

City of Menasha
SPECIAL ZONING APPROVAL

Owner Menasha School District Case or Plan No. _____

Address 420 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 Bruce G. [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

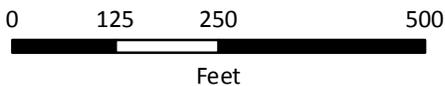
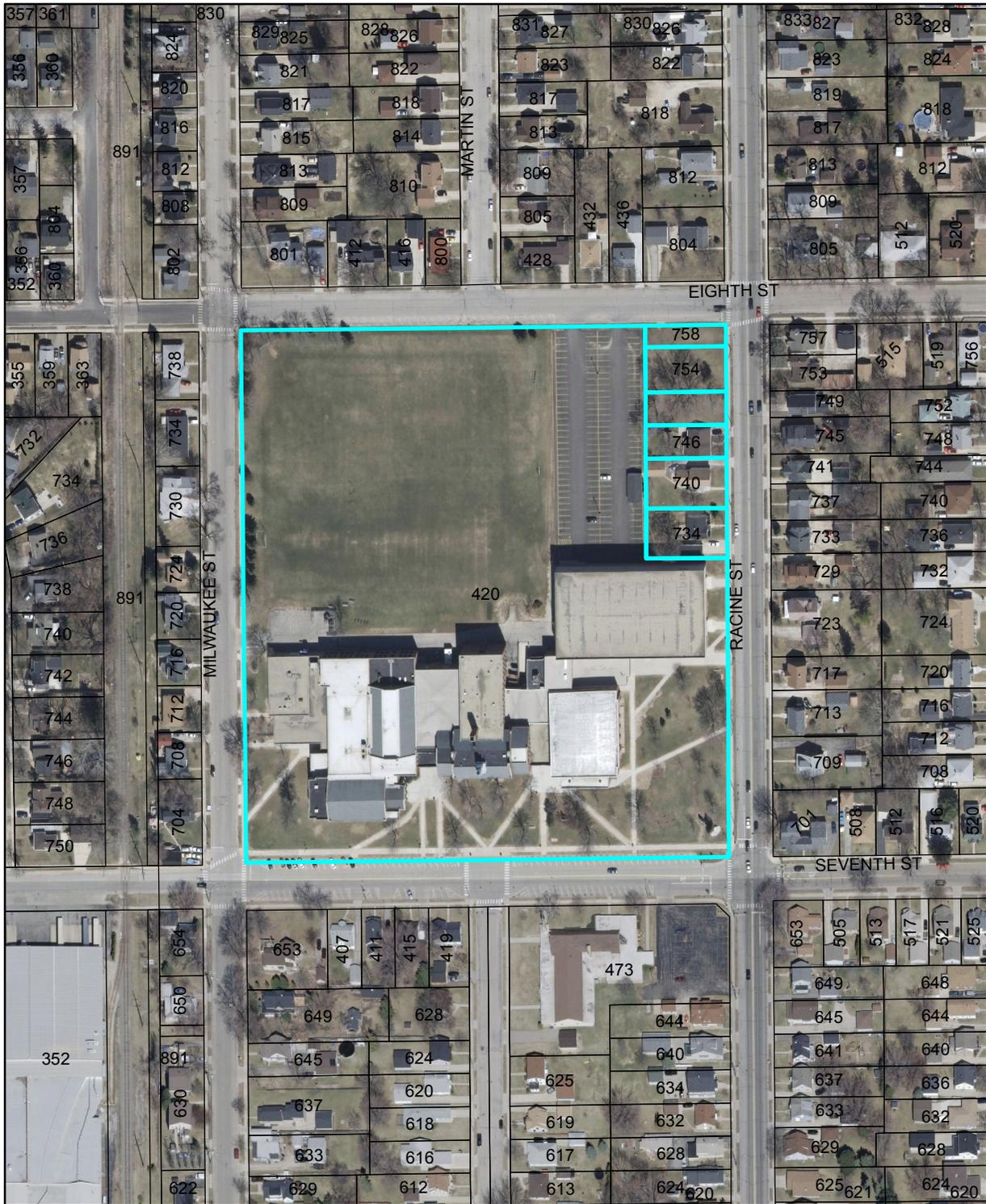
C: Plan Commission
City Clerk Galeazzi

**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.

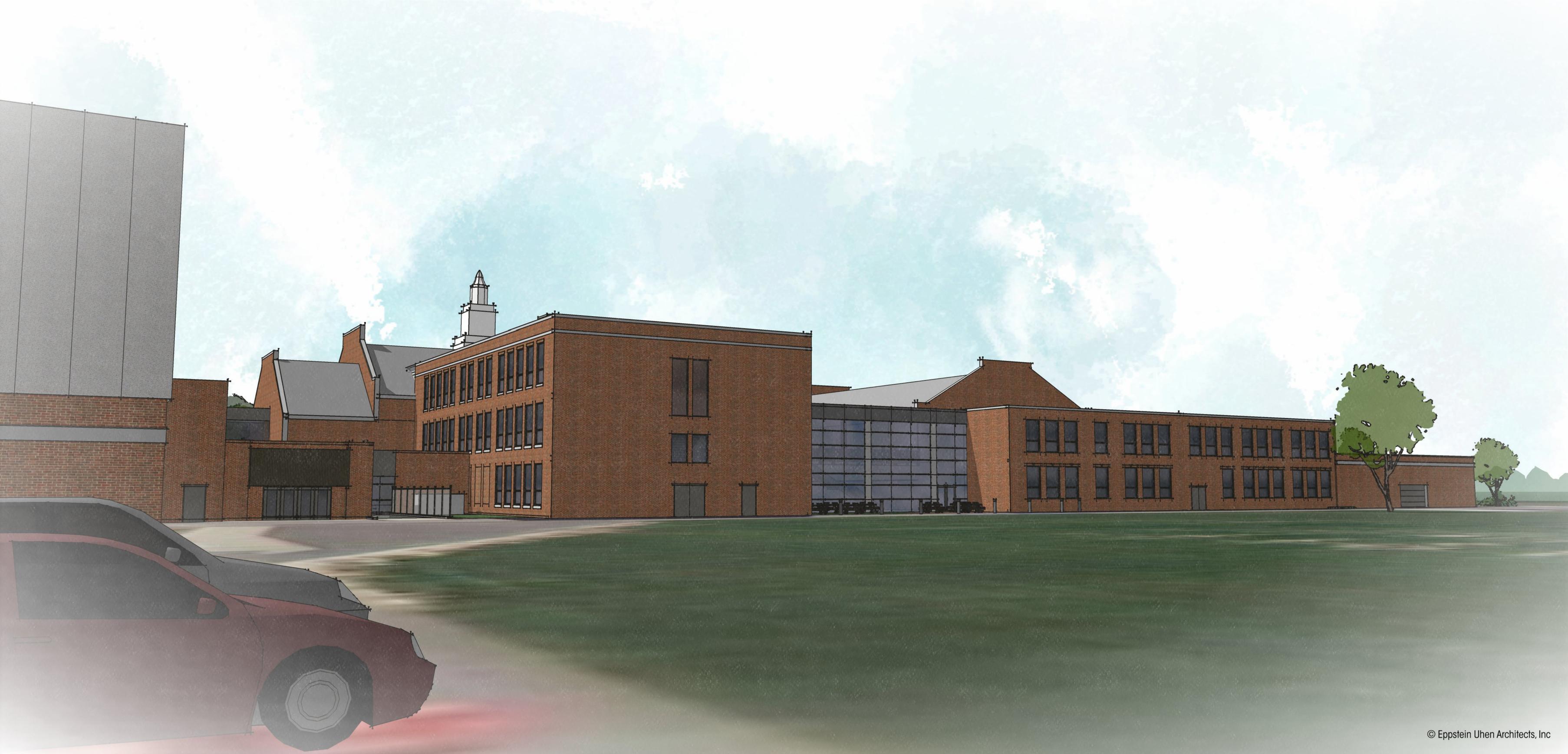
Deborah A. Galeazzi, WCMC
City Clerk

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









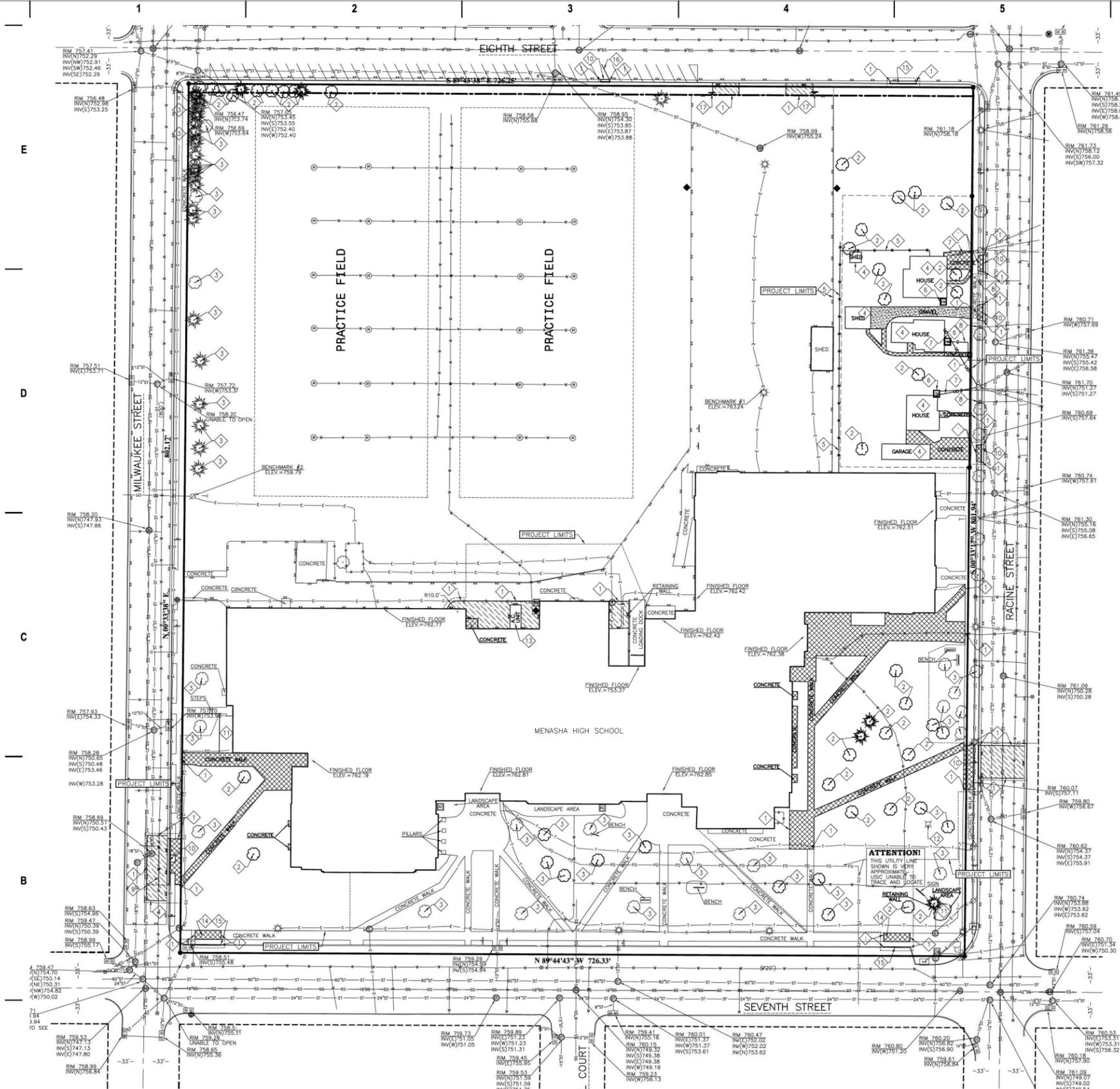




eu:a

eppstein uhen : architects

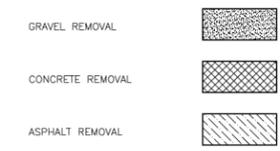
Interior view of new science addition looking back to the original gym - image provided by Eppstein Uhen Architects.



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:



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 drawings.

- 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
- GUARD 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

eua

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 Milwaukee, Wisconsin 53202
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madison 222 West Washington Ave, Suite 600
 Madison, Wisconsin 53703
 Tel 608 442 5300 Fax 608 442 6800

PROJECT INFORMATION

MENASHA HIGH SCHOOL

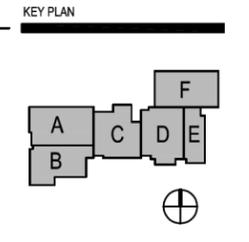
420 Seventh Street
 Menasha, WI 54952

ISSUANCE AND REVISIONS

DESIGN PROGRESS

REVISIONS

#	DATE	DESCRIPTION



SHEET INFORMATION

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

DEMOLITION PLAN

C100

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 DIGGER'S 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 DIGGER'S HOTLINE. (TICKS) #20132706899, #20132706912, #20132706922, #20132706933 AND #20132706950

BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

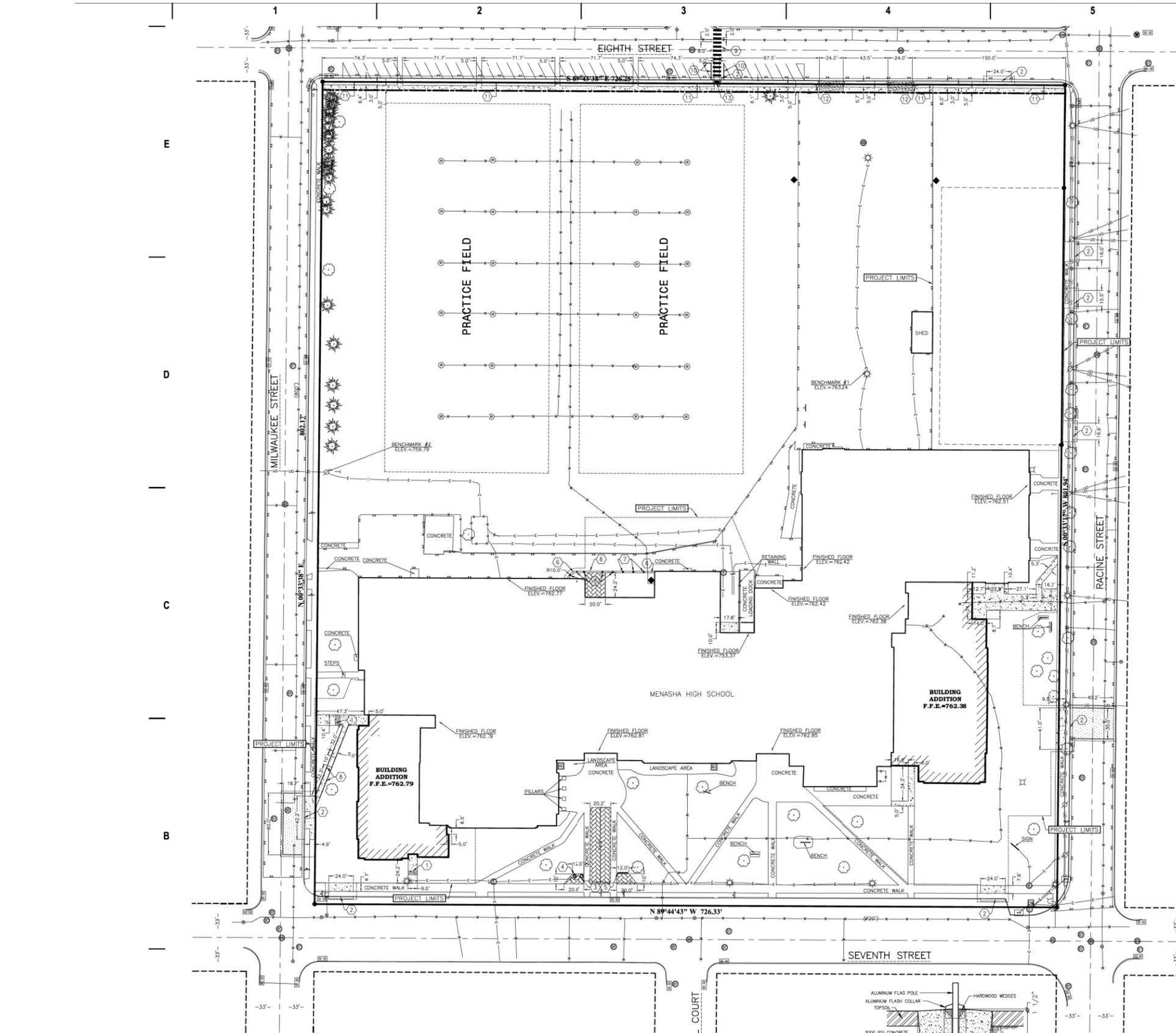
DESCRIPTION

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

BENCHMARK #1
 MARKER "X" ON LIGHT POLE BASE, LOCATED IN THE MAIN PARKING LOT NORTH OF THE HIGH SCHOOL, AND BEING INCORPORATED INTO THIS DOCUMENT AS A RESULT.
 ELEVATION = 763.24

BENCHMARK #2
 SPIKE IN POWER POLE, LOCATED ON THE EAST SIDE OF PARKING LOT NORTH OF THE HIGH SCHOOL, AND BEING INCORPORATED INTO THIS DOCUMENT AS A RESULT.
 ELEVATION = 759.79

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



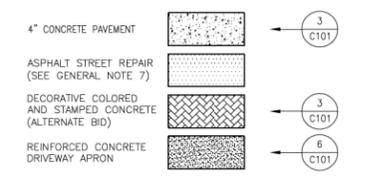
GENERAL NOTES:

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

KEYNOTES:

- ① CONCRETE STAIRS
- ② 30" CURB & GUTTER
- ③ 35' FLAG POLE (ALTERNATE BID)
- ④ 30' FLAG POLE (ALTERNATE BID)
- ⑤ NEW MONUMENT SIGN (ALTERNATE BID)
- ⑥ CONCRETE PARKING LOT EDGE
- ⑦ CONCRETE BOLLARD PEDESTRIAN PROTECTION
- ⑧ A.D.A. RAMP EXTERIOR HANDRAIL
- 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

PAVEMENT HATCH PATTERNS:



LEGEND

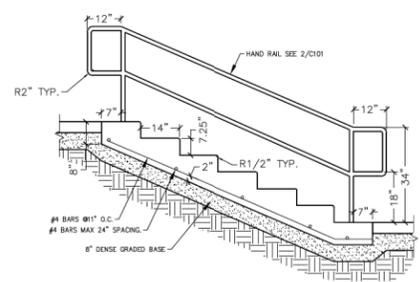
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- FENCE LINE
- EDGE OF BITUMINOUS
- CONTOUR LINE
- RECTANGULAR CATCH BASIN
- CIRCULAR CATCH BASIN
- SOL BORING
- IRRIGATION HEAD
- CLEAN OUT
- ELECTRIC METER
- ELECTRIC MANHOLE
- ELECTRIC TRANSFORMER
- GAS METER
- GAS VALVE
- GAUGE POST
- GUY WIRE
- HYDRANT
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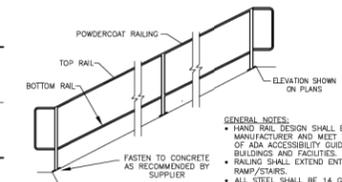
SITE SURFACE AREAS:

	EXISTING AREA	PROPOSED AREA
PAVEMENT & SIDEWALK	109,076 S.F.	86,629 S.F.
ROOF	132,267 S.F.	152,475 S.F.
TOTAL IMPERVIOUS	241,343 S.F.	241,104 S.F.

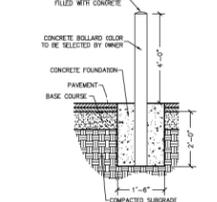
ESTIMATED AREA OF DISTURBANCE = 99,568 S.F. (2.29 ACRES)



EXTERIOR STAIRS



EXTERIOR HANDRAIL

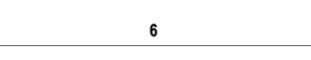


CONCRETE BOLLARD

STANDARD CURB AND GUTTER



4\"/>



UNDERGROUND UTILITIES

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BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
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ELEVATION = 763.24

BENCHMARK #2
BURY BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF MILWAUKEE STREET AND BEING APPROXIMATELY 400 FEET SOUTH OF EIGHTH STREET.
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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, 8, 9, 10, 11, 12, 13, 14, 15, 16 AND PART OF LOTS 5, 6 AND 7, ALL IN REEKS FIRST ADDITION, LOCATED IN THE NORTHEAST 1/4 OF SECTION 15, TOWNSHIP 20 NORTH, RANGE 17 EAST, CITY OF MENASHA, WINNEBAGO COUNTY, WISCONSIN.

PARKING LOT EDGE



REINFORCED CONCRETE



FLAG POLE BASE



30\"/>



eua

epstein uhen : architects

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Milwaukee, Wisconsin 53202
Tel 414 271 5300 Fax 414 271 7794

222 West Washington Ave, Suite 600
Madison, Wisconsin 53703
Tel 608 442 5350 Fax 608 442 6800

PROJECT INFORMATION

MENASHA HIGH SCHOOL

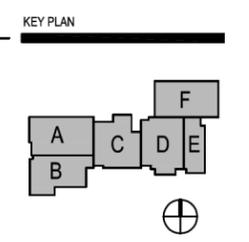
420 Seventh Street
Menasha, WI 54952

ISSUANCE AND REVISIONS

DESIGN PROGRESS

REVISIONS

#	DATE	DESCRIPTION



SHEET INFORMATION

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

LAYOUT PLAN

C101

Land Surveying
Engineering
Landscape Architecture

5709 Wesley Drive, Suite D
Stoughton, WI 54489
715.344.9999
715.344.9922

Point of Beginning



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 Milwaukee 333 East Chicago Street
 Milwaukee, Wisconsin 53202
 tel 414 271 5300 fax 414 271 7194
 madison 222 West Washington Ave, Suite 600
 Madison, Wisconsin 53703
 tel 608 442 5300 fax 608 442 6800

PROJECT INFORMATION

MENASHA HIGH SCHOOL

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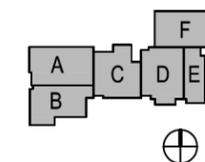
ISSUANCE AND REVISIONS

DESIGN PROGRESS

REVISIONS

#	DATE	DESCRIPTION

KEY PLAN



SHEET INFORMATION

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

GRADING PLAN

C102

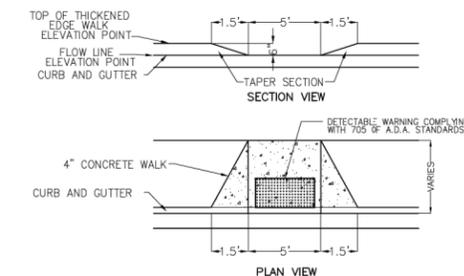
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GENERAL NOTES:

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 ALL 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 ENTRANCES OR UNLESS OTHERWISE NOTED.

GRADING LEGEND:

EXISTING CONTOUR	— 712 —
PROPOSED CONTOUR	— 712 —
PROPOSED SPOT ELEVATION	762.00
EXISTING TOP OF CURB MATCH ELEVATION	61.40
EXISTING MATCH ELEVATION	61.40



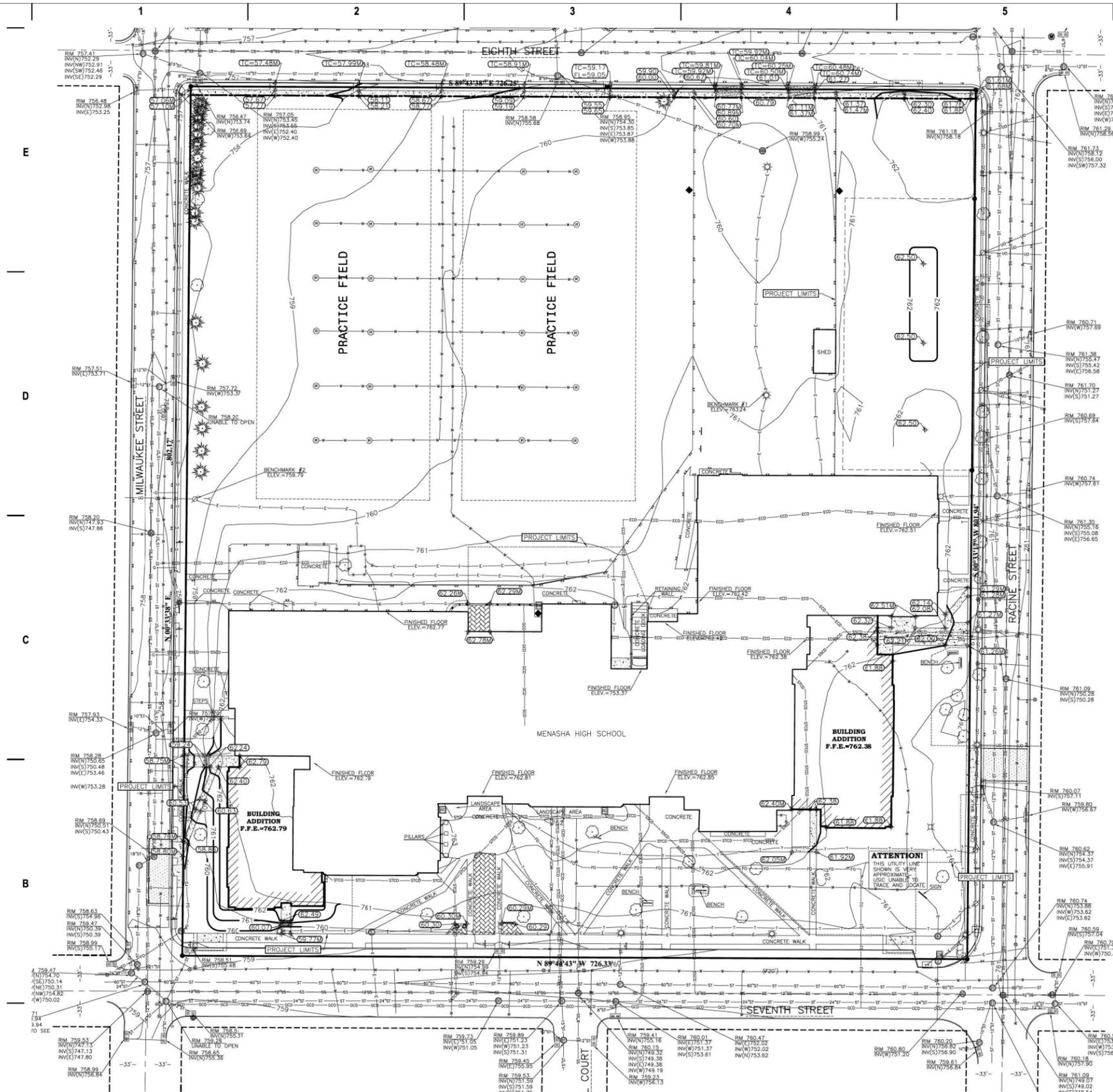
	MIN.	MAX.
A	1.5"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

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

CURB RAMP/DETECTABLE WARNING



C102



UNDERGROUND UTILITIES
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BENCH MARK
 ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

DESCRIPTION
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epstein uhen : architects
 Milwaukee 333 East Chicago Street
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PROJECT INFORMATION

MENASHA HIGH SCHOOL

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 Menasha, WI 54952

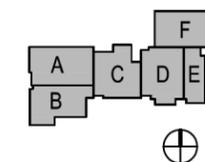
ISSUANCE AND REVISIONS

DESIGN PROGRESS

REVISIONS

#	DATE	DESCRIPTION

KEY PLAN



SHEET INFORMATION

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

EROSION CONTROL PLAN

C103

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LEGEND

These standard symbols will be found in the drawings.

[Symbol]	SANITARY PER CONSTRUCTION DOCS.
[Symbol]	STORM PER CONSTRUCTION DOCS.
[Symbol]	WATER PER CONSTRUCTION DOCS.
[Symbol]	ELECTRIC PER CONSTRUCTION DOCS.
[Symbol]	GAS PER CONSTRUCTION DOCS.
[Symbol]	SANITARY SEWER
[Symbol]	STORM SEWER
[Symbol]	OVERHEAD UTILITIES
[Symbol]	BURIED ELECTRIC
[Symbol]	BURIED GAS
[Symbol]	BURIED TELEPHONE
[Symbol]	WATERMAIN
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[Symbol]	CLEAN OUT
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[Symbol]	ELECTRIC MANHOLE
[Symbol]	ELECTRIC TRANSFORMER
[Symbol]	GAS METER
[Symbol]	GAS VALVE
[Symbol]	GAUGE POST
[Symbol]	GUY WIRE
[Symbol]	HYDRANT
[Symbol]	LIGHTPOLE
[Symbol]	POWERPOLE
[Symbol]	SANITARY MANHOLE
[Symbol]	SIAM
[Symbol]	STORM MANHOLE
[Symbol]	STORM MANHOLE
[Symbol]	TELEPHONE PEDESTAL
[Symbol]	TRAFFIC SIGNAL
[Symbol]	WATER MANHOLE
[Symbol]	WATER VALVE
[Symbol]	TREE
[Symbol]	PINE TREE
[Symbol]	COMPUTED CORNER
[Symbol]	RECORDED AS

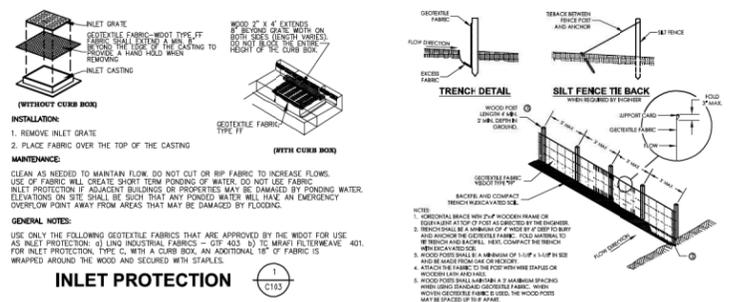
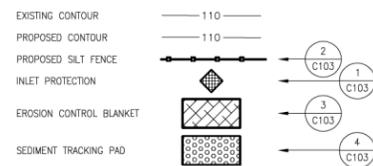
GENERAL NOTES:

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 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 RAIN 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 3400-1B.
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:



INLET PROTECTION

1. REMOVE INLET GRATE

2. PLACE FABRIC OVER THE TOP OF THE CASTING

MAINTENANCE

CLEAR 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 FOR INLET PROTECTION IF ADJACENT BUILDINGS OR PROPERTIES MAY BE DAMAGED BY PONDING WATER. ELEVATION OF CURB SHALL BE SUFFICIENT TO ALLOW FLOW OF WATER TO AN EMERGENCY OVERFLOW POINT AWAY FROM AREAS THAT MAY BE DAMAGED BY FLOODING.

GENERAL

USE ONLY THE FOLLOWING GEOTEXTILE FABRICS THAT ARE APPROVED BY THE WOOD FOR USE AS INLET PROTECTION: (a) LIND INDUSTRIAL FABRICS - OTF 403, (b) TCM MPARI FILTERWEAVE 401, (c) WOODS GEOTEXTILE FABRIC. FABRIC SHALL BE 18" WIDE.

INLET PROTECTION (WITH CURB BOX)

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

INLET PROTECTION (WITHOUT CURB BOX)

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

TRENCH DETAIL

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

SILT FENCE TIE BACK

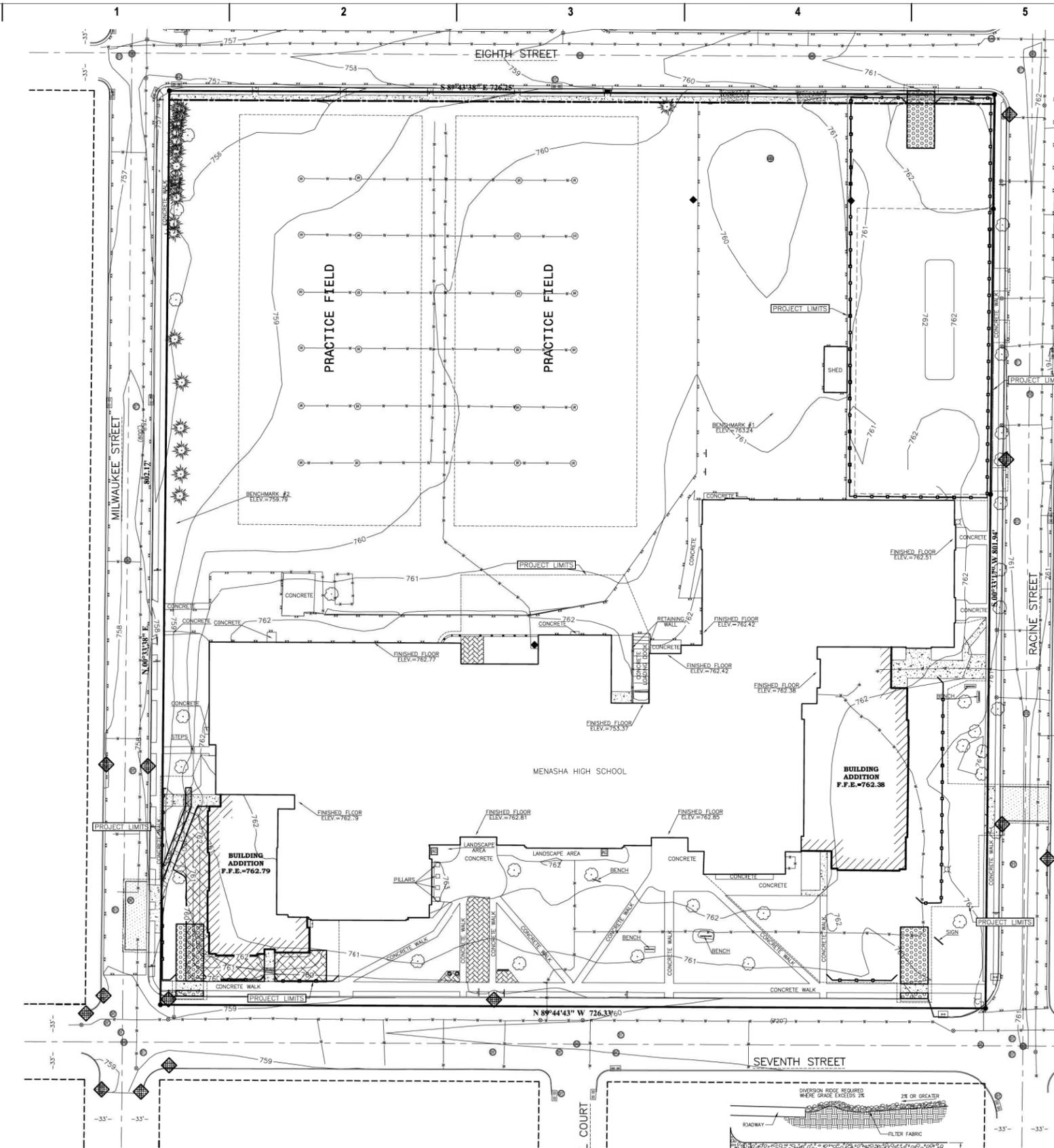
1. REMOVE INLET GRATE
2. PLACE FABRIC OVER THE TOP OF THE CASTING

GENERAL NOTES:

1. PREPARE SITE BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-TO-CELL DO NOT SEED PREPARED AREAS. CELL-TO-CELL MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 8" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH TO STABILIZE.
3. UNROLL THE BLANKET DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 25 END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAP AREAS APPROXIMATELY 10' APART.
5. EROSION CONTROL BLANKET SHALL BE LISTED ON THE CURRENT WISCONSIN DEPARTMENT OF TRANSPORTATION PRODUCT ACCEPTABILITY LIST (PAL) AS A CLASS 1 URBAN TYPE "A" EROSION MAT.

EROSION CONTROL BLANKET

(3) C103



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. (TICKS) #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 INCORPORATED INTO THIS DOCUMENT AS A RESULT. ELEVATION = 753.24

BENCHMARK #2

SPIKE IN POWER POLE, LOCATED ON THE EAST SIDE OF PARKING LOT NORTH OF THE HIGH SCHOOL AND BEING INCORPORATED INTO THIS DOCUMENT AS A RESULT. ELEVATION = 759.79

BENCHMARK #3

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

DESCRIPTION

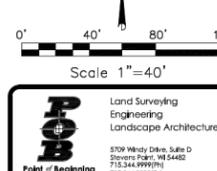
LOTS 1, 2, 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, 16 AND PART OF LOTS 5, 6 AND 7, ALL IN REEFS FIRST ADDITION, LOCATED IN THE NORTHEAST 1/4 OF SECTION 15, TOWNSHIP 20 NORTH, RANGE 17 EAST, CITY OF MENASHA, WINNEBAGO COUNTY, WISCONSIN.

NOTES:

1. THE DRAINAGE SHALL BE MAINTAINED IN A MANNER 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 STABILIZE.
2. WHEN NECESSARY, WEEDS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN NECESSARY, IT SHALL BE DONE IN AN AREA STABILIZED WITH COVERED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. TRACKING PAD IS FILLED WITH SEDIMENT REMOVED AND REPLACED CLEAR/WASHED STONE.

SEDIMENT TRACKING PAD

(4) C104





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PROJECT INFORMATION

MENASHA HIGH SCHOOL

420 Seventh Street
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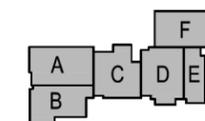
ISSUANCE AND REVISIONS

DESIGN PROGRESS

REVISIONS

#	DATE	DESCRIPTION

KEY PLAN



SHEET INFORMATION

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

UTILITY PLAN

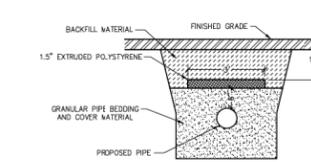
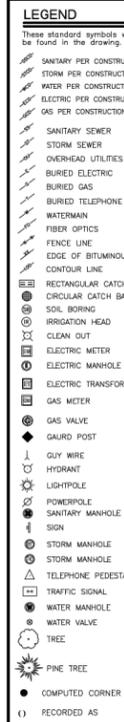
C104

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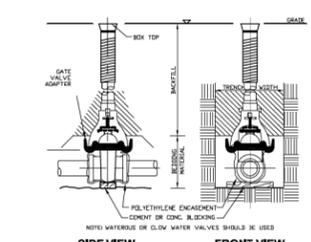
GENERAL NOTES:

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.

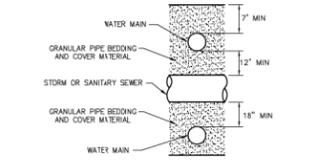
UTILITY LEGEND:



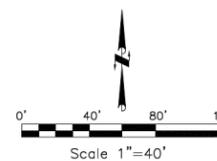
POLYSTYRENE FOAM INSULATION



WATER VALVE



WATER MAIN PIPE CROSSING



UNDERGROUND UTILITIES

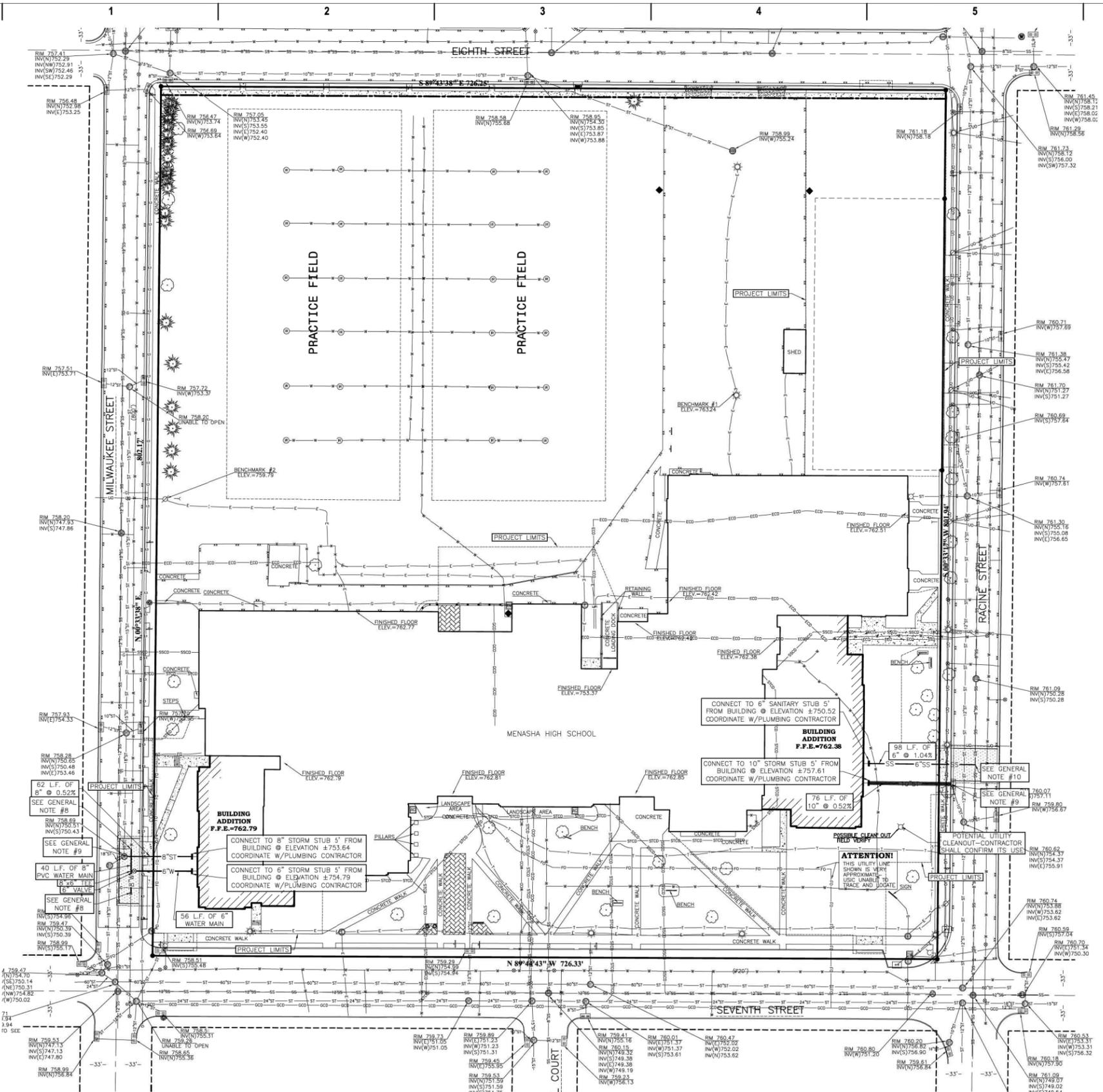
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BENCH MARK

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 INCORPORATED INTO THIS DOCUMENT AS A RESULT.
 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
 BURIED 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 REEFS 1981 ADDITION, LOCATED IN THE NORTHEAST 1/4 OF SECTION 15, TOWNSHIP 20 NORTH, RANGE 17 EAST, CITY OF MENASHA, WINNEBAGO COUNTY, WISCONSIN.
 ELEVATION = 763.24





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PROJECT INFORMATION

MENASHA HIGH SCHOOL

420 Seventh Street
 Menasha, WI 54952

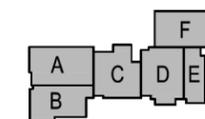
ISSUANCE AND REVISIONS

DESIGN PROGRESS

REVISIONS

#	DATE	DESCRIPTION
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KEY PLAN



SHEET INFORMATION

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

Landscape Plan

C105

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GENERAL NOTES:

- CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
- 6" OF TOPSOIL SHALL BE PROVIDED IN ALL GENERAL LANDSCAPE AREAS. LANDSCAPE CONTRACTOR SHALL VERIFY THAT SPECIFIED PLANTING SOIL DEPTH IS PRESENT PRIOR TO PLANTING.
- SEED/FERTILIZER/CORNFY MAY MULCH ALL GENERAL LANDSCAPE AREAS DISTURBED DURING CONSTRUCTION, EXCEPT AREAS NOTED ON THIS DOCUMENT TO BE SOODED.
- ALL PLANT MATERIALS LISTED SHALL MEET THE STANDARDS OF THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION FOR THE SIZES GIVEN.
- ALL TREES SHALL BE STAKED WITH A MINIMUM OF THREE STAKES.
- ALL TREES IN THE TURF AREA SHALL HAVE A 3" DIAMETER CIRCLE OF 4" DEPTH SHREDDED HARDWOOD BARK MULCH.
- EDGE-KING LANDSCAPE EDGING OR EQUAL SHALL BE PLACED AROUND ALL LANDSCAPE BEDS.
- 3" OF SHREDDED BARK MULCH SHALL BE PLACED IN ALL LANDSCAPE PLANTING BEDS. COLOR TO BE SELECTED BY OWNER.
- FILTER FABRIC SHALL BE PLACED BENEATH ALL BARK MULCH.
- COORDINATE ALL LANDSCAPE WORK WITH GAS, ELECTRIC, (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE) CABLE AND TELEPHONE CONSTRUCTION AND RESPECTIVE TRADES FOR THE INSTALLATION OF SAID UTILITIES.

LEGEND

- These standard symbols will be found in the drawings.
- 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
 - SOL. BORING
 - IRRIGATION HEAD
 - CLEAN OUT
 - ELECTRIC METER
 - ELECTRIC MANHOLE
 - ELECTRIC TRANSFORMER
 - GAS METER
 - GAS VALVE
 - GUARD POST
 - GUY WIRE
 - HYDRANT
 - LIGHTPOLE
 - POWERPOLE
 - SANITARY MANHOLE
 - SIEM
 - STORM MANHOLE
 - STORM MANHOLE
 - TELEPHONE PEDESTAL
 - TRAFFIC SIGNAL
 - WATER MANHOLE
 - WATER VALVE
 - TREE
 - PINE TREE
 - COMPUTED CORNER
 - RECORDED AS

PLANTING SCHEDULE:

TREES SYMBOLS	BOTANICAL NAME	COMMON NAME	INSTALLATION SIZE	SIZE AT MATURITY	QUANTITY
TR	SPECIES TO BE DETERMINED, VERIFY WITH OWNER.		1.5" CAL.		55
AG	ACER GINNALA VAR. 'FLAME'	FLAME AMUR MAPLE	36"	15'-20" X W	3
AM	ARJUNA MELANOCARPIS 'AUTUMN MAGIC'	AUTUMN MAGIC CHOKEBERRY	24"	4" X W	18
HA	HYDRANGEA ARBORESCENS 'WINDBELLE SPIRIT'	WINDBELLE SPIRIT HYDRANGEA	24"	4" X W	26
JH	JUNIPERUS HORIZONTALIS 'PLUMOSA'	ANDORRA JUNIPER	18"W	18" X 4" W	62
JS	JUNIPERUS SQUAMATA 'BLUE STAR'	BLUE STAR JUNIPER	18"W	24" X 4" W	46
PF	POTENTILLA FRUTICOSA 'PINK BEAUTY'	PINK BEAUTY POTENTILLA	18"W	2" X 2" W	34
PO	PHYSCARPUS OPULIFOLIUS 'DIABOLO'	DIABOLO NINEBARK	36"	8" X W	9
SM	SYRINGA MEYERI 'PALBIN'	DWARF KOREAN LILAC	24"	4" X 8" W	14
TM	TAXUS X MEDIA 'TAUNTON'	TAUNTON YEW	18"	4" X W	49
TO	THUJA OCCIDENTALIS 'TECHNY'	TECHNY GLOBE ARBORVITAE	24"	4" X 4" W	31
WF	WEIGELA FLORIDA 'WINE & ROSES'	WINE & ROSES WEIGELA	24"	4"-5" T & W	33
OR	ORNAMENTAL GRASS		INSTALLATION SIZE	SIZE AT MATURITY	QUANTITY
PV	PANICUM VIRGATUM 'RO'STRAHBUSCH'	RO'STRAHBUSCH SWITCH GRASS	24"	3'-4"	9
HE	HEMEROCALLIS 'RUBY S'ELLA'	RUBY STELLA DAYLILY	3" POT	20"X24" W	30
HO	HOSTA 'CLIMAX'	CLIMAX HOSTA	3" POT	24"X36" W	6
RF	RUBEOCKIA FULGIDA 'GOLDSTURM'	BLACK-EYED SUSAN	3" POT	24"X24" T	35
SE	SEDUM 'AUTUMN JOY'	AUTUMN JOY SEDUM	3" POT	24"X24" T	44

LANDSCAPE REQUIREMENTS:

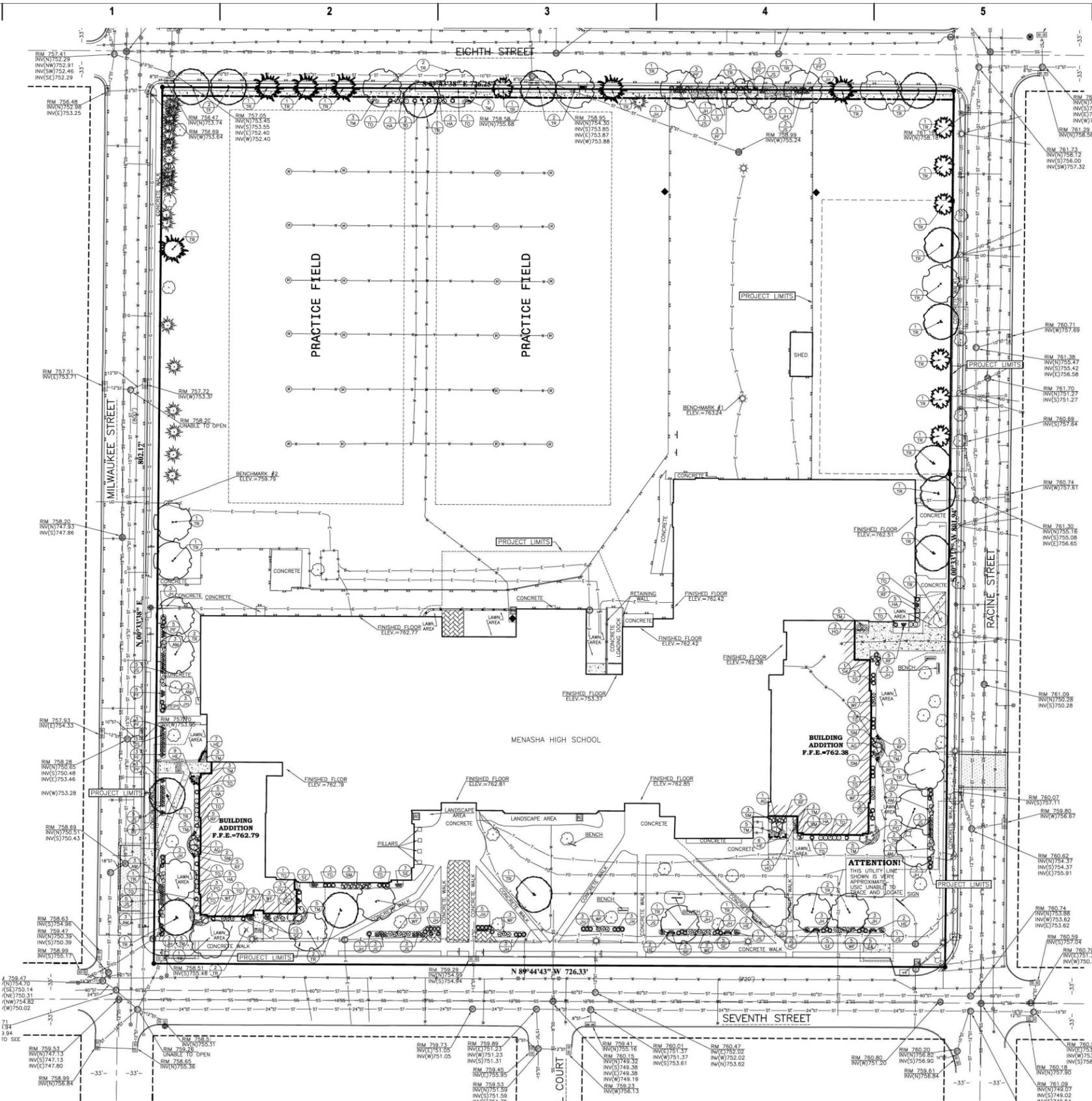
LANDSCAPE ADJACENT TO BUILDING:
 50% OF BUILDING PERIMETER SHALL BE LANDSCAPED USING NO LESS THAN 25% EVERGREEN, BUT NOT MORE THAN 50% EVERGREENS.
 BUILDING PERIMETER = 1,725 L.F./2 = 863 L.F. OF BUILDING FACADE REQUIRED TO BE LANDSCAPED
 PROPOSED: 865 L.F. OF BUILDING FACADE IS LANDSCAPED WITH PLANTINGS OTHER THAN TURF. 35% S EVERGREEN PLANTINGS.

PARKING LOT LANDSCAPING:
 LANDSCAPE BUFFER OF 8' 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
 *REQUIREMENT: 5 SHRUBS FOR EVERY 30 L.F. = 133 L.F./5 SHRUBS = 27 SHRUBS REQUIRED
 PROPOSED: 5 CANOPY TREES & 29 SHRUBS ALONG THE PERIMETER OF THE PARKING LOT (58% ARE EVERGREEN).

PERIMETER LANDSCAPING:
 *REQUIREMENT 25% OF THE PERIMETER AREA OF SHALL BE LANDSCAPED UTILIZING PLANT MATERIAL OTHER THAN TURF.
 3,056 L.F. OF PERIMETER AREA * 25% = 764 L.F. OF PERIMETER LANDSCAPING REQUIRED
 PROPOSED: 770 L.F. OF PERIMETER LANDSCAPING PROPOSED (51% IS EVERGREEN).

Scale 1"=40'

Point of Beginning



UNDERGROUND UTILITIES	BENCH MARK	DESCRIPTION
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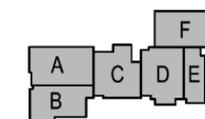
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REVISIONS

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KEY PLAN



SHEET INFORMATION

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

Landscape Plan

C105A

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GENERAL NOTES:

- CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
- 6" OF TOPSOIL SHALL BE PROVIDED IN ALL GENERAL LANDSCAPE AREAS. LANDSCAPE CONTRACTOR SHALL VERIFY THAT SPECIFIED PLANTING SOIL DEPTH IS PRESENT PRIOR TO PLANTING.
- SEED/FERTILIZER/CRIMP MAY MULCH ALL GENERAL LANDSCAPE AREAS DISTURBED DURING CONSTRUCTION, EXCEPT AREAS NOTED ON THIS DOCUMENT TO BE SOODED.
- ALL PLANT MATERIALS LISTED SHALL MEET THE STANDARDS OF THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION FOR THE SIZES GIVEN.
- ALL TREES SHALL BE STAKED WITH A MINIMUM OF THREE STAKES.
- ALL TREES IN THE TURF AREA SHALL HAVE A 3" DIAMETER CIRCLE OF 4" DEPTH SHREDDED HARDWOOD BARK MULCH.
- EDGE-MULCHING LANDSCAPE EDGING OR EQUAL SHALL BE PLACED AROUND ALL LANDSCAPE BEDS.
- 3" OF SHREDDED BARK MULCH SHALL BE PLACED IN ALL LANDSCAPE PLANTING BEDS. COLOR TO BE SELECTED BY OWNER.
- FILTER FABRIC SHALL BE PLACED BENEATH ALL BARK MULCH.
- COORDINATE ALL LANDSCAPE WORK WITH GAS, ELECTRIC, (INCLUDING MAIN SERVICE), SITE LIGHTING, CONDUITS AND SIGNAGE) CABLE AND TELEPHONE CONSTRUCTION AND RESPECTIVE TRADES FOR THE INSTALLATION OF SAID UTILITIES.

LEGEND

- These standard symbols will be found in the drawings.
- SANITARY PER CONSTRUCTION DOGS
 - STORM PER CONSTRUCTION DOGS
 - WATER PER CONSTRUCTION DOGS
 - ELECTRIC PER CONSTRUCTION DOGS
 - GAS PER CONSTRUCTION DOGS
 - 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
 - SOL. BORING
 - IRRIGATION HEAD
 - CLEAN OUT
 - ELECTRIC METER
 - ELECTRIC MANHOLE
 - ELECTRIC TRANSFORMER
 - GAS METER
 - GAS VALVE
 - GAUARD POST
 - GUY WIRE
 - HYDRANT
 - LIGHTPOLE
 - POWERPOLE
 - SANITARY MANHOLE
 - SIEM
 - STORM MANHOLE
 - STORM MANHOLE
 - TELEPHONE PEDESTAL
 - TRAFFIC SIGNAL
 - WATER MANHOLE
 - WATER VALVE
 - TREE
 - PINE TREE
 - COMPUTED CORNER
 - RECORDED AS

PLANTING SCHEDULE:

TREES SYMBOLS	SPECIES TO BE DETERMINED, VERIFY WITH OWNER.	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" X W	3
AM	ARONIA MELANOCARPA 'AUTUMN MAGIC'	AUTUMN MAGIC CHOKEBERRY	24"	4" X W	18
HA	HYDRANGEA ARBORESCENS 'INVINCIBELLE SPIRIT'	INVINCIBELLE SPIRIT HYDRANGEA	24"	4" X W	26
JH	JUNIPERUS HORIZONTALIS 'PLUMOSA'	ANDORRA JUNIPER	18"W	18" X 4" W	62
JS	JUNIPERUS SQUAMATA 'BLUE STAR'	BLUE STAR JUNIPER	18"W	24" X 4" W	46
PF	POTENTILLA FRUTICOSA 'PINK BEAUTY'	PINK BEAUTY POTENTILLA	18"W	2" X 2" W	34
PO	PHYSCARPUS OPULIFOLIUS 'DIABOLO'	DIABOLO NINEBARK	36"	8" X W	9
SM	SYRINGA MEYERI 'PALBIN'	DWARF KOREAN LILAC	24"	4" X 8" W	14
TM	TAXUS X MEDIA 'TAUNTON'	TAUNTON YEW	18"	4" X W	49
TO	THUJA OCCIDENTALIS 'TECHNY'	TECHNY GLOBE ARBORVITAE	24"	4" X 4" W	31
WF	WEIGELA FLORIDA 'WINE & ROSES'	WINE & ROSES WEIGELA	24"	4"-5" X W	33

ORNAMENTAL GRASS SYMBOLS	BOTANICAL NAME	COMMON NAME	INSTALLATION SIZE	SIZE AT MATURITY	QUANTITY
PV	PANICUM VIRGATUM 'RO'STRAHBUSCH'	RO'STRAHBUSCH SWITCH GRASS	24"	3'-4"	9

PERENNIALS SYMBOLS	BOTANICAL NAME	COMMON NAME	INSTALLATION SIZE	SIZE AT MATURITY	QUANTITY
HE	HEMEROCALLIS 'RUBY S'ELLA'	RUBY STELLA DAYLILY	3" POT	20"X24" W	30
HO	HOSTA 'CLIMAX'	CLIMAX HOSTA	3" POT	24"X36" W	6
RF	RUDEBECKIA FULGIDA 'GOLDSTURM'	BLACK-EYED SUSAN	3" POT	24"X24" W	35
SE	SEDUM 'AUTUMN JOY'	AUTUMN JOY SEDUM	3" POT	24"X24" W	44

LANDSCAPE REQUIREMENTS:

LANDSCAPE ADJACENT TO BUILDING:
 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 8' 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
 *REQUIREMENT: 5 SHRUBS FOR EVERY 30 L.F. = 133 L.F./5 SHRUBS = 27 SHRUBS REQUIRED
 PROPOSED: 5 CANOPY TREES & 29 SHRUBS ALONG THE PERIMETER OF THE PARKING LOT (58% ARE EVERGREEN).

PERIMETER LANDSCAPING:
 *REQUIREMENT: 25% OF THE PERIMETER AREA OF SHALL BE LANDSCAPED UTILIZING PLANT MATERIAL OTHER THAN TURF.
 3,056 L.F. OF PERIMETER AREA * 25% = 764 L.F. OF PERIMETER LANDSCAPING REQUIRED
 PROPOSED: 770 L.F. OF PERIMETER LANDSCAPING PROPOSED (51% IS EVERGREEN).

FUTURE PARKING IMPROVEMENT LEGEND:

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

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

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 DIGGER'S 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 DIGGER'S HOTLINE. (TICKS) #20132706899, #20132706912, #20132706922, #20132706933 AND #20132706950

BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

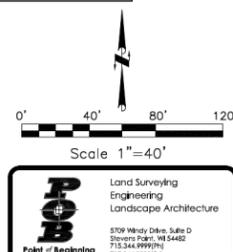
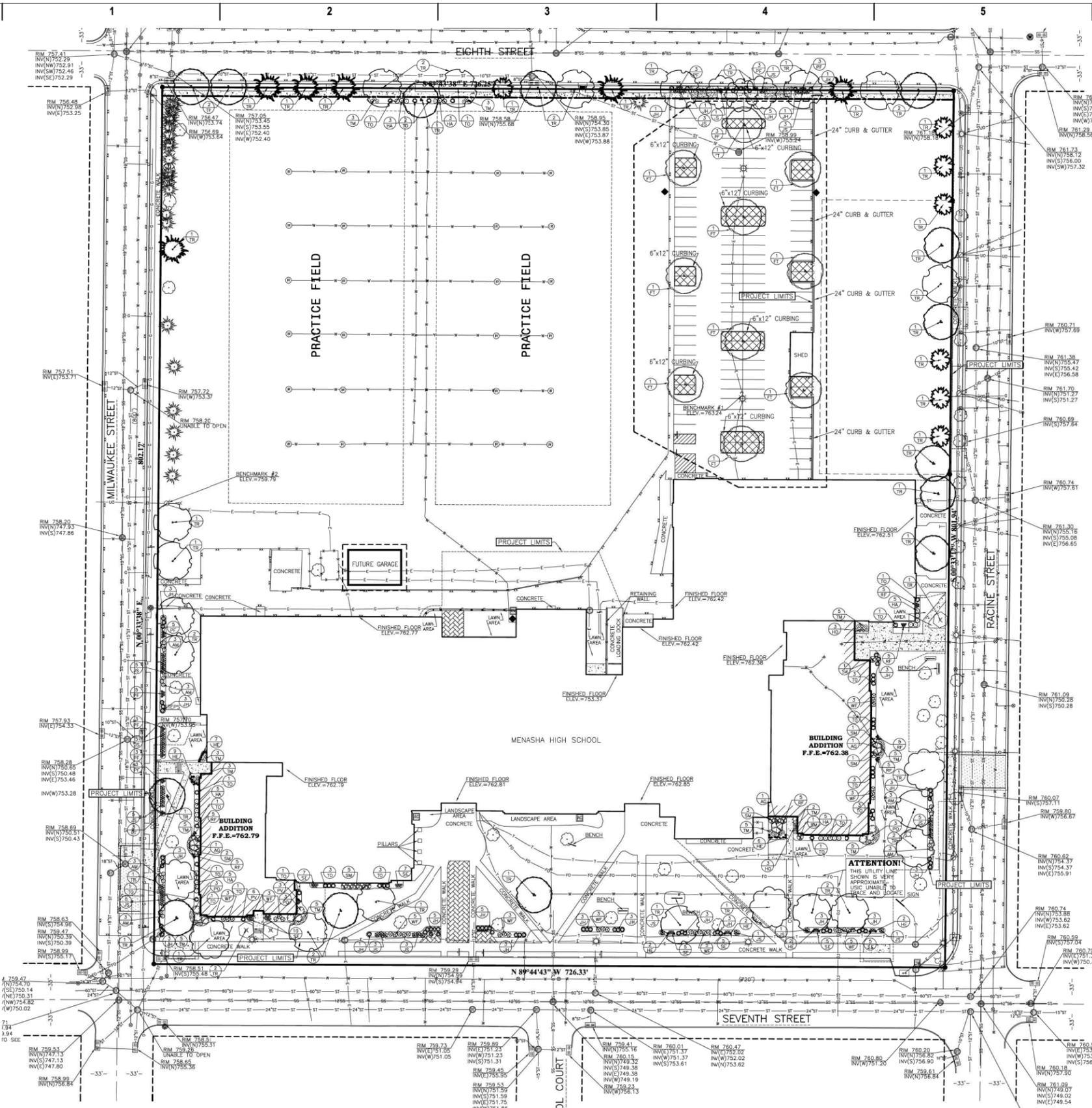
BENCHMARK #1
 MARKER "X" ON LIGHT POLE BASE, LOCATED IN THE MAIN PARKING LOT NORTH OF THE HIGH SCHOOL, AND BEING THE MOST SOUTHERN LIGHT POLE.
 ELEVATION = 763.24

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, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16 AND PART OF LOTS 5, 7 AND 7, ALL IN REEFS 19891 ADDITION, LOCATED IN THE NORTHEAST 1/4 OF SECTION 15, TOWNSHIP 20 NORTH, RANGE 17 EAST, CITY OF MENASHA, WINNEBAGO COUNTY, WISCONSIN.



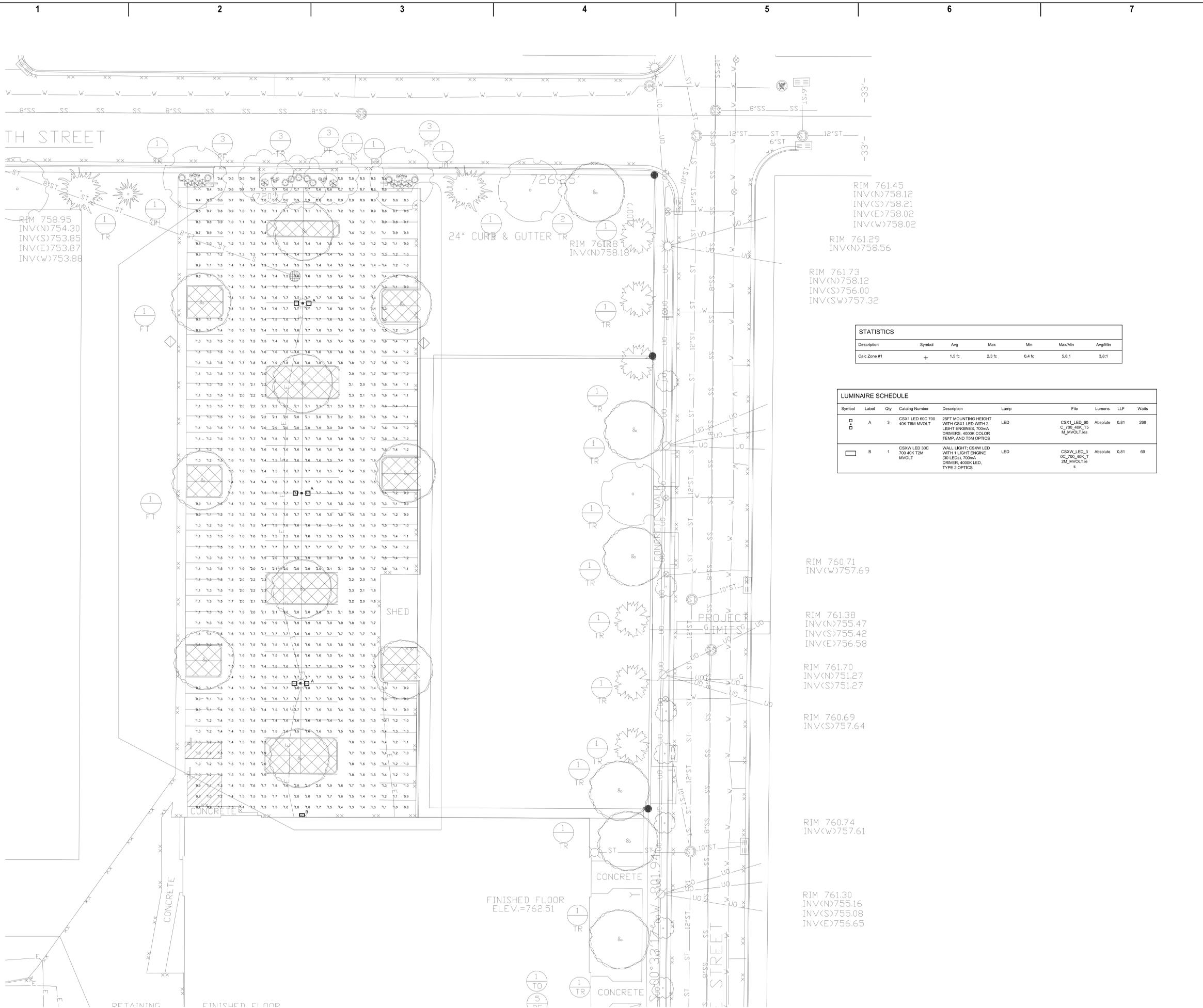
#	DATE	DESCRIPTION

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



RIM 761.45
INV(N)758.12
INV(S)758.21
INV(E)758.02
INV(W)758.02

RIM 761.29
INV(N)758.56

RIM 761.73
INV(N)758.12
INV(S)756.00
INV(SW)757.32

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

Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
□	A	3	CSX1 LED 60C 700 49K TSM MVOLT	25FT MOUNTING HEIGHT WITH CSX1 LED WITH 2 LIGHT ENGINES, 700mA DRIVERS, 4000K COLOR TEMP. AND TSM OPTICS	LED	CSX1_LED_60 C_700_49K_T5 M_MVOLT.dwg	Absolute	0.81	208
□	B	1	CSXW LED 30C 700 49K TSM MVOLT	WALL LIGHT: CSXW LED WITH 1 LIGHT ENGINE (30 LED), 700MA DRIVER, 4000K LED, TYPE 2 OPTICS	LED	CSXW_LED_30C_700_49K_T 2M_MVOLT.dwg	Absolute	0.81	69

RIM 760.71
INV(W)757.69

RIM 761.38
INV(N)755.47
INV(S)755.42
INV(E)756.58

RIM 761.70
INV(N)751.27
INV(S)751.27

RIM 760.69
INV(S)757.64

RIM 760.74
INV(W)757.61

RIM 761.30
INV(N)755.16
INV(S)755.08
INV(E)756.65

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



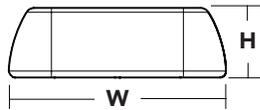
CSX1 LED LED Area Luminaire



CONTOUR
SERIES

Specifications

EPA:	0.7 ft ² (0.07 m ²)
Length:	23-1/2" (59.7 cm)
Width:	18-1/2" (46.9 cm)
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									
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 Separately² 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 ZELED 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 separately² VG Vandal guard BS Bird-deterrent 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

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
SCU	Shorting cap ¹⁰
KMA8 DDBXD U	Mast arm adaptor (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.

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.

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

- 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).
- Also available as a separate accessory; see Accessories information at left.
- 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.
- Not available with 347 or 480V.
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- 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 ZELED.
- Requires an additional switched line.
- Not available with BL30 or BL50.
- Dimming driver standard. MVOLT only. Not available with WTB, UT or DCR.
- 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.



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

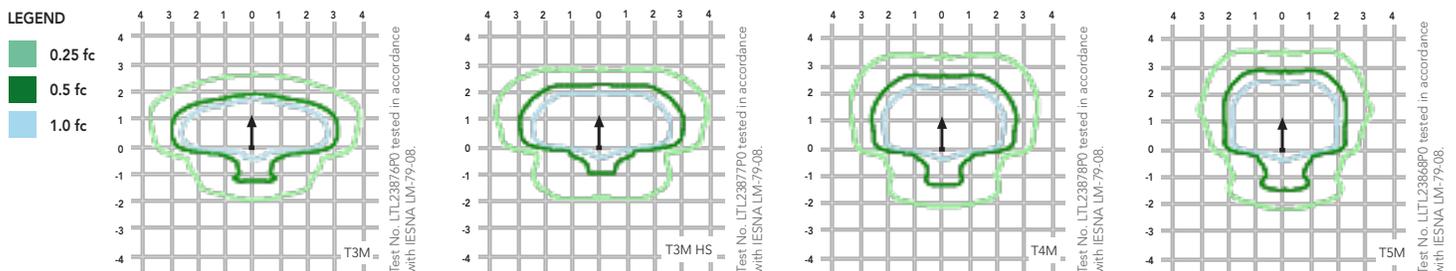
Electrical Load

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.





CSXW LED LED Wall Luminaire



CONTOUR
SERIES

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)



Catalog
Number

Notes

Type

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.

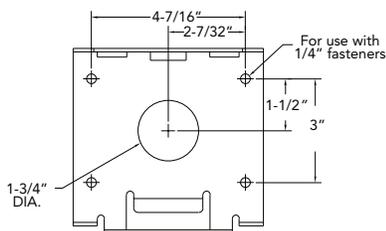
The CSXW LED combines the latest in LED technology with the familiar aesthetic of the Contour® Series for stylish, high-performance illumination that lasts. It is ideal for replacing 100-400W metal halide in wall-mounted applications with typical energy savings of 80% and expected service life of over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

Ordering Information

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

CSXW LED		Drive current		Color temperature ¹		Distribution		Voltage		Mounting		Options		Finish <i>(required)</i>			
Series	LEDs																
CSXW LED	30C 30 LEDs	700	700 mA	40K	4000K	T2M	Type II, medium	MVOLT ²	Shipped included	Shipped installed		DDBXD	Dark bronze				
		1000	1000 mA	50K	5000K	T3M	Type III, medium	120 ²	(blank) Surface mount	PE	Photoelectric cell, button type ^{5,6}	DBLXD	Black				
						T4M	Type IV, medium	208 ²	Shipped separately	DMG	0-10V dimming driver (no controls)	DNAXD	Natural aluminum				
						TFTM	Type forward throw, medium	240 ²		BBW	Surface-mounted back box (for conduit entry) ⁴	SF	Single fuse (120, 277, 347V) ⁷	DDBTXD	Textured dark bronze		
								277 ²			DF	Double fuse (208, 240, 480V) ⁷	DBLBXD	Textured black			
								347 ³				DNATXD	Textured natural aluminum				
								480 ³				DWHGXD	Textured white				
											Shipped separately⁴						
											VG	Vandal guard					
											WG	Wire guard					

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

- Configured with 4000K (/40K) provides the shortest lead times. Consult factory for 5000K (/50K) lead times.
- 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).
- Available with 700 mA options only (30C 700).
- Also available as a separate accessory; see Accessories information at left.
- Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option.
- Must be ordered with fixture; cannot be field installed.
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.



Performance Data

Lumen Output

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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
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	1.02
10°C	1.01
20°C	1.00
25°C	1.00
30°C	1.00
40°C	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

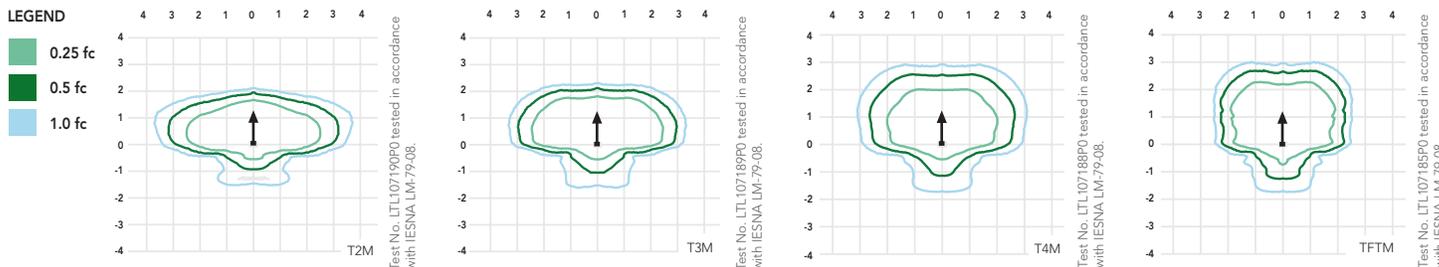
Electrical Load

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.

