The Waupun Plan Commission will meet in-person, virtual, and teleconference on **Tuesday, October 11, 2022** at 4:00 pm in the Waupun City Hall Council Chambers.

To Join Zoom Meeting
https://us02web.zoom.us/j/87297514722?pwd=VWJQZUw0b245MkpKMzN4M05TSkQ4QT09

Meeting ID: 872 9751 4722
Passcode: 404145
By Phone: (312) 626 6799 US (Chicago)

**CALL TO ORDER**

**ROLL CALL**

**PERSONS WISHING TO ADDRESS THE PLAN COMMISSION** -- *State name, address, and subject of comments. (2 Minutes)*

*No Public Participation after this point.*

**FUTURE MEETINGS AND GATHERING INVOLVING THE PLAN COMMISSION**

**CONSIDERATION - ACTION**

1. Approve minutes of the September 28, 2022 meeting.
2. Extraterritorial Review - Certified Survey Map - VanBever Land Division on N. Madison St.
4. Site Plan Review - United Cooperative - 1215 Moorman Dr
5. Site Plan Review - SSM Health - Eye Clinic Parking Lot

**ADJOURNMENT**

*Upon reasonable notice, efforts will be made to accommodate disabled individuals through appropriate aids and services. For additional information, contact the City Clerk at 920-324-7915.*
CALL TO ORDER
Chairman Bishop called the Plan Commission meeting to order at 4:30 pm

ROLL CALL
Members Present: Jerry Medema, Jeff Daane, Rohn Bishop, Jon Dobbratz, Mike Matoushek, Elton TerBeest
Members Excused: Jill Vanderkin
Staff Present: Steve Brooks - Utility Manager, Kathy Schlieve - City Administrator, Susan Leahy - Building Inspector
Public Present: Erin Fitch, Steve Westhuis, Harvey & Christine Pluim, Lindsay & Chris Farley (Zoom)

PERSONS WISHING TO ADDRESS THE PLAN COMMISSION--
None

FUTURE MEETINGS AND GATHERING INVOLVING THE PLAN COMMISSION
Next scheduled Plan Commission meeting is Wednesday, October 26, 2022

CONSIDERATION - ACTION
1. Approve minutes of the August 31, 2022 meeting
   Motion by Dobbratz 2nd by Medema to approve the minutes of the August 31, 2022 meeting. Motion carried, unanimously.


   Chairman Bishop read the call of the hearing and it's purpose.

   Motion by Matoushek 2nd by TerBeest to open the public hearing. Motion carried, unanimously.

   Erin Fitch was in attendance and presented her business plan. The business is in essence just a pen. There will be one customer at a time and the customers will park in their driveway. The business has it’s own dedicated space in the home. Hearing nothing further, Chairman Bishop called for a motion to close the public hearing.

   Motion by Matoushek 2nd by Medema to close the public hearing, motion carried, unanimously.

   Commission members asked about appointment times and business hours. The appointments will be 15-30 minute each and she is teacher so the appointments will be after school hours.

   Motion by Dobbratz, 2nd by Medema to approve the Conditional Use as presented.
   Roll Call: TerBeest, Medema, Daane, Bishop, Dobbratz, Matoushek – “AYE”
   Motion carried, 6-0


   Chairman Bishop read the call of the hearing and it’s purpose.
Motion by Matoushek 2nd by TerBeest to open the Public Hearing. Motion carried, unanimously.

Steve Westhuis - owns property across street. He asked if this business is privately owned or a national company. Will the store take up the large space in the building or the small part. No one was in attendance to answer these questions. From the documentation that was submitted, this would be in the large part of the building and will be retail space only. Chairman Bishop stated he received one e-mail from a neighboring property against the Conditional Use. Hearing nothing further, Chairman Bishop called for a motion to close the public hearing.

Motion by Matoushek 2nd by Medema to close the Public Hearing. Motion carried, unanimously.

Commission members had questions about traffic volume and hours of operation.

Motion by Medema, 2nd by Matoushek to table this until the Conditional Use Permit application of Sweet Fire Tobacco 63, until the October meeting to get further information. Roll Call: TerBeest, Medema, Daane, Bishop, Dobbratz, Matoushek – “AYE” Motion carried, unanimously.


Chairman Bishop read the call of the hearing and its purpose.

Motion by TerBeest 2nd by Dobbratz to open the public hearing. Motion carried, unanimously.

Christine Pluim - 422 E Jefferson St. spoke in opposition of the Conditional Use permit as there are a lot of children in the area and concerns if this operation would be staffed 24 hours a day. She also asked if this would affect the home values in this area. She stated that a couple put in an offer on this house and had a home inspection done on September 12. The property is currently listed as Sale Pending, so she was confused when she got the notice about this going into the home as she thought the house was selling to a couple. Lindsay Farley is concerned because they have 3 children. She works at the hospital and they have services like this available in Ripon and Fond du Lac Hospitals and if someone is brought to Waupun, they can be transferred to either of those facilities. Lindsay also stated that her oldest child is old enough to stay home in the summer and take care of their siblings and it’s concerning to them not knowing the safety features of the home. She stated that people that go to these facilities are in a crisis situation and that is when they are in need of help first. Chris Farley stated that he is concerned about the general safety of his kids and the neighborhood and also feels there are other resources available in the area.

Hearing nothing further, Chairman Bishop called for a motion to close the public hearing.

Motion by Matoushek, 2nd by TerBeest to close the public hearing. Motion carried, unanimously.

Chairman Bishop stated he was hoping someone from this company would have been here to address concerns. He also stated that he realized there is a great need to these types of facilities but doesn’t feel this is the correct location. Dobbratz asked if these facilities had to follow State or Commercial Codes. Sue stated they are regulated by the State. Daane asked how long residents would be there and noted that the property is close to a bar as well. All members stated that they realize there is a need for mental health help, but think it should be at a hospital or in more of a commercial district.

Motion by TerBeest 2nd by Matoushek to deny the Conditional Use Permit application. Roll Call: TerBeest, Medema, Daane, Bishop, Dobbratz, Matoushek – “AYE” Motion carried, unanimously.
5. Site Plan Review - 280 Gateway Dr
Roger Schregardus and Dennis Navis appeared to discuss site plan. An existing building will be relocated to this site to use as a wash bay for trucks. The building will be heated with in floor heat. It will sit on the gravel area on the east edge of the property. Not in the wetlands. There will be no bathroom in the building.

Daane said the plans were reviewed for stormwater management and they have been approved. Currently trucks are washed outside and this will help with that material going into the sanitary sewer rather than the storm sewer. There is no more impervious surface being added to the property

Motion by TerBeest , 2nd by Matoushek to approve the Site Plan for 280 Gateway Dr. as presented.
Roll Call: TerBeest, Medema, Daane, Bishop, Dobbratz, Matoushek – “AYE”
Motion carried, unanimously.

6. Site Plan Review - 1212 Storbeck Dr
Steve DeYoung appeared to discuss their plans. They are using this portion of vacant property for storage already, but this will extend their yard and make it look better. Daane stated they meet the stormwater requirements. They have a 75’ grass buffer that the gravel can drain to filter water out.

Motion by Medema, 2nd by Matoushek by to approve the site plan as presented.
Roll Call: TerBeest, Medema, Daane, Bishop, Dobbratz, Matoushek – “AYE”
Motion carried, unanimously.

7. Extraterritorial Review - Certified Survey Map - VanBever Land Division on N. Madison St.

Sue - this is on N. Madison St - CTH M. This in the township. The parcel is currently in the Town of Waupun but the City is required to review for extraterritorial review. It meets all of our codes. Questions were raised about the mound /sewer system. How far back does the property go? Kathy stated that its currently one large parcel that includes the woods and they are proposing to section that off to exclude the woods. Annexation questions were also raised. It was stated that the City would need advice from the City Attorney before taking action on the CSM.

Motion by Matoushek, 2nd by Medema to table the VanBever Certified Survey Map on N. Madison St. to get further information from City Attorney.
Roll Call: TerBeest, Medema, Daane, Bishop, Dobbratz, Matoushek – “AYE”
Motion carried, unanimously.

ADJOURNMENT
Motion by Dobbratz 2nd by Matoushek to adjourn the meeting. Motion carried, unanimously, meeting adjourned at 5:13 pm

Minutes prepared by Trista Steinbach
9/22/2022

Angie Hull
City of Waupun Clerk
201 E. Main St.
Waupun, WI 53963

Re: CSM/VAN BEVER-STUEBS

Dear Ms. Hull:

In accordance with the Fond du Lac County Subdivision Ordinance and Section 236 of Wisconsin Statutes, a copy of the (certified survey) plat is hereby submitted to the City of Waupun for your initial review.

TOWN OF WAUPUN  
COUNTY PLANNING DEPARTMENT  
CITY OF WAUPUN

Upon County Planning Department receiving the original certified survey map back from the Town, we will then forward it to you for your approval or objection. Please return it to us as soon as possible. If you object to the CSM, notify this department immediately. If you approve the plat, have the certification signed.

Sincerely,

Terry Dietzel  
Land Information Director

TD:kg  
enc.
FOND DU LAC COUNTY CERTIFIED SURVEY MAP NO. 
GENERAL LOCATION

BEING PART OF THE NE1/4 OF THE SE1/4 OF THE NE1/4 OF THE SE1/4 OF SECTION 32, 
T. 14 N., R. 15 E., TOWN OF WAUPUN, FOND DU LAC COUNTY, WISCONSIN
CONTAINING: 162,250 SQ.FT. = 3.73 ACRES

SURVEYOR’S CERTIFICATE

I, SCOTT P. HEWITT, Professional Land Surveyor, do hereby certify that by the order of Paul Stuebs, I have surveyed, monumented, mapped and divided part of the Northeast Quarter of the Northeast Quarter and part of the Southeast Quarter of the Northeast Quarter, Section 32, Town 14 North, Range 15 East, Town of Waupun, Fond Du Lac County, Wisconsin, described as follows:

Commencing at the North Quarter corner of said Section 32;
thence South 89°55′31″ East along the North line of the Northeast Quarter, 1,307.74 feet to the Northwest corner of the Northeast Quarter of the Northeast Quarter;
thence South 01°22′25″ West along the West line of the Northeast Quarter of the Northeast Quarter, 1,172.84 feet to the point of beginning;
thence South 88°37′35″ East, 625.00 feet;
thence South 01°22′25″ West, 260.00 feet;
thence North 88°37′35″ West, 625.00 feet to a point in the West line of the Southeast Quarter of the Northeast Quarter;

thence North 01°22′25″ East along said West line and the West line of the Northeast Quarter of the Northeast Quarter, 260.00 feet to the point of beginning.

Containing 162,500 square feet, (3.73 acres), more or less. Being subject to County Trunk Highway M (also known as North Madison Street) right-of-way along the Westerly side thereof. Being subject to servitudes and easements of use or record if any.

I DO FURTHER CERTIFY that this is a true and correct representation of the boundaries of the land surveyed and that I have fully complied with the Provisions of Chapter 236.34 of the Wisconsin State Statutes and the Fond Du Lac County Subdivision Ordinance to the best of my knowledge and belief.

SCOTT P. HEWITT
Professional Land Surveyor, No. 2229
Dated: July 11, 2022
File No: 522-265

OWNER: FRANK T. VAN BEVER
W5953 S.T.H. "49"
WAUPUN, WI 53963

CLIENT: PAUL STUEBS
N8658 SUPERIOR STREET
BURNETTE, WI 53922
FOND DU LAC COUNTY CERTIFIED SURVEY MAP NO. 582-965

GENERAL LOCATION


CONTAINING: 182,250 SQ.FT. ~ 3.75 ACRES

CITY OF WAUPUN RESOLUTION

RESOLVED THAT this Certified Survey Map within the City of Waupun, extraterritorial jurisdiction is hereby approved and accepted by the City of Waupun Planning Commission.

Mayor ____________________________ Date ____________________________

City Clerk __________________________ ________________

Date ____________________________

TOWN BOARD RESOLUTION

RESOLVED that this certified survey map in the Town of Waupun, __________________________, Owner, is hereby approved and dedication accepted by the Town Board.

Dated this ______ day of ______, 20____, Town Chairperson __________________________

I HEREBY CERTIFY that the foregoing is a copy of the Resolution adopted by the Town Board of Waupun.

Dated this ______ day of ______, 20____, Town Clerk __________________________

STATE OF WISCONSIN)

COUNTY OF __________________________

Approved in accordance with Section 236.12 Wisconsin Statutes ______, 20____, Town of Waupun, Fond du Lac County Planning Agency by:

Director of Planning __________________________

OWNER’S CERTIFICATE of DEDICATION

As Owner(s), I/we hereby certify that I/we consented to the land described on this Certified Survey Map to be surveyed, dedicated, divided and mapped as represented on this Certified Survey Map. We also certify that this Certified Survey Map is required by S.236.10 or 236.12 to be submitted to the following for approval or objection.

1. Town of Waupun
2. Fond du Lac County Planning Agency
3. City of Waupun

Frank T. Van Bever
Witness the hand and seal of said Owner this ______ day of ______, 20____

STATE OF WISCONSIN)

SS)

COUNTY OF FOND DU LAC

Personally came before me this ______ day of ______, 20____, the above named Frank T. Van Bever to me known to be the persons who executed the foregoing instrument and acknowledged the same.

______________________________ Notary Public My commission expires: __________________________

OWNER: FRANK T. VAN BEVER
W5953 S.T.H. "49" WAUPUN, WI 53963

CLIENT: PAUL STUEBS
N8658 SUPERIOR STREET BURNETTE, WI 53922
NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN, that at a meeting of the Plan Commission of the City of Waupun, to be on Wednesday the 28th day of September, 2022 at 4:30 pm, there will be considered the application for a Conditional Use Permit of:


2. Sweet Fire Tobacco 63, 606 W. Main St. to operate a tobacco retail store per Section 16.04(2)(d)(ix) of the Waupun Municipal Code.

3. Franco Soma at 420 E Jefferson St. to operate an adult family home to offer 24/7 mental health crisis stabilization services and housing per Municipal Code Section 16.03(4)(d)(ix) of the Waupun Municipal Code.

The meeting will be held in person, virtual and teleconference.

To Join Zoom Meeting
https://us02web.zoom.us/j/87297514722?pwd=VWjQZUw0b245MkpKMzN4M05TSkQ4QT09

Meeting ID: 872 9751 4722
Passcode: 404145
By phone: (312) 626-6799 US (Chicago)

PLEASE TAKE FURTHER NOTICE that all persons desiring to be heard on the proposed Conditional Use in support thereof or in opposition thereto, must contact the Zoning Administrator prior to said meeting of the Plan Commission of the City of Waupun.

Dated this 12th day of September, 2022

Susan Leahy
Zoning Administrator
City of Waupun

(PUBLISH September 21, 2022)
CITY OF WAUPUN
201 E. Main Street
WAUPUN, WISCONSIN 53963

Conditional Use Permit Application

Applicant Name: Sweet Fire Tobacco 63  Phone # 231-437-3010
Address: 606 E. Main St.  E-mail: www.office@yahoo.com
City, State, Zip Waupun, WI 53963

Property Description and address:
Vacant commercial building/space located on 606 E. main street, the old family video store.

Conditional Use Requested:
Tobacco retail store containing cigars, tobacco products, vape devices and accessories for tobacco.

Zoning Ordinance Section Involved:
B-LC

Date Presented to Plan Commission:

CONDITIONAL USE: □ Granted □ Denied

Comments:

Signature of Applicant (s)
UNITED COOPERATIVE DEVELOPMENT PROJECT
UNITED COOPERATIVE
CITY OF WAUPUN, DODGE COUNTY, WISCONSIN

NOT TO SCALE

LOCATION MAP

LEGEND

SHEET INDEX

D - GENERAL SHEETS
D 1 - TITLE SHEET
D 1 - 6 - CONSTRUCTION DETAILS
ST 1 - SITE PLANS
ST 1 - EROSION CONTROL & REMOVAL PLAN
ST 2 - ST 3 - GRADING PLAN
ST 4 - POND GRADING DETAIL
PPT - SANITARY SEWER & WATER Main Plans
PPT 1 - PPT 3 - SANITARY SEWER & WATER Main Plans & Profile Sheets
SS - STORM SEWER PLANS
SS 1 - STORM SEWER PLAN
SS 2 - STORM SEWER PLAN
PM - STORM WATER POND Lift Station Plans
PM 1 - PM 2 - STORM WATER POND Lift Station Sections
PM 3 - STORM WATER POND Lift Station Details
R - ROAD CONSTRUCTION & PAVING PLANS
R 1 - R 2 - PAVING PLAN

LEGEND

EXISTING WATER MAIN
EXISTING WATER MAIN, VALVE & HYDRANT
EXISTING WATER SERVICE & CURB STOP
PROPOSED WATER MAIN, VALVE & HYDRANT
PROPOSED WATER SERVICE & CURB STOP
EXISTING SANITARY SEWER & MANHOLE
PROPOSED SANITARY SEWER & MANHOLE
EXISTING FORCE MAIN
EXISTING STORM SEWER & INLET
PROPOSED STORM SEWER & INLET
BURIED ELECTRIC
BURIED GAS & VALVE
BURIED CABLE TELEVISION
BURIED TELEPHONE
BURIED FIBER OPTICS
OVERHEAD UTILITY
RAILROAD TRACKS
EXISTING CURB & GUTTER
PROPOSED CURB & GUTTER
EXISTING SIDEWALK
PROPOSED SIDEWALK
EXISTING CULVERT PIPE
PROPOSED CULVERT PIPE
FENCE LINE
DRAINAGE ARROW
SILT FENCE
RIGHT-OF-WAY
BASELINE
PROPERTY LINE
TREE LINE
BENCHMARK
IRON PIPE
IRON ROD
CONTROL POINT
UTILITY POLE & GUY
SOIL BORING
LIGHT POLE
PEDESTAL
STREET SIGN
MAILBOX
FLAGPOLE
TREE - DECIDUOUS
TREE - CONFIDENTIAL
TREE TO BE REMOVED

NOTES:

UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND CONTRACTOR SHALL HAVE APPROPRIATE UTILITY MARK EXACT LOCATIONS PRIOR TO CONSTRUCTION.
CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS

1. SECTION W29:14 of Wisconsin State Administrative Code requires identification for construction site and post-construction erosion control. It is the intent of these plans to satisfy these requirements. The methods and structures used to control erosion shall be the responsibility of the contractor. Contractor shall implement an appropriate means of controlling erosion during site operation and until, the vegetation is re-established. Adjustments to the control system shall be made as required.

2. All work shall be in accordance with the latest edition of the Wisconsin DNR Conservation Practice Standards. These standards are periodically updated and it is the contractors responsibility to obtain and reference the most recently released standard.

3. The information is only one part of the overall erosion control requirements. Additional requirements may also be shown on the contract drawings and in the accompanying specifications.

4. Additional erosion control measures, as requested in writing by the State or local inspectors, or the owner's engineer, shall be installed within 24 hours.

5. The area of erosive land exposed to the elements by grubbing, excavation, trenching, borrow and fill operations at any one time shall be minimized to the maximum extent practicable. For any disturbed area that remains inactive for longer than 10 working days, or where grading work extends beyond the permanent seeding deadlines, the site must be treated with temporary stabilization measures such as soil treatment, temporary seeding and/or mulching. All disturbed areas shall be treated with permanent stabilization measures within 10 working days of final grading.

6. All erosion control measures and structures serving the site must be inspected at least weekly or within a hour of the time 0.5 inches of rain has occurred. All necessary repair and maintenance will be done at this inspection time.

7. All erosion control devices and structures shall be properly installed prior to clearing and grubbing operations within their respective drainage areas. These shall be properly maintained for maximum effectiveness until vegetation is re-established.

8. All erosion control devices shall be properly installed prior to any soil disturbance.

9. Any slopes steeper than 3H:1V shall be stabilized with erosion control fabric unless indicated on the plan.

10. All rocks, and any building materials (including garbage, debris, cleaning waste, wastewater, toxic materials, or hazardous materials) shall be properly disposed of and not allowed to be carried off site by runoff or wind.

11. Wind erosion shall be kept to a minimum during construction. Watering, mulch, or a sprinkler system may be required to protect valuable vegetation and water resources.

12. Channelized runoff entering the project site from adjacent lands shall be diverted through naturally or artificially erosion-resistant conveyances. If channelized runoff cannot be diverted, site best management practices must account for the additional flow rates and erosion potential that such runoff presents.

13. The contractor shall take all possible precautions to prevent soil from being tracked onto public or private roadways. Paved surfaces adjacent to construction site vehicle access shall be swept and/or scarified (not plowed) periodically to remove soil, dirt, and/or dust.

14. Erosion control shall be installed on the downstream side of temporary stockpiles. Any soil stockpile that remains for more than 30 days shall be covered or treated with stabilization practices such as temporary or permanent seeding and mulching. All stockpiles shall be placed at least 75 feet from streams or wetlands.

15. Additionally, erosion control for utility construction (storm sewer, sanitary sewer, water main, etc.) shall include the following:
   a. Place excavated trench material on the high side of the trench.
   b. Backfill, compact, and stabilize the trench immediately after pipe construction.
   c. Exchange of trench water or de土ching effluent must be properly treated to remove sediment in accordance with the MOE Conservation Practice standard 1061 - DeWATERING or a subsequent WDNR DeWATERING standard prior to disposal into a storm sewer, ditch, drainageway, or wetland or lake.
   d. Channel all drainage ditches, storm drain inlets, manholes, or any other existing structures that could be damaged by sedimentation shall be protected according to the various methods provided in the printed conservation practice standards.
   e. Any soil erosion that occurs after final grading and/or stabilization must be repaired and the stabilization work redone.
   f. The first six weeks after final stabilization, all newly seeded and mulched areas shall be watered whenever 2 days elapse without a rain event.
   g. When the disturbed area has been stabilized by vegetation or other means, temporary BMPs such as silt fences, straw bales, and sediment traps shall be removed and these areas stabilized.
   h. If any temporary BMPs are installed, they shall be removed when the disturbed area has been stabilized by vegetation or other means.
   i. All temporary BMPs must be maintained until the site is stabilized.
   j. All disturbed areas shall be permanently stabilized with seeded and mulched unless otherwise specified. A minimum of four inches of topsoil shall be applied to all areas to be seeded or sodded.
GEOTEXTILE FABRIC, TYPE FF

WOOD 2' x 4' EXTENDS 8" BEYOND GRADES WIDTH ON BOTH SIDES, LENGTH VARIES, SECURE TO GRADE WITH WIRE OR PLASTIC TIES.

INSTALLATION NOTES:
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRAVE. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SWING HAMMER HAND HOLES OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

INLET PROTECTION, TYPE C
CAN BE INSTALLED IN ANY INLET TYPE WITH A CURB BOX

GENERAL NOTES - INLET PROTECTION
INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER. MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 1' AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

FOR INLET PROTECTION, TYPE CI WITH CURB BOX), AN ADDITIONAL 1/2" OF FABRIC IS MAPPED AROUND THE CURB BOX AND SECURED TO THE CURB BOX. THE WOOD SHALL NOT BLOCK THE ENTIRE WIDTH OF THE CURB BOX OPENING.

FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

TABLE 1 - STONE GRADATION

<table>
<thead>
<tr>
<th>% PASSING</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 5%</td>
<td>0-20%</td>
</tr>
<tr>
<td>10%</td>
<td>25-60%</td>
</tr>
<tr>
<td>50%</td>
<td>90-100%</td>
</tr>
</tbody>
</table>

NOTES:
1. TRACKING PAD WIDTH SHAL BE AT LEAST THE FULL WIDTH OF THE EGRESS POINT OR 30" MINIMUM.
2. TRACKING PAD LENGTHS SHAL BE 2' FOR CONSTRUCTION SITE, 3' FOR SINGLE FAMILY RESIDENTIAL, OR AS SPECIFIED IN THE CONTRACT DOCUMENTS. LENGTHS OF TRACKING PADS MAY NEED TO BE INCREASED OR ADDED. SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED BY THE CONTRACTOR OR AS SPECIFIED IN THE CONTRACT DOCUMENTS.
3. GEOTEXTILE FABRIC TYPE C SHALL BE INSTALLED BETWEEN THE CURB AND SUBGRADE ON SITES WHERE HIGH GROUNDWATER IS OBSERVED.
4. CONTRACTOR SHALL CLEAN STREET/ROADWAY ADJACENT TO ALL CONSTRUCTION ACCESS POINTS AT THE END OF EACH WORKDAY OR MORE FREQUENTLY IF REQUESTED.

TEMPORARY EROSION BARRIER DETAIL

1. CONTRACTOR SHALL MAINTAIN A METHOD OF MAINTENANCE, USING A CURB BOX OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.
2. INSTALL AND COMPACT INITIAL BACKFILL TO A MINIMUM OF 6" ABOVE PIPE CROWN.
3. HAND TO PROVIDE UNIFORM SUPPORT.
4. MINIMUM DEPTH 4" (6" IN ROCK CUTS.)
5. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2' - 5" (5 CM-12.5 CM) OVERLAP.
6. APPROXIMATELY 3" (7.5 CM) OVERLAP. STAPLES THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART.
7. APPOINT LOCATION 1' MIN.
8. APPROXIMATELY 3" (7.5 CM) OVERLAP.
9. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
10. WHERE HYDRAULIC GRADIENT EXISTS USE A WELL-GRADED MIXTURE TO MINIMIZE ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

EROSION CONTROL BLANKET DETAIL

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 4" (10 CM) DEEP 8" (20 CM) WIDE TRENCH WITH AN APPROXIMATELY 12" (30 CM) OF BLANKET EXTENDING BEYOND THE BOTTOM OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BEGUN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 8" (20 CM) WIDE TRENCH WITH AN APPROXIMATELY 12" (30 CM) OF BLEND EXTENDING BEYOND THE TOP OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH.
3. INSTALL AND COMPACT INITIAL BACKFILL TO A MINIMUM OF 6" ABOVE PIPE CROWN.
4. HAND TO PROVIDE UNIFORM SUPPORT.
5. MINIMUM DEPTH 4" (6" IN ROCK CUTS.)
6. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2' - 5" (5 CM-12.5 CM) OVERLAP.
7. APPROXIMATELY 3" (7.5 CM) OVERLAP.
8. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
9. WHERE HYDRAULIC GRADIENT EXISTS USE A WELL-GRADED MIXTURE TO MINIMIZE ACCUMULATED SEDIMENT FROM ENTERING THE INLET.
10. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.

INLET PROTECTION, TYPE D
CAN BE INSTALLED IN ANY INLET TYPE WITH A CURB BOX AS KD NOTE

GENERAL NOTES:
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO ASTM C2678.
2. CLASS I EMBEDEMENT MATERIAL SHALL BE CLEAN, Coarse-Grained Soils WITH LITTLE TO NONE POSSIBLE LARGER THAN 1 1/2 - INCHES SHALL BE USED IN THE PIPE EMBEDEMENT.
3. WHERE HYDRAULIC GRADIENT EXISTS USE A WELL-GRADED MIXTURE TO MINIMIZE ACCUMULATED SEDIMENT FROM ENTERING THE INLET.
4. CLASS I MATERIAL IS SUITABLE AS A FOUNDATION AND FOR REPLACING OVER EXCAVATED.
5. CLASS I MATERIAL IS SUITABLE AS A FOUNDATION AND FOR REPLACING OVER-EXCAVATED.
6. INSTALL AND COMPACT BEDDING IN 4"-6" MAXIMUM LAYERS. LEVEL FINAL GRADE BY HAND. MINIMUM 4" IN 6" MARGIN.
7. INSTALL AND COMPACT 6" MAXIMUM LAYERS. WORK IN AROUND PIPE BY HAND TO PROVIDE UNIFORM SUPPORT.
8. INSTALL AND COMPACT INITIAL BACKFILL TO A MINIMUM OF 4" ABOVE PIPE CROWN.
9. EMBEDEMENT COMPACTION.
10. MINIMUM DEPTH 85% STANDARD PROCTOR. USE HAND TAMPER OR VIBRATORY COMPACTORS.
11. EMBEDEMENT INCLUDES BEDDING, HAUNCHING, AND INITIAL BACKFILL.

CLASS II - FLEXIBLE PIPE EMBEDEMENT DETAIL

INLET SIZING AS PER THE PLAIN SECTION LENGTH AND WIDTH TO MATCH THE DRAWING.

USE REBAR OR STEEL RodS FOR REMOVAL.

FOR INLETS WITH CAST CURB BOX USE WOOD 2' x 4" EXTEND 10" BEYOND GRATE WIDTH ON BOTH SIDES. LENGTH VARIES. SECURE TO GRADE WITH WIRE OR PLASTIC TIES.

4" THICK HOLE SHOULD BE HEAT CUT INTO ALL FOUR SIDES.

INLET SPECIFICATIONS AS PER THE PLAIN SECTION LENGTH AND WIDTH TO MATCH THE DRAWING.

FLAP POCKET

PIPE ZONE

HAUNCH ZONE

FOUNDATION (MAY NOT BE REQUIRED)

Springline

EXCAVATION TRENCH WIDTH

FINAL BACKFILL

INITIAL BACKFILL

HAUNCHING

BEDDING

GENERAL NOTES:
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO ASTM C2678.
2. CLASS I EMBEDEMENT MATERIAL SHALL BE CLEAN, Coarse-Grained Soils WITH LITTLE TO NONE POSSIBLE LARGER THAN 1 1/2 - INCHES SHALL BE USED IN THE PIPE EMBEDEMENT.
3. WHERE HYDRAULIC GRADIENT EXISTS USE A WELL-GRADED MIXTURE TO MINIMIZE ACCUMULATED SEDIMENT FROM ENTERING THE INLET.
4. CLASS I MATERIAL IS SUITABLE AS A FOUNDATION AND FOR REPLACING OVER EXCAVATED.
5. INSTALL AND COMPACT BEDDING IN 4"-6" MAXIMUM LAYERS. LEVEL FINAL GRADE BY HAND. MINIMUM 4" IN 6" MARGIN.
6. INSTALL AND COMPACT 6" MAXIMUM LAYERS. WORK IN AROUND PIPE BY HAND TO PROVIDE UNIFORM SUPPORT.
7. INSTALL AND COMPACT INITIAL BACKFILL TO A MINIMUM OF 4" ABOVE PIPE CROWN.
8. EMBEDEMENT COMPACTION.
9. MINIMUM DEPTH 85% STANDARD PROCTOR. USE HAND TAMPER OR VIBRATORY COMPACTORS.
10. EMBEDEMENT INCLUDES BEDDING, HAUNCHING, AND INITIAL BACKFILL.
NOTES:
1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø GREAER THAN OR EQUAL TO 45°.
2. CONCRETE SHOULD BEAR ON THIS QUADRANT OF PIPE AT A MINIMUM.
3. CONCRETE SHOULD BE QURED AT LEAST AS LARGE AS POSSIBLE BUT CONCRETE SHOULD NOT INTERFERENCE WITH MECHANICAL JOINTS.
4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. FLOOR THE ENGINEER IF ON-SITE DATA 5 NOT MEET THE CONDITION OR PRESSURES EXCEED 200 PSI.
5. BUTTRETS BE PLACED AGAINST FIRM UNDISTURBED SOL. OR DISTURBED SOL. COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
6. CONCRETE SHALL HAVE A MINIMUM 7 DAY COMPRSSIVE STRENGTH OF 2000 PSI.
7. ALL POURED BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.
8. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. FLOOR THE ENGINEER IF ON-SITE DATA 5 NOT MEET THE CONDITION OR PRESSURES EXCEED 200 PSI.
9. CONCRETE BUTTRETS SHALL BE RESTRAINED WITH WEDGE ACTION RESTRANING GLANDS.
10. BUTTRETS TO BE HELD IN PLACE WITH WEDGE ACTION RESTRANING GLANDS.
11. PRECAST REINFORCED CONCRETE MANHOLE DETAIL NO SCALE

SECTION A-A

- APPROX. 1 1/8" SLOPE WHERE DEPTH BELOW PIPE EXCEEDS 6" INCHES
- BUTTRETS FOR TEES DETAIL NO SCALE
- BUTTRETS FOR BENDS DETAIL NO SCALE

SECTION A-A

- APPROX. 1 1/8" SLOPE WHERE DEPTH BELOW PIPE EXCEEDS 6" INCHES
- BUTTRETS FOR TEES DETAIL NO SCALE
- BUTTRETS FOR BENDS DETAIL NO SCALE

NOTES:
1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø GREAER THAN OR EQUAL TO 45°.
2. CONCRETE SHOULD BEAR ON THIS QUADRANT OF PIPE AT A MINIMUM.
3. CONCRETE SHOULD BE QURED AT LEAST AS LARGE AS POSSIBLE BUT CONCRETE SHOULD NOT INTERFERENCE WITH MECHANICAL JOINTS.
4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. FLOOR THE ENGINEER IF ON-SITE DATA 5 NOT MEET THE CONDITION OR PRESSURES EXCEED 200 PSI.
5. BUTTRETS BE PLACED AGAINST FIRM UNDISTURBED SOL. OR DISTURBED SOL. COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
6. CONCRETE SHALL HAVE A MINIMUM 7 DAY COMPRSSIVE STRENGTH OF 2000 PSI.
7. ALL POURED BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.
8. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. FLOOR THE ENGINEER IF ON-SITE DATA 5 NOT MEET THE CONDITION OR PRESSURES EXCEED 200 PSI.
9. CONCRETE BUTTRETS SHALL BE RESTRAINED WITH WEDGE ACTION RESTRANING GLANDS.
10. BUTTRETS TO BE HELD IN PLACE WITH WEDGE ACTION RESTRANING GLANDS.
11. PRECAST REINFORCED CONCRETE MANHOLE DETAIL NO SCALE

SECTION A-A

- APPROX. 1 1/8" SLOPE WHERE DEPTH BELOW PIPE EXCEEDS 6" INCHES
- BUTTRETS FOR TEES DETAIL NO SCALE
- BUTTRETS FOR BENDS DETAIL NO SCALE

NOTES:
1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø GREAER THAN OR EQUAL TO 45°.
2. CONCRETE SHOULD BEAR ON THIS QUADRANT OF PIPE AT A MINIMUM.
3. CONCRETE SHOULD BE QURED AT LEAST AS LARGE AS POSSIBLE BUT CONCRETE SHOULD NOT INTERFERENCE WITH MECHANICAL JOINTS.
4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. FLOOR THE ENGINEER IF ON-SITE DATA 5 NOT MEET THE CONDITION OR PRESSURES EXCEED 200 PSI.
5. BUTTRETS BE PLACED AGAINST FIRM UNDISTURBED SOL. OR DISTURBED SOL. COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
6. CONCRETE SHALL HAVE A MINIMUM 7 DAY COMPRSSIVE STRENGTH OF 2000 PSI.
7. ALL POURED BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.
8. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. FLOOR THE ENGINEER IF ON-SITE DATA 5 NOT MEET THE CONDITION OR PRESSURES EXCEED 200 PSI.
9. CONCRETE BUTTRETS SHALL BE RESTRAINED WITH WEDGE ACTION RESTRANING GLANDS.
10. BUTTRETS TO BE HELD IN PLACE WITH WEDGE ACTION RESTRANING GLANDS.
11. PRECAST REINFORCED CONCRETE MANHOLE DETAIL NO SCALE

SECTION A-A

- APPROX. 1 1/8" SLOPE WHERE DEPTH BELOW PIPE EXCEEDS 6" INCHES
- BUTTRETS FOR TEES DETAIL NO SCALE
- BUTTRETS FOR BENDS DETAIL NO SCALE

NOTES:
1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø GREAER THAN OR EQUAL TO 45°.
2. CONCRETE SHOULD BEAR ON THIS QUADRANT OF PIPE AT A MINIMUM.
3. CONCRETE SHOULD BE QURED AT LEAST AS LARGE AS POSSIBLE BUT CONCRETE SHOULD NOT INTERFERENCE WITH MECHANICAL JOINTS.
4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. FLOOR THE ENGINEER IF ON-SITE DATA 5 NOT MEET THE CONDITION OR PRESSURES EXCEED 200 PSI.
5. BUTTRETS BE PLACED AGAINST FIRM UNDISTURBED SOL. OR DISTURBED SOL. COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
6. CONCRETE SHALL HAVE A MINIMUM 7 DAY COMPRSSIVE STRENGTH OF 2000 PSI.
7. ALL POURED BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.
8. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. FLOOR THE ENGINEER IF ON-SITE DATA 5 NOT MEET THE CONDITION OR PRESSURES EXCEED 200 PSI.
9. CONCRETE BUTTRETS SHALL BE RESTRAINED WITH WEDGE ACTION RESTRANING GLANDS.
10. BUTTRETS TO BE HELD IN PLACE WITH WEDGE ACTION RESTRANING GLANDS.
11. PRECAST REINFORCED CONCRETE MANHOLE DETAIL NO SCALE

SECTION A-A

- APPROX. 1 1/8" SLOPE WHERE DEPTH BELOW PIPE EXCEEDS 6" INCHES
- BUTTRETS FOR TEES DETAIL NO SCALE
- BUTTRETS FOR BENDS DETAIL NO SCALE

NOTES:
1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø GREAER THAN OR EQUAL TO 45°.
2. CONCRETE SHOULD BEAR ON THIS QUADRANT OF PIPE AT A MINIMUM.
3. CONCRETE SHOULD BE QURED AT LEAST AS LARGE AS POSSIBLE BUT CONCRETE SHOULD NOT INTERFERENCE WITH MECHANICAL JOINTS.
4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. FLOOR THE ENGINEER IF ON-SITE DATA 5 NOT MEET THE CONDITION OR PRESSURES EXCEED 200 PSI.
5. BUTTRETS BE PLACED AGAINST FIRM UNDISTURBED SOL. OR DISTURBED SOL. COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
6. CONCRETE SHALL HAVE A MINIMUM 7 DAY COMPRSSIVE STRENGTH OF 2000 PSI.
7. ALL POURED BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.
8. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. FLOOR THE ENGINEER IF ON-SITE DATA 5 NOT MEET THE CONDITION OR PRESSURES EXCEED 200 PSI.
9. CONCRETE BUTTRETS SHALL BE RESTRAINED WITH WEDGE ACTION RESTRANING GLANDS.
10. BUTTRETS TO BE HELD IN PLACE WITH WEDGE ACTION RESTRANING GLANDS.
11. PRECAST REINFORCED CONCRETE MANHOLE DETAIL NO SCALE

SECTION A-A

- APPROX. 1 1/8" SLOPE WHERE DEPTH BELOW PIPE EXCEEDS 6" INCHES
- BUTTRETS FOR TEES DETAIL NO SCALE
- BUTTRETS FOR BENDS DETAIL NO SCALE
WATER SERVICE AND SANITARY SEWER LATERAL DETAIL

GENERAL NOTES:
1. SEE PLANS AND SPECIFICATIONS FOR SIZE AND TYPE OF CURB STOP AND BOX CORPORATION AND SERVICE LINE.
2. COMMUNITY STANDARDS SHALL SUPERCEDE THE DIMENSIONS FROM THE PROPERTY LINE.
3. TRACER WIRE SHALL BE INSTALLED ALONG ALL NEWLY INSTALLED WATER SERVICES (INCIDENTAL TO WATER SERVICE PIPING).

WATER SERVICE DETAIL

GENERAL NOTES:
1. SEE PLANS AND SPECIFICATIONS FOR SIZE AND TYPE OF CURB STOP AND BOX CORPORATION AND SERVICE LINE.

SIDE PROTECTION INSTALLATION

GENERAL NOTES:
1. THE SIDE PROTECTION INSTALLATION SHALL BE USED WHERE FROST WILL PENETRATE BELOW THE PIPE INVERT.

PIPES INSULATION DETAIL

GENERAL NOTES:
1. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE.
2. THE END(S) OF THE TRACER WIRE SHALL BE WRAPPED AROUND THE LAST FITTING INSTALLED - NO CONDUCTIVE BOND SHALL BE MADE.

PRESSURE MAIN AIR RELEASE VENT DETAIL

GENERAL NOTES:
1. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE.
2. THE END(S) OF THE TRACER WIRE SHALL BE WRAPPED AROUND THE LAST FITTING INSTALLED - NO CONDUCTIVE BOND SHALL BE MADE.
**CONSTRUCTION DETAILS**

**GENERAL NOTES:**

1. BEDDING AND VAUGHING MATERIAL SHALL BE WELL-GRADED 24 TO 1/4 INCH CRUSHED ROCK OR CONCRETE SLAG TO PROVIDE ENHANCED STRENGTH BUT SUBJECT TO MAINTENANCE AND FREE OF DEBRIS, ORGANIC MATERIAL AND LARGE STONES.

2. BELL AND SPIGOT MATERIAL TO BE PLACED AFTER SETTING PIPE, 4 INCH MEDIUM MINIMUM UNDER BELL, WITH 3 INCH MINIMUM UNDER BELL.

3. BELL AND SPIGOT MATERIAL TO BE DENSIFIED, CONSISTENCY PAVED DENSITY MATERIAL FREE OF DEBRIS, ORGANIC MATERIAL, AND LARGE  STONES.

4. N BLOCK OR OTHER UNCOMPRESSED MATERIALS THE TRENCH SHALL BE OVERDUGGED A MINIMUM OF 6 INCHES AND REFILLED WITH GRANULAR MATERIAL.

5. PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS FOR WELL GRADED CRUSHED STONE. THIS BEDDING SHALL BE COMPACTED AND VIBRATED DURING CONSTRUCTION.

6. ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199. PIPE/STRUCTURE CONNECTIONS SHALL BE PROVIDED AS SPECIFIED AND AS SHOWN ON THE BLUEPRINT.

7. PIPE CONSTRUCTION SHALL CONFORM TO PERTINENT REQUIREMENTS OF ASME-A 112.19.2 AND USE EXPANDED POLYPROPYLENE ADJUSTMENT RINGS AS SPECIFIED.

**CLASS "B" EMBEDMENT FOR RIGID PIPE DETAIL**

**GENERAL NOTES:**

1. PIPE SHALL NOT PROTRUDE INTO STORM MAIN.

2. PIPE SIZE PER PLAN.

3. PIPE TO BE PROVIDED AMONG ENDWALL AS SHOWN.

4. PIPE TO BE PROVIDED IN THE STORM TAP DETAIL (BLIND CONNECTION).

5. PIPE TO BE PROVIDED IN THE STORM MAIN.

6. PIPE GRAFE DETAIL.

7. PIPE GRAFE DETAIL.

**CONCRETE PIPE JOINT TIE DETAIL**

**GENERAL NOTES:**

1. CONCRETE COUPLING PIPE SHALL BE TIED TOGETHER IN THE MANHOLE ILLUSTRATED BY THE DETAIL. LOCATIONS DESIGNATED ON THE PLAN OR AS DIRECTED BY THE ENGINEER.

2. DETAILED DRAWINGS FOR PROPOSED ALTERNATIVE DESIGNS FOR JOINT TIE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

3. HOLES SHALL BE FILLED WITH A NON-SHRINK GROUT OR NON-SHRINK Epoxy Grout AS DIRECTED BY THE ENGINEER.

4. PIPE PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

5. PIPE GRAFE DETAIL.
GENERAL PROJECT NOTES:

1. DRAWN BY: UNITED COOPERATIVE ENGINEERING | ARCHITECTURE | SURVEYING

2. PLOT DATE: D6

3. CONSTRUCTION DETAILS

4. TYPE D CURB AND GUTTER DETAIL

5. 4-INCH COMPACTED AGGREGATE

6. 1/2-INCH/FT BATTER

7. 6"

8. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS (SHORING, BRACING, ETC.) AND SHALL CAREFULLY INSTALL THE NEW SANITARY SEWER PIPING INSTALLED.

9. RED SEAL (DETERMINED BY CITY IN THE FIELD).


11. GENERAL EROSION CONTROL NOTES:


13. GENERAL RENOVATION NOTES:


15. GENERAL PAVING NOTES:


18. GENERAL RESTORATION NOTES:


21. GENERAL UTILITIES NOTES:

22. THE CONTRACTOR SHALL BE RESPONSIBLE TO SCHEDULE HIS/HER WORK TO MINIMIZE THE INCONVENIENCE TO THE RESIDENTS AND BUSINESS LOCATED ADJACENT TO THE PROJECT.  THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST TWO DAYS PRIOR TO CLOSING ANY SERVICE WINDOWS.

23. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SCHEDULE HIS/HER WORK TO MINIMIZE THE INCONVENIENCE TO THE RESIDENTS AND BUSINESS LOCATED ADJACENT TO THE PROJECT.  THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST TWO DAYS PRIOR TO CLOSING ANY SERVICE WINDOWS.

24. GENERAL EROSION CONTROL NOTES:

25. ALL PROPOSED GRADES SHOWN WITHIN THE PLANS ARE FINISHED GRADES.  UNLESS SPECIFIED ON THE PLAN, THE CONTRACTOR SHALL

26. ALL GRADING WORK SHALL BE PERFORMED IN ACCORDANCE WITH THIS CONSTRUCTION PLAN, THE PROJECT SPECIFICATIONS, AND ANY CONDITIONS OF APPROVAL.

27. ALL GRADING WORK SHALL BE PERFORMED IN ACCORDANCE WITH THIS CONSTRUCTION PLAN, THE PROJECT SPECIFICATIONS, AND ANY CONDITIONS OF APPROVAL.

28. GENERAL GRADING NOTES:


32. ALL DISTURBED OPEN SPACE AREAS SHALL BE TOPSOILED (MINIMUM 6" THICK), SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GENERAL PROJECT NOTES, THE LATEST EDITION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND STREET CONSTRUCTION, AND ANY CONDITIONS OF APPROVAL.

33. ALL DISTURBED OPEN SPACE AREAS SHALL BE TOPSOILED (MINIMUM 6" THICK), SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GENERAL PROJECT NOTES, THE LATEST EDITION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND STREET CONSTRUCTION, AND ANY CONDITIONS OF APPROVAL.

34. ALL DISTURBED OPEN SPACE AREAS SHALL BE TOPSOILED (MINIMUM 6" THICK), SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GENERAL PROJECT NOTES, THE LATEST EDITION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND STREET CONSTRUCTION, AND ANY CONDITIONS OF APPROVAL.

35. ALL DISTURBED OPEN SPACE AREAS SHALL BE TOPSOILED (MINIMUM 6" THICK), SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GENERAL PROJECT NOTES, THE LATEST EDITION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND STREET CONSTRUCTION, AND ANY CONDITIONS OF APPROVAL.


38. ALL DISTURBED OPEN SPACE AREAS SHALL BE TOPSOILED (MINIMUM 6" THICK), SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GENERAL PROJECT NOTES, THE LATEST EDITION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND STREET CONSTRUCTION, AND ANY CONDITIONS OF APPROVAL.


40. ALL DISTURBED OPEN SPACE AREAS SHALL BE TOPSOILED (MINIMUM 6" THICK), SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GENERAL PROJECT NOTES, THE LATEST EDITION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND STREET CONSTRUCTION, AND ANY CONDITIONS OF APPROVAL.

41. ALL DISTURBED OPEN SPACE AREAS SHALL BE TOPSOILED (MINIMUM 6" THICK), SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GENERAL PROJECT NOTES, THE LATEST EDITION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND STREET CONSTRUCTION, AND ANY CONDITIONS OF APPROVAL.

42. ALL DISTURBED OPEN SPACE AREAS SHALL BE TOPSOILED (MINIMUM 6" THICK), SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GENERAL PROJECT NOTES, THE LATEST EDITION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND STREET CONSTRUCTION, AND ANY CONDITIONS OF APPROVAL.

43. ALL DISTURBED OPEN SPACE AREAS SHALL BE TOPSOILED (MINIMUM 6" THICK), SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GENERAL PROJECT NOTES, THE LATEST EDITION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND STREET CONSTRUCTION, AND ANY CONDITIONS OF APPROVAL.

44. ALL DISTURBED OPEN SPACE AREAS SHALL BE TOPSOILED (MINIMUM 6" THICK), SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GENERAL PROJECT NOTES, THE LATEST EDITION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND STREET CONSTRUCTION, AND ANY CONDITIONS OF APPROVAL.

45. ALL DISTURBED OPEN SPACE AREAS SHALL BE TOPSOILED (MINIMUM 6" THICK), SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GENERAL PROJECT NOTES, THE LATEST EDITION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND STREET CONSTRUCTION, AND ANY CONDITIONS OF APPROVAL.

46. ALL DISTURBED OPEN SPACE AREAS SHALL BE TOPSOILED (MINIMUM 6" THICK), SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GENERAL PROJECT NOTES, THE LATEST EDITION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND STREET CONSTRUCTION, AND ANY CONDITIONS OF APPROVAL.

47. ALL DISTURBED OPEN SPACE AREAS SHALL BE TOPSOILED (MINIMUM 6" THICK), SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GENERAL PROJECT NOTES, THE LATEST EDITION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND STREET CONSTRUCTION, AND ANY CONDITIONS OF APPROVAL.

GENERAL NOTE:
1. CONTRACTOR SHALL INSTALL INLET PROTECTION IN ALL PROPOSED STORM MANHOLES/INLETS ONCE INSTALLED (SEE DETAIL).
2. CONTRACTOR TO INSTALL EROSION MATTING ON ALL SLOPES GREATER THAN 4H:1V OR AS DIRECTED BY OWNER.
3. CONTRACTOR TO INSTALL EROSION BALES IN PROPOSED DITCHES AS NEEDED TO ESTABLISH TURF LAWN.

APPROXIMATE DISTURBANCE LIMITS

APPROX. PROP. LINE
APPROX. R/W

CONTRACTOR TO CLEAR & GRUB EXISTING TREES AND VEGETATION AS DIRECTED BY THE OWNER (TYP.)

INSTALL TRACKING PAD AT ALL SITE ENTRANCES (SEE DETAIL)

INSTALL TRACKING PAD AT ALL SITE ENTRANCES (SEE DETAIL)

INSTALL AND MAINTAIN INLET PROTECTION (TYP., SEE DETAIL)

INSTALL AND MAINTAIN TEMORARY EROSION BARRIERS (TYP., SEE DETAIL)

SEE SHEET ST3 FOR WORK EXTENTS AND INFORMATION FOR AREA TO THE NORTH ALONG RAILROAD TRACKS.

© MSA Professional Services, Inc.
www.msa-ps.com

ENGINEERING | ARCHITECTURE | SURVEYING
FUNDING | PLANNING | ENVIRONMENTAL

UNITED COOPERATIVE DEVELOPMENT PROJECT
UNITED COOPERATIVE
CITY OF WAUPUN, DODGE COUNTY, WISCONSIN

PROJECT NO. 02678018
SHEET ST1

DRAWN BY: 
DESIGNED BY: 
CHECKED BY: 

EROSION CONTROL & REMOVAL PLAN

PLOT DATE: 10/6/2022 1:01 AM
G:\02\02678\02678018\CADD\Construction Documents\02678018 Erosion Control.dwg

PROJECT DATE: 8/2022

NO. REVISION BY DATE

(920) 887-4242 201 Corporate Drive, Beaver Dam WI 53916

GENERAL NOTE:

1. CONTRACTOR SHALL INSTALL INLET PROTECTION IN ALL PROPOSED STORM MANHOLES/INLETS ONCE INSTALLED (SEE DETAIL).

APPROX. PROP. LINE
APPROX. R/W

CONTRACTOR TO CLEAR & GRUB EXISTING TREES AND VEGETATION AS DIRECTED BY THE OWNER (TYP.)

INSTALL TRACKING PAD AT ALL SITE ENTRANCES (SEE DETAIL)

INSTALL TRACKING PAD AT ALL SITE ENTRANCES (SEE DETAIL)

INSTALL AND MAINTAIN INLET PROTECTION (TYP., SEE DETAIL)

INSTALL AND MAINTAIN TEMORARY EROSION BARRIERS (TYP., SEE DETAIL)

SEE SHEET ST3 FOR WORK EXTENTS AND INFORMATION FOR AREA TO THE NORTH ALONG RAILROAD TRACKS.
GENERAL NOTES:
1. All proposed contours within the railroad right-of-way refer to the existing right-of-way as proposed.
2. Contractor to coordinate all work around the railroad with the track engineer.
3. Contractor to coordinate all work around the proposed buildings with the architectural plans (incidental).
GENERAL NOTES:
1. All proposed contours within the railroad track areas refer to the bottom of subballast or top of subgrade elevation. All proposed contours outside of the railroad track areas refer to the proposed top of ground.
2. Contractor to coordinate all work along railroad with VIA Rail Engineering (Incidental).

PROP. DRAINAGE SWALE @ 0.5% CONTRACTOR TO INSTALL SWALE WITH 2H:1V SIDE SLOPES WITH MEDIUM RANDOM RIPRAP

INV. = 917.0

CONTRACTOR TO FIELD VERIFY ELEVATION OF EXISTING DITCH AT PROP. MATCH. CONTRACTOR TO COORDINATE WITH OWNER IF ADDITIONAL DISTURBANCE IS NECESSARY TO GRADE PROP. SWALE

INSTALL & MAINTAIN SILT FENCE ALONG EXISTING DRAINAGE DITCH (SEE DETAIL)

PROP. DRAINAGE SWALE @ 0.3% CONTRACTOR TO INSTALL SWALE WITH 2H:1V SIDE SLOPES WITH MEDIUM RANDOM RIPRAP

INV. = 917.0

CONTRACTOR TO FIELD VERIFY ELEVATION OF EXISTING DITCH AT PROP. MATCH. CONTRACTOR TO COORDINATE WITH OWNER IF ADDITIONAL DISTURBANCE IS NECESSARY TO GRADE PROP. SWALE

INSTALL & MAINTAIN SILT FENCE ALONG EXISTING DRAINAGE DITCH (SEE DETAIL)
CONTRACTOR TO INSTALL AIR RELEASE VALVE (SEE DETAIL) IF A HIGH POINT IS LOCATED IN THE WATER MAIN FROM INSTALLING THE NEW WATER MAIN BELOW CONTRACTOR TO FIELD VERIFY THE ELEVATION OF THE INSTALLED WATER MAIN.

CONTRACTOR TO INSTALL 8 IN. PVC 6'' GATE VALVE & BOX RETURN TO THE CITY (INC.).

CONTRACTOR TO INSTALL 8'' 45 VERTICAL BENDS INSTALL MANHOLE TO ADJUST LEVELS TO PROPOSED PROFILE. ENSURE CORRECT CLEARANCES REQUIRED BY THE CITY.

DIRECTED BY THE OWNER AND/OR CITY. CONTRACTOR TO USE INDIRECT METHODS TO CREATE THE SETTLEMENT AREAS (TYP.)

DIRECTED BY THE OWNER AND/OR CITY. CONTRACTOR TO ADJUST MATERIALS TO PROPOSED PROFILE.

HOLE/STUB AS NECESSARY TO INSTALL WATER MAIN UNDER PROPOSED STORM SEWER OVER THE EXISTING SANITARY SEWER PIPE (SEE DETAIL). CONTRACTOR TO FIELD VERIFY LOCATION AND ELEVATION.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN PROPOSED 20' WIDE UTILITY EASEMENT.

CONTRACTOR TO INSTALL AIR RELEASE VALVE (SEE DETAIL) IF A HIGH POINT IS LOCATED IN THE WIRE MAIN FROM INSTALLING THE NEW WIRE MAIN BELOW CONTRACTOR TO FIELD VERIFY THE ELEVATION OF THE INSTALLED WIRE MAIN.

EXISTING PINES & WIRE MAINS.

CONTRACTOR TO INSTALL 260 L.F. - 8 IN. PVC (PRIVATE) @-0.40% CONTACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE (SEE DETAIL). CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE (SEE DETAIL) IF A HIGH POINT IS LOCATED IN THE WATER MAIN FROM INSTALLING THE NEW WATER MAIN BELOW CONTRACTOR TO FIELD VERIFY THE ELEVATION OF THE INSTALLED WIRE MAIN.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN PROPOSED 20' WIDE UTILITY EASEMENT.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.

CONTRACTOR TO INSTALL AIR RELEASE VALVE IN MATCH LINE - STA. 105+00 OF EXISTING HOLE/STUB. CONTRACTOR TO ADJUST MANHOLE TO MATCH LINE - STA. 105+00.
STORM WATER POND LIFT STATION SECTION

- 6" DISCHARGE PIPING
- 6" ABOVE TOP OF POND
- TOP OF POND
- INSTALL RIPRAP ALONG SLOPE
- GEOTEXTILE FABRIC
- 9" DISCHARGE PIPING

- STORM WATER UPPER POND
- SUBMERSIBLE PUMP, SEE DETAIL
- 8" DISCHARGE PIPING, 6" ABOVE TOP OF POND

- STORM WATER LOWER BASIN
- 37 LF - 15" HDPE @ 1.0% MIN
- INSTALL RIPRAP ALONG SLOPE
- GEOTEXTILE FABRIC

- 10" I.E. = 908.03
- 10" I.E. = 908.63
- 1:1 CONCRETE FILLET
- 18" GEOTEXTILE FABRIC

- STORM WATER POND LIFT STATION SECTIONS

UNITED COOPERATIVE DEVELOPMENT PROJECT
UNITED COOPERATIVE
CITY OF WAUPUN, DODGE COUNTY, WISCONSIN

PM1
STORM WATER POND LIFT STATION WET WELL SECTION, 9" PUMP

NOT TO SCALE

1. Level Transducer
2. Submersible Pump
3. SS Chain
4. Still Well
5. Float Cable Anchor
6. Pump #1 On
7. Pump #1 Off
8. HWL Alarm
9. LWL Alarm
10. Floor Level

STORM WATER POND LIFT STATION SECTIONS
STORM WATER POND LIFT STATION SUBMERSIBLE PUMP

STORM WATER POND LIFT STATION MANHOLE HATCH DETAIL

FRAME

COVER (OPEN)

LIFTING HANDLE

SS HINGES WITHOUT PROOF FASTENERS

CONCRETE ANCHOR

COATING REQUIRED

SECTION

GRATING SHALL HAVE EXTENDED HANDLE

COVER LOCKING DEVICE

SAFETY GRATING

PLAN

FRAME

COVER (OPEN)

LIFTING HANDLE

SS HINGES WITHOUT PROOF FASTENERS

CONCRETE ANCHOR

COATING REQUIRED

SECTION

GRATING SHALL HAVE EXTENDED HANDLE

COVER LOCKING DEVICE

SAFETY GRATING

PLAN

FRAME

COVER (OPEN)

LIFTING HANDLE

SS HINGES WITHOUT PROOF FASTENERS

CONCRETE ANCHOR

COATING REQUIRED

SECTION

GRATING SHALL HAVE EXTENDED HANDLE

COVER LOCKING DEVICE

SAFETY GRATING

PLAN

FRAME

COVER (OPEN)

LIFTING HANDLE

SS HINGES WITHOUT PROOF FASTENERS

CONCRETE ANCHOR

COATING REQUIRED

SECTION

GRATING SHALL HAVE EXTENDED HANDLE

COVER LOCKING DEVICE

SAFETY GRATING

PLAN

FRAME

COVER (OPEN)

LIFTING HANDLE

SS HINGES WITHOUT PROOF FASTENERS

CONCRETE ANCHOR

COATING REQUIRED

SECTION

GRATING SHALL HAVE EXTENDED HANDLE

COVER LOCKING DEVICE

SAFETY GRATING

PLAN
STORM SEWER STRUCTURE SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN.

- **Emergency Overflow Route**
  - Utility trenches shall be mechanically compacted in accordance with the standard provisions of Sections 182.0715(2R) of the State Statutes.

- **Storm Sewer**
  - Provided.
  - Provide tracer wire or other methods in order to be located in accordance (as-builts) showing any changes during construction.

- **Sanitary Sewer (T/W - Ground Grade at Top of Wall, B/W - Ground Grade at Bottom)**
  - Proposed storm sewer shall be PVC, ASTM D-3034, SDR 35 with rubber elastomeric joints conforming to ASTM D-3212 (unless otherwise noted).

- **Sanitary Manhole**
  - Grade at building door elevation.

- **Fire Hydrant**
  - Grade at bottom.

- **Light Pole**
  - Grade at top of pavement.

- **Electrical Line**
  - Grade of curb.

- **Sanitary Main**
  - Grade at finished grade, top of pavement, flange of curb.

- **Gas Line**
  - Grade at building door elevation.

- **Pavement Marking Directional Arrows**
  - Proposed.

- **Keys Plan**
  - Waupun, WI 53963
  - 620 W Brown St,
  - W Jefferson St
  - Beaver Dam St
  - Elm Ave
  - W Jefferson ST

- **Used for Fill**
  - May be used elsewhere. Slurry backfill will be required in public roadways.

- **Backfill Requirements and Roadway/Sidewalk Restoration**
  - Shall adhere to local standards and the Dept. of Safety and Professional Service for top of curb elevations.

- **Contractor is Responsible for Providing the Owner with a Set of Marked Up Plans**
  - Contractor is responsible for verifying existing soil conditions, construction and notifying Construction Manager of any findings.

- **Locating Buried Underground Exterior Nonmetallic Utilities**
  - Must be provided. Provide tracer wire or other methods in order to be located in accordance (as-builts) showing any changes during construction.

- **Contractor is Responsible for Protecting All Property Corners**
  - Contractor is responsible for protecting all property corners.

- **Pavement to Existing in Elevation and Alignment**
  - Contractor shall match proposed concrete curb and gutter, sidewalk and strength test must equal 4000 psi.

- **Elevations**
  - See architectural plans for exact building & foundation details and orientation.

- **Truncated Domes**
  - 100.00B/W
  - Be reset and adjusted to match finish grade.

- **Minor Contour**
  - 100.00T/W
  - Immediate for evaluation.

- **Major Contour**
  - 100.50T/C
  - Immune to construction.

- **Slurry Backfill**
  - Shall be used in public roadways.

- **Backfill Requirements**
  - Shall adhere to local standards and the Dept. of Safety and Professional Service for top of curb elevations.

- **Owner and WDNR (If Required) Prior to Construction**
  - All permits must be received from the owner and WDNR (if required) prior to the start of construction. It is the contractor's responsibility to ensure all permits are obtained.

- **Existing: Site and Grading Plan**
  - The engineer makes no warranty or representation regarding the accuracy of survey data.
  - The engineer makes no warranty or representation regarding the accuracy of survey data.

- **Existing Survey**
  - Capital Survey Enterprises

- **Existing: Survey**
  -CAPITOL SURVEY ENTERPRISES

- **Existing: Existing Survey**
  -WAUPUN MEMORIAL HOSPITAL - EYE CLINIC

- **Existing: Parking Lot Expansion**
  - Parking lot expansion

- **Existing: Hospital - Eye Clinic**
  - Hospital - eye clinic

- **Existing: Waupun Memorial**
  - Waupun Memorial
EXISTING BUILDING

MAIN STREET

EXISTING BUILDING

EXISTING BUILDING

EXISTING TREE TO REMAIN

EXISTING TREE TO BE REMOVED

EXISTING 18" WIDE CURB AND GUTTER

DENOTES EXISTING PROPERTY BOUNDARY (TYP)

DENOTES EXISTING FENCE (TO REMAIN)

EXISTING POWER POLE TO BE RE-LOCATED
CONTRACTOR TO COORDINATE WITH UTILITY COMPANY

EXISTING POWER POLE TO BE RE-LOCATED
CONTRACTOR TO COORDINATE WITH UTILITY COMPANY

REMOVE EXISTING CURB AS NEEDED TO INSTALL PROPOSED IMPROVEMENTS
MATCH INTO EXISTING CURB (TYP, BOTH SIDES)
ENSURE POSITIVE DRAINAGE ALONG BUILDING

EXISTING TREE TO BE REMOVED
EXISTING TREE TO REMAIN

MAIN STREET
SET GROUND GRADING 6" BELOW TOP OF CURB TO EASE SLOPE BETWEEN CURB AND BUILDING

DENOTES PROPOSED 18" WIDE CURB AND GUTTER

DENOTES PROPOSED REGULAR DUTY ASPHALT PAVEMENT

EXISTING CURB INLET
RIM = 907.77
EX INV = 901.74 (12" S)
PR INV = 901.74 (12" NE)
(CORE NEW HOLE)

PROPOSED 56 L.F. 12" PVC STORM SEWER @ S=0.50%
PROPOSED INLET
RIM = 906.75
INV = 902.02 (12" SE)
INV = 902.02 (12" N)
INV = 902.02 (8" SE)

PROPOSED 89 L.F. 12" PVC STORM SEWER @ S=0.50%
PROPOSED CURB INLET
RIM = 905.00
INV = 902.47 (12" S)
INV = 902.47 (6" SE)

EXISTING CURB INLET
RIM = 904.25
INV = 902.47 (6" S)
INV = 902.47 (12" S)

PROPOSED 125 L.F. 6" UNDERDRAIN @ S=1.00%
SEE DETAIL

CONNECT TO EXISTING DOWNSPOUT

PROPOSED 36 L.F. 8" PVC STORM SEWER @ S=1.00%

PROPOSED CLEANOUT
RIM = 906.00
INV = 903.72 (6" N)

PROPOSED 125 L.F. 6" UNDERDRAIN @ S=1.00%
SEE DETAIL

CONNECT TO EXISTING DOWNSPOUT

PROPOSED 36 L.F. 8" PVC STORM SEWER @ S=1.00%
EXISTING CONDITIONS SURVEY
FOR
WAUPUN MEMORIAL HOSPITAL
620 W BROWN STREET
WAUPUN, WI 53963

NOTE: SURVEY COMPLETED BY CAPITOL SURVEY ENTERPRISES.
THE ENGINEER MAKES NO WARRANTY OR REPRESENTATION WITH REFERENCE TO THE ACCURACY AND COMPLETENESS OF THE EXISTING CONDITIONS INDICATED OR NOT INDICATED ON THE ENGINEERING PLANS PROVIDED.