

**Public Utilities Committee
Public Works Committee
*Joint Meeting***

Tuesday, November 19, 2019

6:00 PM

**McFarland Municipal Center
*Training Room***

AGENDA

1. CALL TO ORDER, ROLL CALL.
2. PUBLIC APPEARANCES.
3. BUSINESS.
 - a. Presentation from Maddrell Contractors regarding 2019 Street Construction
 - b. Discussion and action on drainage improvements adjacent to the Lower Yahara Trail generally located on Elvehjem Road near Hidden Farm Road.
 - c. Presentation of the Public Works Monthly Report from the Director.
4. ADJOURNMENT.

This meeting notice constitutes an official meeting of the above referenced group and was posted in accordance with all applicable laws related to Open Meetings Law. It is possible that members of and possibly a quorum of members of other governmental bodies of the municipality may be in attendance at the above stated meeting to gather information. No action will be taken by any governmental body at the above stated meeting other than the governmental body specifically referred to above in this notice. Upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals. For additional information or to request this service, contact the McFarland Municipal Center at (608) 838-3153 or cassandra.suettinger@mcfarland.wi.us.



VILLAGE BOARD SUMMARY SHEET

MEETING DATE: Tuesday, November 19, 2019

SECTION: Business

DEPARTMENT: Public Works

CONTACT: Jim Hessling, Public Works Director

AGENDA ITEM: Presentation from Maddrell Contractors regarding 2019 Street Construction

PREVIOUS ACTION:

ISSUE SUMMARY:

Maddrell Contractors would like to provide an update regarding the construction in the Village. The update will provide what previous issues had occurred and what is currently ongoing.

FINANCIAL/BUDGET IMPACT:

VILLAGE PLAN REFERENCE:

ORDINANCE REFERENCE:

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

ATTACHMENTS:

None



VILLAGE BOARD SUMMARY SHEET

MEETING DATE: Tuesday, November 19, 2019

SECTION: Business

DEPARTMENT: Administration

CONTACT: Jim Hessling, Public Works Director, Matt Schuenke, Village Administrator

AGENDA ITEM: Discussion and action on drainage improvements adjacent to the Lower Yahara Trail generally located on Elvehjem Road near Hidden Farm Road.

PREVIOUS ACTION:

ISSUE SUMMARY:

Village Staff has been studying drainage along the trail and looking at possible improvements to convey water that is discharged via overland flow. The area itself is generally lower than other places in the Village and has a higher concentration of ground water which for nearby homes leads to a lot of discharge from sump pumps. The road also contributes to this as there is no curb and cutter to convey to a storm sewer. When the water contributes in higher volumes it creates a hazard on the trail in all seasons either through ice in the winter, or generally slippery conditions in the Summer. In the packet is a cost estimate on what would be a public improvement to address these issues. The Village Engineer will be present to evaluate these issues and talk about these solutions as it reflects on the cost.

FINANCIAL/BUDGET IMPACT:

VILLAGE PLAN REFERENCE:

ORDINANCE REFERENCE:

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

ATTACHMENTS:

1. MC 160 CURRENT SET
2. Sump Pump procedure guide



3. air break
4. CIP Budget Estimates
5. Sighting Road sketch
6. Sump Routes

Village of McFarland, Wisconsin

The map displays a residential area with numerous streets. A hatched rectangular area is identified as the 'PROJECT LOCATION' by an arrow. Surrounding streets include Rankin Rd to the north, Rustling Oaks Ln, Wellington Cir, Marsh Rd, Curtis St, and others. Major roads like Highway 38 and Highway 51 are also shown. The project location is situated near the intersection of Hidden Farm Rd and E Open Meadow.

MEMBER

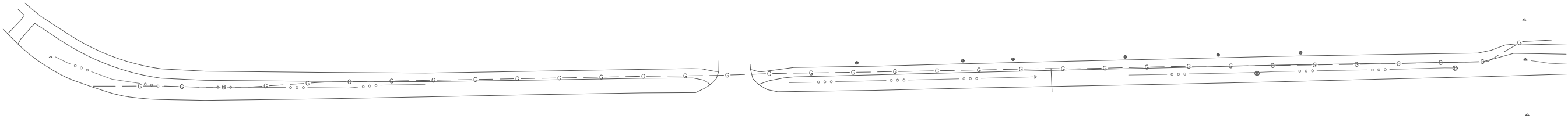


TO OBTAIN LOCATION OF
PARTICIPANTS' UNDERGROUND
FACILITIES BEFORE YOU DIG
IN WISCONSIN

CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.

PROJECT NO.:	MC 160	DRAWN BY:	J.R.K.	2020 STREET AND UTILITY IMPROVEMENTS CREAMERY ROAD AND ELVEHEM ROAD Village of McFarland, Wisconsin	 TOWN & COUNTRY ENGINEERING, INC.	2912 Marketplace Drive Suite 103 Madison, WI 53719 (608) 273-3350 www.tcrengineers.net	
DRAWING FILE:	MC 160 DETAILS.DWG	CHECKED BY:	B.R.B.				
DATE:	10-29-19	REV. DATE:					
				SHEET	REVISIONS	BY	DATE



- LOCATIONS MARKED WITH "□" TO RECEIVE INLET FILTER PROTECTION DURING CONSTRUCTION. ALL NEW STREET INLETS MUST ALSO RECEIVE INLET FILTER PROTECTION.
- CONSTRUCT A STONE CHECK DAM IN GUTTER LINE AT ALL LOCATIONS MARKED WITH "▲"
- SURFACE FLOW DIRECTION IS INDICATED WITH
- SILT FENCE INSTALLATION IS INDICATED WITH
- POST WDNR CERTIFICATE OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
- KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
- SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
- THE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
- INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
- WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
- REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT http://dnr.wi.gov/topic/stormwater/standards/const_standards.html.
- INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK CONSTRUCTION ENTRANCE(S).
- INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060.
- STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING

NOTIFY THE OWNER 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 OBTAINED.

- PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. LIMIT PUMPING RATES TO EITHER (A) THE SEDIMENT BASIN/TRAP DESIGN DISCHARGE RATE, OR (B) THE BASIN DESIGN RELEASE RATE WITH THE CORRECTLY-FITTED HOSE AND GEOTEXTILE FILTER BAG. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DE-WATERING #1061.
- COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS OR WET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO NR 528). CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064 AND SEDIMENT TRAP #1063.
- CONSTRUCT AND PROTECT THE BIOINFILTRATION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION. REFERENCE THE WDNR TECHNICAL STANDARD BIORETENTION FOR INFILTRATION #1004.
- INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1056. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.
- REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
- INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS #1071.
- IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
- IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE. OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
- STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
- SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS

BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE OWNER. SEPARATE SWEPT MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.

THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES #1068.

PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.

COORDINATE WITH THE OWNER TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERMS).

FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS I, II OR III TYPE A EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1052.

FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS I, II, OR III TYPE B EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053.

MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.

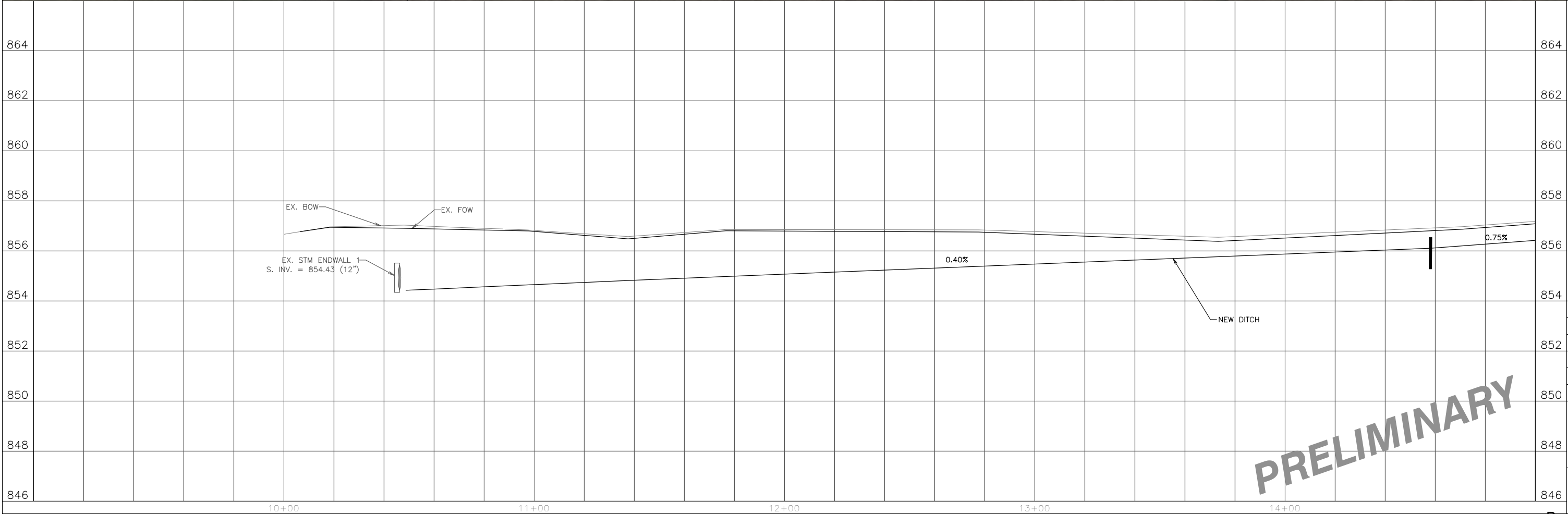
INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES (SUCH AS TEMPORARY SEDIMENT BASINS, DITCH CHECKS, EROSION CONTROL MATTING, SILT FENCING, FILTER SOCKS, WATTLES, SWALES, ETC.), OR AS DIRECTED BY THE OWNER.

THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE-SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNR'S BUREAU OF REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM (BRRTS) PUBLIC DATABASE AT: <http://dnr.wi.gov/botw/>

REFER TO THE [INSERT TITLE OF SPILL PLAN DOCUMENT] IF THERE IS A DISCHARGE OF SEDIMENT AND/OR OTHER CONTAMINANTS. A SPILL PLAN IS REQUIRED IF THERE IS POTENTIAL TO DISCHARGE CONTAMINANTS TO WATERS OF THE STATE.

REFER TO THE [INSERT TITLE OF SPILL PLAN DOCUMENT] IF AN INADVERTENT DISCHARGE OF DRILLING FLUIDS ("FRAC OUT") OCCURS. A SPILL PLAN IS REQUIRED IF THERE IS POTENTIAL TO DISCHARGE CONTAMINANTS TO WATERS OF THE STATE.

	CROSS-SECTION OF A PROPERLY INSTALLED SEDIMENT FENCE SEDIMENT FENCE DETAIL DETAIL SEDIMENT FENCE	
	GENERAL NOTES: WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY. FRAMED INLET PROTECTION SHALL BE COMPLIANT WITH ALL ASTM STANDARD D8057-17 REQUIREMENTS, INCLUDING: A. BYPASS OVERFLOW THAT MEETS OR EXCEEDS INLET DESIGN FLOW B. FRAME AND BAG STRONG ENOUGH TO HANDLE FULL SEDIMENT LOAD. INSTALLATION NOTES: NO PART OF INLET PROTECTION SHALL BE PROJECTING ABOVE THE GRATE. FOR COMBINATION INLETS, PROTECTION SHALL CAPTURE RUNOFF ENTERING BOTH GRATE AND CURB OPENING. A DUAL FABRIC FILTER BAG, WITH NON-WOVEN BOTTOM AND WOVEN TOP SHALL BE USED. THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG. DETAIL INLET PROTECTION - FRAMED (W/ CURB BOX)	
PRELIMINARY		
20XX STREET AND UTILITY IMPROVEMENTS Street Name, Street Name, Street Name Village of McFarland, Wisconsin PROJECT NO.: ## ## DRAWING FILE: MC 160 DETAILS.DWG DRAWN BY: X.X.X. CHECKED BY: X.X.X. DATE: X-X-XX REVISIONS: SCALE: N.T.S. SHEET: 2		
2912 Marketplace Drive Suite 103 Madison, WI 53719 (608) 273-3350 www.tcengineers.net tcTOWN & COUNTRY ENGINEERING, INC. STANDARD CONSTRUCTION DETAILS EROSION CONTROL		



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Station 9+00 To Station 15+00

2020 STREET AND UTILITY IMPROVEMENTS
CREAMERY RD AND ELVEHJEM RD
Village of McFarland, Wisconsin

PROJECT NO.:
MC 160

DRAWING FILE:
MC 160 SHEETS.DWG

DRAWN BY:
J.R.K.

CHECKED BY:
B.R.B.

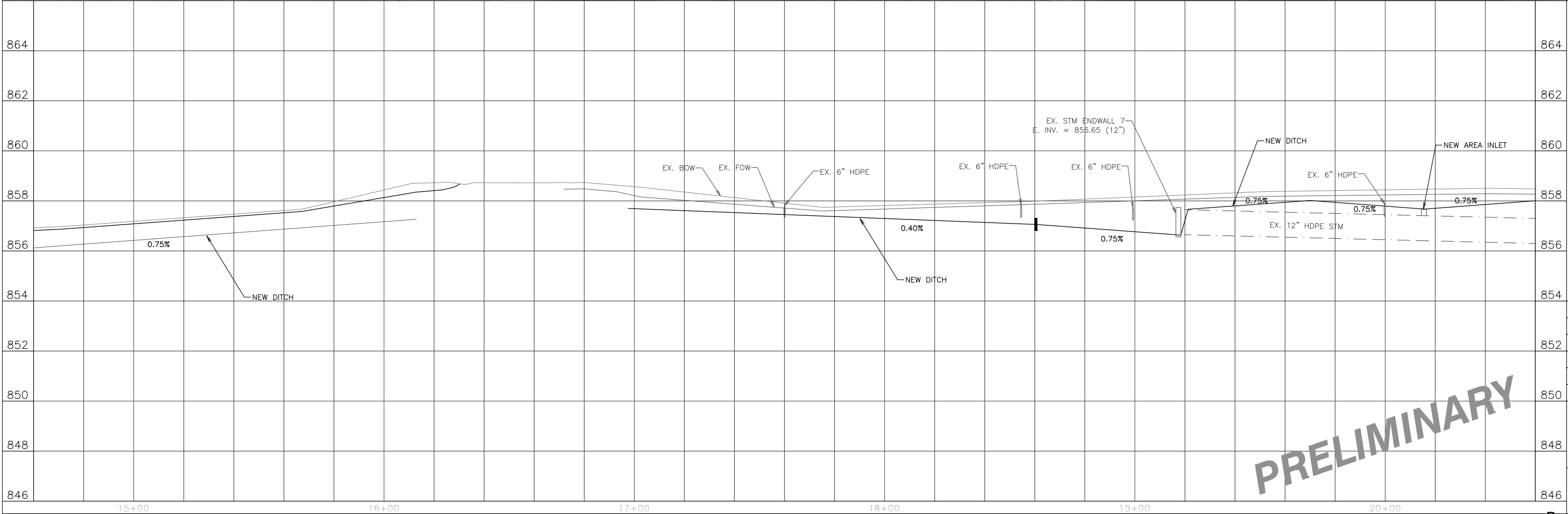
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2020 STREET AND UTILITY IMPROVEMENTS
CREAMERY RD AND ELVEHJEM RD
Village of McFarland, Wisconsin

PROJECT NO.:
MC 160

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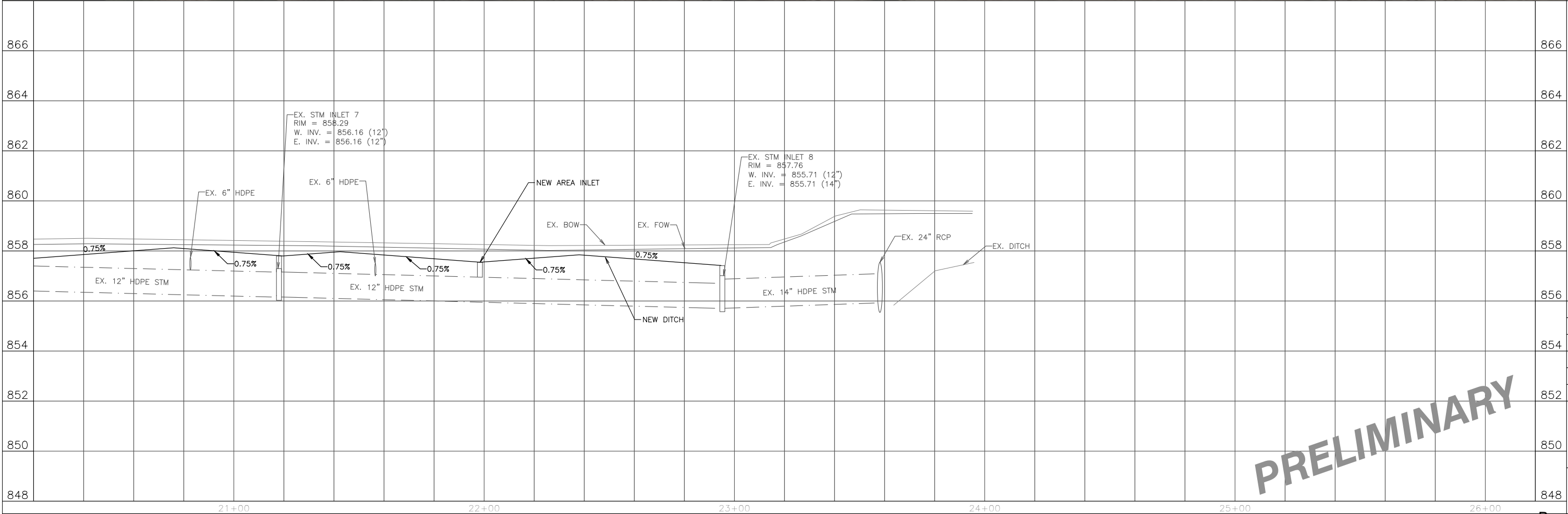
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Station 20+20 To Station 26+20

2020 STREET AND UTILITY IMPROVEMENTS
CREAMERY RD AND ELVEHJEM RD
Village of McFarland, Wisconsin

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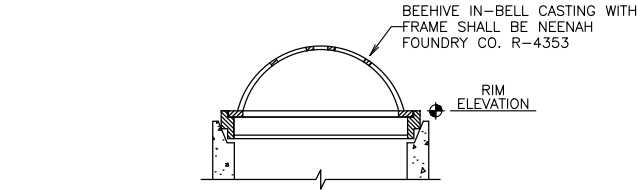
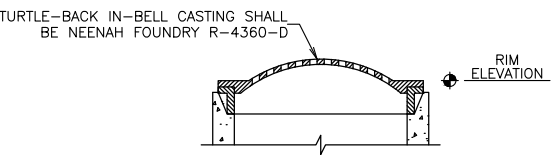
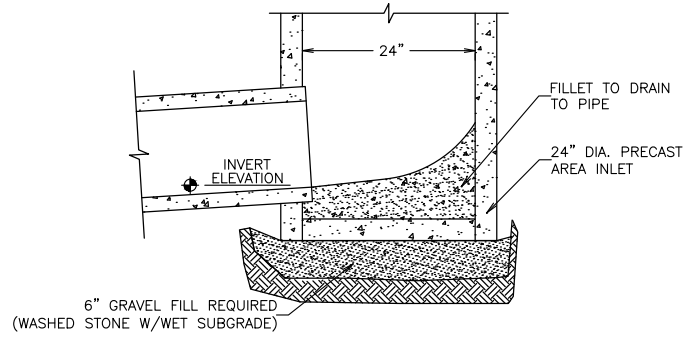
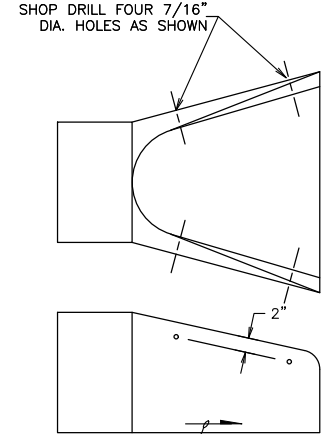
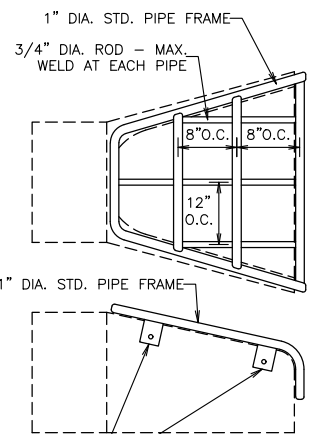
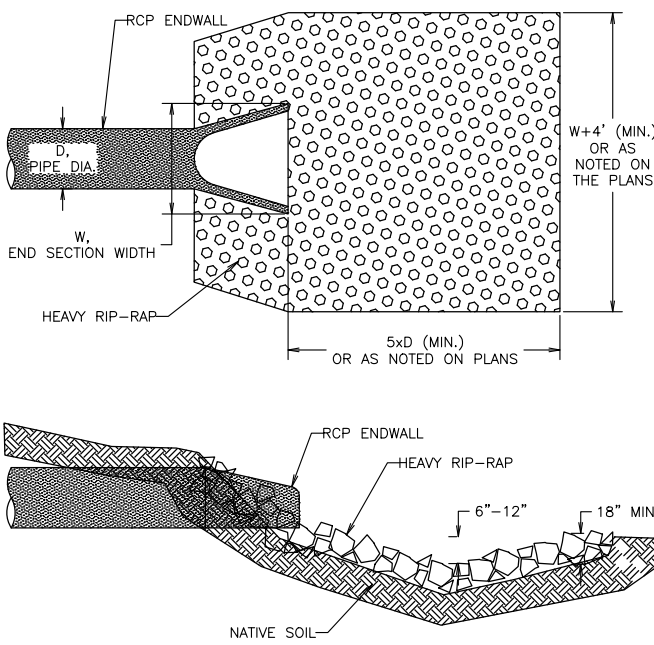
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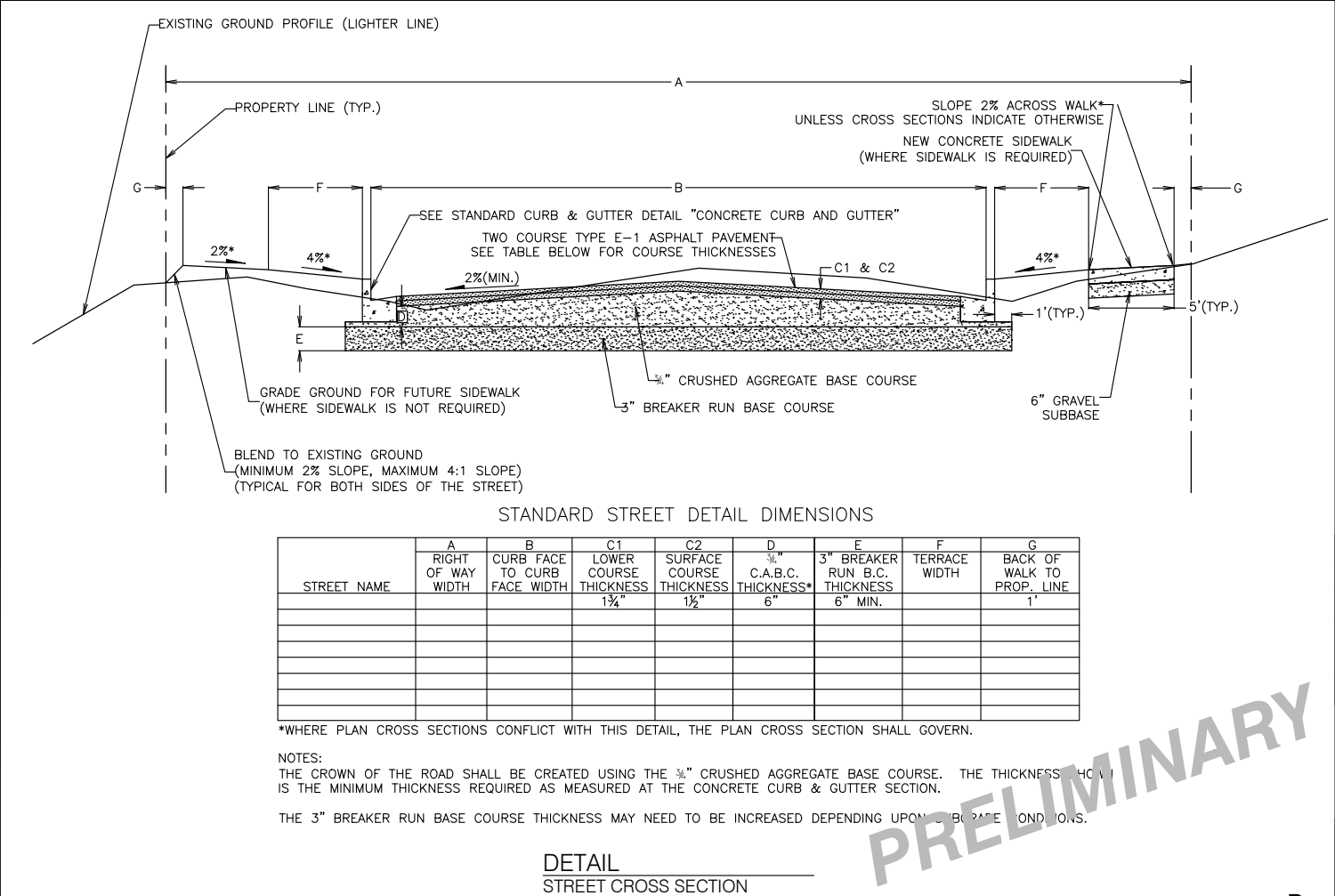
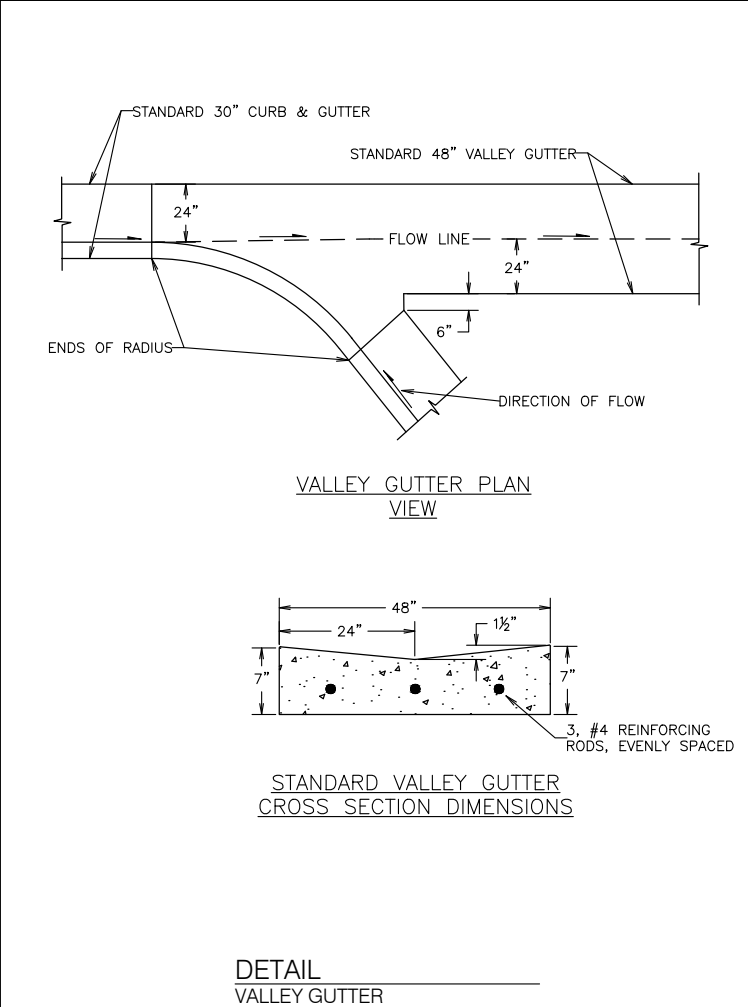
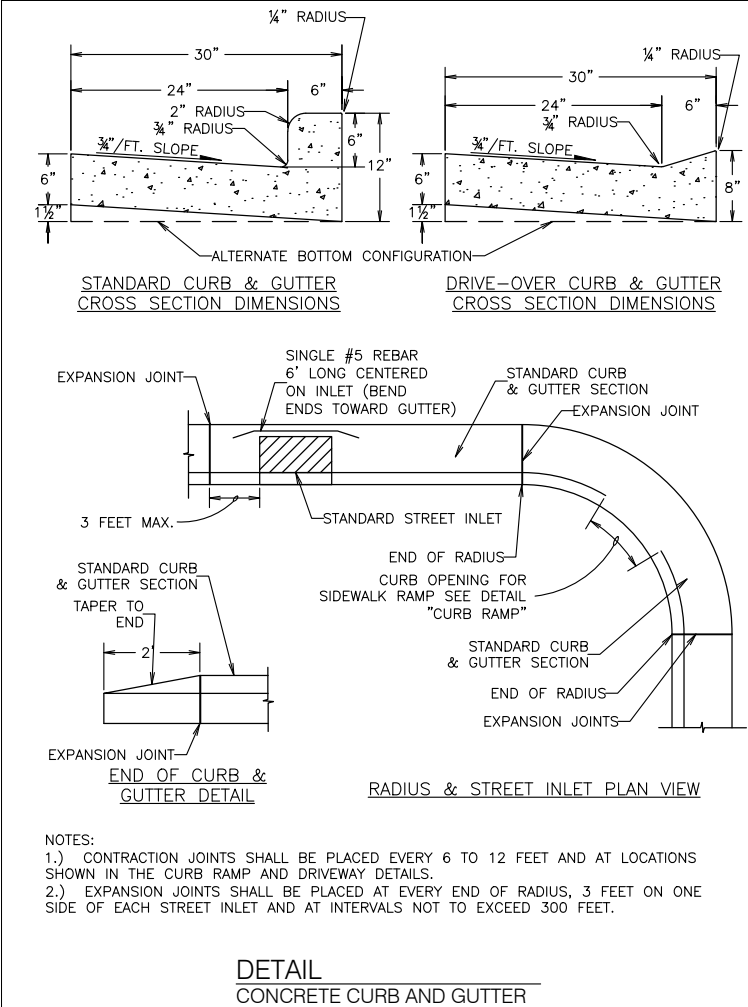
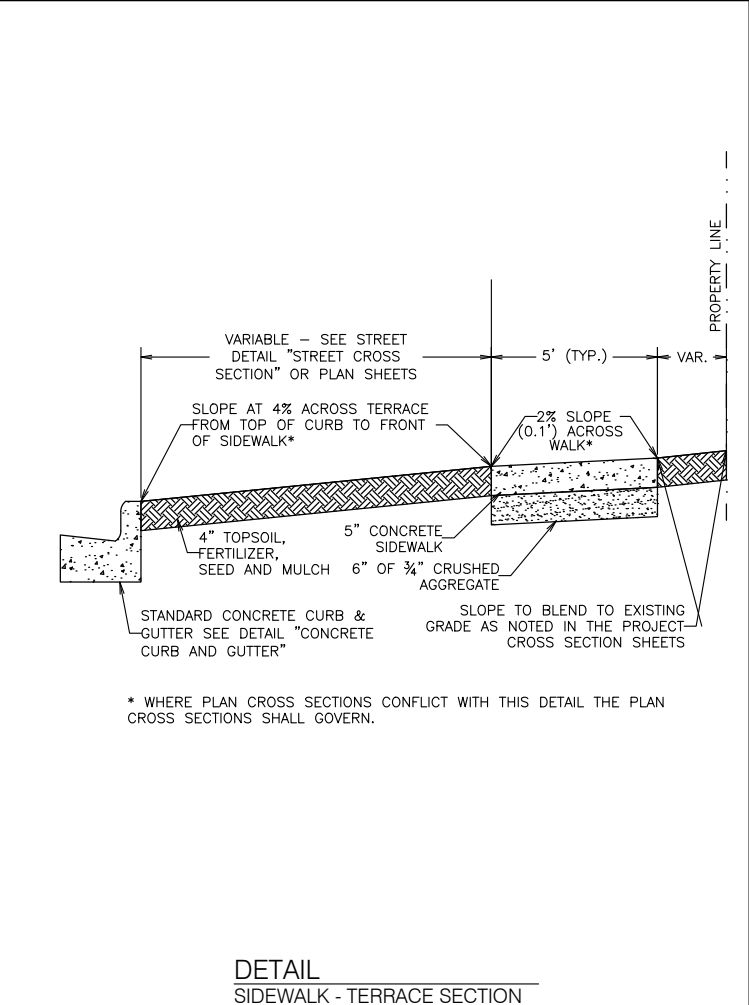
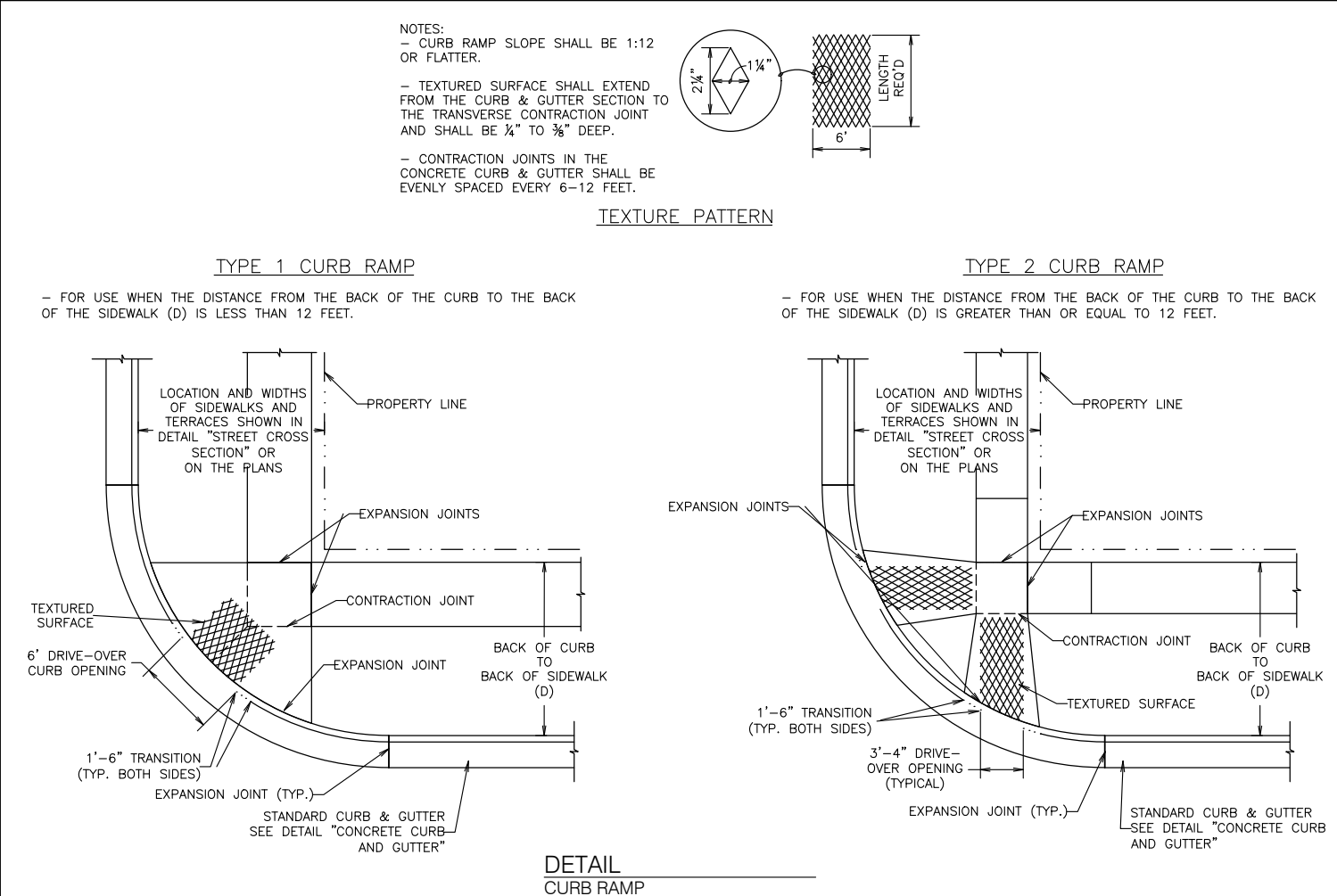
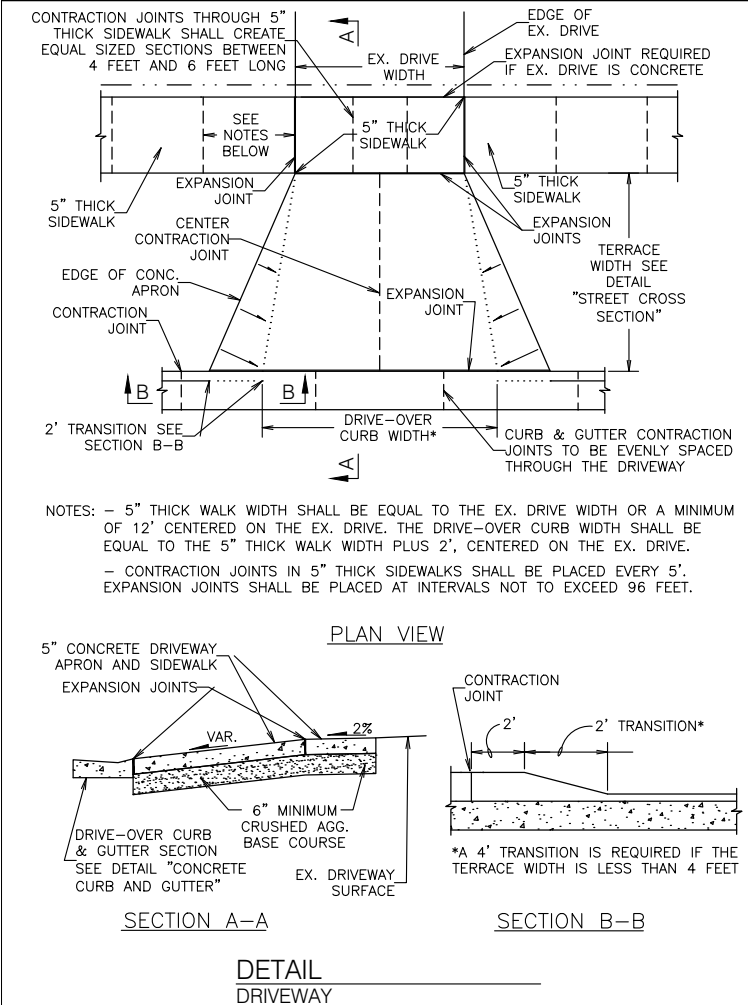
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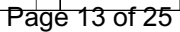
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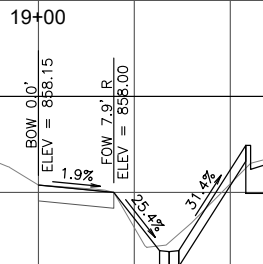
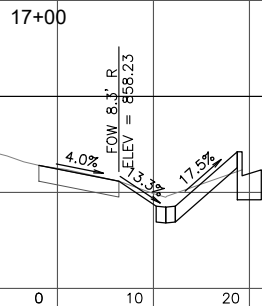
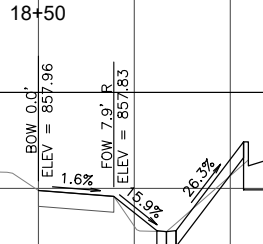
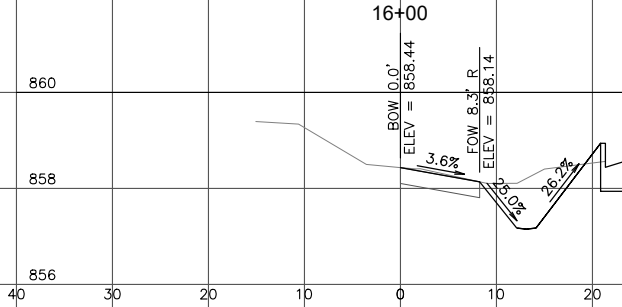
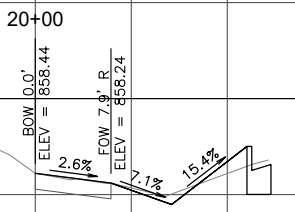
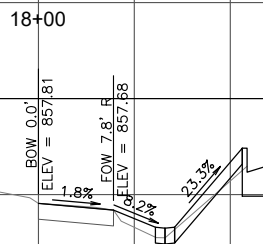
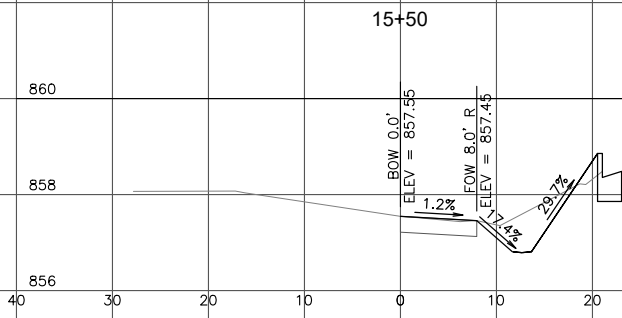
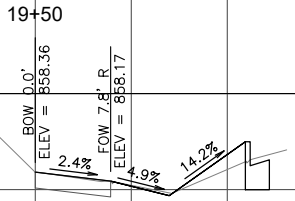
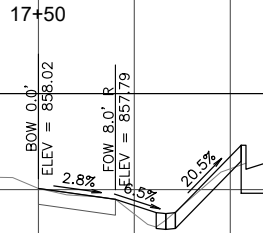
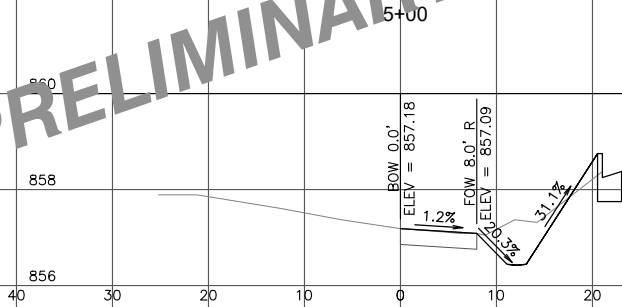
			 BEEHIVE IN-BELL CASTING WITH FRAME SHALL BE NEENAH FOUNDRY CO. R-4353 RIM ELEVATION AREA INLET WITH BEEHIVE CASTING  TURTLE-BACK IN-BELL CASTING SHALL BE NEENAH FOUNDRY R-4360-D RIM ELEVATION AREA INLET WITH TURTLE-BACK CASTING  24" FILLET TO DRAIN TO PIPE 24" DIA. PRECAST AREA INLET 6" GRAVEL FILL REQUIRED (WASHED STONE W/WET SUBGRADE) AREA INLET BOTTOM SECTION DETAIL AREA INLET	 SHOP DRILL FOUR 7/16" DIA. HOLES AS SHOWN 1" DIA. STD. PIPE FRAME 3/4" DIA. ROD - MAX. WELD AT EACH PIPE 8" O.C. 8" O.C. 12" O.C. 2" SLOPE ENDWALL AT THE SAME SLOPE AS THE STORM SEWER 4"x4"x3/16" ANGLES (4 REQ'D) WELD TO FRAME & PROVIDE 7/16" HOLE IN EACH ANGLE ENDWALL DETAILS  1" DIA. STD. PIPE FRAME 8" PIPE GATE DETAILS NOTES: - THE CONTRACTOR SHALL BOLT THE PIPE GATE TO THE CONCRETE ENDWALL WITH FOUR 3/8"x6" MACHINE BOLTS WITH NUTS ON INSIDE WALL. PAINTING SPECIFICATIONS: - THE PIPE GATE SHALL RECEIVER THE FOLLOWING PREPARATION & PAINTING. THE FIRST COAT SHALL BE RUS-OLEUM X-60 RED BARE METAL PRIMER OR APPROVED EQUAL. THE SECOND COAT SHALL BE RUST-OLEUM 960 ZINC CHROMATE PRIMER OR APPROVED EQUAL. THE THIRD COAT SHALL BE RUS-OLEUM 1282 HIGH GLOSS METAL FINISH OR APPROVED EQUAL. PREPARATION STEPS: 1. BARE METAL SURFACES - TREAT WITH THE THREE-COAT PAINTING SYSTEM LISTED AFTER A THOROUGH SCRAPING, WIRE BRUSHING & CLEANING. 2. EACH COAT OF PAINT SHALL BE APPLIED OVER THE ENTIRE GATE SURFACE. 3. ALLOW 24-48 HOURS DRYING TIME AT 60° OR ABOVE BETWEEN COATS. DETAIL ENDWALLS	 RCP ENDWALL D, PIPE DIA. W, END SECTION WIDTH HEAVY RIP-RAP W+4' (MIN.) OR AS NOTED ON THE PLANS 5xD (MIN.) OR AS NOTED ON PLANS RCP ENDWALL HEAVY RIP-RAP 6"-12" 18" MIN. NATIVE SOIL NOTE: RIP-RAP SHALL BE A MINIMUM OF 2 C.Y. PER ENDWALL. DETAIL ENDWALL RIP-RAP	2912 Marketplace Drive Suite 103 Madison, WI 53719 (608) 273-3350 www.tcengineers.net tc TOWN & COUNTRY ENGINEERING, INC. STANDARD CONSTRUCTION DETAILS STORM SEWER 20XX STREET AND UTILITY IMPROVEMENTS Street Name, Street Name, Street Name Village of McFarland, Wisconsin PROJECT NO.: ## ## DRAWING FILE: MC 160 DETAILS.DWG DRAWN BY: X.X.X. CHECKED BY: X.X.X. DATE: X-X-XX REVISIONS: SCALE: N.T.S. SHEET: A4
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PRELIMINARY

EXISTING CONTOURS ARE DENOTED BY LIGHTER LINES.
FINISHED CONTOURS ARE DENOTED BY DARKER LINES.
DRIVE OVER CURB ELEVATIONS ARE LABELED AT FULL
CURB HEIGHT.



2912 Marketplace Drive
Suite 103
Madison, WI 53719
(608) 273-3350
www.tcengineers.net

tc TOWN & COUNTRY
ENGINEERING, INC.

CROSS SECTIONS
CREAMERY ROAD
Station 15+00 To Station 20+00

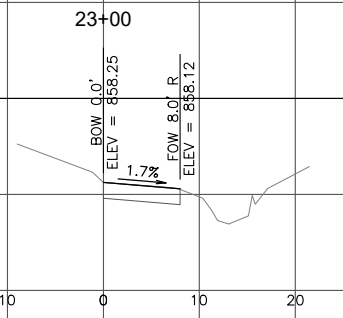
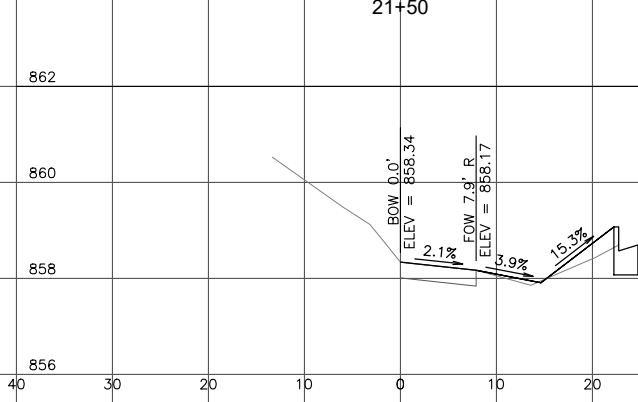
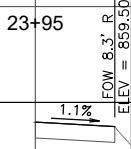
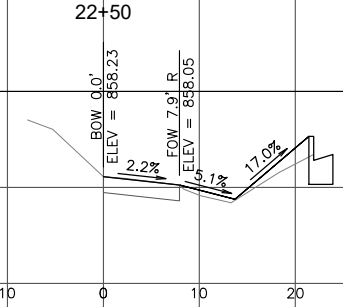
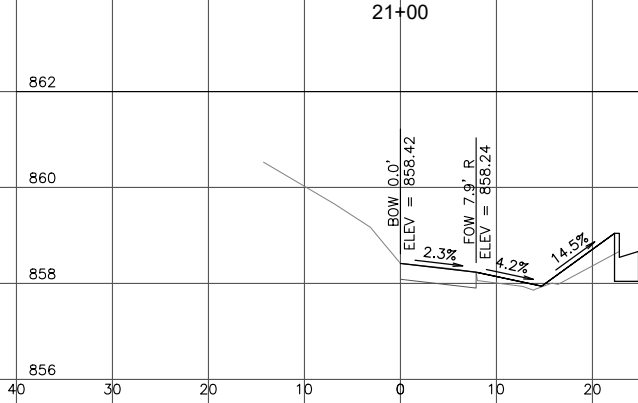
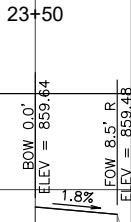
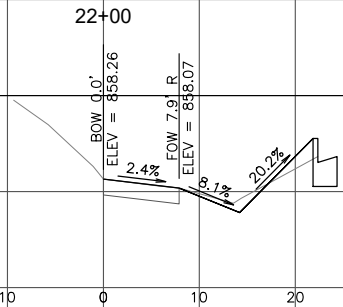
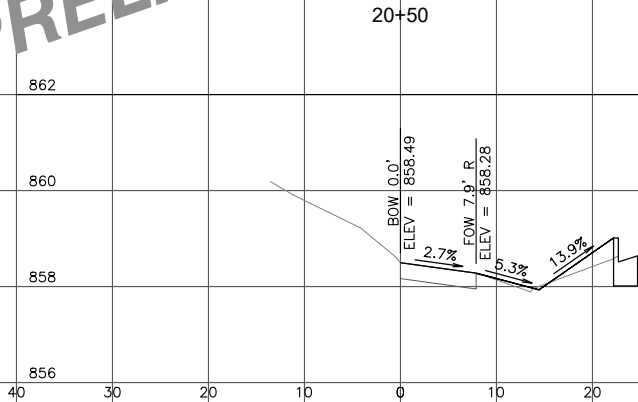
2020 STREET AND UTILITY IMPROVEMENTS
CREAMERY RD AND ELVEHJEM RD
Village of McFarland, Wisconsin

PROJECT NO.:	MC 160
DRAWING NO.:	166
SHEETS.DWG	
DRAWN BY:	J.R.K.
CHECKED BY:	B.R.B.
DATE:	10-29-19
REVISIONS:	
SCALE: HORIZONTAL	1" = 20'
SCALE: VERTICAL	1" = 2'
SHEET:	2

X2

PRELIMINARY

EXISTING CONTOURS ARE DENOTED BY LIGHTER LINES.
FINISHED CONTOURS ARE DENOTED BY DARKER LINES.
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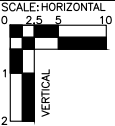


CROSS SECTIONS
CREAMERY ROAD
Station 20+50 To Station 23+95

2020 STREET AND UTILITY IMPROVEMENTS
CREAMERY RD AND ELVEHJEM RD
Village of McFarland, Wisconsin

PROJECT NO.:
MC 160
DRAWING NO.:
SHEETS.DWG
DRAWN BY:
J.R.K.
CHECKED BY:
B.R.B.

DATE:
10-29-19
REVISIONS:



X3

**Village of Maple Bluff
18 Oxford Place
Madison, WI 53704**

Re: Sump Pump Discharge Connections
Resident Information

Dear Property Owner:

Some properties located within the Village have sump pumps connected to the sanitary sewer. These sump pumps collect clean waters, i.e., stormwaters. Clean water discharges into the Village's sanitary sewer system are prohibited under Village ordinances; and sump pumps connected to the sanitary sewer must be eliminated. Otherwise, substantial fines and penalties could be imposed.

The Village is submitting this letter to property owners to assist them in considering possible alternative ways to address problems associated with sump pump discharges. The intent of this document is to set forth options and provide relevant information.

I. Alternatives:

1. Direct flow to a grassed area. Disconnect the sump pump from the sanitary sewer and discharge onto a yard. This is the best option in that it encourages infiltration of water into lawn space (i.e. "recycles"); and has the fewest potential consequences due to pump failure. However, in some cases, lawn areas cannot accommodate the flows involved, and localized ponding or overflow onto sidewalks and streets occurs. In such event, Alternative 2 may be appropriate.
2. Discharge to Storm Sewer. If Alternative 1 is not practical, the homeowner may choose to directly connect the sump pump discharge line to the Village storm sewer system. In this circumstance, the homeowner would be required to connect the sump pump to a type of building sewer, which would convey the clear water discharges from the sump pump through this lateral to a point of connection with a stormwater pipe/main to be installed by the Village within the right of way abutting your property. The installation of the building lateral and its connection to the public stormwater sewer would be done solely at the homeowner's cost. **All work within the Village right-of-way connecting to Village infrastructure (pipes, inlets, manholes, etc.) will be done by the Village or the Village's contractor, with all construction, engineering, inspection and administration costs billed to the homeowner.** The homeowner must follow the following Village requirements. **A sketch must be reviewed and approved by the Village before beginning construction.** Please note the following with respect to the alternative.
 - a. Technical requirements
 - i. An air break in the discharge line must be installed and maintained immediately downstream of the building wall penetration.
 - ii. At least one check-valve must be installed and maintained inside the building, downstream of the sump pump discharge (two are recommended as a fail-safe).

- iii. A minimum diameter of four inches is recommended to minimize the chances of blockage.
- iv. The discharge line may be connected either to a Village storm sewer inlet, storm sewer manhole, or sump pump discharge header. No other connections will be allowed. There are some areas of the Village where none of those items exist.
- v. All connections to Village storm sewer structures or sump pump discharge headers must be cut cleanly and constructed so as not to impede the flow through the structure or sump pump discharge header. All connections must be water-tight (either utilizing non-shrink grout or rubber-gasket seals). The discharge line must be cut flush with the internal wall of structures or utilize a factory wye (or tee) connection on the discharge header.
- vi. Homeowners may, at their expense, construct a new inlet or manhole on an existing storm sewer pipe where none exist to allow for a sump pump connection. Similarly, a homeowner may extend or construct a new sump pump discharge header to facilitate such a connection.

b. Risks

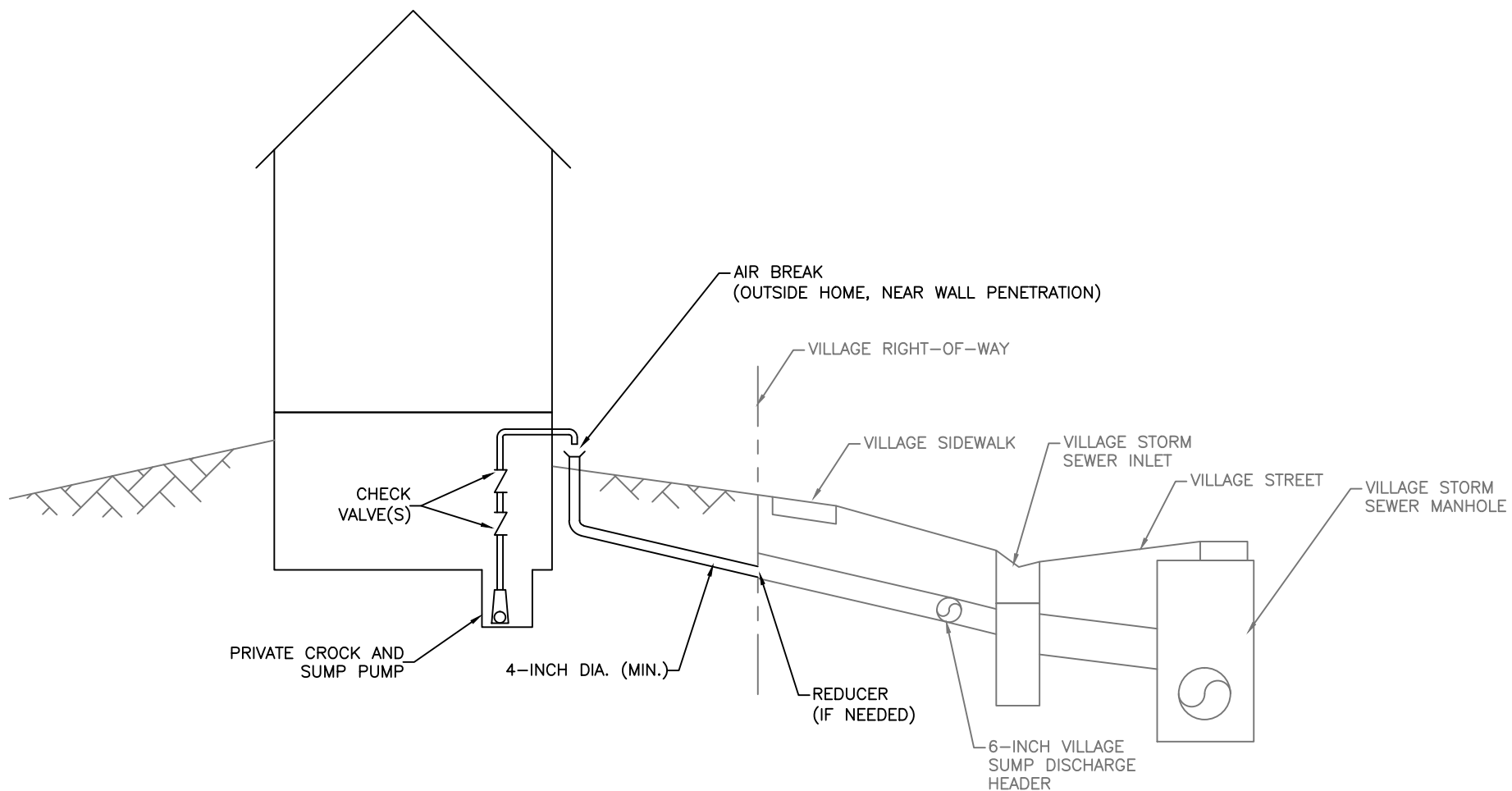
- i. Connecting a sump pump discharge line to the Village storm sewer system may result in stormwater backing up into a basement or crawlspace. This may be avoided if a backflow valve is installed.
- ii. Backups can be caused by blockages in the Village storm sewer pipes, inlets, manholes, or sump pump discharge headers.
- iii. Blockages can result from accumulation of mud, slush, ice, sand, and other debris, even in well-maintained pipes.
- iv. Winter weather may cause the Village storm sewer pipes, inlets, manholes, or sump pump discharge headers to completely freeze shut.
- v. Rain events may cause the Village storm sewer pipes, inlets, manholes, or sump pump discharge headers to become overwhelmed with flow, causing backups and ponding.
- vi. Siphoning action can occur if a check-valve fails while the standing water exists in the Village storm sewer system. This could potentially fill an entire basement with water.

- c. Contractors. There are many contractors available to perform the necessary work outside of Village right-of-way. A building/plumbing permit will be needed from the Village. Following are several that have performed similar work. Homeowners may also arrange for a contractor not listed below.

- 1. South Central Construction: 608-274-8600
- 2. Joe Daniels Construction: 608-271-4800
- 3. Prairie Plumbing: 608-643-8531

II. Conclusion:

Clear water discharges must be eliminated from the sanitary sewer systems because of the legal prohibitions prohibiting such types of cross connections. As a result, it is the responsibility of the property owner to provide for alternative means for disposal. This letter sets forth two such alternatives, both of which involve inherent risks. The sump pumps may fail for whatever reasons; backup and downstream liens may occur; there could be power failures, together with a whole host of other events that could result in water accumulating in your property, and thereby causing damage. These are all risks associated with your obligation to deal with the proper disposal of clear water discharges. Hopefully, this letter will provide you some assistance in determining what alternative is right for you.



VILLAGE OF MAPLE BLUFF

SUMP PUMP DISCHARGE HEADER CONNECTION DETAIL

ALL WORK WITHIN RIGHT-OF-WAY WILL BE PERFORMED BY VILLAGE, AT RESIDENT EXPENSE



Village of McFarland
Potential Future CIP
10/14/2019

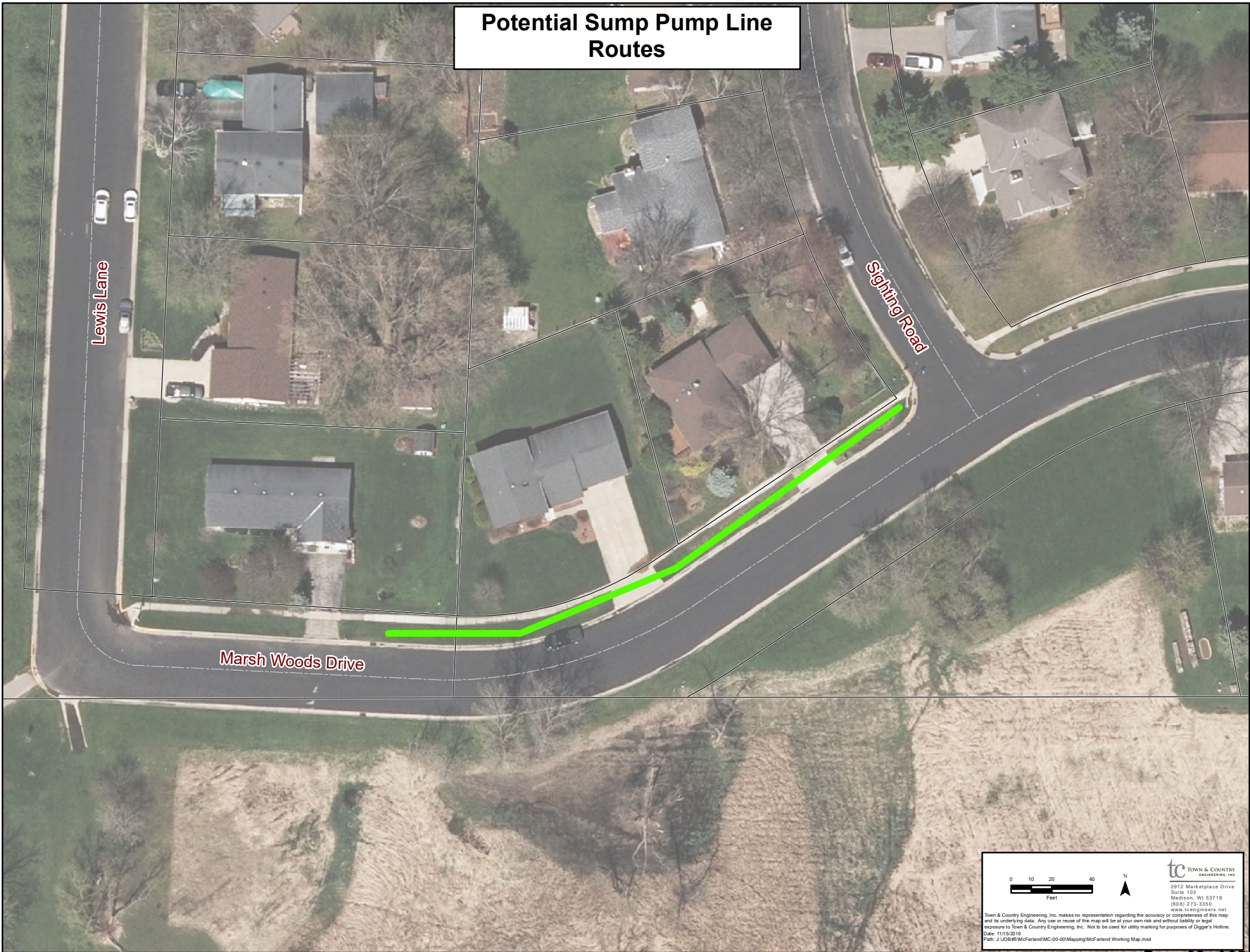
Available Funds

	Water	Sanitary	Storm	Streets	
Dredging			\$ -		
Pedestrian Ways			\$ 100,000	\$ 100,000	
Street Construction	\$ 634,500			\$ 662,000	
	\$ 634,500	\$ -	\$ 100,000	\$ 762,000	\$ 1,496,500
Base Bid	\$634,430	\$0	\$186,657	\$492,583	\$ 1,313,669
Alternate Bid	\$0	\$0	\$0	\$351,260	\$ 351,260

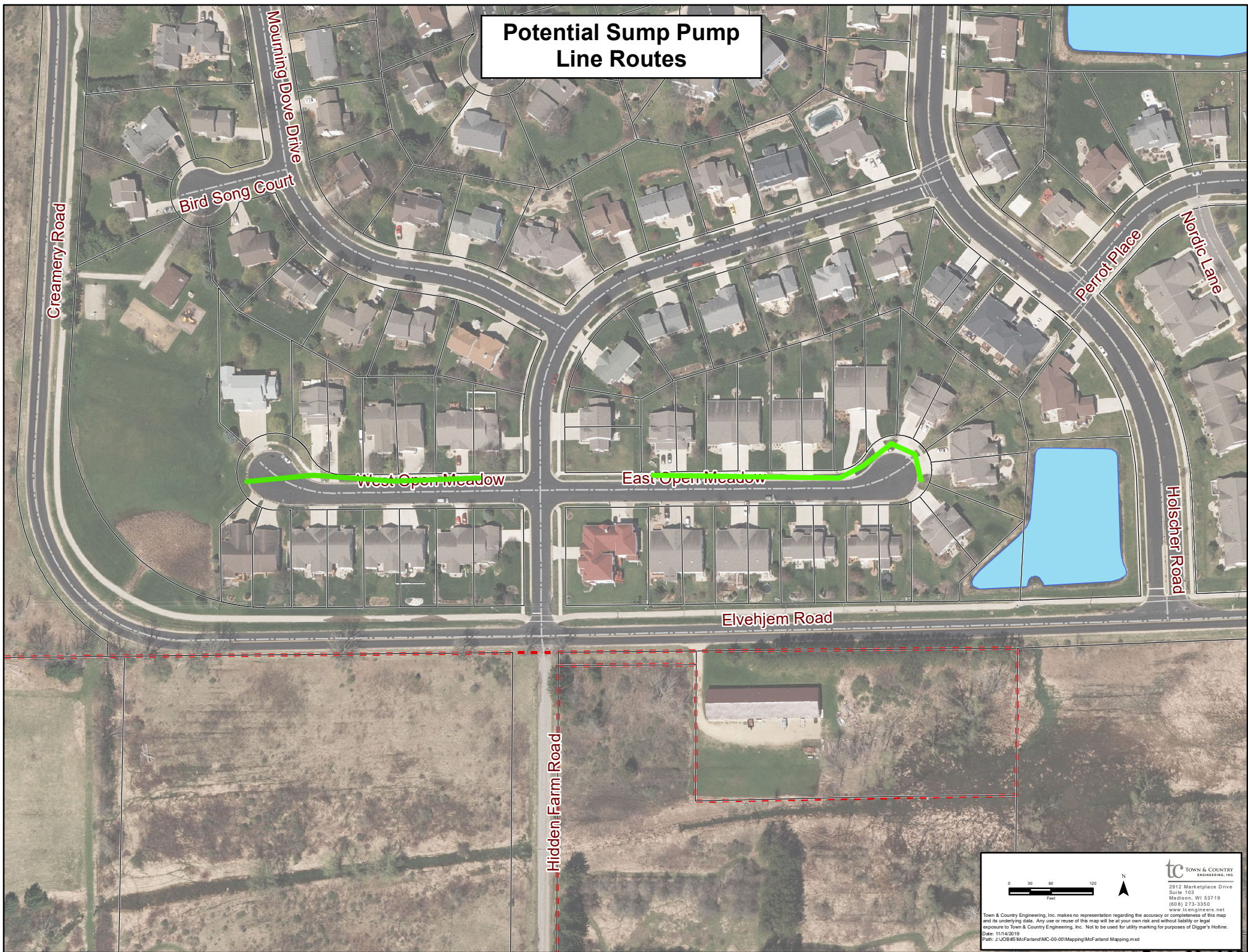
	Street/Utility Projects	Project Limits	Scope	Water	Sanitary	Storm	Utility Total	Streets	Project Total
2020	Sighting Road	Marsh Woods Drive	Sump pump header extension			\$21,485	\$21,485		\$21,485
2020	Open Meadow	E & W of Hidden Farm	Sump pump header extension			\$85,295	\$85,295		\$85,295
2020	Burma Road	Water tower drive to USH 51	Spot curb repair, water main replacement, pavement pulverize/resurface, 50% sanitary	\$399,174			\$399,174	\$139,517	\$538,691
2020	Autumn Lane	Timber Drive to Main Street	Spot curb repair, water main replacement, pavement pulverize/resurface	\$235,256			\$235,256	\$353,066	\$588,321
2020 Alt.	Creamery Court	Creamery Road to dead end	Spot curb repair, pavement pulverize/resurface				\$0	\$351,260	\$351,260
2020	Elvehjem Road path	Creamery Road to Holscher Road	Ditch and drainage improvements, path rehab			\$79,877	\$79,877		\$79,877
2021	CTH MN Phase 4 (**Village Share)	Holscher Road to CTH AB	Total reconstruction, full curb/sidewalk, water main extension	\$570,969		\$303,767	\$874,736	\$430,042	\$1,304,778
2021	Marsh Road	Siggelkow to Eighmy	Spot curb repair, pavement pulverize/resurface				\$0	\$436,227	\$436,227
2021	Paulson Road	Siggelkow Road to Dead end at gates	Full Curb, 1-side sidewalk, water main replacement, pavement reconstruct, 50% sanitary	\$363,770	\$119,535	\$122,397	\$605,701	\$770,179	\$1,375,880
2021	South Court	Lake Edge Road to end	Raise street for flood mitigation				\$0	\$21,156	\$21,156
2021	Creamery Road	Creamery Court to east of Creamery Court	Pavement pulverize/resurface, ditch and drainage improvements, path rehab			\$62,014	\$62,014	\$122,607	\$184,622
2023	Hidden Farm Road	Elvehjem Road to Orchard Hill Park drive	Drainage improvements, utility extension, street improvements	\$122,450	\$116,635	\$12,705	\$251,790	\$162,971	\$414,761
2024	Exchange Street (**Village Share, after grant)	CTH MN to Village Limits	Total reconstruction of curb/sidewalk, water main and sanitary sewer replacement	\$701,090	\$801,362	\$365,514	\$1,867,966	\$597,984	\$2,465,950

Site Projects								
Well 1 Maintenance		Pull column and inspect, televise well	\$20,000			\$20,000		\$20,000
Well 3 Maintenance		Pull column and inspect, televise well	\$20,000			\$20,000		\$20,000
Well 4 Maintenance		Pull column and inspect, televise well	\$20,000			\$20,000		\$20,000
Well 1 Upgrades		Address items listed in Sanitary Survey	\$173,000			\$173,000		\$173,000
Well 3 Upgrades		Address items listed in Sanitary Survey	\$236,000			\$236,000		\$236,000
Well 4 Upgrades		Address items listed in Sanitary Survey	\$141,000			\$141,000		\$141,000
Burma tower upgrades		Address items listed in Sanitary Survey	\$20,000			\$20,000		\$20,000
Holscher tower upgrades		Address items listed in Sanitary Survey	\$21,000			\$21,000		\$21,000
Well Backup Plans/Efficiency Study			\$5,000			\$5,000		\$5,000
Water Tower		Cleaning, inspections	\$10,000			\$10,000		\$10,000
I/I Study			\$21,500			\$21,500		\$21,500
Sewer User Charge Study			\$5,000			\$5,000		\$5,000
LS #2 Upgrades		Construct replacement lift station as part of east side capacity upgrade		\$800,000		\$800,000		\$800,000
LS #2 Forcemain Upgrades		Pigging, replace Air Relief MH		\$35,000		\$35,000		\$35,000
Babcock Park forebay dredging					\$102,747	\$102,747		\$102,747
Calico Court swale cleaning					\$67,158	\$67,158		\$67,158
Dog Park water extension			\$10,000			\$10,000		\$10,000

Potential Sump Pump Line
Routes



Potential Sump Pump
Line Routes





VILLAGE BOARD SUMMARY SHEET

MEETING DATE: Tuesday, November 19, 2019

SECTION: Business

DEPARTMENT: Public Works

CONTACT: Jim Hessling, Public Works Director

AGENDA ITEM: Presentation of the Public Works Monthly Report from the Director.

PREVIOUS ACTION:

ISSUE SUMMARY:

FINANCIAL/BUDGET IMPACT:

VILLAGE PLAN REFERENCE:

ORDINANCE REFERENCE:

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

ATTACHMENTS:

1. October 2019 directors report

PUBLIC WORKS COMMITTEE

November 19, 2019

PUBLIC UTILITIES COMMITTEE

November 19, 2019

PARKS, RECREATION & NATURAL RESOURCES COMMITTEE

November 2019 – no meeting

**Public Works Directors Report
for
October 2019**

The following is information concerning events and activities of the Public Works Department along with the Water and Sewer Utilities for the previous month. This information is provided in brief to provide an overview of the highlights.

Repaired Watermain Valves and Leaks

An outside contractor performed a couple of watermain repairs for the department, as large dewatering equipment was needed.

Flooding

Minor flooding the night of Oct 1, 2019 occurred. We experienced increased sanitary sewer pump run times along with water up and over the sanitary sewer manhole on South Court, which was sandbagged.

Equipment

Plowing equipment has been installed on the trucks.

Snow Events

The department handled various snow events as listed below.

- October 29 1st snow of the season - very minor salting - Terminal Drive bridge and 1 intersection along CTH AB
- October 31 plow and salt event ~3 inches of snow fell

2019 Street Re-Construction Project

The 2019 street reconstruction project is mostly completed. Maddrell Excavating was delayed by their cement contractor and the weather. Paving on most streets was completed, with some streets being left in binder. Surface asphalt will be completed in the spring along with the associated landscape work.

Flushing

Dead end hydrant flushing was completed in October.

Conference

The department hosted the statewide 2019 APWA Fall Conference in Warrens. The event was very successful.

Meetings/Training/Seminars

Aimee Irwin attended an open records training session and Utility University workshop
Spencer Warrenburg and Sayer Larson attended an Urban Forestry Workshop
Dave Pospyhalla attended the WI Wastewater Operators Conference
Most of the PW staff attended a Diversity/LGBT training session
Most of the PW staff attended a Harassment training session

Hessling participated in the following:

- APWA monthly board meeting
- Waterworks class on employee retention