

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

Tuesday, March 10, 2020

6:00 PM

**McFarland Municipal Center
*Conference Room A***

AGENDA

1. CALL TO ORDER, ROLL CALL.
2. PUBLIC APPEARANCES.
3. BUSINESS.
 - a. Discussion and action to make a recommendation to the Village Board regarding the award of contract for the 2020 Street and Utility Improvements project(s).
 - b. Discussion and action to make a recommendation to the Village Board regarding the award of contract for the 2020 Stormwater and Path Improvement project(s).
 - 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, March 10, 2020

SECTION: Business

DEPARTMENT: Public Works

CONTACT: Jim Hessling, Public Works Director

AGENDA ITEM: Discussion and action to make a recommendation to the Village Board regarding the award of contract for the 2020 Street and Utility Improvements project(s).

PREVIOUS ACTION:

ISSUE SUMMARY:

The Village Board adopted the 2020 Budget including the Capital Projects Fund at its meeting on November 25, 2019. The following summary pertains to the 2020 Street & Utility Improvements.

This proposed work includes, but is not limited to, the replacement of watermain, pulverizing asphalt pavements and various concrete curb and gutter work. This work will take place in the following areas:

Autumn Lane, North Autumn Lane, Burma Road and Creamery Court.

This project was advertised and bids were received and opened by the bid deadline of March 5, 2020. At the time of this writing, the low bid is being tabulated and reviewed by Town & Country Engineering. All bidders on this project are required to be pre-qualified before submitting bids.

The bid notification, plans for the project and bid tabulation are attached. A recommendation of a contractor will be made available at the meeting for your review and approval.

FINANCIAL/BUDGET IMPACT:

VILLAGE PLAN REFERENCE:

ORDINANCE REFERENCE:



BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

ATTACHMENTS:

1. 00 10 10 Advertisement for Bidders MC 158
2. 2020 Street and Utility Improvements
3. 00 41 00 Bid Forms- mc158

ADVERTISEMENT FOR BIDS

PROJECT: **2020 STREET & UTILITY IMPROVEMENTS**

OWNER: Village of McFarland
 5915 Milwaukee Street, P.O. Box 110
 McFarland, WI 53558

CONTRACTS AND BID DEADLINE:

Sealed bids for a single contract for street and utility improvements will be received by the Village of McFarland in the McFarland Village office until 10:30 a.m. local time on March 5, 2020. Bids will be publicly opened and read aloud immediately thereafter in the Village Board of Trustees meeting room.

The contract consists of the following approximate quantities:

10-inch D.I. Water Main	2,100 lineal feet
Pulverizing Asphalt Pavements	13,000 square yards
Concrete Curb & Gutter Replacement	1,000 lineal feet

Appurtenances to the above construction items, such as service laterals and manhole adjustments are included, but are not listed above. The quantities are subject to change without notice prior to document distribution.

CONTRACT DOCUMENTS:

The Contract Documents, consisting of Advertisement for Bids, Instructions to Bidders, Bidder's Proof of Responsibility, Bid Proposal Form, Affidavit of Organization and Authority, Bid Bond (in the amount of 5% of the maximum amount of the bid), Notice of Award Form, Agreement Form, Notice to Proceed Form, Performance/Payment Bond (100%), Certificate of Insurance, General Conditions, Supplementary Conditions, Technical Specifications, Drawings and Addenda (if any) may be examined at the following locations:

Village of McFarland
5915 Milwaukee Street, P.O. Box 110
McFarland, WI 53558

Town & Country Engineering, Inc.
2912 Marketplace Drive, Suite 103
Madison, WI 53719

Copies of the Contract Documents and the Construction Plans may be obtained at the office of Town & Country Engineering, Inc., 2912 Marketplace Drive, Suite 103, Madison, WI 53719. There is a ***\$40 non-refundable*** copying and distribution charge for these documents. Electronic bidding documents are available on-line at Questcdn.com, Project No. 6825590 for \$30. This fee includes access to submit a bid on-line via Questcdn.

QUALIFICATIONS:

Bidders must be pre-qualified with the Village of McFarland within the last year or must be pre-qualified for this work 5 days prior to the bid deadline in accordance with Section 66.0903 of the Wisconsin Statutes. Each bidder must deposit, with his bid, security in the amount of 5% of the maximum bid amount. Bidders must be experienced in municipal pipeline construction.

RIGHTS RESERVED:

The Village of McFarland reserves the right to reject any and all bids and to waive informalities in any bid.

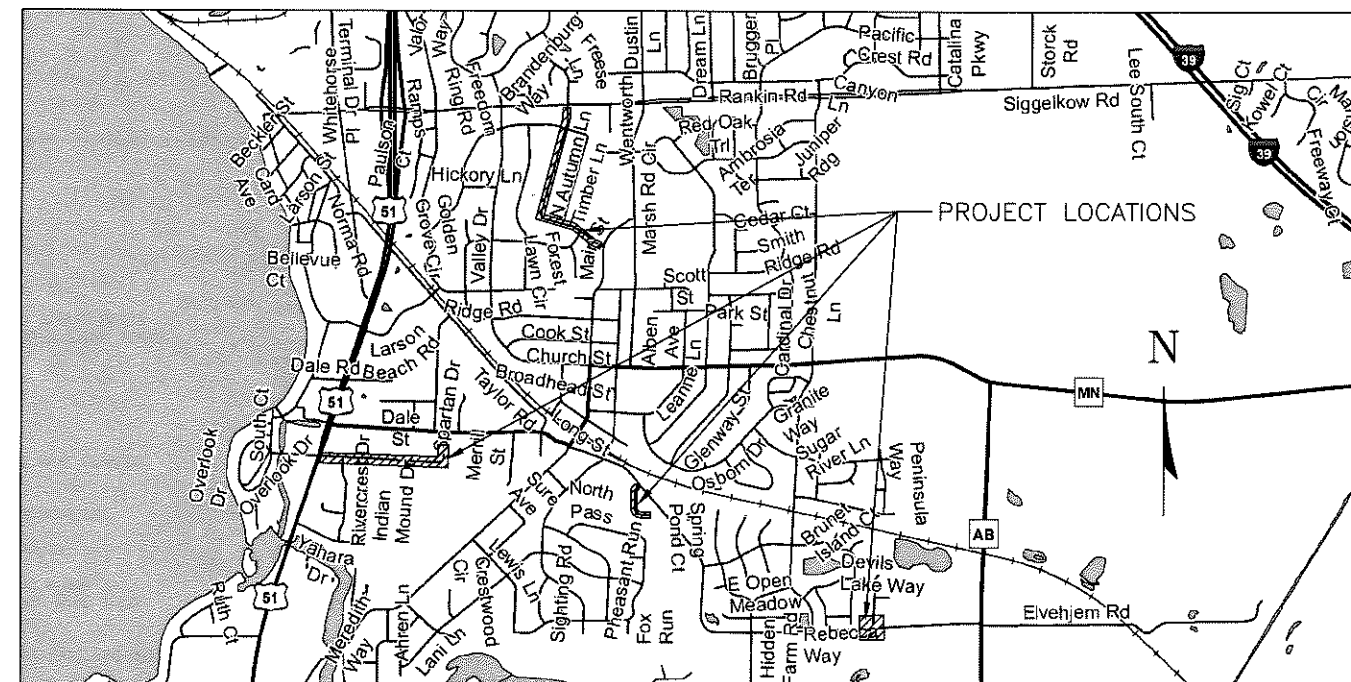
Published by the authority of:
Matthew Schuenke, Village Administrator
Village of McFarland

2020 STREET AND UTILITY IMPROVEMENTS

BURMA ROAD, AUTUMN LANE, & CREAMERY COURT

Village of McFarland, Wisconsin

SHEET INDEX	
SHEET NO.	SHEET DESCRIPTION
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2	EROSION CONTROL PLAN BURMA ROAD
3	STANDARD CONSTRUCTION DETAILS EROSION CONTROL
4	PLAN & PROFILE - BURMA ROAD STATION 10+00 TO STATION 16+00
5	PLAN & PROFILE - BURMA ROAD STATION 15+60 TO STATION 21+60
6	PLAN & PROFILE - BURMA ROAD STATION 21+60 TO STATION 27+00
7	PLAN & PROFILE - AUTUMN LANE MAIN STREET TO STATION 64+60
8	PLAN & PROFILE - AUTUMN LANE STATION 64+60 TO TIMBER LANE
9	PLAN VIEW - DOG PARK WATER SERVICE
10	PLAN VIEW - RESURFACING AUTUMN LANE & N. AUTUMN LANE
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12	WATER MAIN - STANDARD CONSTRUCTION DETAILS
13	STREET IMPROVEMENTS - STANDARD CONSTRUCTION DETAILS



NO SCALE

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EROSION CONTROL NOTES:

- LOCATIONS MARKED WITH "■" TO RECEIVE INLET FILTER PROTECTION DURING CONSTRUCTION. ALL NEW STREET INLETS MUST ALSO RECEIVE INLET FILTER PROTECTION. IF NO INLET IS AT THE MARKED LOCATION, CONSTRUCT A STONE CHECK DAM IN GUTTER LINE.
- 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 FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.

- 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.
- 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 VILLAGE. SEPARATE SWEEP 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.
- 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/>

2912 Marketplace Drive
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**TOWN & COUNTRY**
ENGINEERING, INC.

EROSION CONTROL PLAN & GENERAL NOTE
NORTH AUTUMN LANE

2020 STREET AND UTILITY IMPROVEMENTS
BURMA ROAD, AUTUMN LANE, &
CREAMERY COURT
Village of McFarland, Wisconsin

PROJECT NO.:
MC 158
DRAWING FILE:
MC 148 SHEETS.DWG
DRAWN BY:
M.J.M.
CHECKED BY:
T.J.S.
DATE:
2-19-20
REVISIONS:
SCALE:

SHEET:
1



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EROSION CONTROL PLAN
BURMA ROAD

2020 STREET AND UTILITY IMPROVEMENTS
BURMA ROAD, AUTUMN LANE, &
CREAMERY COURT
Village of McFarland, Wisconsin

PROJECT NO.:
MC 158

DRAWING FILE:
BURMA SHEETS.DWG

DRAWN BY:
M.J.M.

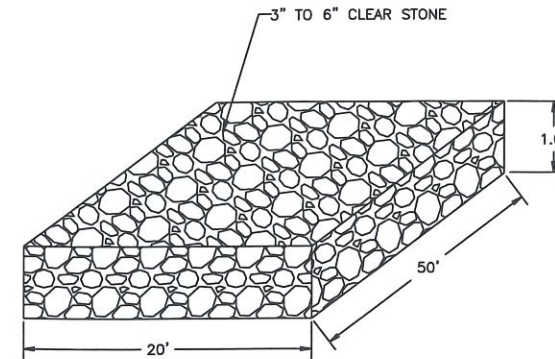
CHECKED BY:
T.J.S.

DATE:
2-18-20

REVISIONS:

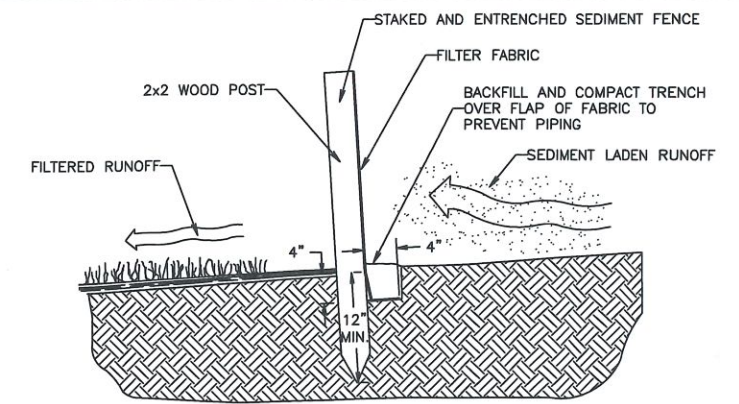
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2

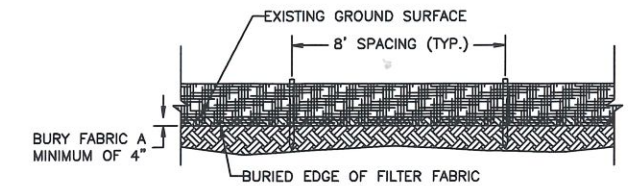


NOTE:
- ON STREET SURFACES
CRUSHED AGGREGATE BASE STONE
SERVES AS TRACKING PAD.

DETAIL
CLEAR STONE TRACKING PAD

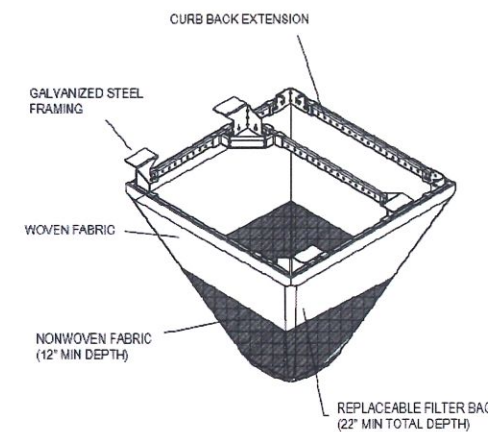


CROSS-SECTION OF A PROPERLY INSTALLED SEDIMENT FENCE



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:

- BYPASS OVERFLOW THAT MEETS OR EXCEEDS INLET DESIGN FLOW
- FRAME AND BAG STRONG ENOUGH TO HANDLE FULL SEDIMENT LOAD.



INSTALLATION NOTES:

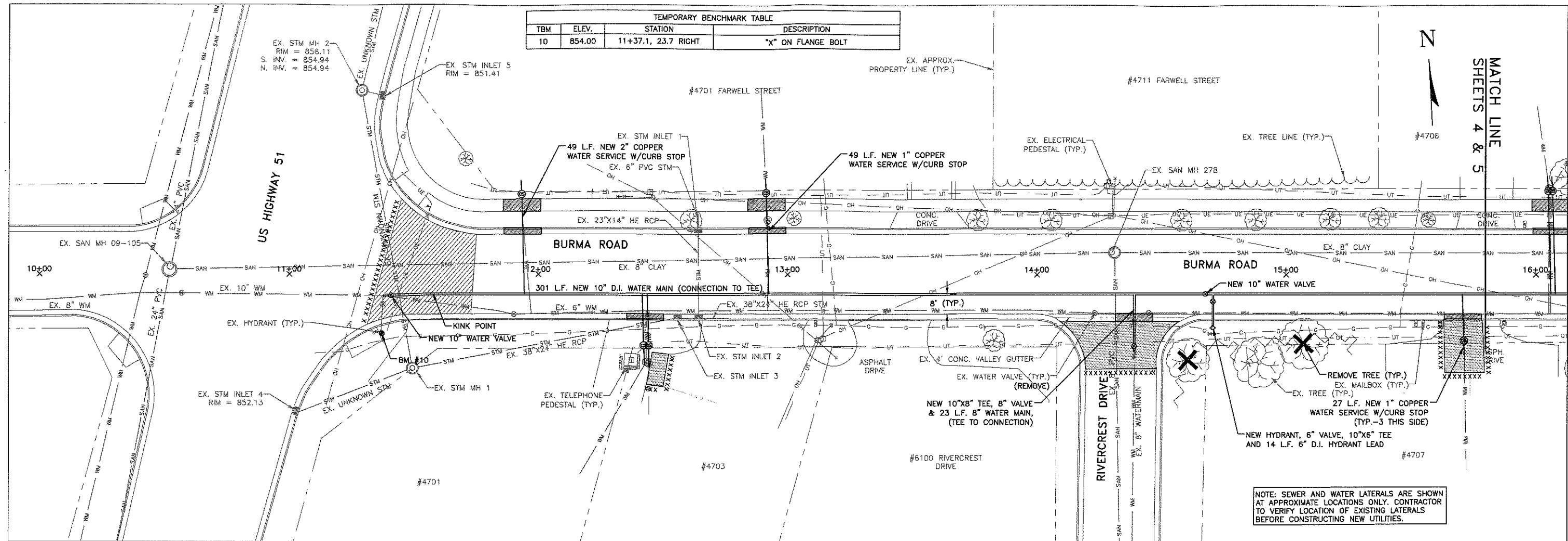
NO PART OF INLET PROTECTION SHALL BE PROJECTING ABOVE THE GRATE.

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.

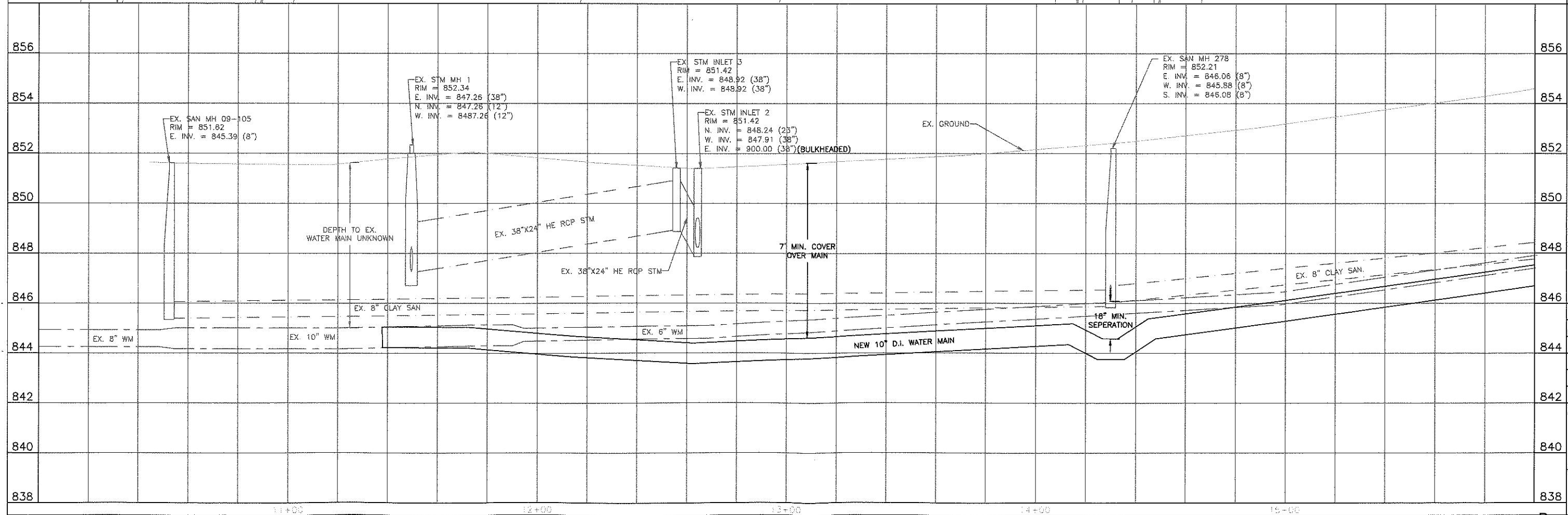
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

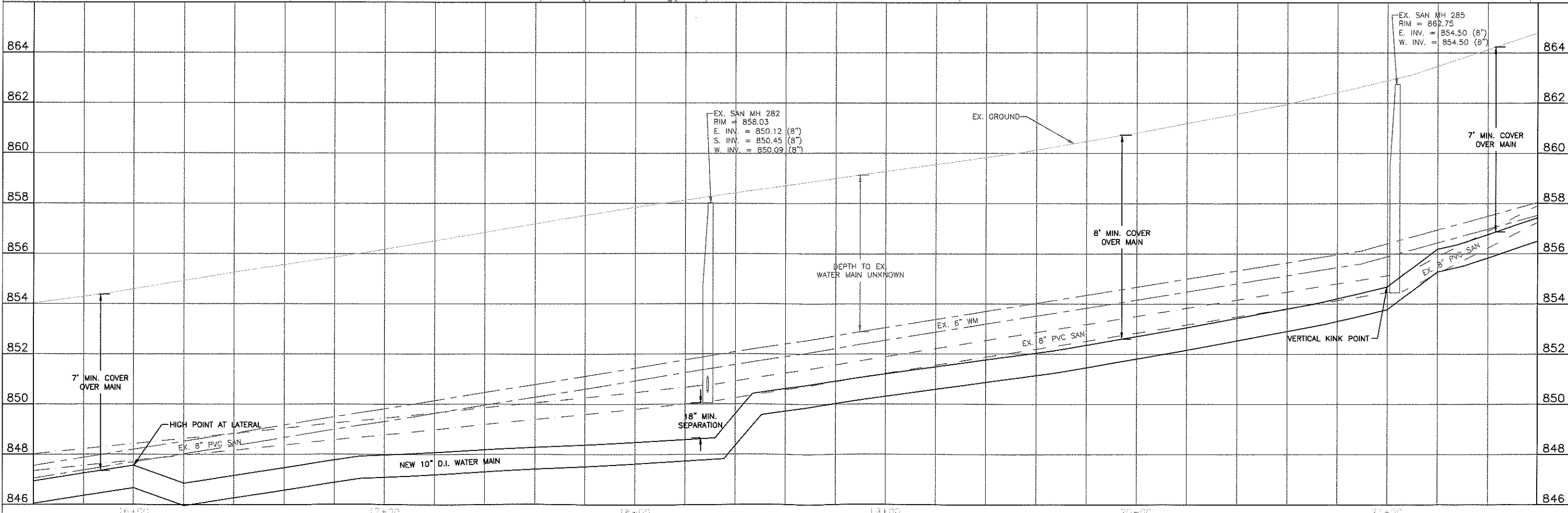
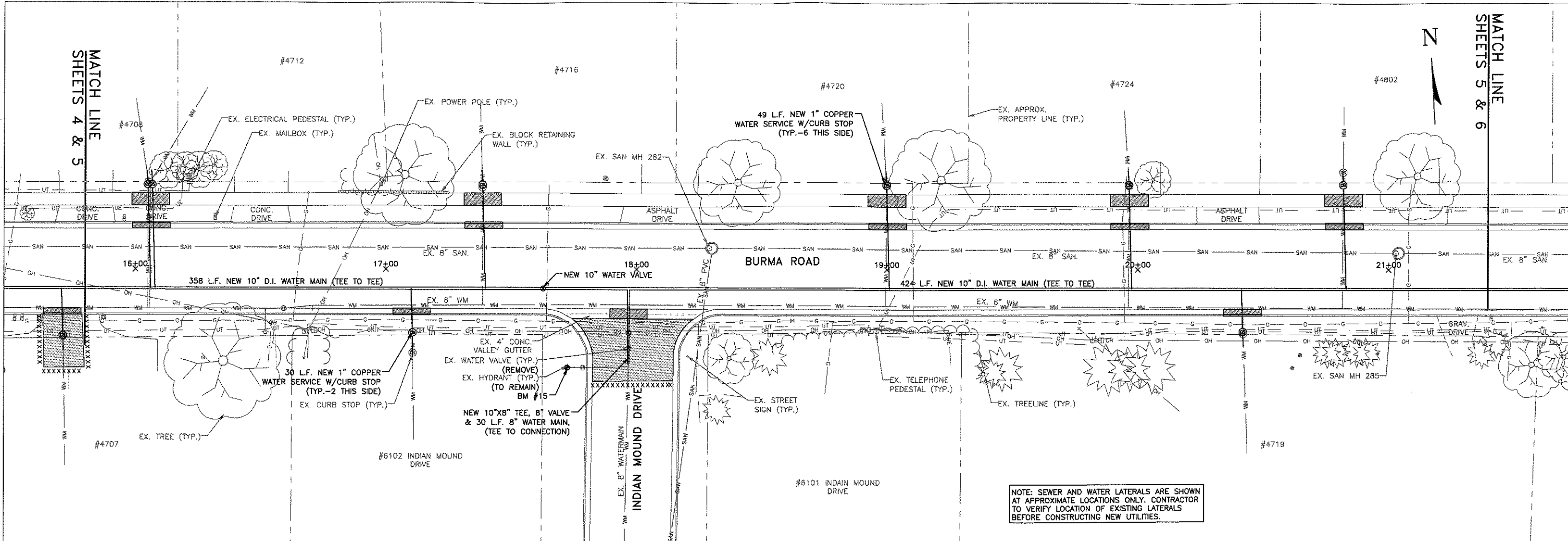
DETAIL
INLET PROTECTION - FRAMED (W/ CURB BOX)



TEMPORARY BENCHMARK TABLE			
TBM	ELEV.	STATION	DESCRIPTION
10	854.00	11+37.1, 23.7 RIGHT	"X" ON FLANGE BOLT

NOTE: SEWER AND WATER LATERALS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONTRACTOR TO VERIFY LOCATION OF EXISTING LATERALS BEFORE CONSTRUCTING NEW UTILITIES.





MATCH LINE
SHEETS 4 & 5

MATCH LINE
SHEETS 5 & 6

PLAN & PROFILE
BURMA ROAD
Station 15+60 To Station 21+60

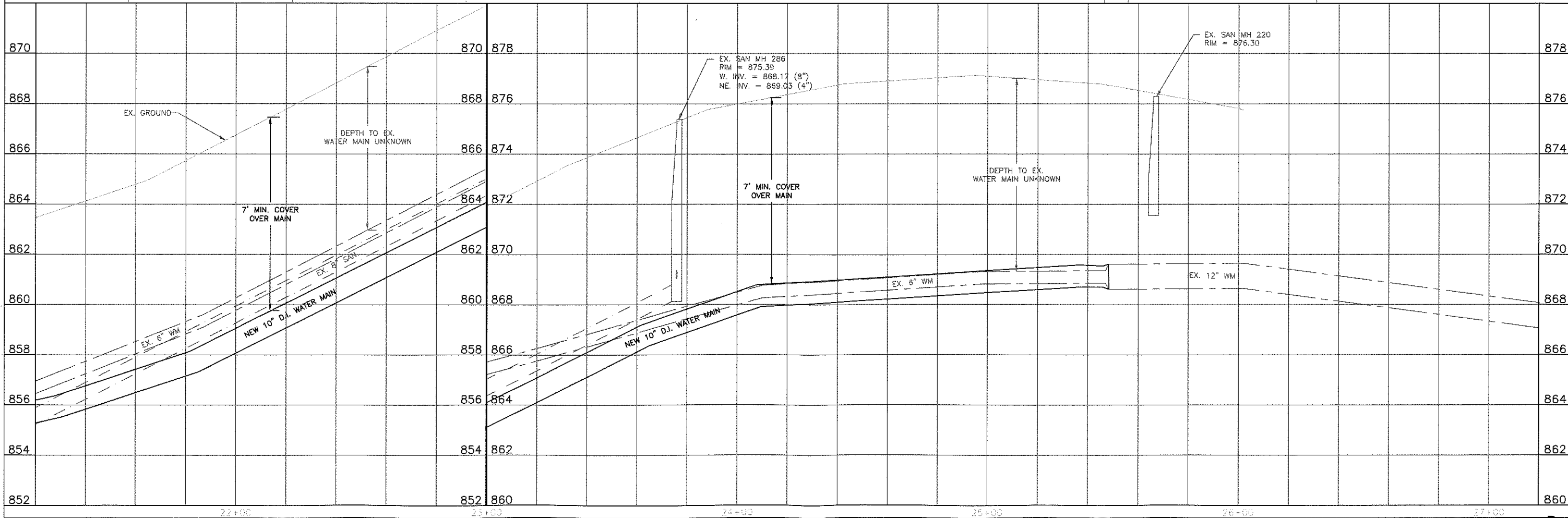
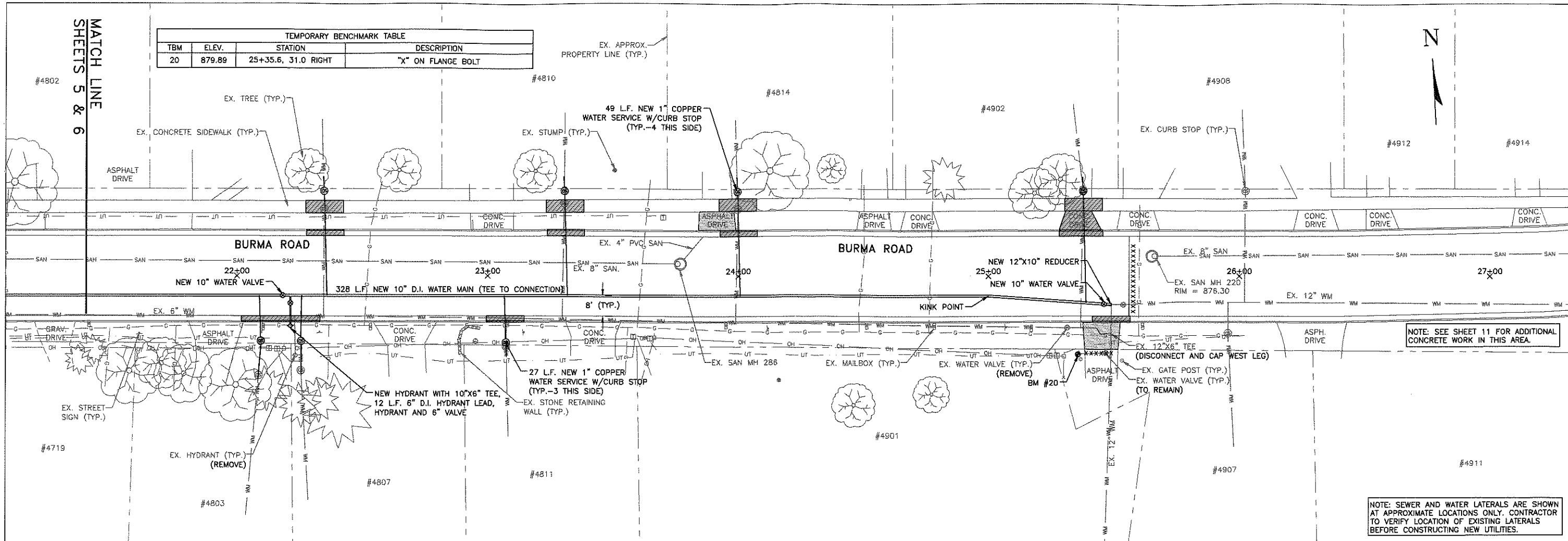
2020 STREET AND UTILITY IMPROVEMENTS
BURMA ROAD AUTUMN LANE, &
CREAMERY COURT
Village of McFarland, Wisconsin

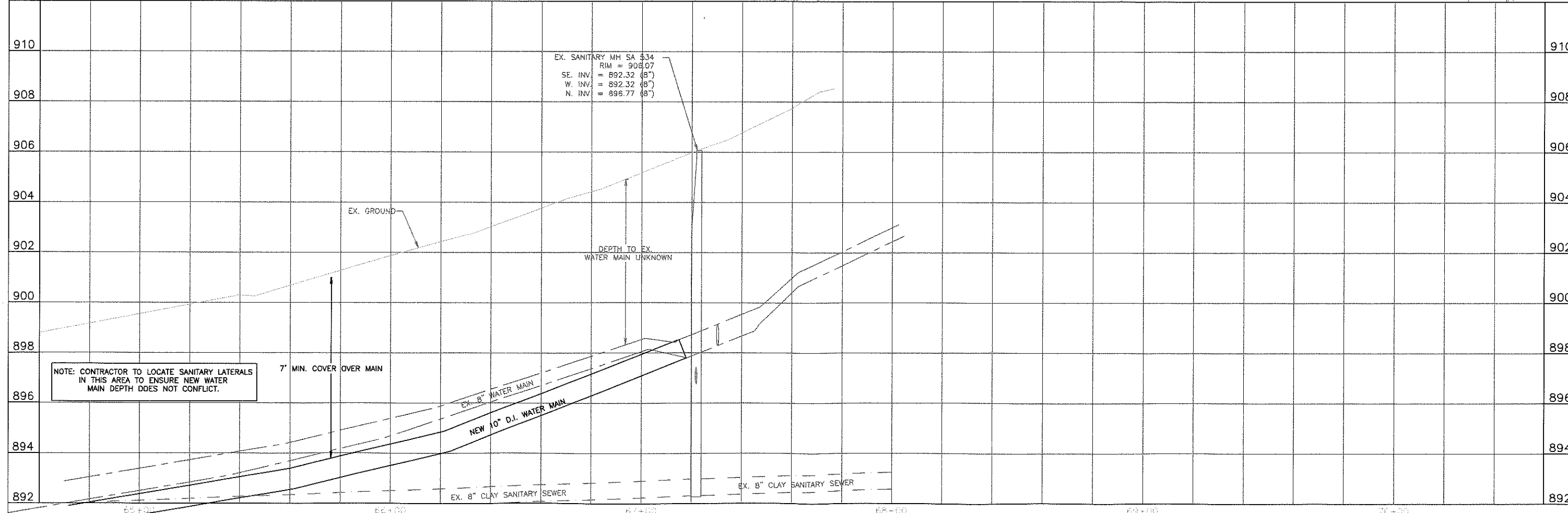
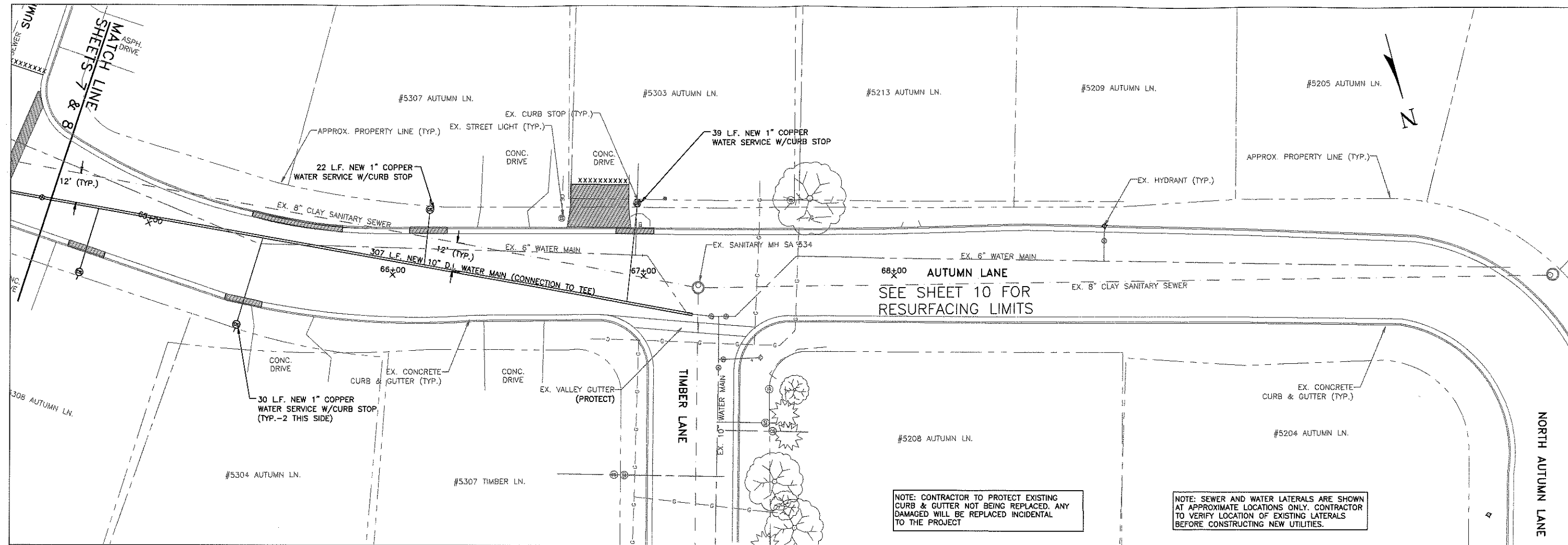
PROJECT NO.: MC 15B
DRAWING FILE: BURMA SHEETS.DWG
DRAWN BY: M.J.M.
CHECKED BY: T.J.S.
DATE: 2-19-20
REVISIONS:

SCALE: HORIZONTAL
0 5 10 20
VERTICAL
1 2
SHEET: 5

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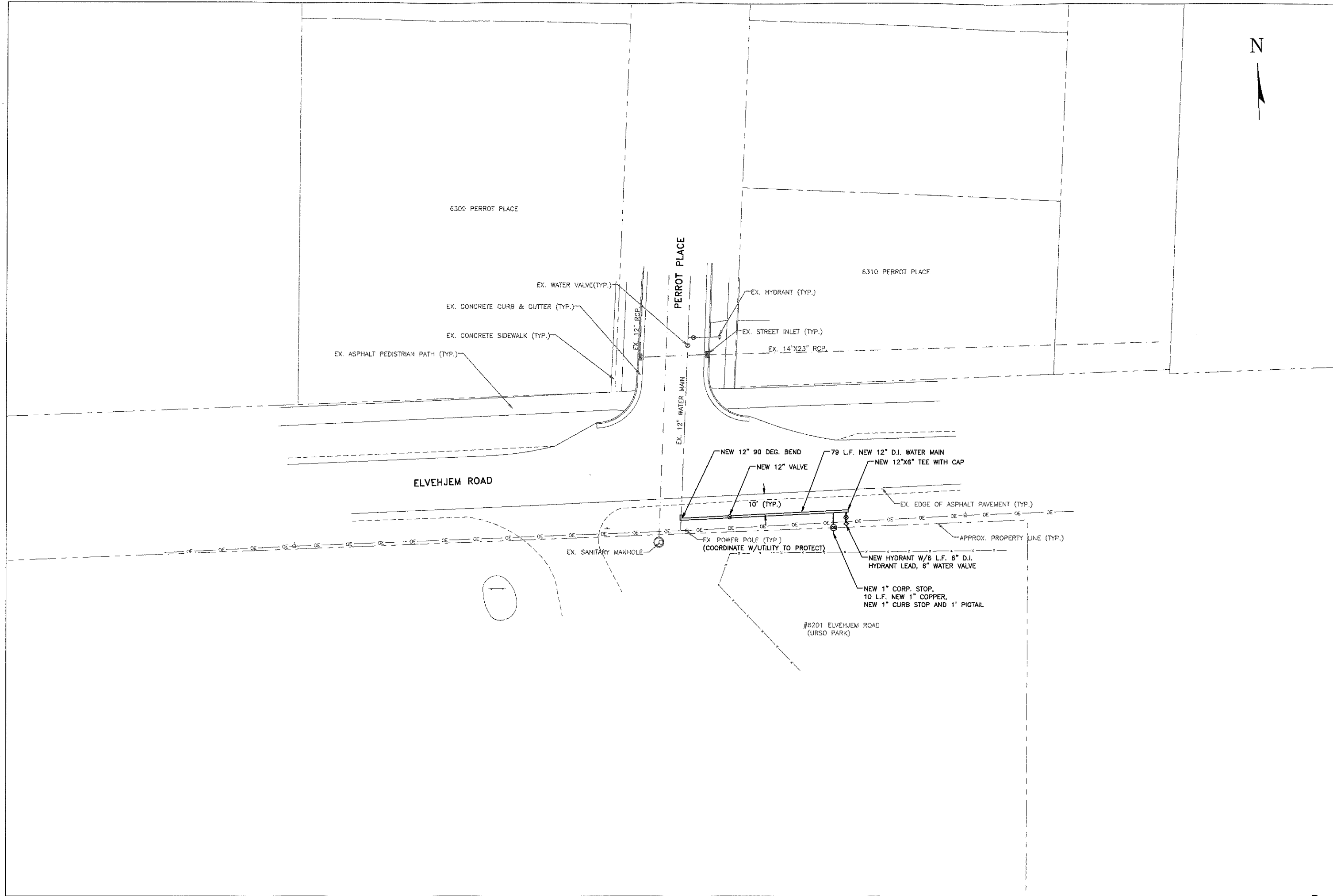
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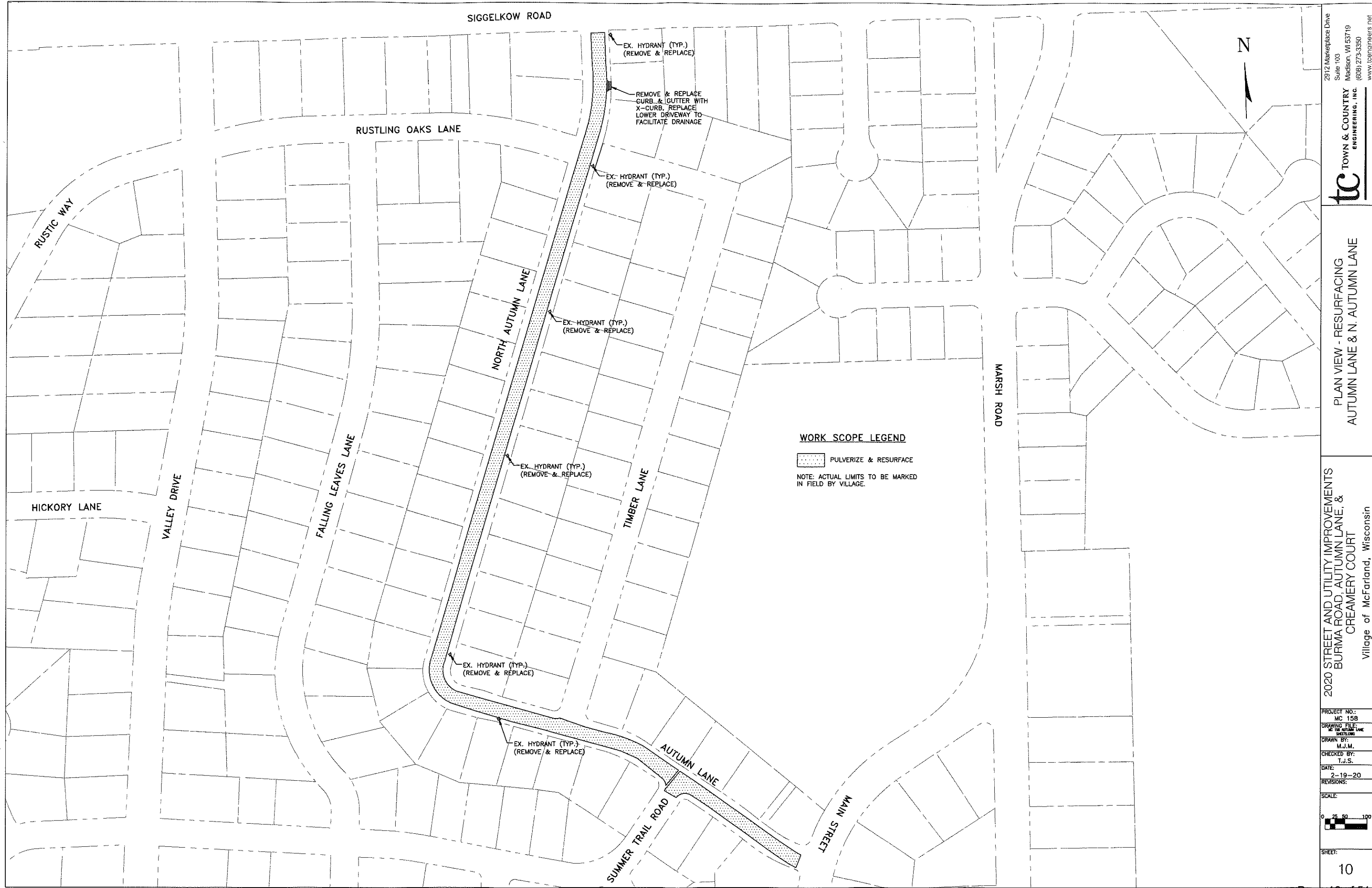
PLAN & PROFILE
AUTUMN LANE
Station 64+60 To Timber Lane

2020 STREET AND UTILITY IMPROVEMENTS
BURMA ROAD, AUTUMN LANE, &
CREAMERY COURT
Village of McFarland, Wisconsin

PROJECT NO.: MC 158
DRAWING FILE: 100 AUTUMN LANE
DRAWN BY: M.J.M.
CHECKED BY: T.J.S.
DATE: 2-19-20
REVISIONS:

SCALE: HORIZONTAL
0 5 10 20
VERTICAL
1 2
SHEET: 8





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PLAN VIEW - RESURFACING
AUTUMN LANE & N. AUTUMN LANE

2020 STREET AND UTILITY IMPROVEMENTS
BURMA ROAD, AUTUMN LANE, &
CREAMERY COURT
Village of McFarland, Wisconsin

PROJECT NO.:
MC 158

DRAWING FILE:
MC 158 - AUTUMN LANE

DRAWN BY:
M.J.M.

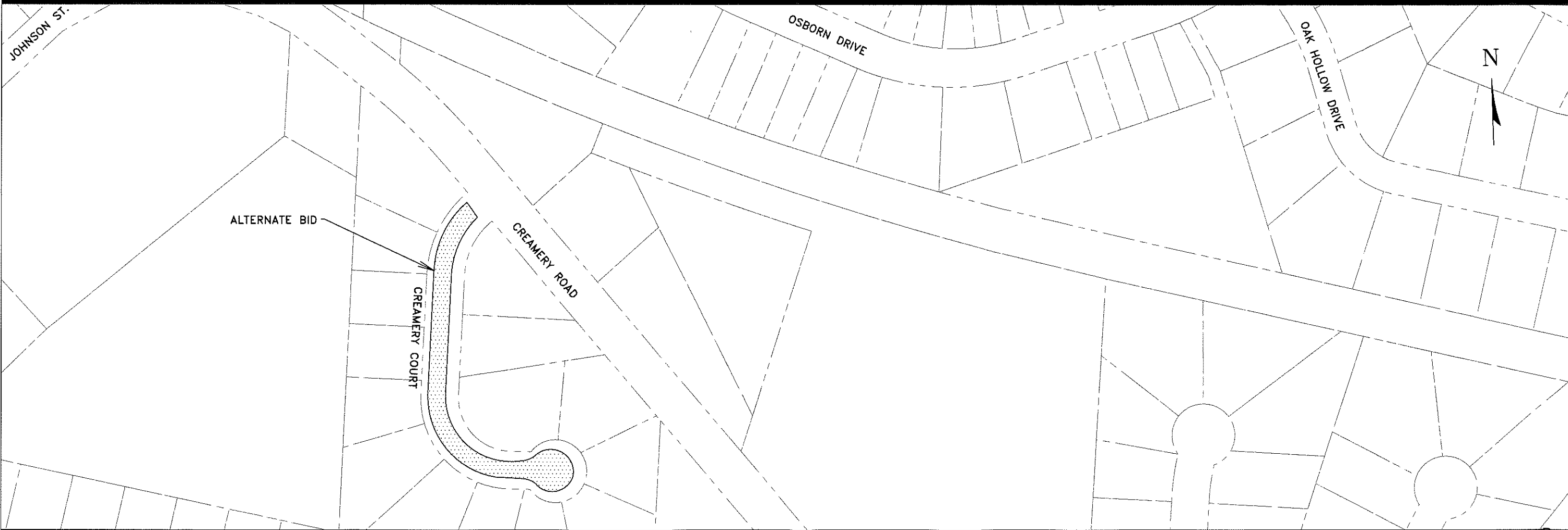
CHECKED BY:
T.J.S.

DATE:
2-19-20

REVISIONS:

SCALE:
0 25 50 100

SHEET:
10



2020 STREET AND UTILITY IMPROVEMENTS
BURMA ROAD, AUTUMN LANE, &
CREAMERY COURT
Village of McFarland, Wisconsin

PROJECT NO.:
MC 158

DRAWING FILE:
MC 158 BURMA LANE
SHEETING

DRAWN BY:
M.J.M.

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T.J.S.

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2-19-20

REVISIONS:

SCALE:
0 20 40 80

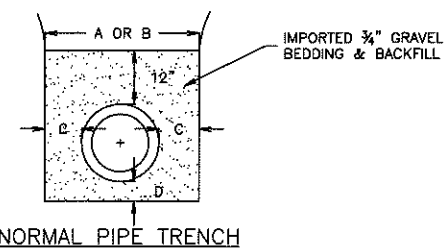
SHEET:
11

PLAN VIEW - RESURFACING
CREAMERY COURT & BURMA ROAD

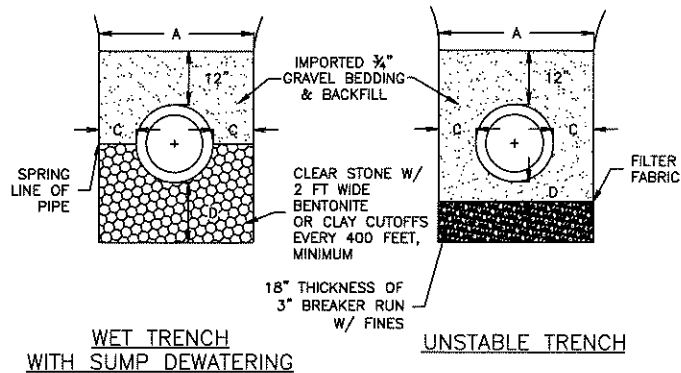
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DIMENSIONS:
A: OUTSIDE DIAMETER OF PIPE PLUS 24" MAXIMUM, EXCEPT NEED NOT BE LESS THAN 36". TRENCH SHIELDS NARROWER THAN 4 FEET INSIDE WIDTH WILL NOT BE REQUIRED UNLESS SPECIFICALLY REQUIRED IN THE PROJECT SPECIFICATIONS.
B: FOR ROCK, OUTSIDE DIAMETER OF PIPE PLUS 18" MAXIMUM, EXCEPT NEED NOT BE LESS THAN 36".
C: MINIMUM - 6"
D: MINIMUM 4" BELOW BARREL AND 3" BELOW BELL.



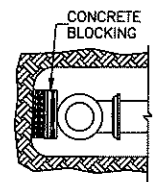
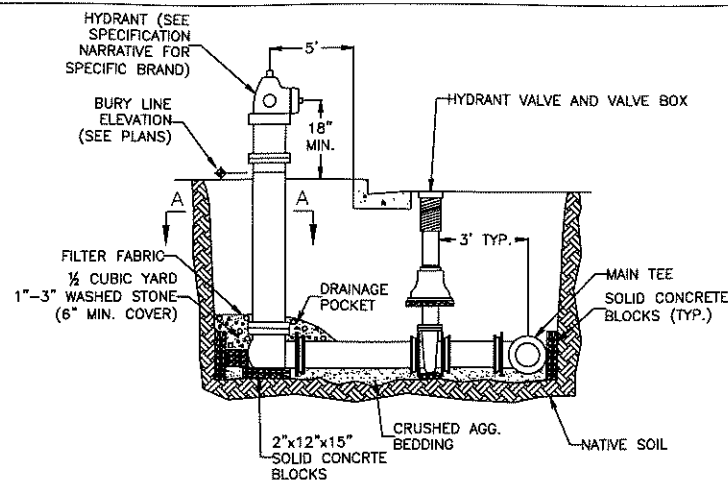
NORMAL PIPE TRENCH



WET TRENCH
WITH SUMP DEWATERING

UNSTABLE TRENCH

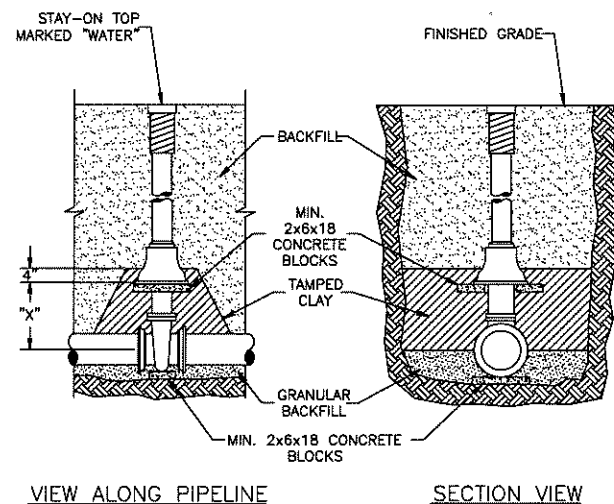
DETAIL
TRENCH WIDTH AND BEDDING



SECTION A-A

NOTES:
- THE HYDRANT AND VALVE SHALL BE CONNECTED TO THE MAIN TEE BY MEGALUGS.
- FILTER FABRIC SHALL BE WRAPPED AROUND THE DRAIN POCKET.
- WHERE THE HYDRANT IS INSTALLED AT THE HIGH POINT OF THE WATER MAIN ON MAINS 10 INCHES IN DIAMETER AND LARGER, THE CONTRACTOR SHALL TIP THE MAIN TEE UPWARDS 45 DEGREES AND USE A 45 DEGREE FITTING TO ALLOW AIR TO ESCAPE FROM THE MAIN.
- WHERE THE LOCATION OF THE HYDRANT VALVE BOX WOULD BE IN ANY PORTION OF THE CURB AND GUTTER, THE CONTRACTOR SHALL PLACE THE VALVE IN THE TERRACE AREA.

DETAIL
HYDRANT SETTING



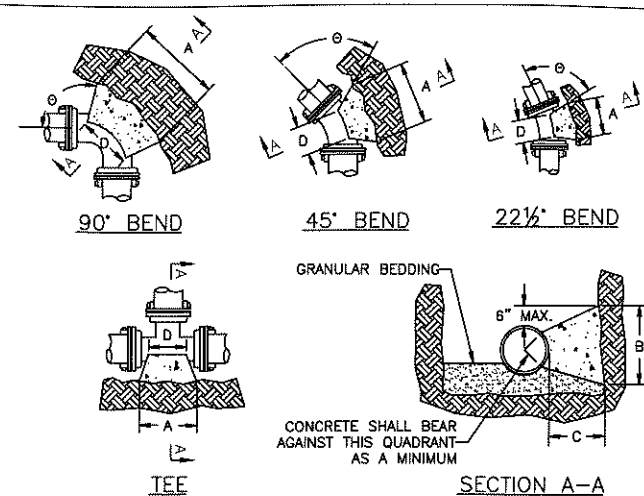
VIEW ALONG PIPELINE

SECTION VIEW

PIPE DIA., INCHES	6	8	10	12	14	16
"X" DIMENSION, INCHES	12	13	17	21	25	30

NOTES:
- SOLID CONCRETE BLOCKS MUST BE USED.
- VALVES SHALL BE SECURED WITH RODDING OR MEGALUGS TO THE NEAREST "TEE" FITTING OR TO THE FIRST JOINT CONNECTING A FULL SECTION OF WATER MAIN PIPE. SEE RODDING DETAIL "OFFSET AND RODDING".

DETAIL
VALVE BOX SETTING



WOOD BLOCKING MAY NOT BE USED. ONLY SOLID CONCRETE BLOCKS ARE ALLOWED.
DIMENSION "D" SHALL BE AS LARGE AS POSSIBLE, BUT THE CONCRETE SHALL NOT INTERFERE WITH THE MECHANICAL JOINTS.
DIMENSION "C" SHALL BE AT LEAST 6 INCHES, AND LARGE ENOUGH TO MAKE THE "B" ANGLE EQUAL TO OR GREATER THAN 45 DEGREES WITH THE DIMENSION "A" AS SHOWN ON THE TABLE, OR GREATER, AND WITH DIMENSION "D" AS LARGE AS POSSIBLE.

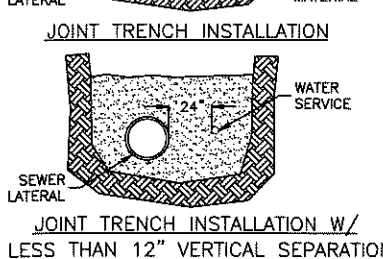
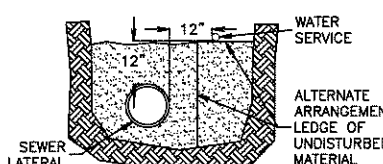
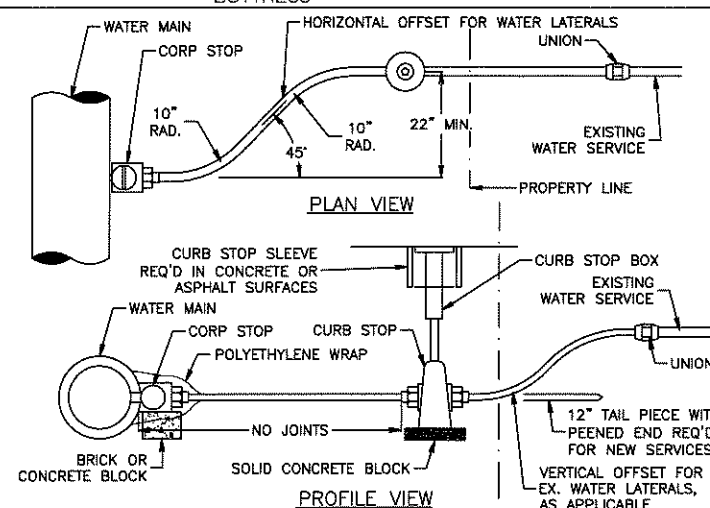
CONCRETE SHALL BE CLASS "CC". SEE SECTION 03301.

BUTTRUSS DIMENSIONS									
PIPE SIZE	TEES	22.5° BEND	45° BEND	90° BEND	TEES	22.5° BEND	45° BEND	90° BEND	TEES
6	1'-3"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-2"
8	1'-6"	1'-4"	1'-0"	1'-4"	1'-2"	1'-2"	1'-10"	1'-6"	1'-6"
10/12	2'-3"	2'-0"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"	2'-3"	2'-3"
14/16	3'-2"	2'-6"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"	2'-10"
18/20	4'-0"	3'-0"	2'-4"	2'-0"	3'-3"	2'-10"	5'-0"	3'-4"	3'-4"
22/24	5'-3"	3'-4"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	3'-10"	3'-10"
30	6'-3"	4'-3"	3'-6"	3'-0"	5'-4"	3'-10"	8'-0"	4'-8"	4'-8"

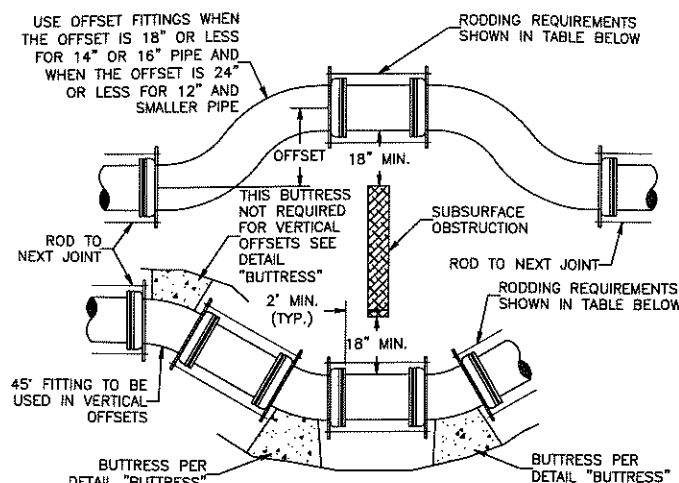
* = FOR TEE THIS WILL BE THE BRANCH PIPE

DIMENSIONS IN THE TABLE ARE BASED ON A WATER PRESSURE OF 150 PSI AND SOIL RESISTANCE OF 2000 LBS./SQ.FT.

DETAIL
BUTTRUSS



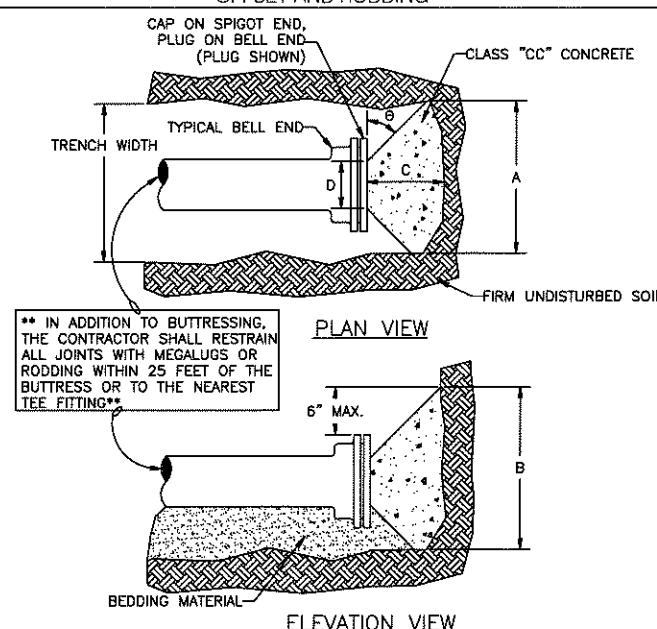
DETAIL
WATER SERVICE INSTALLATION



NOMINAL PIPE SIZE	RODS NO.	RODS DIA.	STRAP SIZE	BOLT DIA.	WASHER SIZE
6	3	3/8"	1/2" x 2"	3/8"	1/2" x 3 x 5
8	4	3/8"	1/2" x 2"	3/8"	1/2" x 3 x 5
10	4	3/8"	1/2" x 2 1/2"	1"	1/2" x 3 x 5
12	4	3/8"	1/2" x 2 1/2"	1"	1/2" x 3 x 5
14	4	3/8"	1/2" x 2 1/2"	1"	1/2" x 3 x 5

NOTES:
- RODS AND WASHERS TO BE ASTM A-575 MERCHANT QUALITY 0.17-0.24 CARBON. NUTS TO BE AMERICAN STANDARD HEAVY, NOT PRESTRESSED.
- TIE RODS, BOLTS, NUTS, BANDS AND WASHERS TO BE FURNISHED AND ASSEMBLED BY THE CONTRACTOR.
- ALL STEEL MATERIAL TO BE GALVANIZED OR THOROUGHLY COATED WITH ENGINEER APPROVED COATING.
- OFFSET FITTINGS REQUIRE CONTINUOUS RODDING IN ALL POSITIONS.
- VERTICAL OFFSETS SHALL NOT CREATE A HIGH POINT IN THE WATER MAIN. VERTICAL OFFSETS REQUIRE THE SAME RODDING AND BUTTRUSSING AS SHOWN ABOVE.
- MEGALUG RESTRAINTS MAY BE USED IN LIEU OF RODDING.

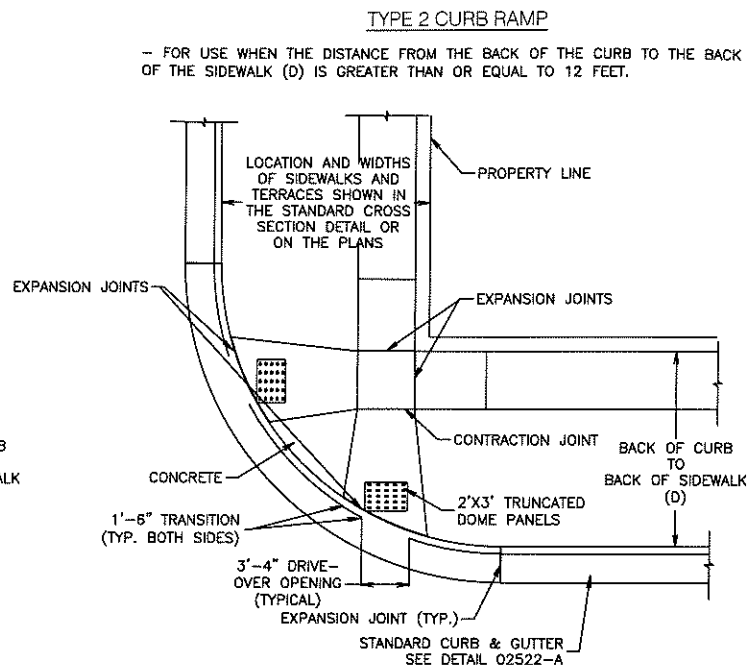
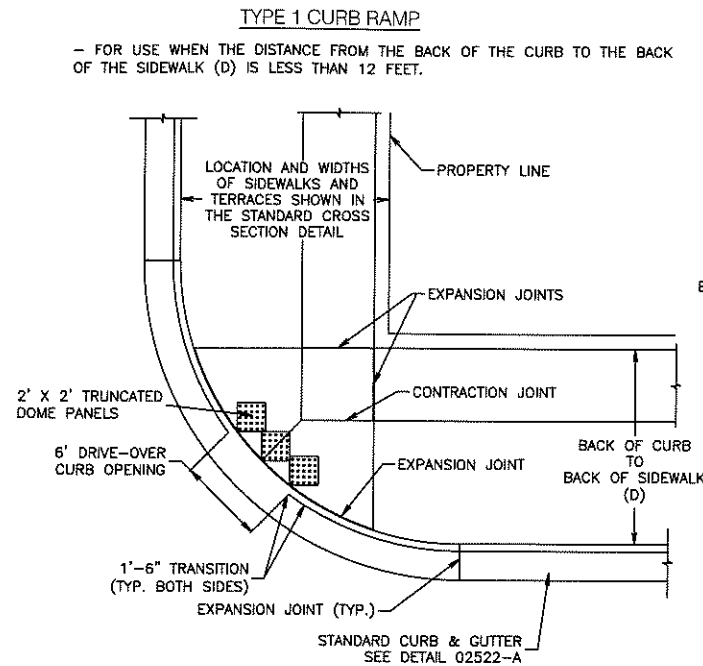
DETAIL
OFFSET AND RODDING



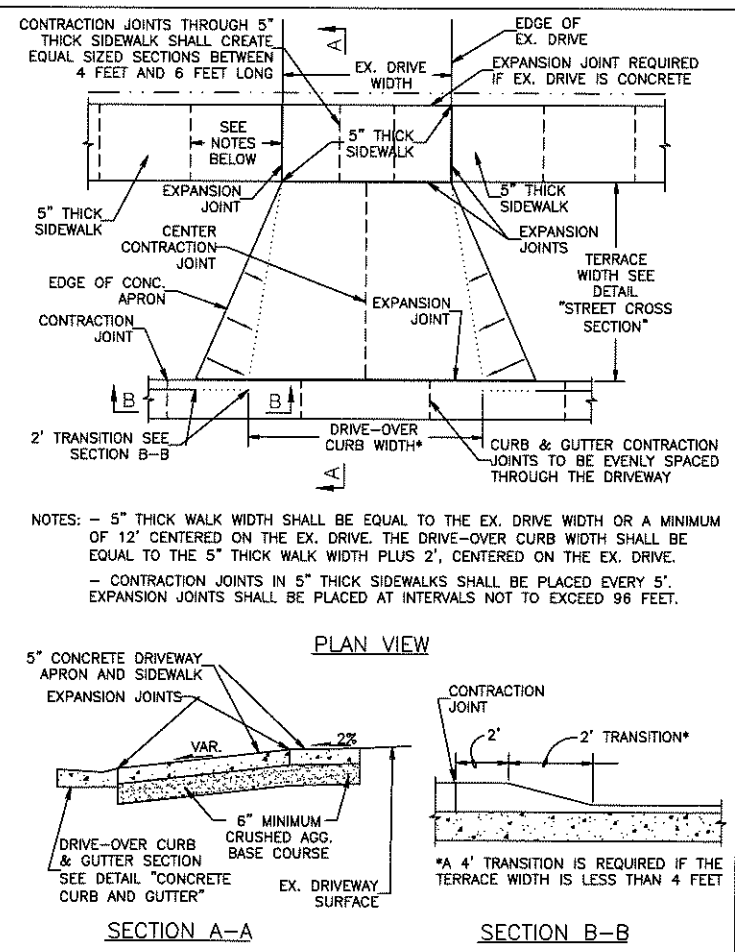
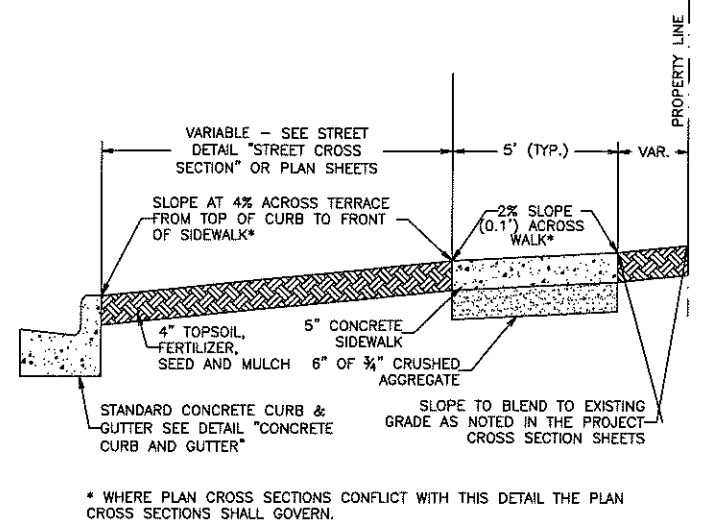
BUTTRUSS DIMENSIONS				
DIA.	A	B	C	D
6"	1'-3"	1'-0"		
8"	1'-8"	1'-6"		
10"	2'-0"	1'-8"		
12"	2'-5"	1'-10"		
16"	3'-4"	2'-4"		
20"	4'-3"	2'-10"		
24"	5'-2"	3'-4"		
30"	6'-9"	4'-0"		

NOTES:
- DIMENSION "C" SHALL BE LARGE ENOUGH TO MAKE ANGLE θ EQUAL TO OR GREATER THAN 45°.
- DIMENSION "D" EQUALS APPROX. I.D. OF PIPE, LESS 2 INCHES. CONTRACTOR SHALL PROTECT THE MECH. JOINT BOLTS FROM THE CONCRETE BUTTRUSS.
- BUTTRUSS DIMENSIONS ARE BASED UPON A SOIL RESISTANCE OF 2 TONS PER SQ. FT. AND A WATER PRESSURE OF 150 P.S.I.

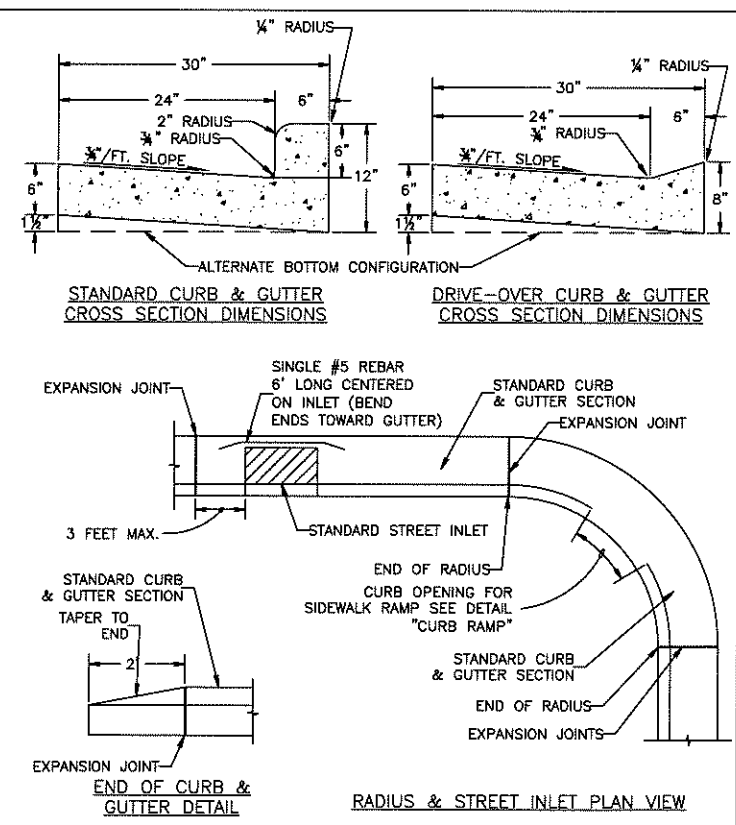
DETAIL
BUTTRUSS FOR DEAD ENDS



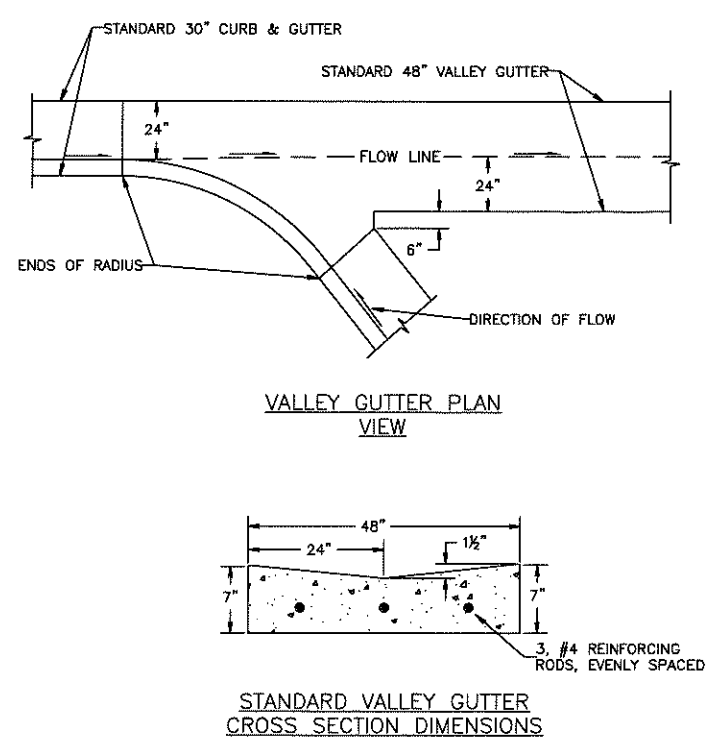
DETAIL
CURB RAMP DETAIL



DETAIL
DRIVEWAY



DETAIL
CONCRETE CURB AND GUTTER



DETAIL
VALLEY GUTTER

BID TABULATION

PAGE 1 OF 4

Project: 2020 Street & Utility Improvements; Village of McFarland
 Engineer's Project Number: MC 158 Bid Deadline: March 5, 2020 at 10:30 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	QUANT.	BID UNITS	PRE-BID ESTIMATE		G-Pro Excavating LLC		Fischer Excavating, Inc.		A-1 Excavating, Inc.	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
BASE BID											
Utility Work											
1.	12" D.I. Water Main	79	lin. ft.	\$ 110.00	\$ 8,690.00	\$ 130.00	\$ 10,270.00	\$ 158.36	\$ 12,510.44	\$ 222.00	\$ 17,538.00
2.	10" D.I. Water Main	2,081	lin. ft.	\$ 95.00	\$ 197,695.00	\$ 99.50	\$ 207,059.50	\$ 109.51	\$ 227,890.31	\$ 114.00	\$ 237,234.00
3.	8" D.I. Water Main	55	lin. ft.	\$ 80.00	\$ 4,400.00	\$ 110.00	\$ 6,050.00	\$ 112.23	\$ 6,172.65	\$ 115.00	\$ 6,325.00
4.	6" D.I. Water Main & Hydrant Leads	60	lin. ft.	\$ 75.00	\$ 4,500.00	\$ 95.00	\$ 5,700.00	\$ 100.73	\$ 6,043.80	\$ 95.00	\$ 5,700.00
5.	12" Gate Valves and Boxes	1	each	\$ 2,200.00	\$ 2,200.00	\$ 3,250.00	\$ 3,250.00	\$ 2,956.41	\$ 2,956.41	\$ 3,500.00	\$ 3,500.00
6.	10" Gate Valves and Boxes	7	each	\$ 2,000.00	\$ 14,000.00	\$ 2,680.00	\$ 18,760.00	\$ 2,650.94	\$ 18,556.58	\$ 2,500.00	\$ 17,500.00
7.	8" Gate Valves and Boxes	3	each	\$ 1,850.00	\$ 5,550.00	\$ 1,900.00	\$ 5,700.00	\$ 1,543.46	\$ 4,630.38	\$ 1,900.00	\$ 5,700.00
8.	6" Gate Valves and Boxes	5	each	\$ 1,600.00	\$ 8,000.00	\$ 1,425.00	\$ 7,125.00	\$ 1,166.71	\$ 5,833.55	\$ 1,500.00	\$ 7,500.00
9.	Hydrants	10	each	\$ 4,200.00	\$ 42,000.00	\$ 4,066.00	\$ 40,660.00	\$ 4,316.53	\$ 43,165.30	\$ 5,400.00	\$ 54,000.00
10.	1" Corporation Stops	28	each	\$ 450.00	\$ 12,600.00	\$ 350.00	\$ 9,800.00	\$ 432.78	\$ 12,117.84	\$ 200.00	\$ 5,600.00
11.	2" Corporation Stops	1	each	\$ 500.00	\$ 500.00	\$ 850.00	\$ 850.00	\$ 766.03	\$ 766.03	\$ 510.00	\$ 510.00
12.	1" Curb Stops	28	each	\$ 450.00	\$ 12,600.00	\$ 550.00	\$ 15,400.00	\$ 577.07	\$ 16,157.96	\$ 400.00	\$ 11,200.00
13.	2" Curb Stops	1	each	\$ 500.00	\$ 500.00	\$ 900.00	\$ 900.00	\$ 681.53	\$ 681.53	\$ 680.00	\$ 680.00
14.	1" Copper Water Service Laterals	965	lineal ft.	\$ 55.00	\$ 53,075.00	\$ 56.00	\$ 54,040.00	\$ 79.31	\$ 76,534.15	\$ 65.00	\$ 62,725.00
15.	2" Copper Water Service Laterals	43	lineal ft.	\$ 65.00	\$ 2,795.00	\$ 73.00	\$ 3,139.00	\$ 87.17	\$ 3,748.31	\$ 81.00	\$ 3,483.00
16.	Water Service Lateral Reconections	28	each	\$ 250.00	\$ 7,000.00	\$ 380.00	\$ 10,640.00	\$ 176.01	\$ 4,928.28	\$ 150.00	\$ 4,200.00
17.	Existing Main Reconections	8	each	\$ 2,000.00	\$ 16,000.00	\$ 2,300.00	\$ 18,400.00	\$ 4,085.62	\$ 32,684.96	\$ 3,000.00	\$ 24,000.00
Street Work											
18.	Pulverizing and Grading of Existing Asphalt Pavement	13,053	sq. yds.	\$ 2.50	\$ 32,632.50	\$ 3.61	\$ 47,121.33	\$ 1.85	\$ 24,148.05	\$ 3.00	\$ 39,159.00
19.	Excavation and Disposal of Bad Subbase Below Subgrade	1,025	cu. yd.	\$ 15.00	\$ 15,375.00	\$ 22.00	\$ 22,550.00	\$ 20.05	\$ 20,551.25	\$ 15.00	\$ 15,375.00
20.	3" Breaker Run Replacement of Excavation of Bad Subbase Below Subgrade	2,067	tons	\$ 15.00	\$ 31,005.00	\$ 8.50	\$ 17,569.50	\$ 19.33	\$ 39,955.11	\$ 16.00	\$ 33,072.00
21.	Sanitary Manhole Castings	9	each	\$ 700.00	\$ 6,300.00	\$ 725.00	\$ 6,525.00	\$ 1,203.79	\$ 10,834.11	\$ 850.00	\$ 7,650.00
22.	1½" Hot Mix Asphalt Surface Course, Type 5 LT	1,240	tons	\$ 90.00	\$ 111,600.00	\$ 65.15	\$ 80,786.00	\$ 65.15	\$ 80,786.00	\$ 70.00	\$ 86,800.00
23.	1¾" Hot Mix Asphalt Lower Course, Type 4 LT	1,445	tons	\$ 89.00	\$ 128,605.00	\$ 62.69	\$ 90,587.05	\$ 62.69	\$ 90,587.05	\$ 70.00	\$ 101,150.00
24.	Clean & Tack	13,056	sq. yd.	\$ 0.60	\$ 7,833.60	\$ 0.15	\$ 1,958.40	\$ 0.15	\$ 1,958.40	\$ 0.10	\$ 1,305.60
25.	Replace Top Section of Water Valve Boxes	5	each	\$ 410.00	\$ 2,050.00	\$ 315.00	\$ 1,575.00	\$ 912.74	\$ 4,563.70	\$ 340.00	\$ 1,700.00
26.	2" Hot-Mix Asphalt Paving and Driveways	75	sq. yd.	\$ 16.50	\$ 1,237.50	\$ 28.00	\$ 2,100.00	\$ 51.49	\$ 3,861.75	\$ 24.00	\$ 1,800.00
27.	Sawcutting Existing Concrete and Asphalt Pavements	492	lineal ft.	\$ 3.50	\$ 1,722.00	\$ 3.00	\$ 1,476.00	\$ 1.65	\$ 811.80	\$ 4.00	\$ 1,968.00
28.	Remove and Replace 30" Concrete Curb & Gutter (< 50-foot sections)	476	lineal ft.	\$ 33.00	\$ 15,708.00	\$ 37.00	\$ 17,612.00	\$ 40.94	\$ 19,487.44	\$ 40.00	\$ 19,040.00
29.	Remove and Replace 30" Concrete Curb & Gutter (> 50-foot sections)	100	lineal ft.	\$ 27.00	\$ 2,700.00	\$ 28.00	\$ 2,800.00	\$ 34.67	\$ 3,467.00	\$ 30.00	\$ 3,000.00

BID TABULATION

PAGE 2 OF 4

Project: 2020 Street & Utility Improvements; Village of McFarland
 Engineer's Project Number: MC 158 Bid Deadline: March 5, 2020 at 10:30 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID		PRE-BID ESTIMATE		G-Pro Excavating LLC		Fischer Excavating, Inc.		A-1 Excavating, Inc.	
		QUANT.	UNITS	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
30.	Removal and Replace 5" Thick Concrete Sidewalk and Driveway Approaches	2,540	sq. ft.	\$ 10.00	\$ 25,400.00	\$ 10.00	\$ 25,400.00	\$ 10.35	\$ 26,289.00	\$ 10.00	\$ 25,400.00
31.	48" Concrete Valley Gutter	79	lineal ft.	\$ 115.00	\$ 9,085.00	\$ 50.00	\$ 3,950.00	\$ 70.22	\$ 5,547.38	\$ 60.00	\$ 4,740.00
32.	Topsoil Restoration, Seeding, Fertilizing & Mulching	800	sq. yds.	\$ 9.00	\$ 7,200.00	\$ 7.50	\$ 6,000.00	\$ 11.35	\$ 9,080.00	\$ 5.00	\$ 4,000.00
33.	Erosion Control	1	lump sum	\$ 10,000.00	\$ 10,000.00	\$ 14,750.00	\$ 14,750.00	\$ 1,490.05	\$ 1,490.05	\$ 5,000.00	\$ 5,000.00
34.	Traffic Control	1	lump sum	\$ 10,000.00	\$ 10,000.00	\$ 17,500.00	\$ 17,500.00	\$ 7.57	\$ 7.57	\$ 5,000.00	\$ 5,000.00
35.	5" Thick Concrete Sidewalk	402	sq. ft.	\$ 10.00	\$ 4,020.00	\$ 6.00	\$ 2,412.00	\$ 7.57	\$ 3,043.14	\$ 10.00	\$ 4,020.00
	TOTAL BASE BID				\$ 814,578.60		\$ 780,415.78		\$ 821,847.28		\$ 827,574.60
ALTERNATE BID											
A1.	Pulverizing and Grading of Existing Asphalt Pavement	2,067	sq. yds.	\$ 2.50	\$ 5,167.50	\$ 3.61	\$ 7,461.87	\$ 1.85	\$ 3,823.95	\$ 3.00	\$ 6,201.00
A2.	Excavation and Disposal of Bad Subbase Below Subgrade	87	cu. yd.	\$ 15.00	\$ 1,305.00	\$ 22.00	\$ 1,914.00	\$ 20.06	\$ 1,745.22	\$ 22.00	\$ 1,914.00
A3.	3" Breaker Run Replacement of Excavation of Bad Subbase Below Subgrade	159	tons	\$ 15.00	\$ 2,385.00	\$ 8.50	\$ 1,351.50	\$ 19.33	\$ 3,073.47	\$ 20.00	\$ 3,180.00
A4.	Sanitary Manhole Castings	4	each	\$ 700.00	\$ 2,800.00	\$ 725.00	\$ 2,900.00	\$ 1,060.73	\$ 4,242.92	\$ 850.00	\$ 3,400.00
A5.	Sawcutting Existing Concrete and Asphalt Pavements	29	lineal ft.	\$ 3.50	\$ 101.50	\$ 3.00	\$ 87.00	\$ 1.65	\$ 47.85	\$ 5.00	\$ 145.00
A6.	1½" Hot Mix Asphalt Surface Course, Type 5 LT	197	tons	\$ 90.00	\$ 17,730.00	\$ 68.73	\$ 13,539.81	\$ 68.73	\$ 13,539.81	\$ 72.00	\$ 14,184.00
A7.	1¾" Hot Mix Asphalt Lower Course, Type 4 LT	229	tons	\$ 89.00	\$ 20,381.00	\$ 64.58	\$ 14,788.82	\$ 64.58	\$ 14,788.82	\$ 72.00	\$ 16,488.00
A8.	Clean & Tack	2,067	sq. yd.	\$ 0.60	\$ 1,240.20	\$ 0.15	\$ 310.05	\$ 0.15	\$ 310.05	\$ 0.15	\$ 310.05
A9.	Erosion Control	1	lump sum	\$ 1,500.00	\$ 1,500.00	\$ 1,000.00	\$ 1,000.00	\$ 665.60	\$ 665.60	\$ 400.00	\$ 400.00
A10.	Traffic Control	1	lump sum	\$ 1,500.00	\$ 1,500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 400.00	\$ 400.00
	TOTAL ALTERNATE BID				\$ 54,110.20		\$ 43,853.05		\$ 42,737.69		\$ 46,622.05
SUPPLEMENTAL BID ITEMS											
S1.	Property Corner Replacement	1	each	\$ 500.00	\$ 500.00	\$ 250.00	\$ 250.00	\$ 600.00	\$ 600.00	\$ 750.00	\$ 750.00
S2.	Removal and Replacement of Unsuitable Trench Backfill	300	cu. yd.	\$ 25.00	\$ 7,500.00	\$ 29.00	\$ 8,700.00	\$ 4.93	\$ 1,479.00	\$ 40.00	\$ 12,000.00
	TOTAL OF SUPPLEMENTAL BID				\$ 8,000.00		\$ 8,950.00		\$ 2,079.00		\$ 12,750.00

BID TABULATION

PAGE 3 OF 4

Project: 2020 Street & Utility Improvements; Village of McFarland
 Engineer's Project Number: MC 158 Bid Deadline: March 5, 2020 at 10:30 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID QUANT.	UNITS	Speedway Sand & Gravel, Inc. UNIT PRICE	AMOUNT	Parisi Construction Co., Inc. UNIT PRICE	AMOUNT	E & N Hughes Co., Inc. UNIT PRICE	AMOUNT		
BASE BID											
Utility Work											
1.	12" D.I. Water Main	79	lin. ft.	\$ 141.45	\$ 11,174.55	\$ 160.00	\$ 12,640.00	\$ 163.05	\$ 12,880.95		
2.	10" D.I. Water Main	2,081	lin. ft.	\$ 125.40	\$ 260,957.40	\$ 110.00	\$ 228,910.00	\$ 117.85	\$ 245,245.85		
3.	8" D.I. Water Main	55	lin. ft.	\$ 141.79	\$ 7,798.45	\$ 82.00	\$ 4,510.00	\$ 196.55	\$ 10,810.25		
4.	6" D.I. Water Main & Hydrant Leads	60	lin. ft.	\$ 146.53	\$ 8,791.80	\$ 88.00	\$ 5,280.00	\$ 147.10	\$ 8,826.00		
5.	12" Gate Valves and Boxes	1	each	\$ 3,436.00	\$ 3,436.00	\$ 4,800.00	\$ 4,800.00	\$ 3,268.55	\$ 3,268.55		
6.	10" Gate Valves and Boxes	7	each	\$ 2,913.80	\$ 20,396.60	\$ 3,900.00	\$ 27,300.00	\$ 2,671.00	\$ 18,697.00		
7.	8" Gate Valves and Boxes	3	each	\$ 2,163.00	\$ 6,489.00	\$ 3,100.00	\$ 9,300.00	\$ 1,903.15	\$ 5,709.45		
8.	6" Gate Valves and Boxes	5	each	\$ 1,671.00	\$ 8,355.00	\$ 2,600.00	\$ 13,000.00	\$ 1,335.00	\$ 6,675.00		
9.	Hydrants	10	each	\$ 4,720.15	\$ 47,201.50	\$ 4,800.00	\$ 48,000.00	\$ 5,196.45	\$ 51,964.50		
10.	1" Corporation Stops	28	each	\$ 757.50	\$ 21,210.00	\$ 140.00	\$ 3,920.00	\$ 88.75	\$ 2,485.00		
11.	2" Corporation Stops	1	each	\$ 1,593.00	\$ 1,593.00	\$ 600.00	\$ 600.00	\$ 546.55	\$ 546.55		
12.	1" Curb Stops	28	each	\$ 885.85	\$ 24,803.80	\$ 270.00	\$ 7,560.00	\$ 268.00	\$ 7,504.00		
13.	2" Curb Stops	1	each	\$ 1,509.35	\$ 1,509.35	\$ 390.00	\$ 390.00	\$ 574.50	\$ 574.50		
14.	1" Copper Water Service Laterals	965	lineal ft.	\$ 22.25	\$ 21,471.25	\$ 9.00	\$ 8,685.00	\$ 83.75	\$ 80,818.75		
15.	2" Copper Water Service Laterals	43	lineal ft.	\$ 28.30	\$ 1,216.90	\$ 90.00	\$ 3,870.00	\$ 87.00	\$ 3,741.00		
16.	Water Service Lateral Reconections	28	each	\$ 367.85	\$ 10,299.80	\$ 2,300.00	\$ 64,400.00	\$ 33.50	\$ 938.00		
17.	Existing Main Reconections	8	each	\$ 2,267.00	\$ 18,136.00	\$ 2,400.00	\$ 19,200.00	\$ 780.00	\$ 6,240.00		
Street Work											
18.	Pulverizing and Grading of Existing Asphalt Pavement	13,053	sq. yds.	\$ 3.42	\$ 44,641.26	\$ 1.30	\$ 16,968.90	\$ 4.50	\$ 58,738.50		
19.	Excavation and Disposal of Bad Subbase Below Subgrade	1,025	cu. yd.	\$ 19.00	\$ 19,475.00	\$ 25.75	\$ 26,393.75	\$ 24.15	\$ 24,753.75		
20.	3" Breaker Run Replacement of Excavation of Bad Subbase Below Subgrade	2,067	tons	\$ 25.00	\$ 51,675.00	\$ 14.00	\$ 28,938.00	\$ 19.55	\$ 40,409.85		
21.	Sanitary Manhole Castings	9	each	\$ 690.00	\$ 6,210.00	\$ 1,300.00	\$ 11,700.00	\$ 1,135.50	\$ 10,219.50		
22.	1½" Hot Mix Asphalt Surface Course, Type 5 LT	1,240	tons	\$ 68.00	\$ 84,320.00	\$ 73.00	\$ 90,520.00	\$ 75.00	\$ 93,000.00		
23.	1¾" Hot Mix Asphalt Lower Course, Type 4 LT	1,445	tons	\$ 65.00	\$ 93,925.00	\$ 70.00	\$ 101,150.00	\$ 72.10	\$ 104,184.50		
24.	Clean & Tack	13,056	sq. yd.	\$ 0.10	\$ 1,305.60	\$ 0.10	\$ 1,305.60	\$ 0.17	\$ 2,219.52		
25.	Replace Top Section of Water Valve Boxes	5	each	\$ 850.00	\$ 4,250.00	\$ 520.00	\$ 2,600.00	\$ 301.70	\$ 1,508.50		
26.	2" Hot-Mix Asphalt Paving and Driveways	75	sq. yd.	\$ 16.00	\$ 1,200.00	\$ 17.25	\$ 1,293.75	\$ 32.20	\$ 2,415.00		
27.	Sawcutting Existing Concrete and Asphalt Pavements	492	lineal ft.	\$ 3.50	\$ 1,722.00	\$ 2.70	\$ 1,328.40	\$ 3.15	\$ 1,549.80		
28.	Remove and Replace 30" Concrete Curb & Gutter (< 50-foot sections)	476	lineal ft.	\$ 36.53	\$ 17,388.28	\$ 44.75	\$ 21,301.00	\$ 45.50	\$ 21,658.00		
29.	Remove and Replace 30" Concrete Curb & Gutter (> 50-foot sections)	100	lineal ft.	\$ 33.53	\$ 3,353.00	\$ 46.75	\$ 4,675.00	\$ 51.75	\$ 5,175.00		

BID TABULATION

PAGE 4 OF 4

Project: 2020 Street & Utility Improvements; Village of McFarland
 Engineer's Project Number: MC 158 Bid Deadline: March 5, 2020 at 10:30 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID QUANT.	UNITS	Speedway Sand & Gravel, Inc.		Parisi Construction Co., Inc.		E & N Hughes Co., Inc.			
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT		
30.	Removal and Replace 5" Thick Concrete Sidewalk and Driveway Approaches	2,540	sq. ft.	\$ 10.05	\$ 25,527.00	\$ 12.00	\$ 30,480.00	\$ 15.50	\$ 39,370.00		
31.	48" Concrete Valley Gutter	79	lineal ft.	\$ 46.74	\$ 3,692.46	\$ 56.00	\$ 4,424.00	\$ 62.00	\$ 4,898.00		
32.	Topsoil Restoration, Seeding, Fertilizing & Mulching	800	sq. yds.	\$ 10.21	\$ 8,168.00	\$ 18.25	\$ 14,600.00	\$ 7.35	\$ 5,880.00		
33.	Erosion Control	1	lump sum	\$ 9,350.00	\$ 9,350.00	\$ 7,500.00	\$ 7,500.00	\$ 3,182.50	\$ 3,182.50		
34.	Traffic Control	1	lump sum	\$ 3,900.00	\$ 3,900.00	\$ 55,000.00	\$ 55,000.00	\$ 19,354.00	\$ 19,354.00		
35.	5" Thick Concrete Sidewalk	402	sq. ft.	\$ 7.05	\$ 2,834.10	\$ 11.75	\$ 4,723.50	\$ 8.35	\$ 3,356.70		
	TOTAL BASE BID				\$ 857,777.10		\$ 887,266.90		\$ 908,798.47		
ALTERNATE BID											
A1.	Pulverizing and Grading of Existing Asphalt Pavement	2,067	sq. yds.	\$ 4.00	\$ 8,268.00	\$ 1.80	\$ 3,720.60	\$ 5.21	\$ 10,769.07		
A2.	Excavation and Disposal of Bad Subbase Below Subgrade	87	cu. yd.	\$ 20.00	\$ 1,740.00	\$ 33.50	\$ 2,914.50	\$ 24.15	\$ 2,101.05		
A3.	3" Breaker Run Replacement of Excavation of Bad Subbase Below Subgrade	159	tons	\$ 26.00	\$ 4,134.00	\$ 16.25	\$ 2,583.75	\$ 19.55	\$ 3,108.45		
A4.	Sanitary Manhole Castings	4	each	\$ 690.00	\$ 2,760.00	\$ 1,300.00	\$ 5,200.00	\$ 1,241.25	\$ 4,965.00		
A5.	Sawcutting Existing Concrete and Asphalt Pavements	29	lineal ft.	\$ 3.50	\$ 101.50	\$ 2.70	\$ 78.30	\$ 3.20	\$ 92.80		
A6.	1½" Hot Mix Asphalt Surface Course, Type 5 LT	197	tons	\$ 70.25	\$ 13,839.25	\$ 76.00	\$ 14,972.00	\$ 79.05	\$ 15,572.85		
A7.	1¾" Hot Mix Asphalt Lower Course, Type 4 LT	229	tons	\$ 68.25	\$ 15,629.25	\$ 74.00	\$ 16,946.00	\$ 74.25	\$ 17,003.25		
A8.	Clean & Tack	2,067	sq. yd.	\$ 0.15	\$ 310.05	\$ 0.15	\$ 310.05	\$ 0.17	\$ 351.39		
A9.	Erosion Control	1	lump sum	\$ 2,000.00	\$ 2,000.00	\$ 520.00	\$ 520.00	\$ 1,829.17	\$ 1,829.17		
A10.	Traffic Control	1	lump sum	\$ 560.00	\$ 560.00	\$ 9,700.00	\$ 9,700.00	\$ 575.00	\$ 575.00		
	TOTAL ALTERNATE BID				\$ 49,342.05		\$ 56,945.20		\$ 56,368.03		
SUPPLEMENTAL BID ITEMS											
S1.	Property Corner Replacement	1	each	\$ 800.00	\$ 800.00	\$ 500.00	\$ 500.00	\$ 1,150.00	\$ 1,150.00		
S2.	Removal and Replacement of Unsuitable Trench Backfill	300	cu. yd.	\$ 24.65	\$ 7,395.00	\$ 30.00	\$ 9,000.00	\$ 51.71	\$ 15,513.00		
	TOTAL OF SUPPLEMENTAL BID				\$ 8,195.00		\$ 9,500.00		\$ 16,663.00		



VILLAGE BOARD SUMMARY SHEET

MEETING DATE: Tuesday, March 10, 2020

SECTION: Business

DEPARTMENT: Public Works

CONTACT: Jim Hessling, Public Works Director

AGENDA ITEM: Discussion and action to make a recommendation to the Village Board regarding the award of contract for the 2020 Stormwater and Path Improvement project(s).

PREVIOUS ACTION:

ISSUE SUMMARY:

The Village Board adopted the 2020 Budget including the Capital Projects Fund at its meeting on November 25, 2019. The following summary pertains to the 2020 Stormwater and Path Improvements.

This proposed work includes, but is not limited to, the installation of a sump pump header system (piping), ditch restoration and piping along with the installation of curb and gutter work.

This work will take place in the following areas:

Creamery Court, Elvehjem Road, Marshwoods Drive, East and West Open Meadow, Perrot Place and Sighting Road

This project was advertised and bids were received and opened by the bid deadline of March 5, 2020. At the time of this writing, the low bid is being tabulated and reviewed by Town & Country Engineering. All bidders on this project are required to be pre-qualified before submitting bids.

The bid notification, plans for the project and bid tabulation are attached. A recommendation of a contractor will be made available at the meeting for your review and approval.

FINANCIAL/BUDGET IMPACT:

VILLAGE PLAN REFERENCE:

ORDINANCE REFERENCE:



BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

ATTACHMENTS:

1. 00 10 10 Advertisement for Bidders MC 167
2. 2020 Stormwater and Path Improvements
3. 00 41 00 Bid Forms- mc167

ADVERTISEMENT FOR BIDS

PROJECT: **2020 STORMWATER AND PATH IMPROVEMENTS**

OWNER: Village of McFarland
 5915 Milwaukee Street, P.O. Box 110
 McFarland, WI 53558

CONTRACTS AND BID DEADLINE:

Sealed bids for a single contract for stormwater and path improvements will be received by the Village of McFarland in the McFarland Village office until 10:00 a.m. local time on March 5, 2020. Bids will be publicly opened and read aloud immediately thereafter in the Village Board of Trustees meeting room.

The contract consists of the following approximate quantities:

6" PVC Sump Pump Header	980 lineal feet
Ditch Reconstruction	1,300 lineal feet
30" Curb & Gutter	1,500 lineal feet

Appurtenances to the above construction items, such as service laterals and manhole adjustments are included, but are not listed above. The quantities are subject to change without notice prior to document distribution.

CONTRACT DOCUMENTS:

The Contract Documents, consisting of Advertisement for Bids, Instructions to Bidders, Bidder's Proof of Responsibility, Bid Proposal Form, Affidavit of Organization and Authority, Bid Bond (in the amount of 5% of the maximum amount of the bid), Notice of Award Form, Agreement Form, Notice to Proceed Form, Performance/Payment Bond (100%), Certificate of Insurance, General Conditions, Supplementary Conditions, Technical Specifications, Drawings and Addenda (if any) may be examined at the following locations:

Village of McFarland
5915 Milwaukee Street, P.O. Box 110
McFarland, WI 53558

Town & Country Engineering, Inc.
2912 Marketplace Drive, Suite 103
Madison, WI 53719

Copies of the Contract Documents and the Construction Plans may be obtained at the office of Town & Country Engineering, Inc., 2912 Marketplace Drive, Suite 103, Madison, WI 53719. There is a ***\$40 non-refundable*** copying and distribution charge for these documents. Electronic bidding documents are available on-line at Qquestcdn.com, Project No. 6826203 for \$30. This fee includes access to submit a bid on-line via Qquestcdn.

QUALIFICATIONS:

Bidders must be pre-qualified with the Village of McFarland within the last year or must be pre-qualified for this work 5 days prior to the bid deadline in accordance with Section 66.0903 of the Wisconsin Statutes. Each bidder must deposit, with his bid, security in the amount of 5% of the maximum bid amount. Bidders must be experienced in municipal pipeline construction.

RIGHTS RESERVED:

The Village of McFarland reserves the right to reject any and all bids and to waive informalities in any bid.

Published by the authority of:
Matthew Schuenke, Village Administrator
Village of McFarland

2020 STORMWATER AND PATH IMPROVEMENTS

CREAMERY RD., ELVEHJEM RD., SIGHTING RD., OPEN MEADOW, PERROT PLACE, AND MARSH WOODS DR.

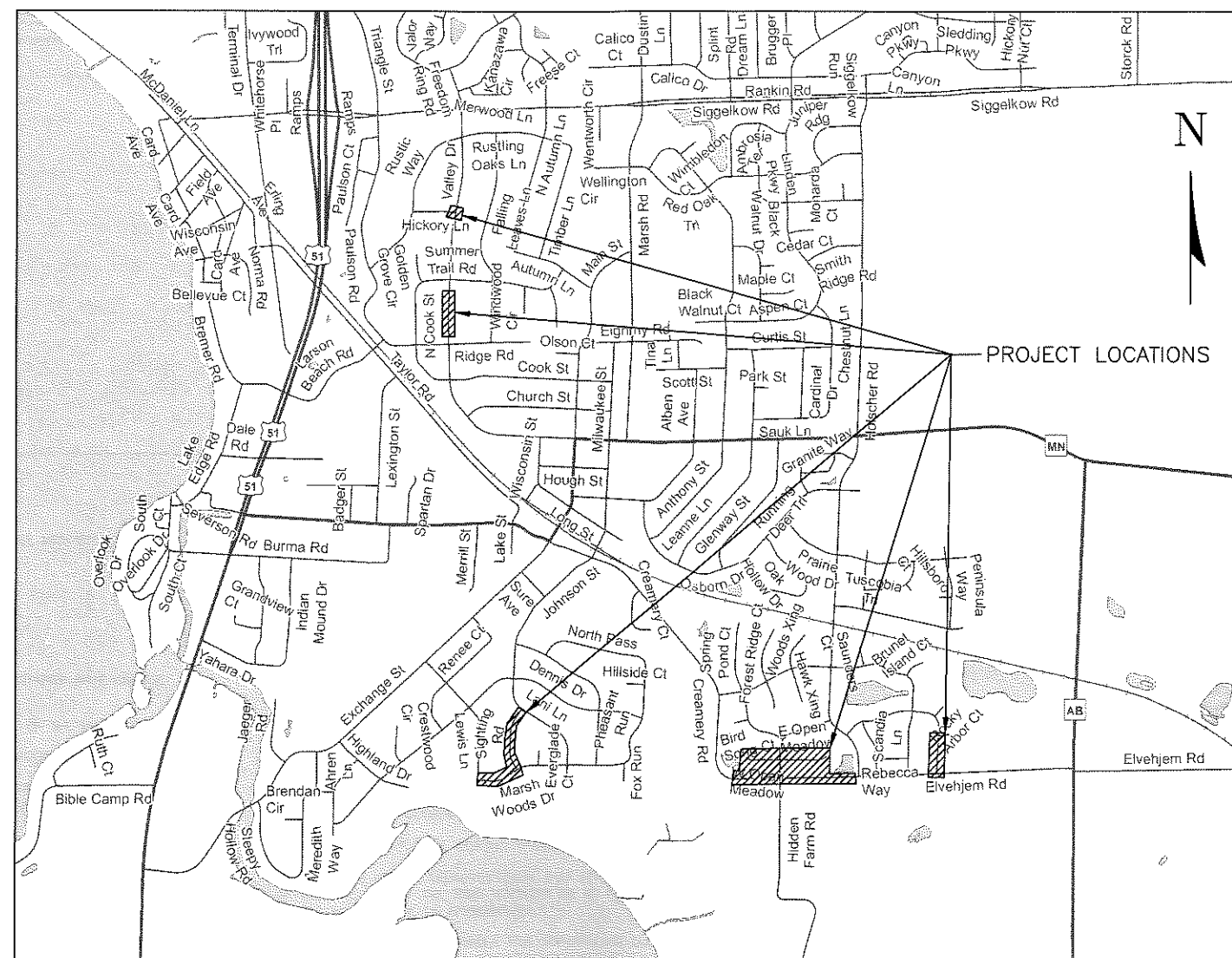
Village of McFarland, Wisconsin

 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.

SHEET INDEX	
SHEET NO.	SHEET DESCRIPTION
1	EROSION CONTROL PLAN AND GENERAL NOTES
2	EROSION CONTROL PLAN
3	EROSION CONTROL - STANDARD CONSTRUCTION DETAILS
SANITARY SEWER, WATER MAIN, AND STORM SEWER	
A1	PLAN & PROFILE - CREAMERY ROAD STATION 9+00 TO STATION 15+00
A2	PLAN & PROFILE - ELVEHJEM ROAD STATION 14+60 TO STATION 20+60
A3	PLAN & PROFILE - ELVEHJEM ROAD STATION 20+20 TO STATION 26+20
A4	PLAN - OPEN MEADOW
A5	PLAN - PEROT PLACE
A6	PLAN - MARSH WOODS DRIVE & SIGHTING ROAD
A7	PLAN - VALLEY DRIVE
A8	PLAN - VALLEY DRIVE
A9	STORM SEWER - STANDARD CONSTRUCTION DETAILS
CURB & GUTTER AND STREET CONSTRUCTION	
A10	STREET IMPROVEMENTS - STANDARD CONSTRUCTION DETAILS
X1	CROSS SECTIONS - CREAMERY ROAD STATION 10+50 TO STATION 14+50
X2	CROSS SECTIONS - ELVEHJEM ROAD STATION 15+00 TO STATION 20+00
X3	CROSS SECTIONS - ELVEHJEM ROAD STATION 20+50 TO STATION 23+95



NO SCALE

LEGEND

EXISTING ROAD	UNDERGROUND GAS	UNDERGROUND WATER	EXISTING SANITARY SEWER	EXISTING WATER MAIN	EXISTING STORM SEWER	EXISTING FENCE LINE
SAWCUT	NEW STORM SEWER	NEW WATER MAIN	NEW SANITARY SEWER			

NEW ITEMS:

WATER VALVE	CURB STOP	HYDRANT	MANHOLE	CURB INLET	ENDWALL	GAS WARNING
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EXISTING ITEMS:

EXISTING ROAD	EXISTING WATER MAIN	EXISTING SANITARY SEWER	EXISTING STORM SEWER	EXISTING FENCE LINE	EXISTING ROAD	EXISTING WATER MAIN	EXISTING SANITARY SEWER	EXISTING STORM SEWER	EXISTING FENCE LINE
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NOTES: 1.) EXISTING FEATURES AND LABELS ARE SHOWN WITH SCREENED, LIGHTER LINES.
2.) NEW CONCRETE IS SHOWN SHADED IN PLAN VIEWS
3.) CONCRETE REMOVALS ARE SHOWN BY CROSS-HATCHING

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

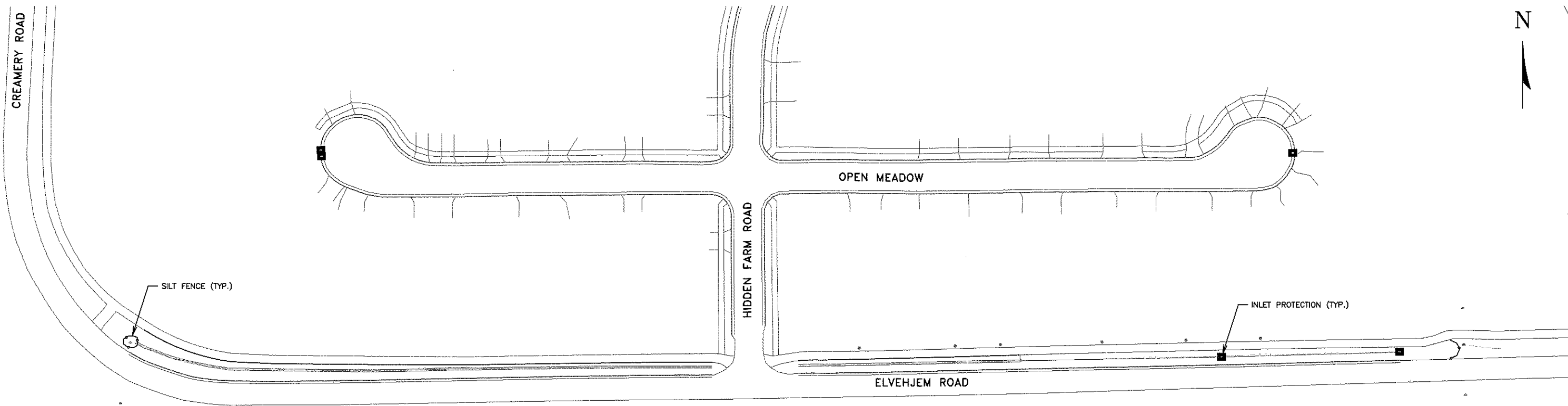
TOWN & COUNTRY
ENGINEERS, INC.

PROJECT NO.	DRAWING FILE	DATE
MC 160	MC 160 DETAILS.DWG	2-19-20

DATE	BY	REVISIONS	SHEET

2020 STORMWATER AND PATH IMPROVEMENTS
CREAMERY RD., ELVEHJEM RD., SIGHTING RD.,
OPEN MEADOW, PERROT PLACE, AND MARSH WOODS DR.
Village of McFarland, Wisconsin

DRAWN BY: J.R.K.
CHECKED BY: B.R.B.
REV. DATE:



EROSION CONTROL NOTES:

- 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 FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
- 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 SWEEPED 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.
- 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/>

2912 Marketplace Drive
Suite 103
Madison, WI 53719
(608) 273-3350
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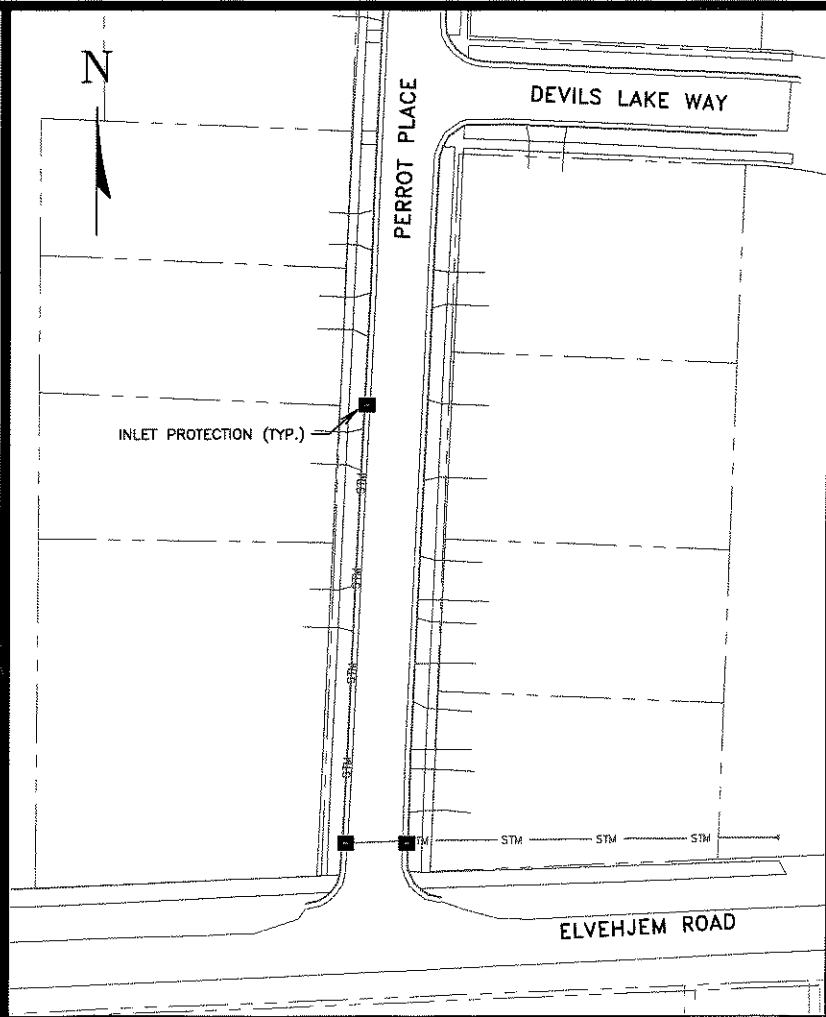
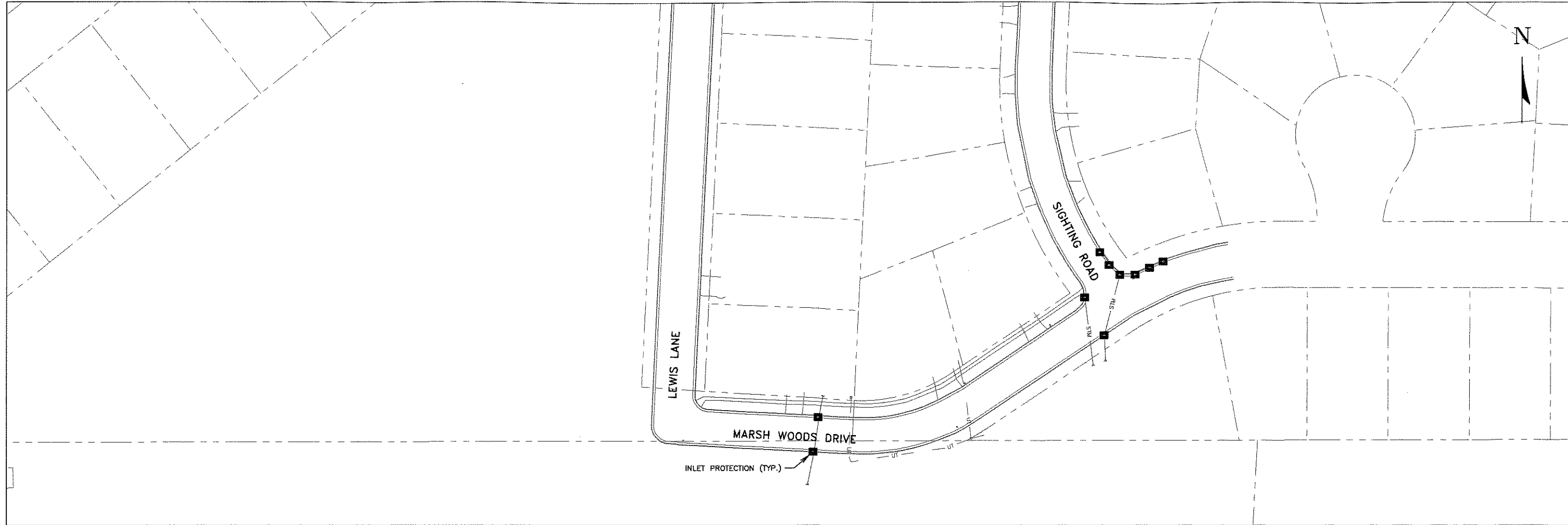
EROSION CONTROL PLAN
AND GENERAL NOTES

2020 STORMWATER AND PATH IMPROVEMENTS
CREAMERY RD., ELVEHJEM RD., SIGHTING RD.,
OPEN MEADOW, PERROT PLACE, AND MARSH WOODS DR.
Village of McFarland, Wisconsin

PROJECT NO.:
MC 160
DRAWING FILE:
MC 160 SHEETS.DWG
DRAWN BY:
J.R.K.
CHECKED BY:
B.R.B.
DATE:
2-19-20
REVISIONS:

SCALE:


SHEET:
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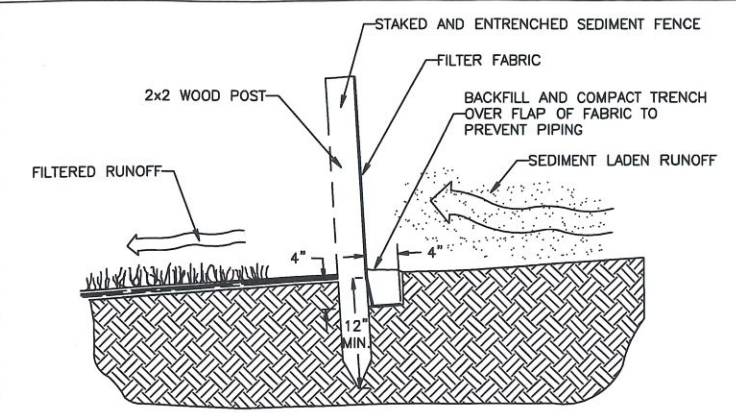
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DRAWING FILE: MC 167 SHEETS.DWG
DRAWN BY: J.R.K.
CHECKED BY: B.R.B.
DATE: 2-19-20
REVISIONS:
SCALE: 0 25 50
SHEET: 2

2020 STORMWATER AND PATH IMPROVEMENTS
CREAMERY RD., ELVEHJEM RD., SIGHTING RD.,
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Village of McFarland, Wisconsin

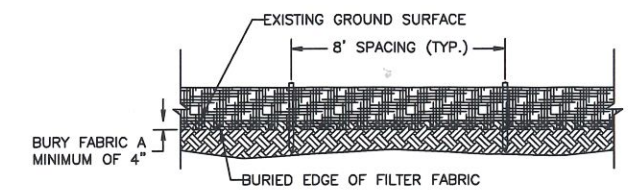
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EROSION CONTROL PLAN

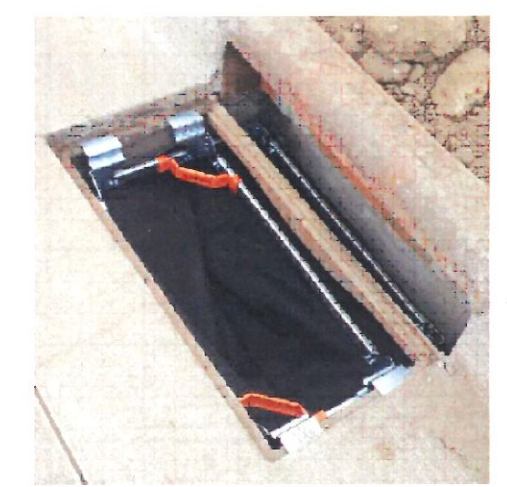
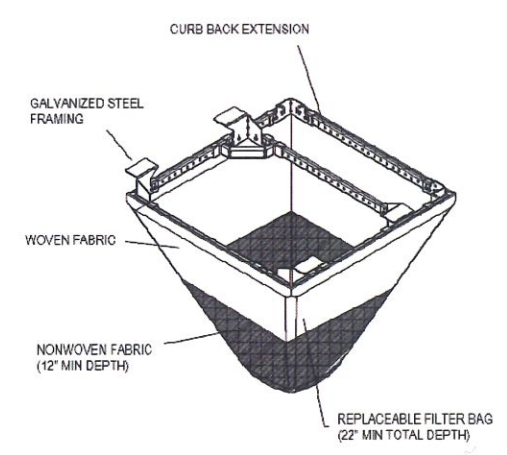


CROSS-SECTION OF A PROPERLY INSTALLED SEDIMENT FENCE



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)

2012 Marketplace Drive
Suite 103
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STANDARD CONSTRUCTION DETAILS
EROSION CONTROL

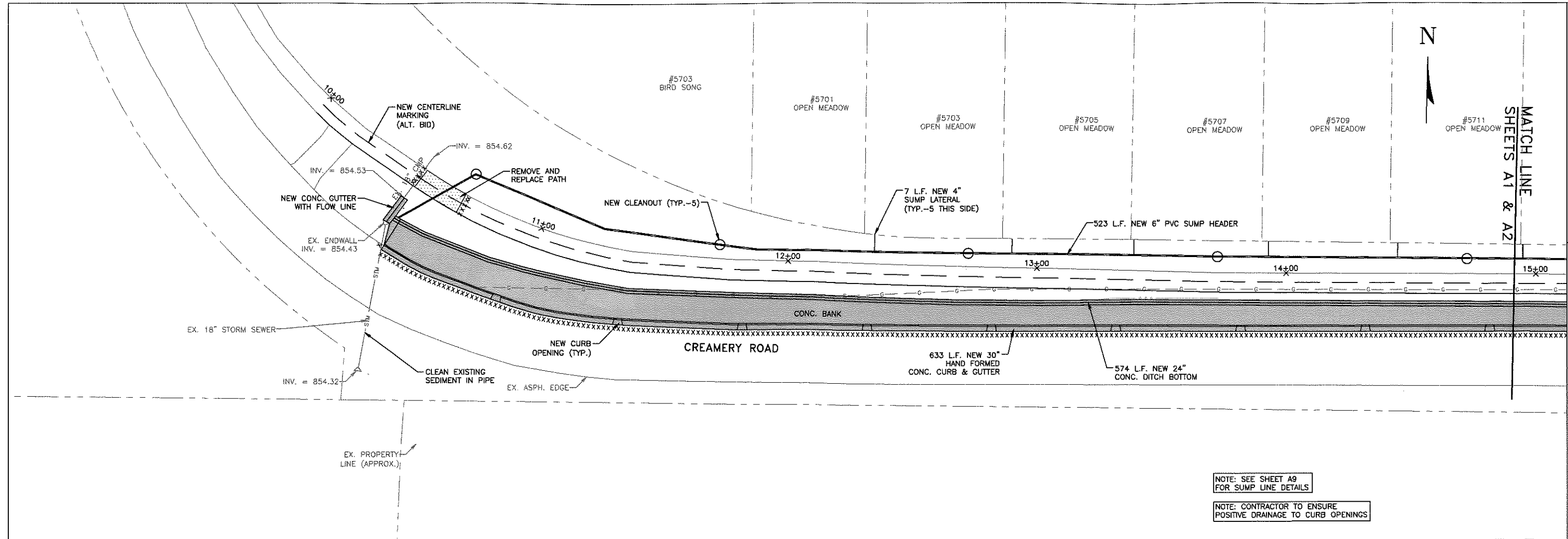
2020 STORMWATER AND PATH IMPROVEMENTS
CREAMERY RD., ELVEHEIM RD., SIGHTING RD.,
OPEN MEADOW, PERROT PLACE, AND MARSH WOODS DR.
Village of McFarland, Wisconsin

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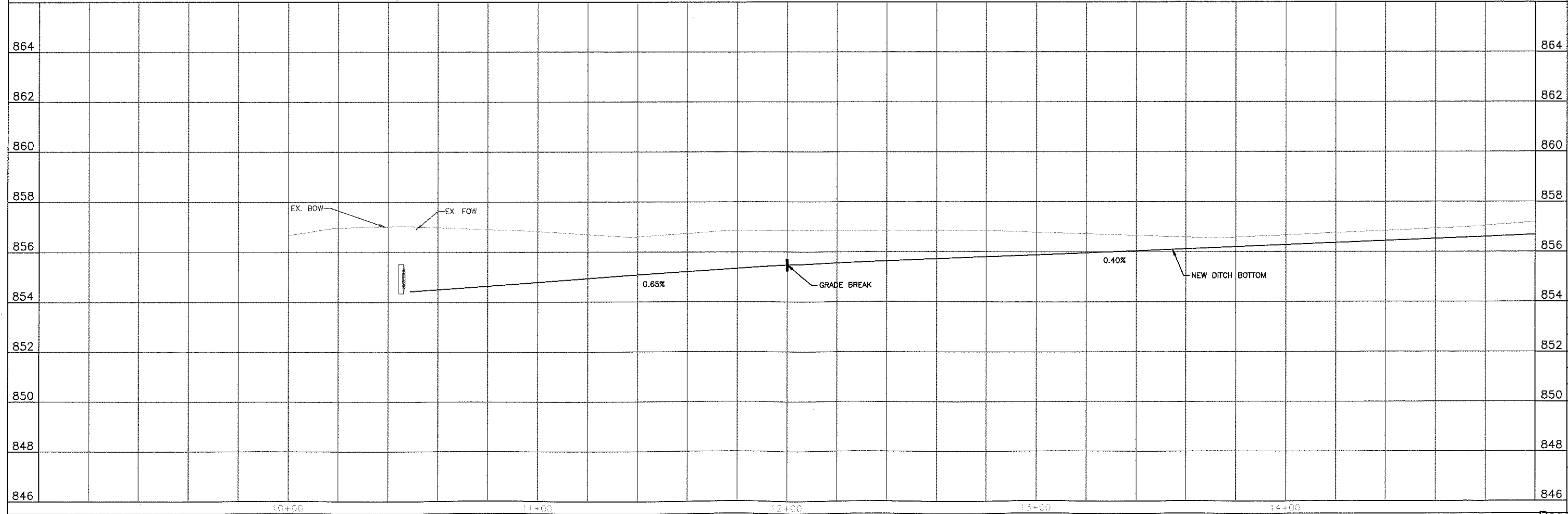
N.T.S.

SHEET:
3



NOTE: SEE SHEET A9
FOR SUMP LINE DETAILS

NOTE: CONTRACTOR TO ENSURE
POSITIVE DRAINAGE TO CURB OPENINGS



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Suite 103
Madison, WI 53719
(608) 273-3350
www.townandcountryinc.com

TOWN & COUNTRY
ENGINEERING, INC.

PLAN & PROFILE
CREAMERY ROAD
Station 9+00 To Station 15+00

2020 STORMWATER AND PATH IMPROVEMENTS
CREAMERY RD., ELVEJEM RD., SIGHTING RD.,
OPEN MEADOW, PERROT PLACE, AND MARSH WOODS DR.
Village of McFarland, Wisconsin

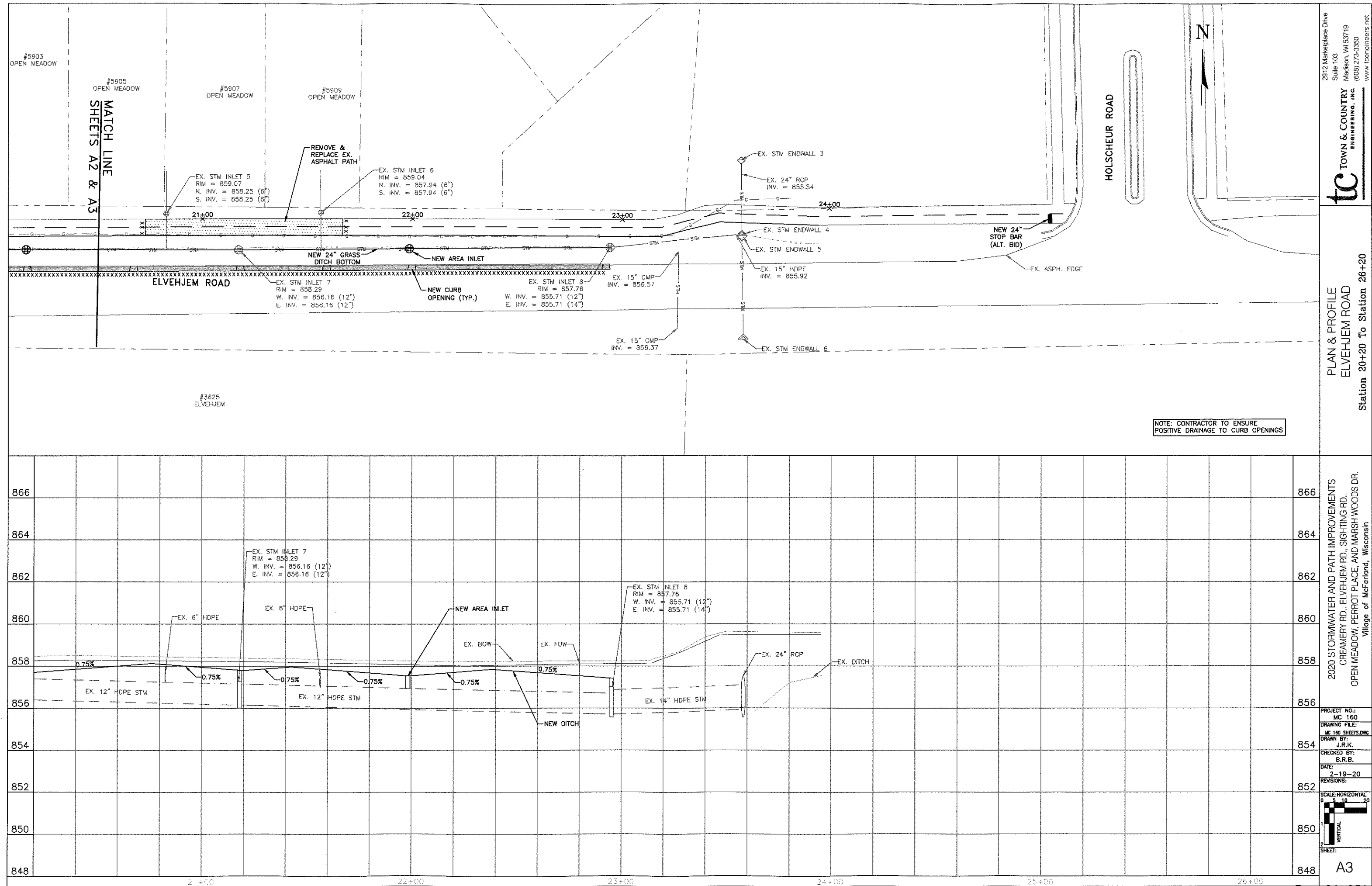
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REVISIONS:

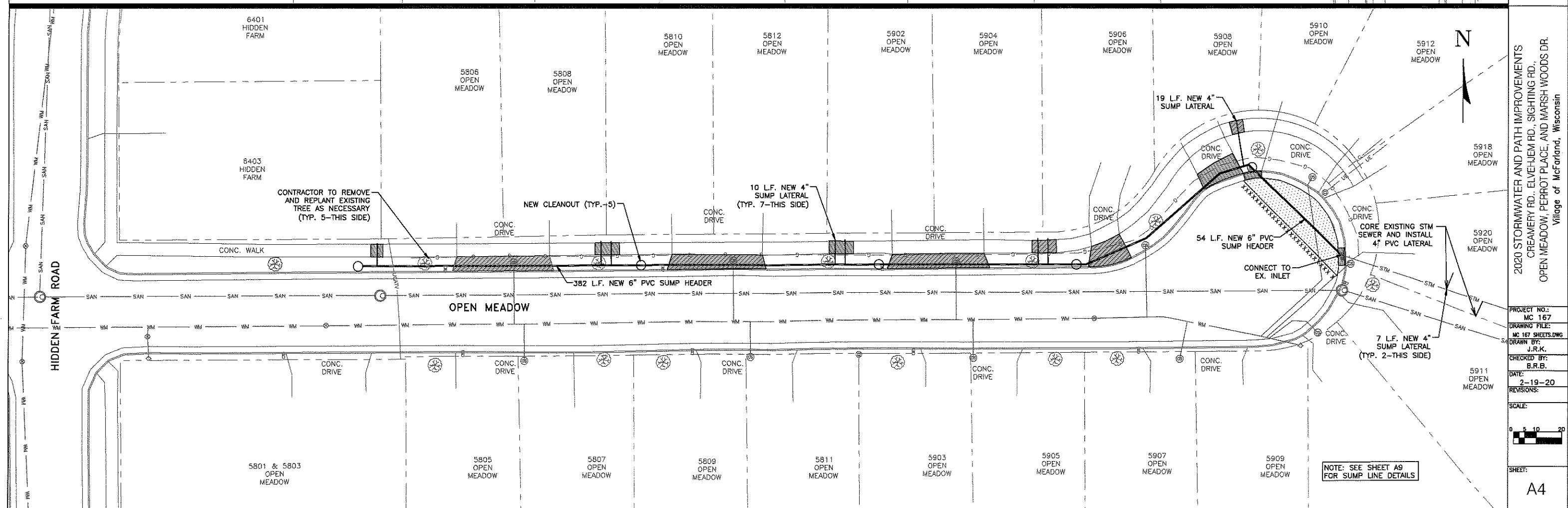
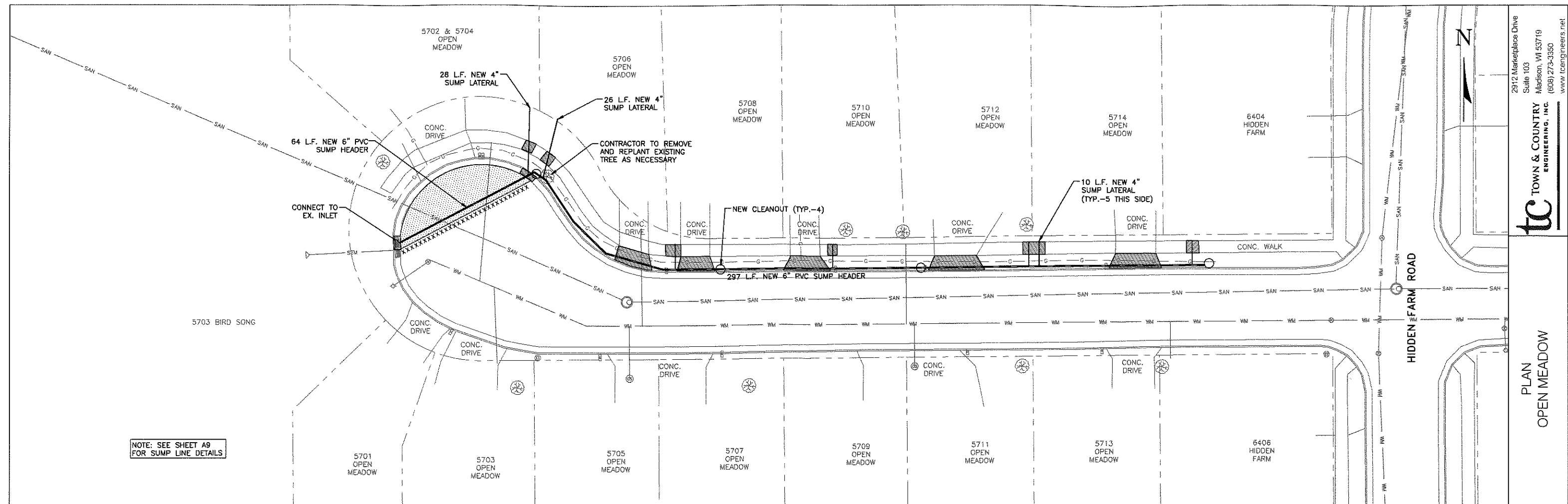
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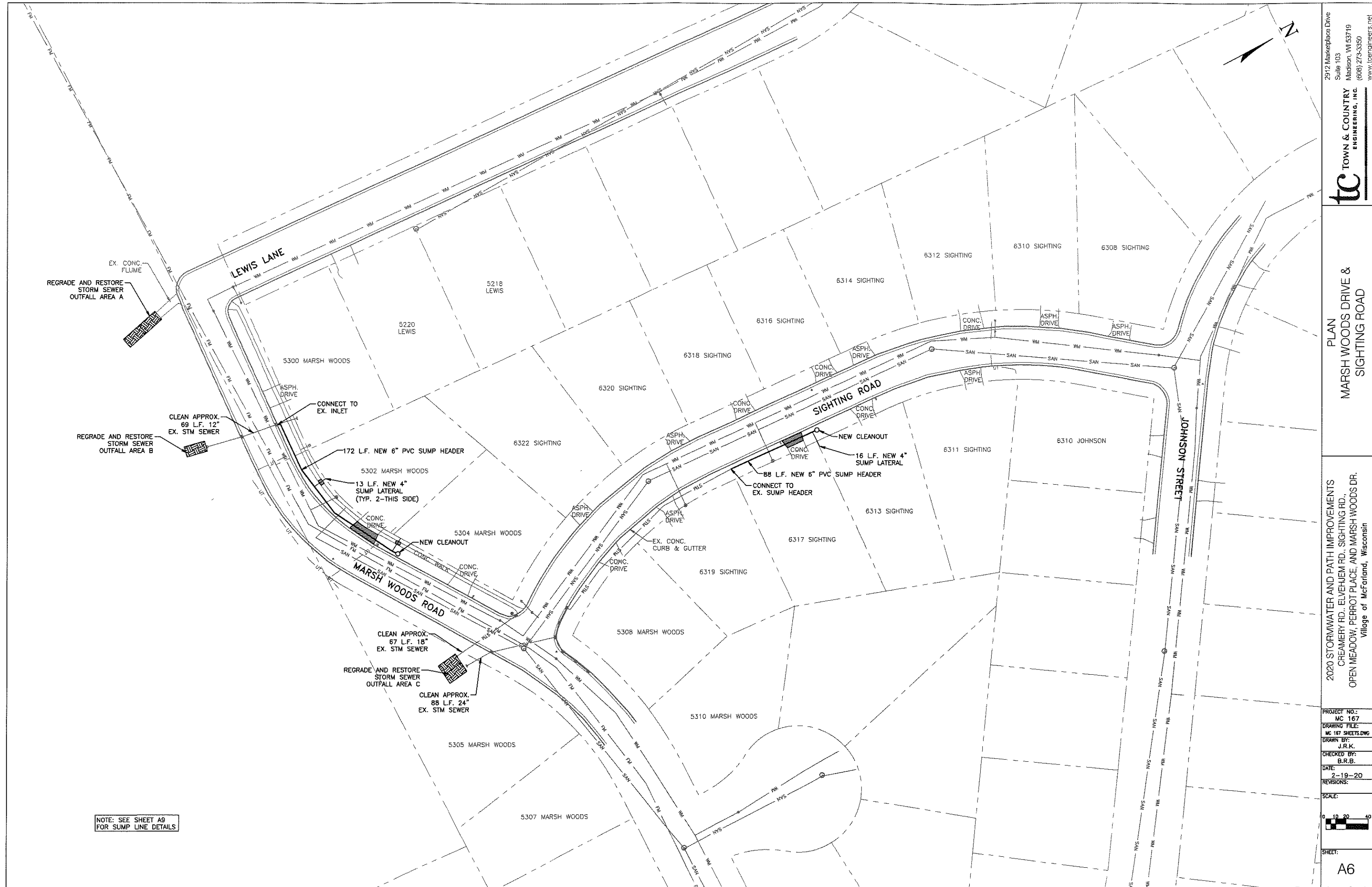
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SCALE: HORIZONTAL
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VERTICAL
1 2
SHEET:

A1

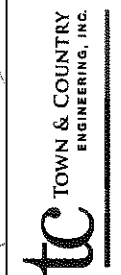






NOTE: SEE SHEET A9
FOR SUMP LINE DETAILS

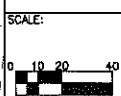
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(608) 273-3350
www.tceengineers.net



PLAN
MARSH WOODS DRIVE &
SIGHTING ROAD

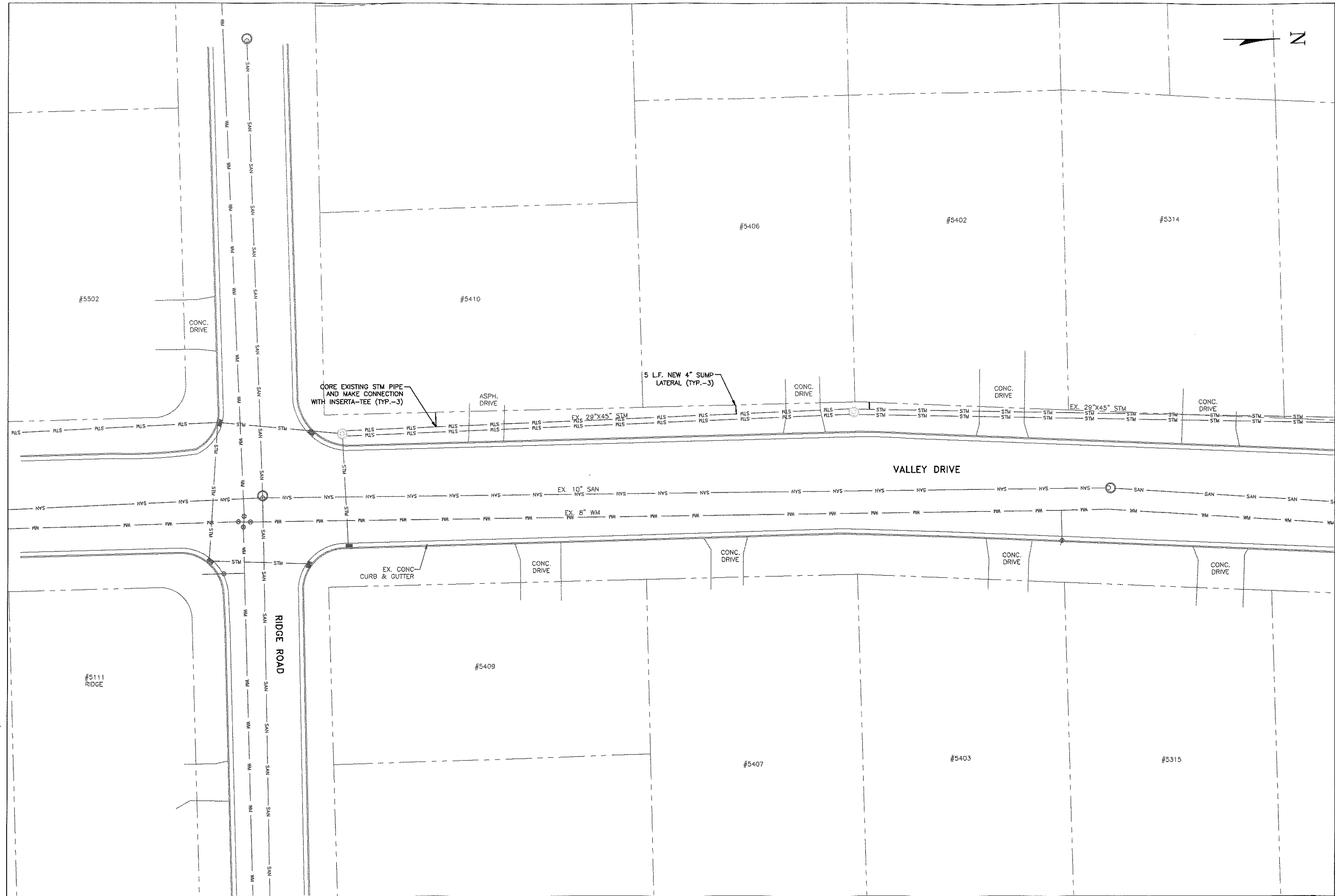
2020 STORMWATER AND PATH IMPROVEMENTS
CREAMERY RD., ELVEHEM RD., SIGHTING RD.,
OPEN MEADOW, PERROT PLACE, AND MARSH WOODS DR.
Village of McFarland, Wisconsin

PROJECT NO.:
MC 167
DRAWING FILE:
MC 167 SHEETS.DWG
DRAWN BY:
J.R.K.
CHECKED BY:
B.R.B.
DATE:
2-19-20
REVISIONS:



SHEET:

A6



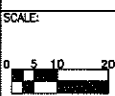
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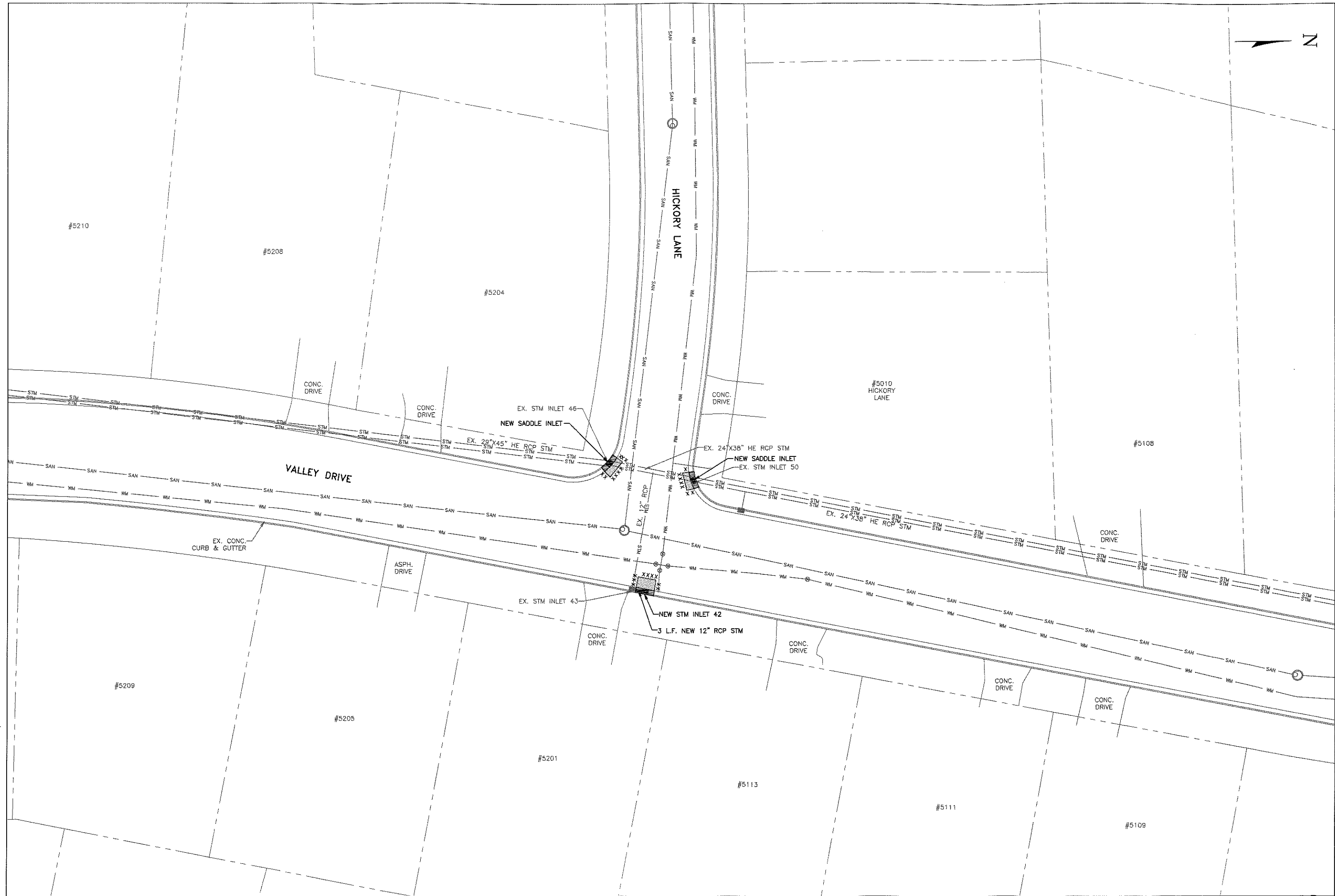
PLAN
VALLEY DRIVE

2020 STORMWATER AND PATH IMPROVEMENTS
CREAMERY RD., ELVEHEM RD., SIGHTING RD.,
OPEN MEADOW, PERROT PLACE, AND MARSH WOODS DR.
Village of McFarland, Wisconsin

PROJECT NO.:	MC 167
DRAWING FILE:	MC 167 SHEETS.DWG
DRAWN BY:	J.R.K.
CHECKED BY:	B.R.B.
DATE:	2-19-20
REVISIONS:	



SHEET:
A7



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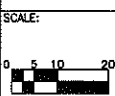


PLAN
VALLEY DRIVE

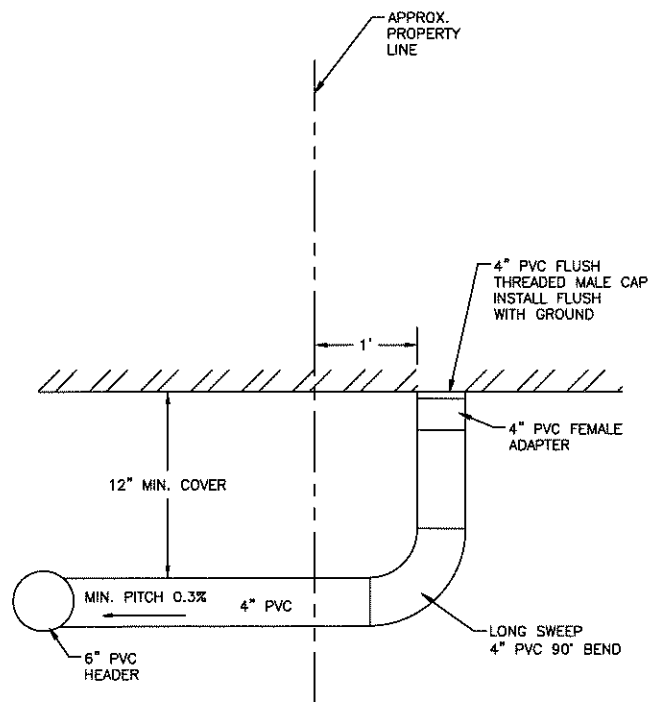
2020 STORMWATER AND PATH IMPROVEMENTS
CREAMERY RD., ELVEHEM RD., SIGHTING RD.,
OPEN MEADOW, PERROT PLACE, AND MARSH WOODS DR.
Village of McFarland, Wisconsin

PROJECT NO.:
MC 167
DRAWING FILE:
MC 167 SHEETS.DWG
DRAWN BY:
J.R.K.
CHECKED BY:
B.R.B.

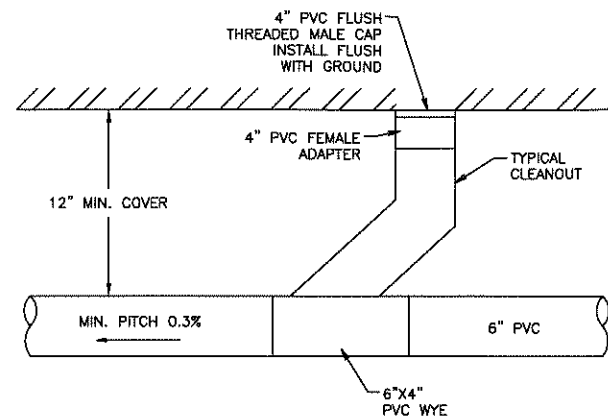
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2-19-20
REVISIONS:



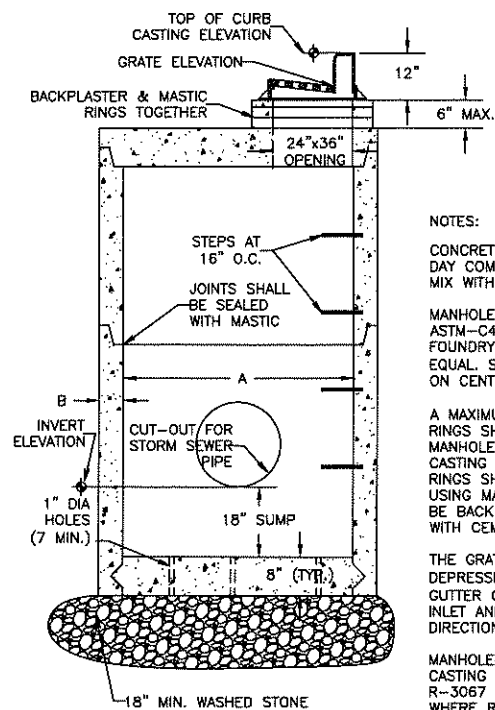
SHEET:
A8



DETAIL
STORM LATERAL TERMINATION



DETAIL
STORM SUMP HEADER

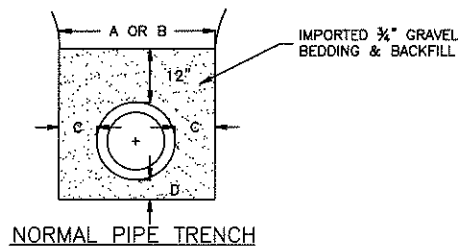


STORM MANHOLE DIMENSIONS

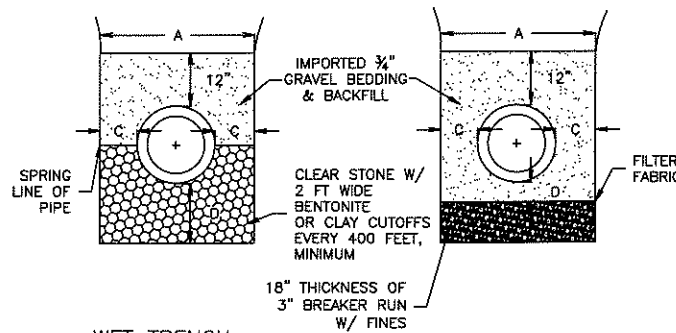
MANHOLE SIZE	A	B (MIN.)
48"	48"	5"
60"	60"	6"
72"	72"	7"
84"	84"	7"
96"	96"	9"

DETAIL
STORM SEWER MANHOLE CATCH BASIN

DIMENSIONS:
A: OUTSIDE DIAMETER OF PIPE PLUS 24" MAXIMUM, EXCEPT NEED NOT BE LESS THAN 36". TRENCH SHIELDS NARROWER THAN 4 FEET INSIDE WIDTH WILL NOT BE REQUIRED UNLESS SPECIFICALLY REQUIRED IN THE PROJECT SPECIFICATIONS.
B: FOR ROCK, OUTSIDE DIAMETER OF PIPE PLUS 18" MAXIMUM, EXCEPT NEED NOT BE LESS THAN 36".
C: MINIMUM - 6"
D: MINIMUM 4" BELOW BARREL AND 3" BELOW BELL.

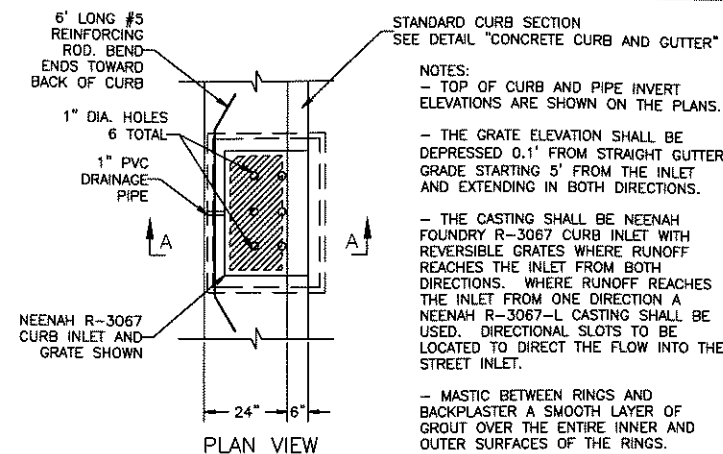


NORMAL PIPE TRENCH

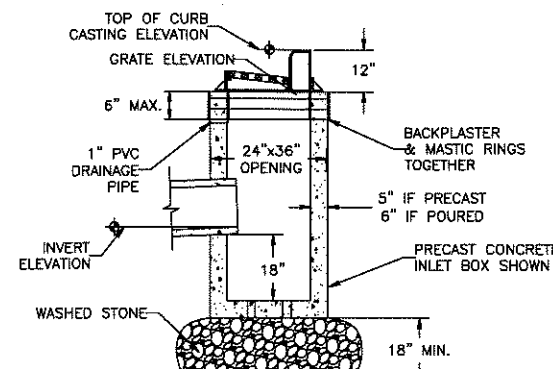


WET TRENCH
WITH SUMP DEWATERING

DETAIL
TRENCH WIDTH AND BEDDING

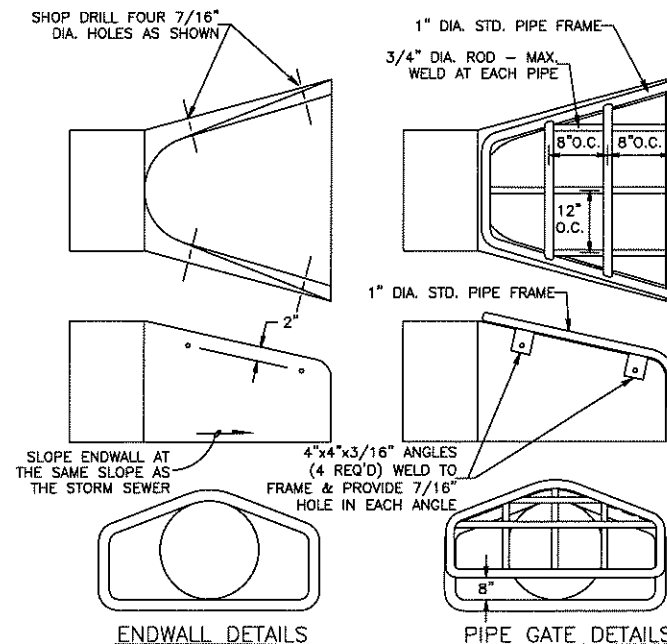


PLAN VIEW



SECTION A-A

DETAIL
RECTANGULAR CATCH BASIN



ENDWALL DETAILS

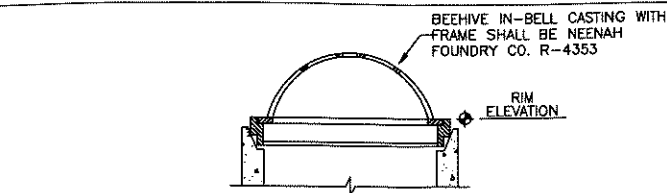
PIPE GATE DETAILS

NOTES:
- THE CONTRACTOR SHALL BOLT THE PIPE GATE TO THE CONCRETE ENDWALL WITH FOUR 3/8"x6" MACHINE BOLTS WITH NUTS ON INSIDE WALL.

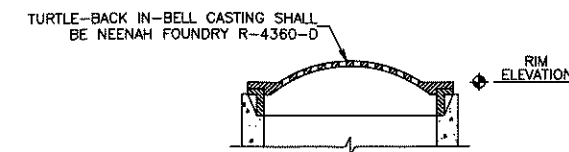
PAINTING SPECIFICATIONS:
- THE PIPE GATE SHALL RECEIVE THE FOLLOWING PREPARATION & PAINTING. THE FIRST COAT SHALL BE RUS-OLEUM X-60 RED BARE METAL PRIMER OR APPROVED EQUAL. THE SECOND COAT SHALL BE RUS-OLEUM 980 ZINC CHROMATE PRIMER OR APPROVED EQUAL. THE THIRD COAT SHALL BE RUS-OLEUM 1282 HIGH GLOSS 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.

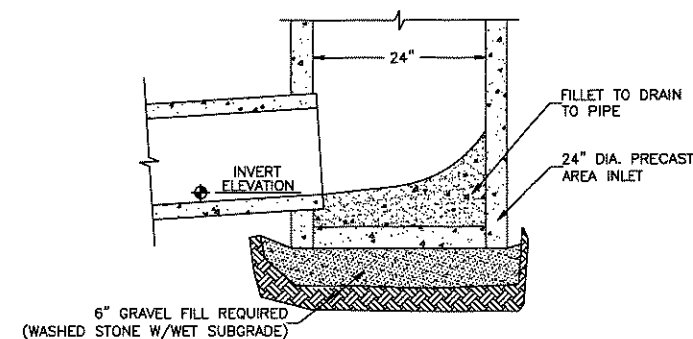
DETAIL
ENDWALLS



AREA INLET WITH BEEHIVE CASTING

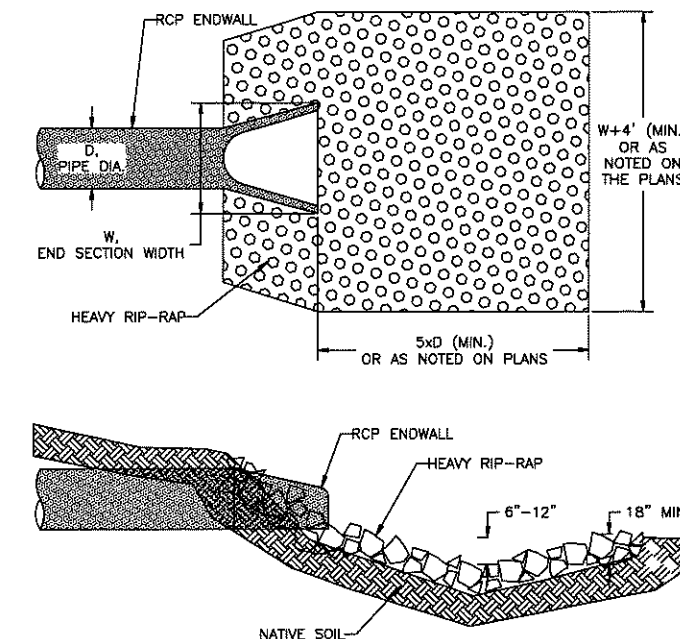


AREA INLET WITH TURTLE-BACK CASTING



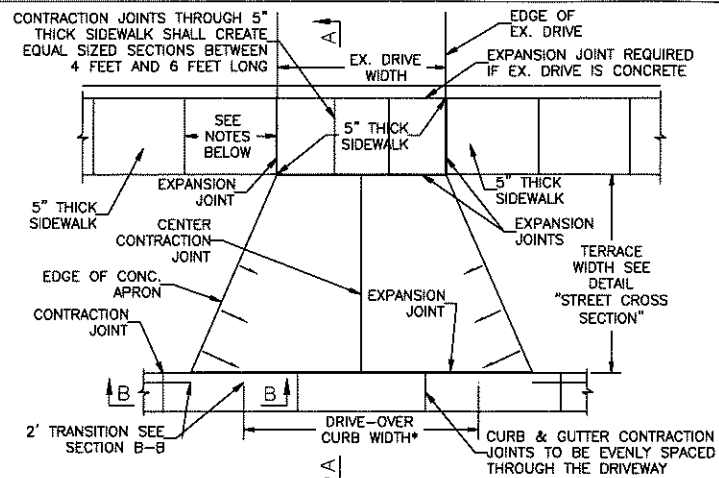
AREA INLET BOTTOM SECTION

DETAIL
AREA INLET



NOTE:
RIP-RAP SHALL BE A MINIMUM OF 2 C.Y. PER ENDWALL.

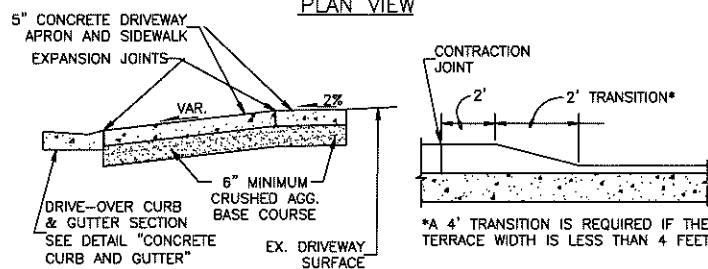
DETAIL
ENDWALL RIP-RAP



NOTES: - 5" THICK WALK WIDTH SHALL BE EQUAL TO THE EX. DRIVE WIDTH OR A MINIMUM OF 12' CENTERED ON THE EX. DRIVE. THE DRIVE-OVER CURB WIDTH SHALL BE EQUAL TO THE 5" THICK WALK WIDTH PLUS 2', CENTERED ON THE EX. DRIVE.

- CONTRACTION JOINTS IN 5" THICK SIDEWALKS SHALL BE PLACED EVERY 5'. EXPANSION JOINTS SHALL BE PLACED AT INTERVALS NOT TO EXCEED 96 FEET.

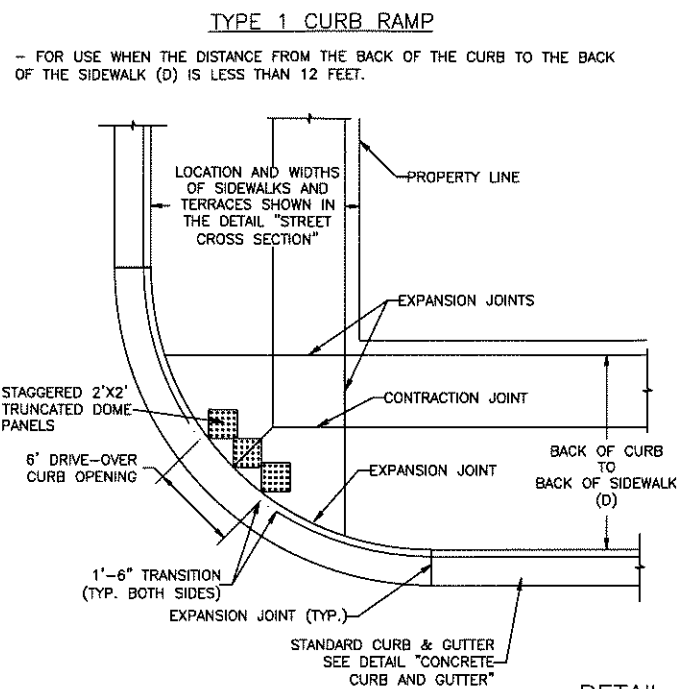
PLAN VIEW



SECTION A-A

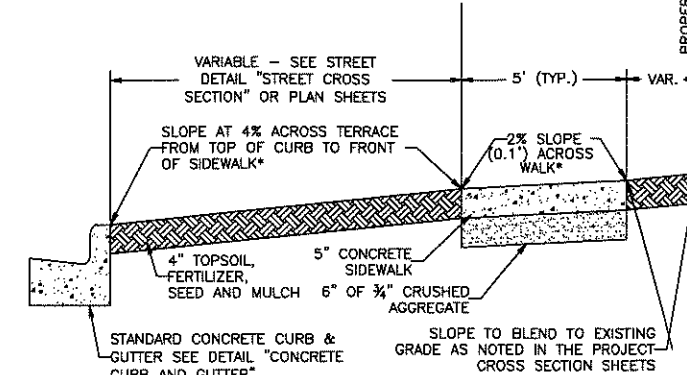
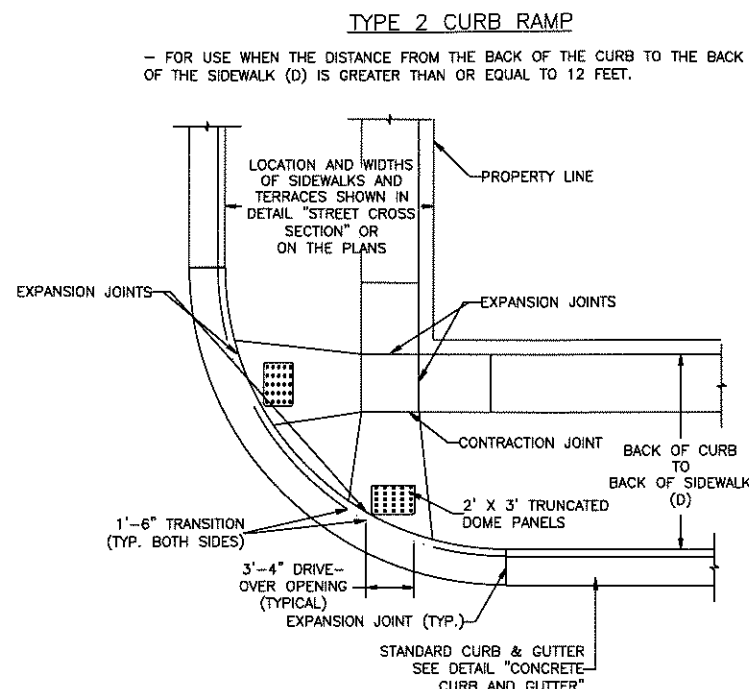
SECTION B-B

DETAIL DRIVEWAY

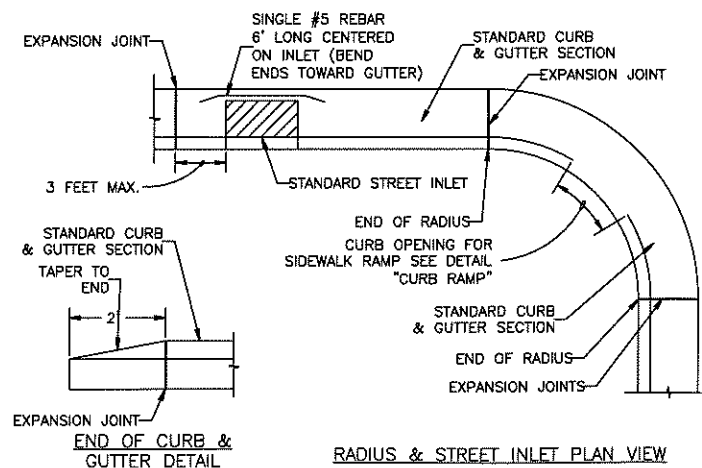
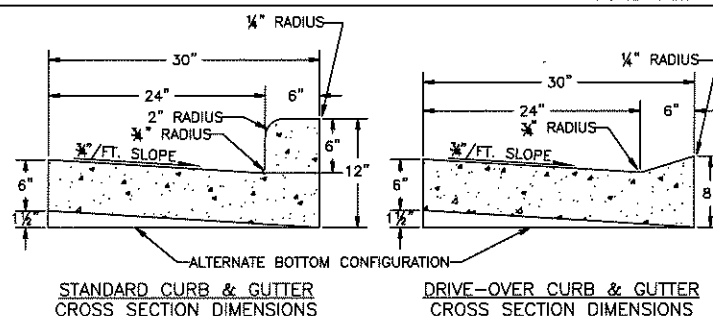


DETAIL CURB RAMP

NOTES: TRUNCATED DOME PANELS MUST TOUCH ONE CORNER TO RADIUS OF BACK OF CURB. IF MORE THAN ONE IS USED THEY MUST TOUCH OR OVERLAP. DOMES SHALL BE ALIGNED WITH CROSS WALK DIRECTION.



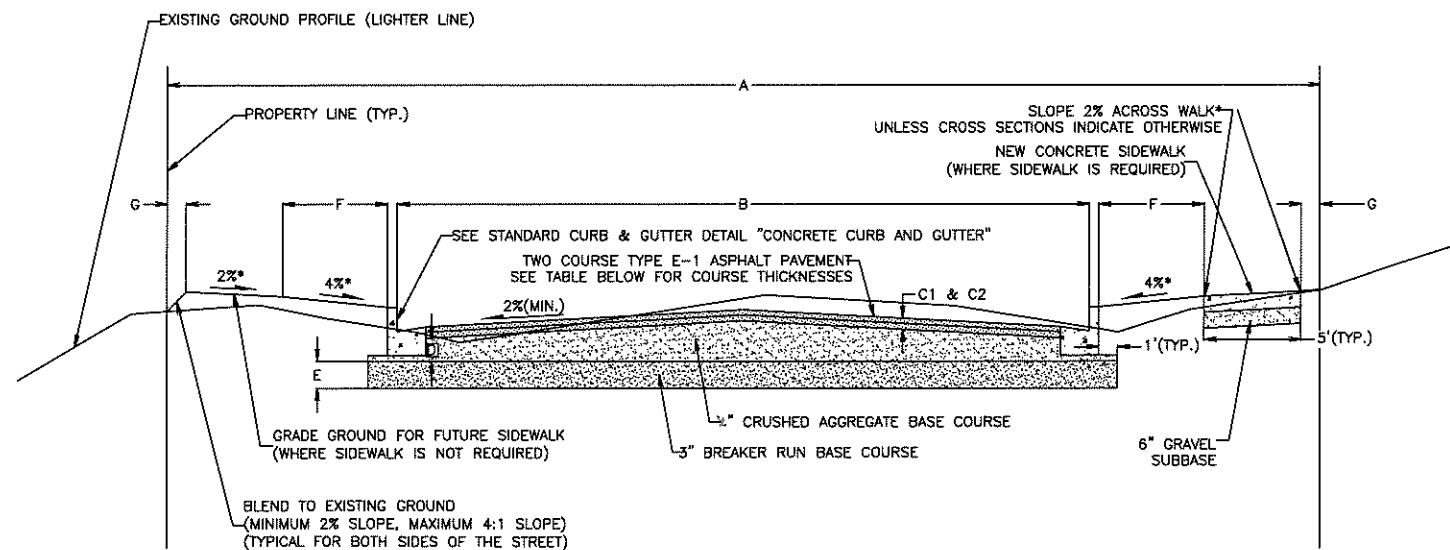
* WHERE PLAN CROSS SECTIONS CONFLICT WITH THIS DETAIL THE PLAN CROSS SECTIONS SHALL GOVERN.



NOTES: 1.) CONTRACTION JOINTS SHALL BE PLACED EVERY 6 TO 12 FEET AND AT LOCATIONS SHOWN IN THE CURB RAMP AND DRIVEWAY DETAILS.

2.) EXPANSION JOINTS SHALL BE PLACED AT EVERY END OF RADIUS, 3 FEET ON ONE SIDE OF EACH STREET INLET AND AT INTERVALS NOT TO EXCEED 300 FEET.

DETAIL CONCRETE CURB AND GUTTER



STREET NAME	A RIGHT OF WAY WIDTH	B CURB FACE TO CURB FACE WIDTH	C1 LOWER COURSE THICKNESS	C2 SURFACE COURSE THICKNESS	D 3/4" C.A.B.C. THICKNESS*	E 3" BREAKER RUN B.C. THICKNESS	F TERRACE WIDTH	G BACK OF WALK TO PROP. LINE
MULT-USE PATH	-	-	-	3"	12"	-	-	-

*WHERE PLAN CROSS SECTIONS CONFLICT WITH THIS DETAIL, THE PLAN CROSS SECTION SHALL GOVERN.

NOTES: THE CROWN OF THE ROAD SHALL BE CREATED USING THE 3/4" CRUSHED AGGREGATE BASE COURSE. THE THICKNESS SHOWN IS THE MINIMUM THICKNESS REQUIRED AS MEASURED AT THE CONCRETE CURB & GUTTER SECTION.

THE 3" BREAKER RUN BASE COURSE THICKNESS MAY NEED TO BE INCREASED DEPENDING UPON SUBGRADE CONDITIONS.

DETAIL STREET CROSS SECTION

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

10+50

12+00

13+50

11+00

12+50

13+73

11+50

13+00

14+00

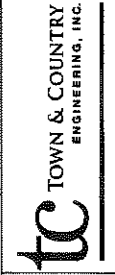
NEW GRASSED
DITCH BANK (TYP.)

NEW 30" CURB AND
GUTTER (TYP.)

NEW 4" CONC.
DITCH BANK (TYP.)

NEW 24" DITCH
BOTTOM (TYP.)

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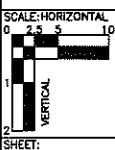


CROSS SECTIONS
CREAMERY ROAD
Station 10+50 To Station 14+50

2020 STORMWATER AND PATH IMPROVEMENTS
CREAMERY RD., ELVEJEM RD., SIGHTING RD.,
OPEN MEADOW, PERROT PLACE, AND MARSH WOODS DR.
Village of McFarland, Wisconsin

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

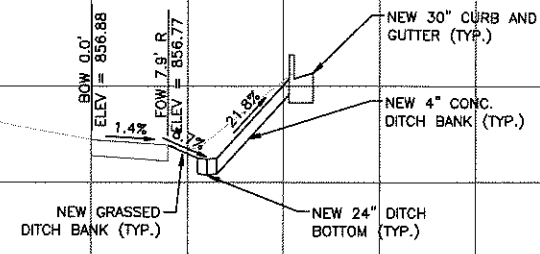
DATE:
2-19-20
REVISIONS:



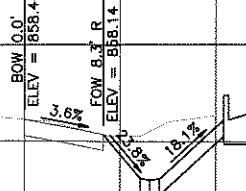
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EXISTING CONTOURS ARE DENOTED BY LIGHTER LINES.
FINISHED CONTOURS ARE DENOTED BY DARKER LINES.
DRIVE OVER CURB ELEVATIONS ARE LABELED AT FULL
CURB HEIGHT.

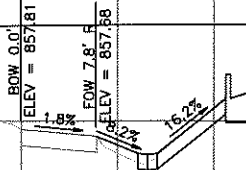
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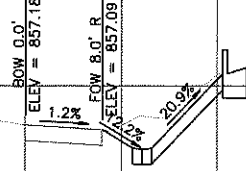
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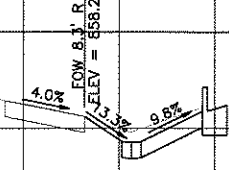
18+00



15+00



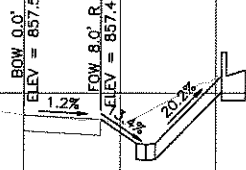
17+00



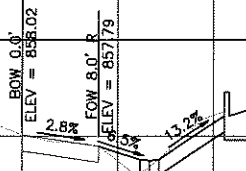
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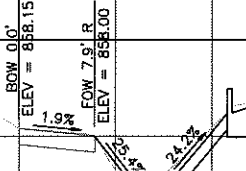
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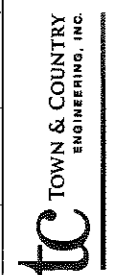
17+50



19+00



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

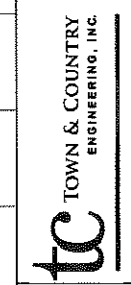
2020 STORMWATER AND PATH IMPROVEMENTS
CREAMERY RD., ELVEHJEM RD., SIGHTING RD.,
OPEN MEADOW, PERROT PLACE, AND MARSH WOODS DR.
Village of McFarland, Wisconsin

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

X2

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

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

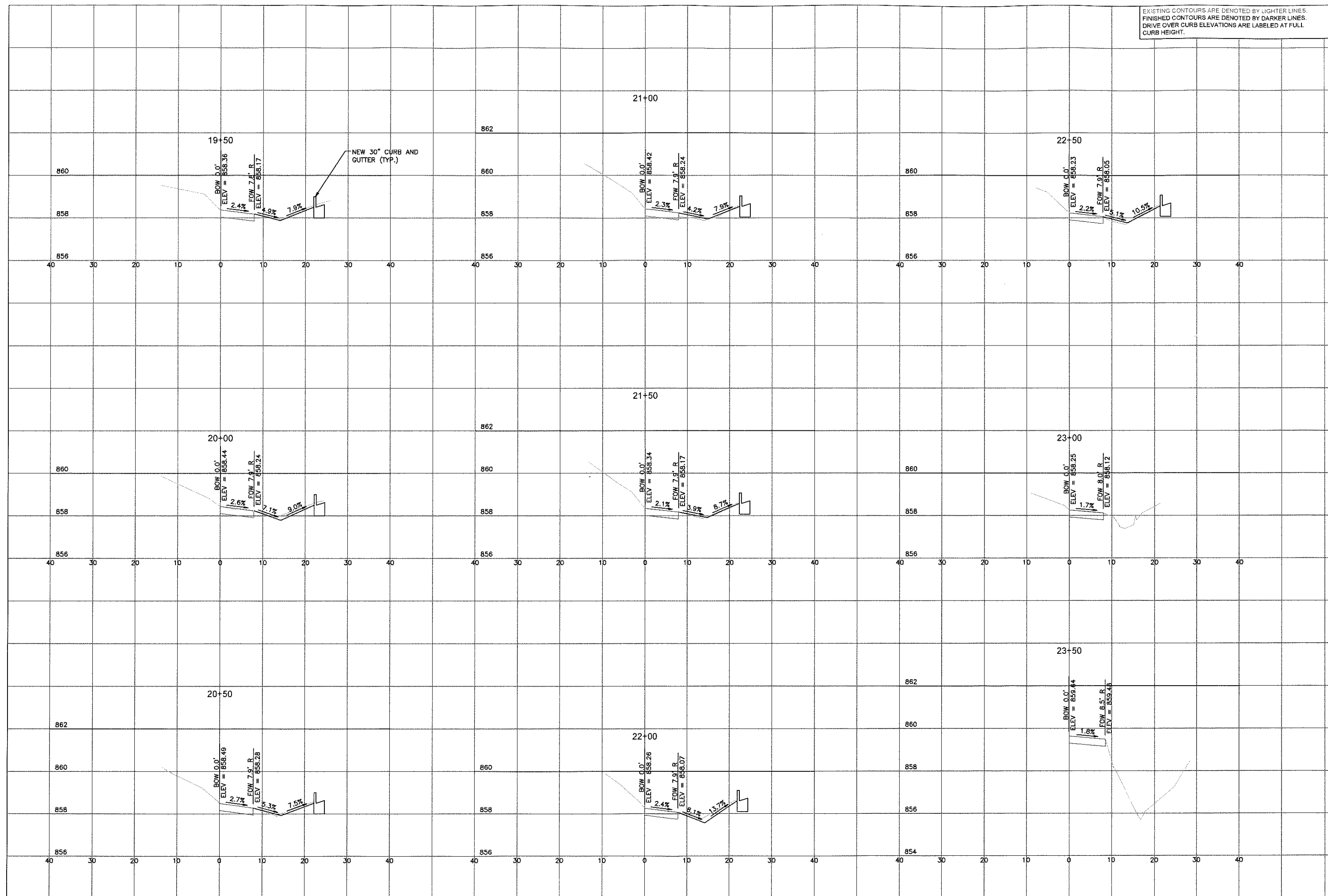
2020 STORMWATER AND PATH IMPROVEMENTS
CREAMERY RD., ELVEHJEM RD., SIGHTING RD.,
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DATE:
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SCALE: HORIZONTAL
0 2.5 5 10
VERTICAL
1 2
SHEET:

X3



BID TABULATION

PAGE 1 OF 4

Project: 2020 Stormwater and Path Improvements
 Engineer's Project Number: MC 167 Bid Deadline: March 5, 2020 at 10:00 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID		PRE-BID ESTIMATE		Nelson Excavating and Son LLC		Raymond P. Cattell Inc.	
		QUANT.	UNITS	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
BASE BID									
1.	6" PVC Sump Drain	1,690	lin. ft.	\$ 41.00	\$ 69,290.00	\$ 18.00	\$ 30,420.00	\$ 35.00	\$ 59,150.00
2.	4" PVC Sump Drain	331	lin. ft.	\$ 35.00	\$ 11,585.00	\$ 16.00	\$ 5,296.00	\$ 35.00	\$ 11,585.00
3.	12" RCP Storm Sewer	3	lin. ft.	\$ 65.00	\$ 195.00	\$ 60.00	\$ 180.00	\$ 200.00	\$ 600.00
4.	Precast Rectangular Curb Catch Basins	1	each	\$ 2,600.00	\$ 2,600.00	\$ 2,400.00	\$ 2,400.00	\$ 2,000.00	\$ 2,000.00
5.	Saddle Inlet	2	each	\$ 2,200.00	\$ 4,400.00	\$ 1,800.00	\$ 3,600.00	\$ 1,500.00	\$ 3,000.00
6.	Area Inlets	2	each	\$ 2,200.00	\$ 4,400.00	\$ 1,800.00	\$ 3,600.00	\$ 1,500.00	\$ 3,000.00
7.	Ditch Grading	1	lump sum	\$ 9,850.00	\$ 9,850.00	\$ 5,500.00	\$ 5,500.00	\$ 30,000.00	\$ 30,000.00
8.	4" Concrete Bank	6,536	sq. ft.	\$ 12.00	\$ 78,432.00	\$ 6.00	\$ 39,216.00	\$ 6.00	\$ 39,216.00
9.	24" Ditch Gutter	811	lin. ft.	\$ 32.00	\$ 25,952.00	\$ 20.00	\$ 16,220.00	\$ 30.00	\$ 24,330.00
10.	Path Pavement Removal	128	sq. yd.	\$ 5.00	\$ 637.78	\$ 5.00	\$ 637.78	\$ 18.00	\$ 2,296.00
11.	0.75" Crushed Aggregate Base Course	499	tons	\$ 16.00	\$ 7,990.40	\$ 16.00	\$ 7,990.40	\$ 25.00	\$ 12,485.00
12.	3" Hot Mix Asphalt Surface Course, Type 5 LT	32	tons	\$ 95.00	\$ 3,030.50	\$ 210.00	\$ 6,699.00	\$ 205.00	\$ 6,539.50
13.	3" Type 5 LT Asphalt Path (8 feet wide)	25	tons	\$ 95.00	\$ 2,403.50	\$ 185.00	\$ 4,680.50	\$ 180.00	\$ 4,554.00
14.	Sawcutting Existing Concrete and Asphalt Pavements	1,483	lineal ft.	\$ 5.00	\$ 7,415.00	\$ 1.50	\$ 2,224.50	\$ 1.50	\$ 2,224.50
15.	Remove and Replace 30" Concrete Curb & Gutter (< 50-foot sections)	31	lineal ft.	\$ 32.00	\$ 992.00	\$ 40.00	\$ 1,240.00	\$ 60.00	\$ 1,860.00
16.	New 30" Hand-Formed Concrete Curb & Gutter	1,314	lineal ft.	\$ 35.00	\$ 45,990.00	\$ 26.00	\$ 34,164.00	\$ 22.00	\$ 28,908.00
17.	Remove and Replace 5" Thick Concrete Sidewalk and Driveway Approaches	2,893	sq. ft.	\$ 10.50	\$ 30,376.50	\$ 6.00	\$ 17,358.00	\$ 10.00	\$ 28,930.00
18.	Topsoil Restoration, Seeding, Fertilizing & Mulching	1,698	sq. yds.	\$ 7.00	\$ 11,886.78	\$ 2.75	\$ 4,669.81	\$ 6.00	\$ 10,188.67
19.	Clean Existing 12" Storm Sewer	69	lin. ft.	\$ 8.00	\$ 552.00	\$ 8.00	\$ 552.00	\$ 15.00	\$ 1,035.00
20.	Clean Existing 18" Storm Sewer	122	lin.ft.	\$ 12.00	\$ 1,464.00	\$ 8.00	\$ 976.00	\$ 20.00	\$ 2,440.00
21.	Clean Existing 24" Storm Sewer	88	lin. ft.	\$ 15.00	\$ 1,320.00	\$ 8.00	\$ 704.00	\$ 25.00	\$ 2,200.00
22.	Regrade and Restore Storm Sewer Outfall Area A	1	lump sum	\$ 5,000.00	\$ 5,000.00	\$ 500.00	\$ 500.00	\$ 2,000.00	\$ 2,000.00
23.	Regrade and Restore Storm Sewer Outfall Area B	1	lump sum	\$ 5,000.00	\$ 5,000.00	\$ 500.00	\$ 500.00	\$ 1,500.00	\$ 1,500.00
24.	Regrade and Restore Storm Sewer Outfall Area C	1	lump sum	\$ 6,000.00	\$ 6,000.00	\$ 500.00	\$ 500.00	\$ 2,500.00	\$ 2,500.00
25.	Erosion Control	1	lump sum	\$ 10,000.00	\$ 10,000.00	\$ 4,300.00	\$ 4,300.00	\$ 6,800.00	\$ 6,800.00
26.	Traffic Control	1	lump sum	\$ 12,000.00	\$ 12,000.00	\$ 800.00	\$ 800.00	\$ 9,000.00	\$ 9,000.00
	BASE BID TOTAL				\$ 358,762.46		\$ 194,927.98		\$ 298,341.67

BID TABULATION

PAGE 2 OF 4

Project: 2020 Stormwater and Path Improvements

Engineer's Project Number: MC 167

Bid Deadline: March 5, 2020 at 10:00 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID QUANT.	UNITS	PRE-BID ESTIMATE		Nelson Excavating and Son LLC		Raymond P. Cattell Inc.	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
ALTERNATE BID NO. 1 - PATH SEAL COATING									
A1-1.	Crack Filling and Seal Coating	1,311	sq. yds.	\$ 6.00	\$ 7,866.00	\$ 4.00	\$ 5,244.00	\$ 3.95	\$ 5,178.45
A1-2.	Permanent Pavement Markings	1	lump sum	\$ 2,000.00	\$ 2,000.00	\$ 6,000.00	\$ 6,000.00	\$ 4,726.00	\$ 4,726.00
	ALTERNATE BID NO. 1 TOTAL				\$ 9,866.00		\$ 11,244.00		\$ 9,904.45
ALTERNATE BID NO. 2 - PATH RECONSTRUCTION									
A2-1.	Pulverizing and Grading of Existing Asphalt Pavemnet	1,311	sq. yds.	\$ 5.00	\$ 6,555.00	\$ 1.60	\$ 2,097.60	\$ 3.50	\$ 4,588.50
A2-2.	3" Type 5 LT Asphalt Path (8 feet wide)	250	tons	\$ 95.00	\$ 23,750.00	\$ 90.00	\$ 22,500.00	\$ 88.00	\$ 22,000.00
A2-3.	Permanent Pavement Markings	1	lump sum	\$ 2,000.00	\$ 2,000.00	\$ 6,000.00	\$ 6,000.00	\$ 4,726.00	\$ 4,726.00
	ALTERNATE BID NO. 2 TOTAL				\$ 32,305.00		\$ 30,597.60		\$ 31,314.50

BID TABULATION

PAGE 3 OF 4

Project: 2020 Stormwater and Path Improvements
 Engineer's Project Number: MC 167 Bid Deadline: March 5, 2020 at 10:00 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID QUANT.	UNITS	Badgerland Excavating Corp. UNIT PRICE	AMOUNT	G-Pro Excavating LLC UNIT PRICE	AMOUNT		
BASE BID									
1.	6" PVC Sump Drain	1,690	lin. ft.	\$ 35.00	\$ 59,150.00	\$ 36.00	\$ 60,840.00		
2.	4" PVC Sump Drain	331	lin. ft.	\$ 45.00	\$ 14,895.00	\$ 26.00	\$ 8,606.00		
3.	12" RCP Storm Sewer	3	lin. ft.	\$ 200.00	\$ 600.00	\$ 400.00	\$ 1,200.00		
4.	Precast Rectangular Curb Catch Basins	1	each	\$ 1,800.00	\$ 1,800.00	\$ 2,000.00	\$ 2,000.00		
5.	Saddle Inlet	2	each	\$ 2,000.00	\$ 4,000.00	\$ 2,600.00	\$ 5,200.00		
6.	Area Inlets	2	each	\$ 1,200.00	\$ 2,400.00	\$ 3,000.00	\$ 6,000.00		
7.	Ditch Grading	1	lump sum	\$ 27,000.00	\$ 27,000.00	\$ 19,000.00	\$ 19,000.00		
8.	4" Concrete Bank	6,536	sq. ft.	\$ 7.00	\$ 45,752.00	\$ 5.00	\$ 32,680.00		
9.	24" Ditch Gutter	811	lin. ft.	\$ 22.00	\$ 17,842.00	\$ 18.00	\$ 14,598.00		
10.	Path Pavement Removal	128	sq. yd.	\$ 4.00	\$ 510.22	\$ 10.00	\$ 1,275.56		
11.	0.75" Crushed Aggregate Base Course	499	tons	\$ 20.00	\$ 9,988.00	\$ 16.70	\$ 8,339.98		
12.	3" Hot Mix Asphalt Surface Course, Type 5 LT	32	tons	\$ 155.00	\$ 4,944.50	\$ 205.00	\$ 6,539.50		
13.	3" Type 5 LT Asphalt Path (8 feet wide)	25	tons	\$ 155.00	\$ 3,921.50	\$ 180.00	\$ 4,554.00		
14.	Sawcutting Existing Concrete and Asphalt Pavements	1,483	lineal ft.	\$ 1.50	\$ 2,224.50	\$ 3.00	\$ 4,449.00		
15.	Remove and Replace 30" Concrete Curb & Gutter (< 50-foot sections)	31	lineal ft.	\$ 55.00	\$ 1,705.00	\$ 55.00	\$ 1,705.00		
16.	New 30" Hand-Formed Concrete Curb & Gutter	1,314	lineal ft.	\$ 30.00	\$ 39,420.00	\$ 30.00	\$ 39,420.00		
17.	Remove and Replace 5" Thick Concrete Sidewalk and Driveway Approaches	2,893	sq. ft.	\$ 7.40	\$ 21,408.20	\$ 12.00	\$ 34,716.00		
18.	Topsoil Restoration, Seeding, Fertilizing & Mulching	1,698	sq. yds.	\$ 2.50	\$ 4,245.28	\$ 7.75	\$ 13,160.36		
19.	Clean Existing 12" Storm Sewer	69	lin. ft.	\$ 50.00	\$ 3,450.00	\$ 10.00	\$ 690.00		
20.	Clean Existing 18" Storm Sewer	122	lin. ft.	\$ 50.00	\$ 6,100.00	\$ 12.00	\$ 1,464.00		
21.	Clean Existing 24" Storm Sewer	88	lin. ft.	\$ 50.00	\$ 4,400.00	\$ 14.00	\$ 1,232.00		
22.	Regrade and Restore Storm Sewer Outfall Area A	1	lump sum	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00		
23.	Regrade and Restore Storm Sewer Outfall Area B	1	lump sum	\$ 1,000.00	\$ 1,000.00	\$ 1,800.00	\$ 1,800.00		
24.	Regrade and Restore Storm Sewer Outfall Area C	1	lump sum	\$ 1,000.00	\$ 1,000.00	\$ 2,500.00	\$ 2,500.00		
25.	Erosion Control	1	lump sum	\$ 5,000.00	\$ 5,000.00	\$ 14,250.00	\$ 14,250.00		
26.	Traffic Control	1	lump sum	\$ 15,000.00	\$ 15,000.00	\$ 21,000.00	\$ 21,000.00		
	BASE BID TOTAL				\$ 298,756.20		\$ 309,219.40		

BID TABULATION

PAGE 4 OF 4

Project: 2020 Stormwater and Path Improvements
 Engineer's Project Number: MC 167 Bid Deadline: March 5, 2020 at 10:00 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID QUANT.	UNITS	Badgerland Excavating Corp.		G-Pro Excavating LLC			
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT		
ALTERNATE BID NO. 1 - PATH SEAL COATING									
A1-1.	Crack Filling and Seal Coating	1,311	sq. yds.	\$ 2.25	\$ 2,949.75	\$ 4.00	\$ 5,244.00		
A1-2.	Permanent Pavement Markings	1	lump sum	\$ 5,500.00	\$ 5,500.00	\$ 5,595.00	\$ 5,595.00		
	ALTERNATE BID NO. 1 TOTAL				\$ 8,449.75		\$ 10,839.00		
ALTERNATE BID NO. 2 - PATH SEAL COATING									
A2-1.	Pulverizing and Grading of Existing Asphalt Pavemnet	1,311	sq. yds.	\$ 3.50	\$ 4,588.50	\$ 4.25	\$ 5,571.75		
A2-2.	3" Type 5 LT Asphalt Path (8 feet wide)	250	tons	\$ 96.00	\$ 24,000.00	\$ 87.00	\$ 21,750.00		
A2-3.	Permanent Pavement Markings	1	lump sum	\$ 5,500.00	\$ 5,500.00	\$ 5,595.00	\$ 5,595.00		
	ALTERNATE BID NO. 2 TOTAL				\$ 34,088.50		\$ 32,916.75		



VILLAGE BOARD SUMMARY SHEET

MEETING DATE: Tuesday, March 10, 2020

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. Joint PU and PW 3.10.2020 Director's Report

PUBLIC WORKS COMMITTEE

March 10, 2020

PUBLIC UTILITIES COMMITTEE

March 17, 2020

Public Works Directors Report

for

February 2020

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.

Snow Events/ Plowing Operations

The department handled various snow events as listed below.

- February 9, plowing and salting
- February 13, plowing and salting

Storm Sewer Clearing

Several storm catch basins were opened up to allow additional flow due to warmer temperatures.

Tree Trimming

Continuing operations of trimming various trees along the streets and in the parks.

Meetings/Training/Seminars

Kelln & Brandt attended a waterworks distribution seminar

Hessling participated in the following:

- APWA monthly board meeting
- MAMSWaP meeting
- MMSD customer meeting

2019 WATER SYSTEM IMPACT FEES

Collected in Month	2020 Fees	2019 Fees	2020 Impact Fee Distribution		
			Tower	Main	Well
January	1,950.00	2,600.00	1,099.44	312.00	538.56
February	4,550.00	6,500.00	2,565.36	728.00	1,256.64
March	-	1,950.00	-	-	-
1st Quarter Total	6,500.00	11,050.00	3,664.80	1,040.00	1,795.20
April	-	10,400.00	-	-	-
May	-	1,950.00	-	-	-
June	-	9,100.00	-	-	-
2nd Quarter Total	-	21,450.00	-	-	-
July	-	1,950.00	-	-	-
August	-	650.00	-	-	-
September	-	1,300.00	-	-	-
3rd Quarter Total	-	3,900.00	-	-	-
October	-	7,151.00	-	-	-
November	-	6,500.00	-	-	-
December	-	7,150.00	-	-	-
4th Quarter Total	-	20,801.00	-	-	-

HISTORICAL WATER IMPACT FEE TOTALS

2020 Total	6,500.00		3,664.80	1,040.00	1,795.20
2019 Total	57,201.00		32,250.79	9,152.16	15,798.05
2018 Total	71,501.00		40,313.34	11,440.16	19,747.50
2017 Total	60,801.20		34,281.17	9,728.00	16,792.03
2016 Total	38,026.00		23,708.24	5,252.00	9,065.76
2015 Total	5,851.00		3,298.92	936.00	1,616.08
2014 Total	7,150.00		4,031.28	1,144.00	1,974.72
2013 Total	21,125.00		11,910.59	3,380.00	5,834.41
2012 Total	13,650.00		7,696.08	2,184.00	3,769.92
2011 Total	12,350.00		6,963.12	1,976.00	3,410.88
2010 Total	5,200.00		2,931.84	832.00	1,436.16
2009 Total	7,150.00		4,031.26	1,144.00	1,974.74
2008 Total	10,400.00		5,863.62	1,664.00	2,872.38
2007 Total	34,451.00		19,423.88	5,512.16	9,514.96
2006 Total	28,927.00		16,309.33	4,628.32	7,989.35
2005 Total	52,326.00		29,501.92	8,372.16	14,451.92
2004 Total	77,679.00		43,796.20	12,428.64	21,454.16
2003 Total	59,802.00		33,716.97	9,568.32	16,516.71
2002 Total	69,625.00		39,255.27	11,140.00	19,229.73
2001 Total	55,271.50		31,162.62	8,843.44	15,265.44
2000 Total	56,701.00		31,968.59	9,072.16	15,660.25
1999 Total	55,388.00		31,228.31	8,862.08	15,297.61
1998 Total	14,581.73		8,221.33	2,333.08	4,027.32
Grand Total	\$ 815,157.43	\$ -	\$ 461,864.67	\$ 129,592.68	\$ 223,700.08

\$650=	\$366.48	\$104.00	\$179.52
\$1300=	\$732.96	\$208.00	\$359.04

Tower= .56381, Main=.16, Well=.27619