



**Department of Public Works
Engineering Division**

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**PUBLIC WORKS COMMITTEE
MEETING NOTICE AND AGENDA**

Thursday, February 22, 2024

4:00 PM

City Hall Common Council Chambers
W240N3065 Pewaukee Road, Pewaukee, WI 53072

-
1. Call to Order and Pledge of Allegiance
 2. Public Comment - Please limit your comments to 2 minutes. If further time for discussion is needed, please contact your local Alderperson prior to the meeting.
 3. Discussion and Action Regarding the Minutes of 12/7/2023
 - 3.1. Discussion and possible action regarding the meeting minutes of December 7, 2023.
 4. Storm Water Management Division
 - 4.1. Discussion and possible action regarding the Springdale Estates Drainage project.
 5. Water and Sewer Division
 - 5.1. Discussion and possible action regarding Public Service Commission to reclassify the City of Pewaukee Water Utility from Class C to Class AB.
 6. Engineering Division
 - 6.1. Discussion and possible action regarding the policy to extend municipal sanitary sewer and water main as part of road reconstruction projects.
 7. Public Comment - Please limit your comments to 2 minutes. If further time for discussion is needed, please contact your local Alderperson prior to the meeting.
 8. Adjournment

Magdelene Wagner
Director of Public Works

February 22, 2024

NOTICE

It is possible that members of other governmental bodies of the municipality may be in attendance to gather information that may form a quorum. At the above stated meeting, no action will be taken by any governmental body other than the governmental body specifically referred to above in this notice.

Any person who has a qualifying disability under the Americans with Disabilities Act that requires the meeting or materials at the meeting to be

in an accessible format must contact the DPW Main Office, at (262) 691-0804 by 12:00 p.m. the Tuesday prior to the meeting so that arrangements may be made to accommodate your request.

**CITY OF PEWAUKEE
PUBLIC WORKS COMMITTEE AGENDA ITEM 3.1.**

DATE: February 22, 2024

DEPARTMENT: PW - Water/Sewer

PROVIDED BY:

SUBJECT:

Discussion and possible action regarding the meeting minutes of December 7, 2023.

BACKGROUND:

FINANCIAL IMPACT:

RECOMMENDED MOTION:

ATTACHMENTS:

Description

12/7/2023 Minutes

In Attendance

Mayor S. Bierce, Alderman J. Wamser, Committee Members: M. Kreiter, D. Swan, J. Tormey

Also in Attendance

M. Wagner-Director of Public Works, R. Wirtz-Chief Engineer-Utilities, M. Gabbey-Chief Engineer-Streets and Development

1. Call to Order and Pledge of Allegiance

Mayor Bierce called the meeting to order at 4:00 p.m. and requested everyone stand for the Pledge of Allegiance.

2. Public Comments

None

3. Discussion and Action Regarding the Minutes

3.1. Discussion and possible action regarding the 9/12/2023 minutes.

A motion was made and seconded (J. Tormey, J. Wamser) to approve the September 12, 2023 meeting minutes. Motion passed: For-5, Against-0

4. Storm Water Management Division

4.1. Discussion and possible action regarding Springdale Estates Drainage Easement Rehabilitation.

Mr. Wirtz provided the Committee with a plan for regrading the drainage swale between Aspenwood Lane to Stonewood Lane. The Committee had previously requested Staff break the project into only those portions that have a problem; from the mid-point to the east and the west end wall from the storm sewer in Aspenwood Lane. The concrete end wall has separated and settled into a hole. Staff plan to raise and re-attach the end wall, then fill the bottom portion of the hole with stone and place rip rap around the side slopes to prevent erosion. Mr. Wirtz stated that this would be the extent of the work on the west end.

From about the mid-point of the drainage swale to the east, Mr. Wirtz stated he had noticed ponding water further to the west than anticipated. The location was by a bunch of stumps. The re-ditching would begin at this point and extend to the east. A couple of storm sewers outfalling to the drainage swale have separated joints at the end section; one at the very east end and another at the 30-inch storm sewer to the west which comes from the north. Places of access to the project are over the storm sewer easement off Ridgewood Lane and the storm sewer easements on either end of the project. Staff are planning to bid the work this March. Staff will perform an additional walk through with Wachtel Tree Science to ensure the trees are correctly located. Mr. Wirtz stated that most of the ditching work has not changed from the previous plan. Staff plan to restore the swale invert with either rip rap or Fleximat, which will hold up better than trying to

restore the invert with topsoil and seed. Areas that have grass cover will be restored with grass seed and erosion mat.

Mayor Bierce asked if the disturbance on the west end would be just by the road. Mr. Wirtz stated the disturbance would be from the roadway to the end section, a couple hundred feet. Mr. Wirtz showed Mayor Bierce on the plan sheet the location of the work to be performed. Mayor Bierce stated that everyone from Aspenwood Lane to the storm sewer end-section will have the minor disturbances of equipment driving through their backyard. Mr. Wirtz said that portion of the work shouldn't take more than a day. Mayor Bierce asked if the major work will be from the mid-point to Stonewood Lane, and Mr. Wirtz said yes.

Mayor Bierce asked if Staff could give the residents notice when the walk through with Wachtel Tree Science will take place. Mr. Wirtz said that could be done. Staff plan to have an Engineer Technician along with Wachtel to locate the trees that would be saved with GPS.

Public Comments

Lee Penton, N27W22653 Burningwood Lane. Mr. Penton stated he lives on the north side of the west end of the easement. He requested the city mark the trees they are looking to remove and notify the residents when it will take place so they can be part of the process and weigh in. He asked if this was going to be a settling pond? Mr. Wirtz said it will not. Staff plan to raise the end section so it can be daylighted, fill the hole with stone, and armor the sides so discharges dissipate their energy on the stone so it doesn't cause erosion. Mr. Penton stated that they have no problems with rain; that 24 hours later any ponding is gone.

Robert Lumsden, W226N2692 Aspenwood Lane. Mr. Lumsden stated the city map has two honey crisp trees mapped that he planted years ago that are listed not to be touched; he stated that he does not want them removed. He also said there are six trees in the back corner of the lot with X's near the garden. He is not happy that they are to be removed but understands if they must be. He agreed with what Mr. Penton said, that water has never accumulated in the back swale. Mayor Bierce stated that other than this one portion of the project on the west side, there won't be much done on this end; but the City does have to fix the deficiency.

An audience member asked when this project was targeted to start. Mr. Wirtz said it will bid this March and, weather permitting, the start date will be sometime in May.

Vickie Dedolph, N26W22326 Ridgewood Lane. Ms. Dedolph stated she lives at the very east end and they will lose a ton of trees. She asked, because of the cement wall on her property, how the City plans to get equipment into the yards to get the trees down and haul them out? Ms. Dedolph also stated the neighbor to the north has a pipe where the rain rushes down. She asked if there are any plans to put any boulders there to slow down the rush of rain as it comes down? Mr. Wirtz said they will mainly use the existing easements to access the yards. There is a 30-foot easement; 15-feet on either side of the property line. He said this is a challenging project and will include a lot of work done by hand by the contractor. And, in terms of resetting the end sections, the City may be taking the Fleximat or stone rip rap and bring it up to stop the heavy flow of rain. Ms. Dedolph stated that 24 hours after a heavy rain there is no water. Mr. Wirtz stated there are a couple pockets that pond water that can get rather deep. Access for the work on the west end is from Aspenwood Lane over the existing storm sewer easement. There are two access points for the eastern piece; one is off Stonewood Lane and one is off Ridgewood Lane in the existing storm sewer easements.

Joe Zanella, N26W22598 Oakwood Lane. Mr. Zanella stated he is trying to understand the difference between the scope of work from the last meeting and today's plans. He was trying to interpret where the work will start, stop, and start again. He assumes it will start at Aspenwood Lane and stop at lot 22, and there is nothing between lots 22 and 13, no tree removals, nothing. Mr. Wirtz said that was right. In between lots 7 and 6 of block 15, there is a 20-foot storm sewer easement that runs north and south and comes off Ridgewood Lane. The only other viable access point runs off Stonewood Lane at the very east end (lots 1 and 2). The storm sewer easement that comes off Stonewood Lane from the north is built up. The City would have to do some pretty extensive removals to get an access point from the north. Mr. Zanella thanked him for re-evaluating the plans in his area.

An audience member asked Mr. Wirtz to repeat the entrance points. Mr. Wirtz stated there is a storm sewer easement between lots 6 and 7. Staff is looking to make use of that easement. The only other viable access point is from Stonewood Lane over the existing 42-inch storm sewer. The City will essentially be accessing the project from the very east end and from mid-point of the work from the south coming in. A question was asked if lots 13-15 is an access point? Mr. Wirtz stated no.

An audience member asked if those are the best points to get in. Mr. Wirtz stated there isn't a good point to get in as everything is built up with trees, landscaping, etc. These are existing easements where we are allowed to access, so we are going to try and use them as much as possible. The same audience member asked if there was any thought being given to approaching neighbors if a better access point is found, to try and offer them some money to be a good neighbor, in addition to the City repairing all the damage done? Mayor Bierce said that is not the road the City is going to go down.

Mr. Swan asked if there is anything else in the City easements that residents should be warned about that may have to go? Mr. Wirtz said he believes there are some retaining walls on the edge or partially in the easement, though we are not proposing to remove any of these, that it is mainly trees. Ms. Wagner stated that we will send out a notification as soon as we know what the schedule is to notify residents that anything in the easement that they want saved should be removed by them because the contractor will remove it and it will not be saved or replaced.

A motion was made and seconded (J. Tormey, J. Wamser) to recommend to send the revised Springdale Estates rehabilitation plans to Common Council for further action.

Motion Passed: For-5, Against-0.

5. Water and Sewer Division

5.1. Discussion and possible action regarding the Final Sanitary Sewer Facility Plan.

Ms. Wagner stated that Staff gave a presentation to the Common Council regarding the sanitary sewer and the water main facility plan, and included the slides in your packet. If interested, Ms. Wagner highly recommends the Committee listen to the minutes from the online meeting. There is some good information provided with good questions from the Council. This is just for the sewer. If anyone on the Committee is interested, they can set up a time to come in and take a look at it. Staff will not be putting it on the website as there is some critical infrastructure information included that cannot be publicly released.

With regards to the sanitary sewer system, Staff are undertaking some of the action items already. The Gun Club lift station is being replaced; it was already bid out and awarded. It will be a two-year process before it is up and running and replacing the existing station. Staff discussed a couple areas where there is potential

for development and how to serve those areas, and what some of the challenges would be when those areas come into development. Also discussed was the current capacity of the system, what could be built there, and any improvements that would be required if it would go above and beyond. There would also be some revisiting of intermunicipal agreements in order to buy additional capacity in the systems that we have downstream.

With regards to the water system, the Utility has challenges with some long dead ends and are planning to install some looping water main to reinforce our system. In 2024, Staff are looking to install a loop from Swan View Farms subdivision to the Sports Complex through Balmer Park. This project will help reinforce the long dead end the Utility has extending to Woodleaf Reserve and Victoria Station. The Utility has some long dead ends on the southwest side of the City that are a bit more challenging because of the looping that has to be done within county roads. Prospect Avenue will be a challenge with the current conditions and the current right-of-way available. Staff have not dedicated a lot of time to what that route will be as PFAS has pushed that back some.

PFAS were detected in Well. However, due to capacity concerns in the water system Staff did not want to take out Well 8 in addition to Wells 11 and 12. Taking them out of service could cause challenges with meeting the water demands of the community. Moving forward it will become critical to figure out what treatment system needs to be installed to remove the PFAS. It will be a three-year project to determine what works best and then get it tested, installed and online. Those wells are critical to the Utility's system, and it is important to keep moving forward as Staff reviews the projects for the community. It is on the top of the list, as well as taking out Well 5 and looping that main to provide another source to the Bluemound Industrial Park area. There is additional modeling that can be done for future expansion of the system into new areas. Staff are finding more businesses want to put their own fire pumps into their buildings, which can create strains and pressure issues in the system. If anyone has any further questions, Mayor Bierce directed them to contact Ms. Wagner.

Mr. Tormey said that in the Executive Summary he didn't see if Staff was recommending any additional capacity, like adding an additional well. Is that being considered? Ms. Wagner said our capacity is basically at the minimum and we need a lot of storage and capacity. It shows that we are just shy of the break-even point. This is based on the land use projects, so the exact timing will fluctuate. We will revisit these for future projections as we continue to grow.

Mr. Wamser asked if Ms. Wagner was aware of what the results are of the City of Waukesha not pulling water from the aquifer anymore, are our water levels going to go up? Ms. Wagner said that SEWRPC supported Waukesha going to Lake Michigan water because taking them out of the mix will have some recovery of the aquifer for the rest of us. They do have to maintain some wells for emergency purposes, but the rest of the time they are solely on Lake Michigan water. But to what level the aquifer will recover we don't know. He also asked if the well is still operable on Northmound Road? Ms. Wagner said that it is currently out of service and is one that is required to be abandoned.

No action was taken.

5.2. Discussion and possible action regarding potential water rate increase and notice of Public Service Commission public hearing.

Ms. Wagner reported on a recent public hearing required by the Wisconsin Public Service Commission (PSC) for step-one of a new rate increase. The City is currently looking at a two-step water rate increase.

The first step is for projects that we have already completed in our community as well as our increase in operation costs, mostly due to inflation and construction costs. The proposed revenue increase is estimated to be \$429,000. We are reducing our public fire protection rate from \$.05 cents to \$0.45 cents per \$1,000 for the assessed value of a property. This is largely due to the recent revaluation of assessed property values. Our water rate will increase from \$3.62 to \$4.75 per 1,000 gallons. Our water meter quarterly charges are going up slightly, most residential will see an increase of about \$5.00. The step-one rate increase is 27.3%, which for the average property owner that uses 15,000 gallons of water per quarter, including the sewer charge, will be approximately \$242.25. Mr. Wirtz stated the average water/sewer utility bill using the new water rate will increase from \$220.50 to \$242.25, or a difference of \$21.75 per quarter. This rate increase is proposed to begin the 1st quarter of 2024.

The step-two rate increase is dependent on when we finish the Bluemound Road water main loop. Once that is completed, we will get the final approval from the PSC. This would likely increase our revenues by \$361,000, for largely paying back the debt from that project.

Once the City gets the final approval from the PSC, the Common Council will have to take action to approve the new rate.

Mayor Bierce asked about an increase in the sewer charge. Ms. Wagner stated that the sewer rate will remain the same; this is just a water rate increase. She said that our analysis has shown the current sewer rate charge is adequate. We have the challenge on the sewer side of charging one flat rate for the sanitary sewer across the whole community. The City of Waukesha and the Lake Pewaukee Sanitary District are charging our customers their rates, which have both gone up, and we must cover the difference. So though there are no current plans to increase the sewer rates, this will be re-evaluated again in 2025-2026 to make sure it is still adequate. There are also a couple of larger sewer projects coming up.

Mr. Swan asked about the Shady Lane/Shady Nook road resurfacing project and the previous discussion about adding water and sewer main before it is repaired. Ms. Wagner stated that the Council rejected the bids to add sanitary and water main extension before the road project, and directed Staff to bid it out just as a road project. The roads will be replaced in 2024 without sanitary sewer and water main. Mr. Swan said that though some of the people stated they did not want it, most residents felt they couldn't afford the cost of the assessments.

No action was taken.

6. Engineering Division

6.1. Discussion and update regarding the Lindsay Road and Pewaukee Road (STH 164) intersection signals.

Ms. Wagner reported on a previous discussion and request from the Committee for the City to ask the Village of Pewaukee and the State to install traffic signals at the intersection of Pewaukee Road (STH 164) and Lindsay Road. The Village said they are interested in participating and the City drafted an intergovernmental agreement between the City and the Village for the signal installation. Staff have also been in contact with Wis DOT to add it to their project. The Village agreed in concept, but we haven't discussed shared costs yet. They wanted to contact Waukesha County first and ask if they would pay for the signals, as they felt it benefits the county overall. We are waiting for a response from the County before the Village will take it up again. We have left it with the Village to propose what the share would be for the

City given that it is located in the Village of Pewaukee, not the City. The updated number from the State is that we would be responsible for the full \$350,000 for the project, so depending on what the split would be with the Village will determine where we end up. The Common Council and the Village Board both support this project; it is just down to determining the costs and how that is going to be broken out, and if Waukesha County is going to have any share in it at all.

Mr. Tormey asked if there has been any discussion regarding the maintenance once it has been installed. Ms. Wagner said there has not. The State has not indicated that we would be responsible for maintenance in any correspondence she has received to date, and she has not asked that question specifically.

Mr. Swan asked if that road is going to be done this year, and Ms. Wagner said yes. He asked if she had any idea when the next time that road might be improved so we could go back again and ask; she said at least 20 years. Because the State project is a resurfacing project and not a reconstruction project it does not have to correct that intersection with this project.

Mr. Swan and the Committee thanked Ms. Wagner for her work with this request and making the State aware of this need.

No action was taken.

7. Highway Division

None

8. Public Comment

Dave Ackmann, N27W22625 Burningwood Lane. He said feels there should be signals at the intersection of Lindsay Road and Redford Blvd (CTH F). He said that though there are no visual impairments, it is hard to get across because it is a boulevard and traffic is getting heavier.

Andy Barnes, N26W22366 Ridgewood Lane. He asked Ms. Wagner if the 27% rate increase included the PFAS removal, and if not, does she feel the rate will go up again in two years when the remediation takes place? She said she couldn't guarantee it, but it is likely to increase.

Mayor Bierce clarified that 27% rate increase is only for the water portion of the bill, not the sewer portion (which is the bigger part of the bill).

9. Adjournment

A motion was made and seconded (D. Swan, M. Kreiter) to adjourn the meeting at 4:55 p.m.

Motion Passed: For-5, Against-0

Respectfully Submitted,

Magdelene Wagner
Director of Public Works

**CITY OF PEWAUKEE
PUBLIC WORKS COMMITTEE AGENDA ITEM 4.1.**

DATE: February 22, 2024

DEPARTMENT: PW - Stormwater

PROVIDED BY: Magdelene Wagner

SUBJECT:

Discussion and possible action regarding the Springdale Estates Drainage project.

BACKGROUND:

The Committee previously approved the revised plans for the Springdale Estates Drainage project. The Common Council subsequently approved the plans as well. As such, Staff has been finalizing the project in preparation for bidding in Spring 2024. The Staff has met with the arborist along the project route again to ensure the trees we are saving is appropriate. In addition, we have met with utilities which are located in the drainage easement to determine any conflicts or utility projects in this section. Finally, residents were notified of these activities and some participated in the walkthrough.

The project will be bid in Spring 2024 for construction in 2024.

FINANCIAL IMPACT:

RECOMMENDED MOTION:

No action needed.

ATTACHMENTS:

Description

Plans

SPRINGDALE ESTATES DRAINAGE IMPROVEMENTS

CITY OF PEWAUKEE
PEWAUKEE, WI
February 10, 2024



PROJECT
SPRINGDALE
ESTATES
DRAINAGE
IMPROVEMENTS

CLIENT
CITY OF PEWAUKEE

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REGISTRATION

ISSUE/REVISION

	12/01/22	50% DRAFT
I/R	DATE	DESCRIPTION

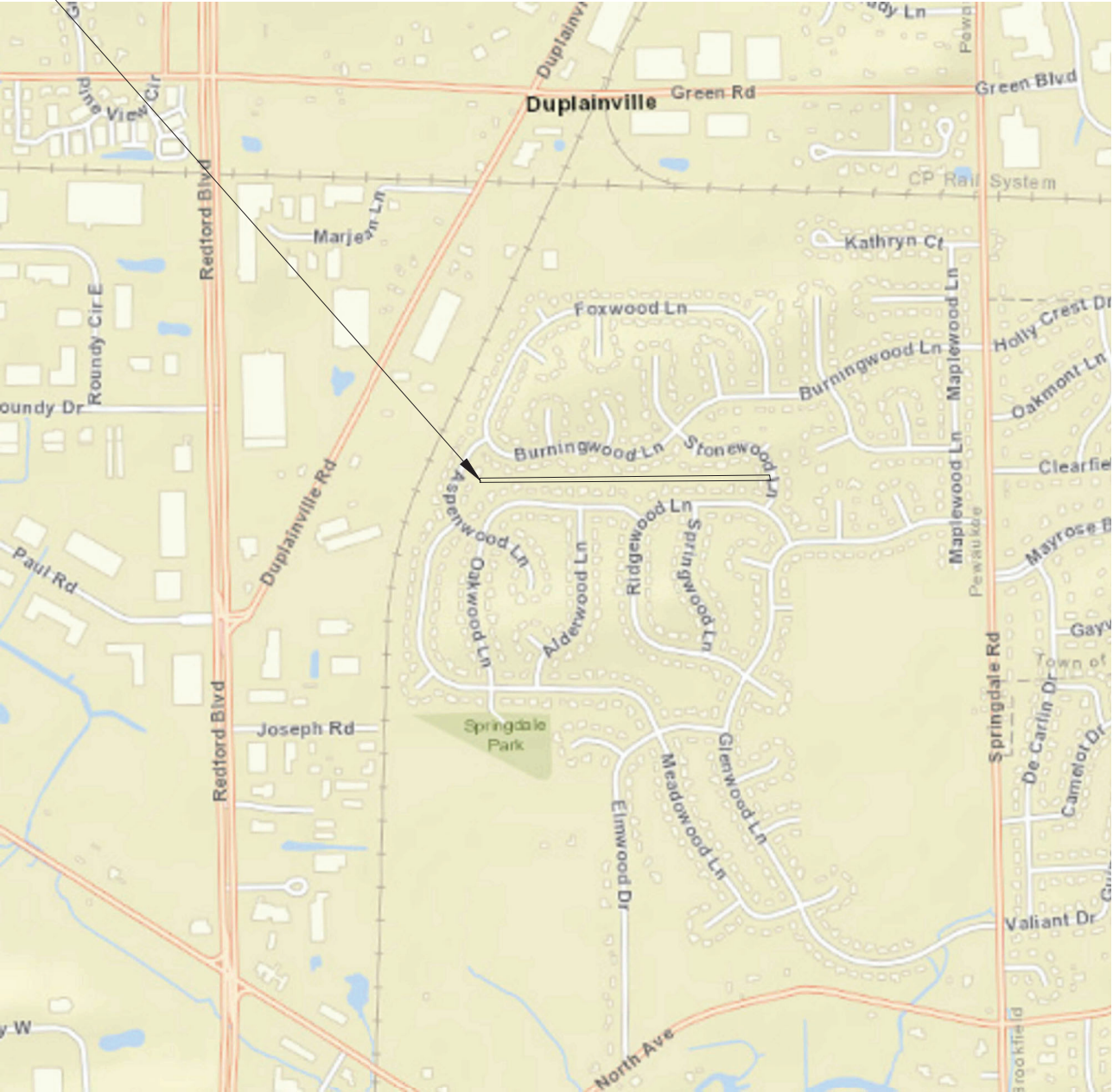
KEY PLAN

PROJECT NUMBER
60339891

SHEET TITLE
COVER SHEET

SHEET NUMBER
1

PROJECT LOCATION



INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	LEGEND AND PROJECT INFORMATION
3	SITE PLAN OVERVIEW
4-5	EROSION CONTROL SHEETS
6-9	PLANS AND PROFILES
10-12	CROSS SECTIONS
13-16	DETAILS

NOTE: MAP NOT TO SCALE

Filename: C:\ONEDRIVE\AECOM\SWM REVIEWS - DOCUMENTS\PEWAUKEE\22.01 SPRINGDALE ESTATES\900_CAD_GIS\910_CAD\913_SHEETS\SPRINGDALE ESTATES LEGEND.DWG Last saved by: KASPRZAKJ Last Plotted: 2024-02-09

UTILITY CONTACTS

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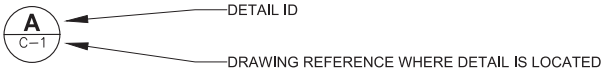
ABBREVIATIONS

B.M.	BENCH MARK
CB	CATCH BASIN
CL	CENTER LINE
C.O.	CLEAN OUT
CONC	CONCRETE
CP	CONTROL POINT
DB	DRAINAGE BASIN
EL	ELEVATION
EX	EXISTING
I.E.	INVERT ELEVATION
L.F.	LINEAL FEET
MH	MANHOLE
PVC	POLYVINYL CHLORIDE PIPE
R	RIM ELEVATION
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT OF WAY
PPOL	POWER POLE
SAN	SANITARY SEWER
SB	SOIL BORING
SS	STORM SEWER
STA	STATION
TEMP	TEMPORARY
TC	TOP OF CURB
UD	UNDERDRAIN
UG	UNDERGROUND
WDNR	WISCONSIN DEPARTMENT OF NATURAL RESOURCES
WISDOT	WISCONSIN DEPARTMENT OF TRANSPORTATION
WM	WATER MAIN

LEGEND

	SANITARY MANHOLE		PROPOSED 1' CONTOUR
	CONCRETE END SECTION		PROPOSED 5' CONTOUR
	HYDRANT		EXISTING 1' CONTOUR
	WATER VALVE		EXISTING 5' CONTOUR
	POWER POLE		SANITARY SEWER LINE
	GUY WIRE		STORM SEWER LINE
	ELECTRIC METER/PEDESTAL		OVERHEAD ELECTRIC LINE
	TELEPHONE PEDESTAL		UNDERGROUND ELECTRIC
	SIGN		UNDERGROUND PHONE
	BIRD HOUSE POST		CENTERLINE ROAD
	PROPOSED STORM MANHOLE		EDGE OF GRAVEL
	FOUND IRON PIPE		CENTERLINE OF DITCH
	FOUND REBAR		TREELINE/BRUSH LINE
	AECOM TRAVERSE POINT		LANDSCAPE AREA
	BUSH		CULVERT LINE
	DECIDUOUS TREE		DATA PRODUCED FROM SUBDIVISION PLAT
	CONIFEROUS TREE		DRAINAGE EASEMENT
	ROCK		LANDSCAPE EASEMENT AND BERM AREA
	EX. STORM SEWER INLET		SANITARY SEWER EASEMENT
	EX STORM SEWER CATCH BASIN		EXISTING CONCRETE FLUME
	EXISTING RUMBLE (BROKEN CONC.)		PROPOSED SEWER CENTERLINE ALIGNMENT
	REMOVE TREE		PROPOSED SMALL DIAMETER STORM SEWER
	TREE PROTECTION FENCE		

DETAIL REFERENCE SYSTEM



PROJECT
SPRINGDALE
ESTATES
DRAINAGE
IMPROVEMENTS

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KEY PLAN

PROJECT NUMBER

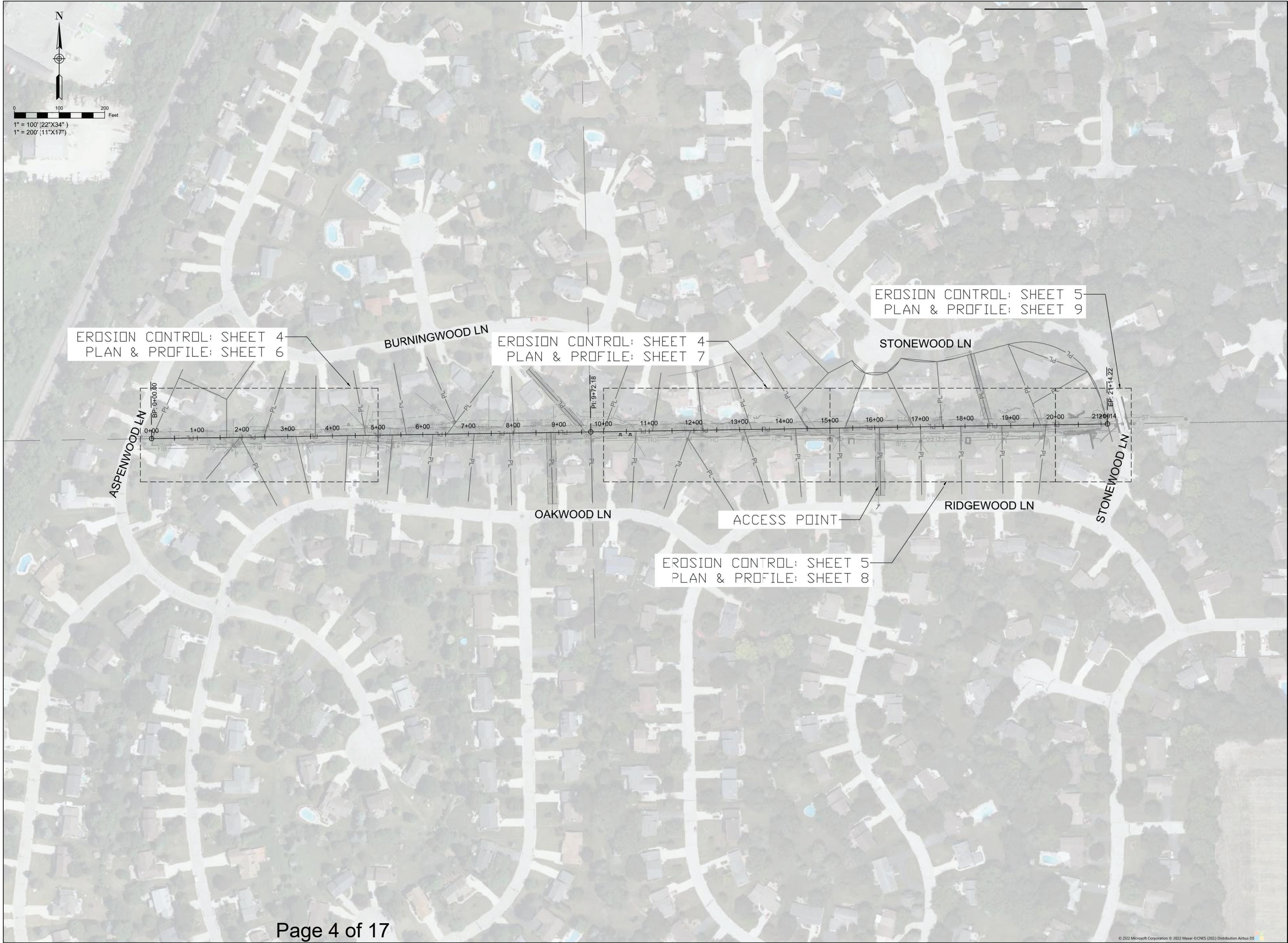
60339891

SHEET TITLE

LEGEND AND PROJECT
INFORMATION

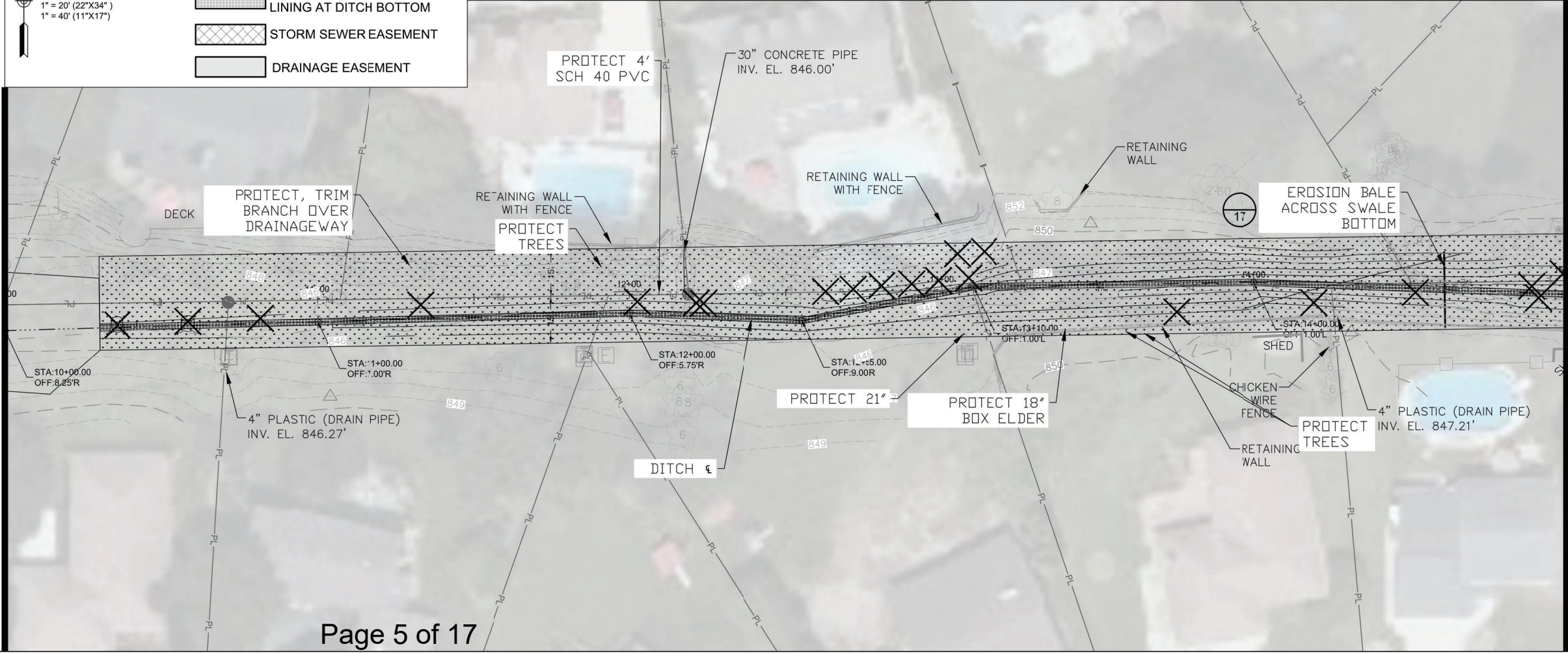
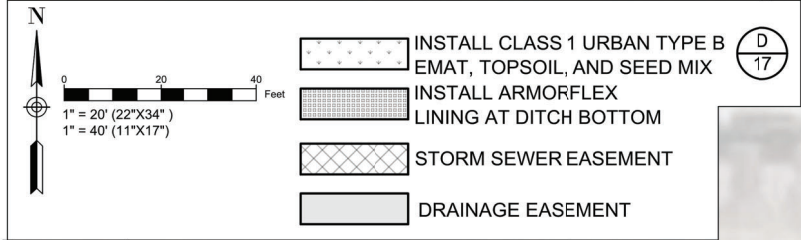
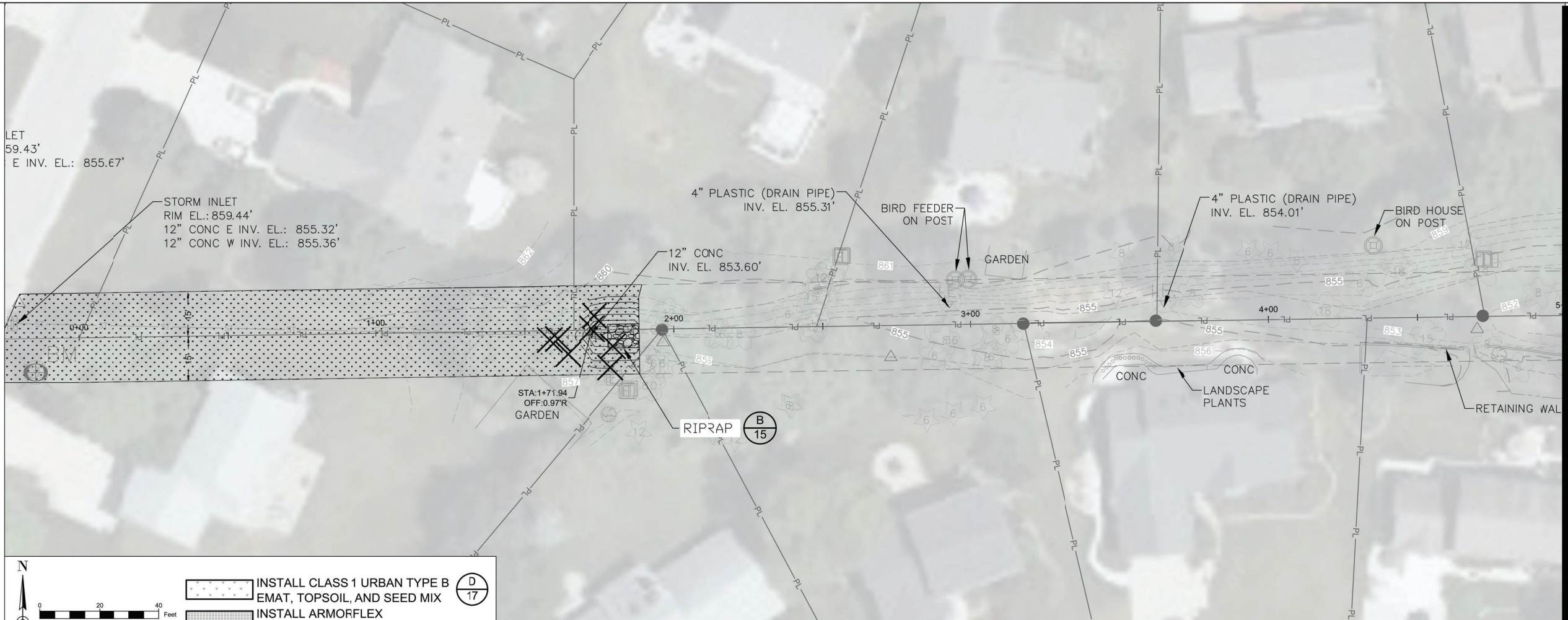
SHEET NUMBER

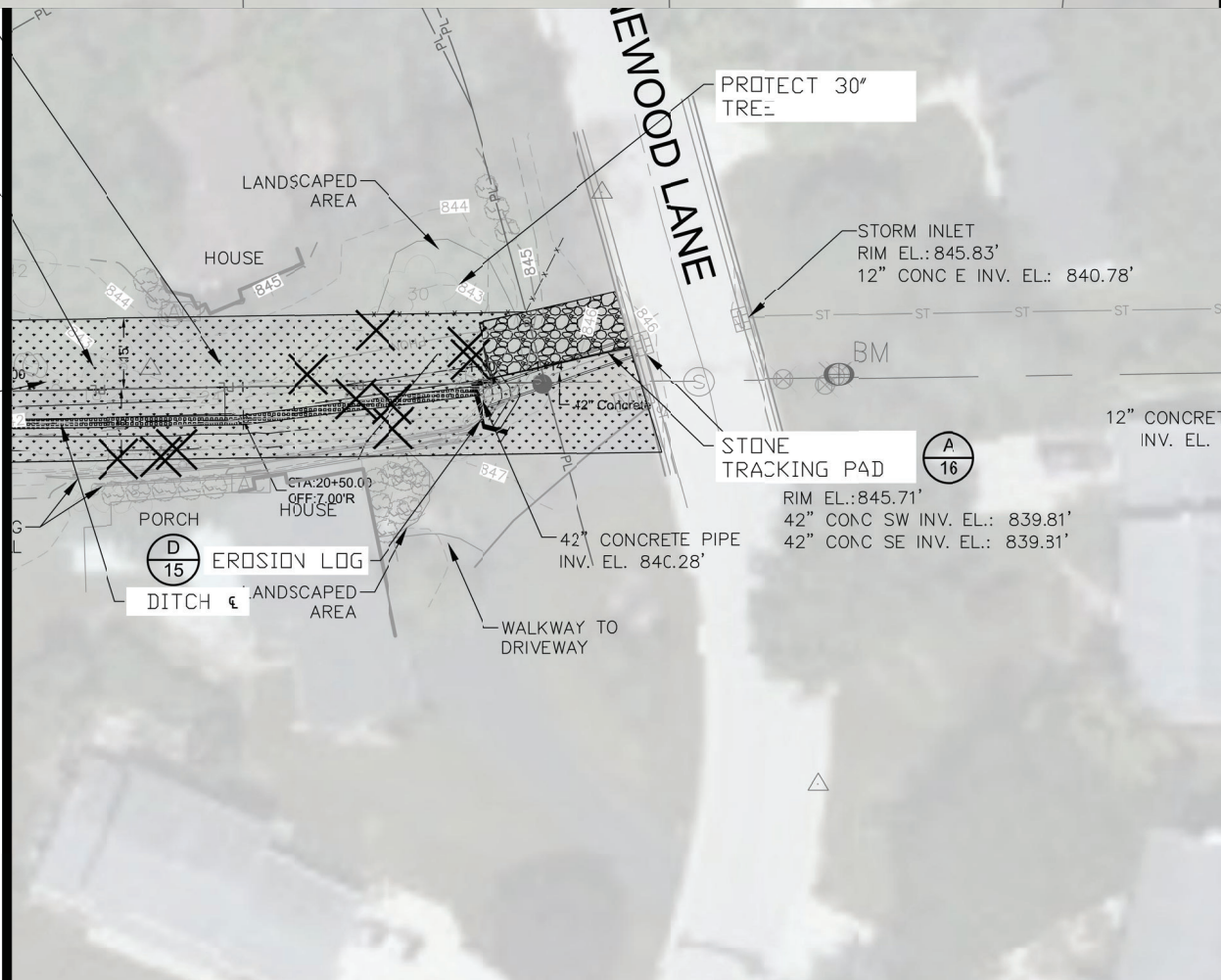
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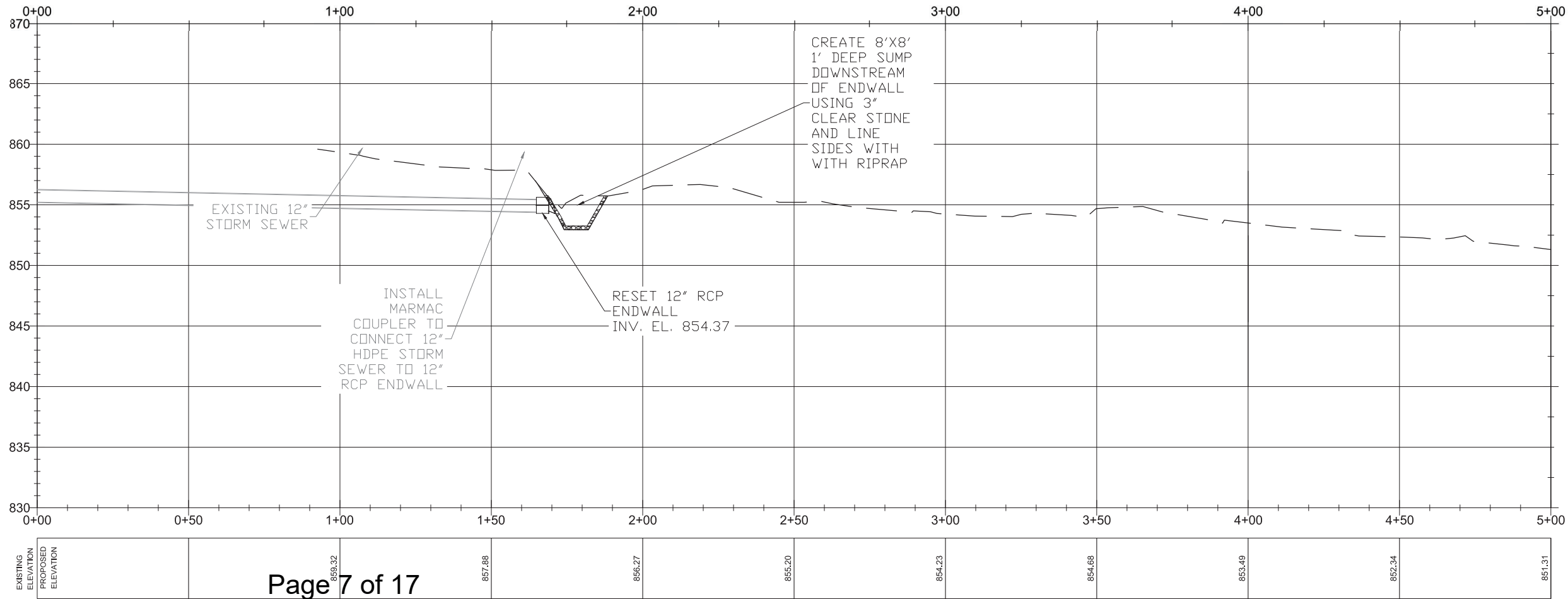
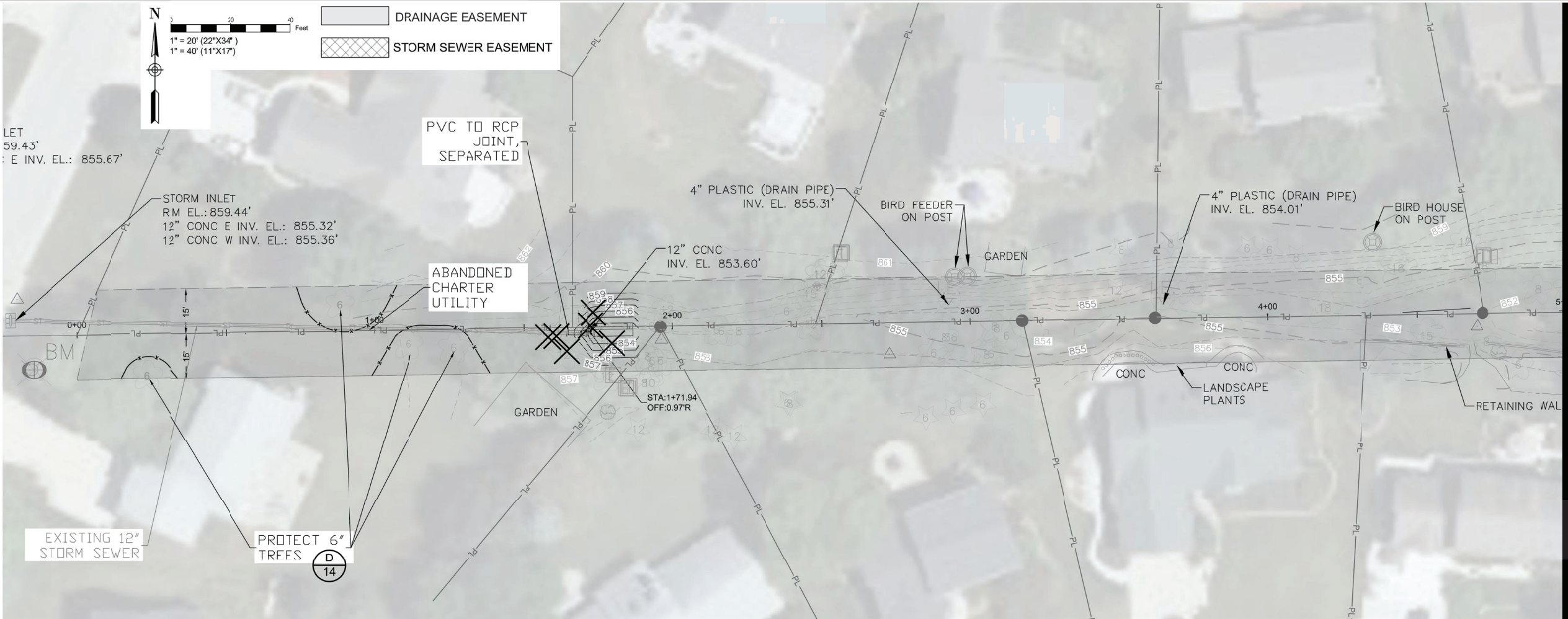
ISSUE/REVISION		
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	12/01/22	50% DRAFT





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PROJECT
SPRINGDALE
ESTATES
DRAINAGE
IMPROVEMENTS

CLIENT
CITY OF PEWAUKEE

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REGISTRATION

ISSUE/REVISION

I/R	DATE	DESCRIPTION
	12/01/22	50% DRAFT

KEY PLAN

PROJECT NUMBER

60339891

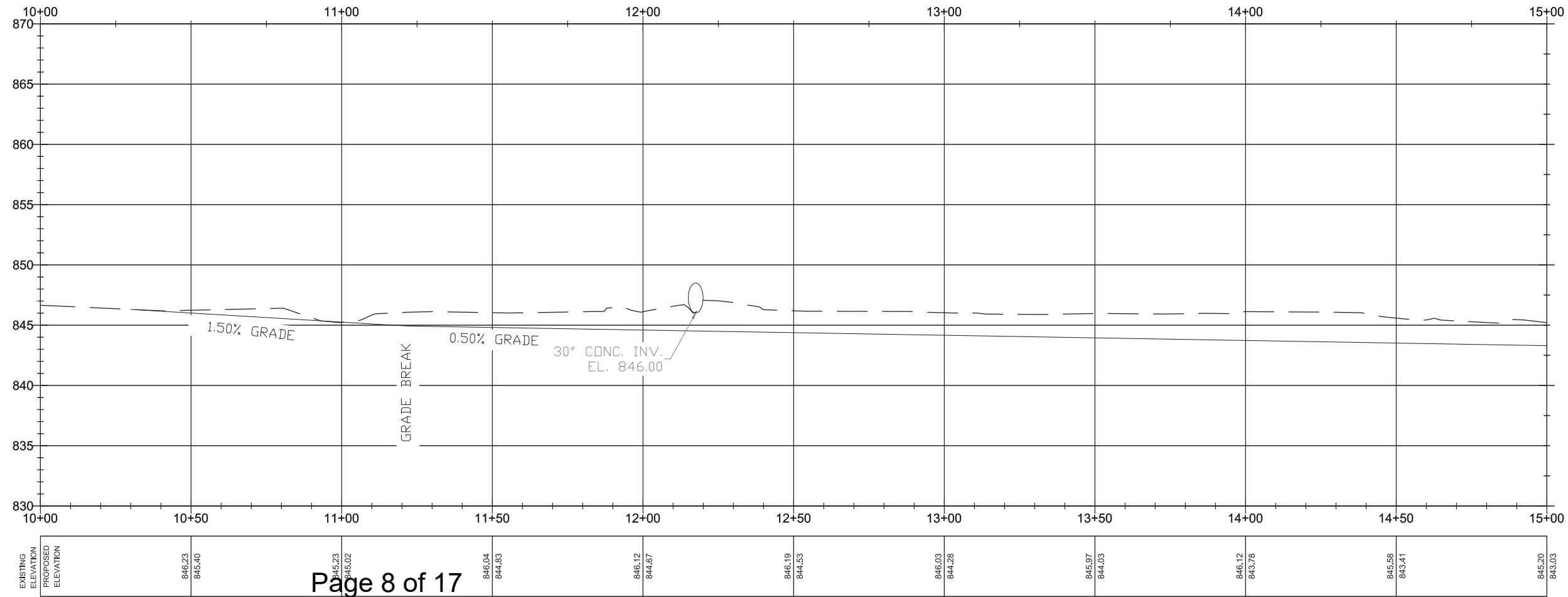
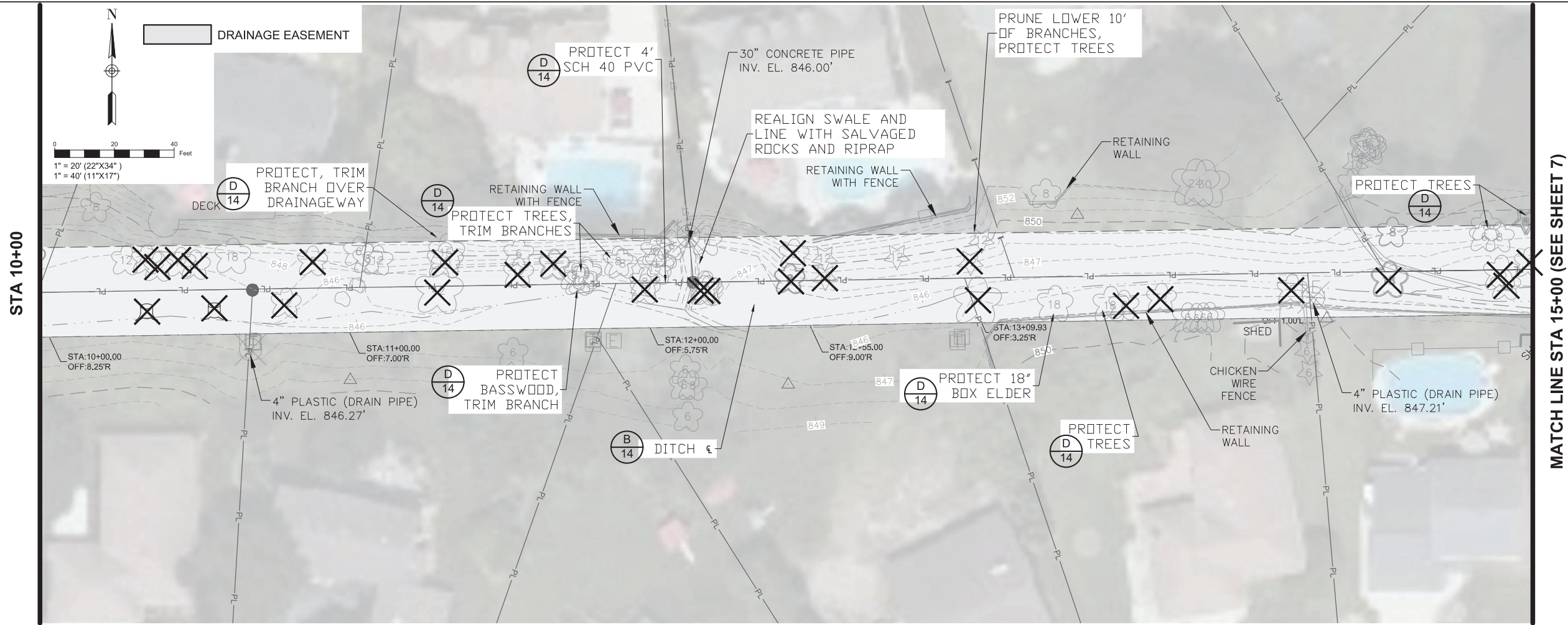
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PROPOSED CONDITIONS

SHEET NUMBER

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PROJECT
SPRINGDALE ESTATES DRAINAGE IMPROVEMENTS

CLIENT
CITY OF PEWAUKEE

W240 N3065 PEWAUKEE ROAD
PEWAUKEE, WI 53072
TELE: 262-691-0770

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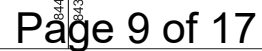
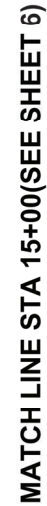
60339891

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SHEET NUMBER

7



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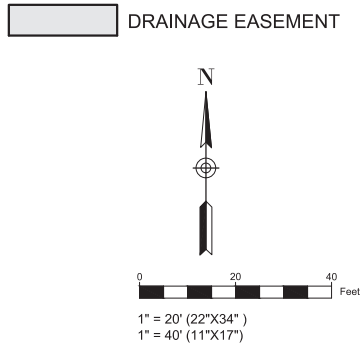
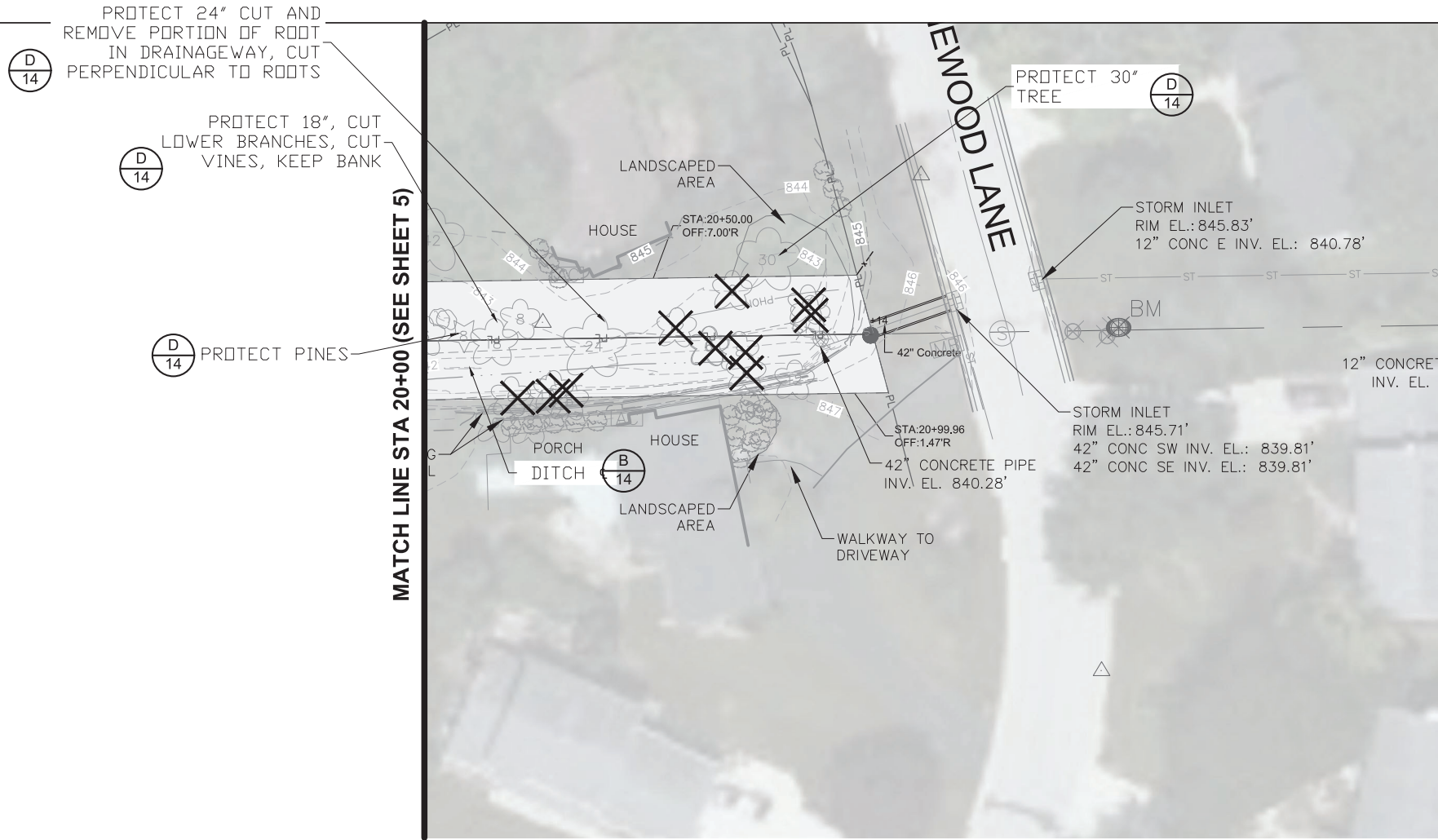
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SHEET NUMBER

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PROJECT
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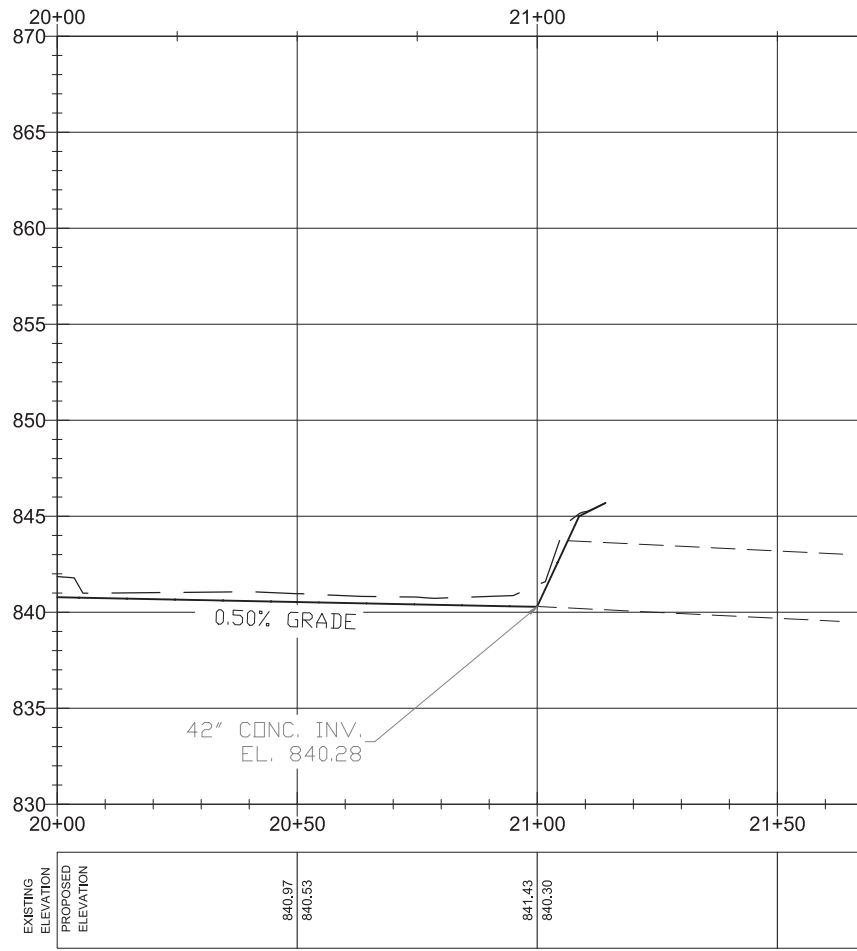
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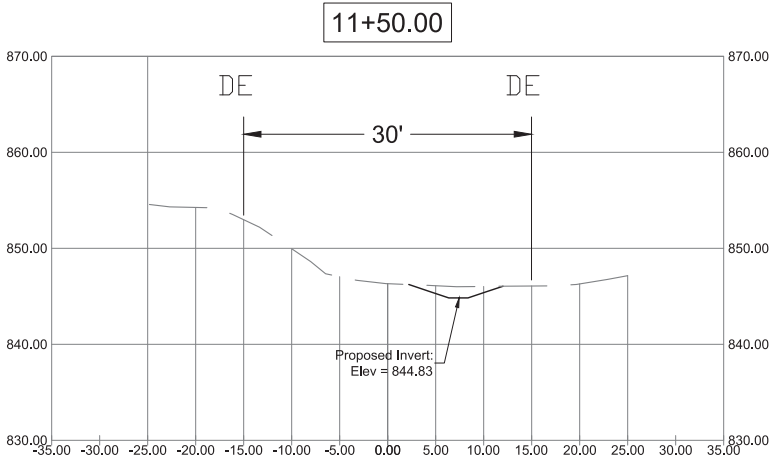
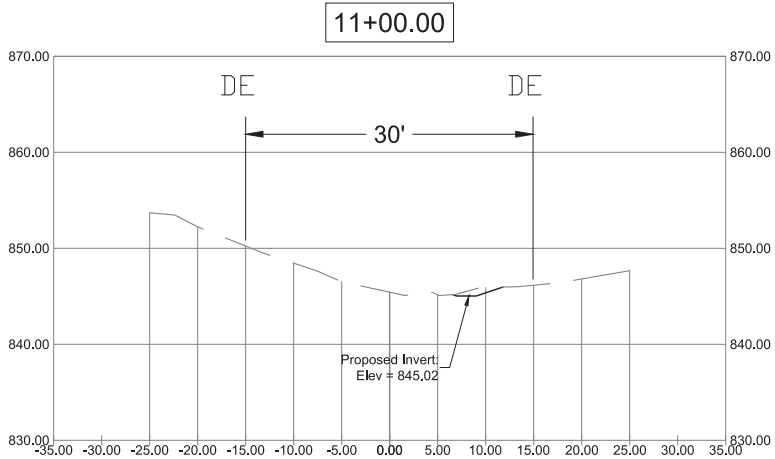
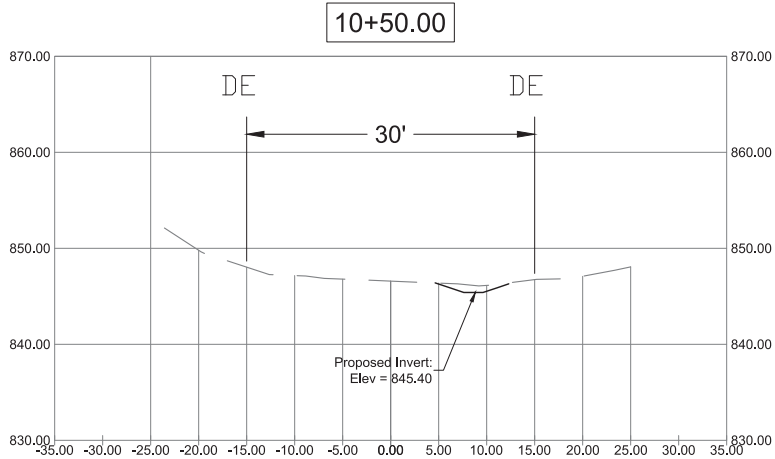
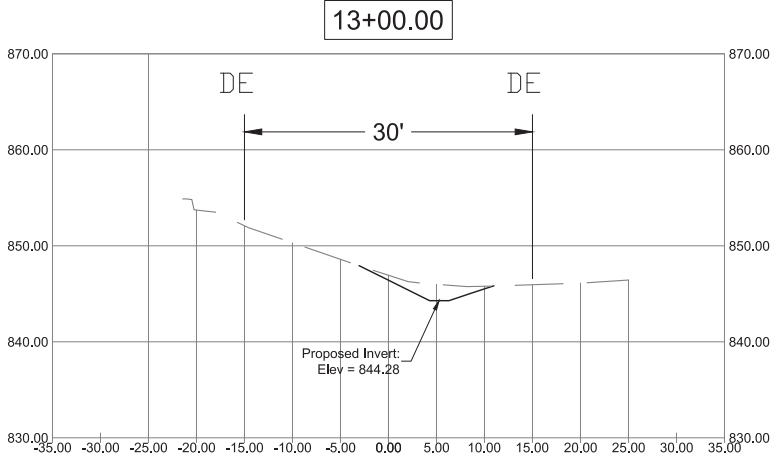
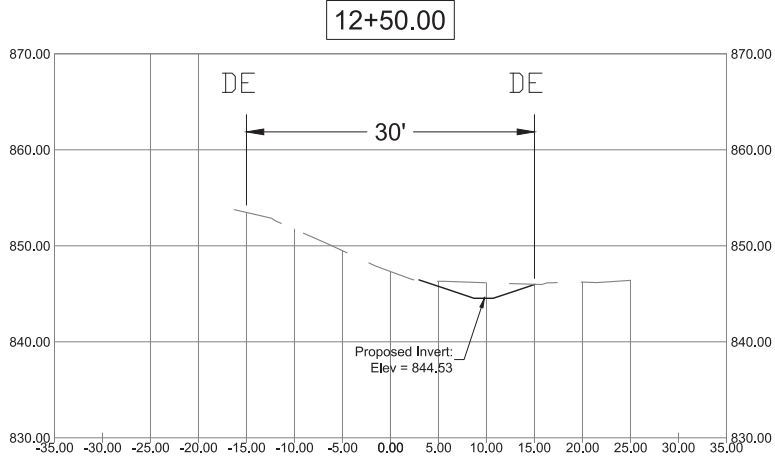
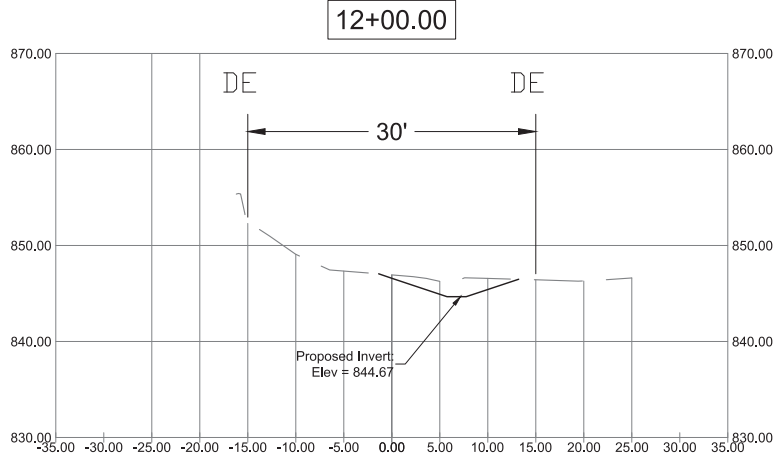
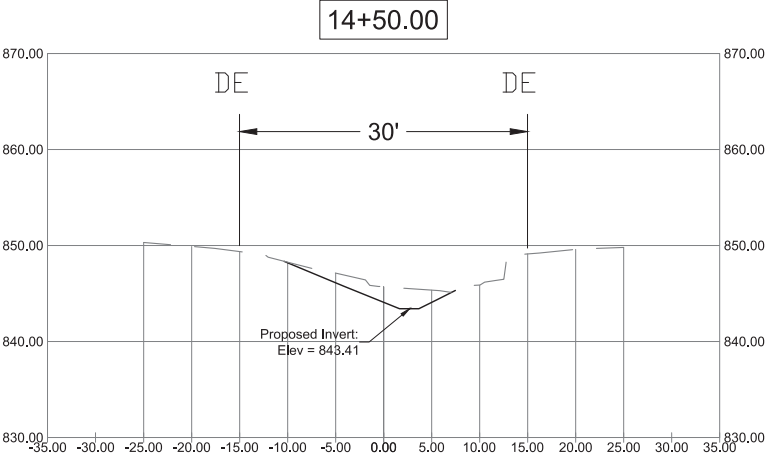
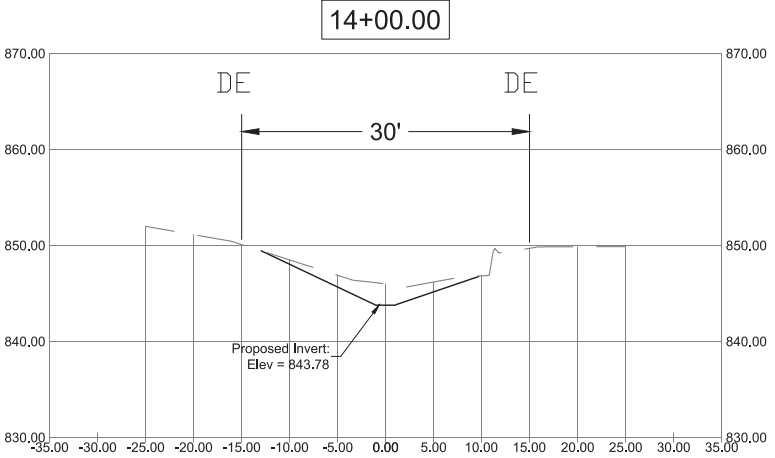
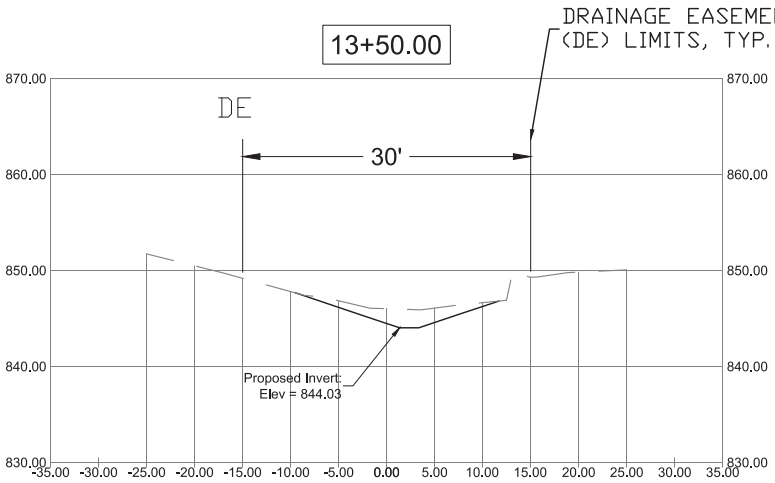
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SHEET NUMBER
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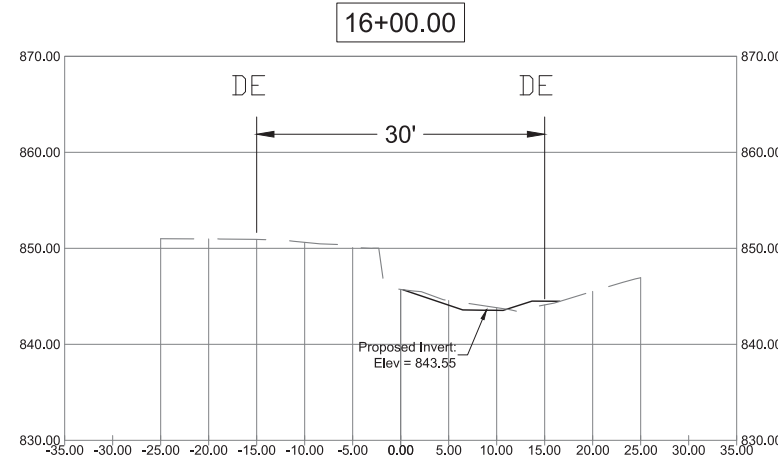
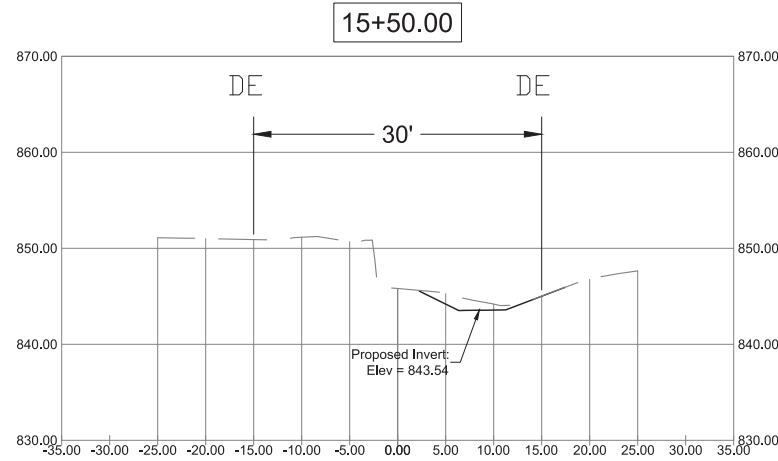
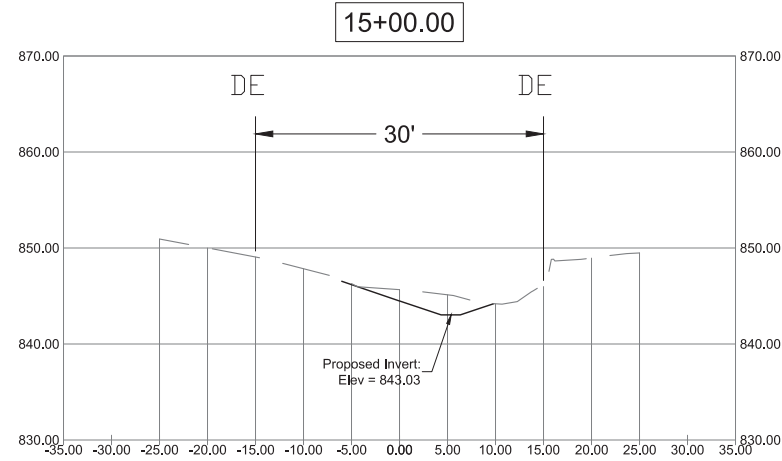
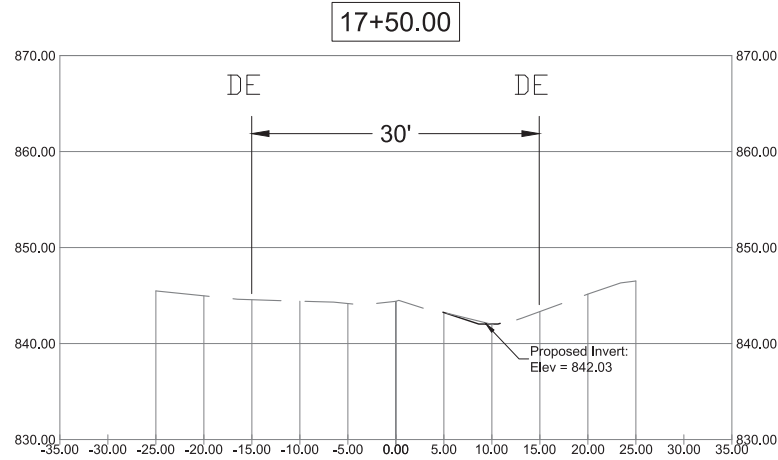
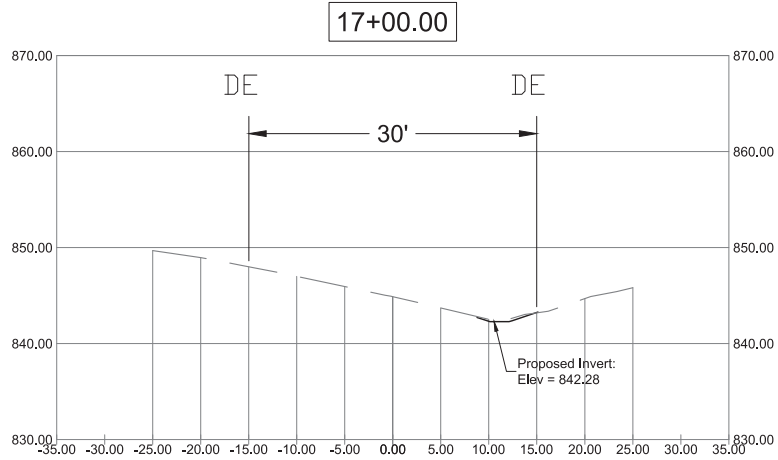
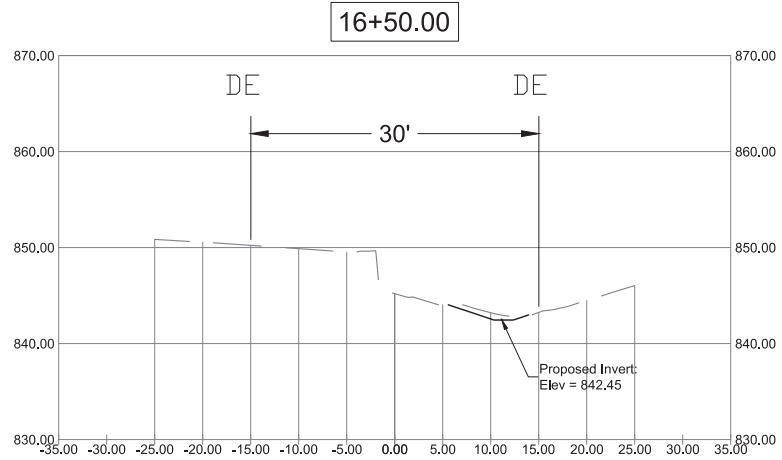
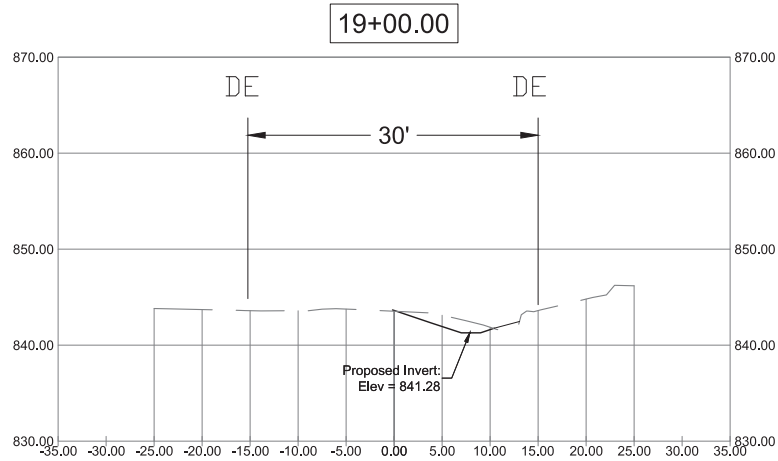
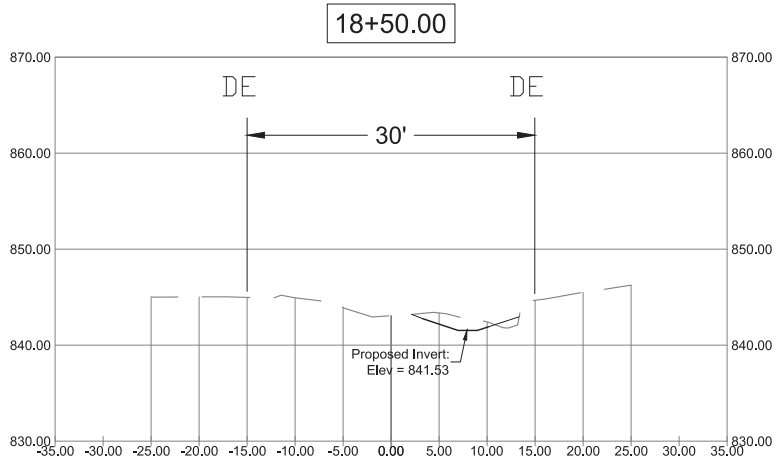
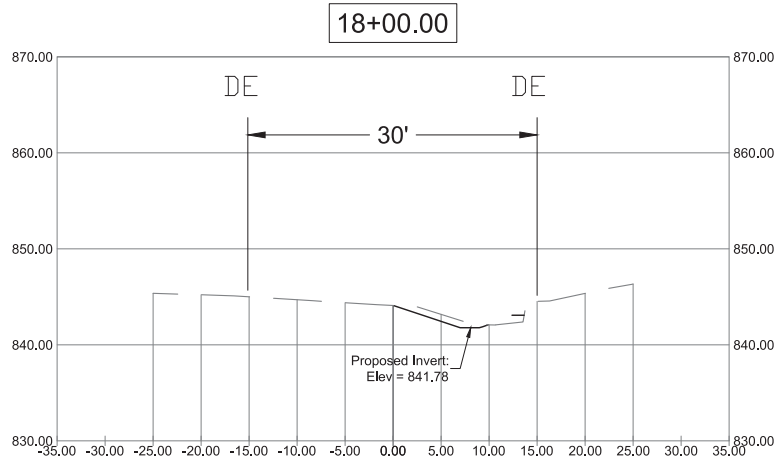
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CROSS SECTIONS

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SHEET NUMBER

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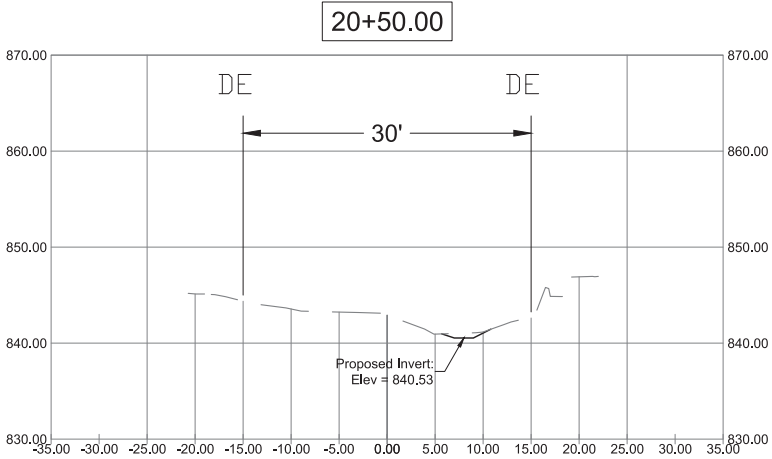
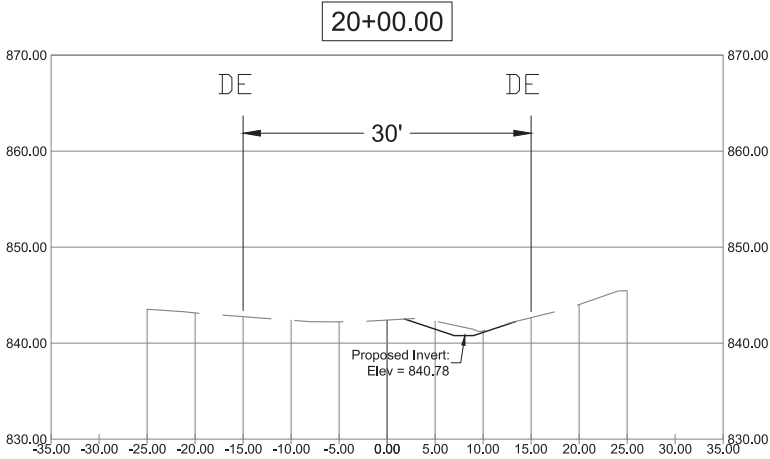
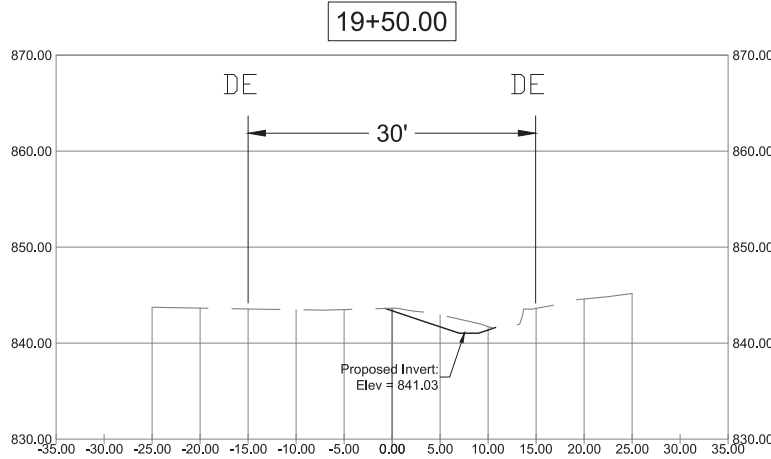
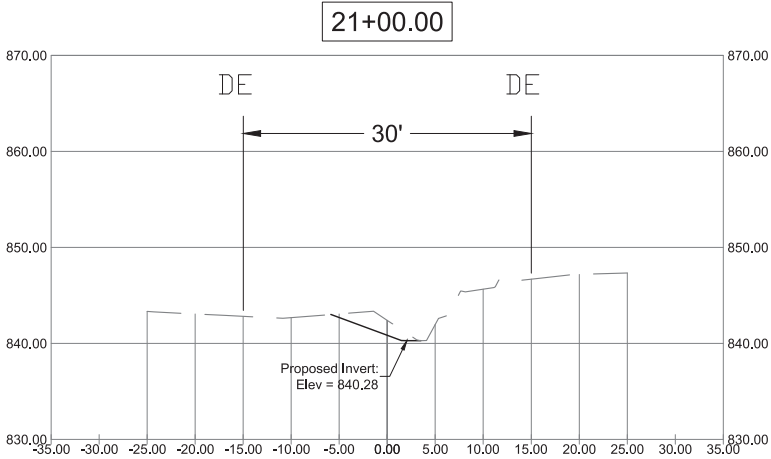
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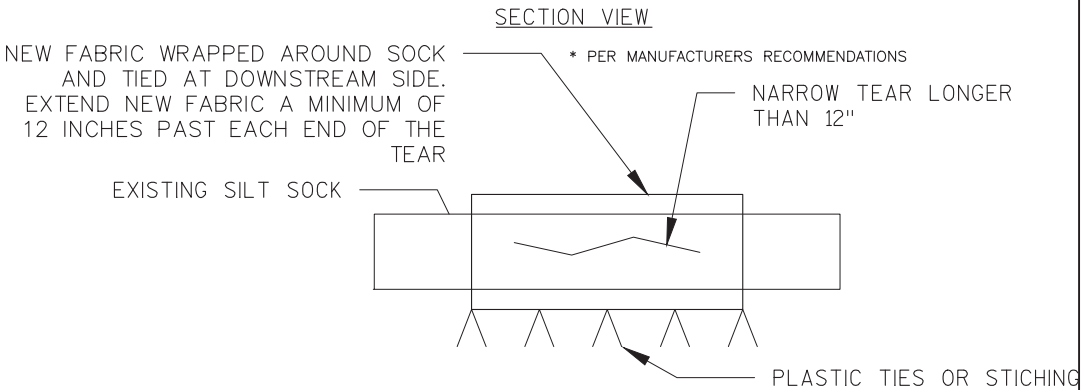
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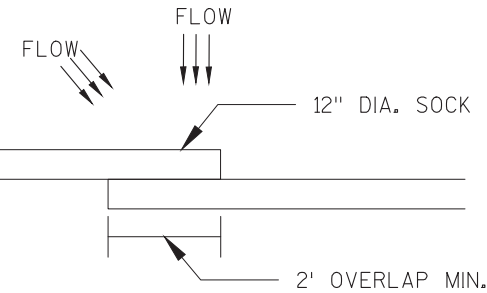
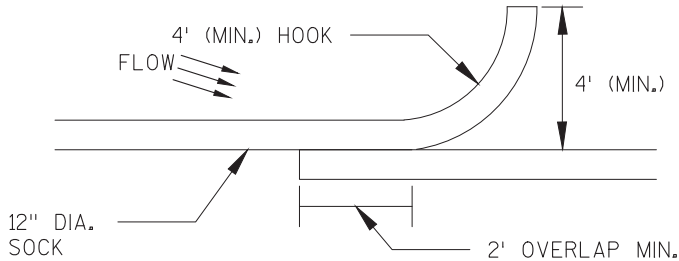
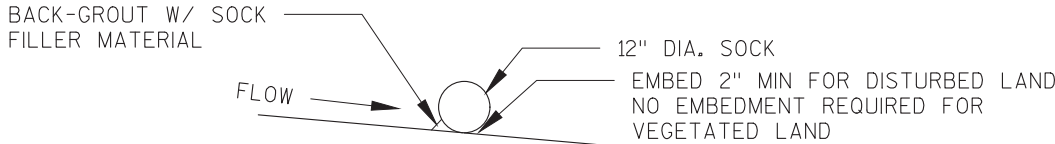
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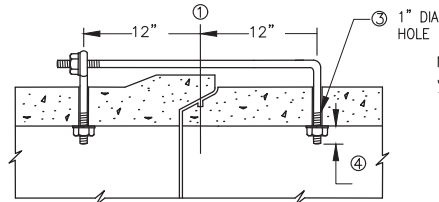


REPAIR DETAIL - TEAR GREATER THAN 12 INCHES

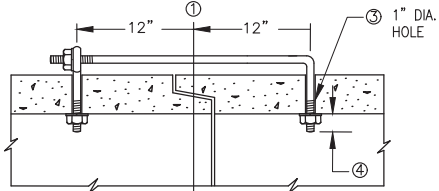


- NOTES:
- LOG MATERIAL PER WISDOT EROSION CONTROL PRODUCT ACCEPTABILITY LIST, TEMPORARY DITCH CHECKS. LOG FILLER TO BE COMPOST OR WOOD CHIPS (2" MAX.) MEETING WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS #1071.
 - WHEN LOG IS USED ON A PAVED SURFACE CONCRETE BLOCKS SHALL BE USED TO SECURE LOG IN PLACE
 - ACCUMULATED SEDIMENT SHALL BE REMOVED FROM BEHIND LOG WHEN IT HAS REACHED A HEIGHT EQUAL TO HALF OF THE LOG HEIGHT.
 - SMALL HOLES OR RIPS LESS THAN 12" LONG MAY BE STITCHED CLOSED USING PLASTIC ZIP TIES. LARGER RIPS SHALL BE FIXED PER THE REPAIR DETAIL. HEAVILY DAMAGED SECTIONS SHALL BE REPLACED ENTIRELY. MAINTAIN A 2' MINIMUM OVERLAP AT EACH END.
 - INSTALL LOG SIZE THAT IS IDENTIFIED IN THE PROJECT SPECIFICATIONS.

D 15 EROSION LOG INSTALLATION DETAIL NOT TO SCALE



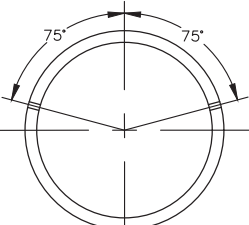
(MODIFIED BELL PIPE) LONGITUDINAL SECTION



(TONGUE & GROOVE PIPE)

EYE BOLT DIMENSION TABLE

PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
12" TO 15"	3 3/4"	5 3/4"
18" TO 24"	4 1/2"	6 1/4"
36"	5 1/2"	7"
48"	6 1/2"	*
54"	*	*
60"	*	*



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION

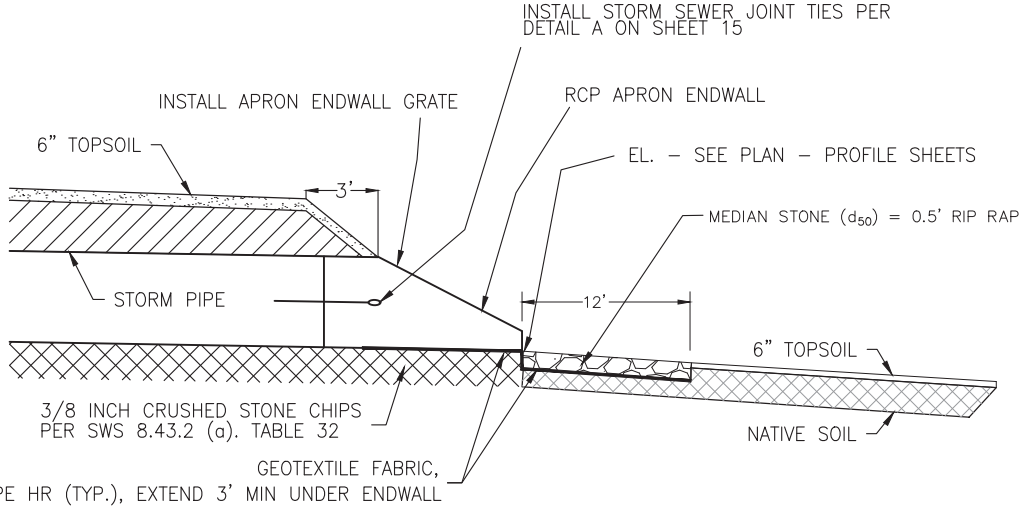
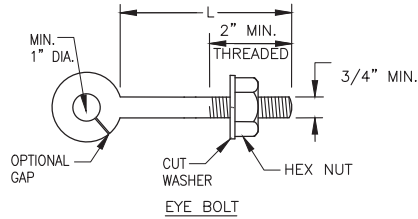
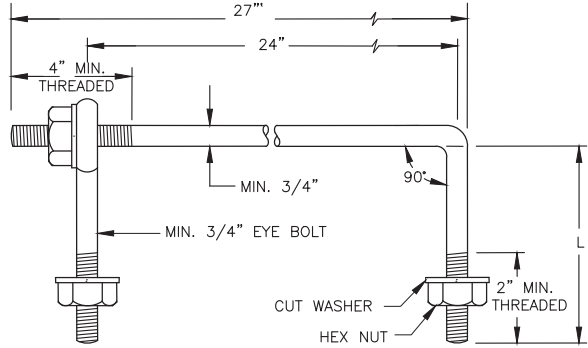
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.

EYE BOLT AND TIE ROD

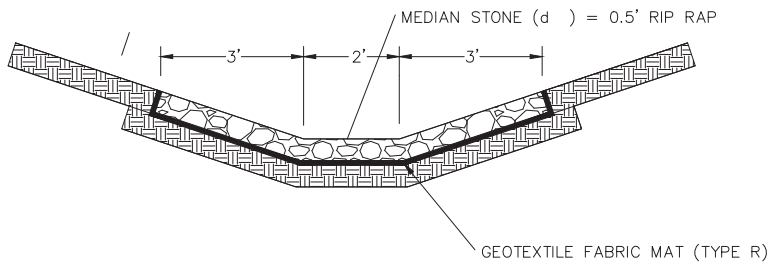
UNLESS OTHERWISE STATED IN THE CONTRACT, THE MATERIALS, FABRICATIONS AND WORK NECESSARY TO TIE REINFORCED CONCRETE PIPE WILL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF WORK.

- Q OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.
- HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12" FROM C OF TONGUE AND GROOVE.
- BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2".

A 15 JOINT TIE DETAIL NOT TO SCALE



C 15 APRON ENDWALL DETAIL NOT TO SCALE



B 15 RIPRAP DETAIL NOT TO SCALE

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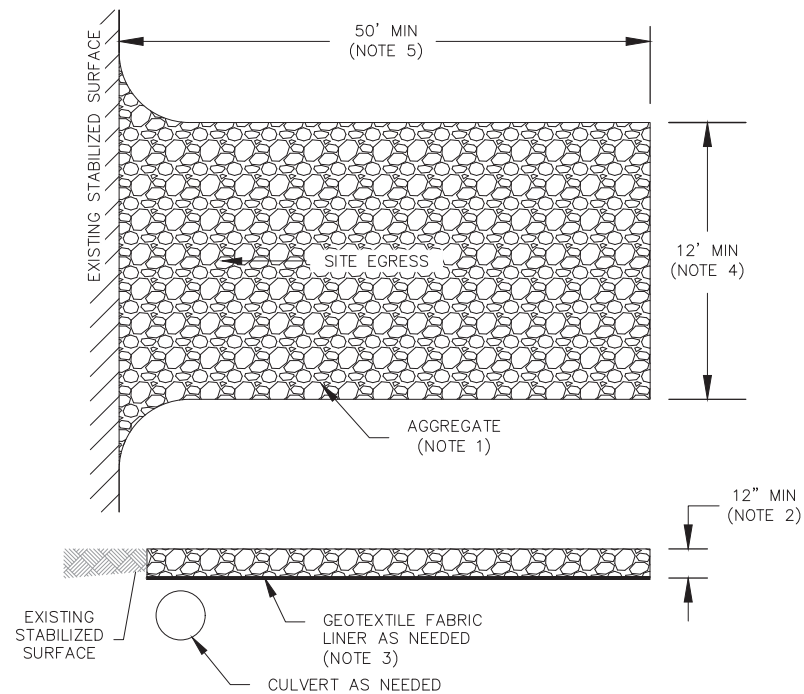
60339891

SHEET TITLE

DETAILS SHEET

SHEET NUMBER

14



NOTE:

1. USE HARD, DURABLE, ANGULAR STONE OR RECYCLED CONCRETE MEETING THE GRADATION IN TABLE 1 OF WDNr TECHNICAL STANDARD 1057.
2. SLOPE THE STONE TRACKING PAD IN A MANNER TO DIRECT RUNOFF TO AN APPROVED TREATMENT PRACTICE.
3. SELECT FABRIC TYPE BASED ON SOIL CONDITIONS AND VEHICLES LOADING.
4. INSTALL TRACKING PAD ACROSS FULL WIDTH OF THE ACCESS POINT, OR RESTRICT EXISTING TRAFFIC TO A DEDICATED EGRESS LANE AT LEAST 12 FEET WIDE ACROSS THE TOP OF THE PAD.
5. IF A 50' PAD LENGTH IS NOT POSSIBLE DUE TO SITE SITE GEOMETRY, INSTALL THE MAXIMUM LENGTH PRACTICABLE AND SUPPLEMENT WITH ADDITIONAL PRACTICES AS NEEDED.
6. IN LIEU OF A STONE TRACKING PAD, CONTRACTOR MAY UTILIZE OTHER TRACK OUT CONTROL PRACTICES IN ACCORDANCE WITH THE WDNr TECHNICAL STANDARD 1057.



GRADING AND EROSION CONTROL NOTES

1. CONTRACTOR SHALL POST WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) PERMIT ON SITE. CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE CITY OF PEWAUKEE AND WDNR PERMIT REQUIREMENTS. SEE DETAILS FOR MINIMUM EROSION CONTROL MEASURES AND REFERENCES TO APPLICABLE WDNR TECHNICAL STANDARDS. CONTRACTOR SHALL DOWNLOAD APPLICABLE TECHNICAL STANDARDS FROM <https://dnr.wisconsin.gov/topic/Stormwater/standards> AND THE WISCONSIN CONSTRUCTION SITE EROSION CONTROL FIELD GUIDE FROM <https://dnr.wi.gov/topic/stormWater/documents/WlconstECfieldGuide.pdf> AND KEEP AVAILABLE ON THE JOB SITE UNTIL FINAL STABILIZATION.
2. FOLLOW CONSTRUCTION SEQUENCE NOTED ON THIS PAGE UNLESS OTHERWISE DIRECTED IN THE FIELD BY THE OWNER, OWNER'S REPRESENTATIVE OR WDNR REPRESENTATIVES.
3. CONTRACTOR IS REQUIRED TO CONDUCT AND RECORD A MINIMUM OF WEEKLY EROSION CONTROL INSPECTIONS AND WITHIN 24 HOURS OF RAINFALLS OVER 0.5 INCHES. ALL MAINTENANCE SHALL BE CONDUCTED WITHIN 24 HOURS. RECORDS OF INSPECTIONS AND MAINTENANCE SHALL BE KEPT ON SITE AND MADE AVAILABLE UPON REQUEST.
4. EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THIS PROJECT. EROSION CONTROL MEASURES SHOWN ARE THE MINIMUM PRECAUTIONS REQUIRED. ADDITIONAL MEASURES, AS REQUESTED BY OWNER, OWNER'S REPRESENTATIVE AND/OR WDNR REPRESENTATIVES SHALL BE INSTALLED/REPAIRED WITHIN 24 HOURS.
5. INSTALL TRACKOUT CONTROL PER WDNR TRACKOUT CONTROL PRACTICES #1057 AND PERIMETER CONTROLS PRIOR TO ANY LAND-DISTURBING ACTIVITIES. CONTRACTOR SHALL REMOVE ANY SEDIMENT TRACKED ONTO ADJACENT ROADS BY MEANS OF CONTAINED STREET SWEEPING (NOT BROOMING OR FLUSHING) AT A MINIMUM OF THE END OF EACH WORK DAY OR MORE AS NEEDED.
6. LOCATION(S) OF SOIL STOCKPILES, INCLUDING TOPSOIL, STORED ON SITE SHALL BE SUBJECT TO APPROVAL OF OWNER. SILT FENCE SHALL BE PLACED ON THE DOWNSTREAM SIDES OF THE STOCKPILE. SOIL STOCKPILES STORED FOR MORE THAN 7 CONSECUTIVE DAYS SHALL BE TEMPORARILY STABILIZED (E.G. TEMPORARY SEEDING, MULCHING, TARPING, EROSION MATTING, ETC).
7. DEWATERING – FOLLOW WDNR TECHNICAL STANDARD DEWATERING #1061 AND THE CITY OF PEWAUKEE TECHNICAL STANDARDS. NOTIFY WDNR IF DEWATERING IS SCHEDULED TO OCCUR IN AREAS OF SOIL AND/OR GROUNDWATER CONTAMINATION, OR IF DEWATERING WILL OCCUR FROM A HIGH CAPACITY WELL (70 GPM OR MORE). DEWATER ONLY AFTER THE APPROPRIATE WDNR DEWATERING DISCHARGE PERMIT HAS BEEN APPROVED. PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. ALL PUMPED EFFLUENT FROM DEWATERING OPERATIONS (TRENCH DEWATERING OR OTHERWISE) SHALL BE DISCHARGED TO A GEOTEXTILE FILTER BAG. THE GEOTEXTILE BAG SHALL BE PLACED ON VEGETATED/STABILIZED GROUND AND DISCHARGE TO A SEDIMENT BASIN OR TRAP. SHOULD NO BASIN EXIST, THE GEOTEXTILE BAG SHALL BE PLACED ON TYPE R GEOTEXTILE FABRIC AND SURROUNDED BY A SEDIMENT BALE BARRIER CONFORMING TO WDNR TECHNICAL STANDARD SEDIMENT BALE BARRIER #1055. THE TYPE R GEOTEXTILE FABRIC SHALL BE BROUGHT UP THE SIDES AND OVER THE TOP OF THE SEDIMENT BALES AND SECURED. DISCHARGE SHALL NOT BE ALLOWED TO FLOW OVER UNPROTECTED GROUND. IN NO CASE SHALL PUMPED WATER BE DIVERTED OUTSIDE THE PROJECT LIMITS PRIOR TO SEDIMENT REMOVAL.
8. SEED, FERTILIZER, AND EROSION MAT SHALL BE APPLIED WITHIN 7 DAYS AFTER FINAL GRADE HAS BEEN ESTABLISHED. IF DISTURBED AREAS LEFT INACTIVE FOR 14 DAYS SHALL BE STABILIZED WITH TEMPORARY SEED AND MULCH.
9. NON-CHANNELIZED DISTURBED LAND AREAS: PROVIDE CLASS I, URBAN, TYPE B EROSION CONTROL MATTING AND INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1052 IMMEDIATELY FOLLOWING FINAL GRADING, PREPARATION, AND SEEDING.
10. CHANNELIZED DISTURBED LAND AREAS: PROVIDE CLASS I, URBAN, TYPE B OR CLASS II, TYPE C EROSION CONTROL MATTING AS SHOWN ON THE PLANS OR DIRECTED IN THE FIELD AND INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053 IMMEDIATELY FOLLOWING FINAL GRADING, PREPARATION, AND SEEDING.
11. DUST CONTROL: FOLLOW WDNR TECHNICAL STANDARD DUST CONTROL #1068 TO MINIMIZE EXCESSIVE DUST BY SPRINKLING WATER, APPLYING TACKIFIERS, OR APPLYING SOIL STABILIZERS AS NECESSARY.

CONSTRUCTION SEQUENCE:

1. INSTALL TREE PROTECTION
2. INSTALL EROSION CONTROL AND TRACK OUT PRACTICES
3. REMOVE TREES, SHRUBS, AND STUMPS
4. REMOVE AND REPLACE 12" CONCRETE END SECTION NEAR STATION 1+72
5. GRADE BOTTOM OF DITCH AND INSTALL CULVERTS. RESET AND REPAIR STORM SEWER ENDWALLS AS NOTED IN THE PLANS
6. RESTORE DISTURBED AREAS AND CHANNEL INVERT AS NOTED IN THE PLANS
7. ONCE SEED IS ESTABLISHED, REMOVE EROSION CONTROL

SEEDING SPECIFICATIONS:

TEMPORARY:

1. USE ANNUAL OATS AT 3.0 LB/1,000 SF FOR SPRING AND SUMMER SEEDING.
2. USE WINTER WHEAT OR WINTER RYE AT 3.0 LB/1,000 SF FOR FALL SEEDING AFTER SEPTEMBER 15.

PERMANENT:

1. TURF GRASS SEED MIX: USE REINDERS INC DELUXE 50 SEED MIX AT 125 LB/ACRE

FERTILIZING SPECIFICATIONS:

1. TYPE A MEETING REQUIREMENTS OF SECTION 629 – FERTILIZER OF "STATE SPECIFICATIONS."

TEMPORARY AND PERMANENT:

1. USE WISDOT "SOWING METHOD" TYPE A OR B AT 5.5 LB/1,000 SF

AECOM

PROJECT

SPRINGDALE ESTATES DRAINAGE IMPROVEMENTS

CLIENT

CITY OF PEWAUKEE

W240 N3065 PEWAUKEE ROAD
PEWAUKEE, WI 53072
TELE: 262-691-0770

CONSULTANT

AECOM
1555 NORTH RIVERCENTER DRIVE
SUITE 214
MILWAUKEE, WI 53212
414.944.6080 tel 414.944.6081 fax
www.aecom.com

REGISTRATION

ISSUE/REVISION

	12/01/22	50% DRAFT
I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER

60339891

SHEET TITLE

DETAILS SHEET

SHEET NUMBER

15



PROPERTY	TEST METHOD	TYPE I VALUE	TYPE II VALUE
MAXIMUM APPARENT OPENING SIZE	ASTM D-4751	0.212 MM	0.212 MM
GRID TENSILE STRENGTH	ASTMD-4632	300 LBS.	300 LBS.
MULLEN BURNT	ASTM D-3766	350 PSI	350 PSI
PERMEABILITY	ASTM D-4481	0.28 CM/SEC	0.2 CM/SEC
FABRIC	NOMINAL REPRESENTATIVE WEIGHT	8 OZ.	12 OZ.

1. ALL PUMPED EFFLUENT FROM DEWATERING OPERATIONS (TRENCH OR OTHERWISE) SHALL BE DISCHARGED TO A GEOTEXTILE FILTER BAG CONFORMING TO WDNR CONSERVATION PRACTICE STANDARD 1061.
2. THE GEOTEXTILE FILTER BAG SHALL BE PLACED ON VEGETATED/STABILIZED GROUND AND DISCHARGED TO A SEDIMENT BASIN OR TRAP. SHOULD NO BASIN EXIST, THE GEOTEXTILE BAG SHALL BE PLACED ON FILTER FABRIC AND SURROUNDED BY A SEDIMENT BALE BARRIER CONFORMING TO CONSERVATION PRACTICE STANDARD 1055. THE FILTER FABRIC SHALL BE BROUGHT UP THE SIDES AND OVER THE TOP OF THE HAY BALES AND SECURED.
3. DISCHARGE SHALL NOT BE ALLOWED TO FLOW OVER UNPROTECTED GROUND.
4. IN NO CASE SHALL PUMPED WATER BE DIVERTED OUTSIDE THE PROJECT LIMITS PRIOR TO SEDIMENT REMOVAL.
5. CLAMP PUMP DISCHARGE HOSE SECURELY INTO FILTER BAG
6. LIMIT PUMPING RATE TO ½ THE MANUFACTURES MAXIMUM PUMPING RATE.
7. WHEN SEDIMENTS FILL ½ THE VOLUME OF THE FILTER BAG, IMMEDIATELY REMOVE THAT BAG FROM SERVICE, PROPERLY DISPOSE OF SPENT BAGS WITH THEIR SEDIMENTS.

Page 17 of 17



**CITY OF PEWAUKEE
PUBLIC WORKS COMMITTEE AGENDA ITEM 5.1.**

DATE: February 22, 2024

DEPARTMENT: PW - Water/Sewer

PROVIDED BY: Jane Mueller

SUBJECT:

Discussion and possible action regarding Public Service Commission to reclassify the City of Pewaukee Water Utility from Class C to Class AB.

BACKGROUND:

The Public Service Commission has reclassified the City of Pewaukee to an AB Utility. Utility classification is assigned based on the customer count. Pewaukee is now beyond the 4,000 customer threshold.

FINANCIAL IMPACT:

RECOMMENDED MOTION:

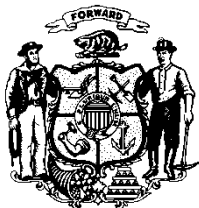
ATTACHMENTS:

Description

Reclassification Notice-AB

AB extension request

Extension Response (PSC REF #467401)



Public Service Commission of Wisconsin

Rebecca Cameron Valcq, Chairperson
Ellen Nowak, Commissioner
Tyler Huebner, Commissioner

4822 Madison Yards Way
P.O. Box 7854
Madison, WI 53707-7854

Public Service Commission of Wisconsin
RECEIVED: 11/8/2022 12:15:01 PM

November 8, 2022

Ms. Jane Mueller, Utility Manager
City of Pewaukee Water Utility
W240 N3065 Pewaukee Road
Pewaukee, WI 53072

Re: Utility Reclassification to Class AB

Utility: 4625

Dear Ms. Mueller:

City of Pewaukee Water Utility (Utility) is currently classified as a Class C utility under the Public Service Commission's (Commission) [Uniform System of Accounts](#) (USOA). However, based on its 2021 PSC Annual Report, the Utility reported 4,063 metered water customers. The USOA classifies a utility with over 4,000 reported customers as a Class AB utility. Therefore, the Utility now qualifies as a Class AB utility.

Accordingly, the Commission requires the Utility to file a Class AB PSC Annual Report beginning in 2024 (report due May 1, 2025) and to make changes to its accounting system using the Class AB USOA beginning January 1, 2024. The Utility may continue to report as a Class C utility through the year 2023. Enclosed with this letter is a document listing the differences between Class C and Class AB USOA.

Please note that per Wis. Admin. Code § PSC 185.43, the Commission requires Class AB utilities to keep a Continuing Property Record (CPR) of their assets. The Commission requires that the Utility complete the CPR by December 31, 2024. A CPR is a database of a utility's assets with information fields that include, at a minimum, a description of the asset, the year installed, the original cost of the asset, the location of the asset, and the year the asset was retired. If a utility has a Geographic Information System (GIS) that tracks asset locations, it should use this data to enhance the information included in its CPR. The Commission considers CPR data as an infrastructure mortality table that supports depreciation rates approved by the Commission and provides the foundation for a utility asset management plan. Commission staff is available to serve as a resource as a utility develops its CPR, which typically takes several years.

Ms. Jane Mueller
City of Pewaukee Water Utility
Page 2

If you have questions about reclassifying to a Class AB utility, please contact Gustavo Uribe at Gustavo.Uribe@wisconsin.gov. For specific questions about Commission accounting procedures, please contact Kathy Butzlaff at (608) 267- 9817 or Kathy.Butzlaff@wisconsin.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Elizabeth Bier". The signature is fluid and cursive, with the first name "Elizabeth" written in a larger, more prominent script than the last name "Bier".

Elizabeth A. Bier
Administrator
Division of Water Utility and Analysis

EAB:gau;krl DL:01913238

Difference Between Class AB and Class C Uniform System of Accounts

1. Class AB: List of Operation and Maintenance Expense Accounts
 - a. Source of Supply Expenses
 - i. Operations
 - (1) 600 Operation Supervision and Engineering
 - (2) 601 Operation Labor and Expenses
 - (3) 602 Purchased Water
 - (4) 603 Miscellaneous Expenses
 - (5) 604 Rents
 - ii. Maintenance
 - (1) 610 Maintenance Supervision and Engineering
 - (2) 611 Maintenance of Structures and Improvements
 - (3) 612 Maintenance of Collecting and Impounding Reservoirs
 - (4) 613 Maintenance of Lake, River and Other Intakes
 - (5) 614 Maintenance of Wells and Springs
 - (6) 616 Maintenance of Supply Mains
 - (7) 617 Maintenance of Miscellaneous Water Source Plant
 - b. Pumping Expenses
 - i. Operation
 - (1) 620 Operation Supervision and Engineering
 - (2) 621 Fuel for Power Production
 - (3) 622 Power Production Labor Expenses
 - (4) 623 Fuel or Power Purchased for Pumping
 - (5) 624 Pumping Labor and Expenses
 - (6) 625 Expenses Transferred – Credit
 - (7) 626 Miscellaneous Expenses
 - (8) 627 Rents
 - ii. Maintenance
 - (1) 630 Maintenance Supervision and Engineering
 - (2) 631 Maintenance of Structures and Improvements
 - (3) 632 Maintenance of Power Production Equipment
 - (4) 633 Maintenance of Pumping Equipment
 - c. Water Treatment Expenses
 - i. Operation
 - (1) 640 Operation Supervision and Engineering
 - (2) 641 Chemicals
 - (3) 642 Operation Labor and Expenses
 - (4) 643 Miscellaneous Expenses
 - (5) 644 Rents
 - ii. Maintenance
 - (1) 650 Maintenance Supervision and Engineering
 - (2) 651 Maintenance of Structures and Improvements
 - (3) 652 Maintenance of Water Treatment Equipment

- d. Transmission and Distribution Expenses
 - i. Operation
 - (1) 660 Operation Supervision and Engineering
 - (2) 661 Storage Facilities Expenses
 - (3) 662 Transmission and Distribution Lines Expenses
 - (4) 663 Meter Expenses
 - (5) 664 Customer Installation Expenses
 - (6) 665 Miscellaneous Expenses
 - (7) 666 Rents
 - ii. Maintenance
 - (1) 670 Maintenance Supervision and Engineering
 - (2) 671 Maintenance of Structures and Improvements
 - (3) 672 Maintenance of Distribution Reservoirs and Standpipes
 - (4) 673 Maintenance of Transmission and Distribution Mains
 - (5) 675 Maintenance of Services
 - (6) 676 Maintenance of Meters
 - (7) 677 Maintenance of Hydrants
 - (8) 678 Maintenance of Miscellaneous Plant
- e. Customer Accounts Expenses
 - i. Operation
 - (1) 901 Supervision
 - (2) 902 Meter Reading Expenses
 - (3) 903 Customer Records and Collection Expenses
 - (4) 904 Uncollectible Accounts
 - (5) 905 Miscellaneous Customer Accounts Expenses
 - (6) 906 Customer Service and Information Expenses
- f. Sales Expenses
 - i. Operation
 - (1) 910 Sales Expenses
- g. Administrative and General Expenses
 - i. Operation
 - (1) 920 Administrative and General Salaries
 - (2) 921 Office Supplies and Expenses
 - (3) 922 Administrative Expenses Transferred – Credit
 - (4) 923 Outside Services Employed
 - (5) 924 Property Insurance
 - (6) 925 Injuries and Damages
 - (7) 926 Employee Pensions and Benefits
 - (8) 928 Regulatory Commission Expenses
 - (9) 929 Duplicate Charges – Credit
 - (10) 930 Miscellaneous General Expenses
 - (11) 931 Rents
 - ii. Maintenance
 - (1) 931 Maintenance of General Plant

- 2. Class C: List of Operation and Maintenance Expense Accounts
 - a. Source of Supply Expenses
 - i. Operation
 - (1) 600 Operation Labor
 - (2) 601 Purchased Water
 - (3) 602 Operation Supplies and Expenses
 - ii. Maintenance
 - (1) 600 Maintenance of Water Source Plant
 - b. Pumping Expenses
 - i. Operation
 - (1) 620 Operation Labor
 - (2) 621 Fuel for Power Production
 - (3) 622 Fuel or Power Purchased for Pumping
 - (4) 623 Operation Supplies and Expenses
 - ii. Maintenance
 - (1) 625 Maintenance of Pumping Plant
 - c. Water Treatment Expenses
 - i. Operation
 - (1) 630 Operation Labor
 - (2) 631 Chemicals
 - (3) 632 Operation Supplies and Expenses
 - ii. Maintenance
 - (1) 635 Maintenance of Water Treatment Plant
 - d. Transmission and Distribution Expenses
 - i. Operation
 - (1) 640 Operation Labor
 - (2) 641 Operation Supplies and Expenses
 - ii. Maintenance
 - (1) 650 Maintenance of Distribution Reservoirs and Standpipes
 - (2) 651 Maintenance of Mains
 - (3) 652 Maintenance of Services
 - (4) 653 Maintenance of Meters
 - (5) 654 Maintenance of Hydrants
 - (6) 655 Maintenance of Other Plant
 - e. Customer Accounts Expenses
 - i. Operation
 - (1) 901 Meter Reading Labor
 - (2) 902 Accounting and Collecting Labor
 - (3) 903 Supplies and Expenses
 - (4) 904 Uncollectible Accounts
 - (5) 906 Customer Service and Informational Expenses
 - f. Sales Expenses
 - i. Operation
 - (1) 910 Sales Expenses

- g. Administrative and General Expenses
 - i. Operation
 - (1) 920 Administrative and General Salaries
 - (2) 921 Office Supplies and Expenses
 - (3) 922 Administrative Expenses Transferred – Credit
 - (4) 923 Outside Services Employed
 - (5) 924 Property Insurance
 - (6) 925 Injuries and Damages
 - (7) 926 Employee Pensions and Benefits
 - (8) 928 Regulatory Commission Expenses
 - (9) 930 Miscellaneous General Expenses
 - (10) 933 Transportation Expenses
 - ii. Maintenance
 - (1) 935 Maintenance of General Plant
- 3. Differences between Class AB and Class C. Class AB Operation and Maintenance Accounts Expenses are noted no change or {New} or {Class D AccountXXX}
 - a. Source of Supply Expenses
 - i. Operation
 - (1) 600 Operation Supervision and Engineering {Class C Account 600}
 - (2) 601 Operation Labor and Expenses {Class C Account 600 & 602}
 - (3) 602 Purchased Water {Class C Account 601}
 - (4) 603 Miscellaneous Expenses {New}
 - (5) (5) 604 Rents {New}
 - ii. Maintenance
 - (1) 610 Maintenance Supervision and Engineering {Class C Account 605}
 - (2) 611 Maintenance of Structures and Improvements {Class C Account 605}
 - (3) 612 Maintenance of Collecting and Impounding Reservoirs {Class C Account 605}
 - (4) 613 Maintenance of Lake, River and Other Intakes {Class C Account 605}
 - (5) 614 Maintenance of Wells and Springs {Class C Account 605}
 - (6) 616 Maintenance of Supply Mains {Class C Account 605}
 - (7) 617 Maintenance of Miscellaneous Water Source Plant {Class C Account 605}
 - b. Pumping Expenses
 - i. Operation
 - (1) 620 Operation Supervision and Engineering {Class C Account 620}
 - (2) 621 Fuel for Power Production {Class C Account 621}
 - (3) 622 Power Production Labor Expenses {Class C Account 620}
 - (4) 623 Fuel or Power Purchased for Pumping {Class C Account 622}
 - (5) 624 Pumping Labor and Expenses {Class C Account 620 & 623}
 - (6) 625 Expenses Transferred – Credit {New}
 - (7) 626 Miscellaneous Expenses {New}

- (8) 627 Rents {New}
- ii. Maintenance
 - (1) 630 Maintenance Supervision and Engineering {Class C Account 625}
 - (2) 631 Maintenance of Structures and Improvements {Class C Account 625}
 - (3) 632 Maintenance of Power Production Equipment {Class C Account 625}
 - (4) 633 Maintenance of Pumping Equipment {Class C Account 625}
- c. Water Treatment Expenses
 - i. Operation
 - (1) 640 Operation Supervision and Engineering {Class C Account 630}
 - (2) 641 Chemicals {Class C Account 631}
 - (3) 642 Operation Labor and Expenses {Class C Account 630 & 632}
 - (4) 643 Miscellaneous Expenses {New}
 - (5) 644 Rents {New}
 - ii. Maintenance
 - (1) 650 Maintenance Supervision and Engineering {Class C Account 635}
 - (2) 651 Maintenance of Structures and Improvements {Class C Account 635}
 - (3) 652 Maintenance of Water Treatment Equipment {Class C Account 635}
- d. Transmission and Distribution Expenses
 - i. Operation
 - (1) 660 Operation Supervision and Engineering {Class C Account 640}
 - (2) 661 Storage Facilities Expenses {Class C Account 640 & 641}
 - (3) 662 Transmission and Distribution Lines Expenses {Class C Account 640 & 641}
 - (4) 663 Meter Expenses {Class C Account 640 & 641}
 - (5) 664 Customer Installation Expenses {Class C Account 640 & 641}
 - (6) 665 Miscellaneous Expenses {New}
 - (7) 666 Rents {New}
 - ii. Maintenance
 - (1) 670 Maintenance Supervision and Engineering {Class C Account 640}
 - (2) 671 Maintenance of Structures and Improvements {Class C Account 655}
 - (3) 672 Maintenance of Distribution Reservoirs and Standpipes {Class C Account 650}
 - (4) 673 Maintenance of Transmission and Distribution Mains {Class C Account 651}
 - (5) 675 Maintenance of Services {Class C Account 652}
 - (6) 676 Maintenance of Meters {Class C Account 653}
 - (7) 677 Maintenance of Hydrants {Class C Account 654}
 - (8) 678 Maintenance of Miscellaneous Plant {Class C Account 655}

- e. Customer Accounts Expenses
 - i. Operation
 - (1) 901 Supervision {Class C Account 901}
 - (2) 902 Meter Reading Expenses {Class C Account 901}
 - (3) 903 Customer Records and Collection Expenses {Class C Account 902 & 903}
 - (4) 904 Uncollectible Accounts {Class C Account 904}
 - (5) 905 Miscellaneous Customer Accounts Expenses {New}
 - (6) 906 Customer Service and Information Expenses {Class C Account 906}
- f. Sales Expenses
 - i. Operation
 - (1) 910 Sales Expenses {Class C Account 910}
- g. Administrative and General Expenses
 - i. Operation
 - (1) 920 Administrative and General Salaries {Class C Account 920}
 - (2) 921 Office Supplies and Expenses {Class C Account 921}
 - (3) 922 Administrative Expenses Transferred – Credit {Class C Account 922}
 - (4) 923 Outside Services Employed {Class C Account 923}
 - (5) 924 Property Insurance {Class C Account 924}
 - (6) 925 Injuries and Damages {Class C Account 925}
 - (7) 926 Employee Pensions and Benefits {Class C Account 926}
 - (8) 928 Regulatory Commission Expenses {Class C Account 928}
 - (9) 929 Duplicate Charges – Credit {New}
 - (10) 930 Miscellaneous General Expenses {Class C Account 930}
 - (11) 931 Rents {New}



**Department of Public Works
Water & Sewer Utility**

W240N3065 Pewaukee Road • Pewaukee, WI 53072
Phone: (262) 691-0804 • Fax: (262) 691-5729
Email: publicworks@pewaukee.wi.us

December 13, 2022

Sent via Electronic Regulatory Filing System

Public Service Commission of Wisconsin
4822 Madison Yards Way
PO Box 7854
Madison WI 53707-7854

Re: Time Extension Request for Implementation of Reclassification to AB Utility
Utility: 4625

Dear Commission:

The Public Service Commission (PSC) recently notified the City of Pewaukee (City) that due to the number of metered water customers (4,063) the City will be reclassified to a Class AB Utility. The Reclassification will require the Utility to make significant changes to our accounting practices and procedures using a new Uniform System of Accounts as well as implementation of a formal asset management/continuing property records program.

The City is currently experiencing the same staffing challenges that many other communities and employers are facing. Our accounting department is short-staffed (currently utilizing a temp service), as one of our accountants has moved on to another opportunity, while another is out on medical leave prior to her pending retirement. These challenges forced the City/Utility to consider a variety of alternatives to provide qualified accounting services for the City/Utility. While a decision has been made on the alternative, hiring and developing work process flows will need to take place in early 2023.

The Utility recognizes the need for an asset management program. Funds to purchase software have been included in the 2023 budget. We are hoping to choose an asset management software program within the first quarter of 2023. Gathering property/asset records and finding detailed values that are required to build the asset database will be the most challenging aspect of this process.

Also budgeted in 2023 is the development of a GIS database and web viewer. The implementation of the GIS database will occur ahead of the asset management software. Request for Proposals will be going out after the first of the year. The City has most of our utility infrastructure within a static outdated GIS system. We will not need to populate the new database from scratch; however, it will still take a significant amount of time and effort to modernize our records.

The City does not take the purchase of new software programs lightly. We thoroughly vet each program before deciding on a vendor, which can be a timely process. In August of this year, the Utility purchased new Utility billing software. Unfortunately, the vendor will not be able to implement our new program until June of 2023. Similarly, we will not know the availability for the vendor implementation of either the asset management or GIS database until they are chosen sometime in early 2023.

The City does not have a firm schedule for the purchase and implementation of the new software programs that will allow the City to provide the details required to meet the Continuing Property Records of the Class AB Utility. Gathering information, building databases, and creating new work process flows will require significant time and effort by Utility and Engineering staff.

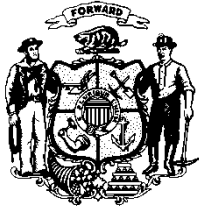
As we strive to fill the staff vacancies and the uncertainty of the dates for the actual purchase and installation of the software, the City of Pewaukee requests that the PSC delay the implementation of utility reclassification until reporting year 2025 (report due May 1, 2026). At this time, we do not believe that we can fully and accurately implement all the requirements of the Reclassification for the reporting year 2024.

Thank you for your consideration. Please let me know if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Jane E. Mueller". The ink is dark and the signature is fluid.

Jane E. Mueller
Utility Manager
City of Pewaukee



Public Service Commission of Wisconsin

Rebecca Cameron Valcq, Chairperson
 Tyler Huebner, Commissioner
 Summer Strand, Commissioner

4822 Madison Yards Way
 P.O. Box 7854
 Madison, WI 53707-7854

Public Service Commission of Wisconsin
 RECEIVED: 5/5/2023 2:15:00 PM

May 5, 2023

Ms. Jane Mueller, Utility Manager
 City of Pewaukee Water Utility
 W240 N3065 Pewaukee Road
 Pewaukee, WI 53072

Re: Utility Reclassification to Class AB

Utility: 4625

Dear Ms. Mueller:

On November 8, 2022, the Public Service Commission of Wisconsin (Commission) notified the City of Pewaukee Water Utility (Utility) that the Utility qualifies as a Class AB utility due to the increase of metered water customers reported in its 2021 PSC Annual Report. ([PSC REF#: 452114.](#)) As a result, the Commission required the Utility to file a Class AB PSC Annual Report beginning in 2024 (PSC Annual Report due May 1, 2025) and to make changes to its accounting system beginning January 1, 2024.

On December 23, 2022, the Utility requested an extension to the requirements in the above letter until the reporting year 2025 (PSC Annual Report due May 1, 2026). ([PSC REF#: 454800.](#)) In its extension request, the Utility noted that the City of Pewaukee (City) is currently experiencing staffing challenges that forced the City to consider a variety of alternatives to provide qualified accounting services to the Utility. The challenges delayed internal processes, including the hiring of new staff, the implementation of a new asset management program (CPR), and the implementation of a new GIS database for the Utility.

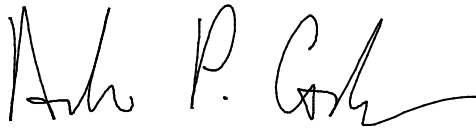
Based on the information provided in the extension request, the Commission grants the Utility's request for an extension to implement the Class AB reclassification in the 2025 reporting year (PSC Annual Report due May 1, 2026) and to make changes to its accounting system using the Class AB Uniform System of Accounts beginning January 1, 2025.

If the Utility has questions regarding reclassification to a Class AB utility, please contact Gustavo Uribe at Gustavo.Uribe@wisconsin.gov. For specific questions regarding Commission

Ms. Jane Mueller
Page 2

accounting procedures, please contact Kathy Butzlaff at (608) 267-9817 or
Kathy.Butzlaff@wisconsin.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Andrew P. Galvin". The signature is fluid and cursive, with a long horizontal stroke at the end.

Andrew P. Galvin
Administrator
Division of Water Utility Regulation and Analysis

APG:GAU:kr1 DL:01942337

CITY OF PEWAUKEE
PUBLIC WORKS COMMITTEE AGENDA ITEM 6.1.

DATE: February 22, 2024

DEPARTMENT: PW - Engineering

PROVIDED BY: Magdelene Wagner

SUBJECT:

Discussion and possible action regarding the policy to extend municipal sanitary sewer and water main as part of road reconstruction projects.

BACKGROUND:

During the last few years, the Common Council has rejected municipal sewer and water extensions to existing neighborhoods as part of road reconstruction projects. The Mayor requested Staff revisit the policy to extend municipal services as part of road reconstruction projects.

To start, we need to understand a few things about these projects.

1. Staff publishes the upcoming projects in the newsletter (published in Spring and Fall) and posts the information to the City's website to alert residents in advance of projects after the 5 year plan is adopted by the Common Council in the budget cycle.
2. Municipal extensions are proposed with road reconstruction projects when the municipal utilities are nearby or directly adjacent to the road or when Staff is aware of an environmental factor (ground water contamination, quarry issues with private wells, old septic systems).
3. Property owners pay for all costs associated with the utility extensions as special assessments. Each property will pay for their share of the water, sewer, and laterals. Assessments may be paid over 10 years with interest charges. There are no caps to these assessments. At the time of connection, property owners must be additional RCA's and ICA's which pay for oversizing of systems, wells, towers, lift stations, etc. Finally, property owners must be pay for a private plumber to run the lateral from the property line to the home at their expense.
4. Assessment notices are mailed to every property within the assessment district at the same time the notice for the public hearing is mailed to them. This is also published in the paper as a class I notice. The information is also posted on the City's website.
5. At the public hearing, all who wish to speak are allowed to speak. The Common Council typically makes the decision to award or reject the project at the same meeting.

Some of the recently rejected municipal extensions appeared to be due to cost of the utilities and the assessments to the property owners. The projects are publicly bid contracts and by State Law, we are required to take the lowest qualified bidder. At this time, costs are borne entirely by the properties who benefit from the extension.

The Sewer and Water Utilities operate as enterprise funds. To date, the utilities have not absorbed the costs to extend municipal utilities to properties. If they decided to do so, the Public Service Commission would need to approve the funds in the case of the Water Utility. The Common Council would need to approve the use of these funds for both the

Water and Sewer Utilities. If the Utilities were to fund these extensions, everyone needs to be aware that other users of those systems would be funding the extensions in other areas.

Staff has reviewed possible grants or other funding to assist with the costs. Many programs do not address the municipal extensions to properties or to areas of low income on a community basis. As you may be aware, Pewaukee is considered an affluent community and therefore, does not qualify for many of the low income programs. In addition, grants associated with low income benefits require property owners to provide income statistics to qualify which will be difficult to obtain this sensitive information. Finally, Staff requested the use of ARPA funds or City funds to offset the cost of the infrastructure improvements which was denied.

It is difficult to engage residents prior to having the actual numbers for the assessments as we have seen very large swings in bids recently for this infrastructure. We do not want to provide false information which has a large impact on the property owners.

Staff is seeking input on future direction of these projects. There is substantial money spent on the design of this infrastructure which is largely unrecoverable. Staff feels strongly that these extensions should occur in the areas of environmental concerns or in older subdivisions still on well and septic. It also makes the most economical sense to complete these project ahead of the road reconstruction projects.

FINANCIAL IMPACT:

RECOMMENDED MOTION: