

# CAPITAL MAINTENANCE TO WHITEWATER MIDDLE SCHOOL

Whitewater Unified School District  
401 S Elizabeth St  
Whitewater, WI 53190

## CONSTRUCTION DOCUMENTS 12/19/2025



### Architectural

**Bray Architects**  
829 S. 1st Street  
Milwaukee, WI 53204  
(414) 226-0200

### Civil

**Point of Beginning, Inc.**  
4941 Kirschling Court  
Stevens Point, Wisconsin 54481  
(715) 344-9999

### Plumbing

**MSA Professional Services, Inc.**  
220 East Buffalo Street, Suite 201  
Milwaukee, WI 53202  
(414) 296-4333

### Electrical

**MSA Professional Services, Inc.**  
116 Fremont Street, PO Box 235  
Kiel, Wisconsin 53042  
(920) 894-7800

DRAWING INDEX		
NO.	DESCRIPTION	DATE
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001T	WEST DEMOLITION PLAN	
001S	SOUTH DEMOLITION PLAN	
001N	NORTH DEMOLITION PLAN	
001E	TOA WALL LAYOUT PLAN	
001W	WEST LAYOUT PLAN	
001S	SOUTH LAYOUT PLAN	
001N	NORTH LAYOUT PLAN	
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001E	TOA WALL FOUNDATION ONE LINE DIAGRAM	
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001W	WEST FOUNDATION PANEL SCHEDULES	
001S	SOUTH FOUNDATION PANEL SCHEDULES	
001N	NORTH FOUNDATION PANEL SCHEDULES	

**BRAY**  
ARCHITECTS

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Stoughton - Devonport  
Alpha - Salt Point

www.brayarch.com

CAPITAL MAINTENANCE TO  
WHITEWATER MIDDLE SCHOOL  
Whitewater Unified School District  
401 S Elizabeth St  
Whitewater, WI 53190

ISSUANCES + REVISIONS:

NO.	DATE	DESCRIPTION

Issued for  
**CONSTRUCTION  
DOCUMENTS**

12/19/2025

Project Number

**3705**

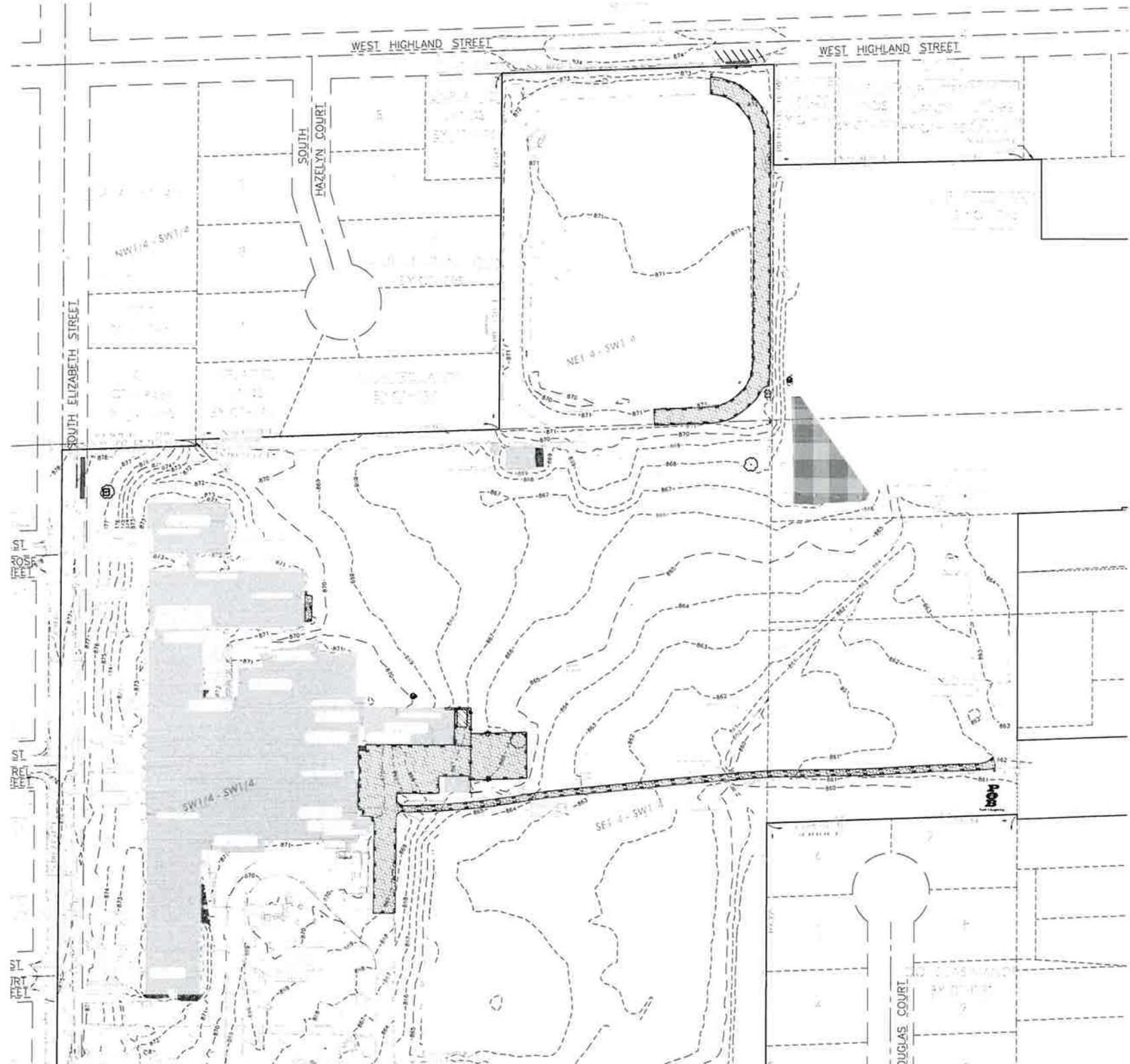
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**COVER SHEET**

Sheet Number

**G0.0**

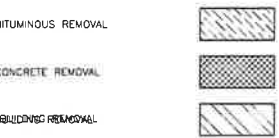
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**GENERAL NOTES:**

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
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 AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES FOR PERIMETER PROTECTION PRIOR TO THE START OF DEMOLITION/CONSTRUCTION, IN ACCORDANCE WITH THE LOCAL AND STATE GOVERNING AUTHORITIES.
4. BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
5. ANY EXISTING PUBLIC & PRIVATE UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED, AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
6. COORDINATE ALL PRIVATE & PUBLIC UTILITY REMOVAL, DISCONNECTION, &/OR RECONNECTION WITH RESPECTIVE UTILITY COMPANIES PRIOR TO BEGINNING WORK.
7. COORDINATE UTILITY SERVICE DISCONNECTIONS/OUTAGES WITH OWNER AND ANY IMPACTED NEIGHBORS. MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
8. ANY EXISTING UTILITIES NOT EXPRESSLY LABELED FOR DEMOLITION/REMOVAL ON THIS DOCUMENT SHALL BE LEFT IN PLACE AND IN THEIR CURRENT STATE OF OPERATION. CONTACT ENGINEER WHEREVER CLARIFICATION IS NEEDED.
9. STRIP TOPSOIL WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE PROJECT MANUAL SPECIFICATIONS.
10. IF STRIPPED TOPSOIL IS STOCKPILED ON SITE, SILT FENCE SHALL BE INSTALLED AROUND THE BASE OF THE STOCKPILE TO PREVENT SEDIMENT TRANSPORT.
11. PRIOR TO PERFORMING WORK WITHIN PUBLIC RIGHT OF WAYS, NOTIFY AND COORDINATE WORK WITH THE LOCAL MUNICIPALITY.
12. MAINTAIN TRAFFIC CIRCULATION TO ALL NEIGHBORING PROPERTIES SHOWN ON THIS DOCUMENT. COORDINATE ALL WORK WITH NEIGHBORING PROPERTY OWNERS.

**DEMOLITION HATCH PATTERNS:**



**CIVIL SHEET INDEX:**

- C1.0 OVERALL DEMOLITION PLAN
- C1.1 WEST DEMOLITION PLAN
- C1.2 EAST DEMOLITION PLAN
- C1.3 NORTH DEMOLITION PLAN
- C2.0 OVERALL LAYOUT PLAN
- C2.1 WEST LAYOUT PLAN
- C2.2 EAST LAYOUT PLAN
- C2.3 NORTH LAYOUT PLAN
- C3.0 OVERALL GRADING PLAN
- C3.1 WEST GRADING PLAN
- C3.2 EAST GRADING PLAN
- C3.3 NORTH GRADING PLAN
- C4.0 OVERALL EROSION CONTROL PLAN
- C4.1 WEST EROSION CONTROL PLAN
- C4.2 EAST EROSION CONTROL PLAN
- C4.3 NORTH EROSION CONTROL PLAN
- C5.0 OVERALL UTILITY PLAN
- C5.1 WEST UTILITY PLAN
- C5.2 EAST UTILITY PLAN
- C5.3 NORTH UTILITY PLAN
- C6.0 DETAILS
- C6.1 DETAILS
- L1.0 LANDSCAPE PLAN

**BENCHMARK:**

ELEVATIONS ARE REFERENCED TO NAD83 DATUM.

**BENCHMARK #1:**  
662 SPK ON NORTH SIDE OF POWER POLE.  
LOCATED APPROXIMATELY 70 FEET EAST OF THE EAST EDGE OF THE SALT SHED.  
ELEVATION = 864.89

**BENCHMARK #2:**  
662 SPK ON SOUTH SIDE OF POWER POLE.  
LOCATED APPROXIMATELY 75 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MIDDLE SCHOOL BUILDING.  
ELEVATION = 871.44

**BENCHMARK #3:**  
ARROW BOLT ON HYDRANT. LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST LAUREL STREET.  
ELEVATION = 816.20

**BENCHMARK #4:**  
ARROW BOLT ON HYDRANT. LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET.  
ELEVATION = 877.61

**BENCHMARK #5:**  
ARROW BOLT ON HYDRANT. LOCATED APPROXIMATELY 175 FEET NORTHWEST OF THE NORTHWEST CORNER OF THE WHITEWATER UNITED SCHOOL DISTRICT CENTRAL OFFICE BUILDING.  
ELEVATION = 882.24

**UTILITY DISCLAIMER:**

THE LOCATIONS, SIZES AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOWN HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTION, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON. IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE. WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED, OR MARKED, DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. GENERAL UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS BY OTHER AND/OR AS-BUILT PLANS PROVIDED BY OTHERS. POINTS OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON AND BELIEVES THAT THE INFORMATION CONTAINED HEREIN IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.



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PCB Project: 20-0087  
Drawn: J.S. Creech, J.S.



ISSUANCES & REVISIONS:

NO.	DATE	DESCRIPTION
1	12/19/2025	ADDED

ADDITON AND RENOVATION  
WHITEWATER USD MIDDLE SCHOOL  
401 S ELIZABETH STREET  
WHITEWATER, WI 53190

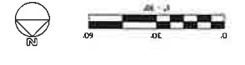
Issued for  
**CONSTRUCTION DOCUMENTS**  
12/19/2025

Project Number  
**3705**

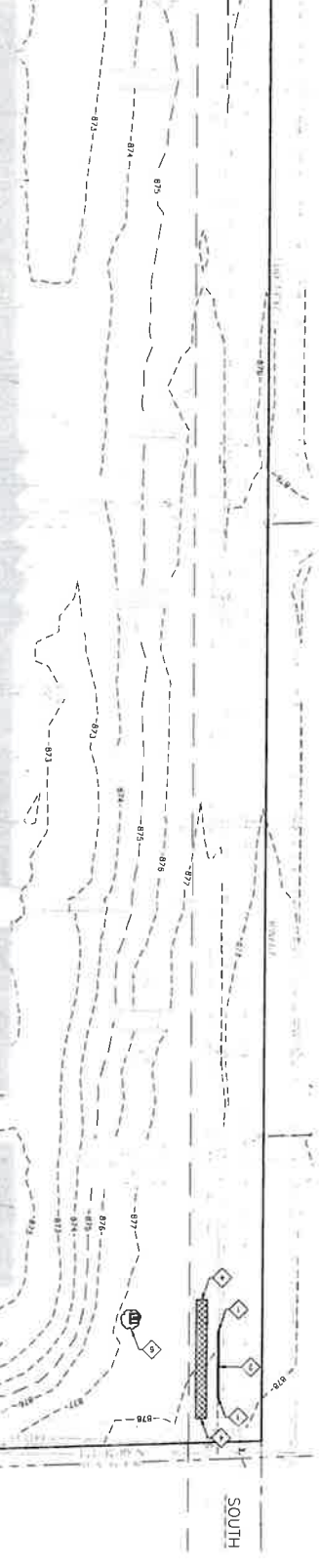
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**OVERALL DEMOLITION PLAN**

Sheet Number  
**C1.0**

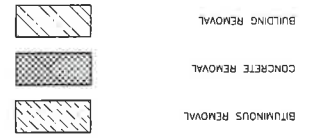
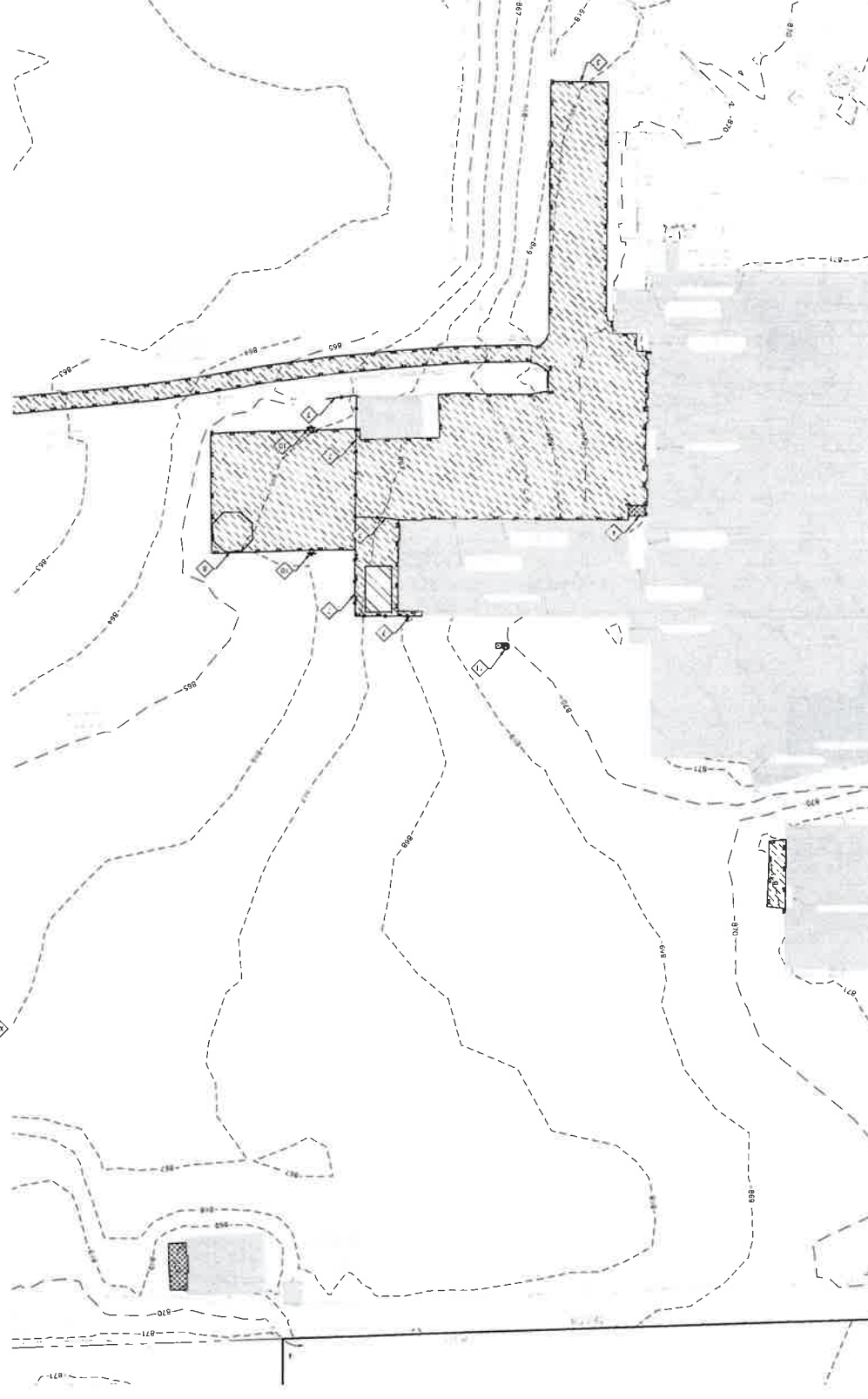
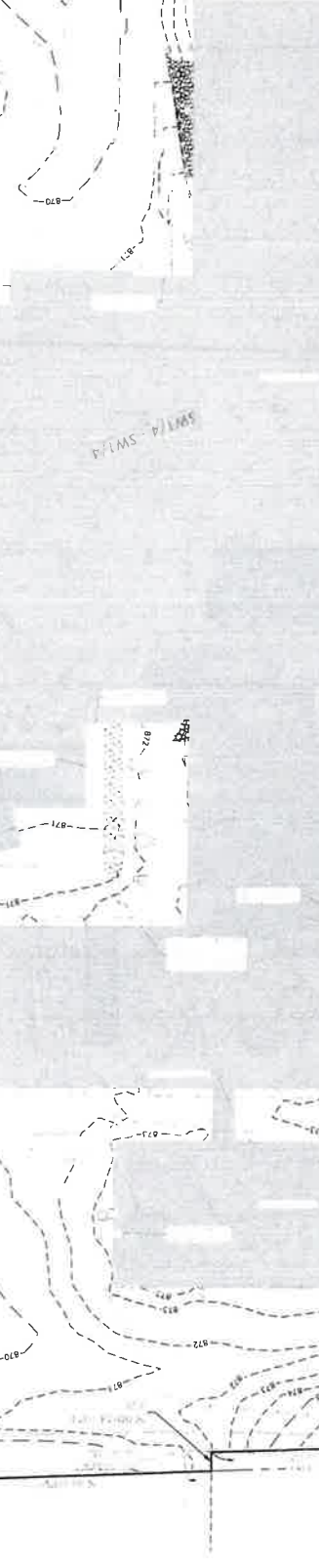




**BENCHMARK:**



**UTILITY DISCLAIMER:**



**DEMOLITION HATCH PATTERNS:**

1. REMOVE EXISTING CONCRETE CURBING
2. REMOVE EXISTING ASPHALT PAVEMENT
3. REMOVE EXISTING ASPHALT PAVEMENT
4. REMOVE EXISTING CONCRETE CURBING
5. REMOVE EXISTING CONCRETE CURBING
6. REMOVE EXISTING CONCRETE CURBING
7. REMOVE EXISTING FENCE (COORDINATE W/ OWNER)
8. REMOVE & SALVAGE EXISTING GOLF BALL PIT (REINSTALL AFTER CONSTRUCTION)
9. CLEAR & GRUB EXISTING TREE
10. REMOVE EXISTING BASKETBALL HOOPS
11. REMOVE EXISTING GOOSE NECK AND CONNECT UNDERGROUND (SEE SHEETS C2.0-C2.3 FOR DETAILS)
12. REMOVE EXISTING GRAVEL
13. REMOVE EXISTING PARKING LOT STRIPING (SEE SHEET C2.3 FOR PROPOSED STRIPING)

**KEYNOTES:**

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
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 AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES FOR PERMITTER PROTECTION PRIOR TO THE START OF DEMOLITION/CONSTRUCTION IN ACCORDANCE WITH THE LOCAL AND STATE GOVERNING AUTHORITIES.
4. ANY EXISTING PUBLIC & PRIVATE UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED, AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
5. COORDINATE ALL PRIVATE & PUBLIC UTILITY REMOVAL, DISCONNECTION, &/OR RECONNECTION WITH RESPECTIVE UTILITY COMPANIES PRIOR TO BEGINNING WORK.
6. COORDINATE UTILITY SERVICE DISCONNECTIONS/DIAPYCES WITH OWNER AND ANY IMPACTED NEIGHBORS. MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
7. ANY EXISTING UTILITIES NOT EXPRESSLY LABELED FOR DEMOLITION/REMOVE ON THIS DOCUMENT SHALL BE LEFT ALONE FOR PROPER FUTURE REUSE.
8. MAINTAIN EXISTING TREE (ANY BRANCHES NEEDED TO BE THINDED FOR DEMOLITION AND CONSTRUCTION SHOULD BE DONE BY A PROFESSIONAL ARBORIST TO ENSURE NO DAMAGE TO TREE).
9. RELOCATE EXISTING TREE AND REPAIR PLANTING SEE SHEET C2.1 FOR LOCATION (COORDINATE W/ OWNER).
10. REMOVE EXISTING FENCE
11. REMOVE & SALVAGE EXISTING GOLF BALL PIT (REINSTALL AFTER CONSTRUCTION)
12. CLEAR & GRUB EXISTING TREE
13. REMOVE EXISTING BASKETBALL HOOPS
14. REMOVE EXISTING GOOSE NECK AND CONNECT UNDERGROUND (SEE SHEETS C2.0-C2.3 FOR DETAILS)
15. REMOVE EXISTING GRAVEL
16. REMOVE EXISTING PARKING LOT STRIPING (SEE SHEET C2.3 FOR PROPOSED STRIPING)

**GENERAL NOTES:**

WORK WITH NEIGHBORING PROPERTY OWNERS.  
12. MAINTAIN TRAFFIC CIRCULATION TO ALL NEIGHBORING PROPERTIES SHOWN ON THIS DOCUMENT. COORDINATE ALL

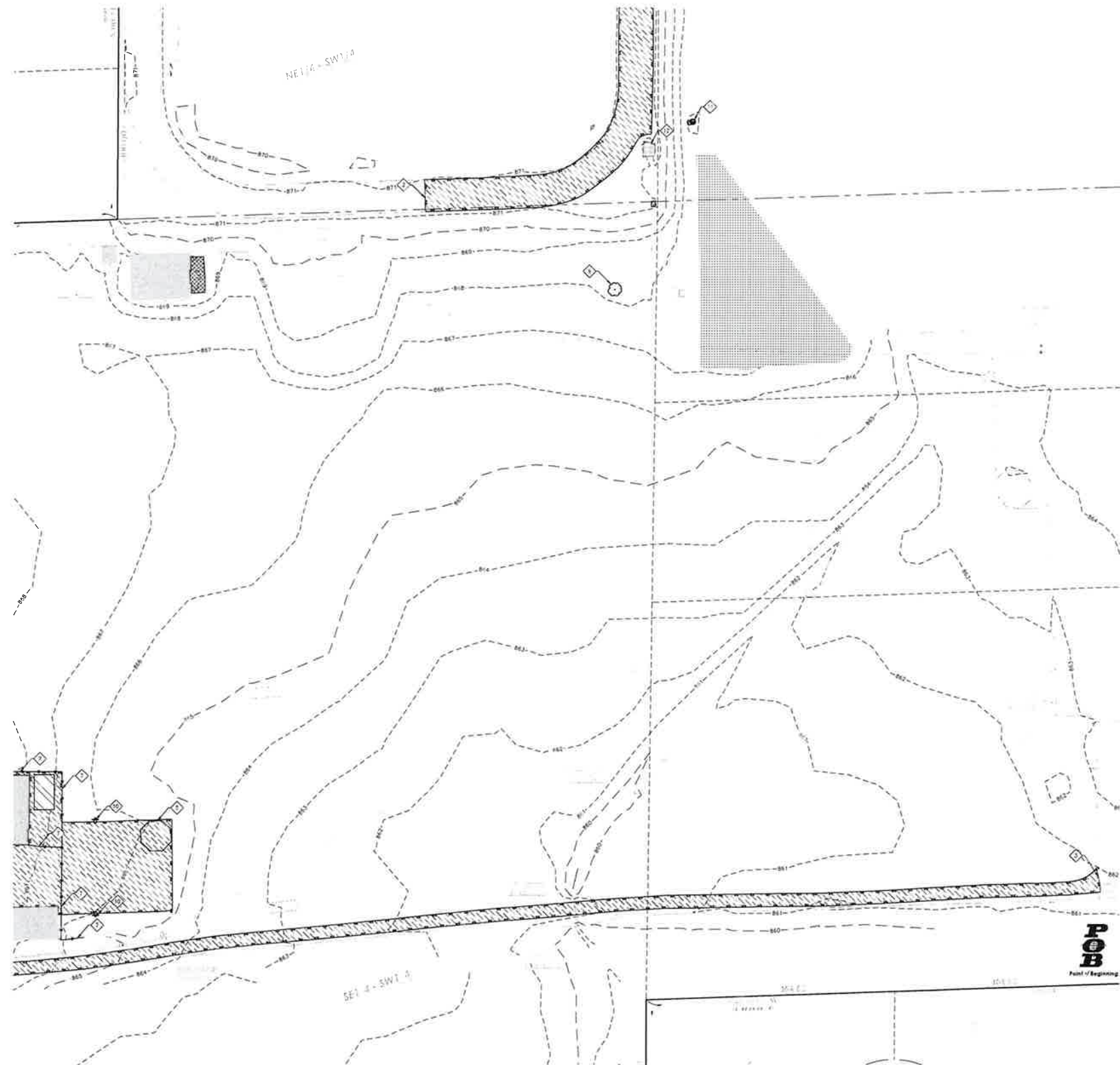
ISSUANCES + REVISIONS:  
DATE DESCRIPTION  
1. APPROVED (ADDITIONAL) 11/19/2025

Project Title  
**ADDITION AND RENOVATION  
WHITEMATER USD MIDDLE SCHOOL  
401 S ELIZABETH STREET  
WHITEMATER, WI 53190**

ENGINEERING  
DESIGN BY:  
**POB**  
Point of Engineering  
Civil Engineering  
Land Surveying  
Landscape Architecture  
4411 North 54th  
Suite 200  
Wauwatosa, WI 53222  
715.344.4771  
POB Project: 35007  
Drawn: JKL, Checked: JLL

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Shogren - Overport  
Miles - East Pad  
1. 614.281.0200  
Madison Wisconsin 53704  
225 South 1st Street  
Milwaukee





**BENCHMARK:**

ELEVATIONS ARE REFERENCED TO NAVD 29 DATUM:  
**BENCHMARK #1**  
 800 SPIKE ON NORTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 70 FEET EAST OF THE EAST EDGE OF THE SALT SHED. ELEVATION = 864.69  
**BENCHMARK #2**  
 800 SPIKE ON SOUTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 75 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MIDDLE SCHOOL BUILDING. ELEVATION = 871.44  
**BENCHMARK #3**  
 ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST LAUREL STREET. ELEVATION = 878.20  
**BENCHMARK #4**  
 ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET. ELEVATION = 877.51  
**BENCHMARK #5**  
 ARROW BOLT ON HYDRANT, LOCATED APPROXIMATELY 175 FEET NORTHEAST OF THE NORTHWEST CORNER OF THE WHITEWATER UNITED SCHOOL DISTRICT CENTRAL OFFICE BUILDING. ELEVATION = 888.34

**UTILITY DISCLAIMER:**

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOWN HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SAUARY SENDER AND STORM SEWER PIPE SIZES, DIRECTIONS, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON. IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED OR MARKED DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MANHOLES BY OTHERS AND/OR AS-BUILT PLANS, PRODUCED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREON IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.

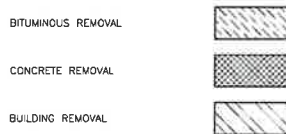
**GENERAL NOTES:**

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
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 AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES FOR PERIMETER PROTECTION PRIOR TO THE START OF DEMOLITION/CONSTRUCTION, IN ACCORDANCE WITH THE LOCAL AND STATE GOVERNING AUTHORITIES.
4. BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
5. ANY EXISTING PUBLIC & PRIVATE UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED, AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
6. COORDINATE ALL PRIVATE & PUBLIC UTILITY REMOVAL, DISCONNECTION, &/OR RECONNECTION WITH RESPECTIVE UTILITY COMPANIES PRIOR TO BEGINNING WORK.
7. COORDINATE UTILITY SERVICE DISCONNECTIONS/OUTAGES WITH OWNER AND ANY IMPACTED NEIGHBORS. MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
8. ANY EXISTING UTILITIES NOT EXPRESSLY LABELED FOR DEMOLITION/REMOVAL ON THIS DOCUMENT SHALL BE LEFT IN PLACE AND IN THEIR CURRENT STATE OF OPERATION. CONTACT ENGINEER WHEREVER CLARIFICATION IS NEEDED.
9. STRIP TOPSOIL WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE PROJECT MANUAL SPECIFICATIONS.
10. IF STRIPPED TOPSOIL IS STOCKPILED ON SITE, SILT FENCE SHALL BE INSTALLED AROUND THE BASE OF THE STOCKPILE TO PREVENT SEDIMENT TRANSPORT.
11. PRIOR TO PERFORMING WORK WITHIN PUBLIC RIGHT OF WAYS, NOTIFY AND COORDINATE WORK WITH THE LOCAL MUNICIPALITY.
12. MAINTAIN TRAFFIC CIRCULATION TO ALL NEIGHBORING PROPERTIES SHOWN ON THIS DOCUMENT, COORDINATE ALL WORK WITH NEIGHBORING PROPERTY OWNERS.

**KEYNOTES:**

1. SAWCUT EXISTING CONCRETE CURBING
2. REMOVE EXISTING CONCRETE CURBING
3. SAWCUT EXISTING ASPHALT PAVEMENT
4. SAWCUT EXISTING CONCRETE WALK
5. MAINTAIN EXISTING TREE (ANY BRANCHES NEEDED TO BE TRIMMED TO ALLOW FOR PROPER VERTICAL CLEARANCE FOR DEMOLITION AND CONSTRUCTION SHOULD BE DONE BY A PROFESSIONAL ARBORIST TO ENSURE NO DAMAGE TO TREE)
6. RELOCATE EXISTING TREE AND MEMORIAL PLAQUE. SEE SHEET C2.1 FOR LOCATION (COORDINATE W/ OWNER)
7. REMOVE EXISTING FENCE
8. REMOVE & SALVAGE EXISTING GAGA BALL PIT (REINSTALL AFTER CONSTRUCTION)
9. CLEAR & GRUB EXISTING TREE
10. REMOVE EXISTING BASKETBALL HOOPS
11. REMOVE EXISTING GOOSE NECK AND CONNECT UNDERGROUND (SEE SHEETS CS 0-C5.3 FOR DETAILS)
12. REMOVE EXISTING GRAVEL
13. REMOVE EXISTING PARKING LOT STRIPING (SEE SHEET C2.3 FOR PROPOSED STRIPING)

**DEMOLITION HATCH PATTERNS:**

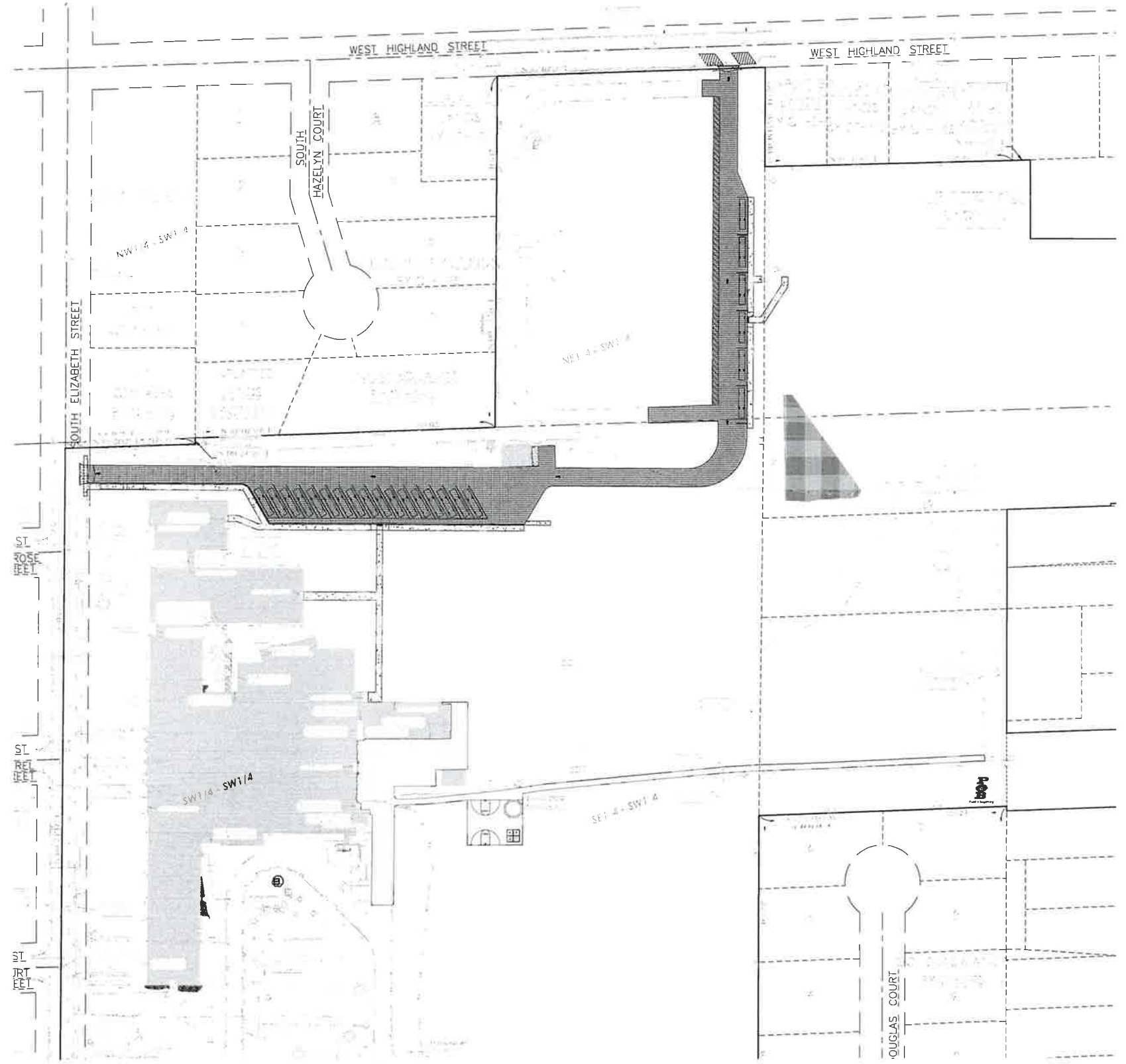


ISSUANCES + REVISIONS:

NO.	DATE	DESCRIPTION
1	12/19/2025	ISSUANCE (AS SHOWN ON)







**GENERAL NOTES:**

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. ALL REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
4. SEE SHEETS C4.0-C4.3 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
5. 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.
6. VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
7. BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
8. PRIOR TO STARTING WORK, VERIFY WITH THE LOCAL AUTHORITIES THAT ALL REQUIRED PERMITS HAVE BEEN ACQUIRED.
9. COORDINATE CONSTRUCTION IN THE RIGHT OF WAY WITH THE LOCAL AUTHORITIES.
10. PROVIDE PROPER BARRICADES, SIGNS, AND TRAFFIC CONTROL TO MAINTAIN THRU TRAFFIC ALONG ADJACENT STREETS IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS.
11. SIDEWALK JOINTS SHALL BE INSTALLED AS INDICATED/APPROVED BY THE CONSTRUCTION MANAGER.

**PAVEMENT HATCH PATTERNS:**

PROPOSED STANDARD DUTY ASPHALT PAVEMENT		1 C&D
PROPOSED HEAVY DUTY ASPHALT PAVEMENT		1 C&D
PROPOSED 4" CONCRETE PAVEMENT		2 C&D
PROPOSED 7" CONCRETE PAVEMENT		2 C&D

**BENCHMARK:**

ELEVATIONS ARE REFERENCED TO NAVD 83 DATUM.

**BENCHMARK #1**  
600 SPIKE ON NORTH SIDE OF POWER POLE.  
LOCATED APPROXIMATELY 70 FEET EAST OF THE EAST EDGE OF THE SALT SHED.  
ELEVATION = 564.45

**BENCHMARK #2**  
600 SPIKE ON SOUTH SIDE OF POWER POLE.  
LOCATED APPROXIMATELY 75 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MIDDLE SCHOOL BUILDING.  
ELEVATION = 671.44

**BENCHMARK #3**  
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST LAUREL STREET.  
ELEVATION = 616.20

**BENCHMARK #4**  
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET.  
ELEVATION = 577.61

**BENCHMARK #5**  
ARROW BOLT ON HYDRANT, LOCATED APPROXIMATELY 175 FEET NORTHEAST OF THE NORTHWEST CORNER OF THE WHITEWATER UNITED SCHOOL DISTRICT CENTRAL OFFICE BUILDING.  
ELEVATION = 666.34

**UTILITY DISCLAIMER:**

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOWN HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS - SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTION, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS PRIOR TO CONSTRUCTION. IN THE EVENT ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED OR MARKED DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS BY OTHERS AND/OR AS-BUILT PLANS, PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREIN IS RELIABLE AND GENERALLY ACCURATE, FOR THE PURPOSES INTENDED.



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Drawn: JCC - Checked: JJ



Project Title:  
**ADDITION AND RENOVATION  
WHITEWATER USD MIDDLE SCHOOL  
401 S ELIZABETH STREET  
WHITEWATER, WI 53190**

ISSUANCES • REVISIONS:

NO.	DATE	DESCRIPTION
1	01/02/2025	ADDENDUM #1

Issued for  
**CONSTRUCTION DOCUMENTS**

12/19/2025  
Project Number  
**3705**

Sheet Title  
**OVERALL LAYOUT PLAN**

Sheet Number

**C2.0**

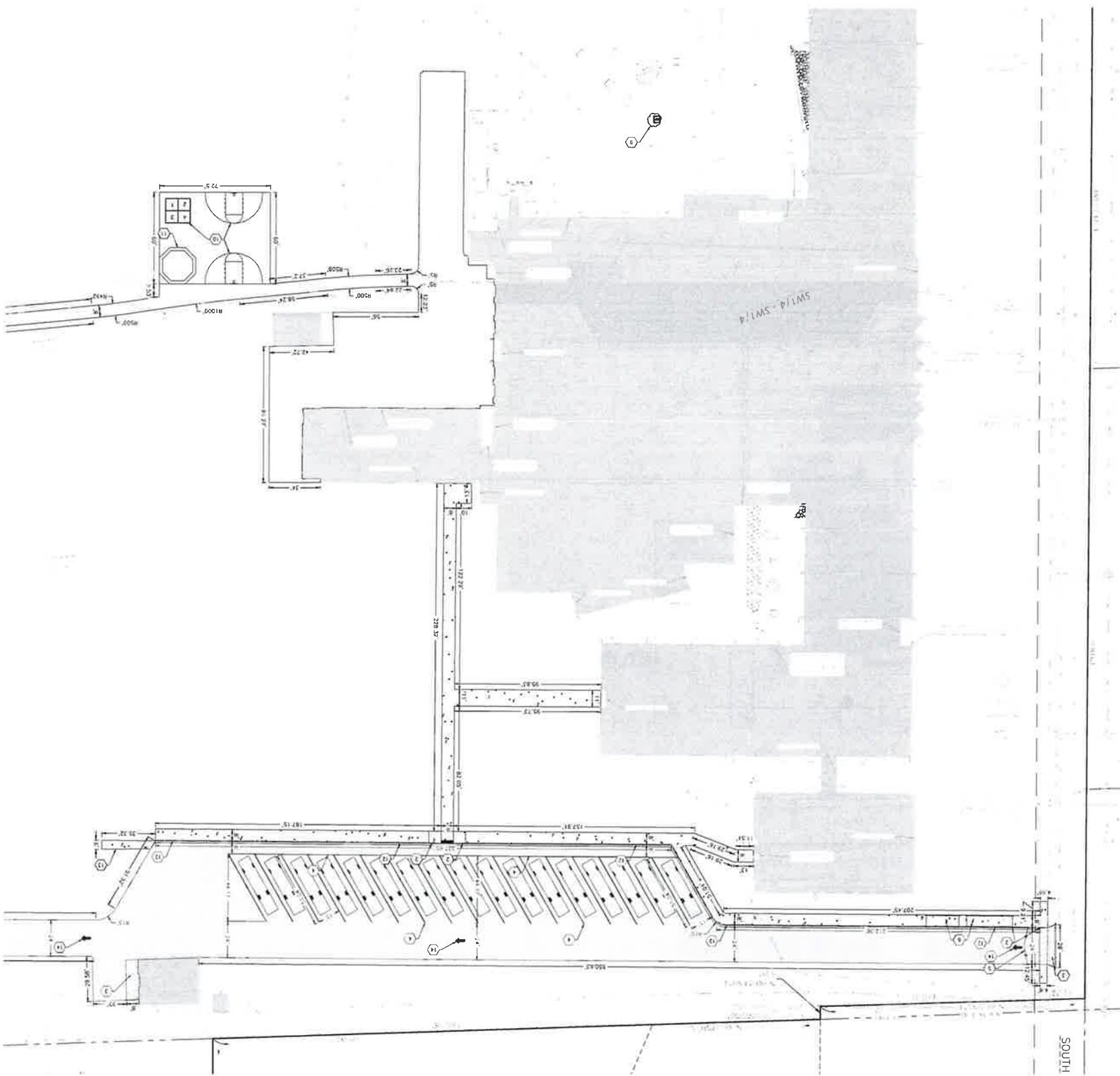


**BENCHMARK:**

ELVATIONS ARE REFERENCED TO MGS 29 DATUM  
 BENCHMARK #1  
 800 SHED ON NORTH SIDE OF  
 ASPHALT DRIVEWAY APPROXIMATELY 10 FEET  
 EAST OF THE INTERSECTION OF SOUTH  
 COURT STREET AND WEST  
 COURT STREET  
 ELEVATION = 877.61  
 BENCHMARK #2  
 800 SHED ON SOUTH SIDE OF  
 ASPHALT DRIVEWAY APPROXIMATELY 10 FEET  
 NORTH OF THE NORTH END OF  
 THE INTERSECTION OF SOUTH  
 COURT STREET AND WEST  
 COURT STREET  
 ELEVATION = 888.24  
 BENCHMARK #3  
 800 SHED ON WEST SIDE OF  
 THE INTERSECTION OF SOUTH  
 COURT STREET AND WEST  
 COURT STREET  
 ELEVATION = 871.44  
 BENCHMARK #4  
 800 SHED ON EAST SIDE OF  
 THE INTERSECTION OF SOUTH  
 COURT STREET AND WEST  
 COURT STREET  
 ELEVATION = 878.70  
 BENCHMARK #5  
 800 SHED ON WEST SIDE OF  
 THE INTERSECTION OF SOUTH  
 COURT STREET AND WEST  
 COURT STREET  
 ELEVATION = 878.70

**UTILITY DISCLAIMER:**

THE LOCATIONS, SIZES AND DEPTHS OF UNDEGROUND PUBLIC AND  
 PRIVATE UTILITIES OR SUBSTRUCTURES SHOWN HEREON WERE OBTAINED  
 FROM VARIOUS SOURCES AND FIELD SURVEYS. THE FIELD SURVEYS  
 WERE CONDUCTED IN THE VICINITY OF THE PROJECT. THE  
 ACCURACY OF THE INFORMATION IS NOT GUARANTEED. THE  
 CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH AND SIZE OF  
 ALL UTILITIES PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.  
 ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND  
 REINSTALLED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND  
 APPROVALS FROM THE LOCAL AUTHORITIES PRIOR TO THE START OF  
 CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH AND  
 SIZE OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY  
 PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES PRIOR TO THE  
 START OF CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATION,  
 DEPTH AND SIZE OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.  
 AND GENERALLY ACCOUNT FOR THE PURPOSE INDICATED.  
 UNLESS OTHERWISE SPECIFIED, THE INFORMATION CONTAINED HEREON IS BELIEVED  
 TO BE CORRECT AND ACCURATE TO THE BEST OF OUR KNOWLEDGE AND BELIEFS.  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DEPTH AND  
 SIZE OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.



**GENERAL NOTES:**

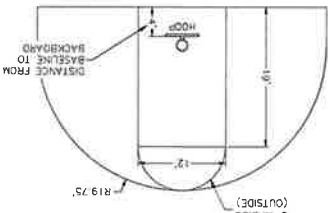
1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. ALL REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LOCAL MUNICIPAL OR STATE REQUIREMENTS.
4. SEE SHEETS CA-01-C4.3 FOR ALL REQUIRED EROSION CONTROL ELEVATIONS.
5. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND REINSTALLED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING UTILITIES PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
7. BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING UTILITIES PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
8. COORDINATE CONSTRUCTION IN THE RIGHT OF WAY WITH THE LOCAL AUTHORITIES.
9. PROVIDE PROPER BARRICADES, SIGNS, AND TRAFFIC CONTROL TO MAINTAIN TRAFFIC ALONG APPROACH STREETS IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS.
10. SIDEWALK JOISTS SHALL BE INSTALLED AS INDICATED/APPROVED BY THE CONSTRUCTION MANAGER.

**KEYNOTES:**

1. THICKENED EDGE WALK
2. THICKENED EDGE/CURB TAPER
3. CONCRETE DRIVEWAY APRON
4. PARKING LOT STRIPING
5. 2'x4' WIDE MANUAL DOUBLE SWING GATE
6. CONCRETE RAMP W/ RAILINGS
7. ACCESSIBLE CURB RAMP
8. PROPOSED SIGN NO PARKING BETWEEN SIGNS
9. PROPOSED LOCATION FOR MEDIAN PLANTING AND TREE (VERIFY LOCATION W/ OWNER)
10. PLAYGROUND PAVEMENT MARKING
11. RENTAL GAGA BALL PIT
12. 18" STANDARD CURB & GUTTER
13. CONCRETE FULINE
14. DIRECTIONAL ARROW
15. DO NOT ENTER SIGN

**PAVEMENT HATCH PATTERNS:**

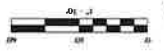
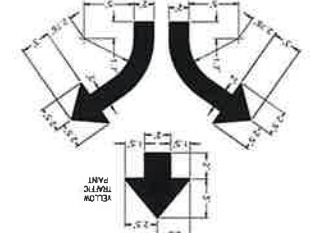
- PROPOSED STANDARD DUTY ASPHALT PAVEMENT
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT
- PROPOSED 4" CONCRETE PAVEMENT
- PROPOSED 7" CONCRETE PAVEMENT



- NOTES:**
1. ALL BASKETBALL COURT STRIPING LINES SHALL BE 2" WIDE.
  2. VERIFY ALL LINE STRIPING W/ OWNER.
  3. KEEPER GOALS KG-300 BASKETBALL POLE W/ KG475W BACKBOARD & KG-3A39 ULTIMATE RIM (OR APPROVED EQUALS).
  4. INSTALL BASKETBALL HOOP PER MANUFACTURER'S SPECIFICATIONS.

**BASKETBALL HOOP**

**DIRECTIONAL ARROW**



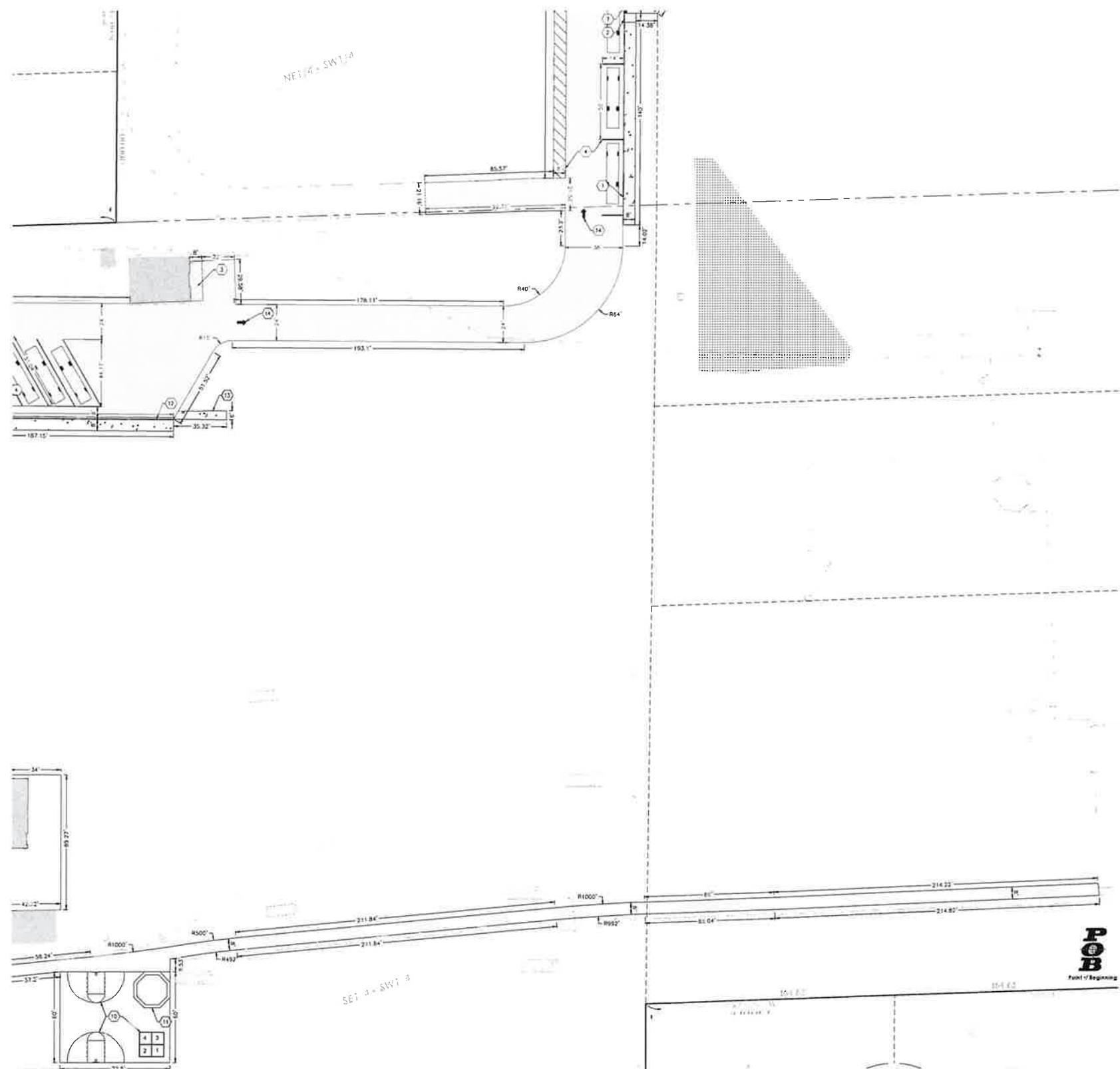
Sheet Number: **C2.1**  
 Project Number: **3705**  
 Date: **12/19/2025**  
 Title: **CONSTRUCTION DOCUMENTS**  
 Subject: **WEST LAYOUT PLAN**

Project Title:  
**ADDITION AND RENOVATION  
 WHITEWATER USD MIDDLE SCHOOL  
 401 S ELIZABETH STREET  
 WHITEWATER, WI 53190**

ENGINEERING DESIGN BY:  
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 Land Surveying  
 Landscape Architecture  
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 Fax: 715.344.9720  
 POB Project: 3705000  
 Drawn: JEE Checked: JL

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 Designer - Scott Paul  
 1 414.228.2002  
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 Milwaukee Wisconsin 53204

**BRAY**  
 ARCHITECTS



**BENCHMARK:**

ELEVATIONS ARE REFERENCED TO NAVD 89 DATUM

**BENCHMARK #1**  
600 SPK ON NORTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 70 FEET EAST OF THE EAST EDGE OF THE SALT 9400 COURT STREET. ELEVATION = 864.65

**BENCHMARK #2**  
600 SPK ON SOUTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 75 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MIDDLE SCHOOL BUILDING. ELEVATION = 871.44

**BENCHMARK #3**  
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST LAUREL STREET. ELEVATION = 678.20

**BENCHMARK #4**  
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET. ELEVATION = 877.61

**BENCHMARK #5**  
ARROW BOLT ON HYDRANT, LOCATED APPROXIMATELY 175 FEET NORTHEAST OF THE NORTHWEST CORNER OF THE WHITEWATER UNITED SCHOOL DISTRICT CENTRAL OFFICE BUILDING. ELEVATION = 868.34

**UTILITY DISCLAIMER:**

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOWN HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTION, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS PRIOR TO CONSTRUCTION. IF THE INVERTS OF ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBILITY THAT ADDITIONAL UTILITIES LINES NOT DISCOVERED, OR MARKED, DURING THE SEASON OF RECORD AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS BY OTHERS AND/OR AS-BUILT PLANS, PROVIDED BY OTHERS. POINT OF BEGINNING, MARKS, NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREON IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.

**GENERAL NOTES:**

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. ALL REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
4. SEE SHEETS C4-0-C4-3 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
5. 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.
6. VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
7. BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
8. PRIOR TO STARTING WORK, VERIFY WITH THE LOCAL AUTHORITIES THAT ALL REQUIRED PERMITS HAVE BEEN ACQUIRED.
9. COORDINATE CONSTRUCTION IN THE RIGHT OF WAY WITH THE LOCAL AUTHORITIES.
10. PROVIDE PROPER BARRICADES, SIGNS, AND TRAFFIC CONTROL TO MAINTAIN THRU TRAFFIC ALONG ADJACENT STREETS IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS.
11. SIDEWALK JOINTS SHALL BE INSTALLED AS INDICATED/APPROVED BY THE CONSTRUCTION MANAGER.

**KEYNOTES:**

1. THICKENED EDGE WALK
2. THICKENED EDGE/CURB TAPER
3. CONCRETE DRIVEWAY APRON
4. PARKING LOT STRIPING
5. 24' WIDE MANUAL DOUBLE SWING GATE
6. CONCRETE RAMP W/RAILINGS
7. ACCESSIBLE CURB RAMP
8. PROPOSED SIGN "NO PARKING BETWEEN SIGNS" (COORDINATE LOCATIONS W/ CITY)
9. PROPOSED LOCATION FOR MEMORIAL PLAQUE AND TREE (VERIFY LOCATION W/ OWNER)
10. PLAYGROUND PAVEMENT MARKING
11. REINSTALL GAGA BALL PIT
12. 18" STANDARD CURB & GUTTER
13. CONCRETE FLUME
14. DIRECTIONAL ARROW
15. "DO NOT ENTER" SIGN

**PAVEMENT HATCH PATTERNS:**

- PROPOSED STANDARD DUTY ASPHALT PAVEMENT
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT
- PROPOSED 4" CONCRETE PAVEMENT
- PROPOSED 7" CONCRETE PAVEMENT



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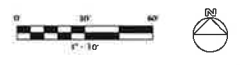
Project 14r  
ADDITION AND RENOVATION  
WHITEWATER USD MIDDLE SCHOOL  
401 S ELIZABETH STREET  
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

NO.	DATE	DESCRIPTION
1	01/19/25	ADDENDUM #1

Issued for  
**CONSTRUCTION DOCUMENTS**  
12/19/2025  
Project Number  
**3705**  
Sheet Title  
**SOUTH LAYOUT PLAN**  
Sheet Number

**C2.2**







**GENERAL NOTES:**

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL SHALL BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
4. 6" OF TOPSOIL SHALL BE PROVIDED IN ALL GENERAL LAWN AREAS AND 12" SHALL BE PROVIDED IN ALL PLANTING BED AREAS.
5. ALL GENERAL LANDSCAPE AREAS SHALL BE SEEDED, FERTILIZED, AND CRIMP HAY MULCHED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
6. SEE SHEET C&D FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
7. 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.
8. COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
9. PROVIDE RIP RAP AT ALL CULVERT OUTFLOW ENDWALL STRUCTURES TO PREVENT WASHOUT AND EROSION.
10. INSTALL WEDOT TYPE NR FILTER FABRIC BENEATH ALL RIP RAP.
11. EXCESS TOPSOIL SHALL BE REMOVED FROM SITE, UNLESS OTHERWISE DIRECTED BY THE OWNER COORDINATE WITH OWNER FOR LOCATION OF STOCKPILE. IF THE OWNER CHOOSES TO SALVAGE EXCESS TOPSOIL FOR FUTURE USE, SALT FENCE SHALL BE PLACED AROUND STOCKPILE.
12. THE ENGINEERED SOIL SHALL NOT BE PLACED IN THE BIOTENTION AREAS UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED. ALL CONSTRUCTION SITE SEDIMENT SHALL BE REMOVED FROM THE SUBGRADE OF THE BIOTENTION AREA PRIOR TO PLACEMENT OF THE ENGINEERED SOIL.
13. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
14. THE LOCAL MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY.
15. THE CONTRACTOR SHALL HAVE A TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING.

**GRADING LEGEND:**

EXISTING CONTOUR	---	712
PROPOSED CONTOUR	---	712
PROPOSED SPOT ELEVATION	○	857.0
PROPOSED ENDWALL INVERT ELEVATION	○	853.5
PROPOSED RIM ELEVATION	○	853.5
PROPOSED TOP OF CURB ELEVATION	○	853.5
PROPOSED FLOW LINE ELEVATION	○	853.5
TOP OF BERM ELEVATION	○	853.5
PROPOSED MATCH ELEVATION (CONTRACTOR TO VERIFY)	○	853.5
PROPOSED ENDWALL STRUCTURE	▽	7
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	▽	2
PROPOSED STORM SEWER MANHOLE	○	8
PROPOSED STORM SEWER INLET	○	8
PROPOSED STORM SEWER CONTROL STRUCTURE	○	9
PROPOSED STORM SEWER CLEANOUT	○	10
PROPOSED BIOTENTION BASIN	□	9

**BENCHMARK:**

ELEVATIONS ARE REFERENCED TO NAD83 DATUM.

**BENCHMARK #1**  
600 SPRIC ON NORTH SIDE OF POWERS POLE, LOCATED APPROXIMATELY 70 FEET EAST OF THE EAST EDGE OF THE SALT SHED ELEVATION = 864.65

**BENCHMARK #2**  
600 SPRIC ON SOUTH SIDE OF POWERS POLE, LOCATED APPROXIMATELY 70 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MIDDLE SCHOOL BUILDING ELEVATION = 851.14

**BENCHMARK #3**  
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH CLARENCE STREET AND WEST LAUREL STREET ELEVATION = 818.20

**BENCHMARK #4**  
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET ELEVATION = 877.61

**BENCHMARK #5**  
ARROW BOLT ON HYDRANT, LOCATED APPROXIMATELY 125 FEET NORTHWEST CORNER OF THE WHITEWATER UNITED SCHOOL DISTRICT CENTRAL OFFICE BUILDING ELEVATION = 868.34

**UTILITY DISCLAIMER:**

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOWN HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTIONS, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS PRIOR TO CONSTRUCTION. IN THE VICINITY OF ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED OR MARKED DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS BY OTHERS AND/OR AS-BUILT PLANS, PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREON IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.



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Robert J. Bray, P.E.  
Civil Engineer, Wisconsin  
Robert J. Bray, P.E.  
Civil Engineer, Wisconsin



Project Title  
**ADDITION AND RENOVATION  
WHITWATER USD MIDDLE SCHOOL  
401 S ELIZABETH STREET  
WHITWATER, WI 53190**

ISSUANCES + REVISIONS:

NO.	DATE	DESCRIPTION
1	12/19/2025	ADDCS0101

Issued for  
**CONSTRUCTION DOCUMENTS**

12/19/2025  
Project Number  
**3705**

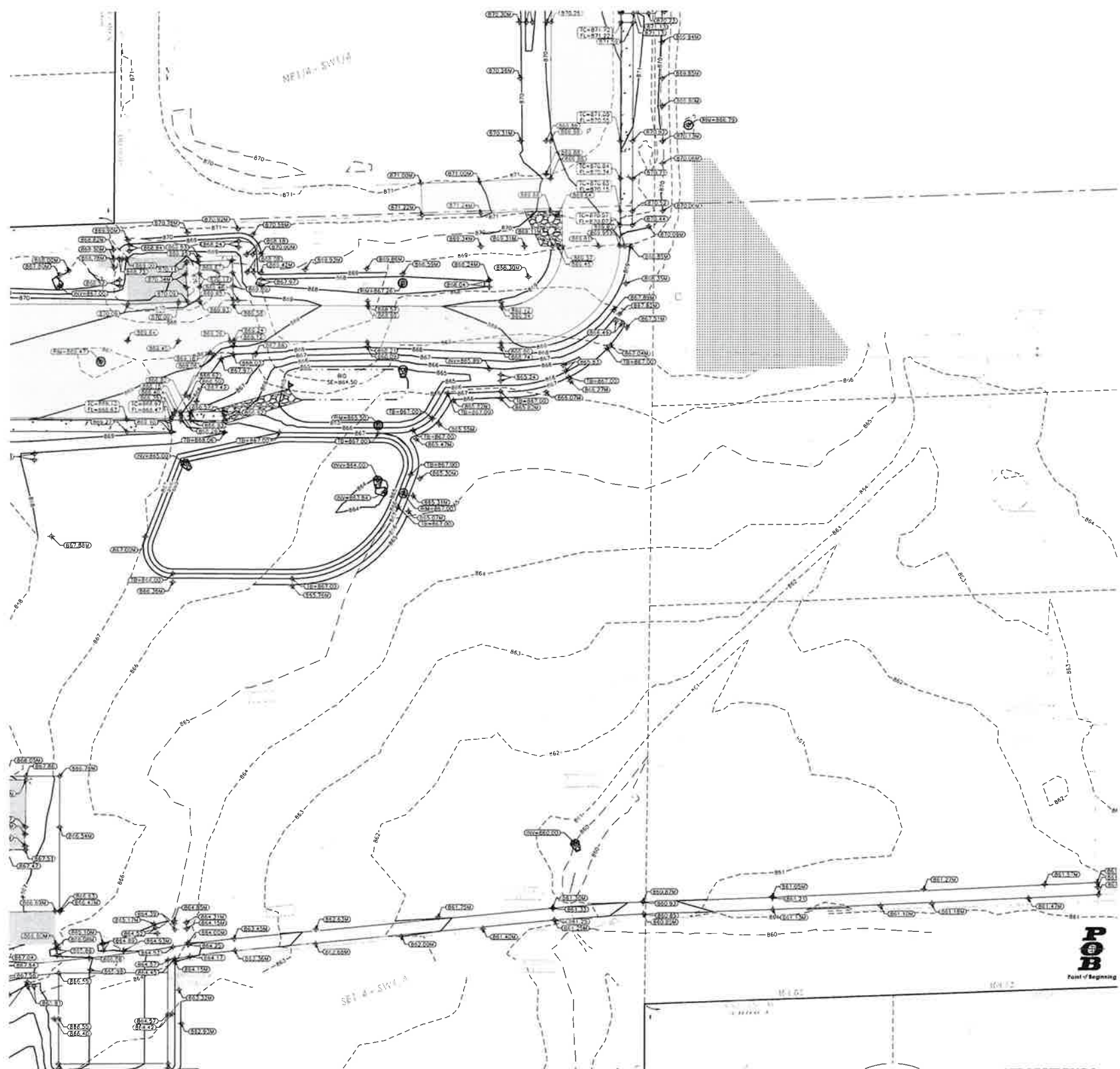
Sheet Title  
**OVERALL GRADING PLAN**

Sheet Number

**C3.0**







**GENERAL NOTES:**

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL SHALL BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
4. 6" OF TOPSOIL SHALL BE PROVIDED IN ALL GENERAL LAWN AREAS AND 12" SHALL BE PROVIDED IN ALL PLANTING BED AREAS.
5. ALL GENERAL LANDSCAPE AREAS SHALL BE SEEDED, FERTILIZED, AND CRIMP HAY MULCHED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
6. SEE SHEET C4.0 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
7. 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.
8. COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
9. PROVIDE RIP RAP AT ALL CULVERT OUTFLOW ENDWALL STRUCTURES TO PREVENT WASH-OUT AND EROSION.
10. INSTALL W/DOOT TYPE HR FILTER FABRIC BENEATH ALL RIP RAP.
11. EXCESS TOPSOIL SHALL BE REMOVED FROM SITE, UNLESS OTHERWISE DIRECTED BY THE OWNER COORDINATE WITH OWNER FOR LOCATION OF STOCKPILE IF THE OWNER CHOOSES TO SALVAGE EXCESS TOPSOIL FOR FUTURE USE. SILT FENCE SHALL BE PLACED AROUND STOCKPILE.
12. THE ENGINEERED SOIL SHALL NOT BE PLACED IN THE BIORETENTION AREAS UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED. ALL CONSTRUCTION SITE SEDIMENT SHALL BE REMOVED FROM THE SUBGRADE OF THE BIORETENTION AREA PRIOR TO PLACEMENT OF THE ENGINEERED SOIL.
13. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
14. THE LOCAL MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY.
15. THE CONTRACTOR SHALL HAVE A TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING.

**GRADING LEGEND:**

EXISTING CONTOUR	---	710
PROPOSED CONTOUR	---	710
PROPOSED SPOT ELEVATION	○	692.70
PROPOSED ENDWALL INVERT ELEVATION	○	692.20
PROPOSED RIM ELEVATION	○	693.50
PROPOSED TOP OF CURB ELEVATION	○	693.50
PROPOSED FLOW LINE ELEVATION	○	693.50
TOP OF BERM ELEVATION	○	693.50
PROPOSED MATCH ELEVATION (CONTRACTOR TO VERIFY)	○	692.00
PROPOSED ENDWALL STRUCTURE	▽	7
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	▽	2
PROPOSED STORM SEWER MANHOLE	⊕	6
PROPOSED STORM SEWER INLET	⊕	8
PROPOSED STORM SEWER CONTROL STRUCTURE	⊕	9
PROPOSED STORM SEWER CLEANOUT	⊕	16
PROPOSED BIORETENTION BASIN	□	9

**BENCHMARK:**

ELEVATIONS ARE REFERENCED TO MIND 28 DATUM

**BENCHMARK #1**  
ROD SPIKE ON NORTH SIDE OF POWER POLE  
LOCATED APPROXIMATELY 70 FEET EAST OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET  
ELEVATION = 864.65

**BENCHMARK #2**  
ROD SPIKE ON SOUTH SIDE OF POWER POLE  
LOCATED APPROXIMATELY 75 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MIDDLE SCHOOL BUILDING  
ELEVATION = 871.44

**BENCHMARK #3**  
ARROW BOLT ON HYDRANT  
LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST LAUREL STREET  
ELEVATION = 878.20

**BENCHMARK #4**  
ARROW BOLT ON HYDRANT  
LOCATED APPROXIMATELY 175 FEET NORTH-EAST OF THE NORTHWEST CORNER OF THE WHITEWATER UNITED SCHOOL DISTRICT CENTRAL OFFICE BUILDING  
ELEVATION = 868.34

**UTILITY DISCLAIMER:**

THE LOCATIONS, SIZES AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOWN HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTIONS AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON. IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED, OR MARKED, DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY. ANY EXCAVATION PRIOR TO CONSTRUCTION USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS BY OTHERS AND/OR AS-BUILT PLANS. PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON AND BELIEVES THAT THE INFORMATION CONTAINED HEREON IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.



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Project for  
**ADDITION AND RENOVATION  
WHITEWATER USD MIDDLE SCHOOL  
401 S ELIZABETH STREET  
WHITEWATER, WI 53190**

ISSUANCES + REVISIONS:

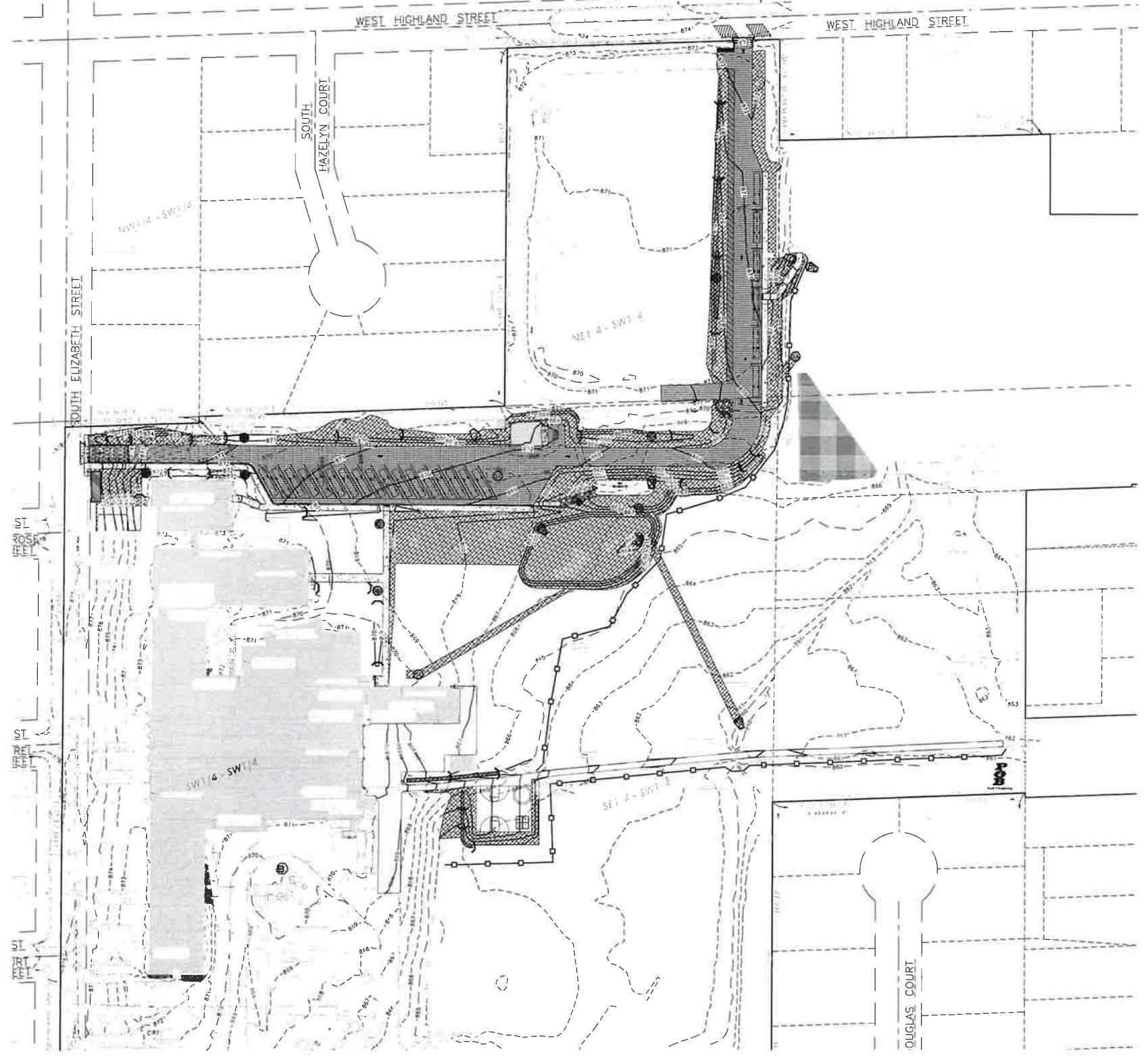
DATE	DESCRIPTION
11/20/2024	ADDENDUM #1

Issued for  
**CONSTRUCTION DOCUMENTS**  
12/18/2025  
Project Number  
**3705**  
Sheet Title  
**SOUTH GRADING PLAN**  
Sheet Number

**C3.2**







**GENERAL NOTES:**

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. NOTIFY THE LOCAL MUNICIPALITY AT LEAST 2 WORKING DAYS PRIOR TO THE START OF SOIL DISTURBING ACTIVITIES.
3. INSTALL ALL TEMPORARY EROSION CONTROL ELEMENTS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
4. ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
5. CRUSHED ROCK DRIVES FOR SEDIMENT TRACKING UTILIZING 3" CRUSHED ROCK SHALL BE MAINTAINED AT ALL CONSTRUCTION ENTRANCES TO THE SITE. THE ROCK DRIVE SHALL BE A MINIMUM OF 12" THICK AND BE A MINIMUM OF 50 FEET IN LENGTH BY THE WIDTH OF THE DRIVEWAY.
6. OFF-SITE SEDIMENT DEPOSITS RESULTING FROM STORMWATER RUNOFF SHALL BE CLEANED BY THE END OF THE NEXT WORKDAY. OFF-SITE SEDIMENT DEPOSITS RESULTING FROM CONTRACTOR ACTIVITIES, INCLUDING SOIL TRACKING, SHALL BE CLEANED EACH WORKDAY. EXCESSIVE AMOUNTS OF SEDIMENT OR DEBRIS TRACKED ONTO ADJACENT STREETS SHALL BE CLEANED IMMEDIATELY. FINE SEDIMENT ACCUMULATIONS ON ADJACENT STREETS SHALL SWEEP MECHANICALLY OR MANUALLY AT LEAST WEEKLY AND BEFORE IMMINENT RAINFALL.
7. 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.
8. WASTE MATERIAL THAT IS GENERATED ON THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO RECEIVING WATERS.
9. EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF EACH WORK DAY.
10. 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 SUBMITTED BY THE PROJECT CIVIL ENGINEER.
11. ALL TEMPORARY EROSION CONTROL ELEMENTS SHALL REMAIN IN PLACE UNTIL A SUFFICIENT GROWTH OF VEGETATION IS ESTABLISHED AND THEN BE REMOVED AS PART OF THE BASE BID.
12. IF SEDIMENT LADEN WATER NEEDS TO BE REMOVED FROM THE SITE, FILTER BAGS OR SCREENING SHALL BE USED IN ACCORDANCE WITH WI DNR TECHNICAL STANDARD 1061 TO PREVENT SEDIMENT DISCHARGE TO THE MAXIMUM EXTENT PRACTICABLE.
13. COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
14. PROVIDE RIP RAP AT ALL CULVERT OUTFLOW ENDWALL STRUCTURES TO PREVENT WASHOUT AND EROSION.
15. INSTALL WEDGE TYPE RIP FILTER FABRIC BENEATH ALL RIP RAP.
16. IF BARE SOIL IS EXPOSED DURING THE WINTER MONTHS, STABILIZATION BY MULCHING OR ANIONIC POLYACRYLAMIDE SHALL OCCUR PRIOR TO SNOWFALL OR GROUND FREEZE.
17. SILT FENCE SHALL BE INSTALLED AROUND THE TOPSOIL STOCKPILE.
18. SILT FENCE SHALL BE INSTALLED AROUND THE BIO-RETENTION AREA IMMEDIATELY FOLLOWING INSTALLATION OF THE ENGINEERED SOIL TO PROTECT IT FROM SILT CONTAMINATION.
19. THE ENGINEERED SOIL SHALL NOT BE PLACED IN THE BIO-RETENTION AREAS UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED. ALL CONSTRUCTION SITE SEDIMENT SHALL BE REMOVED FROM THE SUBGRADE OF THE BIO-RETENTION AREA PRIOR TO PLACEMENT OF THE ENGINEERED SOIL.
20. THE CONTRACTOR SHALL PERFORM INSPECTIONS AND MONITORING OF EROSION CONTROL PRACTICES IN ACCORDANCE WITH THE WI DNR "CONSTRUCTION SITE INSPECTION REPORT" FORM 3400-187. THIS FORM CAN BE FOUND IN THE CONSTRUCTION SPECIFICATIONS.

**EROSION CONTROL LEGEND:**

EXISTING CONTOUR	---	10	10
PROPOSED CONTOUR	---	CE 0	11
PROPOSED SILT FENCE	—○—	1	EA 0
PROPOSED INLET PROTECTION	◆	1	EA 1
EROSION CONTROL BLANKET	[Cross-hatch pattern]	1	CE 1
EROSION CONTROL BLANKET (CHANNEL FLOW)	[Diagonal hatch pattern]	1	CE 1
ROCK CONSTRUCTION ENTRANCE	[Rock pattern]	1	CE 1
TEMPORARY DITCH CHECK	—V—	2	CE 1
RIP RAP AREA	[Rip rap pattern]	2	CE 1
CONCRETE WASHOUT AREA	[Concrete pattern]	4	CE 1

**EROSION CONTROL SEQUENCING:**

1. INSTALL PERIMETER EROSION CONTROL.
2. EXCAVATE A TEMPORARY SEDIMENT TRAP AT THE PROPOSED BIO-RETENTION AREA IN ACCORDANCE WITH DNR TECHNICAL STANDARD 1063.
  - 2.1. SEDIMENT TRAP BASIN BOTTOM ELEVATION SHALL BE CONSISTENT WITH THE BOTTOM DESIGN ELEVATION OF THE BIO-RETENTION BASIN. SEE DETAIL.
  - 2.2. INSTALL STONE OUTLET/OVERFLOW WEIR WHEREVER INDICATED ON PLANS.
  - 2.3. EXCAVATE TEMPORARY SWALES AWAY FROM THE BASIN TO DIRECT AND MAXIMIZE STORMWATER RUNOFF TO THIS BASIN DURING CONSTRUCTION.
3. BEGIN DEMOLITION.
4. BEGIN ROUGH GRADING AND UTILITY INSTALLATION.
5. DURING GRADING ACTIVITIES EXISTING GRASS AND VEGETATION, TO BE REMOVED, SHALL REMAIN IN PLACE FOR AS LONG AS POSSIBLE, TO AVOID SEDIMENT TRANSPORT.
6. TEMPORARY STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
7. FINAL STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING ACTIVITIES CEASE AND FINAL GRADE HAS BEEN REACHED ON ANY PORTION OF THE SITE.
8. PER GENERAL NOTE #19, THE SEDIMENT TRAP SHALL BE RECONSTRUCTED INTO THE PROPOSED BIO-RETENTION AREA AFTER THE SURROUNDING AREA HAS BEEN FULLY STABILIZED.
- 8.1. ANY CONSTRUCTION SITE SEDIMENT BUILD UP SHALL BE REMOVED FROM THE PROPOSED BIO-RETENTION BASIN BEFORE EXCAVATION TO THE FINAL DEPTH AND INSTALLATION OF THE ENGINEERED SOIL.
9. IF DISTURBED AREAS MUST BE LEFT OVER WINTER, AN ANIONIC POLYACRYLAMIDE SHALL BE APPLIED TO ALL DISTURBED AREAS PRIOR TO GROUND FREEZE. SEE SPECIFICATIONS FOR DETAILS.

**BENCHMARK:**

ELEVATIONS ARE REFERENCED TO NAD83 DATUM.

**BENCHMARK #1**  
BID SPIKE ON NORTH SIDE OF POWER POLE.  
LOCATED APPROXIMATELY 70 FEET EAST OF THE EAST EDGE OF THE SALT SHED.  
ELEVATION = 804.55

**BENCHMARK #2**  
BID SPIKE ON SOUTH SIDE OF POWER POLE.  
LOCATED APPROXIMATELY 75 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MIDDLE SCHOOL BUILDING.  
ELEVATION = 871.44

**BENCHMARK #3**  
ARROW BOLT ON HYDRANT.  
LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST LAUREL STREET.  
ELEVATION = 818.20

**BENCHMARK #4**  
ARROW BOLT ON HYDRANT.  
LOCATED APPROXIMATELY 125 FEET NORTH-EAST OF THE NORTHWEST CORNER OF THE WHITEWATER UNITED SCHOOL DISTRICT CENTRAL OFFICE BUILDING.  
ELEVATION = 878.34

**UTILITY DISCLAIMER:**

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POB Project: 18.0887  
Dawn J. J.A. Crickel, J.A.

ENGINEERING DESIGN BY: **POB**  
Point of Beginning

Project Title:  
**ADDITION AND RENOVATION  
OF WHITEWATER USD MIDDLE SCHOOL  
401 S ELIZABETH STREET  
WHITEWATER, WI 53190**

ISSUANCES + REVISIONS:

NO.	DATE	DESCRIPTION
1	12/19/2025	ISSUANCE (ADDENDUM #1)

Issued for  
**CONSTRUCTION DOCUMENTS**

12/19/2025

Project Number  
**3705**

Sheet Title  
**OVERALL EROSION CONTROL PLAN**

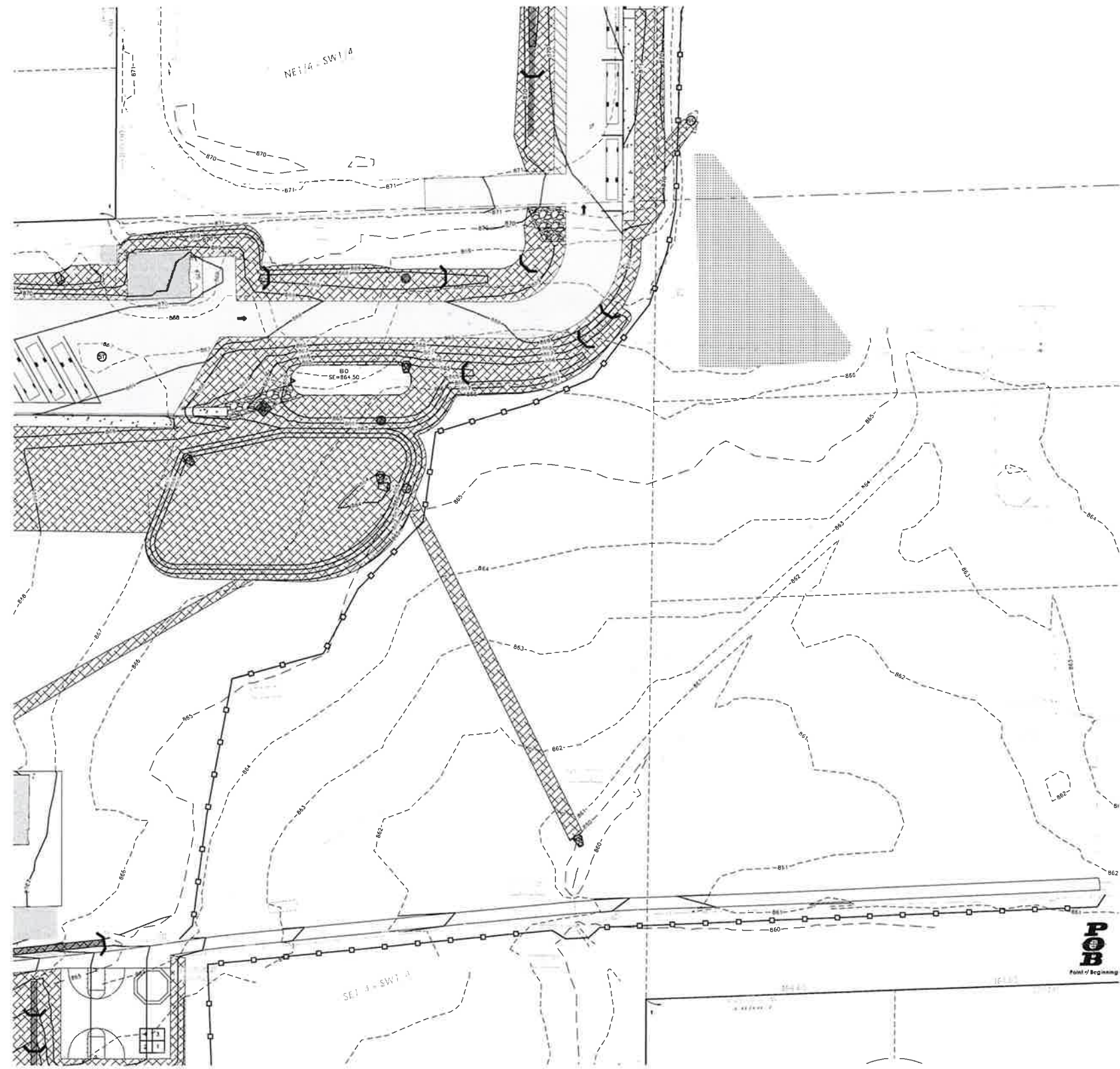
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**BENCHMARK:**

ELEVATIONS ARE REFERENCED TO MDSO 28 DATUM.

**BENCHMARK #1**  
800 SPIKE ON NORTH SIDE OF POWER POLE.  
LOCATED APPROXIMATELY 70 FEET EAST OF THE EAST EDGE OF THE SALT SHED.  
ELEVATION = 884.68

**BENCHMARK #2**  
800 SPIKE ON SOUTH SIDE OF POWER POLE.  
LOCATED APPROXIMATELY 75 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MODEL SCHOOL BUILDING.  
ELEVATION = 881.44

**BENCHMARK #3**  
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST LAUREL STREET.  
ELEVATION = 878.20

**BENCHMARK #4**  
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET.  
ELEVATION = 877.51

**BENCHMARK #5**  
ARROW BOLT ON HYDRANT, LOCATED APPROXIMATELY 175 FEET NORTHWEST OF THE NORTHWEST CORNER OF THE WHITEWATER UNITED SCHOOL DISTRICT CENTRAL OFFICE BUILDING.  
ELEVATION = 888.34

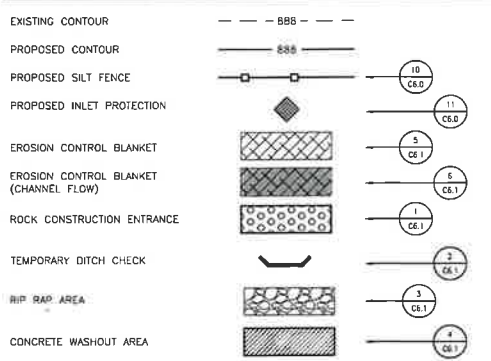
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**GENERAL NOTES:**

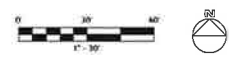
- CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
- NOTIFY THE LOCAL MUNICIPALITY AT LEAST 2 WORKING DAYS PRIOR TO THE START OF SOIL DISTURBING ACTIVITIES.
- INSTALL ALL TEMPORARY EROSION CONTROL ELEMENTS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
- ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
- CRUSHED ROCK DRIVES FOR SEDIMENT TRACKING UTILIZING 3" CRUSHED ROCK SHALL BE MAINTAINED AT ALL CONSTRUCTION ENTRANCES TO THE SITE. THE ROCK DRIVE SHALL BE A MINIMUM OF 12" THICK AND BE A MINIMUM OF 50 FEET IN LENGTH BY THE WIDTH OF THE DRIVEWAY.
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- 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.
- WASTE MATERIAL THAT IS GENERATED ON THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO RECEIVING WATERS.
- EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF EACH WORK DAY.
- 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 SUBMITTED BY THE PROJECT CIVIL ENGINEER.
- ALL TEMPORARY EROSION CONTROL ELEMENTS SHALL REMAIN IN PLACE UNTIL A SUFFICIENT GROWTH OF VEGETATION IS ESTABLISHED AND THEN BE REMOVED AS PART OF THE BASE BID.
- IF SEDIMENT LADEN WATER NEEDS TO BE REMOVED FROM THE SITE, FILTER BAGS OR SCREENING SHALL BE USED IN ACCORDANCE WITH WI DNR TECHNICAL STANDARD 1061 TO PREVENT SEDIMENT DISCHARGE TO THE MAXIMUM EXTENT PRACTICABLE.
- COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
- PROVIDE RIP RAP AT ALL CULVERT OUTFLOW ENDWALL STRUCTURES TO PREVENT WASH-OUT AND EROSION.
- INSTALL WIDEST TYPE FILTER FABRIC BENEATH ALL RIP RAP.
- IF BARE SOIL IS EXPOSED DURING THE WINTER MONTHS, STABILIZATION BY MULCHING OR ANIONIC POLYACRYLAMIDE SHALL OCCUR PRIOR TO SNOWFALL OR GROUND FREEZE.
- SILT FENCE SHALL BE INSTALLED AROUND THE TOPSOIL STOCKPILE.
- SILT FENCE SHALL BE INSTALLED AROUND THE BIO-RETENTION AREA IMMEDIATELY FOLLOWING INSTALLATION OF THE ENGINEERED SOIL TO PROTECT IT FROM SILT CONTAMINATION.
- THE ENGINEERED SOIL SHALL NOT BE PLACED IN THE BIO-RETENTION AREAS UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED. ALL CONSTRUCTION SITE SEDIMENT SHALL BE REMOVED FROM THE SUBGRADE OF THE BIO-RETENTION AREA PRIOR TO PLACEMENT OF THE ENGINEERED SOIL.
- THE CONTRACTOR SHALL PERFORM INSPECTIONS AND MONITORING OF EROSION CONTROL PRACTICES IN ACCORDANCE WITH THE WI DNR "CONSTRUCTION SITE INSPECTION REPORT" FORM 3400-187. THIS FORM CAN BE FOUND IN THE CONSTRUCTION SPECIFICATIONS.

**EROSION CONTROL LEGEND:**



**EROSION CONTROL SEQUENCING:**

- INSTALL PERIMETER EROSION CONTROL.
- EXCAVATE A TEMPORARY SEDIMENT TRAP AT THE PROPOSED BIO-RETENTION AREA IN ACCORDANCE WITH DNR TECHNICAL STANDARD 1061.
- SEDIMENT TRAP BASIN BOTTOM ELEVATION SHALL BE CONSISTENT WITH THE BOTTOM DESIGN ELEVATION OF THE BIO-RETENTION BASIN. SEE DETAIL.
- INSTALL STONE OUTLET/OVERFLOW WEIR WHEREVER INDICATED ON PLANS.
- EXCAVATE TEMPORARY SWALES AWAY FROM THE BASIN TO DIRECT AND MAXIMIZE STORMWATER RUNOFF TO THIS BASIN DURING CONSTRUCTION.
- BEGIN DEMOLITION.
- BEGIN ROUGH GRADING AND UTILITY INSTALLATION.
- DURING GRADING ACTIVITIES EXISTING GRASS AND VEGETATION, TO BE REMOVED, SHALL REMAIN IN PLACE FOR AS LONG AS POSSIBLE, TO AVOID SEDIMENT TRANSPORT.
- TEMPORARY STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
- FINAL STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING ACTIVITIES CEASE AND FINAL GRADE HAS BEEN REACHED ON ANY PORTION OF THE SITE.
- PER GENERAL NOTE #19, THE SEDIMENT TRAP SHALL BE RECONSTRUCTED INTO THE PROPOSED BIO-RETENTION AREA AFTER THE SURROUNDING AREA HAS BEEN FULLY STABILIZED.
- ANY CONSTRUCTION SITE SEDIMENT BUILD UP SHALL BE REMOVED FROM THE PROPOSED BIO-RETENTION BASIN BEFORE EXCAVATION TO THE FINAL DEPTH AND INSTALLATION OF THE ENGINEERED SOIL.
- IF DISTURBED AREAS MUST BE LEFT OVER WINTER, AN ANIONIC POLYACRYLAMIDE SHALL BE APPLIED TO ALL DISTURBED AREAS PRIOR TO GROUND FREEZE. SEE SPECIFICATIONS FOR DETAILS.



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Project #18  
**ADDITION AND RENOVATION  
WHITEWATER USD MIDDLE SCHOOL  
401 S ELIZABETH STREET  
WHITEWATER, WI 53190**

ISSUANCES + REVISIONS:

NO.	DATE	DESCRIPTION
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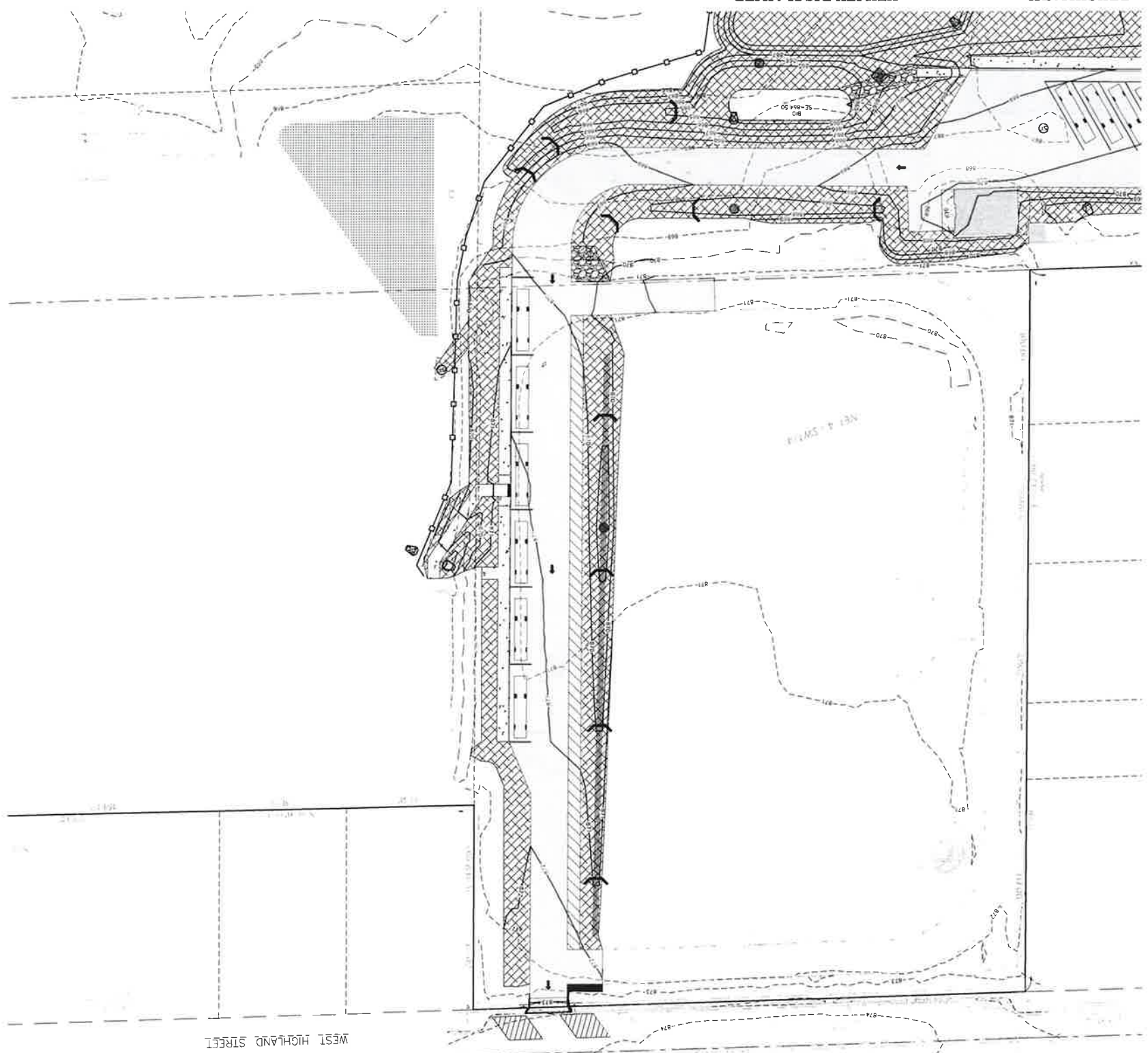
Issued for  
**CONSTRUCTION  
DOCUMENTS**  
12/19/2025

Project Number  
**3705**

Sheet Title  
**SOUTH  
EROSION  
CONTROL  
PLAN**

Sheet Number

**C4.2**

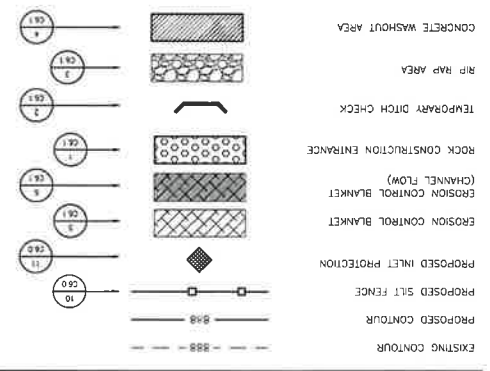


**BENCHMARK:**  
**UTILITY DISCLAIMER:**

CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.  
 1. CONTRACTOR SHALL MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME.  
 2. NOTIFY THE LOCAL MUNICIPALITY AT LEAST 2 WORKING DAYS PRIOR TO THE START OF SOIL DISTURBING ACTIVITIES.  
 3. INSTALL ALL TEMPORARY EROSION CONTROL ELEMENTS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.  
 4. ALL ACTIVITIES SHALL BE CONDUCTED IN A LOCAL SEQUENCE TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME.  
 5. CRUSHED ROCK DRIVES FOR SEDIMENT TRAPPING UTILIZING 3" CRUSHED ROCK SHALL BE MAINTAINED AT ALL CONSTRUCTION ENTRANCES TO THE SITE. THE ROCK DRIVE SHALL BE A MINIMUM OF 12" THICK AND BE A MINIMUM OF 50 FEET IN LENGTH BY THE DRIVEWAY.  
 6. OFFSITE SEDIMENT DEPOSITS RESULTING FROM CONSTRUCTION ACTIVITIES, INCLUDING SOIL TRACKING, SHALL BE CLEANED FROM WORKING AREAS OF EXPOSED DRIVEWAYS AND ADJACENT STREETS. SWEEP MECHANICALLY OR MANUALLY AT LEAST WEEKLY AND BEFORE IMMINENT RAINFALL.  
 7. ACTIVE FOR MORE THAN 7 DAYS SHALL BE TEMPORARILY STABILIZED BY SEEDING/MULCHING OR OTHER APPROVED METHODS.  
 8. WASTE MATERIAL THAT IS GENERATED ON THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO RECEIVING WATERS.  
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 10. 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 SUBMITTED BY THE PROJECT CIVIL ENGINEER.  
 11. ALL TEMPORARY EROSION CONTROL ELEMENTS SHALL REMAIN IN PLACE UNTIL A SUFFICIENT GROWTH OF VEGETATION IS ESTABLISHED AND THEN BE REMOVED AS PART OF THE BASE BID.  
 12. SEDIMENT LADEN WATER NEEDS TO BE REMOVED FROM THE SITE. FILTER BAGS OR SCREENING SHALL BE USED IN CONNECTION WITH ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAN SERVICES, SITE LIGHTING, CONDITORS AND SPOKES).  
 13. COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAN SERVICES, SITE LIGHTING, CONDITORS AND SPOKES).  
 14. PROVIDE RIP RAP AT ALL CULVERT OUTFLOW ENTAILMENTS TO PREVENT WASHOUT AND EROSION.  
 15. INSTALL WOOD TYPE RIP RAP FILTER FABRIC BENEATH ALL RIP RAP.  
 16. FENCE SOIL IS TO BE INSTALLED DURING THE MONTHS STABILIZATION BY MULCHING OR ANONIC POLYPROPYLENE SHALL OCCUR PRIOR TO SHOWING OR AROUND THE FENCE.  
 17. SILT FENCE SHALL BE INSTALLED AROUND THE TOPSOIL STOCKPILE.  
 18. SILT FENCE SHALL BE INSTALLED AROUND THE BI-O-RETENTION AREA IMMEDIATELY FOLLOWING INSTALLATION OF THE ENGINEERED SOIL TO PROTECT IT FROM SILT CONTAMINATION.  
 19. THE ENGINEERED SOIL SHALL NOT BE PLACED IN THE BI-O-RETENTION AREAS UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED. ALL CONSTRUCTION SHALL BE REMOVED FROM THE SURGRADE OF THE BI-O-RETENTION AREA PRIOR TO REPAIRMENT OF THE ENGINEERED SOIL.  
 20. THE CONTRACTOR SHALL PERFORM INSPECTIONS AND MONITORING OF EROSION CONTROL PRACTICES IN ACCORDANCE WITH THE BI-O-RETENTION AREA PRIOR TO REPAIRMENT OF THE ENGINEERED SOIL.  
 21. CONSTRUCTION SHALL BE REMOVED FROM THE SURGRADE OF THE BI-O-RETENTION AREA UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED.  
 22. INSTALL STONE OUTLET/OVERFLOW WEIR WHEREVER INDICATED ON PLANS.  
 23. STORMWATER RUNOFF TO THIS BASIN DURING CONSTRUCTION.  
 24. BEGAIN DEMOLITION AND UTILITY INSTALLATION.  
 25. DURING DEMOLITION ACTIVITIES EXISTING GRASS AND VEGETATION TO BE REMOVED, SHALL REMAIN IN PLACE FOR AS LONG AS POSSIBLE TO AVOID SEDIMENT TRANSPORT.  
 26. TEMPORARY STABILIZATION ACTIVITIES SHALL COMMENCE WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES HAVE CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.  
 27. FINAL STABILIZATION ACTIVITIES SHALL COMMENCE WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES CEASE.  
 28. PER GENERAL NOTE #19, THE SEDIMENT TRAP SHALL BE RECONSTRUCTED INTO THE PROPOSED BI-O-RETENTION AREA AFTER THE SURROUNDING AREA HAS BEEN FULLY STABILIZED.  
 29. ANY CONSTRUCTION SITE SEDIMENT BUILD UP SHALL BE REMOVED FROM THE PROPOSED BI-O-RETENTION BASIN BEFORE EXCAVATION TO THE FINAL DEPTH AND THE RESTORATION OF THE ENGINEERED SOIL.  
 30. IF APPLIED TO ALL DISTURBED AREAS PRIOR TO GROUND FREEZE. SEE SPECIFICATIONS FOR DETAILS.

**EROSION CONTROL SEQUENCING:**

1. INSTALL PERMITS EROSION CONTROL.
2. EXCAVATE A TEMPORARY SEDIMENT TRAP AT THE PROPOSED BI-O-RETENTION AREA IN ACCORDANCE WITH OUR TECHNICAL STANDARD 1063.
- 2.1. SEDIMENT TRAP BASIN BOTTOM ELEVATION SHALL BE CONSISTENT WITH THE BOTTOM DESIGN ELEVATION OF THE BI-O-RETENTION BASIN. SEE DETAIL.
- 2.2. INSTALL STONE OUTLET/OVERFLOW WEIR WHEREVER INDICATED ON PLANS.
- 2.3. STORMWATER RUNOFF TO THIS BASIN DURING CONSTRUCTION.
3. BEGAIN DEMOLITION AND UTILITY INSTALLATION.
4. DURING DEMOLITION ACTIVITIES EXISTING GRASS AND VEGETATION TO BE REMOVED, SHALL REMAIN IN PLACE FOR AS LONG AS POSSIBLE TO AVOID SEDIMENT TRANSPORT.
5. TEMPORARY STABILIZATION ACTIVITIES SHALL COMMENCE WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES HAVE CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
7. FINAL STABILIZATION ACTIVITIES SHALL COMMENCE WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES CEASE.
8. PER GENERAL NOTE #19, THE SEDIMENT TRAP SHALL BE RECONSTRUCTED INTO THE PROPOSED BI-O-RETENTION AREA AFTER THE SURROUNDING AREA HAS BEEN FULLY STABILIZED.
- 8.1. ANY CONSTRUCTION SITE SEDIMENT BUILD UP SHALL BE REMOVED FROM THE PROPOSED BI-O-RETENTION BASIN BEFORE EXCAVATION TO THE FINAL DEPTH AND THE RESTORATION OF THE ENGINEERED SOIL.
9. IF APPLIED TO ALL DISTURBED AREAS PRIOR TO GROUND FREEZE. SEE SPECIFICATIONS FOR DETAILS.



**EROSION CONTROL LEGEND:**

- GENERAL NOTES:**
1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
  2. NOTIFY THE LOCAL MUNICIPALITY AT LEAST 2 WORKING DAYS PRIOR TO THE START OF SOIL DISTURBING ACTIVITIES.
  3. INSTALL ALL TEMPORARY EROSION CONTROL ELEMENTS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
  4. ALL ACTIVITIES SHALL BE CONDUCTED IN A LOCAL SEQUENCE TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME.
  5. CRUSHED ROCK DRIVES FOR SEDIMENT TRAPPING UTILIZING 3" CRUSHED ROCK SHALL BE MAINTAINED AT ALL CONSTRUCTION ENTRANCES TO THE SITE. THE ROCK DRIVE SHALL BE A MINIMUM OF 12" THICK AND BE A MINIMUM OF 50 FEET IN LENGTH BY THE DRIVEWAY.
  6. OFFSITE SEDIMENT DEPOSITS RESULTING FROM CONSTRUCTION ACTIVITIES, INCLUDING SOIL TRACKING, SHALL BE CLEANED FROM WORKING AREAS OF EXPOSED DRIVEWAYS AND ADJACENT STREETS. SWEEP MECHANICALLY OR MANUALLY AT LEAST WEEKLY AND BEFORE IMMINENT RAINFALL.
  7. ACTIVE FOR MORE THAN 7 DAYS SHALL BE TEMPORARILY STABILIZED BY SEEDING/MULCHING OR OTHER APPROVED METHODS.
  8. WASTE MATERIAL THAT IS GENERATED ON THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO RECEIVING WATERS.
  9. EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF EACH WORK DAY.
  10. 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 SUBMITTED BY THE PROJECT CIVIL ENGINEER.
  11. ALL TEMPORARY EROSION CONTROL ELEMENTS SHALL REMAIN IN PLACE UNTIL A SUFFICIENT GROWTH OF VEGETATION IS ESTABLISHED AND THEN BE REMOVED AS PART OF THE BASE BID.
  12. SEDIMENT LADEN WATER NEEDS TO BE REMOVED FROM THE SITE. FILTER BAGS OR SCREENING SHALL BE USED IN CONNECTION WITH ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAN SERVICES, SITE LIGHTING, CONDITORS AND SPOKES).
  13. COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAN SERVICES, SITE LIGHTING, CONDITORS AND SPOKES).
  14. PROVIDE RIP RAP AT ALL CULVERT OUTFLOW ENTAILMENTS TO PREVENT WASHOUT AND EROSION.
  15. INSTALL WOOD TYPE RIP RAP FILTER FABRIC BENEATH ALL RIP RAP.
  16. FENCE SOIL IS TO BE INSTALLED DURING THE MONTHS STABILIZATION BY MULCHING OR ANONIC POLYPROPYLENE SHALL OCCUR PRIOR TO SHOWING OR AROUND THE FENCE.
  17. SILT FENCE SHALL BE INSTALLED AROUND THE TOPSOIL STOCKPILE.
  18. SILT FENCE SHALL BE INSTALLED AROUND THE BI-O-RETENTION AREA IMMEDIATELY FOLLOWING INSTALLATION OF THE ENGINEERED SOIL TO PROTECT IT FROM SILT CONTAMINATION.
  19. THE ENGINEERED SOIL SHALL NOT BE PLACED IN THE BI-O-RETENTION AREAS UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED. ALL CONSTRUCTION SHALL BE REMOVED FROM THE SURGRADE OF THE BI-O-RETENTION AREA PRIOR TO REPAIRMENT OF THE ENGINEERED SOIL.
  20. THE CONTRACTOR SHALL PERFORM INSPECTIONS AND MONITORING OF EROSION CONTROL PRACTICES IN ACCORDANCE WITH THE BI-O-RETENTION AREA PRIOR TO REPAIRMENT OF THE ENGINEERED SOIL.
  21. CONSTRUCTION SHALL BE REMOVED FROM THE SURGRADE OF THE BI-O-RETENTION AREA UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED.
  22. INSTALL STONE OUTLET/OVERFLOW WEIR WHEREVER INDICATED ON PLANS.
  23. STORMWATER RUNOFF TO THIS BASIN DURING CONSTRUCTION.
  24. BEGAIN DEMOLITION AND UTILITY INSTALLATION.
  25. DURING DEMOLITION ACTIVITIES EXISTING GRASS AND VEGETATION TO BE REMOVED, SHALL REMAIN IN PLACE FOR AS LONG AS POSSIBLE TO AVOID SEDIMENT TRANSPORT.
  26. TEMPORARY STABILIZATION ACTIVITIES SHALL COMMENCE WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES HAVE CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
  27. FINAL STABILIZATION ACTIVITIES SHALL COMMENCE WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES CEASE.
  28. PER GENERAL NOTE #19, THE SEDIMENT TRAP SHALL BE RECONSTRUCTED INTO THE PROPOSED BI-O-RETENTION AREA AFTER THE SURROUNDING AREA HAS BEEN FULLY STABILIZED.
  29. ANY CONSTRUCTION SITE SEDIMENT BUILD UP SHALL BE REMOVED FROM THE PROPOSED BI-O-RETENTION BASIN BEFORE EXCAVATION TO THE FINAL DEPTH AND THE RESTORATION OF THE ENGINEERED SOIL.
  30. IF APPLIED TO ALL DISTURBED AREAS PRIOR TO GROUND FREEZE. SEE SPECIFICATIONS FOR DETAILS.

C4.3

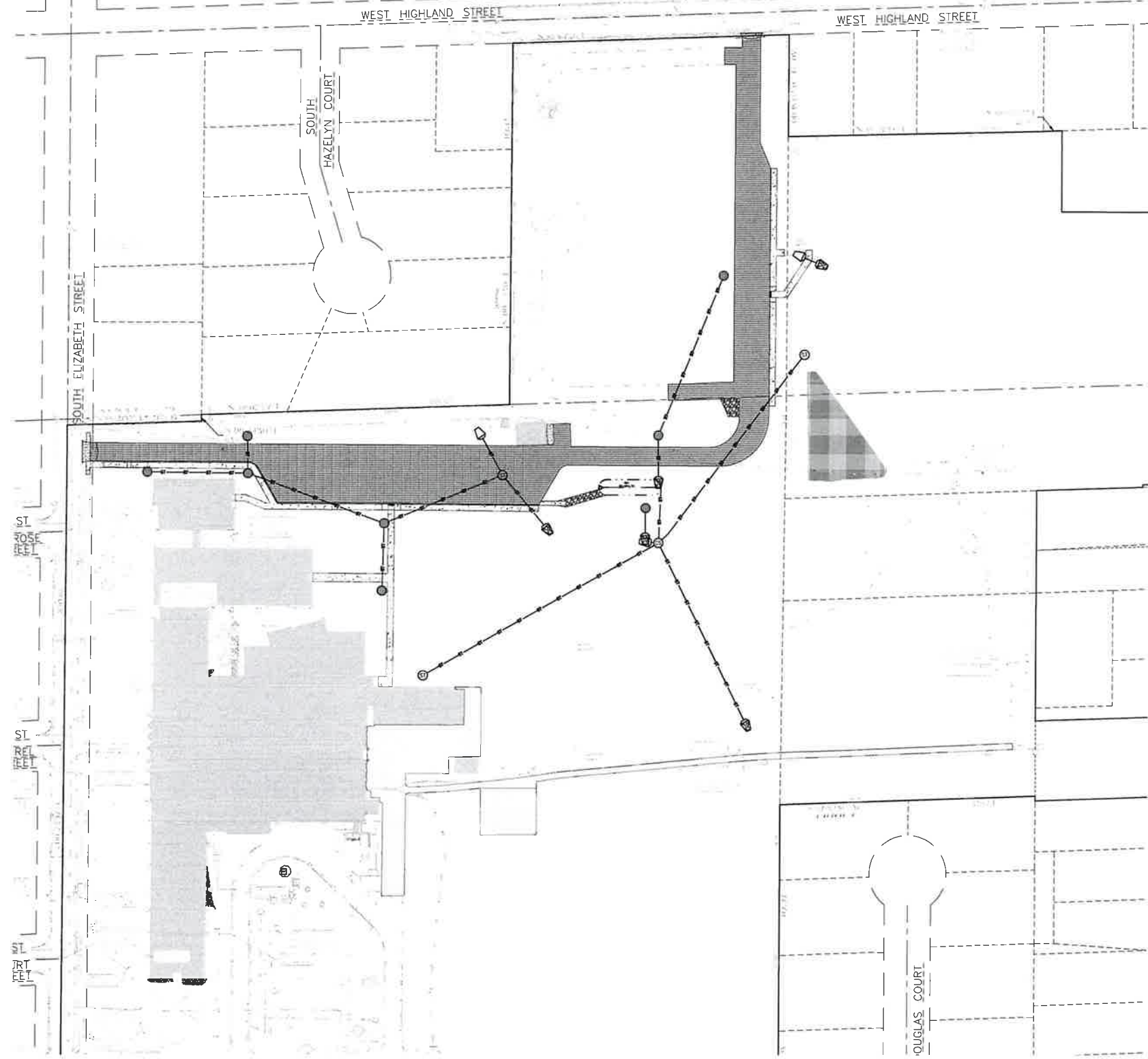
Sheet Number  
**PLAN**  
**EROSION CONTROL**  
**NORTH**  
 Sheet Title  
**3705**  
 Project Number  
 12/19/2025  
**DOCUMENTS**  
 Number

Project Title  
**ADDITION AND RENOVATION**  
**WHITTEWATER USD MIDDLE SCHOOL**  
**401 S ELIZABETH STREET**  
**WHITTEWATER, WI 53190**

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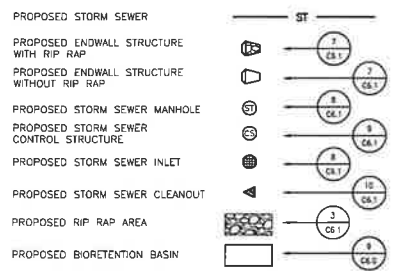
**BRAY**  
**ARCHITECTS**



**GENERAL NOTES:**

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL SHALL BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. 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.
4. REFER TO THE PROPOSED BUILDING MECHANICAL/PLUMBING PLANS TO VERIFY EXACT CONNECTION LOCATIONS AND SIZES OF PROPOSED SANITARY SEWER AND WATER LATERALS.
5. COORDINATE ALL UTILITY WORK WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
6. COORDINATE UTILITY SERVICE DISCONNECTIONS/OUTAGES WITH OWNER AND ANY IMPACTED NEIGHBORS, MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
7. COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE LOCAL MUNICIPALITY.
8. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 302.21.
9. THE MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY, AND PRIOR TO CONNECTING SANITARY SEWER AND WATER LATERALS TO THE PUBLIC MAINS.
10. THE CONTRACTOR SHALL HAVE A TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING.
11. THE MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES, IF NEEDED.
12. FIELD VERIFY INVERT ELEVATION OF THE STORM SEWER AT THE LOCATION OF THE LATERAL CONNECTIONS, PRIOR TO CONNECTING THE LATERALS.
13. PROVIDE RIP RAP AT ALL STORM ENDWALLS TO PREVENT WASHOUT AND EROSION.
14. INSTALL WSDOT TYPE HR FILTER FABRIC BENEATH PROPOSED RIP RAP.

**UTILITY LEGEND:**



**STORM MANHOLE SCHEDULE:**

STRUCTURE #	STRUCTURE DETAILS	STRUCTURE #	STRUCTURE DETAILS
CS#1	RIM = 857.00 INV (N) = 852.00 INV (W) = 853.84 INV (SW) = 861.34 INV (SE) = 861.34 INV (NE) = 861.34 INV (E) = 861.34 DEPTH = 5.66' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1733-1 CASTING W/ SOLID LID	ST#6	RIM = 865.00 INV (N) = 853.74 INV (W) = 863.74 INV (E) = 863.74 DEPTH = 6.16' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID
ST#1	RIM = 871.69 INV (E) = 856.15 DEPTH = 3.54' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SLUMP	ST#7	RIM = 866.79 INV (SW) = 853.79 DEPTH = 3.00' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID
ST#2	RIM = 870.34 INV (S) = 867.83 DEPTH = 2.41' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SLUMP	ST#8	RIM = 868.96 INV (N) = 866.31 DEPTH = 3.17' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SLUMP
ST#3	RIM = 871.05 INV (W) = 867.81 INV (N) = 867.81 INV (E) = 868.57 DEPTH = 4.48' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SLUMP	ST#9	RIM = 868.96 INV (S) = 866.09 INV (W) = 866.09 INV (E) = 866.09 DEPTH = 3.17' 24" NYLOPLAST DRAIN BASIN W/ 24" DOVE GRATE W/ 6" SLUMP
ST#4	RIM = 869.47 INV (NW) = 865.23 INV (N) = 865.23 INV (SE) = 865.23 DEPTH = 4.75' 24" NYLOPLAST DRAIN BASIN W/ 24" SOLID LID W/ 6" SLUMP	ST#10	RIM = 868.47 INV (S) = 865.87 DEPTH = 3.10' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SLUMP
ST#5	RIM = 865.50 INV (S) = 864.09 DEPTH = 1.91' 24" NYLOPLAST DRAIN BASIN W/ 24" DOME GRATE W/ 6" SLUMP	ST#11	RIM = 867.26 INV (N) = 865.29 INV (S) = 865.29 DEPTH = 2.47' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SLUMP

**CLEAN OUT SCHEDULE:**

STRUCTURE #	STRUCTURE DETAILS
CS#1	RIM = 854.51 INV (E) = 852.00

**BENCHMARK:**

ELEVATIONS ARE REFERENCED TO NAD83 DATUM

**BENCHMARK #1**  
600 SPIKE ON NORTH SIDE OF POWER POLE  
LOCATED APPROXIMATELY 70 FEET EAST OF THE EAST EDGE OF THE SALT SHED  
ELEVATION = 864.45

**BENCHMARK #2**  
600 SPIKE ON SOUTH SIDE OF POWER POLE  
LOCATED APPROXIMATELY 75 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MIDDLE SCHOOL BUILDING  
ELEVATION = 871.44

**BENCHMARK #3**  
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST LAUREL STREET  
ELEVATION = 878.20

**BENCHMARK #4**  
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET  
ELEVATION = 877.61

**BENCHMARK #5**  
ARROW BOLT ON HYDRANT, LOCATED APPROXIMATELY 125 FEET NORTHEAST OF THE NORTHEAST CORNER OF THE WHITEWATER UNITED SCHOOL DISTRICT CENTRAL OFFICE BUILDING  
ELEVATION = 868.24

**UTILITY DISCLAIMER:**

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOWN HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERT, DIRECTION, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS. PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED OR MARKED DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS PLAN MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS BY OTHERS AND/OR AS-BUILT PLANS, PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREON IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.



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Drawn: EBF, Checked: JH



PROJECT No. 19-011  
**ADDITION AND RENOVATION  
 WHITEWATER USD MIDDLE SCHOOL  
 401 S ELIZABETH STREET  
 WHITEWATER, WI 53190**

**ISSUANCES + REVISIONS:**

NO.	DATE	DESCRIPTION
1	12/19/2025	ADDENDUM #1

Issued for  
**CONSTRUCTION DOCUMENTS**  
 12/19/2025

Project Number  
**3705**

Sheet Title

**OVERALL UTILITY PLAN**

Sheet Number

**C5.0**



C5.1

West  
UTILITY  
PLAN

Sheet No.

3705

Project Number

CONSTRUCTION  
DOCUMENTS

Issued For

1 STUDY AND DESIGN

2 PRELIMINARY DESIGN

3 PRELIMINARY DESIGN

4 PRELIMINARY DESIGN

5 PRELIMINARY DESIGN

6 PRELIMINARY DESIGN

7 PRELIMINARY DESIGN

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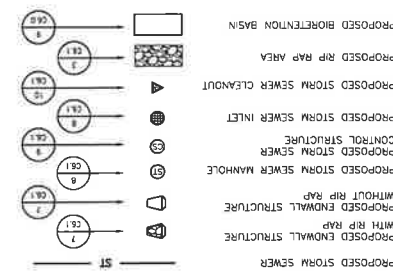


STRUCTURE #	STRUCTURE DETAILS
CS#1	RM = 864.00 INV (M) = 863.74 INV (N) = 863.74 DEPTH = 6.18
ST#1	RM = 864.98 INV (M) = 864.72 INV (N) = 864.72 DEPTH = 3.24
ST#2	RM = 871.05 INV (M) = 869.81 INV (N) = 869.81 DEPTH = 1.24
ST#3	RM = 869.47 INV (M) = 869.23 INV (N) = 869.23 DEPTH = 4.75
ST#4	RM = 865.50 INV (M) = 864.09 INV (N) = 864.09 DEPTH = 1.91
ST#5	RM = 869.47 INV (M) = 869.23 INV (N) = 869.23 DEPTH = 1.91

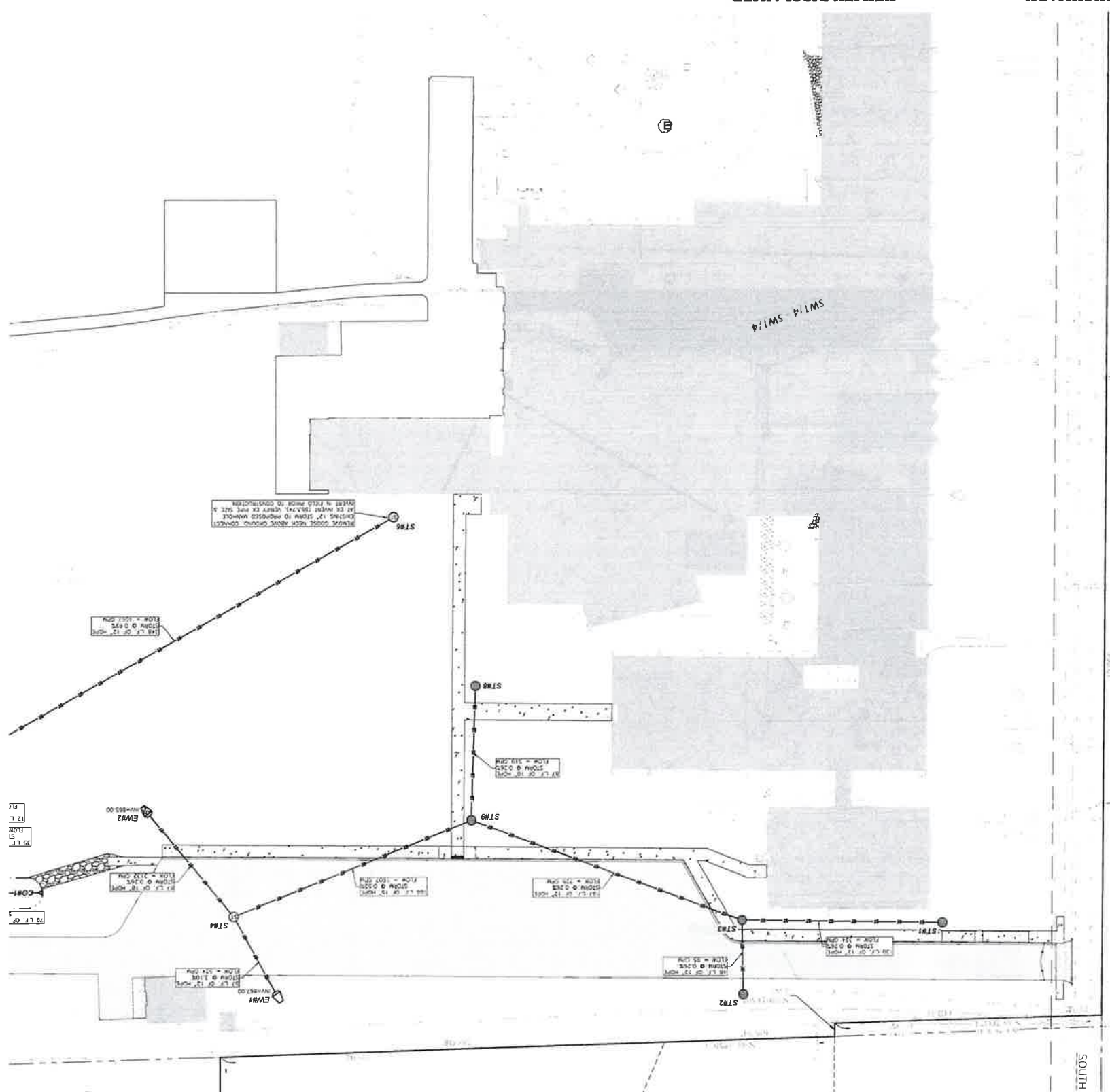
CLEAN OUT SCHEDULE:

STRUCTURE #	STRUCTURE DETAILS
CS#1	RM = 867.00 INV (M) = 863.00 INV (N) = 863.00 DEPTH = 3.98
ST#1	RM = 864.98 INV (M) = 864.72 INV (N) = 864.72 DEPTH = 3.24
ST#2	RM = 871.05 INV (M) = 869.81 INV (N) = 869.81 DEPTH = 1.24
ST#3	RM = 869.47 INV (M) = 869.23 INV (N) = 869.23 DEPTH = 4.75
ST#4	RM = 865.50 INV (M) = 864.09 INV (N) = 864.09 DEPTH = 1.91
ST#5	RM = 869.47 INV (M) = 869.23 INV (N) = 869.23 DEPTH = 1.91
ST#6	RM = 864.98 INV (M) = 864.72 INV (N) = 864.72 DEPTH = 3.24
ST#7	RM = 864.98 INV (M) = 864.72 INV (N) = 864.72 DEPTH = 3.24
ST#8	RM = 864.98 INV (M) = 864.72 INV (N) = 864.72 DEPTH = 3.24
ST#9	RM = 864.98 INV (M) = 864.72 INV (N) = 864.72 DEPTH = 3.24
ST#10	RM = 864.98 INV (M) = 864.72 INV (N) = 864.72 DEPTH = 3.24
ST#11	RM = 864.98 INV (M) = 864.72 INV (N) = 864.72 DEPTH = 3.24

STORM MANHOLE SCHEDULE:



- GENERAL NOTES:**
- CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
  - GRADE LINES AND LEVELS SHOWN IN THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
  - REFER TO THE PROPOSED BUILDING MECHANICAL/PLUMBING PLANS TO VERIFY EXACT CONNECTION LOCATIONS AND SIZES OF PROPOSED SANITARY AND WATER LATERALS.
  - COORDINATE ALL UTILTY WORK WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICES, SITE LIGHTING, CONDUITS AND SIGNALS).
  - COORDINATE ALL UTILTY WORK WITH THE LOCAL MUNICIPALITY.
  - ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 282.21.
  - THE MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY, AND PRIOR TO CONNECTING SANITARY SEWER AND WATER LATERALS TO THE PUBLIC MAINS.
  - THE MUNICIPALITY SHALL HAVE A TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING.
  - FIELD VERIFY INVERT ELEVATION OF THE STORM SEWER AT THE LOCATION OF THE LATERAL CONNECTIONS, PRIOR TO PROVIDE RIP RAP AT ALL STORM ENDMANHOLES TO PREVENT WASHOUT AND EROSION.
  - INSTALL WADPOT TYPE HR FILTER FABRIC BENEATH PROPOSED RIP RAP.



UTILITY DISCLAIMER:

THE LOCATION, SIZE, AND DEPTH OF UNDEGROUND PUBLIC AND PRIVATE UTILITIES ARE SHOWN HEREON BASED ON RECORD PLANS, FIELD SURVEY AND OTHER INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER HAS CONDUCTED VISUAL INSPECTIONS AND SURVEYS OF THE UTILITIES SHOWN HEREON AND HAS FOUND NO EVIDENCE OF ANY OTHER UTILITIES. THE ENGINEER DOES NOT WARRANT THE ACCURACY OF THE INFORMATION SHOWN HEREON AND DOES NOT ACCEPT ANY LIABILITY FOR DAMAGES OR INJURY TO PERSONS OR PROPERTY ARISING FROM THE USE OF THIS INFORMATION. THE USER OF THIS INFORMATION SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, SIZE, AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.

BENCHMARK:

ADJACENT TO  
NORTH SIDE OF  
ELIZABETH STREET AND WEST  
CORNER OF THE NORTH END OF  
THE INTERSECTION OF SOUTH  
AND WEST STREETS  
ELEVATION = 871.61

ADJACENT TO  
NORTH SIDE OF  
ELIZABETH STREET AND WEST  
CORNER OF THE SOUTH END OF  
THE INTERSECTION OF SOUTH  
AND WEST STREETS  
ELEVATION = 871.44

ADJACENT TO  
NORTH SIDE OF  
ELIZABETH STREET AND WEST  
CORNER OF THE NORTH END OF  
THE INTERSECTION OF SOUTH  
AND WEST STREETS  
ELEVATION = 871.44

ADJACENT TO  
NORTH SIDE OF  
ELIZABETH STREET AND WEST  
CORNER OF THE NORTH END OF  
THE INTERSECTION OF SOUTH  
AND WEST STREETS  
ELEVATION = 871.44



CHIEF ENGINEERING  
LANDSCAPE ARCHITECTURE  
FOB  
715 344 4444  
715 344 4444  
715 344 4444

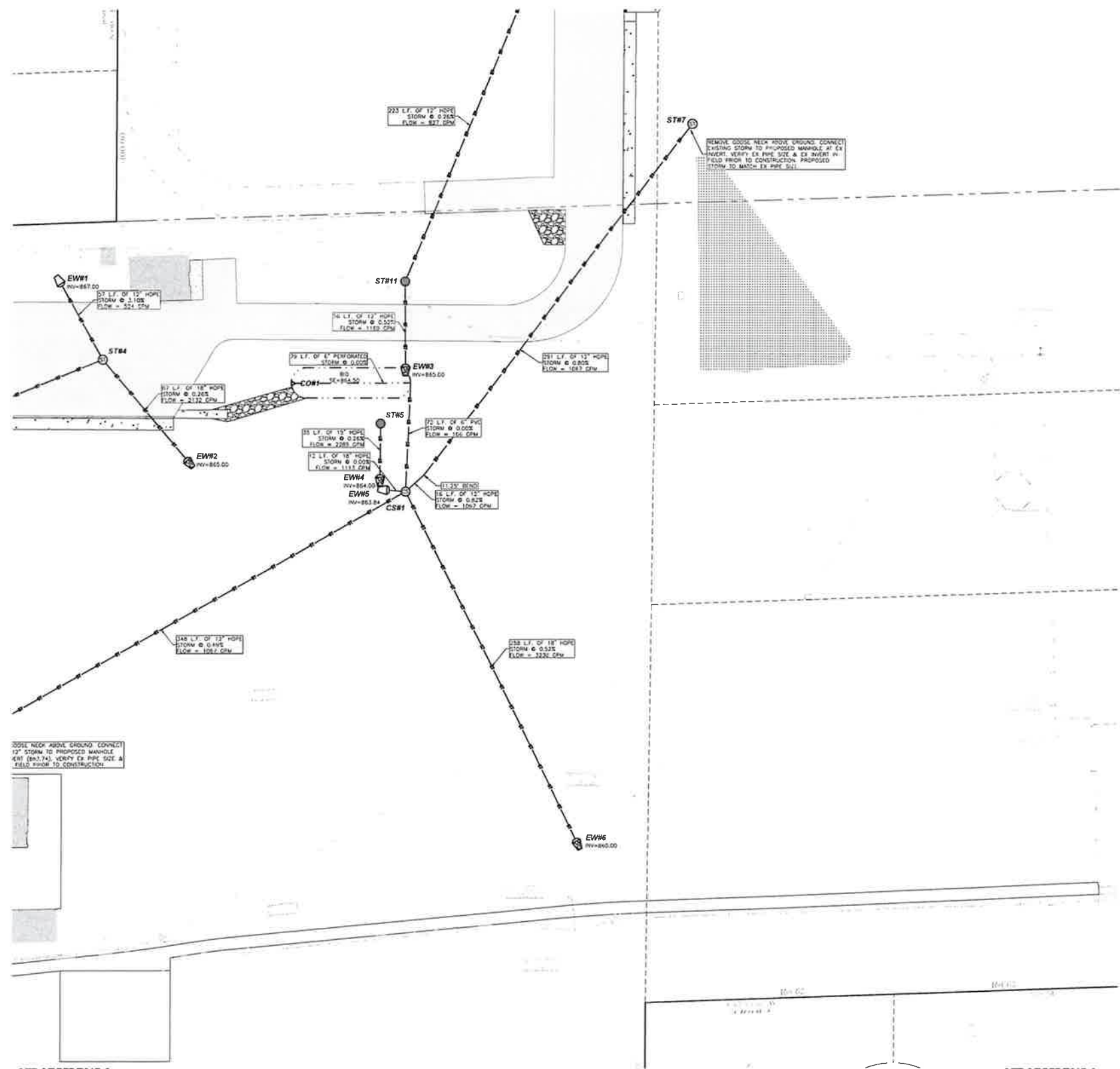
PROJECT TITLE  
ADDITION AND RENOVATION  
WHITENATER USD MIDDLE SCHOOL  
401 S ELIZABETH STREET  
WHITENATER, WI 53190

CONSTRUCTION DOCUMENTS

3705

WEST  
UTILITY  
PLAN

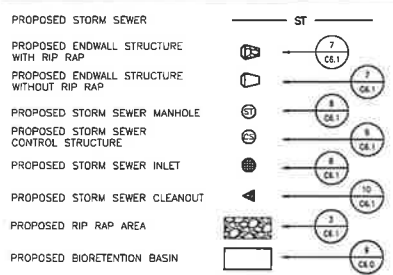
C5.1



**GENERAL NOTES:**

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL SHALL BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. 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.
4. REFER TO THE PROPOSED BUILDING MECHANICAL/PLUMBING PLANS TO VERIFY EXACT CONNECTION LOCATIONS AND SIZES OF PROPOSED SANITARY SEWER AND WATER LATERALS.
5. COORDINATE ALL UTILITY WORK WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
6. COORDINATE UTILITY SERVICE DISCONNECTIONS/OUTAGES WITH OWNER AND ANY IMPACTED NEIGHBORS. MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
7. COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE LOCAL MUNICIPALITY.
8. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
9. THE MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY, AND PRIOR TO CONNECTING SANITARY SEWER AND WATER LATERALS TO THE PUBLIC MAINS.
10. THE CONTRACTOR SHALL HAVE A TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING.
11. THE MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES, IF NEEDED.
12. FIELD VERIFY INVERT ELEVATION OF THE STORM SEWER AT THE LOCATION OF THE LATERAL CONNECTIONS, PRIOR TO CONNECTING THE LATERALS.
13. PROVIDE RIP RAP AT ALL STORM ENDWALLS TO PREVENT WASHOUT AND EROSION.
14. INSTALL W/800 TYPE HR FILTER FABRIC BENEATH PROPOSED RIP RAP.

**UTILITY LEGEND:**



**STORM MANHOLE SCHEDULE:**

STRUCTURE #	STRUCTURE DETAILS	STRUCTURE #	STRUCTURE DETAILS
CS#1	RM = 867.00 INV (N) = 862.00 INV (W) = 863.64 INV (SW) = 861.34 INV (NE) = 861.34 INV (SE) = 861.34 DEPTH = 5.66 48" ID. PRECAST MANHOLE W/ NEENAH R-1333-1 CASTING W/ SOLID LID	ST#6	RM = 868.80 INV (N) = 863.74 INV (NE) = 863.74 DEPTH = 6.16' 48" ID. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID
ST#1	RM = 871.88 INV (S) = 868.18 DEPTH = 3.54' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SUMP	ST#7	RM = 866.79 INV (SW) = 863.79 DEPTH = 3.00' 48" ID. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID
ST#2	RM = 870.34 INV (S) = 867.93 DEPTH = 2.41' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SUMP	ST#8	RM = 868.98 INV (N) = 866.31 DEPTH = 3.17' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SUMP
ST#3	RM = 871.05 INV (N) = 867.81 INV (S) = 867.81 INV (E) = 866.57 DEPTH = 4.48' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SUMP	ST#9	RM = 868.66 INV (S) = 866.09 INV (W) = 866.09 INV (E) = 866.09 DEPTH = 3.37' 24" NYLOPLAST DRAIN BASIN W/ 24" DOME GRATE W/ 6" SUMP
ST#4	RM = 869.47 INV (NW) = 865.23 INV (N) = 865.23 INV (SE) = 865.23 DEPTH = 4.75' 24" NYLOPLAST DRAIN BASIN W/ 24" SOLID LID W/ 6" SUMP	ST#10	RM = 868.47 INV (S) = 865.87 DEPTH = 3.10' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SUMP
ST#5	RM = 865.50 INV (S) = 864.09 DEPTH = 1.81' 24" NYLOPLAST DRAIN BASIN W/ 24" DOME GRATE W/ 6" SUMP	ST#11	RM = 867.26 INV (N) = 865.29 INV (S) = 865.29 DEPTH = 2.47' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SUMP

**CLEAN OUT SCHEDULE:**

STRUCTURE #	STRUCTURE DETAILS
CO#1	RM = 854.51 INV (E) = 862.00

**BENCHMARK:**  
ELEVATIONS ARE REFERENCED TO NAD83 DATUM

**BENCHMARK #1**  
600 SPK# ON NORTH SIDE OF POWER POLE.  
LOCATED APPROXIMATELY 10 FEET EAST OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET.  
ELEVATION = 864.65

**BENCHMARK #2**  
600 SPK# ON SOUTH SIDE OF POWER POLE.  
LOCATED APPROXIMATELY 75 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MIDDLE SCHOOL BUILDING.  
ELEVATION = 871.44

**BENCHMARK #3**  
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST LAUREL STREET.  
ELEVATION = 876.20

**BENCHMARK #4**  
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET.  
ELEVATION = 877.61

**BENCHMARK #5**  
ARROW BOLT ON HYDRANT, LOCATED APPROXIMATELY 175 FEET NORTHEAST OF THE NORTHWEST CORNER OF THE WHITEWATER UNITED SCHOOL, DISTRICT CENTRAL OFFICE BUILDING.  
ELEVATION = 868.24

**UTILITY DISCLAIMER:**  
THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOWN HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, PROPOSED DIRECTION, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS. PRIOR TO CONSTRUCTION, THE NEARBY UTILITY LINES SHOULD BE APPROXIMATE. WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED OR MARKED DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS BY OTHERS AND/OR AS-BUILT PLANS. PRODUCED BY OTHERS. POINT OF RECORDING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREON IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.

**BRAY ARCHITECTS**

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POB Project: 25.007  
Drawn: tcc Checked: jll

ENGINEERING DESIGN BY: **POB**  
Point of Beginning

Project Title:  
**ADDITION AND RENOVATION  
WHITEWATER USD MIDDLE SCHOOL  
401 S ELIZABETH STREET  
WHITEWATER, WI 53190**

ISSUANCES + REVISIONS:

NO.	DATE	DESCRIPTION
1	12/19/2025	ADDENDUM #1

Issued for  
**CONSTRUCTION DOCUMENTS**

12/19/2025

Project Number  
**3705**

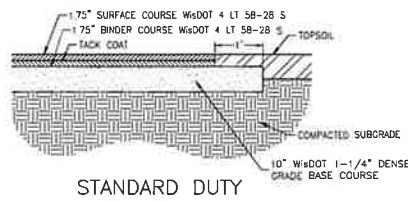
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**SOUTH UTILITY PLAN**

Sheet Number

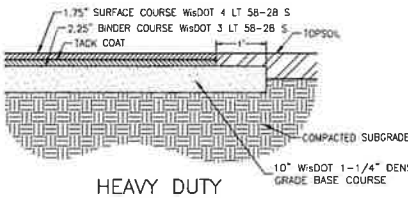
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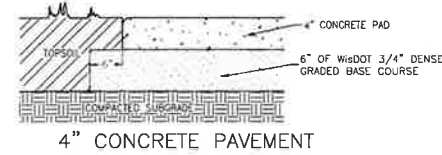


STANDARD DUTY

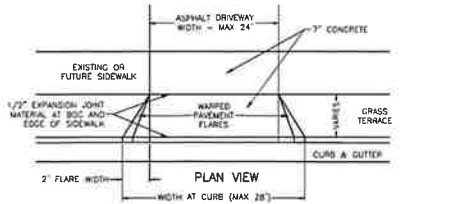


HEAVY DUTY

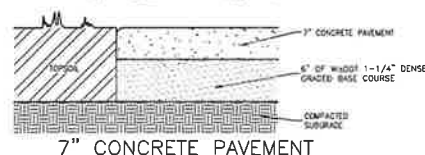
ASPHALT PAVEMENT 1  
C6.0



4" CONCRETE PAVEMENT

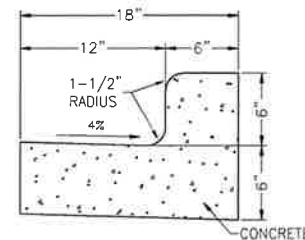


PLAN VIEW



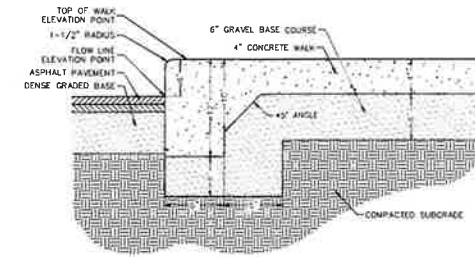
7" CONCRETE PAVEMENT

CONCRETE PAVEMENT 2  
C6.0

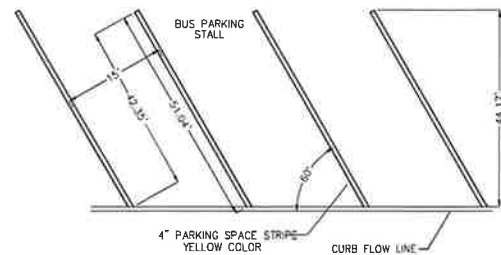


STANDARD

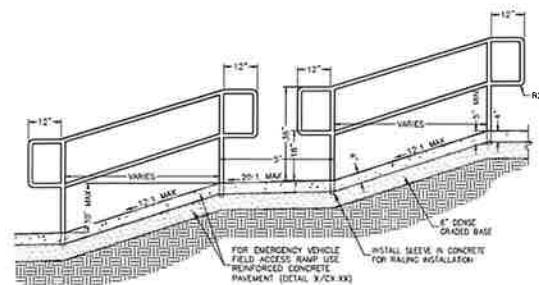
18" CONCRETE CURB & GUTTER 3  
C6.0



THICKENED EDGE WALK 4  
C6.0

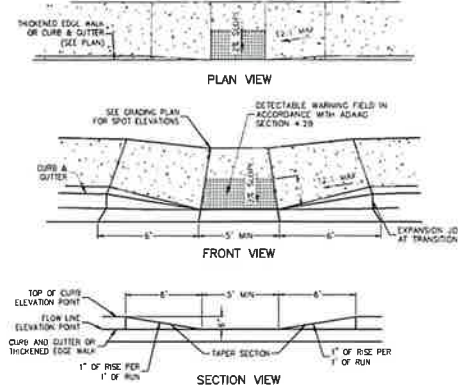


PARKING LOT STRIPING 5  
C6.0

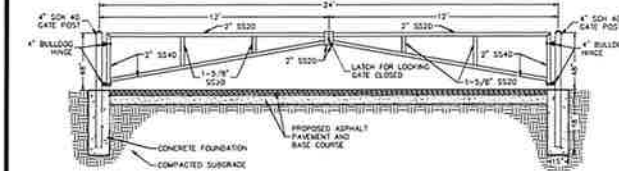


- NOTES:
1. USE WAGNER COMPANIES SERIES 500 ALUMINUM HANDRAILS OR APPROVED EQUAL.
  2. INSTALL HANDRAIL IN ACCORDANCE WITH MANUFACTURE'S REQUIREMENTS.
  3. HANDRAILS SHALL BE INSTALLED ON BOTH SIDES OF RAMP SYSTEM.
  4. HANDRAIL COLOR SELECTION BY OWNER.
  5. ANY WELD JOINTS ON HAND RAIL SHALL BE GROUND SMOOTH.

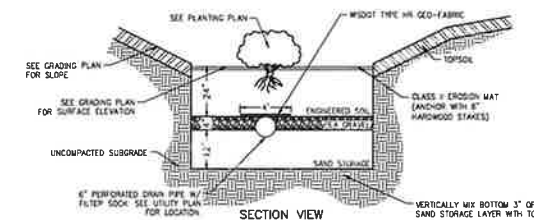
CONCRETE RAMP W/ RAILINGS 6  
C6.0



ACCESSIBLE CURB RAMP 7  
C6.0

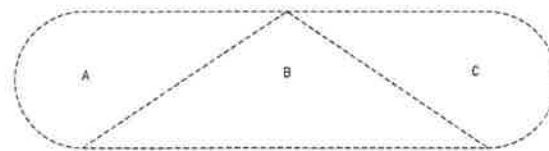


24' WIDE SWING GATE 8  
C6.0



- NOTES:
1. INSTALL ENGINEERED SOIL AFTER SITE PAVING IS COMPLETE AND GRASS AREAS ARE ESTABLISHED.
  2. SO MECHANICAL COMPACTION, INCLUDING EQUIPMENT TRACKING.
  3. INSTALL ENGINEERED SOIL IN 4" LIFTS, SPRINKLE WATER EACH LIFT TO SIMULATE RAINFALL AND PROMOTE NATURAL SETTLEMENT.
  4. ENGINEERED SOIL SHALL CONSIST OF 70 TO 85% SAND AND 15 TO 30% COMPOST, BY VOLUME.
  - 4.A. SAND SHALL MEET ONE OF THE FOLLOWING GRADATION REQUIREMENTS:
    - USDA COARSE SAND (07 - 04 INCHES)
    - ASTM C33 (FINE AGGREGATE CONCRETE SAND)
    - MESHON STANDARDS AND SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 501 2.5.3.4 (FINE AGGREGATE CONCRETE SAND) 5000 ENTIRE, OR AN EQUIVALENT AS APPROVED BY THE ADMINISTERING AUTHORITY. THE PREFERRED SAND COMPONENT CONSISTS OF MOSTLY S20, BUT SAND CONSISTING OF DOLMITE OR CALCIUM CARBONATE MAY ALSO BE USED. MANUFACTURED SAND OR STONE DUST IS NOT ALLOWED. THE SAND SHALL BE WASHED AND DRAINED TO REMOVE CLAY AND SILT PARTICLES PRIOR TO MIXING.
  - 4.B. COMPOST SHALL MEET MESHON DEPARTMENT OF NATURE RESOURCES SPECIFICATION S100, COMPOST.
  5. ENGINEERED SOIL SHALL BE FREE OF ROCKS, STUMPS, ROOTS, BRUSH OR OTHER MATERIAL OVER 1 INCH IN DIAMETER.
  6. ENGINEERED SOIL SHALL HAVE A PH BETWEEN 5.5 AND 6.5 AND HAVE ADEQUATE NUTRIENT CONTENT FOR PLANT GROWTH.
  7. SAND STORAGE SHALL CONSIST OF SAND MEETING ONE OF THE ABOVE MENTIONED SAND GRADATIONS.

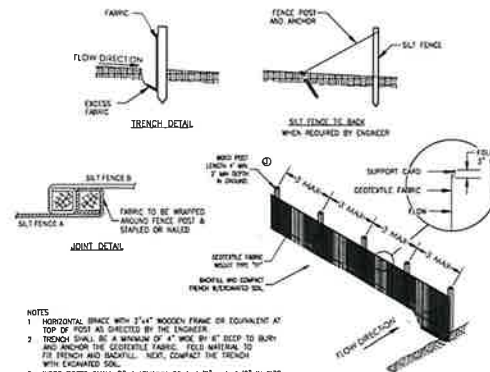
BIO-RETENTION BASIN 9  
C6.0



PLANT CLUSTER	SIZE	TOTAL PLUGS
A	PLUG	450
B	PLUG	595
C	PLUG	450

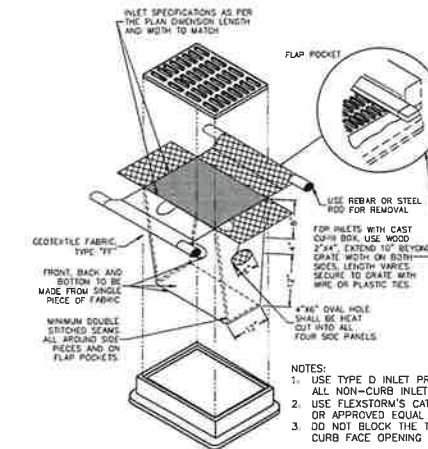
BOTANICAL NAME	COMMON NAME
A-ASTER NOVE-ANGLIAE	NEW ENGLAND ASTER
B-SORGHASTRUM NUTANS	INDIAN GRASS
C-RUDBECKIA HIRTA	BLACK-EYED SUSAN

\*\*1 PLUG FOR EVERY 1 SQUARE FEET



- 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 8" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FILL MATERIAL TO FILL TRENCH AND BACKFILL. NEXT, CONTACT THE TRENCH WITH ENGINEERED SOIL.
  3. WOOD POSTS SHALL BE A MINIMUM OF 1-1/2" x 1-1/2" IN SIZE AND BE MADE FROM ONE 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 WOODEN GEOTEXTILE FABRIC IS USED, THE WOOD POSTS MAY BE SPACED UP TO 8' APART.

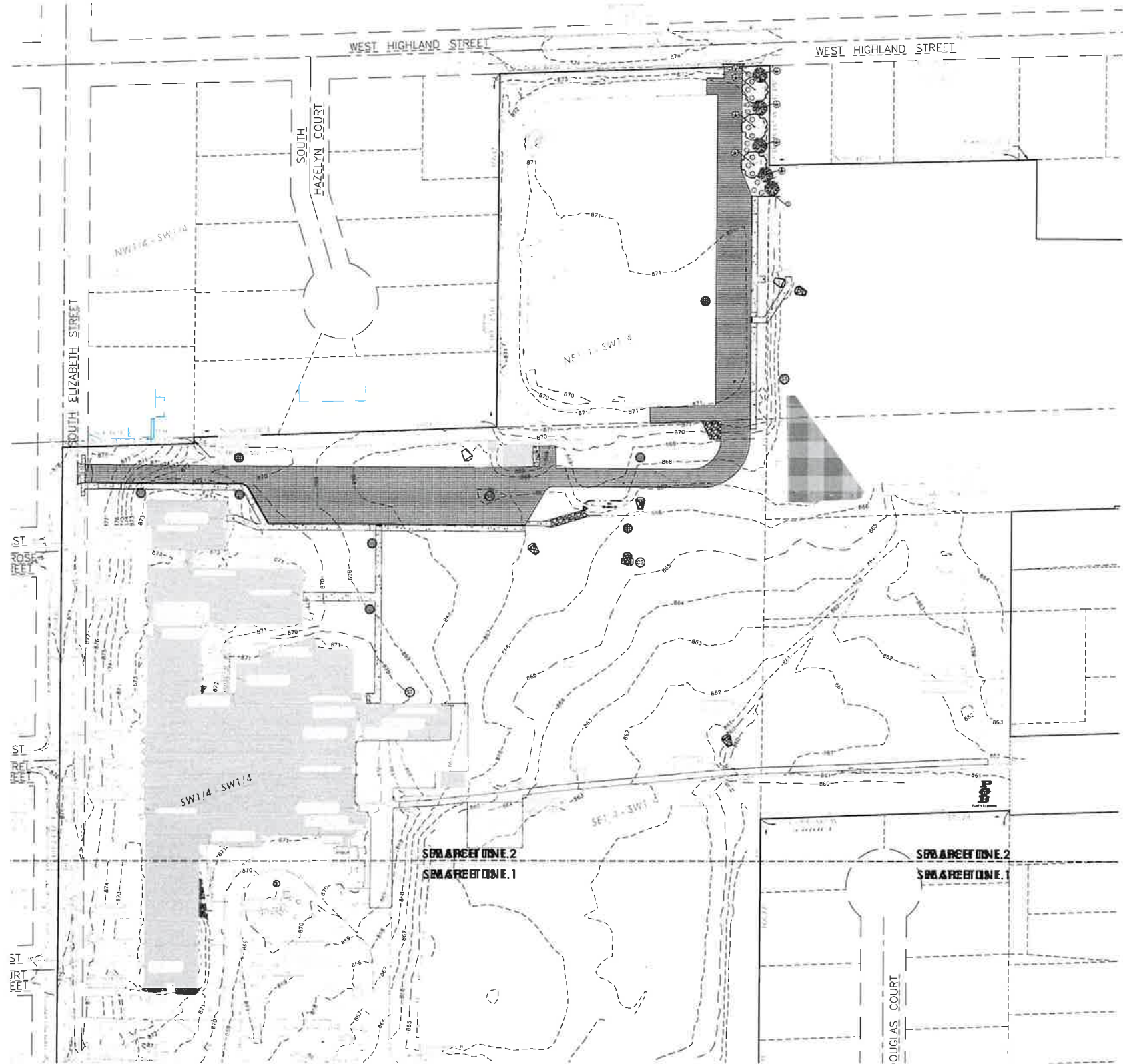
SILT FENCE 10  
C6.0



- NOTES:
1. USE TYPE D INLET PROTECTION FOR ALL NON-CURB INLETS.
  2. USE FLEXSTORM'S CATCH-IT PRODUCT OR APPROVED EQUAL WITH RIGID FRAME. DO NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.

INLET PROTECTION 11  
C6.0





**GENERAL NOTES:**

1. CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
2. 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.
3. SEED/FERTILIZE/CRIMP HAY MULCH ALL GENERAL LANDSCAPE AREAS DISTURBED DURING CONSTRUCTION, EXCEPT AREAS NOTED ON THIS DOCUMENT TO BE SODED.
4. ALL PLANT MATERIALS LISTED SHALL MEET THE STANDARDS OF THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION FOR THE SIZES GIVEN.
5. ALL TREES SHALL BE STAKED WITH A MINIMUM OF THREE STAKES.
6. ALL TREES IN THE TURF AREA SHALL HAVE A 5" DIAMETER CIRCLE OF 4" DEPTH SHREDDED HARDWOOD BARK MULCH.
7. EDGING LANDSCAPE EDGING OR EQUAL SHALL BE PLACED AROUND ALL LANDSCAPE BEDS.
8. 3" DEPTH OF HARDWOOD BARK MULCH SHALL BE PLACED IN ALL SHRUB PLANTING BEDS. COLOR TO BE SELECTED BY OWNER.
9. FILTER FABRIC SHALL BE PLACED BENEATH ALL LANDSCAPE BARK MULCH.
10. 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.

**PLANTING SCHEDULE:**

TREES SYMBOLS	BOTANICAL NAME	COMMON NAME	INSTALLATION SIZE	SIZE AT MATURITY	QUANTITY
AR	ACER RUBRUM 'NORTHWOOD'	NORTHWOOD MAPLE	3" CAL.	50'X35'W	3
PP	PICEA PUNGENS	COLORADO SPRUCE	5'-6'	45'X20'W	8

SHRUBS SYMBOLS	BOTANICAL NAME	COMMON NAME	INSTALLATION SIZE	SIZE AT MATURITY	QUANTITY
JC	JUNIPERUS CHINENSIS 'SEA GREEN'	SEA GREEN JUNIPER	24"	4'-6" W	17

**KEYNOTES:**

1. LANDSCAPE EDGING - SEE GENERAL NOTES

**LEGEND:**

MULCH AREA, SEE LANDSCAPE NOTES

**LANDSCAPE REQUIREMENTS:**

REQUIREMENT: BUFFERYARD REQUIRED TO BE LANDSCAPED WITH (2) LARGE DECIDUOUS TREE, (5) SMALL DECIDUOUS / EVERGREEN TREES AND (12) SHRUBS FOR EVERY 100 FEET OF BUFFERYARD LENGTH.

TOTAL BUFFERYARD LENGTH 135 FEET EQUALS (3) LARGE DECIDUOUS TREES (7) EVERGREEN TREES AND (17) SHRUBS

PROPOSED: 3 LARGE DECIDUOUS TREES & 7 EVERGREEN TREES & 17 SHRUBS

**BENCHMARK:**

ELEVATIONS ARE REFERENCED TO AVOID 20 DATUM.

**BENCHMARK #1**  
600 SNG ON NORTH SIDE OF POWER POLE. LOCATED APPROXIMATELY 70 FEET EAST OF THE EAST EDGE OF THE SALT SHED. ELEVATION = 864.68

**BENCHMARK #2**  
600 SNG ON SOUTH SIDE OF POWER POLE. LOCATED APPROXIMATELY 70 FEET NORTH OF THE NORTH EDGE OF THE WHITTAKER MIDDLE SCHOOL BUILDING. ELEVATION = 871.44

**BENCHMARK #3**  
ARROW BOLT ON HYDRANT. LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST LAUREL STREET. ELEVATION = 876.20

**BENCHMARK #4**  
ARROW BOLT ON HYDRANT. LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET. ELEVATION = 877.61

**BENCHMARK #5**  
ARROW BOLT ON HYDRANT. LOCATED APPROXIMATELY 175 FEET NORTHEAST OF THE NORTHWEST CORNER OF THE WHITTAKER UNITED SCHOOL DISTRICT CENTRAL OFFICE BUILDING. ELEVATION = 888.34

**UTILITY DISCLAIMER:**

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOWN HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, DEPTHS, DIRECTION, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON. IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED OR MARKED. SOURCE: THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY REVEAL ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS. BY OTHERS AND/OR AS-BUILT PLANS, PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREON IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSES INTENDED.



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715.944.9999(FPH) 715.344.4922(FPJ)  
PCB Project: 15008P  
DOB: 10/11/1970 (FPH) 01/01/1972 (FPJ)



Project #16  
**ADDITION AND RENOVATION  
WHITTAKER USD MIDDLE SCHOOL  
401 S ELIZABETH STREET  
WHITTAKER, WI 53190**

ISSUANCES & REVISIONS:

NO.	DATE	DESCRIPTION
1	12/19/2025	ISSUANCE

Issued for  
**CONSTRUCTION DOCUMENTS**  
12/19/2025

Project Number  
**3705**

Sheet Title  
**LANDSCAPE PLAN**

Sheet Number  
**L1.0**







GENERAL NOTES

- DO NOT SCALE FROM DRAWINGS
- EXISTING CONDITIONS: EXISTING CONDITIONS SHOWN ON DRAWINGS REPRESENT CURRENT BUILDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR REVIEW. WORK DONE WITHOUT RESOLUTION OF DISCREPANCIES MUST BE REDONE AT THE REQUEST OF THE ARCHITECT AT NO ADDITIONAL COST TO THE CONTRACT.
- REFER TO SHEET A01.0 FOR WALL TYPES.
- REFER TO SHEET A21.0 FOR TYPICAL MOUNTING HEIGHTS. REFER TO INTERIOR ELEVATION SHEETS FOR ROOM SPECIFIC FIXTURE MOUNTING HEIGHTS.
- DIMENSIONS FOR INTERIOR STUD WALLS ARE TO FACE OF WALL. EXTERIOR STUD WALLS ARE DIMENSIONED TO INTERIOR FACE OF STUDS. CMU WALLS ARE DIMENSIONED TO FACE OF WALL.
- REQUIRED MEANS OF EGRESS FROM THE EXISTING BUILDING SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION WHEN THE BUILDING REMAINS OCCUPIED BY THE EVENT THAT AN EXISTING MEANS OF EGRESS CANNOT BE MAINTAINED CONTRACTOR SHALL PROVIDE AN APPROVED TEMPORARY MEANS OF EGRESS.

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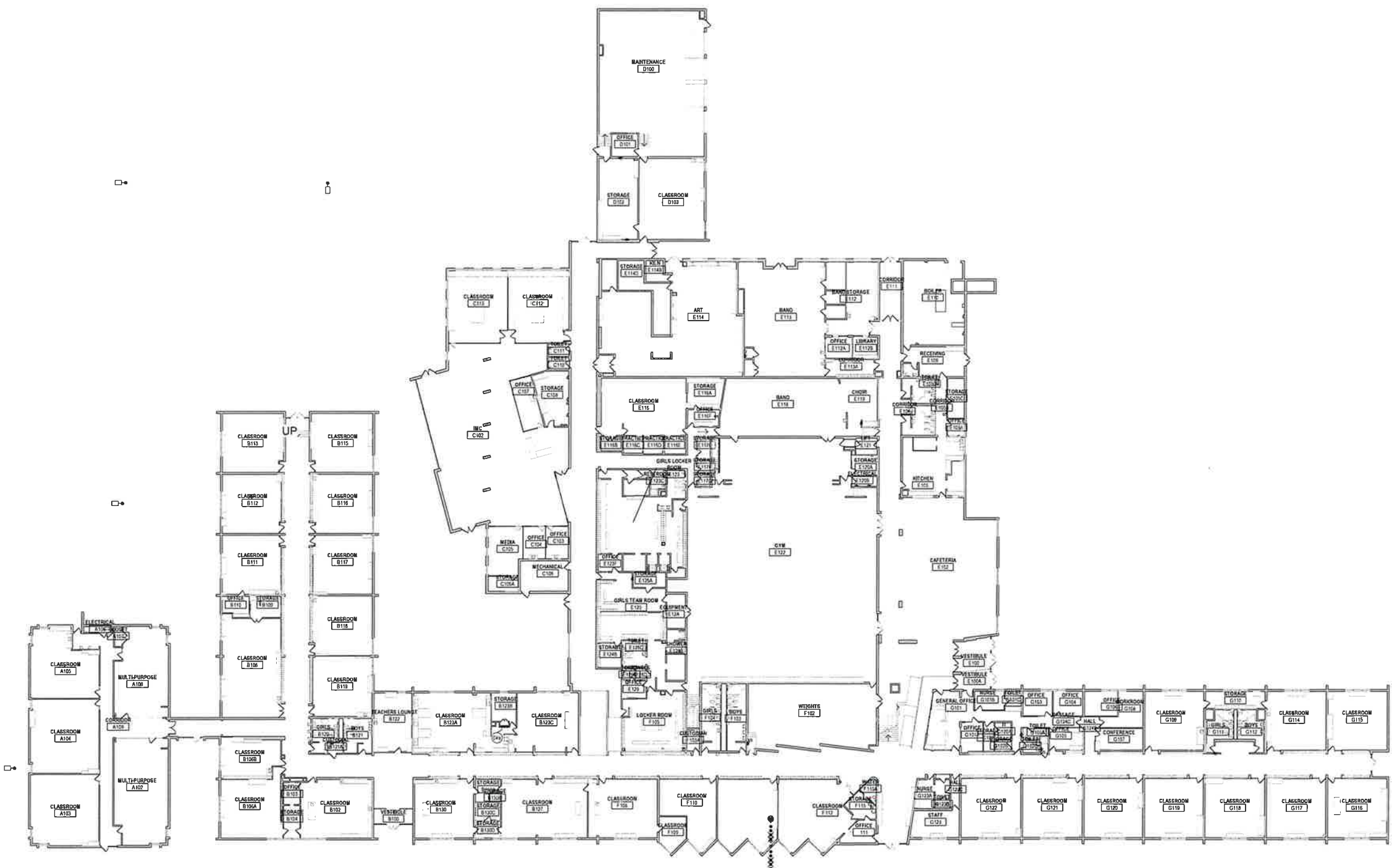
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830 South 161 Street  
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Project Title  
**CAPITAL MAINTENANCE TO  
WHITWATER MIDDLE SCHOOL**  
Whitewater Unified School District  
401 S Elizabeth St  
Whitewater, WI 53190

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**CONSTRUCTION DOCUMENTS**  
12/18/2025  
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**3705**  
Sheet Title  
**OVERALL FIRST FLOOR PLAN**

Sheet Number  
**A1.1**



**4A** FIRST FLOOR PLAN  
A1.1 Scale: 1" = 20'-0"

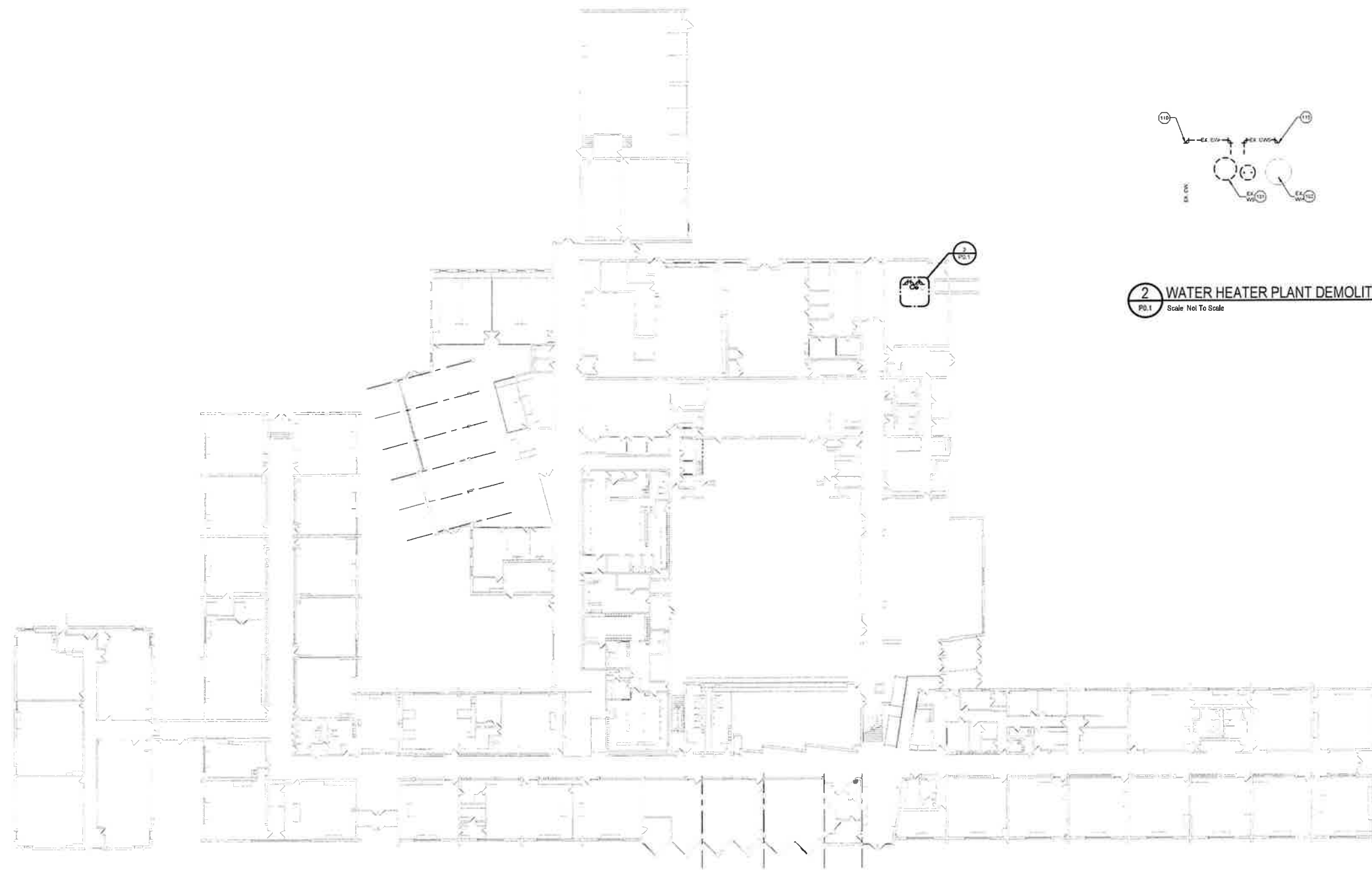
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 Whitewater Unified School District Facility Master Planning 2024/2025, Whitewater Middle School.dwg



SHEET KEYNOTES	
28	REMOVE AND REPLACE EXISTING DAMAGED INSULATION. FIELD VERIFY PIPE SIZES UNDER
110	REMOVE AND DISPOSE OF EXISTING PIPING BACK TO THIS LOCATION AND TEMPORARILY CAP FOR REUSE DURING NEW CONSTRUCTION PHASE.

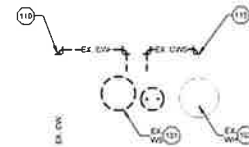
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Project Title: <b>Addition &amp; Renovation to                  Whitewater Middle School                  District                  829 S. 1st Street                  Milwaukee, WI 53204</b>							
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1 FIRST FLOOR DEMOLITION PLAN  
P0.1 Scale: 3/8" = 1'-0"

SHEET KEYNOTES	
101	REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURE / EQUIPMENT. PLUG / CAP EXISTING PIPING BELOW / BEHIND / ABOVE SURFACE OF NEW FINISHED FLOOR / WALL / CEILING. THE EXISTING PIPING SHALL BE CAPPED BACK TO ITS ACTIVE MAIN OR BRANCH PIPING.
102	EXISTING PLUMBING FIXTURE / EQUIPMENT TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION. ENSURE PROPER OPERATION OF FIXTURE / EQUIPMENT BEFORE COMPLETION OF PROJECT.
110	REMOVE AND DISPOSE OF EXISTING PIPING BACK TO THIS LOCATION AND TEMPORARILY CAP FOR REUSE DURING NEW CONSTRUCTION PHASE.



2 WATER HEATER PLANT DEMOLITION ENLARGED VIEW  
P0.1 Scale: Not To Scale

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Project Title  
**Addition & Renovation to  
Whitewater Middle School  
Whitewater Unified School District  
829 S. 1st Street  
Milwaukee, WI 53204**

ISSUANCES + REVISIONS:

DATE	DESCRIPTION


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Project Number  
**3705**

Sheet Title  
**FIRST FLOOR  
DEMOLITION  
PLAN**

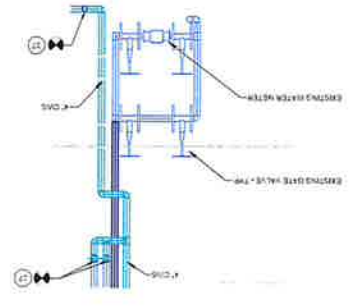
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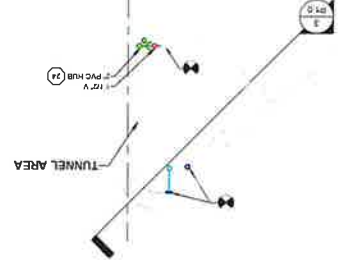

 1 FOUNDATION PLAN  
 Scale: 3/64" = 1'-0"





3 WATER SERVICE ELEVATION VIEW  
 Scale: Not To Scale  
 P1.0



2 WATER SERVICE ENLARGED PLAN  
 Scale: Not To Scale  
 P1.0



SHEET KEYNOTES	
24	PROVIDE TRAP AND VENT AND CONNECT INTO EXISTING ROUTE WATER SOFTENER DISCHARGE TO 2" PVC HUB
27	CONNECT NEW SOFTENED WATER INTO EXISTING SYSTEM FIELD VERIFY PIPE CONNECTION SIZES AND LOCATIONS

<b>P1.0</b>	Sheet Number	<b>FOUNDATION PLAN</b>	Sheet Title	<b>3705</b>	Project Number				
50% CONSTRUCTION DOCUMENTS		50% CONSTRUCTION DOCUMENTS		3705					
Project Title <b>Addition &amp; Renovation to          Whitewater Middle School          829 S. 1st Street          Milwaukee, WI 53204</b>									
ISSUANCES + REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>						DATE	DESCRIPTION		
DATE	DESCRIPTION								
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SHEET KEYNOTES	
24	ROUTE WATER SOFTENER DISCHARGE TO 2" PVC HUB. PROVIDE TRAP AND VENT AND CONNECT INTO EXISTING SANITARY PIPING IN TUNNEL.
40	FIELD VERIFY EXISTING PIPE SIZE AND MATCH FOR NEW INSTALLATION.

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1800.363.4525 • www.msa-inc.com

Project Title  
**Addition & Renovation to  
Whitewater Middle School  
Whitewater Unified School District  
829 S. 1st Street  
Milwaukee, WI 53204**

ISSUANCES + REVISIONS:

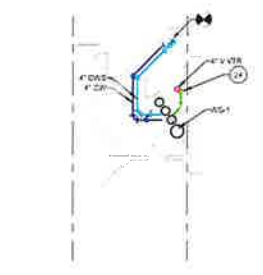
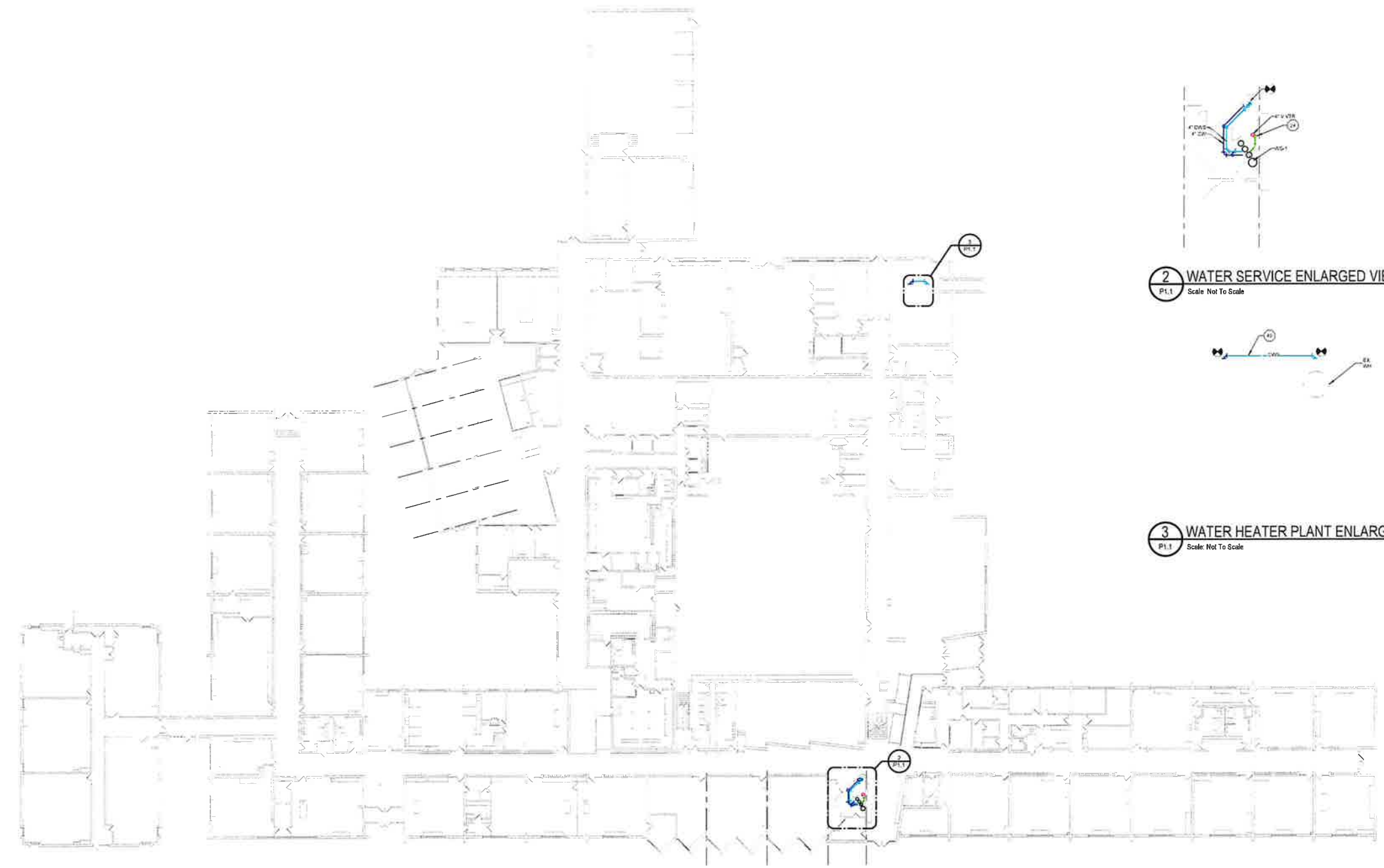
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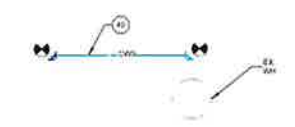
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**3705**

Sheet Title  
**FIRST FLOOR  
PLAN**

Sheet Number  
**P1.1**



**2 WATER SERVICE ENLARGED VIEW**  
Pt.1 Scale: Not To Scale



**3 WATER HEATER PLANT ENLARGED VIEW**  
Pt.1 Scale: Not To Scale

**1 FIRST FLOOR PLAN**  
Pt.1 Scale: 3/8\"/>

Addendum 0025 - Whitewater Unified School District Facility Modern Planning 202408070101\_Whitewater Middle School\_CADD\_0104  
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**ELECTRICAL SYMBOLS AND ABBREVIATIONS**

THIS IS A COMPREHENSIVE SYMBOL AND ABBREVIATION LIST - NOT ALL SYMBOLS ARE APPLICABLE TO THESE DRAWINGS

**ELECTRICAL DISTRIBUTION EQUIPMENT**

- UTILITY TRANSFORMER
- UTILITY TRANSFORMER
- CT CABINET AND METER SOCKET
- GENERATOR ANNUNCIATOR PANEL, FLUSH OR SURFACE
- PANEL - NEW SURFACE MOUNTED; TAG = "XX"
- PANEL - NEW FLUSH MOUNTED; TAG = "XX"
- PANEL - EXISTING SURFACE MOUNTED; TAG = "XX"
- PANEL - EXISTING FLUSH MOUNTED; TAG = "XX"
- TRANSFORMER - FLOOR MOUNT; TAG = "T-XX"
- TRANSFORMER - WALL MOUNT; TAG = "T-XX"
- TRANSFER SWITCH; TAGS = "ATS-XXX-Y", "MTS-XXX-Y"
- TAGS XXX: 700=EMERGENCY SYSTEM, 701=LEGALLY REQUIRED STANDBY SYSTEM, 702=OPTIONAL STANDBY SYSTEM
- TAG Y=SYSTEM NUMBER
- SURGE PROTECTION DEVICE; TAG = SPD
- CONTACTOR ENCLOSURE PANEL; TAG = CX
- X = CONTACTOR NUMBER

**MOTOR CONTROL**

- HEAVY DUTY DISCONNECT; TAG XX: WP=WEATHERPROOF, F=FUSIBLE
- NON COMBINATION STARTER
- COMBINATION STARTER
- MANUAL STARTER
- MOTOR OUTLET TERMINAL ON ROOF MOUNTED UNITS PROVIDE WEATHER PROOF DISCONNECTS. X = HORSE POWER OR MOTOR NUMBER IF SCHEDULE IS PROVIDED

**WIRING DEVICES**

**SWITCHES**

- SX SINGLE POLE SWITCH; TAG X: 3-3 WAY, 4-4 WAY, D=DIMMER, H=ILLUMINATED, K=KEYED, M=MOTION SENSOR, P=PILOT, R=RELAY, WP=WEATHERPROOF, V=LOW VOLTAGE; TAG X = INDICATES NUMBER OF BUTTONS AT EACH SWITCH LOCATION
- SX SWITCH TO BE DEMOLISHED; X = ABBREVIATIONS ABOVE
- SINGLE PUSH BUTTON - ADA DOOR BUTTON
- UP/DN PUSH BUTTON
- MULTI PUSH BUTTON

**RECEPTACLES**

NO TAG=STANDARD RECEPTACLE. TAGS X, ARC-RFC FAULT RATED, CW=CEILING MOUNTED, CW=CLOTHES WASHER, D=EXTRA DEEP, DW=DISH WASHER, EWC=ELECTRIC WATER COOLER, FM=FLOOR MOUNTED, FR=FREEZER, HD=HOSPITAL GRADE, GD=GARBAGE DISPOSER, GF=GROUND FAULT INTERRUPTER, GR=GAS RANGE, ICE=ICE MACHINE, IG=ISOLATED GROUND, MIC=MICROWAVE, REF=REFRIGERATOR, SH=SHURF PROTECTED, UIC=UNDER COUNTER REFRIGERATOR, DEVICE, UPS=UNINTERRUPTED POWER SUPPLY, USB=UNIVERSAL SERIAL BUS, W=WELDING MACHINE, WP=WEATHER PROOF, GROUND FAULT INTERRUPTER.

- RECEPTACLE - SINGLE OR SIMPLEX
- RECEPTACLE - DUPLEX
- LINE INDICATES DEVICE MOUNTED AT 42" TO CENTER, NO LINE INDICATES DEVICE MOUNTED AT STANDARD HEIGHT UNLESS TAGGED OTHERWISE. TYPICAL ALL RECEPTACLE TYPES AND BLANK BOXES
- RECEPTACLE - TAG XX, CD=CLOTHES DRYER (NEMA14-30R), EHELECTRIC RANGE (NEMA14-50R), K=KILN, W=WELDER (NEMA 6-50R)
- RECEPTACLE - DUPLEX MOUNTED ABOVE COUNTER
- RECEPTACLE - DUPLEX WITH TOP HALF SWITCHED
- RECEPTACLE - DOUBLE DUPLEX
- RECEPTACLE - DUPLEX TRIPLE
- RECEPTACLE - DUPLEX QUAD
- BLANK OUTLET FOR FUTURE DEVICES 4" BOX, SINGLE GANG RING, BLANKPLATE, 1" C. STUBBED INTO ACCESSIBLE CEILING

**WIRING DEVICES**

**MISCELLANEOUS**

- SURFACE RACEWAY
- EQUIPMENT CONNECTION
- SPECIAL OUTLET; TAG = NUMBER ON SCHEDULE
- ELECTRIC HAND/HAIR DRYER
- DUAL SERVICE FLOOR BOX; TAG = TYPE IN SPECS
- SINGLE SERVICE FLOOR BOX; TAG = TYPE IN SPECS
- POKE THROUGH FLOOR BOX; TAG = TYPE IN SPECS
- CARD DROP
- CORD REEL
- 90° CONDUIT BODY - THROUGH WALL
- 90° CONDUIT BODY - TURN RIGHT
- 90° CONDUIT BODY - TURN LEFT
- ELECTRIC VEHICLE CHARGING STATION. SEE PLANS FOR TYPES
- RECREATIONAL VEHICLE CHARGING STATION. SEE PLANS FOR TYPES
- MARINA SHORE POWER STATION. SEE PLANS FOR TYPES
- POWER POLE - CEILING DOWN TO FLOOR
- J BOX
- CONDUIT STUB THROUGH WALL BUSHED EACH END
- CABLE TRAY

**LIGHTING**

**FIXTURES**

- LIGHT FIXTURE - POLE MOUNTED; TAG = TYPE IN FIXTURE SCHEDULE
- LIGHT FIXTURE - CEILING MOUNTED FLUSH OR SURFACE; TAG = TYPE IN FIXTURE SCHEDULE
- WALL MOUNTED - FLUSH OR SURFACE; TAG = TYPE IN FIXTURE SCHEDULE
- LIGHT FIXTURE - FLUSH OR SURFACE; TAG = TYPE IN FIXTURE SCHEDULE
- EMERGENCY BATTERY UNIT LIGHT - WALL MOUNTED
- EMERGENCY BATTERY UNIT LIGHT - CEILING MOUNTED
- REMOTE EMERGENCY LIGHT

**EXITS**

- EXT LIGHT - ONE FACE
- LINES REPRESENT WALL MOUNTED, NO LINES REPRESENT CEILING MOUNTED. TYPICAL ALL EXITS
- EXT LIGHT - ONE FACE WITH EMERGENCY HEADS
- ARROWS INDICATE DIRECTION TO EXIT
- EXT LIGHT - TWO FACE

**SENSORS**

- DUAL TECHNOLOGY OCCUPANCY SENSOR
- LINES REPRESENT WALL MOUNTED, NO LINES REPRESENT CEILING MOUNTED. TYPICAL ALL SENSORS
- MULTI DIRECTION DUAL TECHNOLOGY OCCUPANCY SENSOR
- ULTRASONIC OCCUPANCY SENSOR
- LONG THROW OCCUPANCY SENSOR
- HIGH BAY OCCUPANCY SENSOR
- PHOTOCELL
- DAYLIGHT SENSOR

**FIRE ALARM PANELS & FIRE ALARM SUPPORT ITEMS**

- FIRE ALARM CONTROL PANEL
- FAAP FIRE ALARM ANNUNCIATOR PANEL, FLUSH OR SURFACE
- FAPS FIRE ALARM POWER SUPPLY
- FACC FIRE ALARM COMMAND CENTER WITH MICROPHONE
- FM FIRE ALARM MICROPHONE ENCLOSURE, FLUSH OR SURFACE
- RTS REMOTE TEST SWITCH

**NOTIFICATION APPLIANCE**

TAGS X=CANDELA LEVEL, EX=EXPLOSION PROOF, WP=WEATHERPROOF

- WALL MOUNTED AUDIO (HORN) / VISUAL NOTIFICATION APPLIANCE
- WALL MOUNTED AUDIO (VOICE) / VISUAL NOTIFICATION APPLIANCE
- WALL MOUNTED FIRE ALARM SPEAKER
- WALL MOUNTED VISUAL NOTIFICATION APPLIANCE
- CEILING MOUNTED AUDIO (HORN) / VISUAL NOTIFICATION APPLIANCE
- CEILING MOUNTED AUDIO (VOICE) / VISUAL NOTIFICATION APPLIANCE
- CEILING MOUNTED FIRE ALARM SPEAKER
- CEILING MOUNTED VISUAL NOTIFICATION APPLIANCE
- WALL MOUNTED AUDIO (HORN) / NOTIFICATION APPLIANCE
- WALL MOUNTED BELL
- MAGNETIC DOOR HOLDER
- ELECTRIC DOOR HOLDER
- ADDRESSABLE CONTROL MODULE

**FIRE ALARM**

**INITIATION DEVICE**

- MANUAL PULL STATION; TAG XX, LC=LEXAN COVER, EX=EXPLOSION PROOF, WP=WEATHERPROOF
- GAS DETECTOR
- HEAT DETECTOR
- SMOKE DETECTOR
- SMOKE DETECTOR WITH SOUNDER BASE
- DUCT SMOKE DETECTOR
- ELEVATOR SMOKE DETECTOR
- CARBON MONOXIDE DETECTOR
- SPRINKLER FLOW SWITCH
- SPRINKLER PRESSURE SWITCH
- SPRINKLER TAMPER SWITCH
- ADDRESSABLE MONITOR MODULE

**COMMUNICATION**

**DATA RACKS**

- TAGS TC=XX = TELECOMMUNICATION CLOSET NUMBER
- DATA RACK - OPEN FRAME 2 POST FLOOR MOUNTED
- DATA RACK - OPEN FRAME 4 POST FLOOR MOUNTED
- DATA RACK - OPEN FRAME WALL MOUNTED
- DATA RACK - ENCLOSED WALL MOUNTED
- GROUND BAR

**DATA / IP PHONE, WAP & TELEPHONE DEVICES**

TAGS X NO TAG=STANDARD DROP NUMBER INDICATES NUMBER OF DROPS IN EACH LOCATION, A=ATTENDANCE SCANNER, C=IP SECURITY CAMERA, K=KEYLESS ENTRY, USB=UNIVERSAL SERIAL BUS, V=VAPE SENSOR, W=WALL PHONE, PROVIDE 4" SQUARE DEEP BOX, 1" GANG RING, 1" CONDUIT STUBBED INTO ACCESSIBLE CEILING

- DATA / IP PHONE OUTLET (STANDARD HEIGHT)
- DATA / IP PHONE OUTLET (MOUNTED AT 42" TO CENTER)
- WAP X WIRELESS ACCESS POINT DATA OUTLET
- COILED DATA FOR FUTURE USE
- DATA / TELEPHONE OUTLET (STANDARD HEIGHT)
- DATA / TELEPHONE OUTLET (MOUNTED AT 42" TO CENTER)
- TELEPHONE OUTLET (STANDARD HEIGHT)
- TELEPHONE OUTLET (MOUNTED AT 42" TO CENTER)

**SOUND SYSTEM INPUTS, PAGING/INTERCOM SYSTEM**

TAGS XX: NO TAG=GENERAL PUBLIC ANNOUNCEMENTS, AS=AUDITORIUM, CL=CLASSROOM, CS=CAFETERIA, FH=FIELD HOUSE, FS=FITNESS, GS=GYM, IP=INFRASTRUCTURE, MP=MULTI-PURPOSE, PS=POOL, WS=WEIGHT ROOM

- ALTERNATE INPUT SOUND JBOX
- MICROPHONE OUTLET
- ADMINISTRATION STATION SEE SOUND SYSTEM RISER
- VOLUME CONTROL
- WALL MOUNTED CALL-IN SWITCH BOX OR HANDSET

**SPEAKERS**

TAGS XX: NO TAG=GENERAL PUBLIC ANNOUNCEMENTS, AS=AUDITORIUM, CL=CLASSROOM, CS=CAFETERIA, FH=FIELD HOUSE, FS=FITNESS, GS=GYM, IP=INFRASTRUCTURE, MP=MULTI-PURPOSE, PS=POOL, WS=WEIGHT ROOM, WP=WEATHER PROOF

- SPEAKER - WALL RECESSED MOUNTED
- SPEAKER - WALL SURFACE MOUNTED WITH METAL ENCLOSURE
- SPEAKER - WALL SURFACE MOUNTED - TWO SIDED
- SPEAKER - WALL BRACKET MOUNTED
- SPEAKER HORN - WALL SURFACE MOUNTED
- SPEAKER - CEILING RECESSED MOUNTED
- SPEAKER - CEILING SURFACE MOUNTED WITH METAL ENCLOSURE
- SPEAKER - CEILING SURFACE MOUNTED WITH METAL ENCLOSURE - TWO SIDED
- SPEAKER - PENDANT MOUNTED
- SPEAKER - PENDANT MOUNTED - TWO SIDED
- SPEAKER LOUD - SUSPENDED

**PUBLIC ANNOUNCEMENT INDICATION DEVICE**

- PUBLIC ANNOUNCEMENT INDICATION STROBE LIGHT - WALL MOUNTED
- PUBLIC ANNOUNCEMENT INDICATION STROBE LIGHT - CEILING MOUNTED

**COMMUNICATION**

**CLOCKS**

- CLOCK - WALL MOUNTED - SINGLE FACE
- CLOCK - WALL MOUNTED - TWO FACE
- CLOCK - CEILING SURFACE MOUNTED - TWO FACE
- CLOCK / SPEAKER BAFFLE - COMBINATION

**TECHNOLOGY**

- HDMI OUTLET
- COAX OUTLET
- CEILING MOUNTED PROJECTOR PLATE
- MEDIA DELIVERY INPUT
- MEDIA DELIVERY LOCATION

**MISCELLANEOUS**

- AREA OF REFUGE (CALL BOX) / TWO WAY COMMUNICATION SYSTEM
- AREA OF REFUGE MASTER (BASE STATION) / TWO WAY COMMUNICATION SYSTEM
- TWO-WAY COMMUNICATION (CALL BOX)
- TWO-WAY COMMUNICATION MASTER (BASE STATION)

**SECURITY**

**DOOR CONTROL**

- 2 WAY INTERCOM SYSTEM DOOR STATION
- 2 WAY INTERCOM SYSTEM MASTER STATION
- AUTOMATIC DOOR OPENER
- COMBINATION CARD READER AND KEY PAD
- CARD READER
- DURESS BUTTON
- DOOR POSITION SWITCH CONTACT
- DOOR POSITION SWITCH
- ELECTRIC TRIM LATCH
- ELECTRIC DOOR STRIKE
- GLASS BREAK SENSOR
- KEY PAD
- LIMIT SWITCH
- SECURITY SYSTEM MOTION DETECTOR
- SECURITY SYSTEM MOTION DETECTOR 360°
- SECURITY SYSTEM MOTION DETECTOR - WALL MOUNTED
- MAGNETIC LOCK
- ON CENTER
- REQUEST TO EXIT
- SECURITY STROBE
- SINGLE PUSH BUTTON - FUNCTIONALITY DEFINED ON PLANS

**CAMERAS**

- SECURITY CAMERA - DIRECTIONAL
- LINES REPRESENT WALL OR POLE MOUNTED, NO LINES REPRESENT CEILING MOUNTED (TYPICAL)
- SECURITY CAMERA - 90°
- SECURITY CAMERA - 180°
- SECURITY CAMERA - 270°
- SECURITY CAMERA - 360°

**HEALTHCARE**

- NURSE CALL LIGHT
- NURSE CALL BEDSIDE STATION
- NURSE CALL STAFF ACKNOWLEDGE
- NURSE CALL CONTROL ROOM STATION
- WEATHER PROOF
- NURSE CALL POWER SUPPLY

**GENERAL**

**ANNOTATION SYMBOLS**

- REFERS TO PLAN NOTE NUMBER
- SPECIALTY EQUIPMENT REFERENCE TAG
- DETAIL NUMBER SHEET NO. WHERE DETAIL IS LOCATED

**LINE LEGEND**

- CIRCUIT HOMERUN TO 20A/1P BREAKER UNLESS SHOWN OTHERWISE ON DRAWINGS
- INDICATES ITEMS CONNECTED TO SAME CIRCUIT BUT CONTROLLED SEPARATELY
- INDICATES ITEMS CONNECTED TO SAME CIRCUIT AND CONTROLLED TOGETHER

**ABBREVIATIONS**

- AFB ABOVE FINISH FLOOR
- AFG ABOVE FINISH GRADE
- AHU AIR HANDLING UNIT
- ATS AUTOMATIC TRANSFER SWITCH
- C CONDUIT
- CCU COOLING CONDENSER UNIT
- CKT CIRCUIT
- CM CEILING MOUNTED
- CT CURRENT TRANSFORMER
- CON CONTACTOR
- CP CONTROL PANEL
- CUN CABINET UNIT HEATER
- DIS DISCONNECT
- DM DEMARC
- EB EXISTING BREAKER TO REMAIN UNLESS NOTED OTHERWISE
- EBB ELECTRICAL BASE BOARD
- EC ELECTRICAL CONTRACTOR
- EDM ELECTRIC DUCT HEATER
- EF EXHAUST FAN
- EL ELEVATION
- EMERGENCY EQUIPMENT
- EOL END OF LINE RESISTOR
- ETR EXISTING TO REMAIN
- ELH ELECTRIC UNIT HEATER
- EWC ELECTRIC WATER COOLER
- EWV ELECTRIC WALL HEATER
- EXP EXPLOSION PROOF
- F FUSIBLE PROOF
- FBO FURNISHED BY OTHERS
- FC VARIABLE SPEED FAN CONTROL SWITCH
- FR FREEZER
- FSD FIRE SMOKE DAMPER
- GC GENERAL CONTRACTOR
- GFI GROUND FAULT INTERRUPTER BREAKER LOCATED IN ELECTRICAL PANEL
- GND GROUND
- GSP GYM SWITCH PANEL
- GUH GAS UNIT HEATER
- HF HEAT FAN
- HP HORSE POWER
- HVAC HEATING, VENTILATING AND AIR CONDITIONING
- IDF INTERMEDIATE DISTRIBUTION FRAME
- JB JUNCTION BOX
- MAU MAKEUP AIR UNIT
- MB MOTORIZED BACKBOARD
- MC MECHANICAL CONTRACTOR
- MDF MAIN DISTRIBUTION FRAME
- MOD MOTOR OPERATED DAMPER
- MTD MOUNTED
- MTS MANUAL TRANSFER SWITCH
- NL NIGHT LIGHT
- NIC NOT IN CONTRACT
- NTS NOT TO SCALE
- OC OVERHEAD DOOR
- OC ON CENTER
- PDB PUNCH DOWN BLOCK
- PS POWER SUPPLY
- RPC RELAY CONTROL PANEL
- RTU ROOF TOP UNIT
- SAP SECURITY ANNUNCIATOR PANEL
- SCP SECURITY CONTROL PANEL
- SD SMOKE DAMPER
- SJB SOUND SYSTEM JUNCTION BOX
- SP SURGE PROTECTION DEVICE
- SS STAINLESS STEEL
- SV SOLENOID VALVE
- TC TELECOMMUNICATION CLOSET
- TEMP TEMPERATURE CONTROL PANEL
- TGB TELECOMMUNICATION GROUND BAR MASTER
- TJB TERMINAL JUNCTION BOX
- TRN TRANSFORMER
- TRS TRANSFER SWITCH
- TTB TELEPHONE TERMINAL BOARD
- UC UNDERCOUNTER
- UPS UNINTERRUPTED POWER SUPPLY
- UH UNIT HEATER
- VFD VARIABLE FREQUENCY DRIVE
- W WELDER
- WE WALL EXHAUST
- WG WIRE GUARD
- WH WATER HEATER
- WP WEATHER PROOF
- WPGF WEATHER PROOF / GROUND FAULT INTERRUPTER
- XP CLASS 1, DIV. 1 EQUIPMENT

**ELECTRICAL SHEET LIST**

Sheet Number	Sheet Name
E000	ELECTRICAL SYMBOLS AND ABBREVIATIONS
E001	SITE PLAN - ELECTRICAL
E002	OVERALL PLANS - ELECTRICAL
E003	ONE LINE DIAGRAM
E004	PANEL SCHEDULES

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E001  
 Sheet Number

ELECTRICAL  
 SITE PLAN

3705  
 Project Number

CONSTRUCTION  
 DOCUMENTS

ISSUED BY

DATE DESCRIPTION

ISSUANCES + REVISIONS

Project Title

829 S. 1st Street  
 Milwaukee, WI 53204

Addition & Renovation to  
 Whitewater Middle School  
 Whitewater Unified School District  
 Milwaukee, WI 53204

ENGINEERING DESIGNER  
**MSA**  
 10201 30th Avenue  
 Milwaukee, WI 53227  
 www.msaeng.com

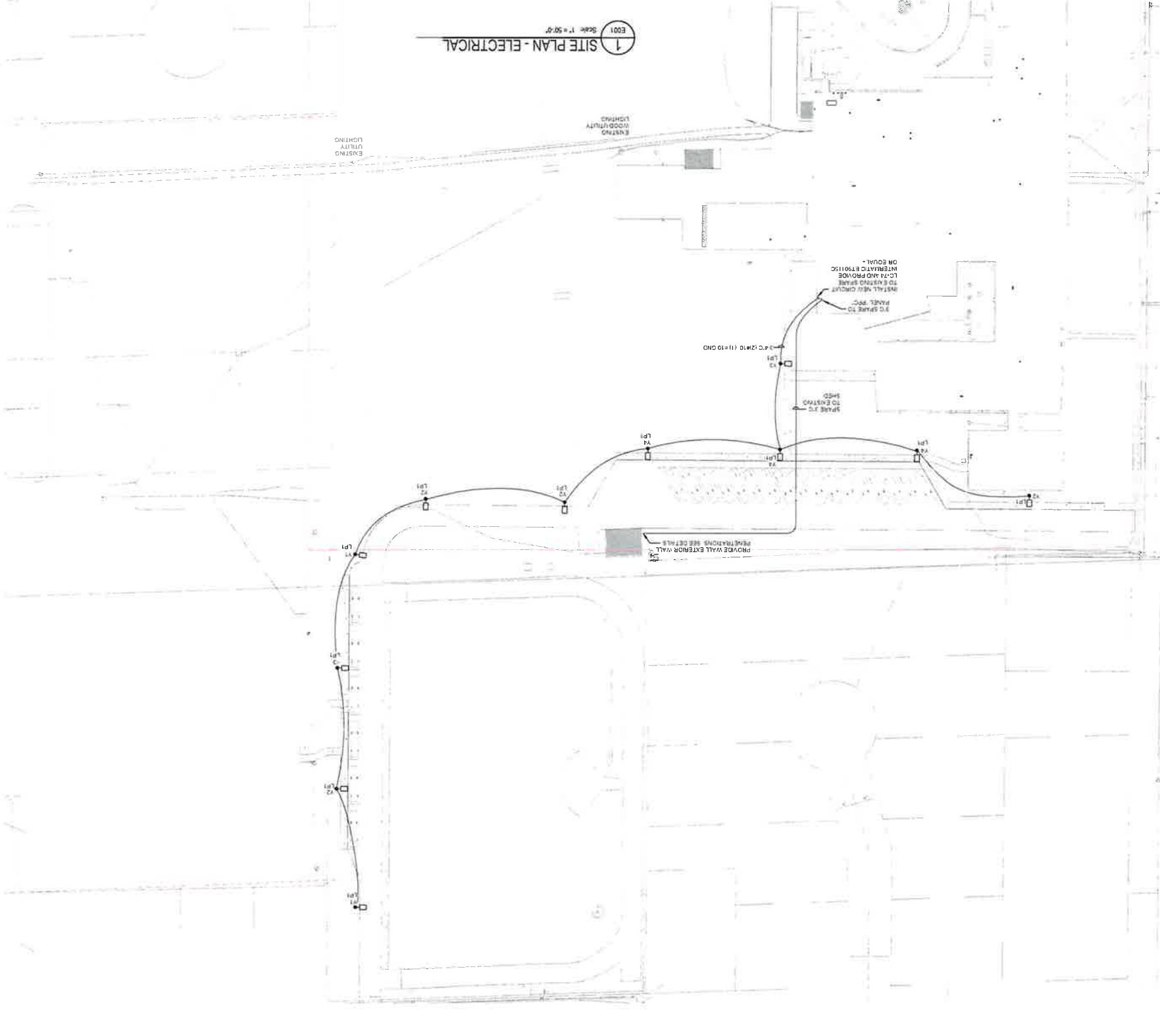
www.brayarch.com  
 26 Oregon + Overport  
 1. 414.226.0200  
 Milwaukee WI 53224  
 222 South 91 Street

BRAY  
 ARCHITECTS

WHITWATER MIDDLE SCHOOL - FIXTURE SCHEDULE

TYPE	DESCRIPTION	LUMENS DEL.	LAMP TYPE	WATTS	MANUFACTURER	CATALOG NUMBER	NOTE
V1	POLE MOUNTED AREA LIGHT W/BACK LIGHT CONTROL	10,000	4000K LED	104	LEDVANCE	4000K LED 104 WATT	
V2	POLE MOUNTED AREA LIGHT	14,000	4000K LED	104	LEDVANCE	4000K LED 104 WATT	
V3	POLE MOUNTED AREA LIGHT	13,000	4000K LED	104	LEDVANCE	4000K LED 104 WATT	
V4	POLE MOUNTED AREA LIGHT W/HOUSE SIDE SHIELD	13,500	4000K LED	104	LEDVANCE	4000K LED 104 WATT	
LP1	22 SQUARE STRAIGHT POLE W/BASE						
	UNIVERSAL SINGLE DOUBLE FACE EXTR RED LETTERS						

GENERAL NOTES:  
 1. SEE SPECIFICATIONS FOR FIXTURE REQUIREMENTS  
 2. ALL INTERIOR LED FIXTURES TO HAVE A MINIMUM CRI OF 90+ ALL EXTERIOR LED FIXTURES TO HAVE A MINIMUM CRI OF 70+  
 3. MOUNT FIXTURES AT HEIGHT INDICATED ON DRAWINGS UNLESS NOTED OTHERWISE  
 4. ARCHITECT TO SELECT AND APPROVE ALL FINISHES FOR LIGHT FIXTURES AND FIXTURE ACCESSORIES  
 5. PROVIDE OVER FLANGE WHERE FIXTURES ARE NOT LOCATED IN A/C THE CEILING  
 6. PROVIDE VIBRATION DAMPERS AND MOUNTING BRACKETS AS INDICATED ON PLANS. PROVIDE W/RECORD IN GYMS OR WHERE NOTED ON PLANS.  
 7. PROVIDE DIRECTION ARROWS AND MOUNTING BRACKETS AS INDICATED ON PLANS. PROVIDE W/RECORD IN GYMS OR WHERE NOTED ON PLANS.  
 8. PLAN NOTES



1 SITE PLAN - ELECTRICAL  
 Scale: 1" = 50'-0"

3 96" EXTERIOR LIGHTING CONCRETE BASE DETAIL  
 SCALE NTS

POLE HEIGHT IN FEET	BASE CENTER IN INCHES
10'-0"	4" x 60" (INCHES)
15'-0"	4" x 60" (INCHES)
20'-0"	4" x 60" (INCHES)
25'-0"	4" x 60" (INCHES)
30'-0"	4" x 60" (INCHES)
35'-0"	4" x 60" (INCHES)
40'-0"	4" x 60" (INCHES)
45'-0"	4" x 60" (INCHES)
50'-0"	4" x 60" (INCHES)

NOTES:  
 1. UNDISTURBED EARTH EXCLUDING FILL MATERIAL. A 2'-0" DIA HOLE WHICH SHALL BE USED AS THE FORM FOR THE CONCRETE BASE SHALL BE DRAILED.  
 2. IN EXCAVATED AREAS OR IN EXISTING SOIL CONTAINING FILL OR OBJECTS UNDESIRABLE MATERIAL, BACKFILL AROUND CONCRETE BASE WITH COMPACTED GRANULAR BACKFILL 3.0" IN ALL DIRECTIONS.  
 3. POLE HEIGHT IN FEET  
 4. BASE CENTER IN INCHES

2 CONDUIT DETAILS  
 SCALE NTS

NOTES:  
 1. P.C. MAY BE USED AS LONG AS POSSIBLE ON RIGID CONDUIT IN USE OF RIGID CONDUIT AND PVC SLEEVE  
 2. PVC SLEEVE TO BE AS SMALL AS POSSIBLE ON RIGID CONDUIT

CONDUIT UNDER FLOOR PENETRATION  
 RIGID STEEL CONDUIT IN FLOOR AS SPECIFIED  
 RIGID STEEL CONDUIT IN FLOOR AS SPECIFIED  
 RIGID STEEL CONDUIT IN FLOOR AS SPECIFIED  
 RIGID STEEL CONDUIT IN FLOOR AS SPECIFIED

CONDUIT UNDER EXTERIOR WALL PENETRATION  
 RIGID STEEL CONDUIT UNDER EXTERIOR WALL AS SPECIFIED  
 RIGID STEEL CONDUIT UNDER EXTERIOR WALL AS SPECIFIED  
 RIGID STEEL CONDUIT UNDER EXTERIOR WALL AS SPECIFIED

CONDUIT THROUGH ROOF PENETRATION  
 RIGID STEEL CONDUIT THROUGH ROOF AS SPECIFIED  
 RIGID STEEL CONDUIT THROUGH ROOF AS SPECIFIED  
 RIGID STEEL CONDUIT THROUGH ROOF AS SPECIFIED

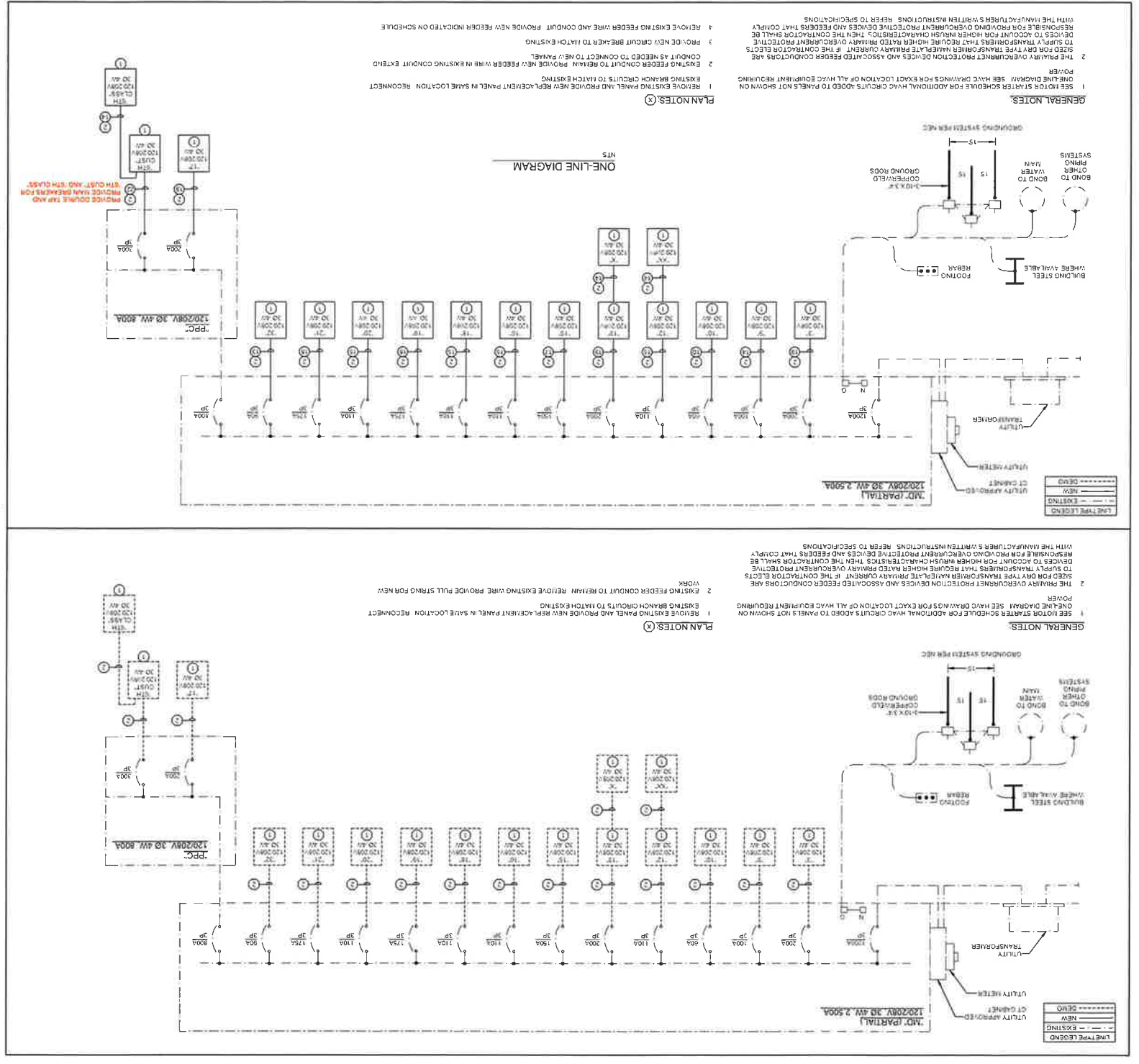


**FEDER SCHEDULE**

EQUIPMENT	1Ø OR 3Ø THREE-WIRE CIRCUIT		CIRCUIT CONDUCTORS		CONDUIT		CIRCUIT CONDUCTORS		CONDUIT		EQUIPMENT CONDUCTORS
	AMPERITY	CONDUIT	CIRCUIT CONDUCTORS	CONDUIT	CIRCUIT CONDUCTORS	CONDUIT	CIRCUIT CONDUCTORS	CONDUIT			
1	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	Ø1 #12
2	1Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	Ø1 #12
3	1Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	Ø1 #12
4	1Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	Ø1 #12
5	1Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	Ø1 #12
6	1Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	Ø1 #12
7	1Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	Ø1 #12
8	1Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	Ø1 #12
9	1Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	Ø1 #12
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11	1Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	Ø1 #12
12	1Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	Ø1 #12
13	1Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	Ø1 #12
14	1Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	Ø1 #12
15	1Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	Ø1 #12
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36	1Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	Ø1 #12
37	1Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	Ø1 #12
38	1Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	3Ø	Ø1 #12	Ø1 #12

**PLAN NOTATION**

- SINGLE-PHASE TWO-WIRE FEEDER NUMBER IS THE FEEDER CENTER
- SINGLE OR THREE-PHASE THREE-WIRE FEEDER NUMBER IS THE FEEDER CENTER
- ◇ THREE-PHASE FOUR-WIRE FEEDER NUMBER IS THE FEEDER CENTER



E003

ONE LINE DIAGRAM

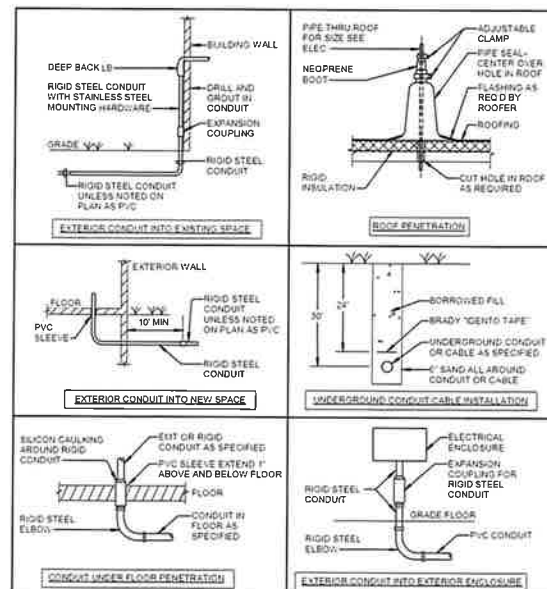
3705

CONSTRUCTION DOCUMENTS

Project:  
Addition & Renovation to  
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829 S. 1st Street  
Milwaukee, WI 53204

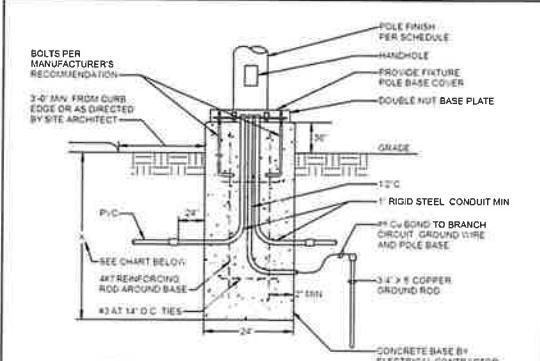






- NOTES:**
- E/C MAY USE PVC COATED RIGID STEEL CONDUIT IN LIEU OF RIGID CONDUIT AND PVC SLEEVE
  - PVC SLEEVE TO BE AS SNUG AS POSSIBLE ON RIGID CONDUIT

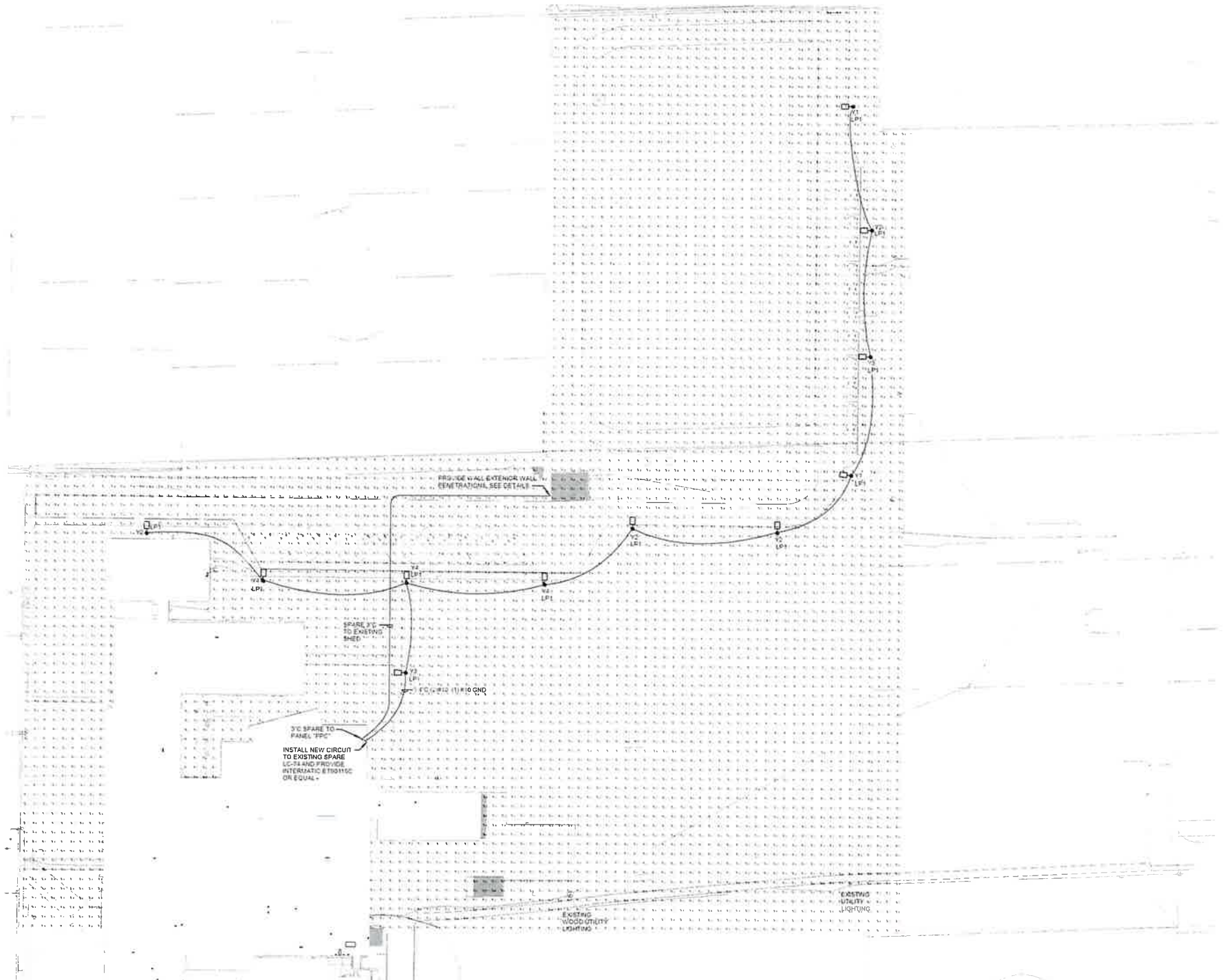
**2 CONDUIT DETAILS**  
SCALE: NTS



- NOTES:**
- IF UNDISTURBED EARTH EXCLUDING FILL MATERIAL A 2'-0" DIA. HOLE WHICH SHALL BE USED AS THE FORM FOR THE CONCRETE BASE SHALL BE DRILLED
  - IN EXCAVATED AREAS OR IN EXISTING SOIL CONTAINING FILL OF OBJECTIONABLE MATERIAL BACKFILL AROUND CONCRETE BASE WITH COMPACTED GRANULAR BACKFILL A MIN. OF 2'-0" IN ALL DIRECTIONS

POLE HEIGHT IN FEET	BASE DEPTH IN INCHES BELOW GRADE
10'-0"	X = 60" (INCHES)
15'-0"	X = 60" (INCHES)
20'-0"	X = 60" (INCHES)
25'-0"	X = 72" (INCHES)
30'-0"	X = 72" (INCHES)
35'-0"	X = 72" (INCHES)
40'-0"	X = 90" (INCHES)
45'-0"	X = 90" (INCHES)
50'-0"	X = 108" (INCHES)

**3 36" EXTERIOR LIGHTING CONCRETE BASE DETAIL**  
SCALE: NTS



**WHITWATER MIDDLE SCHOOL - FIXTURE SCHEDULE**

TYPE	DESCRIPTION	LUMENS DEL.	LAMP TYPE (WATTS)	MANUFACTURER	CATALOG NUMBER	NOTE
Y1	POLE MOUNTED AREA LIGHT W/BACK LIGHT CONTROL	10,000	4000K LED 104	LITHONIA MCGRAW HILL EDISON	DSK1 LED P3 40K TCR01 BLCE GRN-SAGA-745-U-38-4-B2	
Y2	POLE MOUNTED AREA LIGHT	14,000	4000K LED 104	LITHONIA MCGRAW HILL EDISON	DSK1 LED P3 40K TCR01 LSW GRN-SAGA-745-U-12-B2	
Y3	POLE MOUNTED AREA LIGHT	13,000	4000K LED 104	LITHONIA MCGRAW HILL EDISON	DSK1 LED P3 40K TCR01 T1M GRN-SAGA-745-U-12-B2	
Y4	POLE MOUNTED AREA LIGHT W/HOUSE SIDE SHIELD	13,500	4000K LED 104	LITHONIA MCGRAW HILL EDISON	DSK1 LED P3 40K TCR01 T1M HSS GRN-SAGA-745-U-12-1-4FT-R2	
LP1	22" SQUARE STRAIGHT POLE W/BASE			UTILITY METALS LITEL	SS34-11-22-SQ-2018-18-01-ND RPS0-22-11-AB-01-ND	2
	UNIVERSAL SINGLE/DOUBLE FACE EXIT RED LETTERS		LED 2	LITHONIA SURELITES	LQ4-S-W-3-8-135277 LPK6	1

**GENERAL NOTES:**

- SEE SPECIFICATIONS FOR FIXTURE REQUIREMENTS
- ALL INTERIOR LED FIXTURES TO HAVE A MINIMUM CRI OF 80+ ALL EXTERIOR LED FIXTURES TO HAVE A MINIMUM CRI OF 70+
- MOUNT FIXTURES AT HEIGHT INDICATED ON DRAWINGS UNLESS NOTED OTHERWISE
- ARCHITECT TO SELECT AND APPROVE ALL FINISHES FOR LIGHT FIXTURES, AND FIXTURE ACCESSORIES
- PROVIDE GYP. FLANGE WHERE FIXTURES ARE NOT LOCATED IN ACT TILE CEILING

**PLAN NOTES:**

- PROVIDE DIRECTION ARROWS AND MOUNTING METHODS AS INDICATED ON PLANS PROVIDE WIREGUARD IN GYMS OR WHERE NOTED ON PLANS
- PROVIDE VIBRATION DAMPENER PROVIDE CONCRETE POLE BASE PER DETAIL 1/6302

**BRAY ARCHITECTS**

828 South 1st Street  
Milwaukee, Wisconsin 53204  
T 414 225 0200

Shuboyan • Davenport  
Bafna • Sahni • Patel  
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ENGINEERING DESIGN BY  
**MSA**  
(608) 325-6500 • www.msa-ep.com

Project Title  
**Addition & Renovation to  
Whitewater Middle School  
Whitewater Unified School District  
829 S. 1st Street  
Milwaukee, WI 53204**

ISSUANCES + REVISIONS:

NO.	DATE	DESCRIPTION
1		

12/19/2025  
**CONSTRUCTION DOCUMENTS**  
3705  
Sheet Title  
**SITE PLAN - ELECTRICAL**

Sheet Number  
**E001**

Autodesk DocuPrint: Whitewater Unified School District Facility Master Planning 24/06/2025 12:19:25 PM  
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