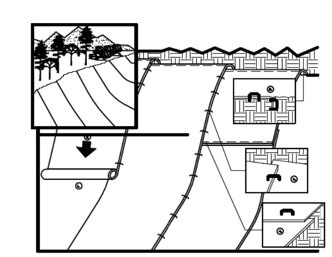
INLET PROTECTION (1/C103)



NOTES:

1. HORIZONTAL BRACE WITH 2"x4" WOODEN FRAME OR EQUIVALENT AT TOP OF POST AS DIRECTED BY THE ENGINEER.
2. TRENCH SHALL BE A MINIMUM OF 4" WIDE BY 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL. NEXT, COMPACT THE TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM OF 1-1/8" x 1-1/8" IN SIZE AND BE MADE FROM OAK OR HICKORY.
4. ATTACH THE FABRIC TO THE POST WITH WIRE STAPLES OR WOODEN LATH AND NAILS.
5. WOOD POSTS SHALL MAINTAIN A 3' MAXIMUM SPACING WHEN USING STANDARD GEOTEXTILE FABRIC. WHEN WOVEN GEOTEXTILE FABRIC IS USED, THE WOOD POSTS MAY BE SPACED UP TO 8' APART.

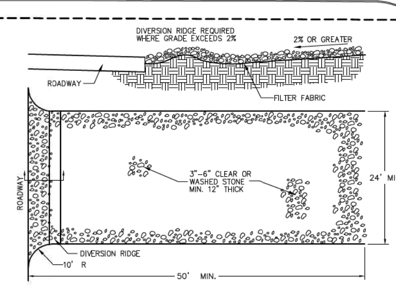
SILT FENCE (2/C103)



GENERAL NOTES:

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAPPED AREA APPROXIMATELY 12" APART.
5. EROSION CONTROL BLANKET SHALL BE LISTED ON THE CURRENT WISCONSIN DEPARTMENT OF TRANSPORTATION PRODUCT ACCEPTABILITY LIST (PAL) AS A CLASS I, URBAN, TYPE "A" EROSION MAT.

EROSION CONTROL BLANKET (3/C103)



NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING. REPAIR AND/OR CLEANOUT ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. IF TRACKING PAD IS FILLED WITH SEDIMENT REMOVE AND REPLACE CLEAR/WASHED STONE.

SEDIMENT TRACKING PAD (4/C104)

UNDERGROUND UTILITIES

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ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

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LEGEND

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- COMPUTED CORNER
- RECORDED AS

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milwaukee 333 East Chicago Street Milwaukee, Wisconsin 53202 tel 414 271 5350 fax 414 271 7794
madison 222 West Washington Ave, Suite 650 Madison, Wisconsin 53703 tel 608 442 5350 fax 608 442 6680

PROJECT INFORMATION

MENASHA HIGH SCHOOL

420 Seventh Street
Menasha, WI 54952

ISSUANCE AND REVISIONS

DESIGN PROGRESS

REVISIONS

#	DATE	DESCRIPTION

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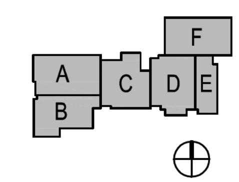

SHEET INFORMATION

PROJECT MANAGER	MLB
PROJECT NUMBER	310285
DATE	12-12-13

0' 40' 80' 120'
Scale 1"=40'

Point of Beginning
Land Surveying
Engineering
Landscape Architecture
5709 Windy Drive, Suite D
Stevens Point, WI 54482
715.344.9999(Ph)
715.344.9922(Fx)

EROSION CONTROL PLAN

C103

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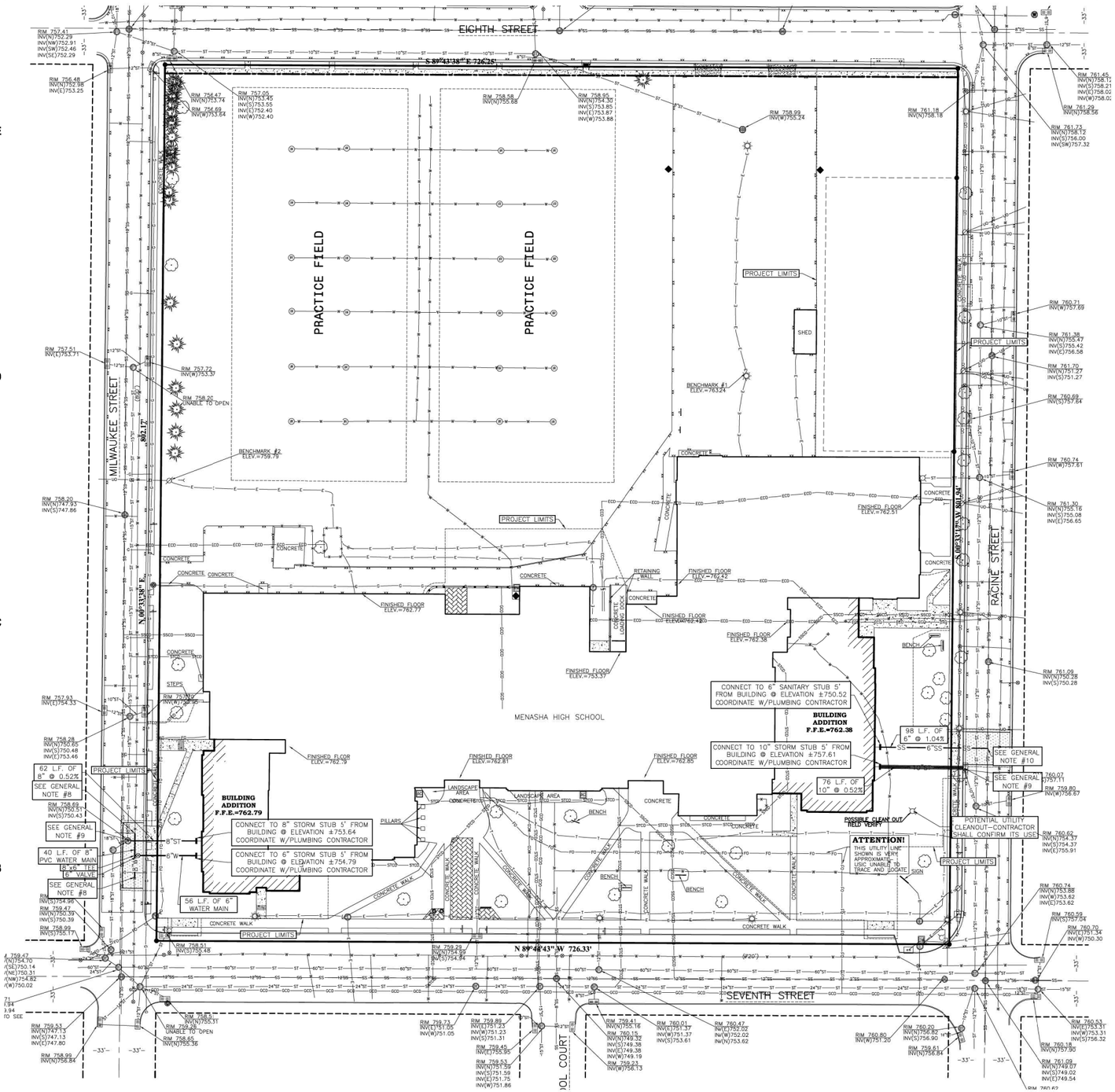

GENERAL NOTES:

1. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
2. REFER TO THE PROPOSED BUILDING MECHANICAL/PLUMBING PLANS FOR EXACT CONNECTION LOCATIONS OF WATER AND SANITARY SEWER CONNECTIONS.
3. COORDINATE ALL UTILITY WORK WITH GAS, ELECTRICAL, (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE) CABLE AND TELEPHONE CONSTRUCTION AND RESPECTIVE TRADES RESPONSIBLE FOR INSTALLATION OF SAID UTILITIES.
4. COORDINATE ALL WORK WITHIN THE RIGHT OF WAY WITH THE CITY OF MENASHA.
5. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES ADMINISTRATIVE CODE SECTION 382.21.
6. THE PROPOSED WATER MAIN SHALL HAVE A MINIMUM COVER OF 7'-0" TO THE TOP OF PIPE FROM THE PROPOSED FINISHED GRADES, SEE SHEET C102 FOR PROPOSED GRADES. AT CROSSINGS, THE PROPOSED WATER MAIN SHALL BE SEPARATED FROM STORM SEWER AND SANITARY SEWER AS SHOWN IN DETAIL 3/C104.
7. BEFORE INSTALLING UTILITIES FIELD VERIFY LOCATION, SIZE, AND ELEVATION OF ALL WATER, SANITARY SEWER, AND STORM SEWER CONNECTIONS TO PUBLIC SERVICES.
8. CONTRACTOR SHALL COORDINATE WATER SERVICE CONNECTION TO EXISTING WATERMAIN WITH THE CITY OF MENASHA.
9. UTILITY CONTRACTOR SHALL COORDINATE CONNECTION OF STORM SEWER PIPES WITH THE CITY OF MENASHA. UTILITY CONTRACTOR SHALL SAW CUT OPENING IN EXISTING STORM SEWER STRUCTURE AND GROUT AROUND PROPOSED STORM SEWER PIPES FOR WATERTIGHT CONNECTION. UTILITY CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING CATCHBASIN, CURB AND GUTTER, OR STREET AT NO ADDITIONAL COST TO OWNER.
10. CONTRACTOR SHALL CONNECT PROPOSED SANITARY SEWER SERVICE TO EXISTING 8" MAIN WITH 6" SADDLE. PROPOSED CONNECTION SHALL BE COORDINATED WITH THE CITY OF MENASHA.

UTILITY LEGEND:

PROPOSED WATER MAIN	X"W
PROPOSED SANITARY SEWER	X"SS
PROPOSED STORM SEWER	X"ST
WATER MAIN VALVE	⊗
POLYSTYRENE FOAM INSULATION	2 C104 / 1 C104

LEGEND

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- STORM SEWER
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- WATERMAIN
- FIBER OPTICS
- FENCE LINE
- EDGE OF BITUMINOUS
- CONTOUR LINE
- RECTANGULAR CATCH BASIN
- CIRCULAR CATCH BASIN
- SOIL BORING
- IRRIGATION HEAD
- CLEAN OUT
- ELECTRIC METER
- ELECTRIC MANHOLE
- ELECTRIC TRANSFORMER
- GAS METER
- GAS VALVE
- GAURD POST
- GUY WIRE
- HYDRANT
- LIGHTPOLE
- POWERPOLE
- SANITARY MANHOLE
- SIGN
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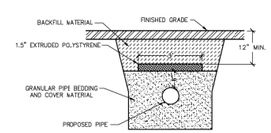
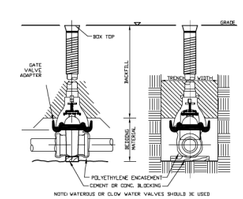
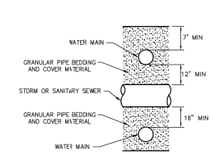
- TELEPHONE PEDESTAL
- TRAFFIC SIGNAL
- WATER MANHOLE
- WATER VALVE
- TREE
- PINE TREE
- COMPUTED CORNER
- () RECORDED AS



POLYSTYRENE FOAM INSULATION 1 / C 02



WATER VALVE 2 / C102



WATER MAIN PIPE CROSSING 3 / C102

UNDERGROUND UTILITIES

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BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
MARKER "x" ON LIGHT POLE BASE, LOCATED IN THE MAIN PARKING LOT NORTH OF THE HIGH SCHOOL AND BEING THE MOST SOUTHERN LIGHT POLE.
ELEVATION = 763.24

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SPIKE IN POWER POLE, LOCATED ON THE EAST SIDE OF MILWAUKEE STREET AND BEING APPROXIMATELY 400 FEET SOUTH OF EIGHTH STREET.
ELEVATION = 759.79

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BURY BOLT ON HYDRANT, LOCATED IN THE NORTHEAST CORNER OF MILWAUKEE STREET AND EIGHTH STREET.
ELEVATION = 759.12

DESCRIPTION

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eppstein uhen : architects

milwaukee 333 East Chicago Street
Milwaukee, Wisconsin 53202
tel 414 271 3350 fax 414 271 7794

madison 222 West Washington Ave, Suite 650
Madison, Wisconsin 53703
tel 608 442 3350 fax 608 442 6680

PROJECT INFORMATION

MENASHA HIGH SCHOOL

420 Seventh Street
Menasha, WI 54952

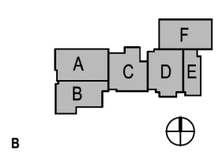
ISSUANCE AND REVISIONS

DESIGN PROGRESS

REVISIONS

#	DATE	DESCRIPTION

KEY PLAN



SHEET INFORMATION

PROJECT MANAGER	MLB
PROJECT NUMBER	310285
DATE	12-12-13

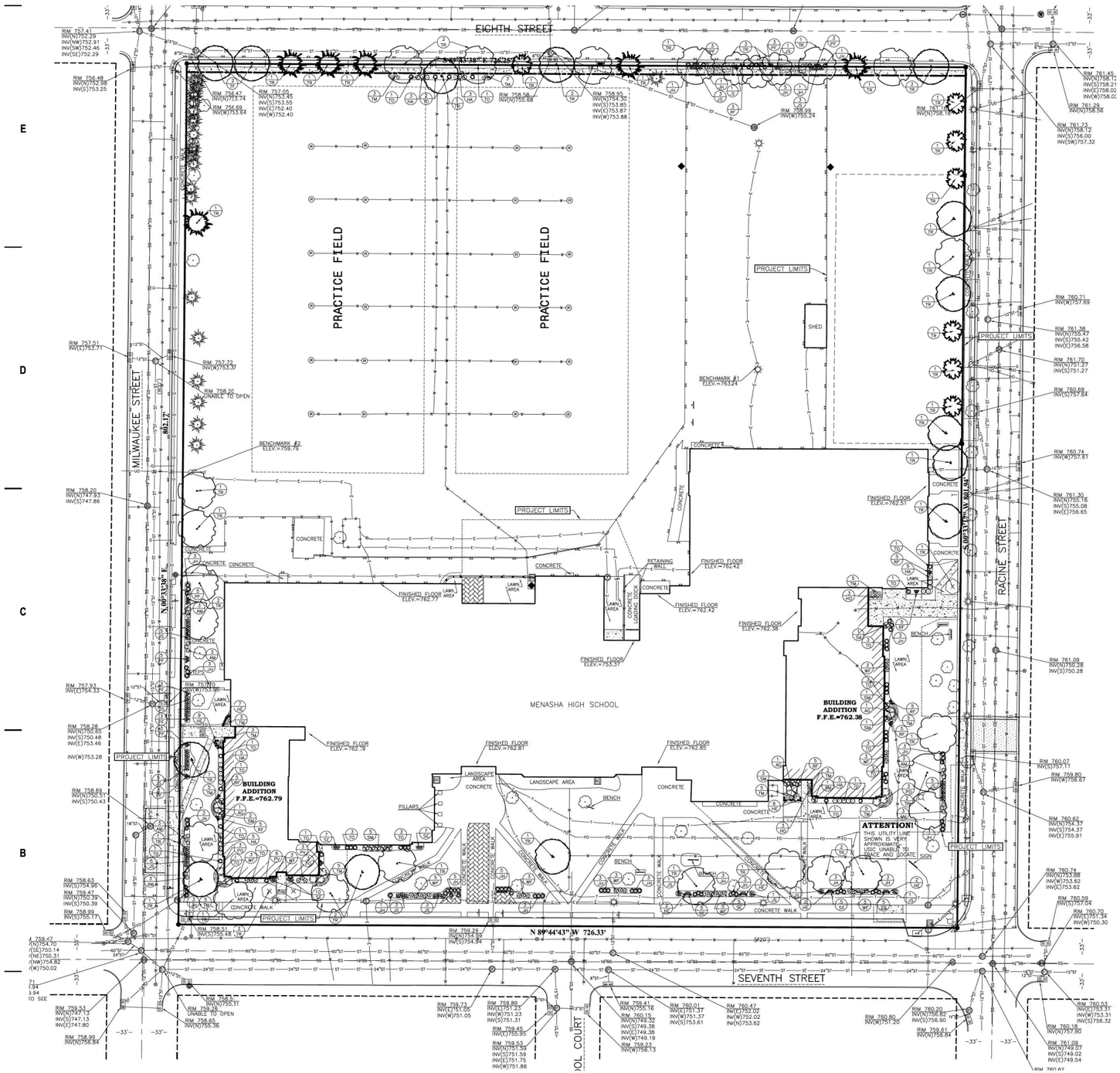
0' 40' 80' 120'
Scale 1"=40'

Point of Beginning
Land Surveying
Engineering
Landscape Architecture
5709 Windy Drive, Suite D
Stevens Point, WI 54482
715.344.9999(fx)
715.344.9922(ph)

UTILITY PLAN

C104

© Eppstein Uhen Architects, Inc.



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- WATER VALVE
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PLANTING SCHEDULE:

TREES SYMBOLS		INSTALLATION SIZE	QUANTITY
TR	SPECIES TO BE DETERMINED, VERIFY WITH OWNER.	1.5" CAL.	55

SHRUBS SYMBOLS	BOTANICAL NAME	COMMON NAME	INSTALLATION SIZE	SIZE AT MATURITY	QUANTITY
AG	ACER GINNALA VAR. 'FLAME'	FLAME AMUR MAPLE	36"	15'-20'T X W	3
AM	ARONIA MELANOCARPA 'AUTUMN MAGIC'	AUTUMN MAGIC CHOKEBERRY	24"	4'T X W	18
HA	HYDRANGEA ARBORESCENS 'INNINDIBELLE SPIRIT'	INVINCIBELLE SPIRIT HYDRANGEA	24"	4'T X W	26
JH	JUNIPERUS HORIZONTALIS 'PLUMOSA'	ANDORRA JUNIPER	18"W	18"T X 4'W	62
JS	JUNIPERUS SQUAMATA 'BLUE STAR'	BLUE STAR JUNIPER	18"W	24"T X 4'W	46
PF	POTENTILLA FRUTICOSA 'PINK BEAUTY'	PINK BEAUTY POTENTILLA	18"W	2'T X 2'W	34
PO	PHYSOCARPUS OPULIFOLIUS 'DIABOLO'	DIABOLO NINEBARK	36"	8'T X W	9
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PV	PANICUM VIRGATUM 'RO'STRAHLBUSCH'	ROTSTRAHLBUSCH SWITCH GRASS	24"	3'-4'T	9

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HO	HOSTA 'CLIMAX'	CLIMAX HOSTA	3" POT	24"TX36"W	6
RF	RUDBECKIA FULGIDA 'GOLDSTURM'	BLACK-EYED SUSAN	3" POT	24W"X24"T	35
SE	SEDUM 'AUTUMN JOY'	AUTUMN JOY SEDUM	3" POT	24"WX24"T	44

LANDSCAPE REQUIREMENTS:

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50% OF BUILDING PERIMETER SHALL BE LANDSCAPED
USING NO LESS THAN 25% EVERGREEN, BUT NOT MORE THAN 50% EVERGREENS.

BUILDING PERIMETER = 1,725 L.F./2 = 863 L.F. OF BUILDING FACADE REQUIRED TO BE LANDSCAPED

PROPOSED: 865 L.F. OF BUILDING FACADE IS LANDSCAPED WITH PLANTINGS OTHER THAN TURF. 35% S EVERGREEN PLANTINGS.

PARKING LOT LANDSCAPING:
LANDSCAPE BUFFER OF 6' REQUIRED ALONG PARKING LOT ADJACENT TO A STREET.

*REQUIREMENT: 1 CANOPY TREE FOR EVERY 30 L.F.= 133 L.F. OF PERIMETER PARKING/30 = 5 TREES REQUIRED

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PROPOSED: 5 CANOPY TREES & 29 SHRUBS ALONG THE PERIMETER OF THE PARKING LOT (58% ARE EVERGREEN).

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eppstein uhen : architects
milwaukee 333 East Chicago Street Milwaukee, Wisconsin 53202 tel 414 271 5350 fax 414 271 7794
madison 222 West Washington Ave, Suite 650 Madison, Wisconsin 53703 tel 608 442 5350 fax 608 442 6680

PROJECT INFORMATION

MENASHA HIGH SCHOOL

420 Seventh Street
Menasha, WI 54952

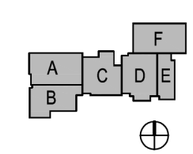
ISSUANCE AND REVISIONS

DESIGN PROGRESS

REVISIONS

#	DATE	DESCRIPTION

KEY PLAN



SHEET INFORMATION

PROJECT MANAGER	MLB
PROJECT NUMBER	310285
DATE	12-12-13

0' 40' 80' 120'
Scale 1"=40'

Point of Beginning
Land Surveying
Engineering
Landscape Architecture
5709 Windy Drive, Suite D
Stevens Point, WI 54482
715.344.9990(T)
715.344.9992(F)

Landscape Plan

C105

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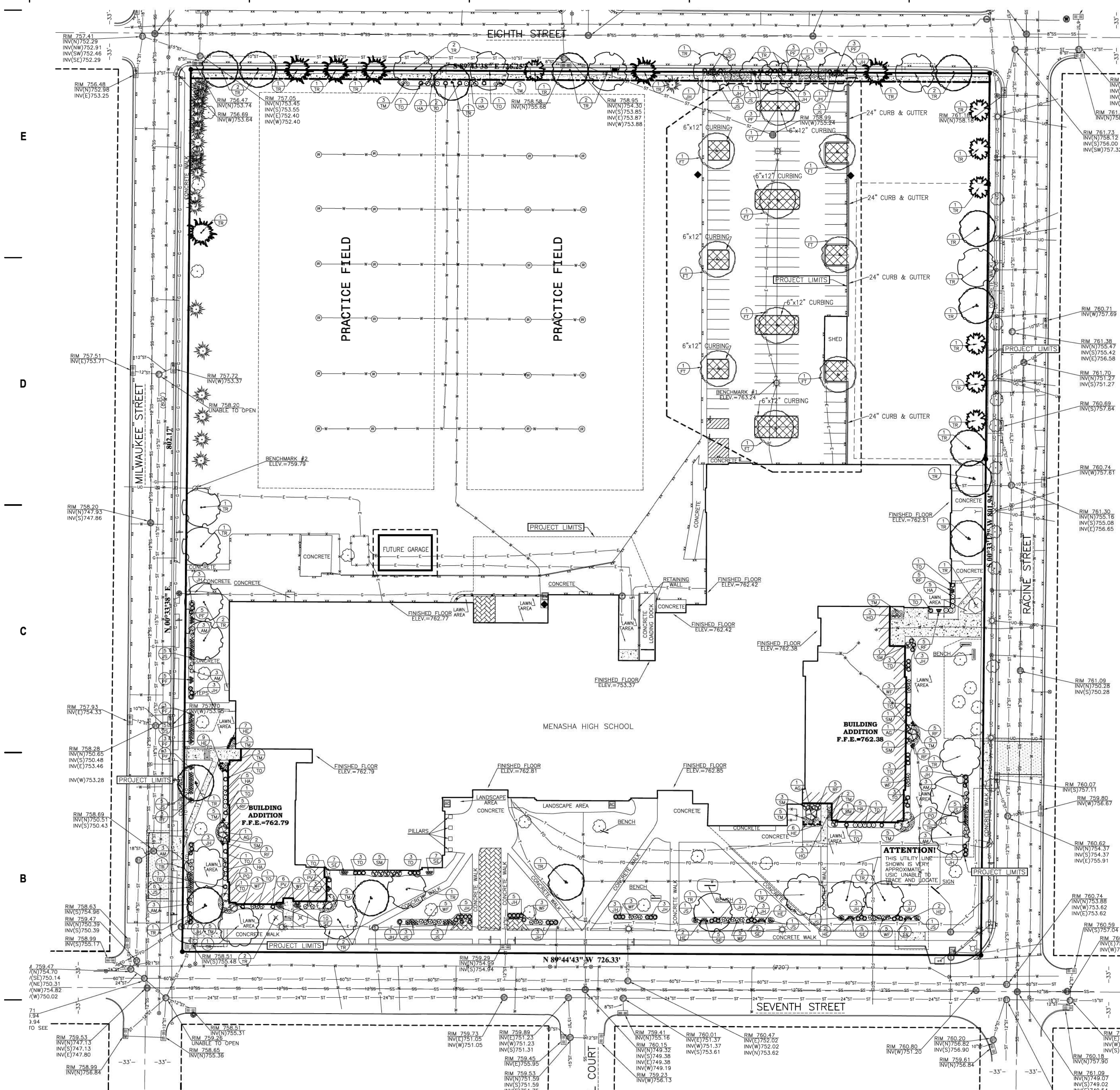

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LANDSCAPING FOR FUTURE PARKING IMPROVEMENT PLAN:

FUTURE LANDSCAPING FOR PARKING LOT ISLANDS: TO BE PLANTED WITH REQUIRED NUMBER OF SHRUBS & CANOPY TREES

REQUIREMENT: 1 CANOPY TREE PER ISLAND PLUS SHRUBS &/OR GROUND COVER
TOTAL PARKING AREA = 43,260 S.F. OF PARKING * 10% = 4,326 S.F. OF INTERIOR LANDSCAPE ISLAND REQUIRED

PROPOSED = 4,345 S.F. OF INTERIOR LANDSCAPED ISLAND PROPOSED

FUTURE PARKING IMPROVEMENT LEGEND:

- 1/FT = (10) FUTURE CANOPY TREES, 1.5" CALIPER
- = FUTURE PARKING LOT ISLAND TO BE LANDSCAPED WITH SHRUBS &/OR GROUND COVER
- = FUTURE PARKING IMPROVEMENT LIMITS

Scale 1"=40'

0' 40' 80' 120'

Point of Beginning
Land Surveying
Engineering
Landscape Architecture
5709 Windy Drive, Suite D
Stevens Point, WI 54482
715.344.9999(Ph)
715.344.9922(Fx)

eppstein uhen : architects
milwaukee 333 East Chicago Street Milwaukee, Wisconsin 53202 tel 414 271 5350 fax 414 271 7794
madison 222 West Washington Ave, Suite 650 Madison, Wisconsin 53703 tel 608 442 5350 fax 608 442 6680

PROJECT INFORMATION

MENASHA HIGH SCHOOL

420 Seventh Street
Menasha, WI 54952

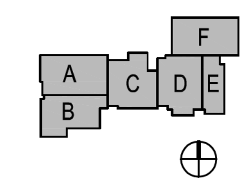
ISSUANCE AND REVISIONS

DESIGN PROGRESS

REVISIONS

#	DATE	DESCRIPTION

KEY PLAN



SHEET INFORMATION

PROJECT MANAGER	MLB
PROJECT NUMBER	310285
DATE	12-12-13

Landscape Plan

C105A

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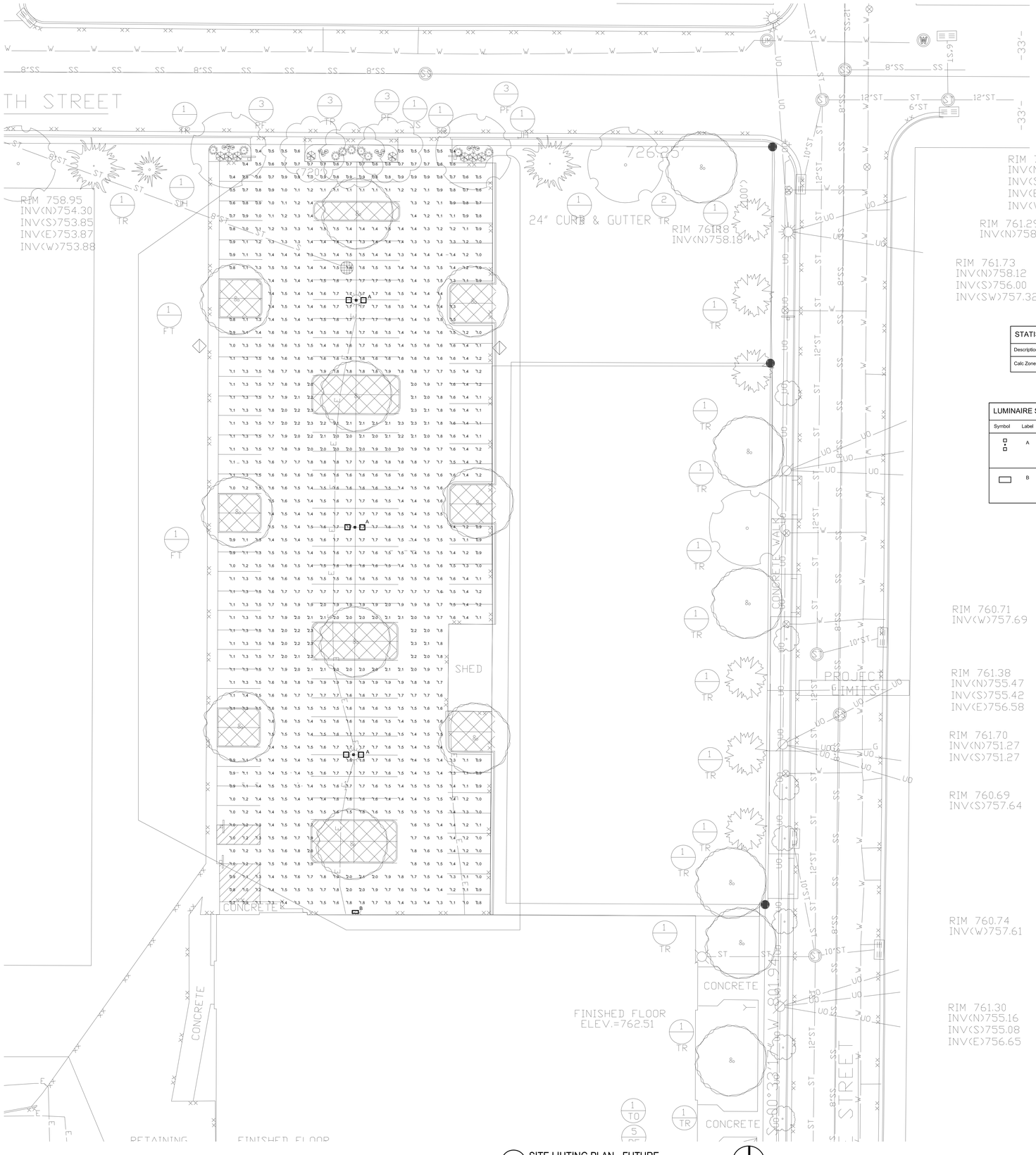

E1 SITE LIHTING PLAN - FUTURE
1" = 20'-0"

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	+	1.5 fc	2.3 fc	0.4 fc	5.8:1	3.8:1

LUMINAIRE SCHEDULE									
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
	A	3	CSX1 LED 60C 700 40K T5M MVOLT	25FT MOUNTING HEIGHT WITH CSX1 LED WITH 2 LIGHT ENGINES, 700mA DRIVERS, 4000K COLOR TEMP., AND T5M OPTICS	LED	CSX1_LED_60C_700_40K_T5M_MVOLT.ies	Absolute	0.81	268
	B	1	CSXW LED 30C 700 40K T2M MVOLT	WALL LIGHT: CSXW LED WITH 1 LIGHT ENGINE (30 LEDs), 700mA DRIVER, 4000K LED, TYPE 2 OPTICS	LED	CSXW_LED_30C_700_40K_T2M_MVOLT.ies	Absolute	0.81	69

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Powrtek Engineering, Inc.
20711 WATERTOWN RD., SUITE C
WAUKESHA, WI 53186
VOICE: 262-827-9575
FAX: 262-827-9615

PROJECT INFORMATION

MENASHA HIGH SCHOOL

420 Seventh Street
Menasha, WI 54952

ISSUANCE AND REVISIONS

REVISIONS

#	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

PROGRESS DOCUMENTS

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and should not be used for final bidding or construction-related purposes.

PROJECT MANAGER	GWS
PROJECT NUMBER	310285
DATE	11-22-2013

FUTURE SITE LIGHTING LAYOUT

ES001

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CSX1 LED
LED Area Luminaire

Catalog Number

Notes

Type **A**

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The Contour® Series luminaires offer traditional square dayforms with softened edges for a versatile look that complements many applications.

The CSX1 combines the latest in LED technology with the familiar aesthetic of the Contour® Series for stylish, high-performance illumination that lasts. It is ideal for replacing traditional metal halide in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Specifications

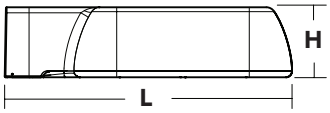
EPA: 0.7 ft² (0.07 m²)

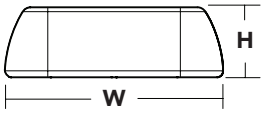
Length: 23-1/2" (59.7 cm)

Width: 18-1/2" (46.9cm)

Height: 5-7/8" (14.9 cm)

Weight (max): 37 lbs (16.8 kg)





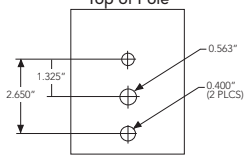
Ordering Information

EXAMPLE: CSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD

CSX1 LED	60C	700	40K	T5M	M	SPA		DDBXD
Series	**LEDs**	**Drive current**	**Color temperature**	**Distribution**	**Voltage**	**Mounting**	**Options**	**Finish** *(required)*
CSX1 LED	60C 60 LEDs	700 700 mA 1000 1000 mA (1 A)	40K 4000K 50K 5000K	T2M Type II T3M Type III T4M Type IV T5M Type V TFTM Forward throw	MVOLT [1] 120 [1] 208 [1] 240 [1] 277 [1] 347 480	**Shipped included** SPA Square pole mounting RPA Round pole mounting WBA Wall bracket **Shipped Separately** [2] SPUMBA Square pole universal mounting adaptor RPUMBA Round pole universal mounting adaptor	**Shipped installed** PER NEMA twist-lock receptacle only (no controls) DCR Dimmable and controllable via ROAM® (no controls) [3] DMG 0-10V dimming driver (no controls) [4] HS House-side shield [2] SF Single fuse (120, 277, 347V) [5] DF Double fuse (208, 240, 480V) [5] DS Dual switching [6,7] WTB Utility terminal block [8] UT Utility terminal block and closing screws [8] 2ELED Emergency LED secondary source (2 modules) battery pack (-20°C min. operating temperature) BL30 Bi-level switched dimming, 30% [7,9] BL50 Bi-level switched dimming, 50% [7,9] **Shipped separately** [2] VG Vandal guard BS Bird-deterrant spikes	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Drilling

Template #8



CSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles.

DM19AS	Single unit	**DM29AS**	2 at 90° *
DM28AS	2 at 180°	**DM39AS**	3 at 90° *
DM49AS	4 at 90° *	**DM32AS**	3 at 120° **

Example: SSA 20 4C **DM19AS** DDBXD

Visit Lithonia Lighting's POLES CENTRAL to see our wide selection of poles, accessories and educational tools.

**Round pole top must be 3.25" O.D. minimum.*
***For round pole mounting (RPA) only.*

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [10]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [10]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [10]
SC U	Shorting cap [10]
KMA8 DDBXD U	Mast arm adapter (specify finish)
SPUMBA DDBXD U	Square pole universal mounting bracket adaptor (specify finish)
RPUMBA DDBXD U*	Round pole universal mounting bracket adaptor (specify finish)
CSX1HS U	House-side shield (includes 2 shields)
CSX1VG U	Vandal guard accessory
CSX1BS U	Bird-deterrent spikes accessory

For more control options, visit DTL and ROAM online.

Tenon Mounting Slipfitter **

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	N/A	N/A	N/A	N/A
2-7/8"	AST25-190	AST25-280	N/A	AST25-320	N/A	N/A
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

NOTES

1. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options).
2. Also available as a separate accessory; see Accessories information at left.
3. Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Not available with 347 or 480V. Add'l hardware and services required for ROAM® deployment; call 1-800-442-6745.
4. Not available with 347 or 480V.
5. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
6. Provides 50% dimming capability via two independent drivers, each operating half the luminaire. Available with MVOLT and two light engines only. N/A with PER, DCR, DMG, WTB or 2ELED.
7. Requires an additional switched line.
8. Not available with BL30 or BL50.
9. Dimming driver standard. MVOLT only. Not available with WTB, UT or DCR.
10. Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item. For 1000mA 347V or 480V PER, must order DLL127F 1.5 JU Photocell - SSL twist-lock (120-277V) as the receptacle is wired after the stepdown transformer.

LITHONIA LIGHTING

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	Performance Package	System Watts	Dist. Type	40K (4000K, 70 CRI)					50K (5000K, 67 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60C (60 LEDs)	700 mA	60C 700 --K	134W	T2M	13,662	3	0	3	102	14,651	3	0	3	109
				T3M	14,461	3	0	3	108	15,508	3	0	3	116
				T4M	14,441	2	0	3	108	15,486	3	0	3	116
				T5M	14,494	4	0	2	108	15,543	4	0	2	116
				TFTM	14,643	2	0	3	109	15,703	2	0	3	117
	1000 mA	60C 1000 --K	209W	T2M	17,652	3	0	3	84	19,028	3	0	3	91
				T3M	18,684	3	0	3	89	20,141	3	0	4	96
				T4M	18,658	3	0	4	89	20,113	3	0	4	96
				T5M	18,726	5	0	3	90	20,187	5	0	3	97
				TFTM	18,919	3	0	3	91	20,395	3	0	4	98

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	**77°F**	**1.00**
30°C	86°F	1.00
40°C	104°F	0.99

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **CSX1 LED 60C** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.94	0.90	0.83

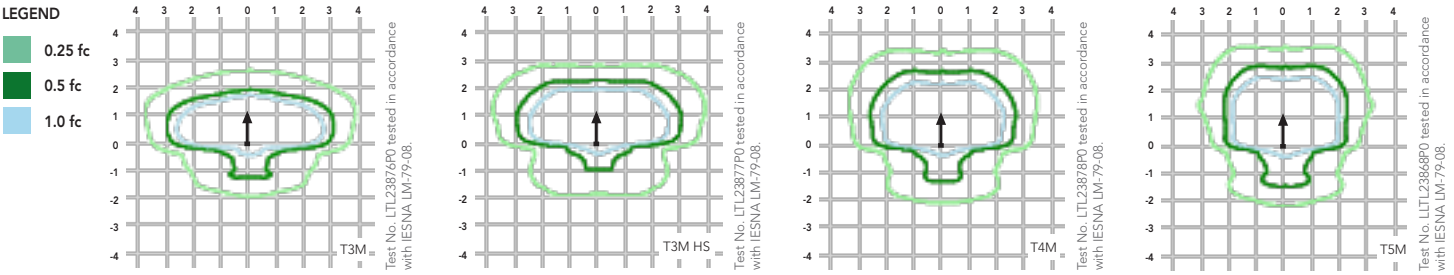
Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
60C	700	134W	1.321	0.756	0.659	0.580	0.462	0.337
	1000	208W	2.068	1.198	1.056	0.943	0.764	0.605

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's CSX1 homepage.

Isofootcandle plots for the CSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



FEATURES & SPECIFICATIONS

INTENDED USE
The Contour Series LED area luminaire is ideal for streets, walkways, parking lots, and surrounding areas that call for high-performance LED lighting in a transitional dayform.

CONSTRUCTION
Single-piece die cast housing has a unique flow-through design that allows for optimized thermal management through convective cooling. A metallic screen covers the top of the housing, preventing debris build-up while allowing natural cleaning of the heat sinks. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver and electronics are thermally isolated from the light engine(s), ensuring long life. Housing is completely sealed against moisture and environmental contaminants.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

OPTICS
Precision-molded acrylic lenses provide optimal luminaire spacing and improved uniformity. Lenses are indexed to the circuit board to ensure consistent optical alignment and delivering repeatable photometric performance. Light engines are available in standard 4000K (70 CRI) or optional 5000K (67 CRI) configurations. The CSX1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engines consist of 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L70). Class 1 electronic driver designed to have a power factor >90%, THD <20%, with an expected life of 100,000 hours with <1% failure rate. Easily-serviceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION
Integral arm provides easy installation to a pole and assists in alignment and leveling. Secure connection withstands up to 3.0 G vibration load rating per ANSI C136.31. The CSX1 utilizes the AERIS™ series pole drilling pattern for SPA and RPA options; wall mounting bracket also available. Available mast arm adapter accessory accepts horizontal tenons up to 2-3/8" O.D.

LISTINGS
CSA Certified to U.S. and Canadian standards. Light engines and luminaire are IP66 rated.
U.S. Patent No. D632830. U.S. Patent No. D653,382 S.

WARRANTY
Five year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Specifications subject to change without notice.

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CSXW LED
LED Wall Luminaire

Catalog Number

Notes

Type B

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The Contour® Series luminaires offer traditional square dayforms with softened edges for a versatile look that complements many applications.

The CSXW LED combines the latest in LED technology with the familiar aesthetic of the Contour® Series for stylish, high-performance illumination that lasts. It is ideal for replacing 100-400W metal halide in wall-mounted applications with typical energy savings of 80% and expected service life of over 100,000 hours.

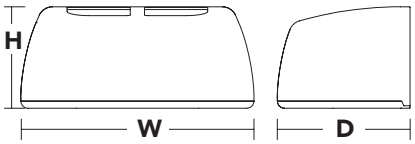
Specifications

Height: 7-1/8" *(29.2 cm)*

Width: 16-3/8" *(41.6cm)*

Depth: 9-5/16" *(23.6 cm)*

Weight (max): 30 lbs *(13.6 kg)*

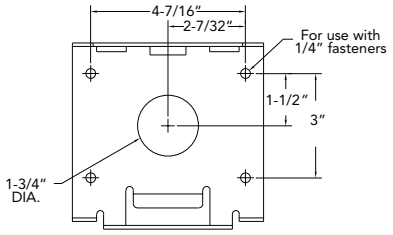


Ordering Information

EXAMPLE: CSXW LED 30C 700 40K T3M MVOLT DDBXD

CSXW LED	30C	700	40K	T2M	M	BBW	PE	DDBXD
Series	**LEDs**	**Drive current**	**Color temperature[1]**	**Distribution**	**Voltage**	**Mounting**	**Options**	**Finish** *(required)*
CSXW LED	30C 30 LEDs	700 700 mA 1000 1000 mA	40K 4000K 50K 5000K	T2M Type II, medium T3M Type III, medium T4M Type IV, medium TFTM Type forward throw, medium	MVOLT [2] 120 [2] 208 [2] 240 [2] 277 [2] 347 [3] 480 [3]	**Shipped included** (blank) Surface mount **Shipped separately** BBW Surface-mounted back box (for conduit entry) [4]	**Shipped installed** PE Photoelectric cell, button type [5,6] DMG 0-10V dimming driver (no controls) SF Single fuse (120, 277, 347V) [7] DF Double fuse (208, 240, 480V) [7] **Shipped separately** [4] VG Vandal guard WG Wire guard	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Mounting Detail



Accessories

Ordered and shipped separately.

CSXWBBW DDBXD U	Back box accessory (specify finish)
CSXWWG U	Wire guard accessory
CSXWVG U	Vandal guard accessory

NOTES

1. Configured with 4000K (/40K) provides the shortest lead times. Consult factory for 5000K (/50K) lead times.
2. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options) or photocontrol (PE option).
3. Available with 700 mA options only (30C 700).
4. Also available as a separate accessory; see Accessories information at left.
5. Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option.
6. Must be ordered with fixture; cannot be field installed.
7. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.

LITHONIA LIGHTING

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	Performance Package	System Watts	Dist. Type	40K (4000K, 70 CRI)					50K (5000K, 67 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	700 mA	30C 700 --K	69W	T2M	6,695	2	0	2	97	7,183	2	0	2	104
				T3M	7,068	2	0	2	102	7,582	2	0	2	110
				T4M	7,017	2	0	2	102	7,528	2	0	2	109
				TFTM	7,158	2	0	2	104	7,679	2	0	2	111
	1000 mA	30C 1000 --K	104W	T2M	8,868	2	0	2	85	9,560	2	0	2	92
				T3M	9,361	2	0	2	90	10,091	2	0	2	97
				T4M	9,293	2	0	2	89	10,018	2	0	2	96
				TFTM	9,481	2	0	2	91	10,220	2	0	2	98

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	**77°F**	**1.00**
30°C	86°F	1.00
40°C	104°F	0.99

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **CSXW LED** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.94	0.91	0.85

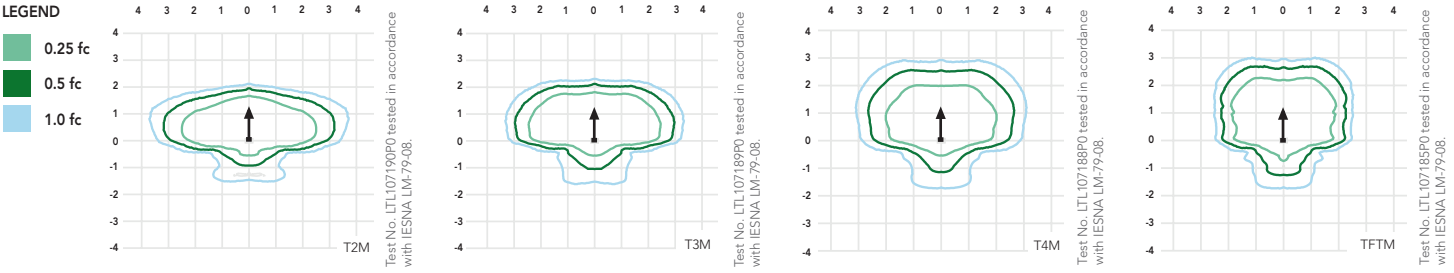
Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30C	700	70W	0.695	0.412	0.367	0.331	0.247	0.186
	1000	104W	1.034	0.599	0.528	0.472	0.382	0.302

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's CSXW homepage.

Isofootcandle plots for the CSXW LED 30C 1000 40K. Distances are in units of mounting height (20').



FEATURES & SPECIFICATIONS

INTENDED USE
The Contour Series Wall LED luminaire is ideal for commercial building mounted applications from over-the-door to 20 ft mounting heights.

CONSTRUCTION
Rugged, die-cast, single-piece aluminum housing. Unique flow-through design for optimized thermal management. Modularity allows for ease of maintenance and potential for future system upgrades. Metallic screen covers the top of the housing, preventing debris build-up while allowing for air flow. Housing is completely sealed against moisture and environmental contaminants.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

OPTICS
Precision-molded acrylic lenses provide optimal luminaire spacing and improved uniformity. Lenses are indexed to the circuit board to ensure consistent optical alignment and delivering repeatable photometric performance. Light engines are available in standard 4000K (70 CRI) or optional 5000K (67 CRI) configurations. The CSXW has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine consists of 30 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L70). Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Easily-serviceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION
Universal mounting mechanism with integral mounting support allows fixture to hinge down. Bubble level provides correct alignment with every installation.

LISTINGS
CSA Certified to U.S. and Canadian standards. Light engine is IP66 rated. Luminaire is IP65 rated.

WARRANTY
Five year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Specifications subject to change without notice.

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