

Public Works – Engineering Division

201 Delafield Street
Waukesha, Wisconsin 53188-3633

Alex Damien, P.E.,

Interim Director

adamien@waukesha-wi.gov

1-262-524-3600

July 20, 2022

City of Waukesha Plan Commission
201 Delafield St
Waukesha, WI 53188

Re: Plan Commission Application
South Side Pump Station Consolidation
Milky Way Pump Station
1601 Milky Way Rd

Dear Commission Members,

In order to provide reliable, efficient, and cost-effective sanitary sewer service to portions of the south side of Waukesha, the City of Waukesha will be adding minor upgrades to the existing Milky Way Rd sanitary sewage pump station.

A new backup generator will be added along with the necessary switches, controls, and other electrical items. This will allow the station to automatically switch over to generator power in a power outage without the need for Clean Water Plant staff to bring a portable generator to the site. Other minor changes will be made to the existing drive apron to direct storm water away from the station.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jonathan E. Schapekahn".

Jonathan E. Schapekahn, P.E.
Project Engineer



City of Waukesha

Application for Development Review

Last Revision
Date:
Dec. 2019

City of Waukesha Community Development Department - 201 Delafield Street, Waukesha, WI 53188 262-524-3750
City of Waukesha Department of Public Works Engineering Division—130 Delafield Street, Waukesha, WI 53188 262-524-3600
www.waukesha-wi.gov

APPLICANT INFORMATION

Applicant Name: Jonathan Schapekahn
Applicant Company Name: City of Waukesha
Address: 201 Delafield St
City, State: Waukesha, WI Zip: 53188
Phone: 262-524-3584
E-Mail: jschapekahn@waukesha-wi.gov

PROPERTY OWNER INFORMATION

Applicant Name: _____
Applicant Company Name: City of Waukesha
Address: 201 Delafield St
City, State: Waukesha, WI Zip: 53188
Phone: _____
E-Mail: _____

ARCHITECT/ENGINEER/SURVEYOR INFORMATION

Name: Chris Lockett
Company Name: Donohue & Associates
Address: 3311 Weeden Dr
City, State: Sheboygan, WI Zip: 53081
Phone: 414-759-5905
E-Mail: clockett@donohue-associates.com

PROJECT & PROPERTY INFORMATION

Project Name: South Side Pump Station Consolidation
Milky Way Rd Pump Station
Property Address 1601 Milky Way Rd
Tax Key Number(s): 291-1346-091
Zoning: Rm-3 (PUD)
Total Acreage: 0.05 Existing Building Square Footage 0
Proposed Building/Addition Square Footage: 0
Current Use of Property: Existing pump station

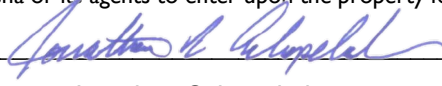
PROJECT SUMMARY (Please provide a brief project description.)

Install new outdoor backup generator to the existing sanitary pump station

All submittals require a complete scaled set of digital plans (Adobe PDF) and shall include a project location map showing a 1/2 mile radius, a COLOR landscape plan, COLOR building elevation plans, and exterior lighting photometric maps and cut sheets. A pre-application meeting is required prior to submittal of any applications for Subdivisions, Planned Unit Developments, and Site and Architectural Plan Review. **The deadline for all applications requiring Plan Commission Reviews is Monday at 4:00 P.M, 30 days prior to the meeting date. The Plan Commission meets the Fourth Wednesday of each month.**

APPLICATION ACKNOWLEDGEMENT AND SIGNATURES

I hereby certify that I have reviewed the City of Waukesha Development Handbook, City Ordinances, Submittal Requirements and Checklists and have provided one PDF of all required information. Any missing or incomplete information may result in a delay of the review of your application. By signing this I also authorize The City of Waukesha or its agents to enter upon the property for the purpose of reviewing this application.

Applicant Signature 
Applicant Name (Please Print) Jonathan Schapekahn
Date: 7/20/2022

For Internal Use Only:
Amount Due (total from page 2): _____ Amount Paid: _____ Check #: _____
Trakit ID(s) _____ Date Paid: _____

City of Waukesha Application for Development Review

TYPE OF APPLICATION & FEES (CHECK ALL THAT APPLY) Please note that each application type has different submittal requirements. Detailed submittal checklists can be found in Appendix A of the Development Handbook.

FEES

- Plan Commission Consultation **\$200** _____
- Traffic Impact Analysis _____
 - Commercial, Industrial, Institutional, and Other Non-Residential **\$480**
 - Residential Subdivision or Multi-Family **\$480**
 - Resubmittal (3rd and all subsequent submittals) **\$480**
- ONE OF THE THREE FOLLOWING ITEMS IS REQUIRED FOR SITE PLAN & ARCHITECTURAL REVIEWS (*):**
- * **Preliminary Site Plan & Architectural Review** _____
 - Level 1: Buildings/additions less than 10,000 sq.ft. or sites less than 1 acre **\$2,200**
 - Level 2: Buildings/additions between 10,001-50,000 sq.ft. or sites between 1.01 and 10 acres **\$2,320**
 - Level 3: Buildings/additions between 50,001-100,000 sq.ft. or sites between 10.01 and 25 acres **\$2,440**
 - Level 4: Buildings/additions over 100,001 sq.ft. or sites greater than 25.01 acres. **\$2,560**
 - Resubmittal Fees (after 2 permitted reviews) **\$750**
- * **Final Site Plan & Architectural Review** _____
 - Level 1: Buildings/additions less than 10,000 sq.ft. or sites less than 1 acre **\$1,320**
 - Level 2: Buildings/additions between 10,001-50,000 sq.ft. or sites between 1.01 and 10 acres **\$1,440**
 - Level 3: Buildings/additions between 50,001-100,000 sq.ft. or sites between 10.01 and 25 acres **\$1,560**
 - Level 4: Buildings/additions over 100,001 sq.ft. or sites greater than 25.01 acres. **\$1,680**
 - Resubmittal Fees (3rd and all subsequent submittals) **\$750**
- * **Minor Site Plan & Architectural Review (total site disturbance UNDER 3,000 total square feet)** 330
 - Projects that do not require site development plans **\$330**
 - Resubmittal Fees (3rd and all subsequent submittals) **\$330**
- Certified Survey Map (CSM) _____
 - 1-3 Lots **\$500**
 - 4 lots or more **\$560**
 - Resubmittal (3rd and all subsequent submittals) **\$180**
 - Extra-territorial CSM **\$260**
- Preliminary Subdivision Plat (Preliminary Site Plan Review is also required.) _____
 - Up to 12 lots **\$1,270**
 - 13 to 32 lots **\$1,390**
 - 36 lots or more **\$1,510**
 - Resubmittal (3rd and all subsequent submittals) **\$630**
- Final Subdivision Plat (Final Site Plan Review is also required.) _____
 - Up to 12 lots **\$660**
 - 13 to 32 lots **\$780**
 - 36 lots or more **\$900**
 - Resubmittal (3rd and all subsequent submittals) **\$480**
 - Extra-territorial Plat **\$540**
- Rezoning and/or Land Use Plan Amendment _____
 - Rezoning **\$630**
 - Land Use Plan Amendment: **\$630**
- Conditional Use Permit _____
 - Conditional Use Permit with no site plan changes **\$480**
 - Conditional Use Permit with site plan changes **\$480** plus applicable preliminary and final site plan fees above
- Planned Unit Development or Developer's Agreement (Site Plan Review is also required) _____
 - New Planned Unit Development or Developer's Agreement **\$1,760**
 - Planned Unit Development or Developer's Agreement Amendment **\$610**
- Annexation **NO CHARGE**
- House/Building Move **\$150**
- Street or Alley Vacations **\$150**

TOTAL APPLICATION FEES:

\$330.00

City of Waukesha

Development Review Submittal Requirements

PLAN COMMISSION CONSULTATION SUBMITTAL REQUIREMENTS AND ADDITIONAL INFORMATION

A Plan Commission Consultation may be submitted for review and comment for the owner/developer to ascertain the feasibility of a proposed project. A consultation is not required but may be submitted in advance of an actual submittal for a preliminary plat, CSM, Planned Unit Development, rezoning, conditional use or site plan. The Plan Commission will only provide feedback, no approvals will be given. Prior to applying for a Plan Commission Consultation you must discuss your project with the Planning Division to determine if a Plan Commission Consultation is recommended.

Review Time: Approximately 30 days

Reviewing Departments: Community Development Planning Division, Public Works Engineering Division, Fire Department, Water Utility.

Reviewing Boards: Plan Commission (optional)

In addition to this application and corresponding application fee you will also need:

- One (1) digital (PDF) copy of the plans you want conceptual review of
- Attachment A: Development Review Checklist . You should also review all other corresponding checklists that relate to the project that you are seeking conceptual review of and include as much information as possible.
- Cover letter outlining project details.

TRAFFIC IMPACT ANALYSIS SUBMITTAL REQUIREMENTS AND ADDITIONAL INFORMATION

A Traffic Impact Analysis is required for projects that meet certain criteria. Please refer to the Developer's Handbook Section 4.4 to determine if your project requires a Traffic Impact Analysis

Review Time: Approximately 30 days

Reviewing Departments: Public Works Engineering Division

Reviewing Boards: None, however the Plan Commission may require a copy as part of site plan review process.

In addition to this application and corresponding application fee you will also need:

- One (1) digital (PDF) copy of the Traffic Impact Analysis

PRELIMINARY SITE PLAN & ARCHITECTURAL REVIEW SUBMITTAL REQUIREMENTS AND ADDITIONAL INFORMATION

Preliminary site and architectural plans are required for any new residential development with 4 or more units and all non-residential developments. Preliminary site plan approval is also required for additions or modifications to existing developments and projects where a stormwater management plan is needed. Preliminary approval is required unless it is determined by City staff in the Pre-Application meeting that the project only needs Final Site and Architectural Review.

Review Time: Approximately 30 days (45 if Common Council review is needed)

Reviewing Departments: Community Development Planning Division, Public Works Engineering Division, Fire Department, Water Utility.

Reviewing Boards: Plan Commission. Common Council and Board of Public Works review may be required for certain projects.

In addition to this application and corresponding application fee you will also need:

- One (1) digital (PDF) that includes of items listed below
 - Cover letter outlining project details.
 - Color architectural elevations of all sides of the building and color perspective renderings
 - Conceptual Landscape Plan
 - Attachment A: Development Review Checklist
 - Site Plan (see Attachment B: Engineering Plan Checklist)
 - Grading Plan (see Attachment C: Site Grading and Drainage Plan Checklist)
 - Stormwater Management Plan (see Attachment D: Stormwater Management Plan Checklist)
 - Utility Plans (see Attachment H: Sewer Plan Review Checklist)
 - Any other attachments as applicable.

FINAL SITE PLAN & ARCHITECTURAL REVIEW PLAN SUBMITTAL REQUIREMENTS AND ADDITIONAL INFORMATION

Final site and architectural plans are submitted only after the Plan Commission has approved Preliminary Site Plans for any new residential development with 4 or more units and all non-residential developments, including modifications to existing developments. Some projects may bypass Preliminary approval but only if it is determined by City staff in the Pre-Application meeting.

Review Time: Approximately 30 days (45 if Common Council review is needed)

Reviewing Departments: Community Development Planning Division, Public Works Engineering Division, Fire Department, Water Utility.

Reviewing Boards: Plan Commission. Common Council and Board of Public Works review may be required for certain projects.

In addition to this application and corresponding application fee you will also need:

- One (1) digital (PDF) that includes of items listed below
 - Cover letter outlining project details.
 - Color architectural elevations of all sides of the building and color perspective renderings
 - Landscape Plan (see Attachment I: Landscape Plan Checklist)
 - Attachment A: Development Review Checklist
 - Site Plan (see Attachment B: Engineering Plan Checklist)
 - Grading Plan (see Attachment C: Site Grading and Drainage Plan Checklist)
 - Stormwater Management Plan (see Attachment D: Stormwater Management Plan Checklist)
 - Utility Plans (see Attachment H: Sewer Plan Review Checklist)

MINOR SITE PLAN & ARCHITECTURAL REVIEW SUBMITTAL REQUIREMENTS AND ADDITIONAL INFORMATION

Minor Site and Architectural review is intended for projects that may not need the extensive submittal requirements for Preliminary and Final Site Plan approval. Projects that qualify for Minor Site Plan submittal may include landscape, façade and building changes or minor site modifications that don't result in the addition of impervious surface.

Review Time: Approximately 30 days (45 if Common Council review is needed)

Reviewing Departments: Community Development Planning Division, Public Works Engineering Division, Fire Department, Water Utility.

Reviewing Boards: Plan Commission. Common Council and Board of Public Works review may be required for certain projects.

In addition to this application and corresponding application fee you will also need:

- One (1) digital (PDF) that includes of items listed below
 - Cover letter outlining project details.
 - Architectural elevations of all sides of the building being modified No building
- In addition, depending on the type of project, you may also need the following items:
 - Site Plan (see Attachment B: Engineering Plan Checklist)
 - Landscape Plan (see Attachment I: Landscape Plan Checklist)

CERTIFIED SURVEY MAP SUBMITTAL REQUIREMENTS AND ADDITIONAL INFORMATION

A Certified Survey Map may be used to divide up to eight (8) lots in Commercial, Industrial, and Mixed Use zoning districts and up to four (4) lots in all other zoning districts.

Review Time: Approximately 45-60 days. An extension letter will be required if the approval process will take more than 90 days.

Reviewing Departments: Community Development Planning Division, Public Works Engineering Division, Fire Department, Water Utility.

Reviewing Boards: Plan Commission. Common Council and Board of Public Works review may be required for certain projects.

In addition to this application and corresponding application fee you will also need:

- One (1) digital (PDF) that includes of items listed below
 - Attachment E: Certified Survey Map Checklist
 - Attachment A: Development Review Checklist and other attachments as applicable.

**Please note If any exterior architectural, landscape, or site plan changes are required you must also go through Site Plan Review and meet all of those submittal requirements.*

PRELIMINARY PLAT SUBMITTAL REQUIREMENTS AND ADDITIONAL INFORMATION

A Preliminary Plat shall be used to subdivide land in the City. The applicant is responsible for submitting the Preliminary Plat to Waukesha County and the State of Wisconsin for review.

Review Time: Approximately 45-60 days. An extension letter will be required if the approval process will take more than 90 days.

Reviewing Departments: Community Development Planning Division, Public Works Engineering Division, Fire Department, Water Utility.

Reviewing Boards: Plan Commission. Common Council and Board of Public Works review may be required for certain projects.

In addition to this application and corresponding application fee you will also need:

- One (1) digital (PDF) that includes of items listed below
 - Attachment F: Preliminary Plat Checklist
 - Cover letter outlining project details.
 - Attachment A: Development Review Checklist and other attachments as applicable
 - Stormwater Management Plan (see Attachment D: Stormwater Management Plan Checklist)

FINAL PLAT SUBMITTAL REQUIREMENTS AND ADDITIONAL INFORMATION

A Final plat shall be used to subdivide land in the City. The applicant is responsible for submitting the Final Plat to Waukesha County and the State of Wisconsin for review.

Review Time: Approximately 45-60 days. An extension letter will be required if the approval process will take more than 90 days.

Reviewing Departments: Community Development Planning Division, Public Works Engineering Division, Fire Department, Water Utility.

Reviewing Boards: Plan Commission. Common Council and Board of Public Works review may be required for certain projects.

In addition to this application and corresponding application fee you will also need:

- One (1) digital (PDF) that includes of items listed below
 - Attachment G: Final Plat Checklist
 - Cover letter outlining project details.
 - Attachment A: Development Review Checklist and other attachments as applicable.
 - Stormwater Management Plan (see Attachment D: Stormwater Management Plan Checklist)

REZONING & COMPREHENSIVE PLAN AMENDMENT SUBMITTAL REQUIREMENTS AND ADDITIONAL INFORMATION

This review is for any requests to rezone land or amend the City's Comprehensive Master Plan. For rezonings all property owners within 300 feet of the property will be notified of your request.

Review Time: 45-60 Days

Reviewing Departments: Community Development Planning & Building Inspection Divisions, Public Works Engineering Division, Fire Department, Water Utility.

Reviewing Boards: Plan Commission, Common Council

Additional Information: Rezoning must be done in accordance with the Comprehensive Plan. Please consult with Planning staff to determine if a Comprehensive Plan Amendment is also required prior to submitting a rezoning application.

In addition to this application and corresponding application fee you will also need:

- One (1) digital (PDF) that includes of items listed below
 - Cover letter outlining project details and rationale for rezoning
 - Rezoning Form including legal description and notarized owner(s) signatures (rezoning applications only)
 - Conceptual Plan (if applicable)

**Please note this application fee only covers the rezoning and/or Comprehensive Plan Amendment. If you are proposing site plan changes or are subdividing land you will also need to meet the applicable submittal requirements for those proposals.*

CONDITIONAL USE PERMIT SUBMITTAL REQUIREMENTS AND ADDITIONAL INFORMATION

Any use listed as a Conditional Use in Chapter 22 (Zoning Code) requires a Public Hearing in front of the Plan Commission prior to building or occupancy permits being issued. All property owners within 300 feet of the property will be notified of your request.

Review Time: 30-45 days

Reviewing Departments: Community Development Planning & Building Inspection Divisions, Public Works Engineering Division, Fire Department, Water Utility.

Reviewing Boards: Plan Commission

In addition to this application and corresponding application fee you will also need:

- One (1) digital (PDF) that includes of items listed below
 - Conditional Use Permit Application

**Please note If any exterior architectural, landscape, or site plan changes are required you must also go through Site Plan Review and meet all of those submittal requirements.*

PLANNED UNIT DEVELOPMENT OR DEVELOPER'S AGREEMENT SUBMITTAL REQUIREMENTS AND ADDITIONAL INFORMATION

The PUD Overlay District is intended to permit development that will, over a period of time, be enhanced by coordinated area site planning, diversified location of structures, diversified building heights and types, and/or mixing of compatible uses. The PUD Overlay District under this Chapter will allow for flexibility of overall development design with benefits from such design flexibility intended to be derived by both the developer and the community, while at the same time maintaining insofar as possible the standards or use requirements set forth in the underlying basic zoning district.

Developer's Agreements are used for any project that require public infrastructure improvements (sewer, storm sewer, sidewalks, etc) and other off-site improvements such as median openings, traffic signals, street widening, etc..

Review Time: 45-60 days

Reviewing Departments: Community Development Planning & Building Inspection Divisions, Public Works Engineering Division, Fire Department, Water Utility.

Reviewing Boards: Plan Commission, Common Council. Some projects will also require Board of Public Works review.

In addition to this application and corresponding application fee you will also need:

- One (1) digital (PDF) that includes of items listed below
 - Cover letter/statement that outlining project details and all of the required information set forth in the Zoning Ordinance Section 22.52 (4)(a)
 - Rezoning Form including legal description and notarized owner(s) signatures (rezoning applications only)
 - General Development Plan
 - Proposed Supplemental Design Elements (required for all PUDs under the minimum required acreage)

**Please note in addition to the PUD submittal requirements your project will also need additional application fees and submittal materials based on the project type. This may include Preliminary and Final Plats, Preliminary and Final Site and Architectural Plans, Certified Survey Maps, Traffic Impact Analysis. Staff will inform you of any additional submittal requirements at the Pre-Application meeting, which is required prior to submitting your application.*

ANNEXATION SUBMITTAL REQUIREMENTS AND ADDITIONAL INFORMATION

Requests for annexation as permitted under Section 66.0217 Wisconsin Statutes.

Review Time: 45-60 days

Reviewing Departments: Community Development Planning & Building Inspection Divisions, Public Works Engineering Division, Fire Department, Water Utility.

Reviewing Boards: Plan Commission, Common Council

In addition to this application and corresponding application fee you will also need:

- One (1) digital (PDF) that includes of items listed below
 - Copy of your State of Wisconsin Request for Annexation Review Application
 - Signed City of Waukesha Direct Annexation Petition
 - Map of property of property to be annexed.
 - A boundary description (legal description of property to be annexed)
 - Any additional information on the annexation.

HOUSE/BUILDING MOVE SUBMITTAL REQUIREMENTS AND ADDITIONAL INFORMATION

Any application to move a home or building from one location to another in the City requires review by staff and the Plan Commission.

Review Time: 30-45 days

Reviewing Departments: Community Development Planning & Building Inspection Divisions, Public Works Engineering Division, Fire Department, Water Utility, Police Department, Any affected Public Utilities

Reviewing Boards: Plan Commission

In addition to this application and corresponding application fee you will also need:

- One (1) digital (PDF) that includes of items listed below
 - Address of existing structure and address of final destination for structure
 - Site Plan showing location of house/building at the new location
 - Proposed route for moving structure. Should also include any overhead wires, mailboxes, or other obstructions that will need to be temporarily relocated to allow for the house/building to get to the new site.

STREET VACATIONS

Street Vacations must be reviewed and approved by the Plan Commission.

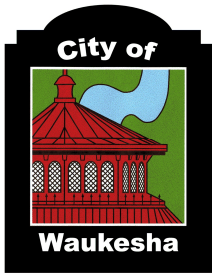
Review Time: 45-60 days

Reviewing Departments: Community Development Planning & Building Inspection Divisions, Public Works Engineering Division, Fire Department, Water Utility.

Reviewing Boards: Plan Commission, Common Council

In addition to this application and corresponding application fee you will also need:

- One (1) digital (PDF) that includes a map and legal description of the areas to be vacated.



City of Waukesha
 Department of Public Works
 201 Delafield Street
 Waukesha, WI 53188
 Waukesha-wi.gov

Engineering Plan Checklist

Attachment B
 (Rev 12/21)

Project Name: South Side Pump Station Consolidation - Milky Way Rd Pump Station

Engineering & Design Firm: Donohue & Associates

General Information

Plans shall include the seal and signature of the Wisconsin licensed professional engineer responsible for the preparation of the construction plans on the cover sheet or on each sheet

YES	NO	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Provide a copy of the WisDOT permit for any work in the State of Wisconsin right of way.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Provide a copy of the Waukesha County Department of Public Works permit for any work in right of way of Waukesha County.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Provide a copy of Wisconsin Department of Natural Resources Water Resources Application for Project Permits (WRAPP) for all sites greater than one acre.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Provide a copy of US Army Corps of Engineers 404 permit.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Provide cross access agreements for use of entrances.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Provide off-site utility easements.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Provide hydraulic gradeline calculations for all storm sewer pipes signed and sealed by a professional engineer licensed in the State of Wisconsin.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Provide a storm water management plan and calculations signed and sealed by a professional engineer licensed in the State of Wisconsin.

All Plan Sheets

YES	NO	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Plans prepared on sheets measuring 11" high by 17" wide or no larger than 24" high by 36" wide.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sanitary Sewer, watermain and storm sewer system plans for the entire development are included.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	A profile view is located below a plan view on plan and profile sheets and both views are aligned by stationing whenever possible. In general, stationing is from left to right.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Plan and profile sheets start and terminate at match lines.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The assumed bearing base, control monuments and stationing reference line(s)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Right-of-way limits and easement limits
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Edge of pavement or flange, face and back of curb
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Name of each existing, proposed, and future roadway and any intersecting roadways
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lot lines, lot and block numbers
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Addresses and names of Owners for existing parcels

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All obstructions located within the project limits including, but not limited to: trees, signs, utilities, fences, light poles, structures, etc.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A note warning that underground utilities must be located by "Diggers Hotline" prior to start of construction
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Legend (relevant to each sheet) showing all special symbols, line types and hatch used
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Title block includes at a minimum, the following information: Name and address of engineering (design) firm and owner/developer Date of the drawing and last revision Scale Plan sheet number (# of #) Name and location description of development
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	North to the top or right of the sheet and shown by a north arrow, clearly shown without intrusion.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scale of the plans 1" = 40' horizontally and 1" = 8' vertically for 11" by 17" plan sheets and 1" = 20' horizontally and 1" = 4' vertically for 22" by 34" sheets. Partial site plans have a scale of 1" = 20' or larger. The scale of details is such that the detail is clearly shown. The scale is shown with a line scale and text.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Existing surface objects indicated with screened lines and clearly labeled.

Cover Sheet

YES	NO	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Project title.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Location Map (Proximity to two main streets minimum).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Index of all plan sheets
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For large or phased subdivisions, a key map of layout and phases.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reference to a minimum of two (2) current SEWRPC reference benchmarks shall be required. Survey documentation references- Horizontal: North American Datum of 1983/2011; Vertical: North American Vertical Datum of 1988 (12)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All permanent or temporary benchmarks and elevations.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A description of the locations of the benchmarks; and the basis or origin of the vertical control network.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Date of plan preparation and applicable revision date(s)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The following statement: " <i>All site improvements and construction shown on the plans shall conform to the City of Waukesha <u>Development Handbook & Infrastructure Specifications</u>. Where the plans do not comply, it shall be the sole responsibility and expense of the Developer to make revisions to the plans and/or constructed infrastructure to comply.</i> "

Roadway

YES	NO	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For all new streets, a site specific geotechnical evaluation and pavement design submitted with the plans.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	A separate detail sheet showing typical cross-sections for each roadway standard width and cul-de-sac if applicable.

Plan View

YES	NO	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The assumed bearing base, control monuments and stationing reference line along the centerline of the roadway, including cul-de-sacs.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	At least one clearly labeled benchmark or control point per sheet.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pavement and median dimensions.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Final grade elevations at 25' intervals at the right-of-way including at the edge of pavement for rural sections or at the flange of curb for urban sections.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Final grade elevations for cul-de-sacs at 25' intervals at the right-of-way including at the edge of pavement for rural sections or at the flange of curb for urban sections.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Label all PVC's, PVT's, and PC's, PT's for vertical and horizontal curves. Radii of all intersections (edge of pavement or flange of curb, with note indicating which is referenced).
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Driveways for all lots adjacent to storm inlets and intersections.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sidewalks labeled and dimensioned.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Existing, proposed, future streets and drives labeled and dimensioned.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	All roadside ditch locations, flowline elevations at 50' intervals of the ditches.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Slope intercepts.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Invert profile for 200' downstream for any existing ditches receiving flow from a proposed road or street.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Limits of any areas which need special stabilization techniques.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Specific details of all existing connected roadways. Pavement, shoulders, ditches, curb alignment, and grades shall be shown as needed to adequately make the transition.

Intersection Details

YES	NO	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Radii of all intersections (edge of pavement or flange of curb, with note indicating which is referenced).
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sidewalks and accessible ramps labeled and dimensioned.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Right of way corner clips and sight visibility easements.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Spot grades as necessary to ensure proper drainage and compliant ADA slopes.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Spot grades shall be shown at end of radius for all curb and gutter and the end radius for all back of sidewalk.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Drainage clarified by flow arrows, high points, sags, ridges, etc. Slope intercepts shall be clearly labeled by station, elevation to the nearest 0.1', and offset distance (left or right) from the reference line.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Invert elevation of ditches (for rural roadway).
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Final subgrade elevation at the centerline of the street or roadway.

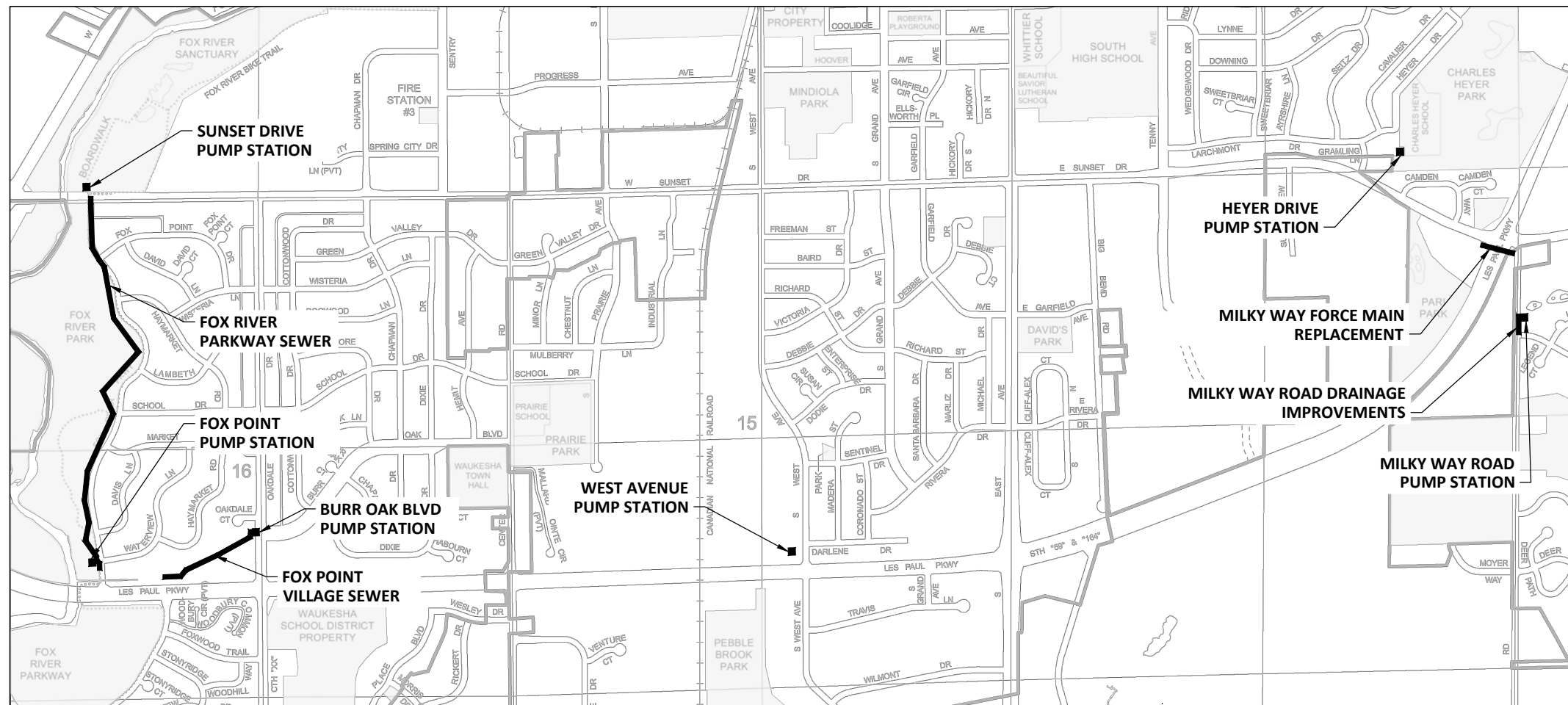
Cross Sections

YES	NO	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Right of way limits.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Slope intercepts clearly labeled.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Elevations to the nearest 0.01'.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Offset distance (left or right) from the reference line.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Final grade elevations at back of walk, face of walk, top of curb, flange elevation (edge of pavement for rural section), and the centerline of the street or roadway.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cross slope of sidewalk, terrace area, and roadway.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Invert elevation of ditches (for rural section)

SOUTH SIDE PUMP STATION CONSOLIDATION

WAUKESHA, WISCONSIN

MILKY WAY PUMP STATION



LOCATION MAP



PREPARED BY:
DONOHUE

CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS		SOUTH SIDE PUMP STATION CONSOLIDATION COVER SHEET		
APPROVED: <u>CDL</u> DATE: <u>06/23/22</u>	DRAWN BY: <u>BEG</u>	PLOT SCALE: 1 IN: 1500 FT	000-COVER 001	
APPROVED: _____ DATE: _____	CHECKED BY: <u>SJK</u>	PLOT DATE: 6/30/2022 7:27 PM	PROJECT NO: 2021 - SSPSC	

FILE NAME: P:\13866sha\DWG\000-Cover.dwg

INDEX OF SHEETS

SHEET NUMBER	DRAWING NO.	DESCRIPTION	SHEET NUMBER	DRAWING NO.	DESCRIPTION	SHEET NUMBER	DRAWING NO.	DESCRIPTION
001	000-COVER	COVER SHEET	036	020-R-1	FOX POINT PUMP STATION REMOVAL PLANS	078	030-AS-8	WEST AVENUE PUMP STATION SECTION
001 - GENERAL			037	020-R-2	FOX POINT PUMP STATION REMOVAL SECTION	079	030-M-1	WEST AVENUE PUMP STATION PLANS
002	001-GN-1	INDEX OF SHEETS	038	020-AS-1	FOX POINT PUMP STATION PLANS	080	030-M-2	WEST AVENUE PUMP STATION PLAN
003	001-GN-2	INDEX OF SHEETS	039	020-AS-2	FOX POINT PUMP STATION PLAN	081	030-M-3	WEST AVENUE PUMP STATION PLAN
004	001-GN-3	GENERAL NOTES AND CONTACTS	040	020-AS-3	FOX POINT PUMP STATION PLAN	082	030-M-4	WEST AVENUE PUMP STATION SECTIONS
005	001-GN-4	CIVIL LEGEND	041	020-AS-4	FOX POINT PUMP STATION PLAN	083	030-M-5	WEST AVENUE PUMP STATION SECTION
001 - SITE KEY			042	020-AS-5	FOX POINT PUMP STATION ELEVATIONS	084	030-M-6	WEST AVENUE PUMP STATION SECTION
006	001-CK-1	PROJECT KEY PLAN	043	020-AS-6	FOX POINT PUMP STATION SECTION	085	030-PH-1	WEST AVENUE PUMP STATION HVAC/PLUMBING PLAN
001 - SURVEY CONTROL			044	020-AS-7	FOX POINT PUMP STATION SECTION	086	030-PH-2	WEST AVENUE PUMP STATION HVAC/PLUMBING PLAN
007	001-SC-1	VERTICAL BENCHMARKS AND HORIZONTAL CONTROL POINT LISTING	045	020-AS-8	FOX POINT PUMP STATION SECTION	087	030-PH-3	WEST AVENUE PUMP STATION HVAC/PLUMBING PLAN
008	001-SC-2	ALIGNMENT DIAGRAM	046	020-M-1	FOX POINT PUMP STATION PLANS	088	030-E-1	WEST AVENUE PUMP STATION ELECTRICAL PLAN
009	001-SC-3	HORIZONTAL CONTROL POINT LOCATIONS	047	020-M-2	FOX POINT PUMP STATION PLAN	089	030-E-3	WEST AVENUE PUMP STATION ELECTRICAL PLAN
010	001-SC-4	ALIGNMENT DIAGRAM	048	020-M-3	FOX POINT PUMP STATION PLAN	090	030-EL-3	WEST AVENUE PUMP STATION LIGHTING PLAN
001 - PUMP STATION LEGENDS			049	020-M-4	FOX POINT PUMP STATION SECTIONS	091	030-N-1	WEST AVENUE PUMP STATION INSTRUMENTATION AND CONTROL PLAN
011	001-PL-1	PUMP STATION GENERAL LEGEND	050	020-M-5	FOX POINT PUMP STATION SECTION	092	030-N-2	WEST AVENUE PUMP STATION INSTRUMENTATION AND CONTROL PLAN
012	001-PL-2	PUMP STATION PLUMBING/HVAC/ELECTRICAL LEGEND	051	020-M-6	FOX POINT PUMP STATION SECTION	040 - HEYER DRIVE PUMP STATION		
013	001-PL-3	PUMP STATION I&C LEGEND	052	020-PH-1	FOX POINT PUMP STATION HVAC/PLUMBING PLAN	093	040-CEC-1	HEYER DRIVE PUMP STATION SITE EROSION CONTROL PLAN
014	001-PL-4	PUMP STATION I&C SYMBOLS	053	020-PH-2	FOX POINT PUMP STATION HVAC/PLUMBING PLAN	094	040-CR-1	HEYER DRIVE PUMP STATION SITE REMOVAL PLAN
001 - SPACE ENVIRONMENT AND HAZARDOUS RATING SCHEDULE			054	020-PH-3	FOX POINT PUMP STATION HVAC/PLUMBING PLAN	095	040-CFPGE-1	HEYER DRIVE PUMP STATION SITE FACILITY, PIPING, GRADING, AND ELECTRICAL PLAN
015	001-ENV-1	SPACE ENVIRONMENT AND HAZARDOUS RATING SCHEDULE	055	020-E-1	FOX POINT PUMP STATION ELECTRICAL PLAN	096	040-CFPGE-2	HEYER DRIVE PUMP STATION SITE FACILITY, PIPING, GRADING, AND ELECTRICAL PLAN
007 - ELECTRICAL DISTRIBUTION			056	020-E-3	FOX POINT PUMP STATION ELECTRICAL PLAN	097	040-CPD-1	HEYER DRIVE PUMP STATION SITE RESTORATION PLAN
016	007-ER-1	REMOVAL ONE LINE DIAGRAM: FOX POINT PUMP STATION	057	020-EL-3	FOX POINT PUMP STATION LIGHTING PLAN	098	040-R-1	HEYER DRIVE PUMP STATION REMOVAL PLAN
017	007-E-1	NEW ONE LINE DIAGRAM AND PANEL SCHEDULES: FOX POINT PUMP STATION	058	020-N-1	FOX POINT PUMP STATION INSTRUMENTATION AND CONTROL PLAN	099	040-R-2	HEYER DRIVE PUMP STATION REMOVAL PLAN
018	007-ER-2	REMOVAL ONE LINE DIAGRAM: WEST AVENUE PUMP STATION	059	020-N-2	FOX POINT PUMP STATION INSTRUMENTATION AND CONTROL PLAN	100	040-R-3	HEYER DRIVE PUMP STATION REMOVAL SECTION
019	007-E-2	NEW ONE LINE DIAGRAM AND PANEL SCHEDULES: WEST AVENUE PUMP STATION	030 - WEST AVENUE PUMP STATION			101	040-AS-1	HEYER DRIVE PUMP STATION PLAN
020	007-ER-3	REMOVAL ONE LINE DIAGRAM: HEYER DRIVE PUMP STATION	060	030-CEC-1	WEST AVENUE PUMP STATION SITE EROSION CONTROL PLAN	102	040-AS-2	HEYER DRIVE PUMP STATION PLAN
021	007-E-3	NEW ONE LINE DIAGRAM AND PANEL SCHEDULES: HEYER DRIVE PUMP STATION	061	030-CR-1	WEST AVENUE PUMP STATION SITE REMOVAL PLAN	103	040-AS-3	HEYER DRIVE PUMP STATION PLAN
022	007-ER-4	REMOVAL ONE LINE DIAGRAM: MILKY WAY ROAD PUMP STATION	062	030-CFPGE-1	WEST AVENUE PUMP STATION SITE FACILITY, PIPING, GRADING, AND ELECTRICAL PLAN	104	040-AS-4	HEYER DRIVE PUMP STATION SECTION AND DETAIL
023	007-E-4	NEW ONE LINE DIAGRAM: MILKY WAY ROAD PUMP STATION	063	030-CPD-1	WEST AVENUE PUMP STATION SITE RESTORATION PLAN	105	040-AS-5	HEYER DRIVE PUMP STATION SECTION AND DETAILS
024	007-ER-5	REMOVAL ONE LINE DIAGRAM: SUNSET DRIVE PUMP STATION	064	030-CFD-1	WEST AVENUE PUMP STATION SITE FACILITY PLAN DETAILS	106	040-M-1	HEYER DRIVE PUMP STATION PLAN
025	007-E-5	NEW ONE LINE DIAGRAM: SUNSET DRIVE PUMP STATION	065	030-CPV-1	WEST AVENUE PUMP STATION SITE PIPING PROFILES	107	040-M-2	HEYER DRIVE PUMP STATION PLAN
009 - PROCESS & INSTRUMENTATION DIAGRAMS			066	030-CP-1	WEST AVENUE PUMP STATION SITE PIPING DETAILS	108	040-M-3	HEYER DRIVE PUMP STATION SECTION
026	009-N-1	PROCESS & INSTRUMENTATION DIAGRAM: FOX POINT PUMP STATION	067	030-CP-2	WEST AVENUE PUMP STATION SITE PIPING DETAILS	109	040-M-4	HEYER DRIVE PUMP STATION SECTION
027	009-N-2	PROCESS & INSTRUMENTATION DIAGRAM: WEST AVENUE PUMP STATION	068	030-R-1	WEST AVENUE PUMP STATION REMOVAL PLAN	110	040-PH-1	HEYER DRIVE PUMP STATION HVAC/PLUMBING PLAN
028	009-N-3	PROCESS & INSTRUMENTATION DIAGRAM: HEYER DRIVE PUMP STATION	069	030-R-2	WEST AVENUE PUMP STATION REMOVAL PLAN	111	040-PH-2	HEYER DRIVE PUMP STATION HVAC/PLUMBING PLAN
029	009-N-4	PROCESS & INSTRUMENTATION DIAGRAM: MILKY WAY ROAD PUMP STATION	070	030-R-3	WEST AVENUE PUMP STATION REMOVAL SECTION	112	040-PH-3	HEYER DRIVE PUMP STATION HVAC/PLUMBING PLAN
020 - FOX POINT PUMP STATION			071	030-AS-1	WEST AVENUE PUMP STATION PLANS	113	040-E-1	HEYER DRIVE PUMP STATION ELECTRICAL PLAN
030	020-CEC-1	FOX POINT PUMP STATION SITE EROSION CONTROL PLAN	072	030-AS-2	WEST AVENUE PUMP STATION PLAN	114	040-E-2	HEYER DRIVE PUMP STATION ELECTRICAL PLAN
031	020-CR-1	FOX POINT PUMP STATION SITE REMOVAL PLAN	073	030-AS-3	WEST AVENUE PUMP STATION PLAN	115	040-EL-1	HEYER DRIVE PUMP STATION LIGHTING PLAN
032	020-CFPGE-1	FOX POINT PUMP STATION SITE FACILITY, PIPING, GRADING, AND ELECTRICAL PLAN	074	030-AS-4	WEST AVENUE PUMP STATION PLAN	116	040-EL-2	HEYER DRIVE PUMP STATION LIGHTING PLAN
033	020-CPD-1	FOX POINT PUMP STATION SITE RESTORATION PLAN	075	030-AS-5	WEST AVENUE PUMP STATION ELEVATIONS	117	040-N-1	HEYER DRIVE PUMP STATION INSTRUMENTATION AND CONTROL PLAN
034	020-CPM-1	FOX POINT PUMP STATION SITE PAVEMENT MARKING PLAN	076	030-AS-6	WEST AVENUE PUMP STATION SECTION	118	040-N-2	HEYER DRIVE PUMP STATION INSTRUMENTATION AND CONTROL PLAN
035	020-CPV-1	FOX POINT PUMP STATION SITE PIPING PROFILES	077	030-AS-7	WEST AVENUE PUMP STATION SECTION			

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001-GN-1

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050 - MILKY WAY ROAD PUMP STATION			157	099-N-3	I&C STANDARD DETAILS	193	800-PD-2	RESTORATION PLAN FOX RIVER PARKWAY STA 10+30 TO STA 20+00
119	050-CEC-1	MILKY WAY ROAD EROSION CONTROL PLAN	100 - TRAFFIC CONTROL			194	800-PD-3	RESTORATION PLAN FOX RIVER PARKWAY STA 20+00 TO STA 30+20
120	050-CR-1	MILKY WAY ROAD REMOVAL PLAN	158	100-TC-1	OVERALL TRAFFIC CONTROL PLAN - WEST	195	800-PD-4	RESTORATION PLAN FOX RIVER PARKWAY STA 30+20 TO STA 40+00
121	050-CPP-1	MILKY WAY ROAD PLAN AND PROFILE	159	100-TC-2	OVERALL TRAFFIC CONTROL PLAN - EAST	196	800-PD-5	RESTORATION PLAN FOX RIVER PARKWAY STA 40+00 TO STA 45+00
122	050-CPP-2	MILKY WAY ROAD PLAN AND PROFILE	160	100-TC-3	STAGE 1 SUNSET DRIVE TRAFFIC CONTROL PLAN - WEST	197	800-PD-6	RESTORATION PLAN FOX VILLAGE STA 107+00 TO STA 117+00
123	050-CPM-1	MILKY WAY ROAD PAVEMENT MARKING PLAN	161	100-TC-4	STAGE 1 SUNSET DRIVE TRAFFIC CONTROL PLAN - EAST	198	800-PD-7	RESTORATION PLAN FOX VILLAGE STA 117+00 TO STA 120+40 AND ACCESS EASEMENT
124	050-CPV-1	MILKY WAY ROAD STORM SEWER PROFILES	162	100-TC-5	STAGE 2 SUNSET DRIVE TRAFFIC CONTROL PLAN - WEST	199	800-PD-8	MILKY WAY FORCE MAIN RESTORATION PLAN
125	050-CFPGE-1	MILKY WAY ROAD PUMP STATION SITE FACILITY, PIPING, GRADING, AND ELECTRICAL PLAN	163	100-TC-6	STAGE 2 SUNSET DRIVE TRAFFIC CONTROL PLAN - EAST	800 - PAVEMENT MARKING		
126	050-CXS-1	MILKY WAY ROAD CROSS SECTIONS	164	100-TC-7	LES PAUL PARKWAY TRAFFIC CONTROL PLAN	200	800-PM-1	FOX RIVER PARKWAY PAVEMENT MARKING PLAN
127	050-CXS-2	MILKY WAY ROAD CROSS SECTIONS	100 - EROSION CONTROL			999 - CIVIL DETAILS		
128	050-CXS-3	MILKY WAY ROAD CROSS SECTIONS	165	100-EC-1	EROSION CONTROL GENERAL NOTES	201	999-C-1	CIVIL STANDARD DETAILS
060 - SUNSET DRIVE PUMP STATION			166	100-EC-2	EROSION CONTROL PLAN FOX RIVER PARKWAY STA 1+00 TO STA 10+30	202	999-C-2	CIVIL STANDARD DETAILS
129	060-CEC-1	SUNSET DRIVE PUMP STATION SITE EROSION CONTROL PLAN	167	100-EC-3	EROSION CONTROL PLAN FOX RIVER PARKWAY STA 10+30 TO STA 20+00	203	999-C-3	CIVIL STANDARD DETAILS
130	060-CR-1	SUNSET DRIVE PUMP STATION SITE REMOVAL PLAN	168	100-EC-4	EROSION CONTROL PLAN FOX RIVER PARKWAY STA 20+00 TO STA 30+20	204	999-C-4	CIVIL STANDARD DETAILS
131	060-CFPE-1	SUNSET DRIVE PUMP STATION SITE FACILITY, PIPING, AND ELECTRICAL PLAN	169	100-EC-5	EROSION CONTROL PLAN FOX RIVER PARKWAY STA 30+20 TO STA 40+00	205	999-C-5	CIVIL STANDARD DETAILS
132	060-CPM-1	SUNSET DRIVE PUMP STATION SITE PAVEMENT MARKING PLAN	170	100-EC-6	EROSION CONTROL PLAN FOX RIVER PARKWAY STA 40+00 TO STA 45+00	206	999-C-6	CIVIL STANDARD DETAILS
133	060-R-1	SUNSET DRIVE PUMP STATION REMOVAL PLAN	171	100-EC-7	EROSION CONTROL PLAN FOX VILLAGE STA 107+00 TO STA 117+00	207	999-C-7	CIVIL STANDARD DETAILS
070 - BURR OAK BLVD PUMP STATION			172	100-EC-8	EROSION CONTROL PLAN FOX VILLAGE STA 117+00 TO STA 120+40	208	999-C-8	CIVIL STANDARD DETAILS
134	070-CEC-1	BURR OAK BOULEVARD PUMP STATION SITE EROSION CONTROL PLAN	173	100-EC-9	EROSION CONTROL PLAN MILKY WAY FORCE MAIN REPLACEMENT	209	999-C-9	CIVIL STANDARD DETAILS
135	070-CR-1	BURR OAK BOULEVARD PUMP STATION SITE REMOVAL PLAN	200 - DECOMMISSIONING PLANS AND REMOVALS			210	999-C-10	CIVIL STANDARD DETAILS
136	070-CFP-1	BURR OAK BOULEVARD PUMP STATION SITE FACILITY AND PIPING PLAN	174	200-RP-1	FORCE MAIN ABANDONMENT OVERVIEW	211	999-C-11	CIVIL STANDARD DETAILS
137	070-R-1	BURR OAK BOULEVARD PUMP STATION REMOVAL PLAN	175	200-RP-2	FORCE MAIN ABANDONMENT PLAN	212	999-C-12	CIVIL STANDARD DETAILS
099 - PUMP STATION STANDARD DETAILS			176	200-RP-3	FORCE MAIN ABANDONMENT PLAN	213	999-C-13	CIVIL STANDARD DETAILS
138	099-A-1	ARCHITECTURAL STANDARD DETAILS	177	200-RP-4	FORCE MAIN ABANDONMENT PLAN	214	999-C-14	CIVIL STANDARD DETAILS
139	099-A-2	ARCHITECTURAL STANDARD DETAILS	178	200-RP-5	FORCE MAIN ABANDONMENT PLAN	215	999-C-15	CIVIL STANDARD DETAILS
140	099-S-1	STRUCTURAL STANDARD DETAILS	400 - SUNSET TO FOX POINT GRAVITY SEWER PLAN AND PROFILE			216	999-C-16	CIVIL STANDARD DETAILS
141	099-S-2	STRUCTURAL STANDARD DETAILS	179	400-PP-1	FOX RIVER PARKWAY SEWER STA 1+00 TO STA 5+35	217	999-C-17	CIVIL STANDARD DETAILS
142	099-S-3	STRUCTURAL STANDARD DETAILS	180	400-PP-2	FOX RIVER PARKWAY SEWER STA 5+35 TO STA 10+30	218	999-C-18	CIVIL STANDARD DETAILS
143	099-S-4	STRUCTURAL STANDARD DETAILS	181	400-PP-3	FOX RIVER PARKWAY SEWER STA 10+30 TO STA 15+30	219	999-C-19	CIVIL STANDARD DETAILS
144	099-S-5	STRUCTURAL STANDARD DETAILS	182	400-PP-4	FOX RIVER PARKWAY SEWER STA 15+30 TO STA 20+00	220	999-C-20	WISDOT SDD 15C12: TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
145	099-S-6	STRUCTURAL STANDARD DETAILS	183	400-PP-5	FOX RIVER PARKWAY SEWER STA 20+00 TO STA 25+00	221	999-C-21	WISDOT SDD 15D20-a: TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
146	099-S-7	STRUCTURAL STANDARD DETAILS	184	400-PP-6	FOX RIVER PARKWAY SEWER STA 25+00 TO STA 30+20	222	999-C-22	WISDOT SDD 15D21-a: TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE
147	099-M-1	PROCESS-MECHANICAL STANDARD DETAILS	185	400-PP-7	FOX RIVER PARKWAY SEWER STA 30+20 TO STA 35+25	223	999-C-23	WISDOT SDD 15D27: TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
148	099-P-1	PLUMBING STANDARD DETAILS	186	400-PP-8	FOX RIVER PARKWAY SEWER STA 35+25 TO STA 40+00	224	999-C-24	WISDOT SDD 15D28: TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
149	099-H-1	HVAC STANDARD DETAILS	187	400-PP-9	FOX RIVER PARKWAY SEWER STA 40+00 TO STA 44+50			
150	099-H-2	HVAC STANDARD DETAILS	450 - BURR OAK TO FOX POINT GRAVITY SEWER PLAN AND PROFILE					
151	099-H-3	HVAC STANDARD DETAILS	188	450-PP-1	FOX POINT VILLAGE SEWER STA 107+00 TO STA 112+00			
152	099-H-4	HVAC STANDARD DETAILS	189	450-PP-2	FOX POINT VILLAGE SEWER STA 112+00 TO STA 117+00			
153	099-E-1	ELECTRICAL STANDARD DETAILS	190	450-PP-3	FOX POINT VILLAGE SEWER STA 117+00 TO STA 120+40			
154	099-E-2	ELECTRICAL STANDARD DETAILS	700 - MILKY WAY FORCE MAIN REHABILITATION PLAN & PROFILE					
155	099-N-1	I&C STANDARD DETAILS	191	700-PP-1	MILKY WAY FORCE MAIN REPLACEMENT			
156	099-N-2	I&C STANDARD DETAILS	800 - RESTORATION					
			192	800-PD-1	RESTORATION PLAN FOX RIVER PARKWAY STA 1+00 TO STA 10+30			

FILE NAME : P:\13886she\Draw\001GN1.dwg

CITY OF WAUKESHA CONTACTS

CITY OF WAUKESHA PROJECT MANAGER

CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
201 DELAFIELD STREET
WAUKESHA, WI 53188

MR. JONATHAN SCHAPEKAHM
(262) 524-3584 - OFFICE
(262) 804-7383 - MOBILE
jschapekahn@waukesha-wi.gov

PUMP STATION AND FORCE MAINS

CITY OF WAUKESHA
600 SENTRY DRIVE
WAUKESHA, WI 53186
MR. NATE TILLIS
(262) 524-3626 - OFFICE
(414) 507-1140 - MOBILE
OR
MR. JEFF HARENDA
(262) 524-3629 - OFFICE
(414) 507-1136 - MOBILE

SANITARY SEWER/STORM SEWER

CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS
201 DELAFIELD STREET
WAUKESHA, WI 53188

MR. CHRISTOPHER LANGEMAK
(262) 524-3598 - OFFICE
(262) 349-6512 - MOBILE
clangemak@waukesha-wi.gov

OR
MR. JONATHAN SCHAPEKAHM
(262) 524-3584 - OFFICE
(262) 804-7383 - MOBILE
jschapekahn@waukesha-wi.gov

LIGHTING/FIBER OPTIC

CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS
201 DELAFIELD STREET
WAUKESHA, WI 53188

MR. JEFF HERNKE
(262) 524-3592 - OFFICE
(262) 336-5742 - MOBILE
jhernke@waukesha-wi.gov

TRAFFIC SIGNALS

CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS
201 DELAFIELD STREET
WAUKESHA, WI 53188

MR. DARRIN WOLFORD
(262) 524-3590 - OFFICE
dwolford@waukesha-wi.gov

CITY FORESTER

CITY OF WAUKESHA PARKS, RECREATION AND FORESTRY DEPARTMENT
1900 AVIATION DRIVE
WAUKESHA, WI 53188

MR. MIKE TALASKA
(262) 510-5473

GARAGE SUPERVISOR

CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS
300 SENTRY DRIVE
WAUKESHA, WI 53188
MR. BRIAN KNAPP
(414) 507-1132

UTILITY CONTACTS

GAS

WE ENERGIES
513 W33800 STH 18
DELAFIELD, WI 53121
MR. JACOB SPENCER
(262) 968-7009 - OFFICE
(414) 507-2021 - MOBILE

TO VERIFY EXISTING FACILITIES:
WE ENERGIES GAS DISPATCH
1-800-261-5325

ELECTRIC

WE ENERGIES
500 S. 116TH STREET
WEST ALLIS, WI 53214

FOR ELECTRICAL DISTRIBUTION
MR. ERIC KICKHAVER
(414) 944-5917 - OFFICE
(414) 588-7472 - MOBILE
Eric.Kickhaver@We-Energies.com

FOR CITY PUMP STATION ACCOUNTS
MR. MIKE JOHNSON
(262) 574-3051 - OFFICE
(414) 507-6482 - MOBILE
Michael-C.Johnson@We-Energies.com

TO VERIFY EXISTING FACILITIES:
WE ENERGIES ELECTRIC DISPATCH
1-800-662-4797

TELEPHONE/FIBER OPTIC/COMMUNICATION

AT&T WISCONSIN
435 S 95TH STREET
MILWAUKEE, WI 53214
MR. MATTHEW K. DINNAUER
(262) 237-0042 - MOBILE
MD9542@ATT.com

CHARTER COMMUNICATIONS (SPECTRUM)
1320 N. MARTIN LUTHER KING JR. DRIVE
MILWAUKEE, WI 53212
MR. NEAL LONG
(414) 430-7189 - OFFICE
neal.long@charter.com

MULTIMEDIA COMMUNICATIONS & ENGINEERING INC.

MR. JOEL MIKULSKY
(920) 301-7901 - OFFICE
(920) 676-0494 - MOBILE
jmikulsky@mcewi.com

TDS METROCOM, LLC
525 JUNCTION ROAD
MADISON, WI 53717
MR. MATT SCHULTE
(262) 754-3063 - OFFICE
matt.schulte@tdstelecom.com

EVERSTREAM SOLUTIONS
324 E. WISCONSIN AVENUE, SUITE 730
MILWAUKEE, WI 53202
MR. SHAD GARCIA
(414) 522-6685 - MOBILE
WI-Relocations@everstream.net

WATER

WAUKESHA WATER UTILITY
115 DELAFIELD STREET
WAUKESHA, WI 53187
MR. CHRIS WALTER
(262) 901-5886 - MOBILE
cwalter@waukesha-water.com

SEWRPC

MR. JOHN WASHBURN
(414) 218-2866

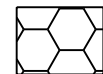

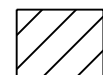



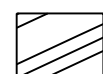

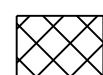



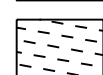







WE ENERGIES - ELECTRIC OUTAGE
800-662-4797

WE ENERGIES - GAS LEAK
800-261-5325






































GENERAL NOTES:

- NO SHRUBS OR TREES ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER. WITHIN DRIP LINE OF TREES, EXCAVATION BEHIND THE BACK OF CURB IS LIMITED TO 1 FOOT. SEE PLAN AND PROFILE SHEETS FOR LOCATIONS. CONTACT THE CITY OF WAUKESHA FORESTRY DEPARTMENT - MIKE TALASKA (262) 510 - 5473 FOR QUESTIONS REGARDING TREES.
- EROSION CONTROL DEVICES SHALL BE PLACED IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS DETERMINED BY THE ENGINEER.
- THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING FROM THE OWNERS OF EXISTING UTILITIES THE LOCATIONS OF THEIR BURIED FACILITIES. ANY UTILITIES DAMAGED OR DESTROYED BY THE CONTRACTOR'S OPERATIONS, WHETHER SHOWN ON THE DRAWINGS OR NOT, SHALL BE REPLACED OR REPAIRED AT NO COST TO THE CITY.
- CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE AND ALL UTILITIES LISTED TO VERIFY UTILITY WORK STATUS PRIOR TO BIDDING.
- ELEVATIONS CALLED OUT ON THE DRAWINGS ARE TYPICALLY AT THE "INVERT" OR BOTTOM OF PIPES AND STRUCTURES, ALONG THE FLANGE LINE OF CURBS, AND AT THE "RIM" OF OR TOP (FINISHED GRADE) OF THE FRAMES AND COVERS. OTHER ELEVATIONS ARE SPECIFICALLY NOTED.
- THE TOPOGRAPHIC MAPPING IS BASED ON SURVEY PERFORMED BY RA SMITH IN OCTOBER 2021 AND JANUARY 2022.
- HORIZONTAL COORDINATE SYSTEM: WISCONSIN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 1983 DATUM).
- VERTICAL DATUM: NGVD 1929.
- AS PART OF THE CONTRACTOR'S RESPONSIBILITY, A DETAILED SET OF RECORD DRAWINGS SHALL BE KEPT TO RECORD CHANGES OR DEVIATIONS FROM THE PLANS AND TO SHOW EXISTING UNDERGROUND UTILITIES OR OTHER FEATURES ENCOUNTERED DURING CONSTRUCTION.
- TELEVIEW ALL STORM SEWERS AND SANITARY SEWERS AND LATERALS WITHIN THE PROJECT LIMITS AFTER UNDERGROUND WORK HAS BEEN COMPLETED BUT BEFORE THE FINAL PAVEMENT HAS BEEN PLACED.
- THE CONTRACTOR SHALL MAKE PROVISIONS TO MAINTAIN FLOW IN ALL SANITARY AND STORM SEWERS AT ALL TIMES. BYPASS PUMPING WILL BE REQUIRED AND SHALL BE SUFFICIENT TO CONVEY ALL THE FLOWS UNDER ALL CONDITIONS, INCLUDING WET WEATHER.
- CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING CONSTRUCTION OF THE PROJECT.
- THE CONTOURS AND ELEVATIONS ARE BELIEVED TO BE REASONABLY CORRECT BUT ARE PRESENTED ONLY AS APPROXIMATIONS. CONTRACTOR'S REGISTERED PROFESSIONAL SURVEYOR SHALL VERIFY ALL ELEVATIONS AND VERIFY/ESTABLISH PROJECT BENCHMARKS AS REQUIRED TO COMPLETE THE WORK.
- EXISTING GRADES, STRUCTURES, ELEVATIONS, PIPING, AND UTILITIES ARE INDICATED IN THEIR APPROXIMATE LOCATIONS ON THE PLANS; HOWEVER, THE INFORMATION IS NOT GUARANTEED TO BE CORRECT AND/OR COMPLETE, HAVING BEEN PLOTTED FROM AVAILABLE DRAWINGS, RECORDS, AND SURVEYS PREPARED BY OTHERS. ALL SUCH DATA SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION AND CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL SITE FACILITIES DURING CONSTRUCTION. CONTRACTOR SHALL PLAN HIS WORK SEQUENCE AND ACTIVITIES TO ENSURE THAT HIS WORK DOES NOT INTERFERE WITH PUBLIC NEEDS OR PUBLIC FACILITIES OPERATIONS, DELIVERIES, PICKUPS OR OTHER ACCESS NEEDS.
- THE CONTRACTOR SHALL COORDINATE THE ACTIVITIES OF HIS PERSONNEL, SUBCONTRACTORS, AND UTILITIES PERFORMING WORK ON THIS PROJECT. THE CONTRACTOR SHALL ALSO COORDINATE WITH CITY CREWS AND OTHER CONTRACTORS WORKING IN OR NEAR THE PROJECT AREA.
- THE CONTRACTOR SHALL MAINTAIN ON FILE WITH THE OWNER AND ENGINEER A CURRENT LIST OF EMERGENCY TELEPHONE NUMBERS FOR THE CONTRACTORS SUPERVISORY PERSONNEL ASSIGNED TO THIS PROJECT. NO LESS THAN TWO NAMES WITH 24 HOUR PHONE NUMBERS SHALL BE INCLUDED.
- WHERE NEW WORK ABUTS EXISTING CURBS, SIDEWALK, DRIVES, OR OTHER PAVEMENTS WHICH ARE TO REMAIN IN PLACE, THE CONTRACTOR SHALL PROVIDE NEAT SAWCUTS, FULL DEPTH AT THE LIMIT OF CONSTRUCTION.
- THE CONTRACTOR SHALL PROTECT ALL PROPERTY PINS (STEEL REBARS, PIPES, CAPPED PINS, ETC.) WHICH WERE FOUND OR LOCATED ON THE PROJECT SITE WHETHER SHOWN ON THE PLANS OR ENCOUNTERED DURING CONSTRUCTION FROM BEING DAMAGED, DESTROYED, OR MOVED. IF PROPERTY PINS ARE DAMAGED, DESTROYED, OR MOVED, THE CONTRACTOR SHALL PROVIDE THE SERVICES OF A REGISTERED WISCONSIN LAND SURVEYOR TO REPLACE THEM AT NO COST TO THE OWNER.

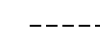
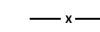
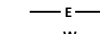
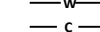
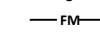
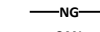
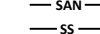
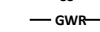
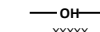

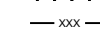
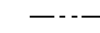

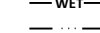
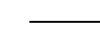
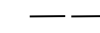
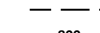
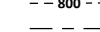
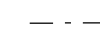
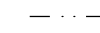
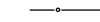
HATCH LEGEND

	TRACKING PAD		MULTI-USE ASPHALT TRAIL PAVEMENT AND BASE RESTORATION
	REMOVE ASPHALT PAVEMENT AND BASE, FULL DEPTH		FULL DEPTH CONCRETE PAVEMENT REPLACEMENT
	REMOVE EXISTING CONCRETE PAVEMENT AND BASE OR SIDEWALK AND BASE, FULL DEPTH		CONCRETE DRIVEWAY AND BASE
	MILL EXISTING ASPHALT ROADWAY - 2"		CONCRETE SIDEWALK AND BASE
	STRUCTURE DEMOLITION		CONCRETE SIDEWALK AND BASE
	REMOVE ASPHALT PAVEMENT, FULL DEPTH, EXISTING BASE TO REMAIN		INTEGRATED BANK TREATMENT
	MILL EXISTING ASPHALT ROADWAY, FULL DEPTH, EXISTING BASE TO REMAIN		SOD RESTORATION
	FULL DEPTH ASPHALT PAVEMENT REPLACEMENT		4" TOPSOIL, WISDOT NO. 40 SEED MIXTURE, FERTILIZER, EROSION CONTROL MAT
	ASPHALTIC SURFACE REPLACEMENT, EXISTING BASE TO REMAIN AND BE RE-GRADED		4" TOPSOIL, WISDOT NO. 70 SEED MIXTURE, FERTILIZER, EROSION CONTROL MAT
	MILL ASPHALT ROADWAY - 2" 2" HMA PAVEMENT OVERLAY		NATIVE WETLAND RESTORATION (WITH E-MAT, NO FERTILIZER)

SYMBOL LEGEND

	- BUSH
	- GAS VALVE
	- HYDRANT
	- JUNCTION BOX
	- LIGHT POLE
	- POWER POLE
	- SANITARY SEWER MANHOLE
	- STORM SEWER MANHOLE
	- AIR RELEASE MANHOLE
	- ELECTRIC MANHOLE
	- TELEPHONE MANHOLE
	- WATER MANHOLE
	- WATER VALVE
	- RECTANGULAR STORM INLET
	- TELEPHONE PEDESTAL
	- ELECTRICAL PEDESTAL
	- COMMUNICATION PEDESTAL
	- ELECTRICAL METER / CONTROL CABINET
	- SOIL BORING/WETLAND SAMPLE POINT
	- EDGE OF WATER POINT
	- GUY ANCHOR
	- DECIDUOUS TREE
	- CONIFEROUS TREE
	- SIGN
	- EDGE OF WETLAND POINT
	- SURVEY MONUMENT/SECTION CORNER
	- SURVEY BENCHMARK
	- SURVEY CONTROL POINT
	- ROUND STORM INLET
	- MARKER POST
	- TRAFFIC LIGHT
	- LANDSCAPING LIGHT
	- FLAG POLE
	- MAILBOX
	- MISCELLANEOUS
	- GUARD POST
	- CAUTION SYMBOL

LINETYPE LEGEND

	- GUY WIRE
	- FENCE
	- BURIED ELECTRIC
	- WATER MAIN
	- COMMUNICATIONS
	- FORCE MAIN
	- GAS MAIN
	- SANITARY SEWER
	- STORM SEWER
	- GREAT WATER RETURN
	- OVERHEAD UTILITY
	- PROP. SAWCUT AT PAVING LIMITS
	- PIPE ABANDONMENT
	- PIPE REMOVAL
	- SECTION LINE
	- TREE LINE
	- WETLAND BOUNDARY
	- EDGE OF WATER
	- PROPERTY LINE/ROW
	- PERMANENT UTILITY EASEMENT
	- TEMPORARY CONSTRUCTION EASEMENT

NOTE: EXISTING FEATURES USE THE SAME SYMBOLS/LINETYPES AND ARE HALF-TONE.

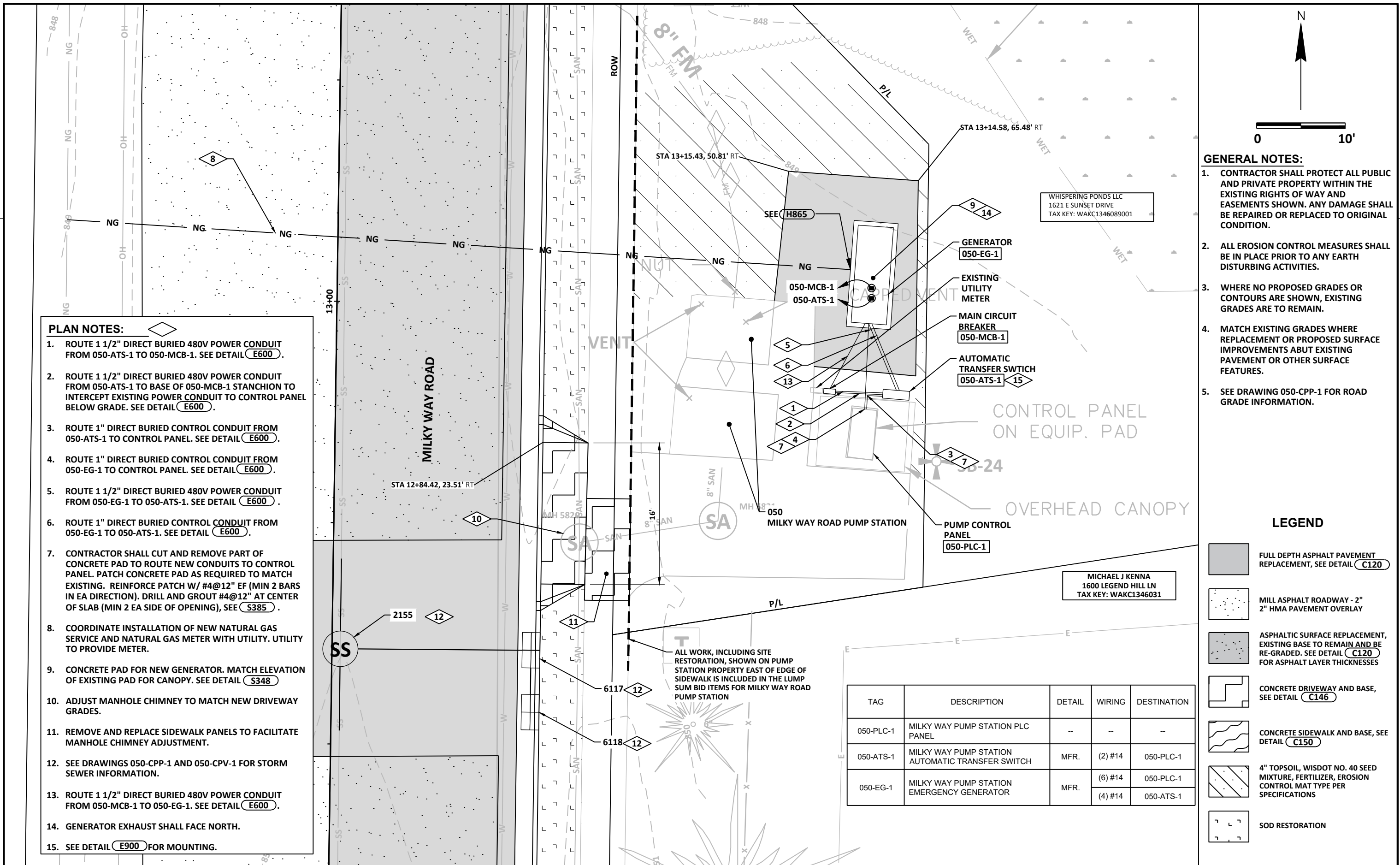


VERTICAL BENCHMARKS

ID	ELEVATION	DESCRIPTION
BM 1	803.07	NW FLANGE BOLT ON HYDRANT, NE QUADRANT OF OAKDALE DRIVE/BURR OAK BLVD INTERSECTION
BM 2	797.53	NW FLANGE BOLT ON HYDRANT, SE QUADRANT OF FOX RIVER PKWY/WATERVIEW LANE INTERSECTION
BM 3	798.86	NW FLANGE BOLT ON HYDRANT, 1841 FOX RIVER PARKWAY
BM 4	799.83	NW FLANGE BOLT ON HYDRANT, 1805 FOX RIVER PARKWAY
BM 5	796.98	NW FLANGE BOLT ON HYDRANT, SE QUADRANT OF FOX RIVER PKWY/LAMBETH ROAD INTERSECTION
BM 6	797.41	NW FLANGE BOLT ON HYDRANT, 1621 FOX RIVER PARKWAY
BM 7	799.12	NW FLANGE BOLT ON HYDRANT, NE QUADRANT OF FOX RIVER PKWY/HAYMARKET ROAD INTERSECTION
BM 8	795.27	RR SPIKE ON SOUTH FACE OF LIGHT POLE, WEST SIDE OF FOX RIVER PKWY/FOX POINT DRIVE INTERSECTION
BM 9	796.75	NW FLANGE BOLT ON HYDRANT, EAST SIDE OF FOX RIVER PKWY APPROX 275 FT SOUTH OF W. SUNSET DRIVE
BM 10	795.55	NW CORNER OF CONC TRANSFORMER PAD, NORTH OF W. SUNSET DRIVE AND FOX RIVER PKWY INTERSECTION
BM 11	814.86	SPIKE IN EAST FACE OF POWER POLE #09-05342, W SIDE OF S. WEST AVENUE/DARLENE DRIVE INTERSECTION
BM 12	857.50	NW FLANGE BOLT ON HYDRANT, NE QUADRANT OF MILKY WAY ROAD/LEGEND HILL LANE INTERSECTION
BM 13	856.84	CHISELED BOX ON NW CORNER OF CONC TRANSFORMER PAD, SE QUADRANT OF LES PAUL/SUNSET DRIVE INTERSECTION

HORIZONTAL CONTROL POINTS

ID	NORTHING	EASTING	DESCRIPTION
CP 1	362450.71	2437465.07	FOUND MAG NAIL MARKING THE EAST 1/4 CORNER OF SECTION 16-6-19
CP 2	359785.15	2437495.00	FOUND CONC. MONUMENT WITH BRASS CAP MARKING THE SE CORNER OF SECTION 16-6-69



PLAN NOTES:

1. ROUTE 1 1/2" DIRECT BURIED 480V POWER CONDUIT FROM 050-ATS-1 TO 050-MCB-1. SEE DETAIL (E600).
2. ROUTE 1 1/2" DIRECT BURIED 480V POWER CONDUIT FROM 050-ATS-1 TO BASE OF 050-MCB-1 STANCHION TO INTERCEPT EXISTING POWER CONDUIT TO CONTROL PANEL BELOW GRADE. SEE DETAIL (E600).
3. ROUTE 1" DIRECT BURIED CONTROL CONDUIT FROM 050-ATS-1 TO CONTROL PANEL. SEE DETAIL (E600).
4. ROUTE 1" DIRECT BURIED CONTROL CONDUIT FROM 050-EG-1 TO CONTROL PANEL. SEE DETAIL (E600).
5. ROUTE 1 1/2" DIRECT BURIED 480V POWER CONDUIT FROM 050-EG-1 TO 050-ATS-1. SEE DETAIL (E600).
6. ROUTE 1" DIRECT BURIED CONTROL CONDUIT FROM 050-EG-1 TO 050-ATS-1. SEE DETAIL (E600).
7. CONTRACTOR SHALL CUT AND REMOVE PART OF CONCRETE PAD TO ROUTE NEW CONDUITS TO CONTROL PANEL. PATCH CONCRETE PAD AS REQUIRED TO MATCH EXISTING. REINFORCE PATCH W/ #4@12" EF (MIN 2 BARS IN EA DIRECTION). DRILL AND GROUT #4@12" AT CENTER OF SLAB (MIN 2 EA SIDE OF OPENING), SEE (S385).
8. COORDINATE INSTALLATION OF NEW NATURAL GAS SERVICE AND NATURAL GAS METER WITH UTILITY. UTILITY TO PROVIDE METER.
9. CONCRETE PAD FOR NEW GENERATOR. MATCH ELEVATION OF EXISTING PAD FOR CANOPY. SEE DETAIL (S348).
10. ADJUST MANHOLE CHIMNEY TO MATCH NEW DRIVEWAY GRADES.
11. REMOVE AND REPLACE SIDEWALK PANELS TO FACILITATE MANHOLE CHIMNEY ADJUSTMENT.
12. SEE DRAWINGS 050-CPP-1 AND 050-CPV-1 FOR STORM SEWER INFORMATION.
13. ROUTE 1 1/2" DIRECT BURIED 480V POWER CONDUIT FROM 050-MCB-1 TO 050-EG-1. SEE DETAIL (E600).
14. GENERATOR EXHAUST SHALL FACE NORTH.
15. SEE DETAIL (E900) FOR MOUNTING.

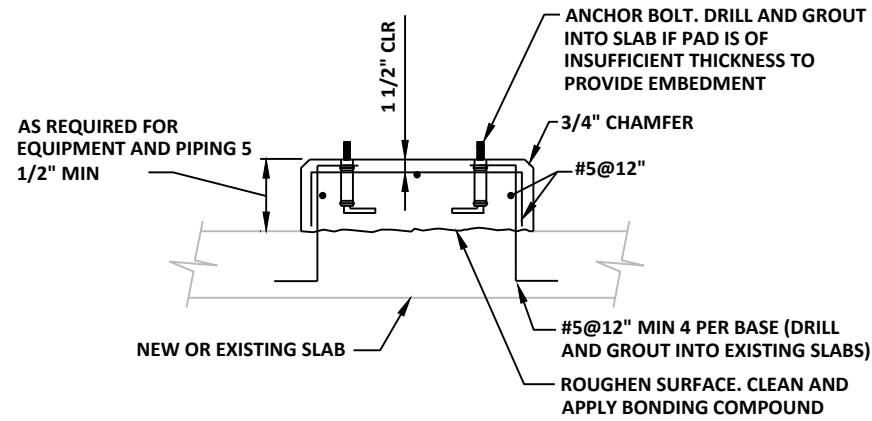
GENERAL NOTES:

1. CONTRACTOR SHALL PROTECT ALL PUBLIC AND PRIVATE PROPERTY WITHIN THE EXISTING RIGHTS OF WAY AND EASEMENTS SHOWN. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION.
2. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY EARTH DISTURBING ACTIVITIES.
3. WHERE NO PROPOSED GRADES OR CONTOURS ARE SHOWN, EXISTING GRADES ARE TO REMAIN.
4. MATCH EXISTING GRADES WHERE REPLACEMENT OR PROPOSED SURFACE IMPROVEMENTS ABUT EXISTING PAVEMENT OR OTHER SURFACE FEATURES.
5. SEE DRAWING 050-CPP-1 FOR ROAD GRADE INFORMATION.

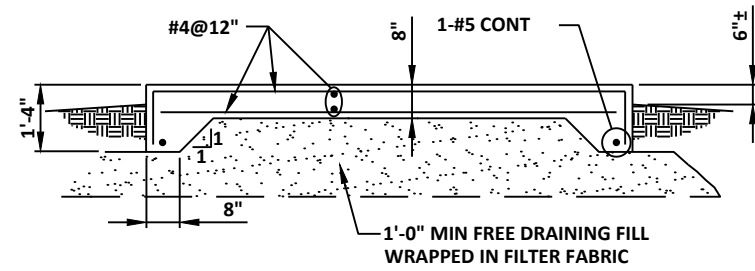
LEGEND

- FULL DEPTH ASPHALT PAVEMENT REPLACEMENT, SEE DETAIL (C120)
- MILL ASPHALT ROADWAY - 2" 2" HMA PAVEMENT OVERLAY
- ASPHALTIC SURFACE REPLACEMENT, EXISTING BASE TO REMAIN AND BE RE-GRADED. SEE DETAIL (C120) FOR ASPHALT LAYER THICKNESSES
- CONCRETE DRIVEWAY AND BASE, SEE DETAIL (C146)
- CONCRETE SIDEWALK AND BASE, SEE DETAIL (C150)
- 4" TOPSOIL, WISDOT NO. 40 SEED MIXTURE, FERTILIZER, EROSION CONTROL MAT TYPE PER SPECIFICATIONS
- SOD RESTORATION

TAG	DESCRIPTION	DETAIL	WIRING	DESTINATION
050-PLC-1	MILKY WAY PUMP STATION PLC PANEL	--	--	--
050-ATS-1	MILKY WAY PUMP STATION AUTOMATIC TRANSFER SWITCH	MFR.	(2) #14	050-PLC-1
050-EG-1	MILKY WAY PUMP STATION EMERGENCY GENERATOR	MFR.	(6) #14 (4) #14	050-PLC-1 050-ATS-1

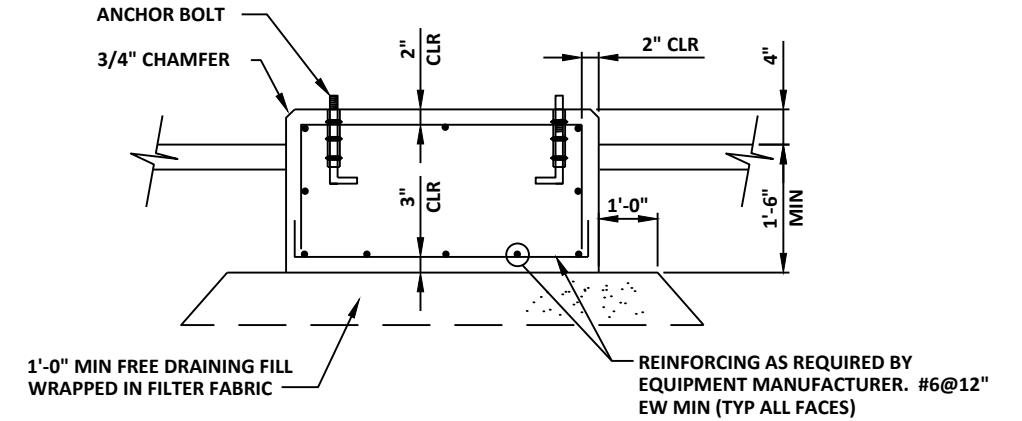


EQUIPMENT PAD DETAIL S343
NTS



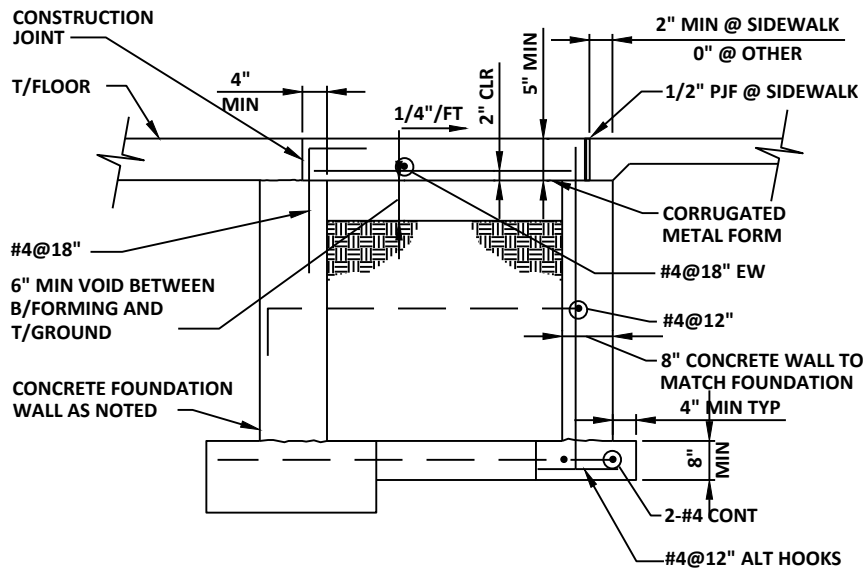
NOTES:
1. AT CONTRACTORS OPTION, PAD CAN BE PLACED FULL THICKNESS THROUGHOUT

EQUIPMENT PAD DETAIL S346
NTS

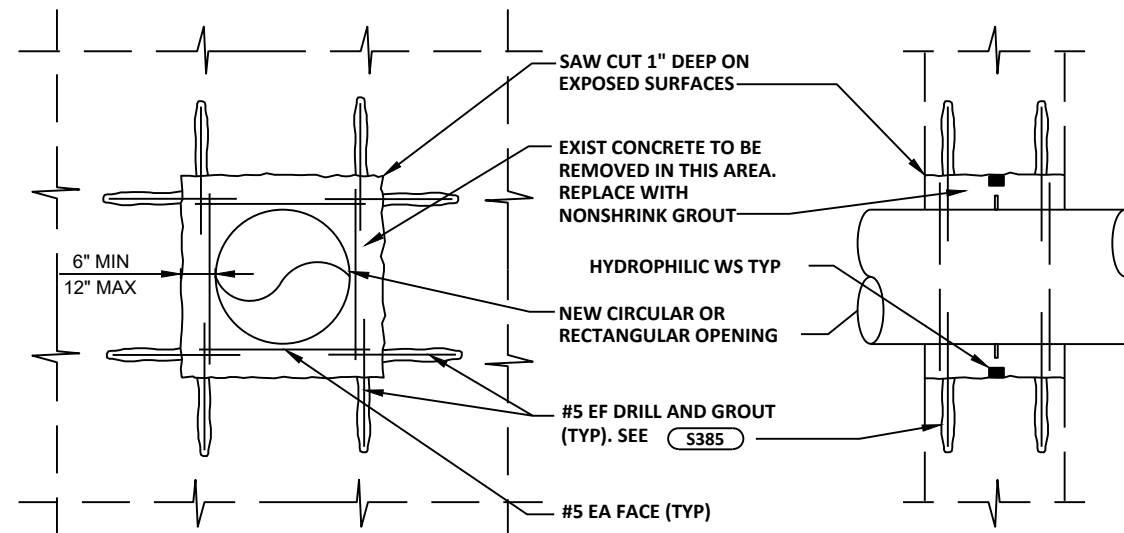


NOTES:
1. CONCRETE BASE AS REQUIRED BY EQUIPMENT MANUFACTURER. MINIMUM OF 2 TIMES THE MASS OF EQUIPMENT SUPPORTED OR 10 TIMES THE MASS OF MOVING PARTS, WHICHEVER IS GREATER.

EQUIPMENT PAD DETAIL S348
NTS

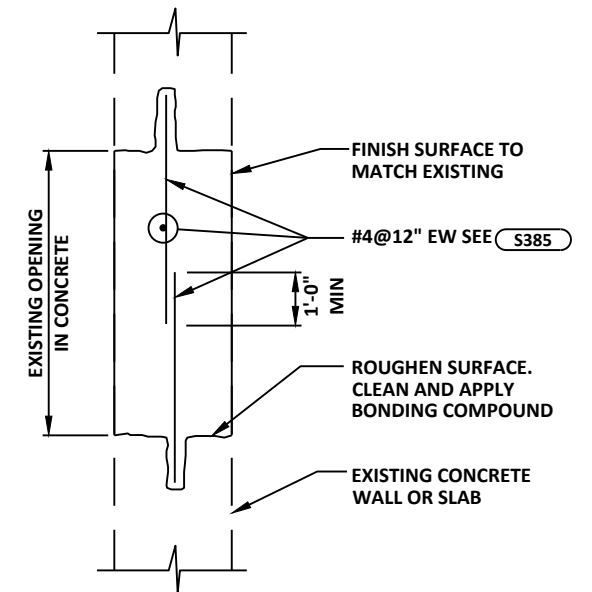


DOOR STOOP DETAIL S362
NTS



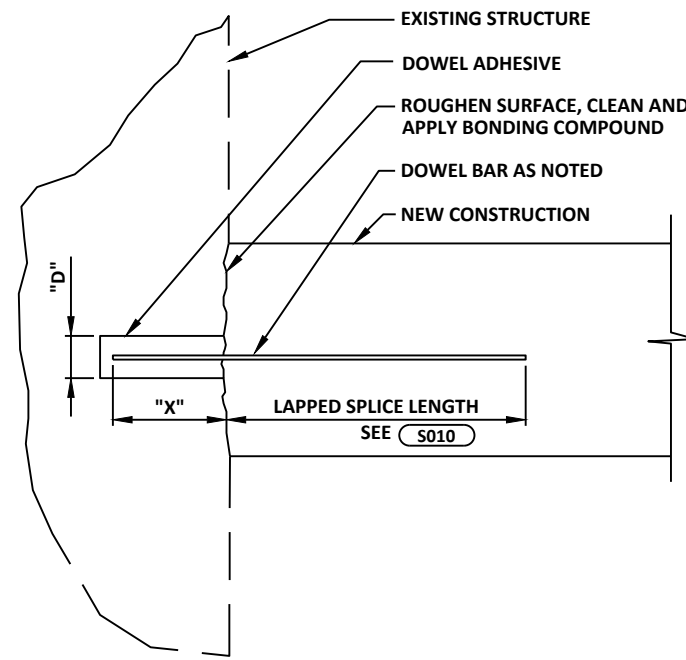
NOTES:
1. PRESERVE EXISTING REINFORCING OUTSIDE OF NEW OPENING

NEW OPENING THRU EXISTING WALL OR SLAB DETAIL S371
NTS



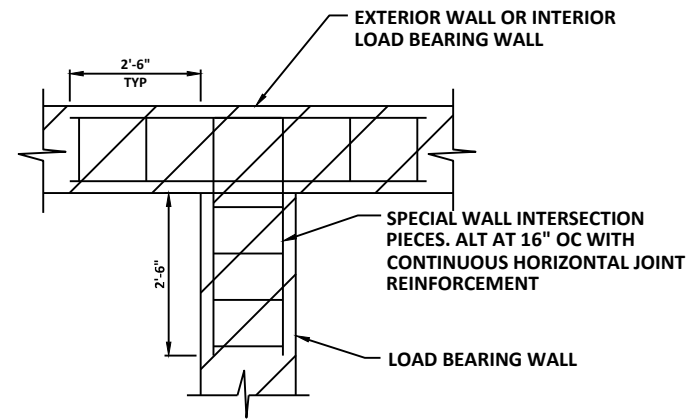
NOTES:
1. USE FOR OPENINGS 4'-0" SQ AND SMALLER WITH DRY FACES BOTH SIDES OR WHERE NOTED.
2. REINFORCEMENT NOT REQUIRED FOR OPENINGS ≤ 16".

CONCRETE OPENING PATCHING DETAIL S372
NTS

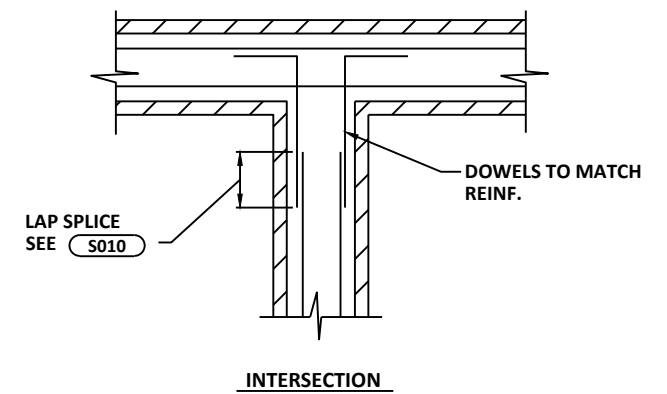
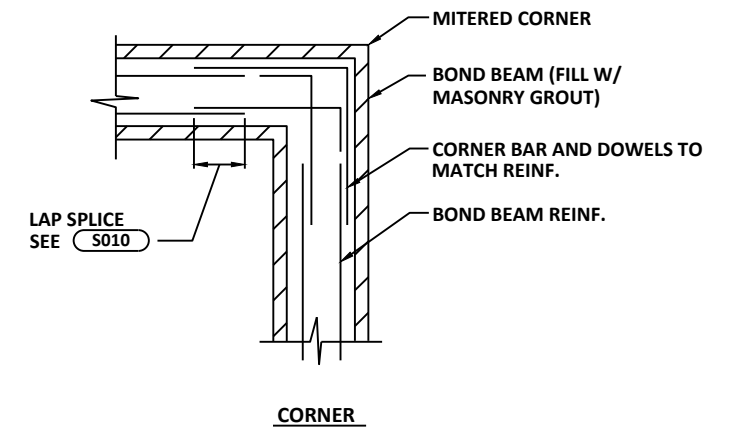


- NOTES:**
1. EMBEDMENT "X"=16 BAR DIAMETERS MIN.
 2. HOLE DIAMETER "D"=PER EPOXY MFR.

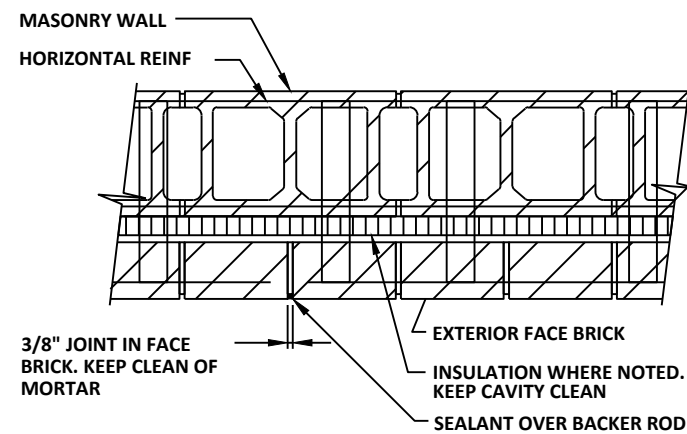
DRILLED IN DOWEL DETAIL S385
NTS



LOAD BEARING MASONRY WALL INTERSECTION REINFORCING DETAIL S400
NTS

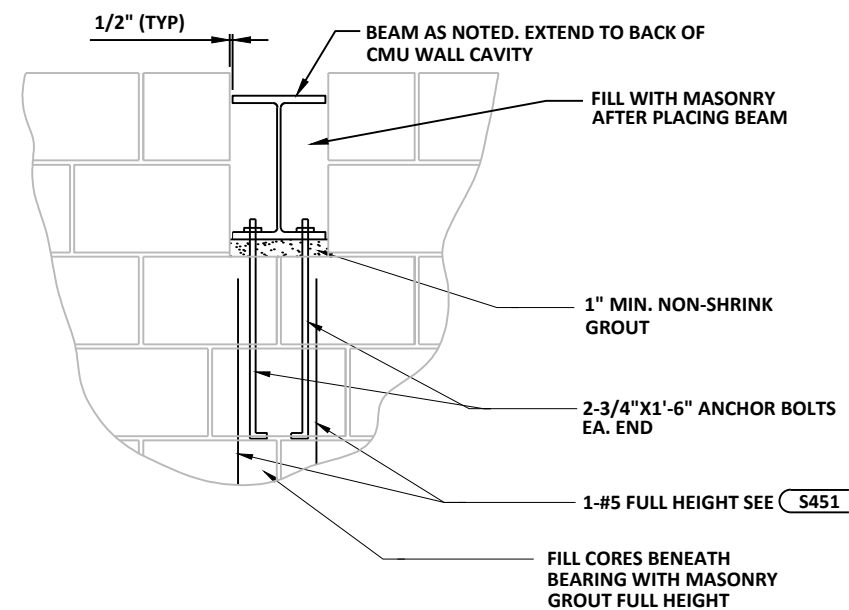


BOND BEAM REINFORCEMENT DETAIL S401
NTS

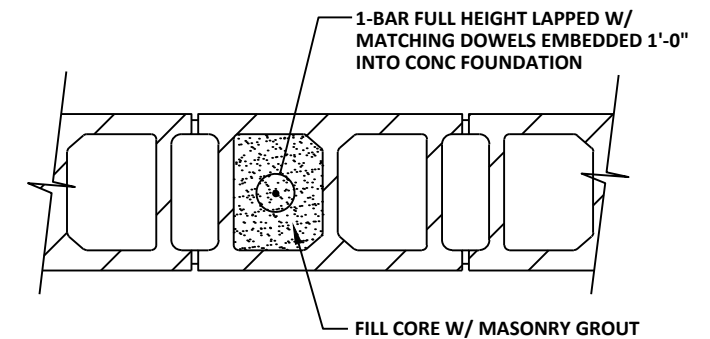


- NOTES:**
1. DISCONTINUE HORIZONTAL REINFORCING AT BRICK CONTROL JOINT.

BRICK CONTROL JOINT DETAIL S432
NTS

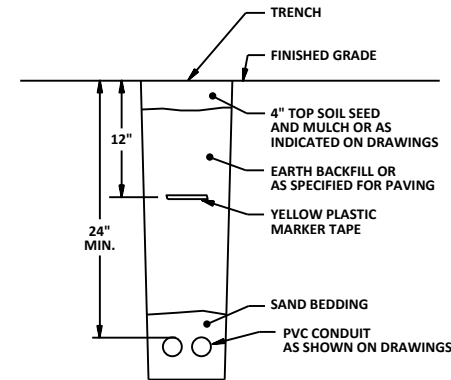


BEAM SEAT DETAIL S441
NTS

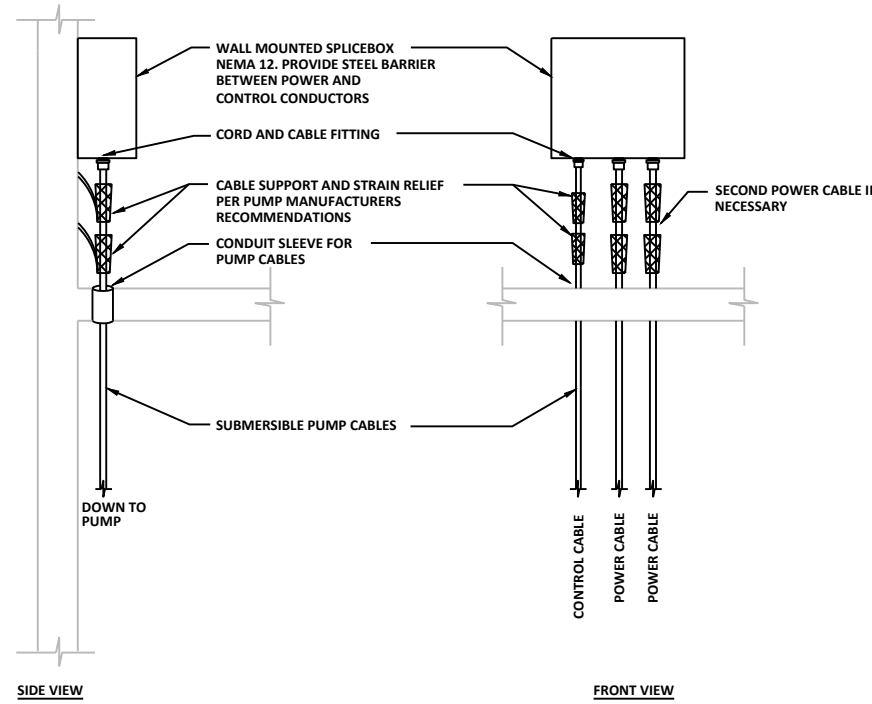


- NOTES:**
1. REINFORCING SIZE AND SPACING AS NOTED.
 2. TYPICAL WHERE NOTED ON PLANS AS THUS ●
 3. PROVIDE CLEANOUT AT BASE OF WALL WHERE GROUT PLACEMENT HEIGHT EXCEEDS 4 FEET VERTICALLY.

REINFORCED MASONRY DETAIL S451
NTS

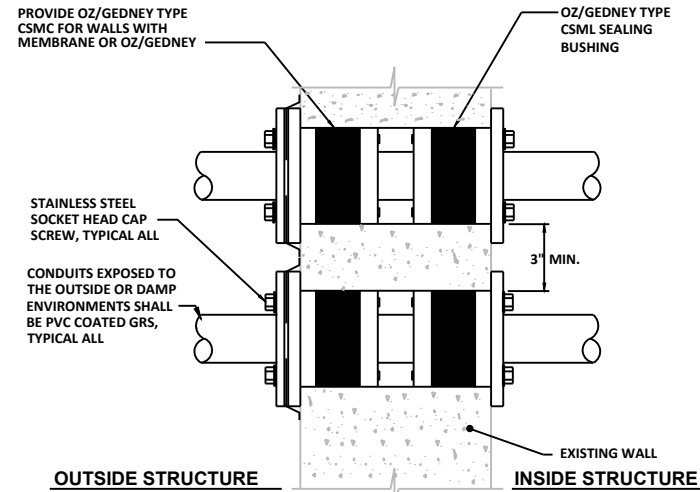


UNDERGROUND CONDUIT DETAIL E600
NTS



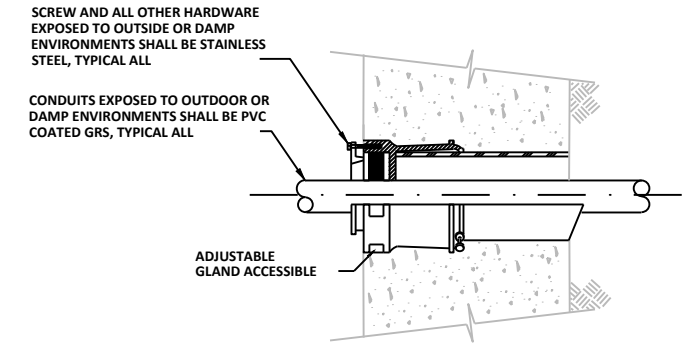
RWW PUMP SPLICEBOX DETAIL E700
NTS

NOTE: PROVIDE SEPARATE SPLICE BOX FOR EACH PUMP.



CONDUIT ENTRY THRU EXISTING WALL WITH MEMBRANE DETAIL E800
NTS

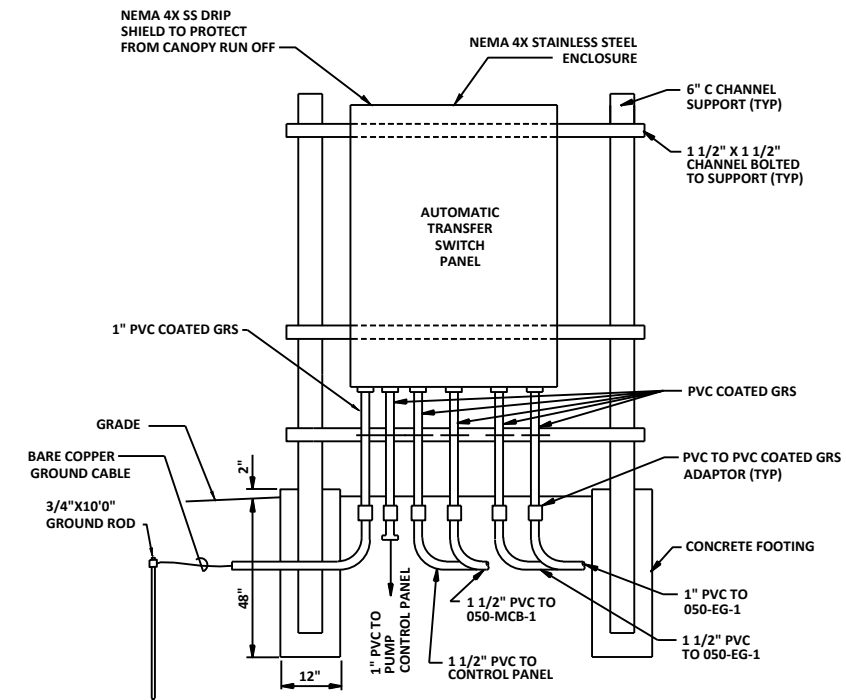
NOTE: CORE DRILL THE EXISTING WALL TO INSTALL THIS SEALING.



WATERTIGHT WALL CONDUIT SEAL E810
NTS

NOTE: USE WATERTIGHT CONDUIT SEAL WHERE CONDUIT PENETRATIONS OF EXTERIOR WALLS ARE BELOW GRADE

FIXTURE SCHEDULE						
TYPE	DESCRIPTION	LAMPS		MANUFACTURER	CATALOG NUMBER	REMARKS
		WATTS	LUMENS			
⊗	QM LED EMERGENCY AND EXIT LIGHT	-	100	HOLOPHANE	QM LED R HO SD	WALL MOUNT ABOVE THE DOOR
A	EMS LED L48	-	6000	HOLOPHANE	EMS L48 6000LM IMAFL MD 120 40K 80CRI	PENDANT MOUNT 8'-0" ABOVE THE FLOOR UNLESS NOTED OTHERWISE.
B	WF6 6" SWITCHABLE SOFFIT CAN LIGHT	-	780	LITHONIA	WF6 LED 27K 90CRI MW	MOUNT ABOVE THE EXTERIOR DOOR
C	LED AREA WITH PHOTOCCELL LUMINAIRE ROADWAY FIXTURE ON 30' POLE	-	25000	HOLOPHANE	ATBL-D-MVOLT-R5 WITH 30' TAPERED ALUMINUM POLE WITH HANDHOLE AND NATURAL FINISH	POLE MOUNTED SEE DETAIL E502
D	PETROLUX LED WET LOCATION HIGHBAY	-	5000	HOLOPHANE	PLED2 5000LM L5 120 40K 70CRI UNM DGXD	PENDANT MOUNT SEE DRAWINGS FOR MOUNTING HEIGHT



AUTOMATIC TRANSFER SWITCH PANEL MOUNTING DETAIL E900
NTS

EROSION CONTROL MEASURES CONSTRUCTION SEQUENCING

1. INSTALL INLET PROTECTION.
2. INSTALL TRACKING PADS.
3. INSTALL PERIMETER CONTROL WHERE SHOWN.
4. REMOVE TOPSOIL FROM CONSTRUCTION AREA THAT WILL BE WORKED ON FIRST. DO NOT REMOVE TOPSOIL FROM AREAS WHERE NO CONSTRUCTION ACTIVITIES WILL OCCUR WITHIN 14 DAYS. TEMPORARILY STOCKPILE TOPSOIL ON SITE.
5. PROVIDE SILT FENCE AROUND THE PERIMETER OF THE STOCKPILE(S).
6. SAWCUT AND REMOVE ROADWAY PAVEMENT WHERE REQUIRED.
7. EXCAVATE TRENCHES AND DEWATER IF NECESSARY.
8. TRENCHING AND PIPE INSTALLATION WILL BE PERFORMED IN STAGES TO MINIMIZE EXTENT OF SURFACE DISTURBANCE.
9. RESTORE SURFACE AS SHOWN IN RESTORATION DRAWINGS.
10. INSPECT WORK AREA AND REMOVE EXCESS SEDIMENT THAT HAS COLLECTED IN VEGETATED AREAS OR STORM SEWERS DURING CONSTRUCTION.
11. INSPECT SITE AND REPAIR ANY AREAS WHERE VEGETATION HAS BEEN DAMAGED OR LAWN IS NOT ADEQUATELY ESTABLISHED.

EROSION CONTROL NOTES

1. POST WDNR CERTIFICATE OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
2. COMPLY WITH WDNR WATER RESOURCES APPLICATION FOR PROJECT PERMITS (FORM 3500-053) PREPARED IN ACCORDANCE WITH WPDES GENERAL PERMIT.
3. OFF-SITE DISPOSAL SITES ARE NOT COVERED UNDER THE OWNER OBTAINED PERMIT. CONTRACTOR MUST OBTAIN PERMIT FOR OFF-SITE WASTE SITES.
4. INSPECT CONSTRUCTION SITE, MAINTAIN INSPECTION LOG, AND MAKE CORRECTIONS OR REPAIRS REQUIRED.
5. KEEP EROSION CONTROL PLAN AND INSPECTION LOG ON SITE, AVAILABLE FOR REVIEW BY WDNR. PLAN REVISIONS SHALL BE SUBMITTED TO WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION. THE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
6. STOCKPILES SHALL BE STABILIZED BY TEMPORARY SEEDING AND MULCHING IF THEY ARE TO REMAIN FOR MORE THAN 7 DAYS. STOCKPILES SHALL BE SETBACK A MINIMUM OF 25' FROM CHANNELIZED FLOW AND EROSION CONTROL DEVICES.
7. PLACE EROSION MAT ON ALL DISTURBED AREAS.
8. ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AREA OF BARE SOIL EXPOSED AT ANY ONE TIME. WHEN POSSIBLE, PRESERVE EXISTING VEGETATION, MINIMIZE LAND DISTURBING ACTIVITIES ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION AND PRESERVE TOPSOIL.
9. DISTURBED SOIL OUTSIDE OF THE DAY-TO-DAY CONSTRUCTION AREAS SHALL BE STABILIZED BY MULCHING, TEMPORARY SEEDING, AND COVERING WITH TARPS OR EQUIVALENT CONTROL MEASURES.
10. EROSION CONTROL PRACTICES SHOWN ARE MINIMUM REQUIREMENTS. CONTRACTOR MAY NEED TO SUPPLEMENT PRACTICES AS REQUIRED BY CONTRACTORS OPERATIONS, CONSTRUCTION SEQUENCE, WEATHER OR AS DIRECTED BY CITY OF WAUKEHSA / WDNR OR OTHER AGENCY.
11. INSPECT THE EROSION CONTROL MEASURES WITHIN 24 HOURS AFTER EACH RAINFALL EVENT OF 0.5 INCHES OR MORE AND AT LEAST ONCE EACH WEEK. MAKE NEEDED REPAIRS AND DOCUMENT THE FINDINGS OF THE INSPECTIONS IN A SITE EROSION CONTROL LOG WITH THE DATE OF INSPECTION, THE NAME OF THE PERSON CONDUCTING THE INSPECTION, AND A DESCRIPTION OF THE PRESENT PHASE OF THE CONSTRUCTION AT THE SITE. A MODEL INSPECTION REPORT IS AVAILABLE ON THE WDNR'S WEBSITE ([HTTP://DNR.GOV/TOPICS/STORMWATER/CONSTRUCTION/OVERVIEW.HTML](http://DNR.GOV/TOPICS/STORMWATER/CONSTRUCTION/OVERVIEW.HTML))
12. INSTALL ALL BMPS IN ACCORDANCE WITH APPLICABLE WDR TECHNICAL STANDARDS ON THE WDNR'S WEBSITE. ([HTTP://DNR.WI.GOV/TOPICS/STORMWATER/STANDARDS/CONST_STANDARDS.HTML](http://DNR.WI.GOV/TOPICS/STORMWATER/STANDARDS/CONST_STANDARDS.HTML)) AND DETAILS SHOWN IN PLAN.
13. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY STREET CLEANING (NOT FLUSHING) BEFORE END OF WORK EACH DAY.
14. BUILT UP SEDIMENT SHALL BE REMOVED FROM BEHIND SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
15. IF DEWATERING IS NEEDED, CONTRACTOR SHALL PROVIDE FOR SEDIMENT REMOVAL ACCORDING TO WDNR TECHNICAL STANDARD 1061. WATER PUMPED FROM THE SITE SHALL BE TREATED BY TEMPORARY SEDIMENTATION BASINS, GRIT CHAMBERS, SAND FILTERS, UPSLOPE CHAMBERS, HYDRO-CYCLONES, SWIRL CONCENTRATORS, OR OTHER APPROPRIATE CONTROLS DESIGNED AND USED TO REMOVE PARTICLES OF 100 MICRONS OR GREATER FOR THE HIGHEST DEWATERING PUMPING RATE. IF THE WATER IS DEMONSTRATED TO HAVE NO PARTICLES GREATER THAN 100 MICRONS DURING DEWATERING OPERATIONS, THEN NO CONTROL IS NEEDED BEFORE DISCHARGE. WATER MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE OR RECEIVING CHANNELS.
16. MAKE PROVISION FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING, UNLESS DORMANT SEEDING IS USED, WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
17. THE FOLLOWING LATE SEASON CONSTRUCTION AND WINTER STABILIZATION MEASURES SHALL ALSO BE TAKEN:
 - A. SEED ALL DISTURBED AREAS WITH TEMPORARY SEED MIX (OATS, WINTER WHEAT, ANNUAL RYE) BY OCTOBER 15. SEEDING RATES AND MIXES SHALL CONFORM TO WISCONSIN DEPARTMENT OF TRANSPORTATION (WISDOT) ROADWAY STANDARD SECTION 630.
 - B. IF THE OCTOBER 15 DEADLINE IS MISSED, DORMANT SEED ALL AREAS DISTURBED, PLACE EROSION MAT AND DITCH CHECKS AS APPROPRIATE. AS AN ALTERNATIVE TO DORMANT SEEDING, THE USE OF SOIL STABILIZERS MAY ALSO BE APPLIED TO THE DISTURBED AREAS.
 - C. AS SOON AS POSSIBLE IN THE SPRING, THE SITE SHALL BE EVALUATED AND RE-SEEDED AS NECESSARY.
18. EROSION CONTROL DETAILS SHOWN ON 999-C DRAWINGS.

GENERAL CONSTRUCTION WASTES (DUST, SOLID WASTES, HAZARDOUS WASTES, ETC.)

IN ADDITION TO EROSION CONTROL AND STORM WATER MANAGEMENT, THE PLAN INCLUDES MEASURES TO PROPERLY MANAGE SOLID WASTES, HAZARDOUS WASTES, DUST GENERATION, AND ALL OTHER ACTIVITIES THAT WILL GENERATE WASTES DURING THE CONSTRUCTION PHASE.

DUST - WATER TRUCKS OR OTHER DUST CONTROL AGENTS WILL BE USED AS NEEDED DURING CONSTRUCTION TO REDUCE DUST GENERATED ON SITE.

SOLID WASTE MATERIALS - ALL WASTE MATERIAL SHALL BE COLLECTED ON-SITE IN ACCORDANCE WITH LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. THE WASTE SHALL BE EMPTIED AND HAULED OFF SITE AT REGULARLY SCHEDULED INTERVALS OR AS NECESSARY. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ONSITE. ALL PERSONNEL SHALL BE INSTRUCTED REGARDING THE CORRECT PROCEDURES FOR WASTE DISPOSAL. WASHING OF TRUCKS AND OTHER CONSTRUCTION VEHICLES SHALL NOT BE ALLOWED ONSITE.

SANITARY WASTE - ALL SANITARY WASTE SHALL BE COLLECTED BY TEMPORARY SANITARY FACILITIES PROVIDED AT THE SITE THROUGH THE CONSTRUCTION PHASE. THEY MUST BE UTILIZED BY ALL CONSTRUCTION PERSONNEL AND SHALL BE SERVICED BY A COMMERCIAL OPERATOR.

SPILL PREVENTION AND CONTROL PRACTICES

IN ORDER TO REDUCE THE RISK OF SPILLS OF HAZARDOUS MATERIALS, THE FOLLOWING PRACTICES SHALL BE FOLLOWED:

1. AN EFFORT SHALL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE WORK.
2. ALL MATERIALS STORED ONSITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL. IF THE MATERIAL IS HAZARDOUS AND THE CONTAINER CANNOT BE RESEALED, THE ORIGINAL LABEL AND MATERIAL SAFETY DATA SHALL BE RETAINED.
3. PRODUCTS SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
4. WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED BEFORE DISPOSING OF THE CONTAINER.
5. THE MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.
6. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR STATE AND LOCAL RECOMMENDED METHODS FOR PROPER DISPOSAL SHALL BE FOLLOWED.

THESE PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

1. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF CLEANUP SUPPLIES.
2. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
3. PERSONNEL PERFORMING THE SPILL CLEAN-UP SHALL BE PROPERLY TRAINED AND SHALL WEAR APPROPRIATE PROTECTIVE CLOTHING.
4. SPILL REPORTING - THE PERMITEE SHALL IMMEDIATELY NOTIFY THE WDNR IN ACCORDANCE WITH NR706 WISCONSIN ADMINISTRATIVE CODE. IN THE EVENT THAT A SPILL OR ACCIDENTAL RELEASE OF ANY MATERIAL OR SUBSTANCE RESULTS IN THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE STATE. ANY SPILLS ABOVE THE REPORTABLE QUANTITIES LIMITS IN THE CODE OF FEDERAL REGULATIONS (CFR) TITLE 40, PART 302 SHALL BE REPORTED TO THE EPA NATIONAL RESPONSE CENTER (1-800-424-8802).

PETROLEUM PRODUCTS - ALL ONSITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS.

FERTILIZERS - FERTILIZERS USED SHALL BE APPLIED ONLY IN THE AMOUNTS SPECIFIED. ONCE APPLIED, FERTILIZER SHALL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. FERTILIZER SHALL BE STORED IN A COVERED LOCATION.

SITE IDENTIFICATION

THE CONSTRUCTION SITE IS ENTIRELY WITHIN CITY OF WAUKESHA RIGHT OF WAY, CITY OF WAUKESHA PROPERTY, OR PERMANENT AND TEMPORARY CONSTRUCTION EASEMENTS OWNED BY THE CITY OF WAUKESHA.

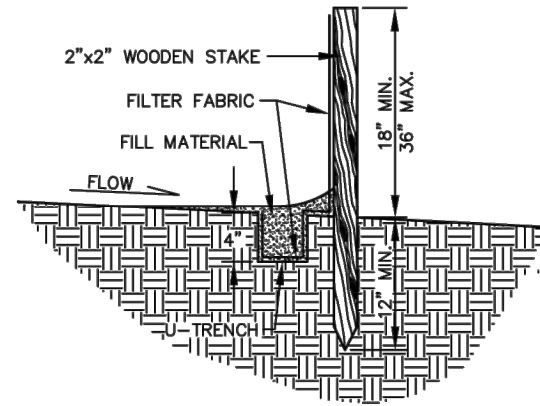
LAND DISTURBING ACTIVITIES FOR LINEAR UTILITY INSTALLATION INCLUDE:

1. PAVEMENT REMOVAL AND REPLACEMENT.
2. TRENCHING AND BACKFILL OF THE UTILITY TRENCH.

LAND DISTURBING ACTIVITIES FOR PUMP STATION SITE IMPROVEMENTS INCLUDE:

1. TOPSOIL STRIPPING AND STOCKPILING.
2. PAVEMENT REMOVAL AND INSTALLATION.
3. TRENCHING AND BACKFILL FOR UTILITIES.
4. INSTALLATION OF FILL.

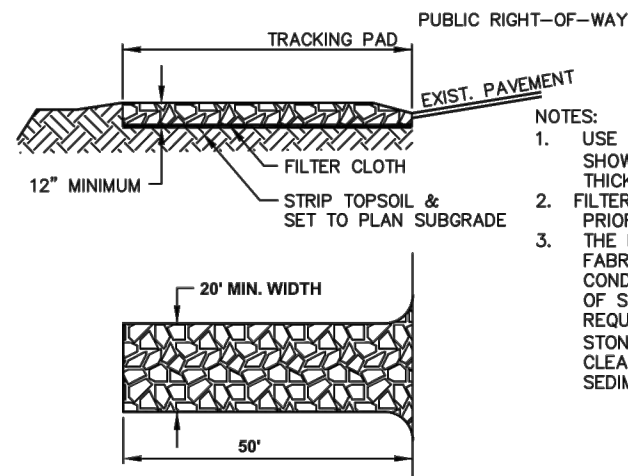
EXISTING SOILS ON SITE ARE EXPECTED TO BE TOPSOILS, CLAYS, SANDS, AND GRAVELS.



NOTES:

1. SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY AND/OR WITHIN 24 HOURS OF CONSTRUCTING DITCHES, DIVERSIONS, OR OTHER CHANNELS
2. SILT FENCE FABRIC SHALL HAVE THE FOLLOWING PROPERTIES:
 - A. GRAB STRENGTH: 100 LBS. (ASTM D-1682)
 - B. MULLEN BURST: 200 PSI MIN. (ASTM D-3786)
 - C. EQUIVALENT OPENING SIZE:
 - BETWEEN 50 AND 140 FOR SOILS WITH MORE THAN 15 PERCENT BY WEIGHT PASSING A NO. 200 SIEVE.
 - BETWEEN 20 AND 50 FOR SOILS WITH LESS THAN 15 PERCENT BY WEIGHT PASSING A NO. 200 SIEVE.
 - D. WATER FLOW RATE OF 10 GAL/MIN/SQ. FT. AT 50 MM CONSTANT HEAD (ASTM D-4491)
 - E. ULTRA VIOLET RADIATION STABILITY OF 90%
 - F. IF SUPPORT NETTING IS REQUIRED, NETTING SHALL BE AN INDUSTRIAL POLYPROPYLENE WITH A 3/4 INCH SPACING OR EQUIVALENT. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED.
3. INSTALLATION PROCEDURE AS FOLLOWS:
 - A. EXCAVATE A U-TRENCH UPSLOPE FROM THE LINE OF STAKES.
 - B. INSTALL SILT FENCE IN TRENCH. CARE SHOULD BE TAKEN TO AVOID TEARING FABRIC. TORN FABRIC SHALL BE REMOVED AND A NEW SEGMENT OF SILT FENCE SHALL BE PLACED. STAKES SHALL BE DRIVEN A MINIMUM OF 12" DEEP. SILT FENCE SHALL BE A MINIMUM OF 18" AND A MAXIMUM OF 36" IN HEIGHT.
 - C. FIT LOWER 8" OF FILTER FABRIC INTO U-TRENCH. BACKFILL AND COMPACT U-TRENCH.
 - D. THE ENDS OF TWO SECTIONS OF SILT FENCE MUST BE WRAPPED TOGETHER AROUND A STAKE AND THEN DRIVEN INTO THE GROUND.
4. SILT FENCE SHALL BE INSPECTED WITHIN 24 HOURS AFTER EACH RAINFALL OR DAILY DURING PERIODS OF PROLONGED RAIN. REPAIR OR REPLACEMENT SHALL BE MADE IMMEDIATELY.
5. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT OR WHEN DEPOSITS REACH ONE HALF THE HEIGHT OF THE BARRIER.
6. SILT FENCE SHALL BE REMOVED ONLY WHEN THE THREAT OF EROSION HAS PASSED AND PERMANENT VEGETATION HAS BEEN ESTABLISHED.

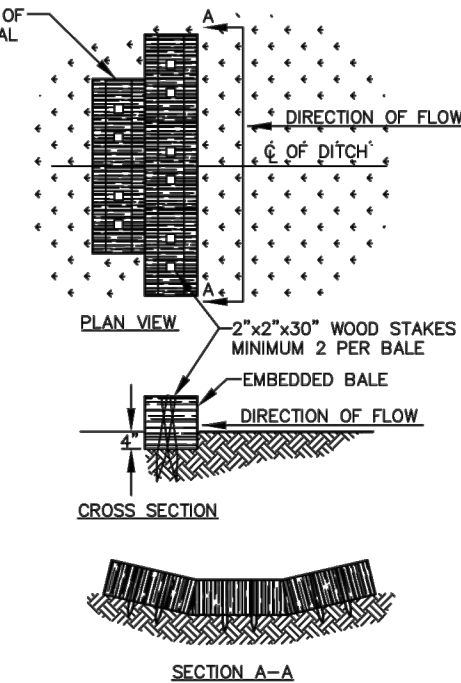
SILT FENCE DETAIL



NOTES:

1. USE 3-INCH CLEAN STONE. MINIMUM 50' LENGTH OR AS SHOWN ON PLAN. MINIMUM 20' WIDTH. MINIMUM 12" THICK.
2. FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
3. THE FABRIC SHALL BE WISDOT TYPE R GEOTEXTILE FABRIC. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND/OR REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

STONE TRACKING PAD DETAIL



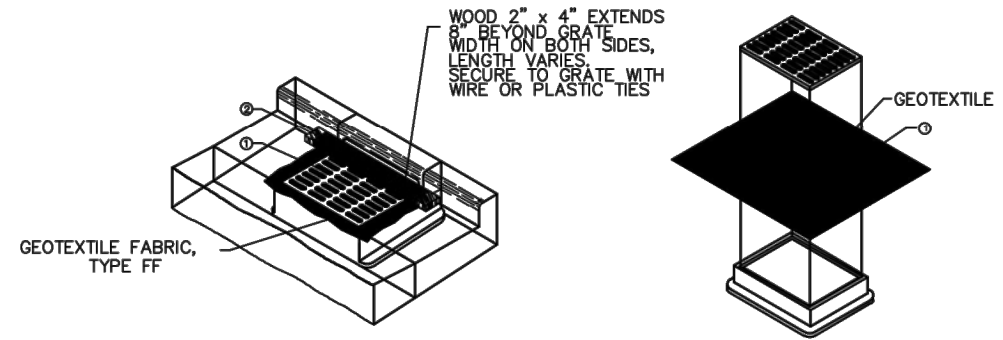
NOTES:

1. INSTALL BALES BY DIGGING A 4" DEEP TRENCH WIDE ENOUGH FOR BALE. EMBED BALE IN TRENCH AND SECURE WITH STAKES.
2. BALES SHALL BE INSPECTED WITHIN 24 HOURS AFTER EACH RAINFALL OR DAILY DURING PERIODS OF PROLONGED RAIN. REPAIR OR REPLACEMENT SHALL BE MADE IMMEDIATELY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT OR WHEN DEPOSITS REACH ONE HALF THE HEIGHT OF THE BARRIER. BALES SHALL BE REMOVED ONLY WHEN
4. THE THREAT OF EROSION HAS PASSED AND PERMANENT VEGETATION HAS BEEN ESTABLISHED.

EROSION BALES DETAIL

EROSION CONTROL DETAILS C031

NTS



INLET PROTECTION WITH CURB BOX

**INLET PROTECTION WITHOUT CURB BOX
(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)**

- ① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- ② FOR INLET PROTECTION WITH A CURB BOX, AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- ③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

NOTES:

1. TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.
2. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.
3. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

INLET PROTECTION