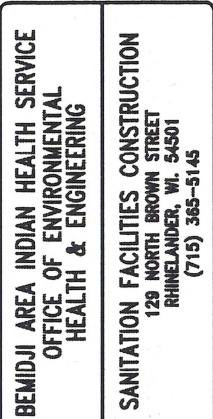
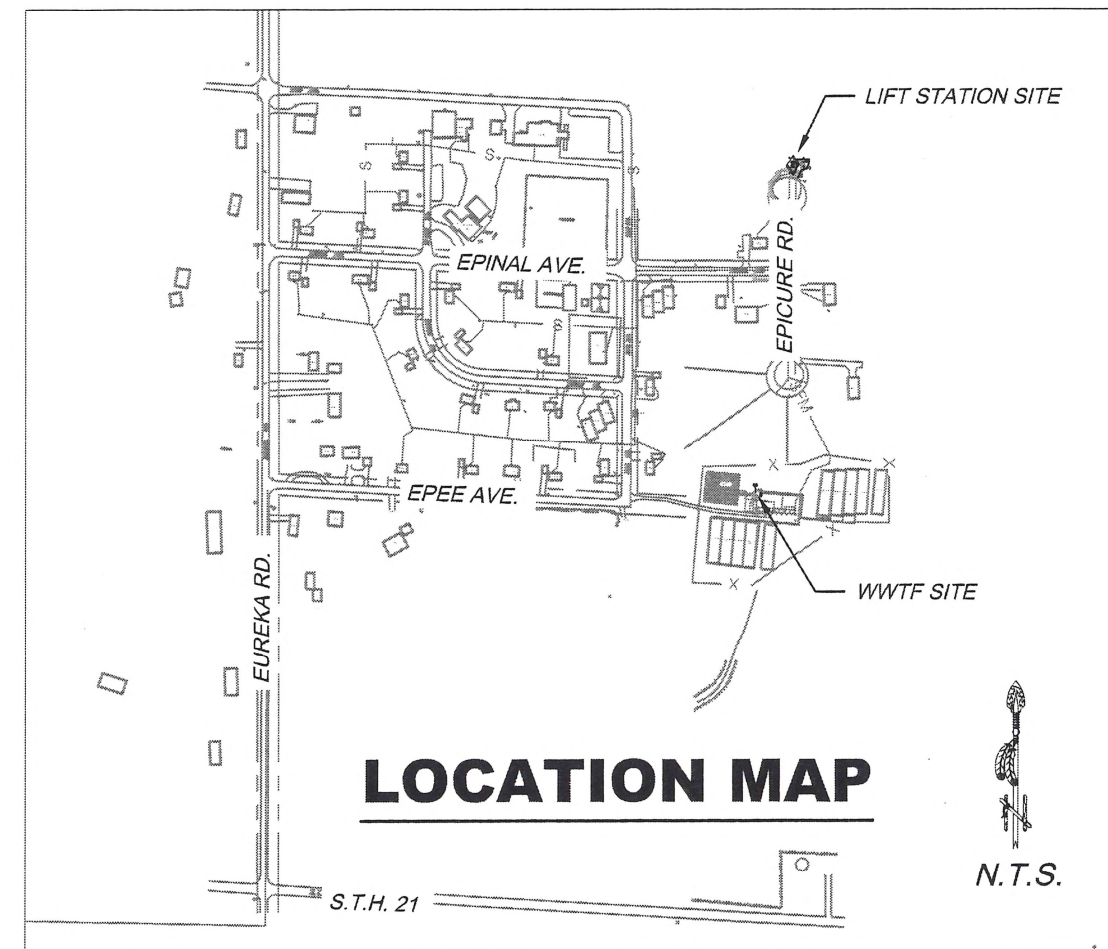


USER: pgawth FILE: C:\Users\pgawth\AppData\Local\Temp\AcPublish_31248\BE-19-K82&22-M82.dwg 10/01/2026 - 2:40pm

[illegible]

SHEET NO. SUBJECT

1. COVER SHEET & LOCATION MAP
2. NOTES & LEGEND
3. EX. SITE CONDITIONS & PROP. ELEC./NG UTILITIES
4. SEWER PLAN AND PROFILE
5. LIFT STATION SITE PLAN
6. LIFT STATION PLAN & PROFILE
7. LIFT STATION DETAILS
8. WWTF CONTROL BUILDING SITE PLAN
9. SEWER DETAILS
10. EROSION DETAILS



COVER SHEET	
HO-CHUNK NATION, WI	
BLUE WING WASTE WATER IMPROVEMENT	
PUBLIC LAW 96-121	
BE-19-K62 AND BE-22-M82	
DRAWN BY: A.P.O.	FILE NAME: BE-19-K62&22-M82
CHECKED BY: N.D.R.	LAYOUT NAME:
APPROVED BY: K.A.S.	PROJ ENG: N.D.R.
	SCALE: N.T.S.

USER: pgawrth FILE: H:\Reservations\HC\PROJECTS\22-MB2 BLUE WING SEWER\BE-19-K62&22-MB2.dwg 10/01/2026 -- 3:26pm

GENERAL NOTES

1. THE UTILITIES SHOWN IN PLAN ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. (ALL UTILITIES MAY NOT BE SHOWN.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES FROM THE OWNERS OF RESPECTIVE UTILITIES. ALL UTILITIES SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO EXCAVATION.
2. ALL MINOR OBSTRUCTIONS MAY NOT BE SHOWN ON PLANS. THE CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE ACTUAL CONDITIONS WITH REGARD TO THE EXISTENCE OF FENCES, DRIVEWAYS, TREES, SIDEWALKS, CULVERTS, UTILITIES AND OTHER MISCELLANEOUS OBSTACLES THAT MAY INTERFERE WITH CONSTRUCTION PRIOR TO SUBMITTING BIDS.
3. PROTECT OR RESTORE ALL LOT CORNERS.
4. SYMBOLS ON THE DRAWINGS (BECAUSE OF THEIR SIZE) MAY NOT REPRESENT THE EXACT LOCATION OF EITHER PROPOSED OR EXISTING UTILITIES. (EX. GATE VALVES & HYDRANTS)
5. WHEN CONTRADICTIONS OCCUR BETWEEN PLANS & SPECIFICATIONS, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ENGINEER BEFORE CONTINUING WITH CONSTRUCTION.
6. PROVIDE EROSION CONTROL MEASURES AS NECESSARY TO RE-ESTABLISH VEGETATION AND PREVENT EROSION. IF EROSION MATTING OR OTHER METHODS ARE REQUIRED TO STABILIZE DITCH SLOPES, THEY SHALL BE INCIDENTAL TO THE CONTRACT.
7. ALL WIRING (ELECTRICAL AND DATA) IS TO BE PLACED IN CONDUIT BETWEEN THE GENSET AND AUTOMATIC TRANSFER SWITCH. ELECTRIC AND DATA CABLES ARE TO BE IN SEPARATE CONDUITS.
8. ALL SITES SHALL BE RESTORED TO PREVIOUS CONDITION. ALL GROUND DISTURBANCES SHALL BE RESTORED BY GRADING, SEEDING, FERTILIZING, AND MULCHING.
9. ANY REWIRING BETWEEN A MAIN DISCONNECT, ELECTRIC METER, OR LOAD CENTER REQUIRES NEW WIRING WITH NO SPLICES ALLOWED.

CONTACTS

ENGINEERING:
INDIAN HEALTH SERVICE
129 NORTH BROWN ST.
RHINELANDER, WI 54501
NICK RADEMACHER
TELE: 715-365-5148

CONTRACTING:
HO-CHUNK NATION - DIVISION OF ENV. HEALTH
N6520 LUMBER JACK GUY RD
BLACK RIVER FALLS, WI 54615
KEVIN GUNDERSON
TELE: 715-284-9851 EX 5060

ROADS:
HO-CHUNK NATION - TRANSPORTATION AUTHORITY
28902 STATE HWY 21
TOMAH, WI 54660
STEVE CHRISTOPHERSON
TELE: 608-374-3950 EXT. 15787

UTILITIES

CENTURY TELEPHONE
333 N FRONT STREET LA CROSSE, WI 54601
TELE: 800-242-9137

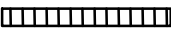
OAKDALE ELECTRIC CO-OP
P.O. BOX 40/ 489 W OAKWOOD ST.
TOMAH, WI 54649
ANDY STEELE
TELE: 608-372-4131

BLUE WING WASTEWATER CONTRACT OPERATOR
PETERSON ONSITE MANAGEMENT
421 WHEELER AVE
FREDONIA, WI 53021
TONY BIRRITTIERI
TELE: 262-689-0278

HO-CHUNK NATION WATER UTILITY
N6520 LUMBER JACK GUY RD
BLACK RIVER FALLS, WI 54615
KEVIN GUNDERSON
TELE: 715-284-9851 EXT.5060

WE ENERGIES (GAS)
1213 W. WISCONSIN ST. SPARTA, WI 54656
DIANE STOJAK
TELE: 608-366-2204

LEGEND

PROPOSED		EXISTING	GENERAL
	SEWER MAIN		BENCHMARK
	SEWER SERVICE LINE		IRON PIN
	SEWER FORCE MAIN		CARSONITE MARKER
	SEWER FORCE SERVICE LINE		CONTOUR LINE
	SEWER MANHOLES		CULVERT
	ONE-WAY CLEANOUT		DIRECTIONAL DRILLING
	TWO-WAY CLEANOUT		FENCE
	SEPTIC TANK		FIBER OPTIC
	LIFT STATION		GAS, ELECTRIC, TELEPHONE
	DIRECTION OF FLOW		LIGHT POLE
	CIPP		INSULATION
	WATER MAIN		UTILITY POLE
	WATER SERVICE LINE		PROPANE TANK
	GATE VALVES		PROPERTY LINE
	FIRE HYDRANT W/VALVE		RIGHT-OF-WAY
	FLUSH HYDRANT W/VALVE		ROAD (DIRT/GRAVEL)
	AIR RELEASE/VACUUM VALVE		ROAD (PAVED)
	SADDLE W/CORPORATION STOP		ROAD BORING/CROSSING
	CURB STOP W/BOX		SIGN
	INDIVIDUAL PRESSURE RELEASE VALVE		SOIL BORING
	YARD HYDRANT		SWAMP
	METER PIT/BOX		TELEPHONE PED
	IN-GROUND PRESSURE TANK		TRACING WIRE BOX
	WELL		TREE LINE
			TREE
			RIP RAP
			CONTROL POINT
			ELECTRIC PED
			GUY / ANCHOR
			MONUMENT
			MONITORING WELL
			TEMPORARY BENCHMARK
			CATV PEDESTALS
			ROAD SHOULDER
			STORM WATER INLET MANHOLE

TO OBTAIN LOCATIONS OR PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN



MEMBER

ONE CALL SYSTEMS INTERNATIONAL

DIGGERS HOTLINE

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

WISCONSIN STATUTE 182.0175 (1974)
REQUIRES MIN. 3 WORK DAY
NOTICE BEFORE YOU EXCAVATE

THE LOCATIONS OF THE EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

INIT.

REVISIONS

DATE

BEMIDJI AREA INDIAN HEALTH SERVICE
OFFICE OF ENVIRONMENTAL
HEALTH & ENGINEERING

SANITATION FACILITIES CONSTRUCTION
129 NORTH BROWN STREET
RHINELANDER, WI. 54601
(715) 365-5145



NOTES AND LEGEND

HO-CHUNK NATION, WI
BLUE WING WASTE WATER IMPROVEMENT
PUBLIC LAW 86-121
BE-19-K62 AND BE-22-MB2

DRAWN BY: A.P.O. 6-15-26
CHECKED BY: N.D.R. 6-16-26
APPROVED BY: K.A.S.

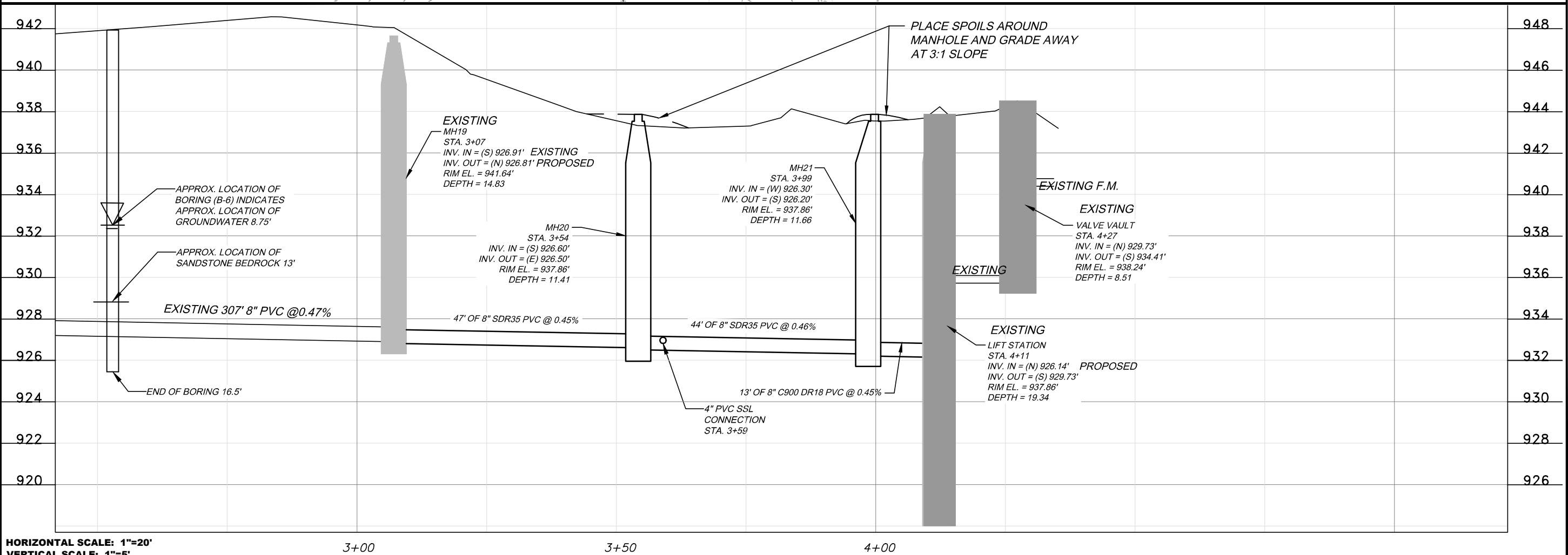
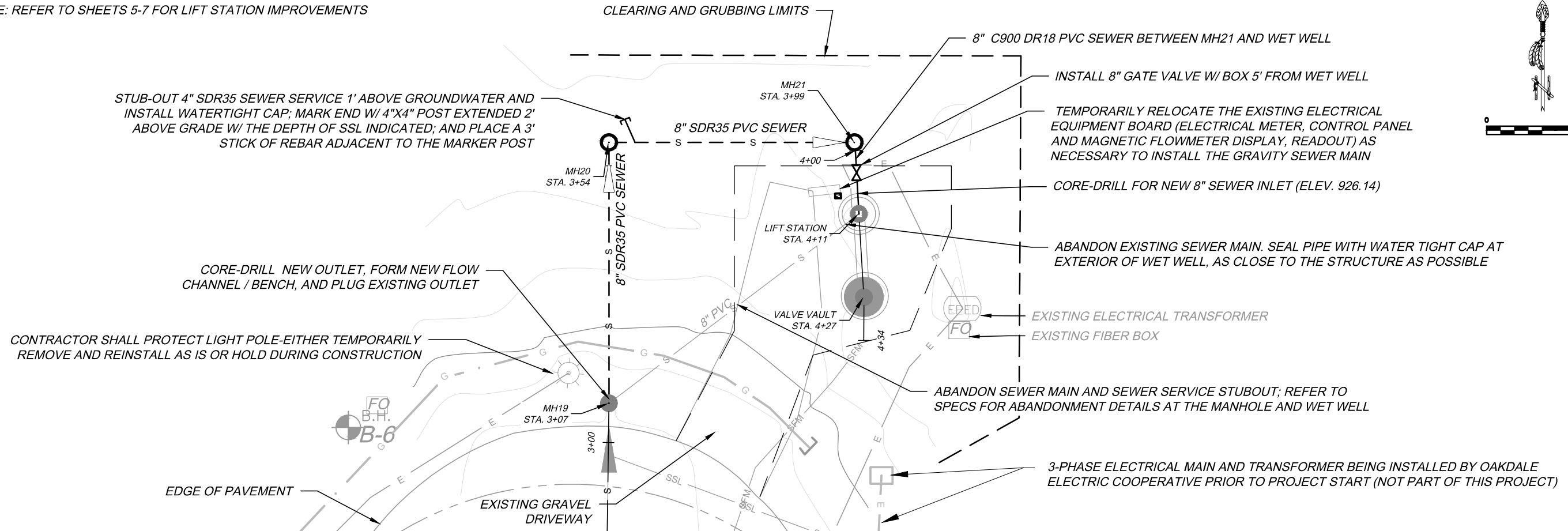
FILE NAME: BE-19-K62&22-MB2
LAYOUT NAME:
PROJ ENG: N.D.R. SCALE: N.T.S.

SHEET

2 OF 10

[illegible]

NOTE: REFER TO SHEETS 5-7 FOR LIFT STATION IMPROVEMENTS



HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=5'

3+00

 $3+50$

4+00

[illegible]

**BEMIDJI AREA INDIAN HEALTH SERVICE
OFFICE OF ENVIRONMENTAL
HEALTH & ENGINEERING**

SANITATION FACILITIES CONSTRUCTION
129 NORTH BROWN STREET
RHINELANDER, WI. 54501
(715) 365-5145



SEWER PLAN AND PROFILE

**BLUE WING WASTE WATER IMPROVEMENT
PUBLIC LAW 86-121
BE-19-K62 AND BE-22-M82**

6-15-26	FILE NAME:	BE-19-K622
6-16-26	LAYOUT NAME:	

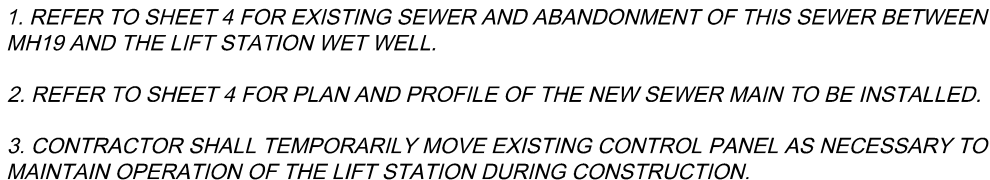
PROJ ENG: N.D.R

DRAWN BY: A.P.O.
CHECKED BY: N.D.R.

APPROVED BY: K.A.S

SHEET

4 OF 10



SHEET
5 of 10

PUMP CONTROL AND FLOAT SETPOINTS

<u>DESCRIPTION</u>	<u>ELEVATIONS</u>	<u>FROM BOTTOM OF STRUCTURE</u>	<u>FROM TOP OF COVER</u>
WET WELL COVER	937.86'	19.34'	
SEWER INLET INVERT	926.14'	7.62'	11.72'
BOTTOM OF WET WELL	918.52'		19.34'

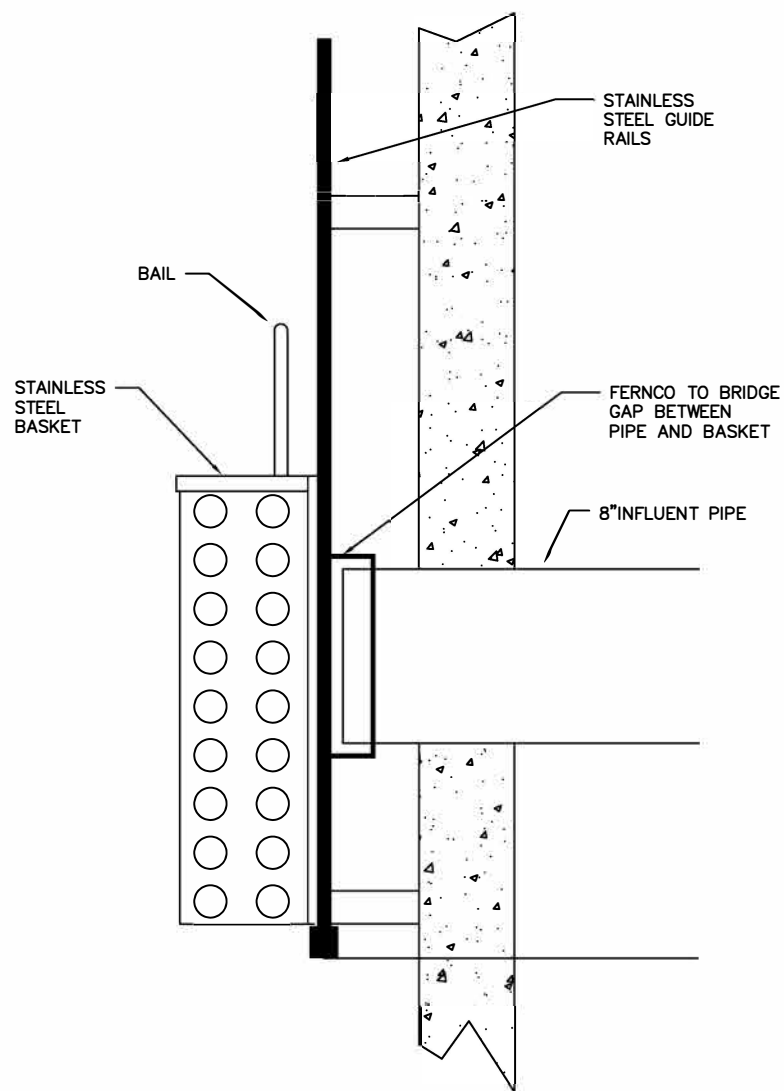
PRIMARY TRANSDUCER CONTROL

HIGH WATER ALARM	924.50'	5.98'	13.36'
LAG PUMP START	923.50'	4.98'	14.36'
LEAD PUMP START	923.00'	4.48'	14.86'
LEAD/LAG PUMP STOP	921.00'	2.48'	16.86'
LOW WATER ALARM	920.00'	1.48'	17.86'

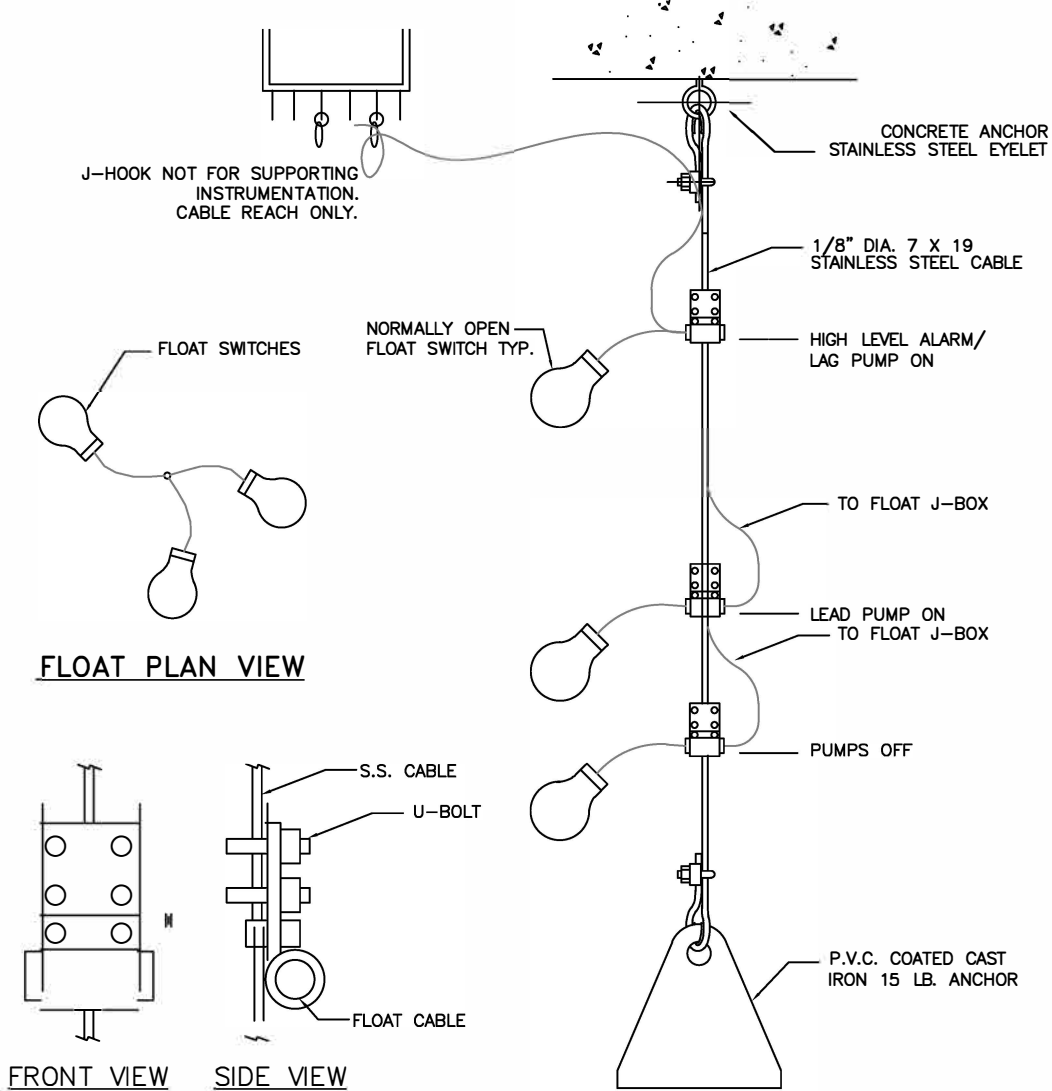
BACKUP FLOAT CONTROL

HIGH WATER ALARM/LAG PUMP START	925.50'	6.98'	12.36'
LEAD PUMP START	923.00'	4.48'	14.86'
LEAD/LAG PUMP STOP	919.75'	1.23'	18.11'

NOTE: TRANSDUCER FAILURE IS ASSUMED IF THE HIGH-WATER ALARM FLOAT IS TRIPPED; AT THIS POINT THE BACKUP FLOAT CONTROL WILL OPERATE THE SYSTEM.

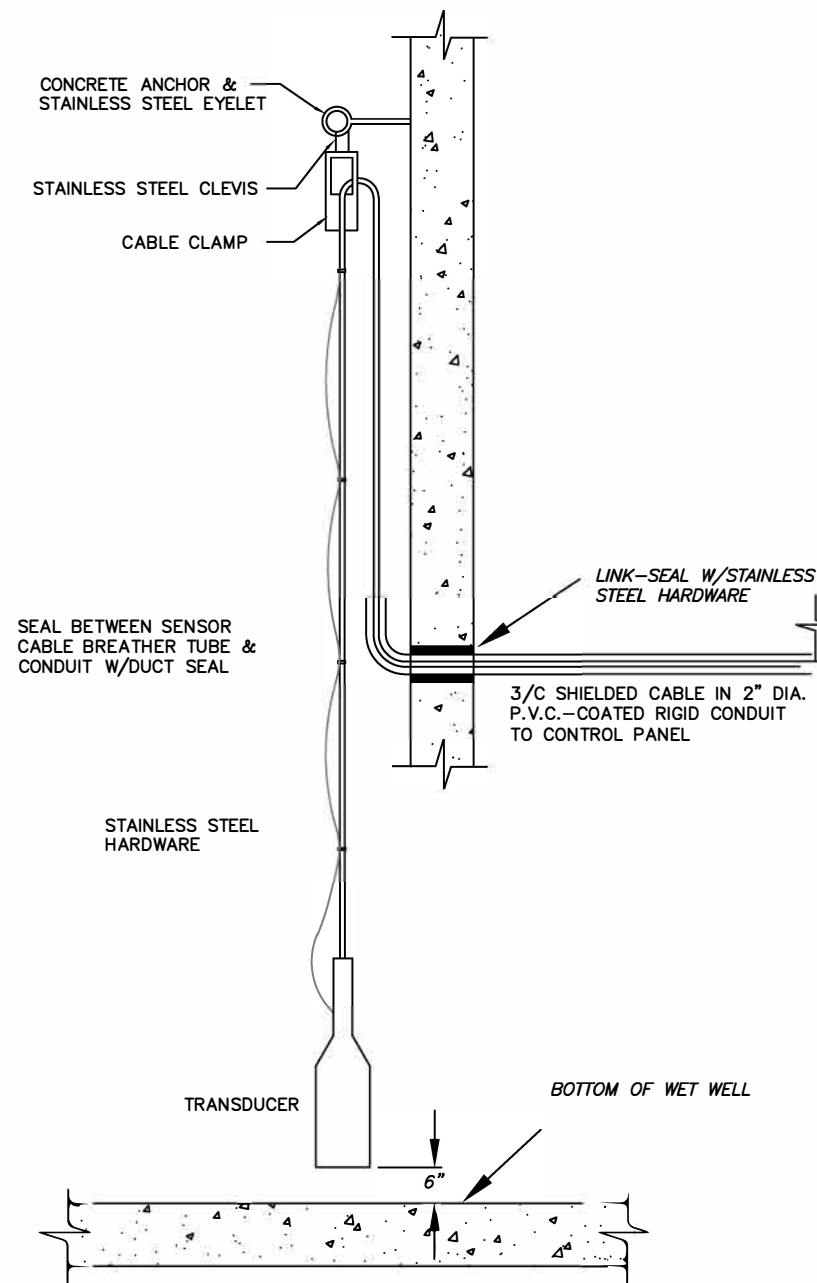


TRASH BASKET DETAIL



STAINLESS STEEL FLOAT CLAMP

FLOAT INSTALLATION



SUBMERSIBLE LEVEL TRANSDUCER MOUNTING DETAIL

[illegible]

**BEMIDJI AREA INDIAN HEALTH SERVICE
OFFICE OF ENVIRONMENTAL
HEALTH & ENGINEERING**

SANITATION FACILITIES CONSTRUCTION
129 NORTH BROWN STREET
RHINELANDER, WI. 54501
(715) 385-5145



LIFT STATION DETAILS

PUBLIC LAW 86-121
BE-19-K62 AND BE-22-M82

DATE	FILE NAME	DE-10
9-15-28	DE-19-KOZ AND DE-22-MOZ	

BE-13
FILE NAME:
LAYOUT NAME:
-13-26
-16-26

10 20
EAT001 NAME: _____
PBO1 ENG: M D B

FROM ENG. N. ZAK.

DRAWN BY: A.P.O.
CHECKED BY: N.D.R.

APPROVED BY: K.A.S.

SECRET

SHEET

7 OF 10

HR:



SHEET
8 OF 10

ALL DUCTILE IRON
ITEMS (FITTINGS,
HYD, ETC.) TO BE
WRAPPED IN POLY
ENCASEMENT

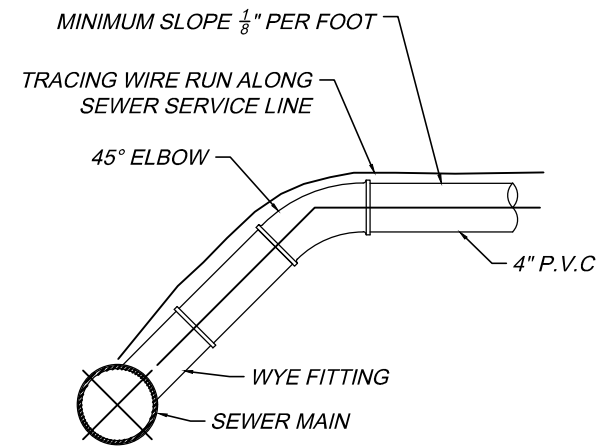
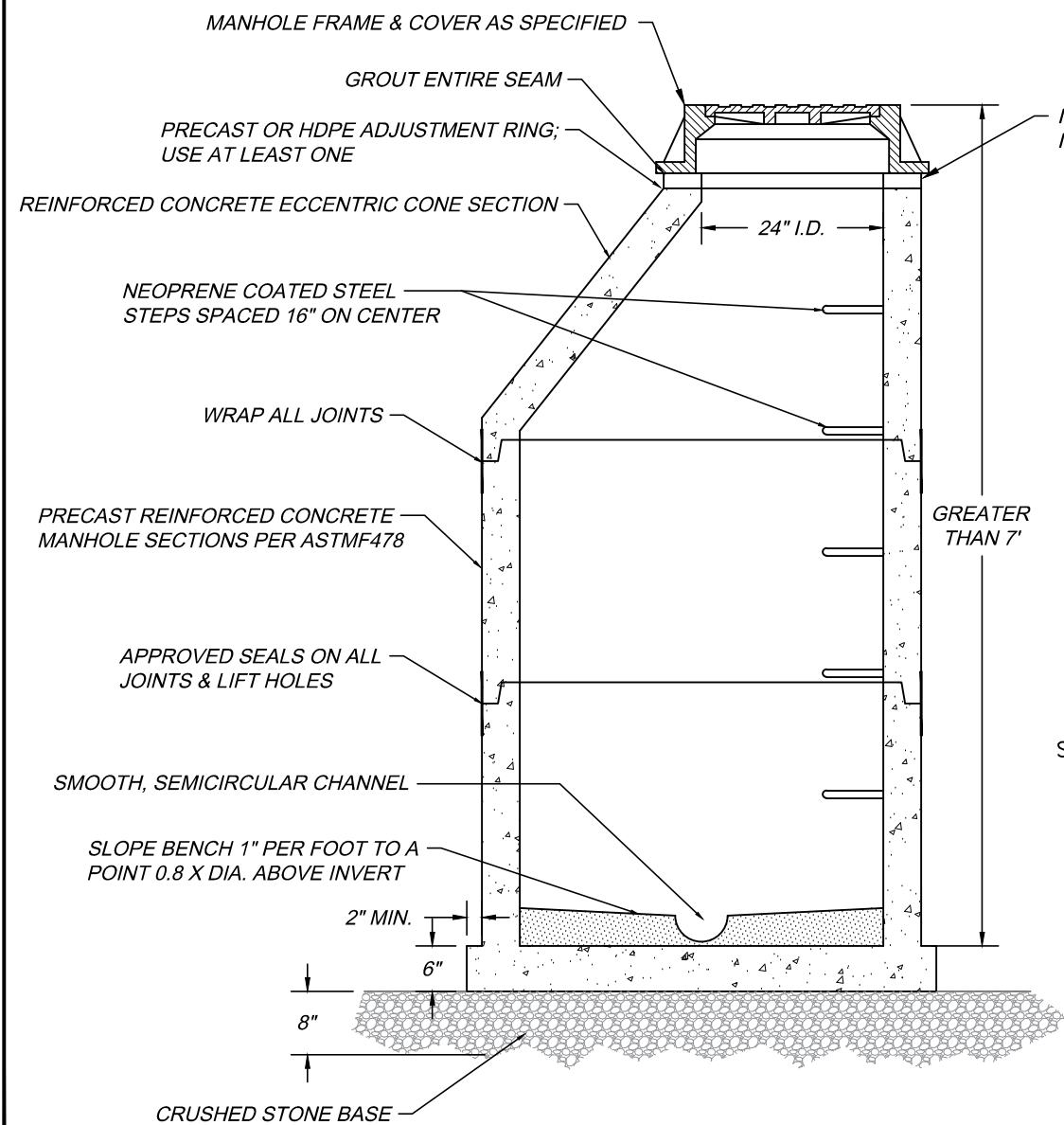


Diagram illustrating a sewer main configuration with a wye fitting and a tracing wire run along the sewer service line. The diagram shows a vertical sewer main on the left with a downward arrow indicating the "DIRECTION OF FLOW". A horizontal sewer main on the right is connected to the vertical main via a "WYE FITTING". A "45° ELBOW" connects the horizontal main to a "4\" P.V.C." pipe. A tracing wire, labeled "TRACING WIRE RUN ALONG SEWER SERVICE LINE", is shown running parallel to the horizontal sewer main.

SEWER SERVICE CONNECTION



**INSTALL EXTERNAL/
INTERNAL CHIMNEY SEAL**

SEWER

CONCEALED PICK HOLES

NOTE: FRAME AND COVER WEIGHT MINIMUM 300 LBS.

23"

1 1/2"

SELF SEALING LID WITH GASKET

BEARING SURFACES TO BE MACHINED

20 1/2"

9"

25 1/2"

36"

UNDISTURBED

The diagram illustrates a trench cross-section with the following layers and dimensions:

- UNDISTURBED SOIL**: The top layer of the trench.
- FINAL BACKFILL (VARIES)**: The top layer of backfill above the pipe.
- PIPE DIA.**: The diameter of the pipe.
- 6" MIN. 12" MAX.**: The thickness of the final backfill layer above the pipe.
- COVER 6" MIN.**: The minimum cover over the pipe.
- INITIAL BACKFILL**: The layer of backfill immediately surrounding the pipe.
- SPRING LINE**: The point where the pipe enters the trench.
- PIPE**: The main pipe being installed.
- HAUNCHING**: The layer of material supporting the pipe at the spring line.
- BEDDING 6" MIN.**: The layer of bedding material below the haunching.
- PIPE EMBEDMENT ZONE**: The total depth of the trench, including the bedding, haunching, and initial backfill.
- TRENCH WIDTH BELOW TOP OF PIPE 12" TO 24" PLUS DIA. OF PIPE BARREL**: The width of the trench at the bottom, measured below the top of the pipe.

[illegible]

SANITATION FACILITIES CONSTRUCTION
129 NORTH BROWN STREET
RHINELANDER, WI. 54501
(715) 365-5145



APPROVED BY: K.A.S.

