

VILLAGE OF KRONENWETTER, WISCONSIN



VILLAGE OF KRONENWETTER

DIGGERS HOTLINE

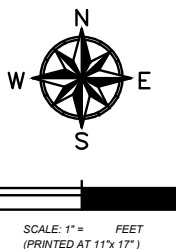
WISCONSIN'S ONE-CALL CENTER 811 OR (800) 242-8511
Per Wisconsin Statute 182.0175, contact Digger's Hotline for
a utility locate a minimum of three business days prior to
beginning excavation

* EROSION CONTROL ON THESE SHEETS



VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN

PRELIMINARY
NOT FOR CONSTRUCTION
90% SET 08/01/24



SHEET: T 1.0

File: F:\PROJECT FILES 2023\2023-020 VILLAGE OF KRONENWETTER\01 T01 L58 & L54 UPGRADE CADD\KRONALS 8 FRONT SHEETS.DWG - Sheet Name: 2 ANSIFULL BLEEDS (11.00 X 17.00 INCHES), Date: 8/2/2024 2:44 PM, By: Wayne caggar

GENERAL NOTES:

1.

OWNER/CONTRACTOR IS RESPONSIBLE FOR ALL PROJECT SAFETY AND SAFETY COMPLIANCE.
2.

CONSIDER ALL EXISTING UTILITY LOCATIONS SHOWN ON THE DRAWINGS AS APPROXIMATE AND NOT NECESSARILY COMPLETE. THE CONTRACTOR SHALL OBTAIN UTILITY LOCATES AT LEAST 24 HOURS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO VERIFY EXACT LOCATIONS OF ALL BURIED UTILITIES. PROTECT AND RESTORE ALL UTILITIES TO THE UTILITY OWNERS SATISFACTION. CONTACT THE APPROPRIATE UTILITY FOR A FIELD LOCATION PRIOR TO STARTING ANY CONSTRUCTION .
3.

WORK LIMITS ARE IDENTIFIED AS THE OUTER PROPERTY BOUNDARY. NOTIFY THE OWNER OR ENGINEER 24 HOURS PRIOR TO DISTURBING ANY AREA OUTSIDE THE CONSTRUCTION LIMITS. DAMAGE OR DISTURBANCE OUTSIDE OF THE CONSTRUCTION LIMITS SHALL BE REPAIRED INKIND.
4.

ALL WORK SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL LAWS, RULES AND REGULATIONS IN FORCE AT THE TIME OF CONSTRUCTION.
5.

THE OWNER/GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTIONS OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OF DISCREPANCY BETWEEN THESE PLANS AND/OR PLANS PREPARED BY OTHERS. IF ANY ERRORS, DISCORDANCES, OR OMISSIONS BECOME APPARENT, THESE SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR ENGINEER PRIOR TO CONSTRUCTION OF ANYTHING AFFECTED SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
6.

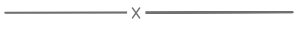


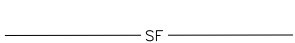

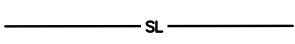

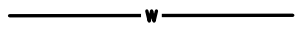

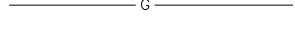



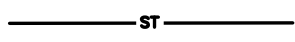

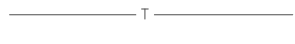
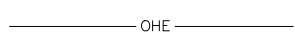
THE CONTRACTOR SHALL MAINTAIN A PEDESTRIAN FENCE AROUND ALL SIGNIFICANT EXCAVATION TO BE LEFT OPEN DURING WORK OR OVERNIGHT

ABBREVIATIONS

AC	ASPHALT CONCRETE
BLDG	BUILDING
CMP	CORRUGATED METAL PIPE
C.O.	CLEAN OUT
DPW	DEPARTMENT OF PUBLIC WORKS
DIA.	DIAMETER
DI	DUCTILE IRON PIPE
E	EAST
EA.	EACH
ELEV.	ELEVATION
ESMT.	EASEMENT
EX	EXISTING
EOP	EDGE OF PAVEMENT
FFE	FINISH FLOOR ELEVATION
FG	FINISH GRADE
GAL.	GALLON
GV/VB	GATE VALVE/VALVE BOX
HORZ.	HORIZONTAL
INV.	INVERT
L	LENGTH
L.F.	LINEAR FEET
MBW	MODULAR BLOCK WALL
MAX.	MAXIMUM
MIN.	MINIMUM
N	NORTH
A.A.A.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
OHE	OVERHEAD ELECTRIC
R	RADIUS
RMV	REMOVE
S	SOUTH
SB	SOIL BORING
SCH	SCHEDULE
SHT.	SHEET
SS	STAINLESS STEEL
S.M.D.	STANDARD MAXIMUM DENSITY
STA.	STATION
SVC	SERVICE
TC	TOP CONCRETE OR CURB
TH	TEST HOLE
TP	TOP OF PAVEMENT
TSW	TOP OF SIDEWALK
TYP.	TYPICAL
U.G.	UNDERGROUND
VERT.	VERTICAL
w/	WITH
w	Water
W	WEST
WV	WATER VALVE

	YARD PUMP
	GAS VALVE
	WATER VALVE
	LIGHT POLE
	SIGN
	TELEPHONE PEDESTAL
	TEST HOLE
	EXISTING MANHOLE
	PROPOSED MANHOLE
	POLE
	GUY WIRE
	WATER HYDRANT
	WATER BOX
	DECIDUOUS TREES
	CONIFEROUS TREES
	CONCRETE SURFACE
	GRAVEL SURFACE
	ASPHALT SURFACE
	POND
	SAND/BEACH
	BUFFER
	RV SITES 12-18 PAVING
	DRAINFIELD
	WETLAND
	DRAINAGE DIRECTION
	TRAFFIC FLOW

LEGEND

	EXISTING FENCE
	PROPOSED FENCE
	SILT FENCE
	SILT LOG
	WATER LINE
	GAS LINE
	FORCE MAIN
	SANITARY SEWER
	STORM SEWER
	TELEPHONE LINE
	OVERHEAD ELECTRIC
	UNDERGROUND ELECTRIC
	FIBER OPTICS
	GRADING LIMITS
	GUARD RAIL
	TAX PARCEL LINES
	COMMUNICATION LINE



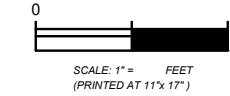
NOTES, ABBREVIATIONS, LEGEND

LIFT STATION #8 UPGRADE PROJECT

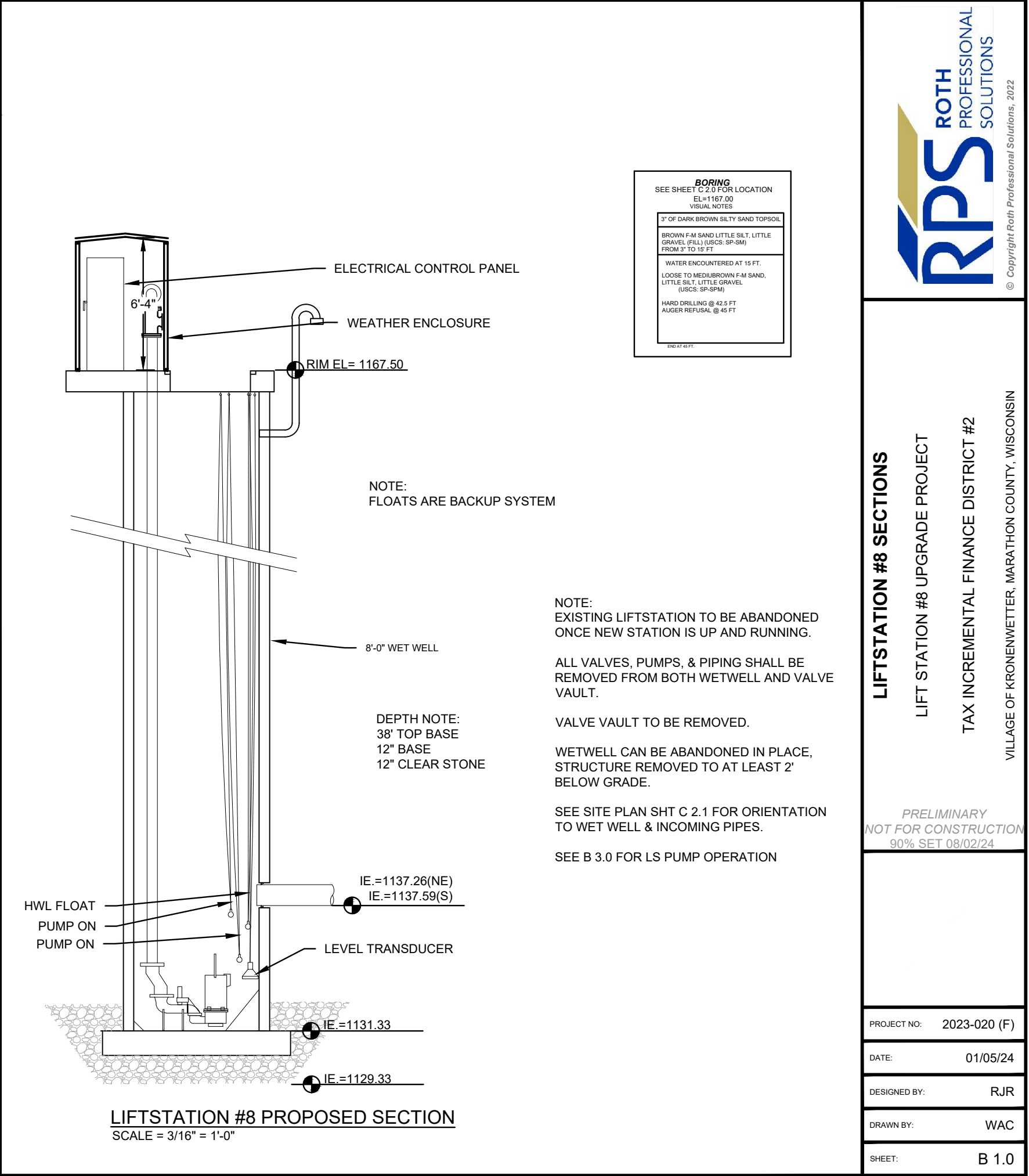
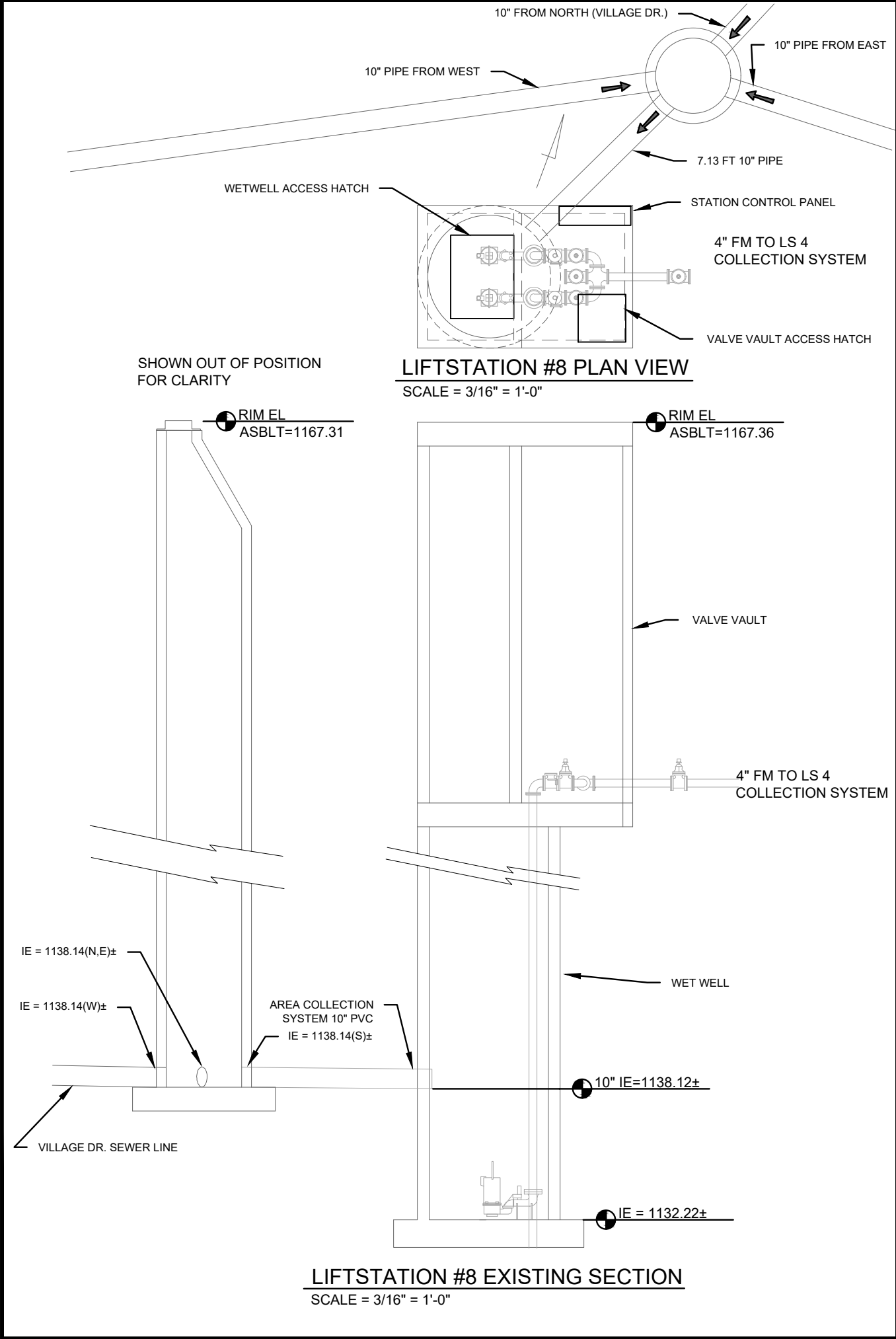
TAX INCREMENTAL FINANCE DISTRICT #2

VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN

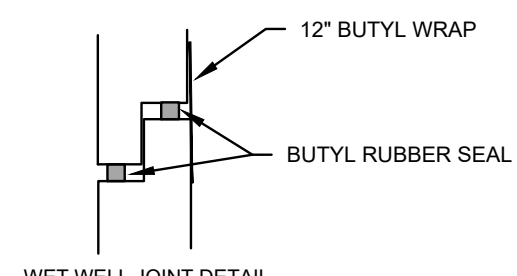
PRELIMINARY
NOT FOR CONSTRUCTION
90% SET 07/20/24



PROJECT NO:	2023-020 (F)
DATE:	01/05/24
DESIGNED BY:	RJR
DRAWN BY:	WAC
SHEET:	T 1.1



LIFT STATION #8
PRECAST WETWELL:



LIFT STATION #8 UPGRADE PROJECT

VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN

PRELIMINARY
NOT FOR CONSTRUCTION
90% SET 08/01/24

PROJECT NO: 2023-020 (F)

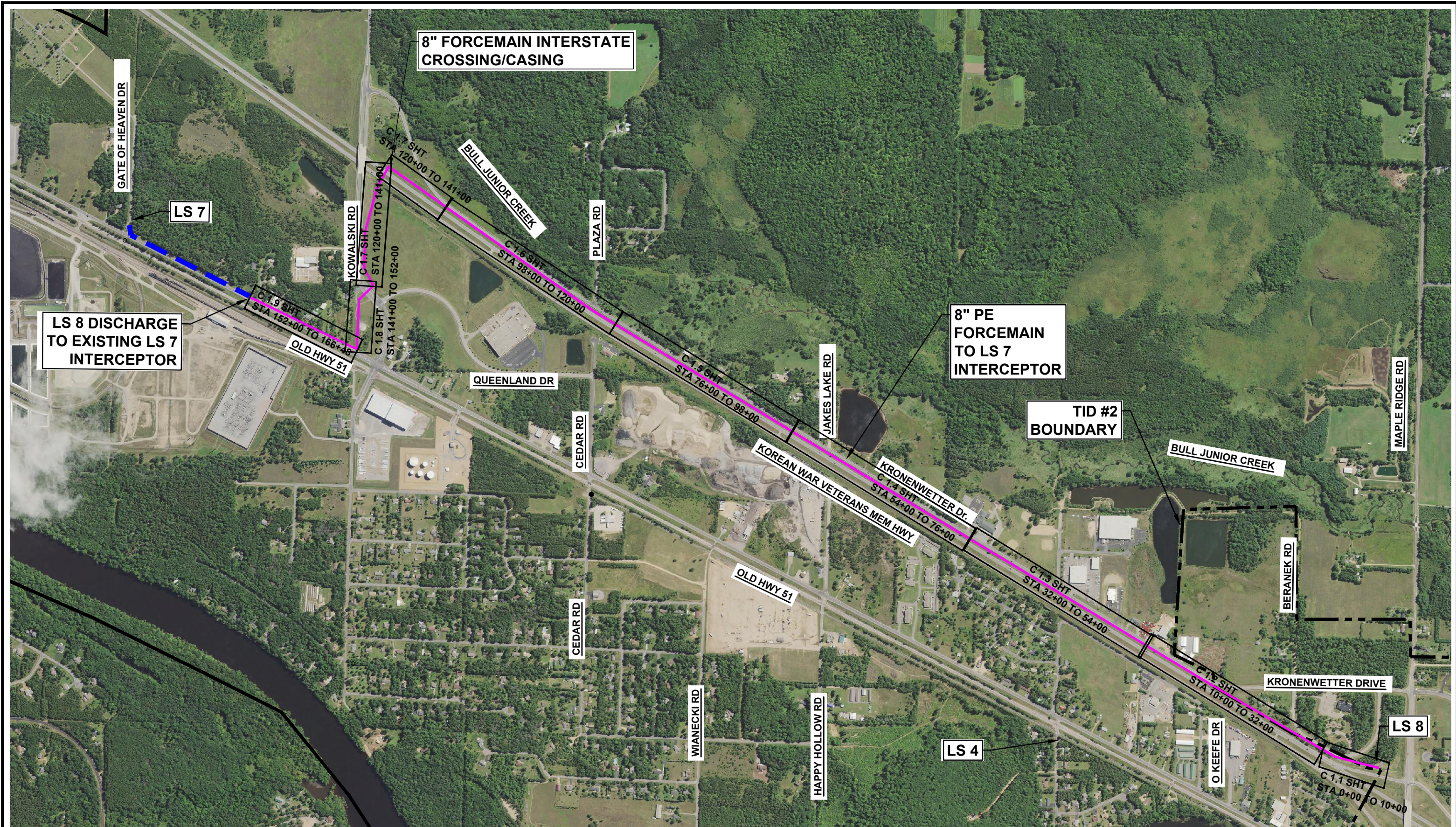
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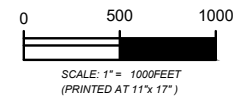
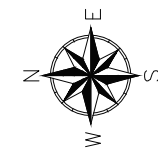
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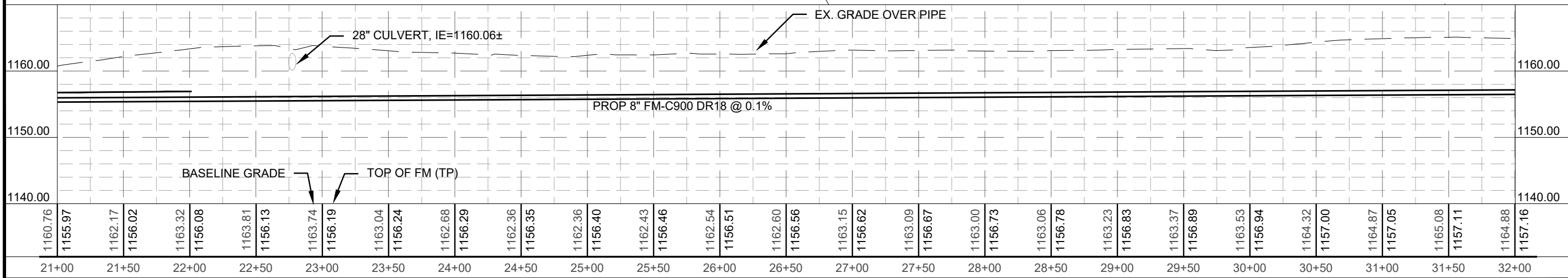
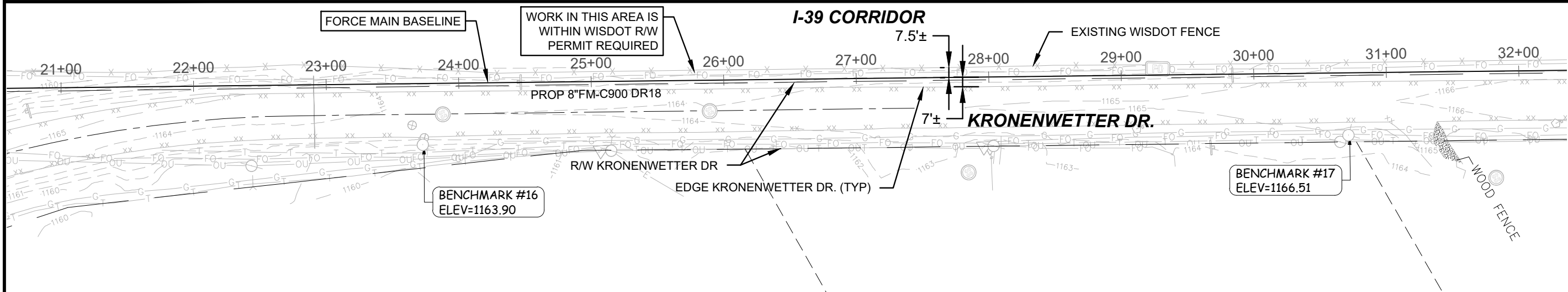
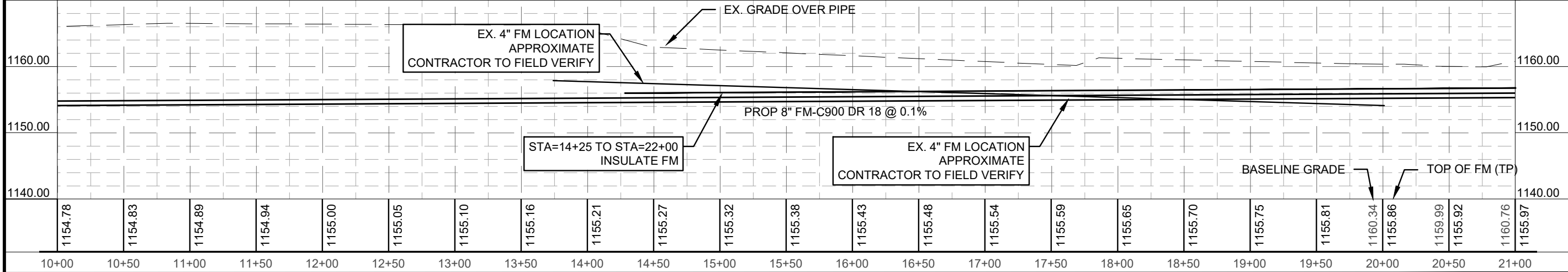
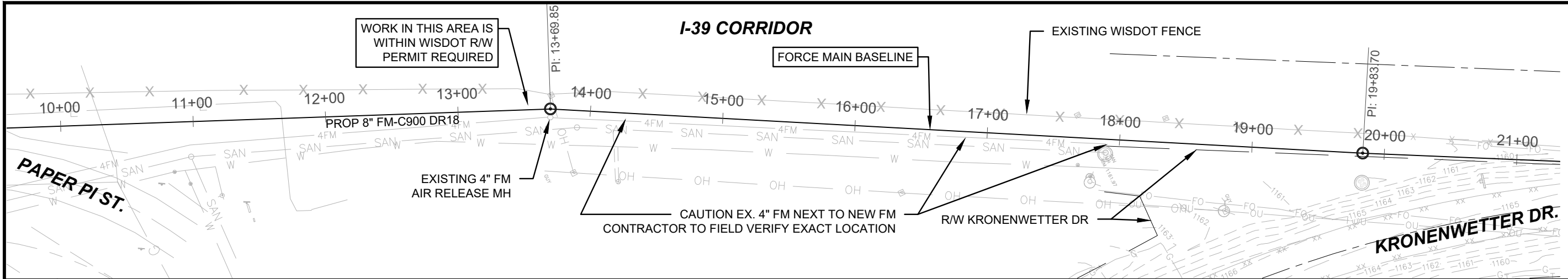


OVERALL PLAN SHEET LAYOUT
LIFT STATION #8 UPGRADE PROJECT
TAX INCREMENTAL FINANCE DISTRICT #2
VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN

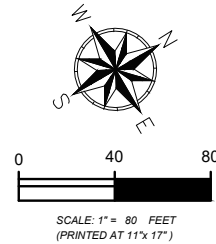


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PROJECT NO:	2023-020 (F)
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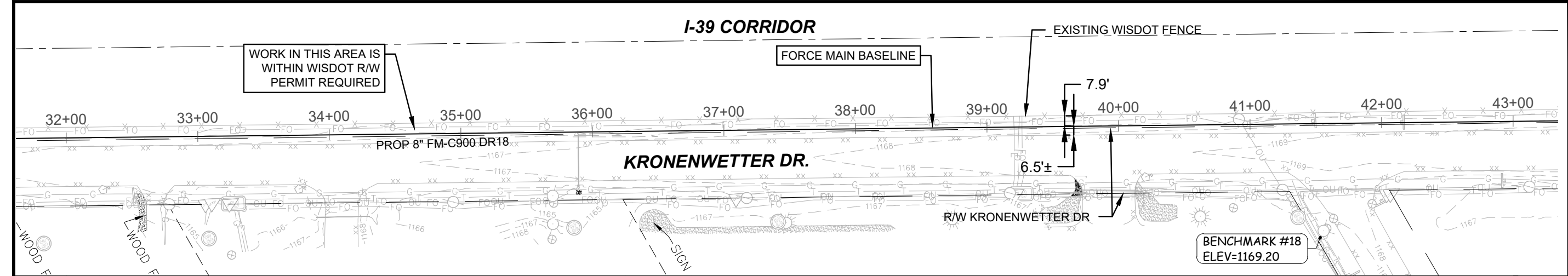


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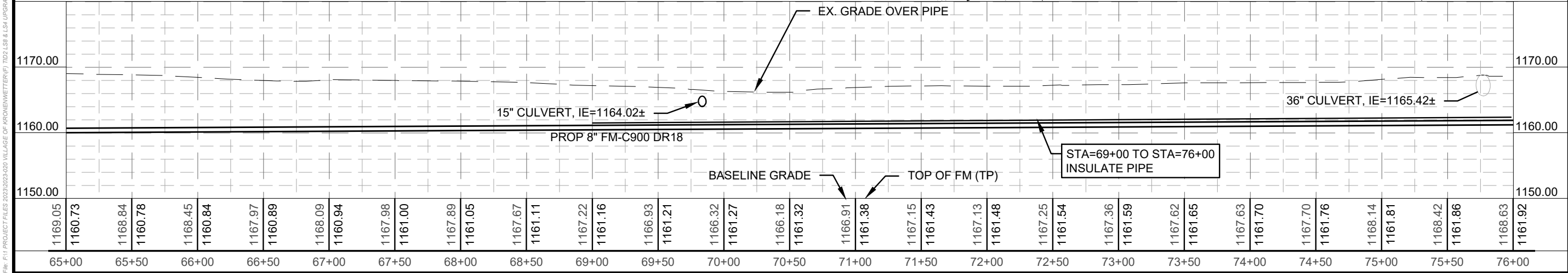
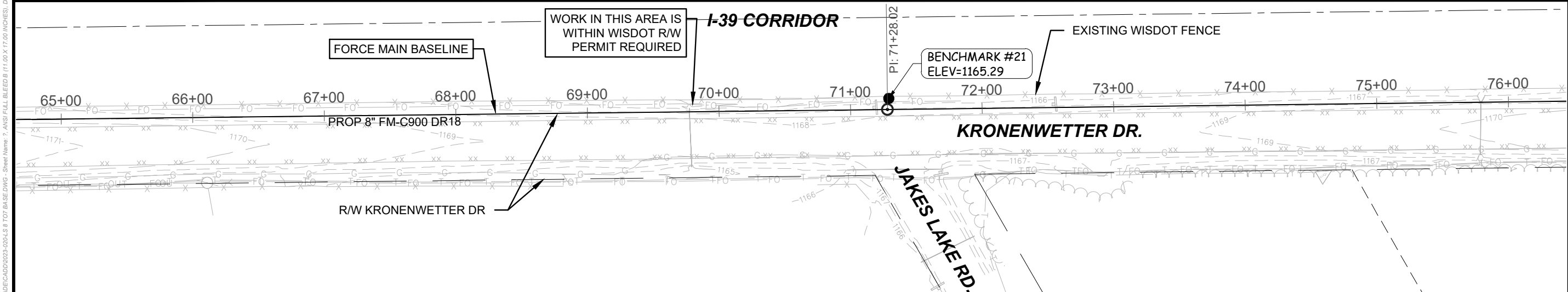
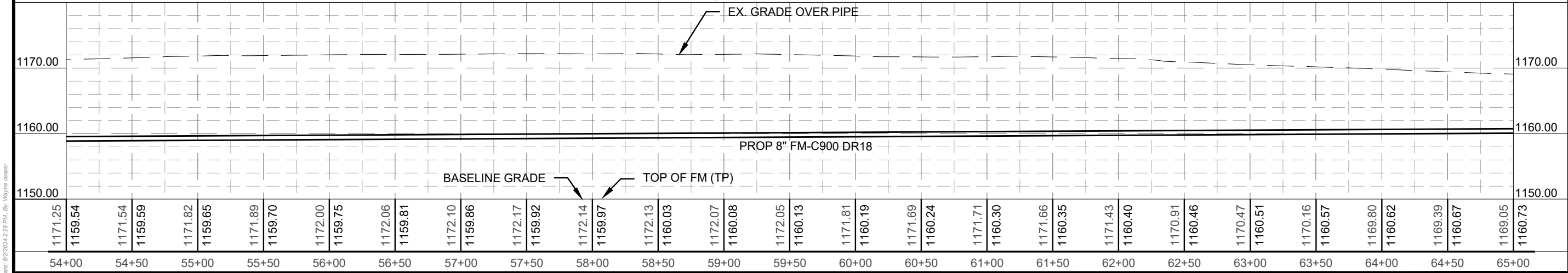
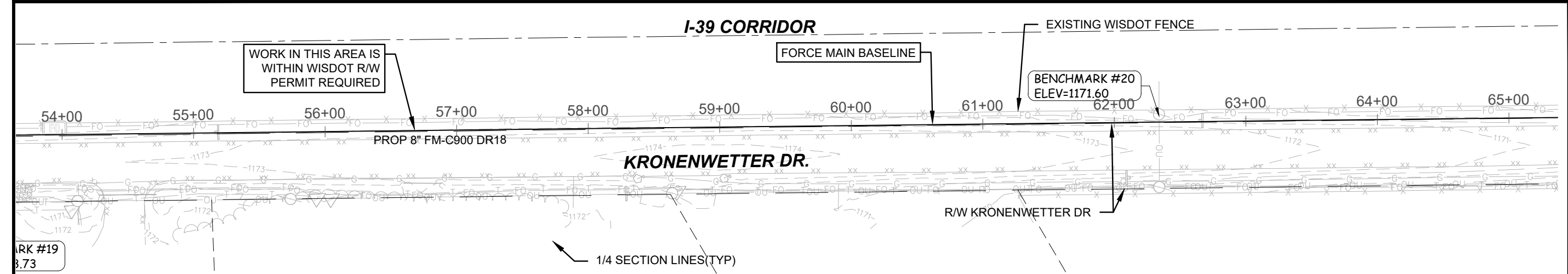


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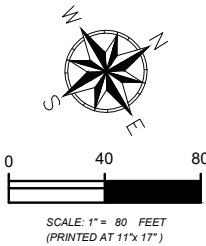
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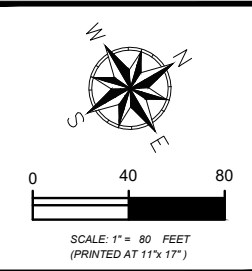
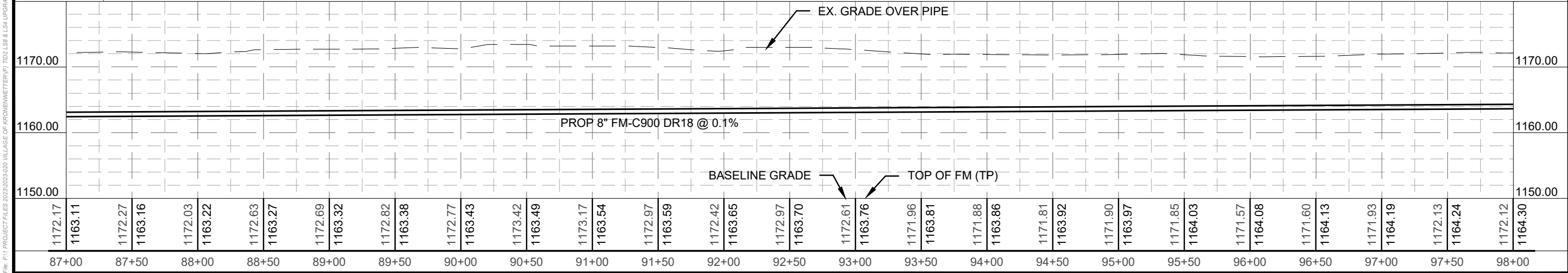
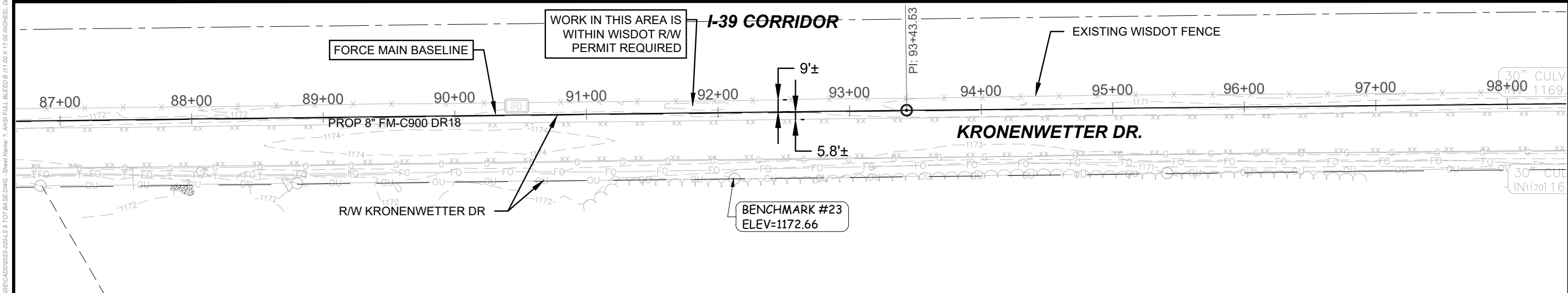
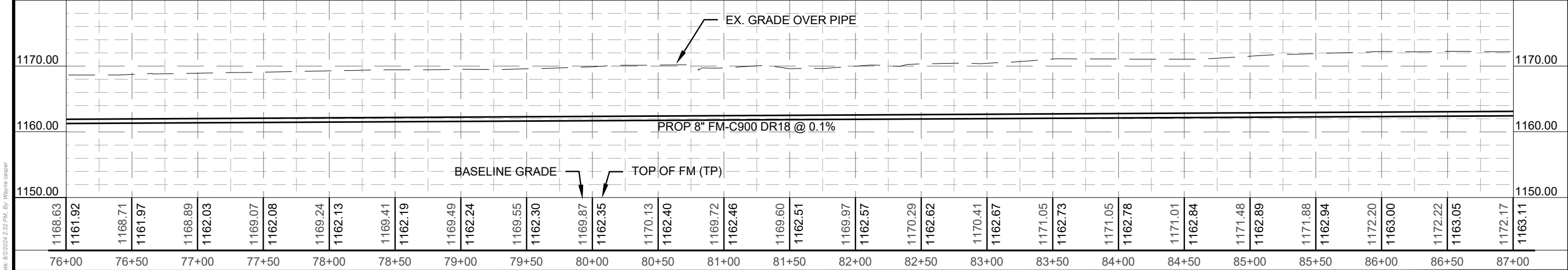
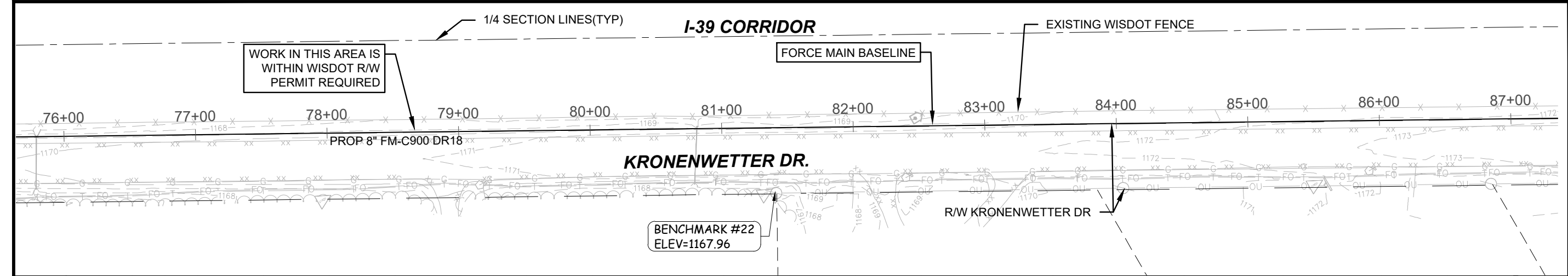


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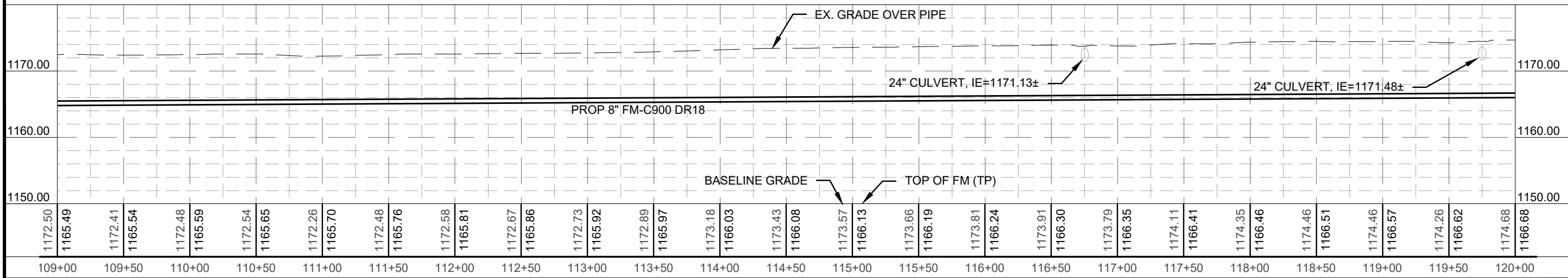
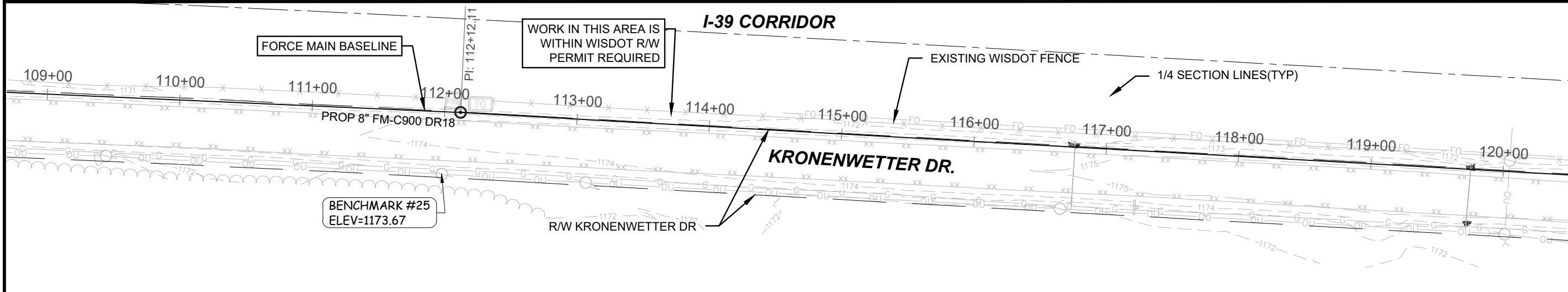
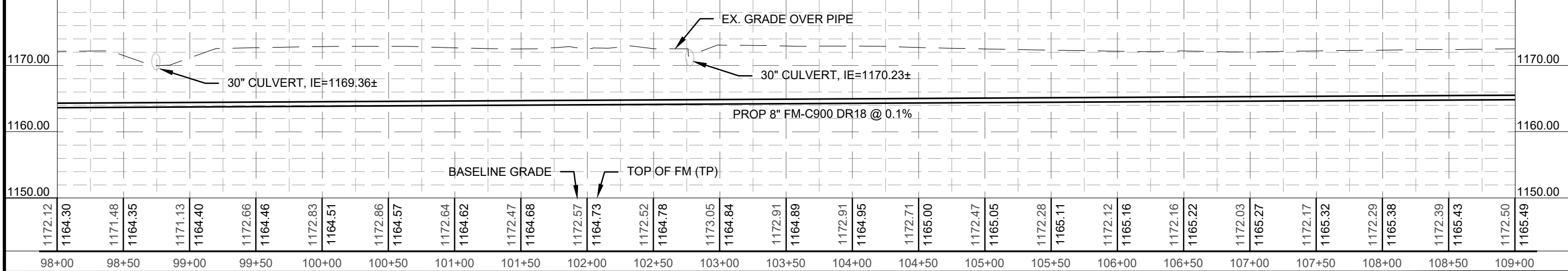
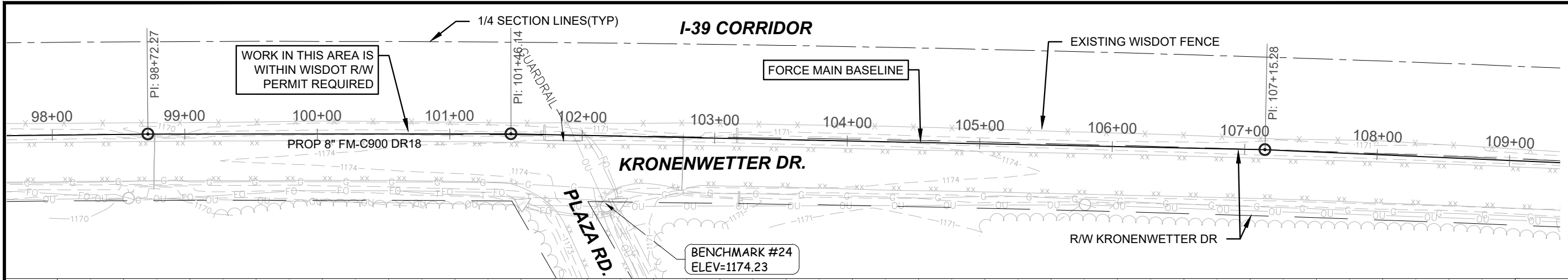


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DATE:	01/05/24
DESIGNED BY:	RJR
DRAWN BY:	WAC
SHEET:	C 1.4

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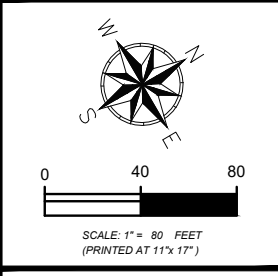
PLAN & PROFILE

LIFT STATION #8 UPGRADE PROJECT

TAX INCREMENTAL FINANCE DISTRICT #2

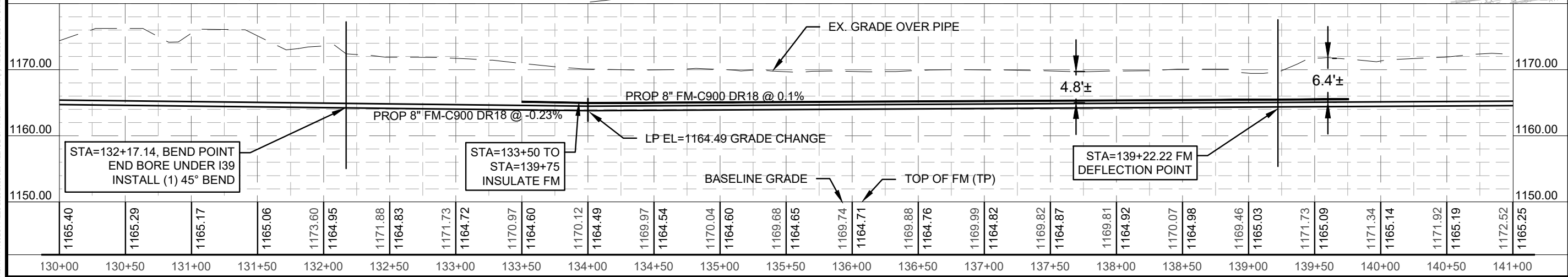
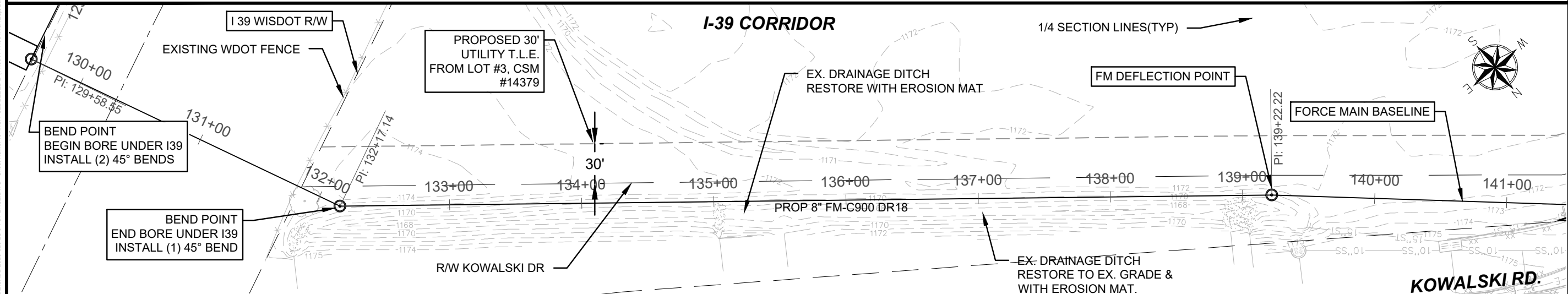
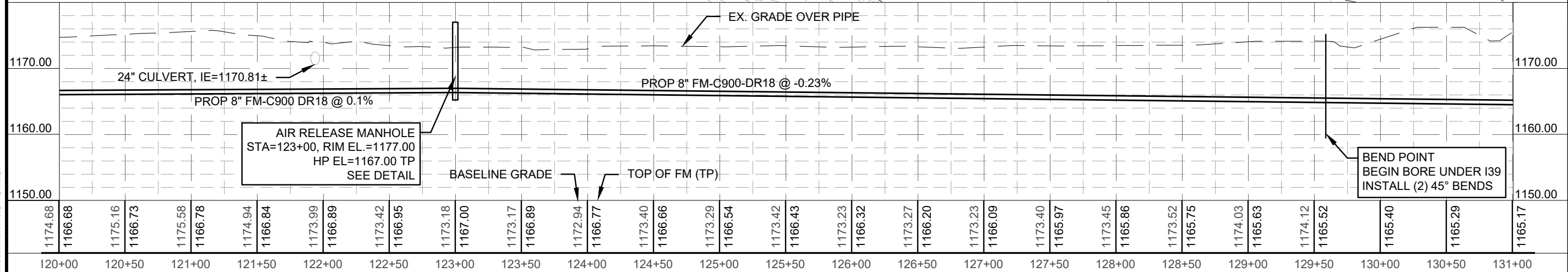
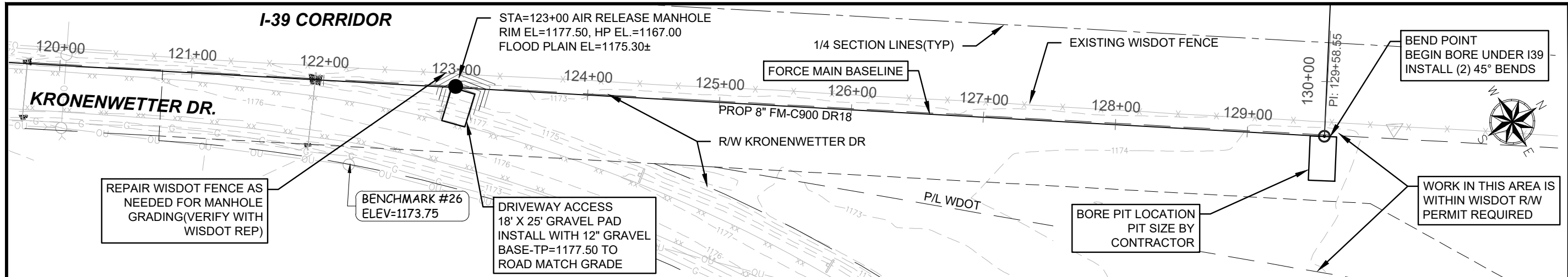
VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN

PRELIMINARY
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90% SET 07/25/24

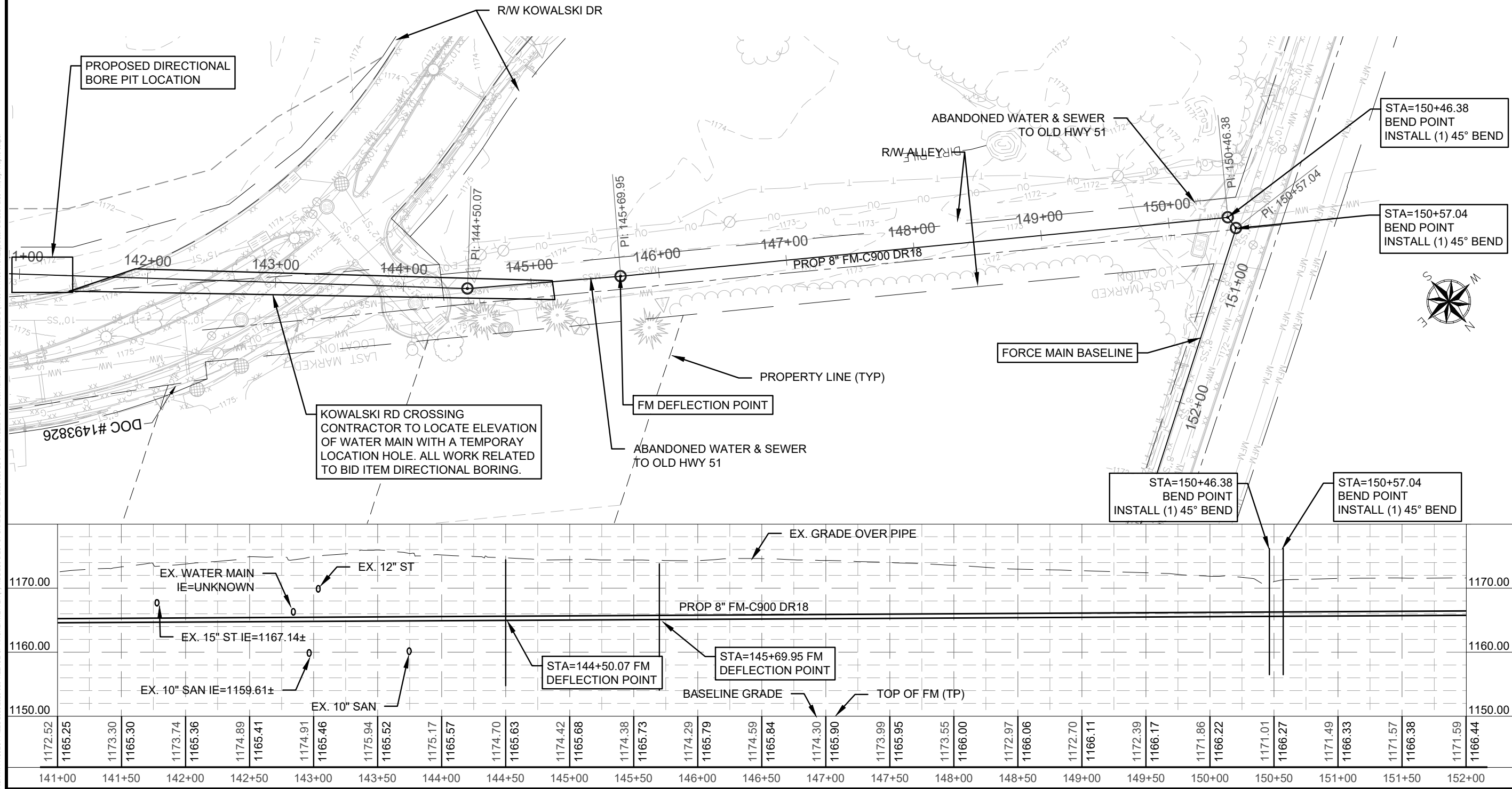


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DATE:	01/05/24
DESIGNED BY:	RJR
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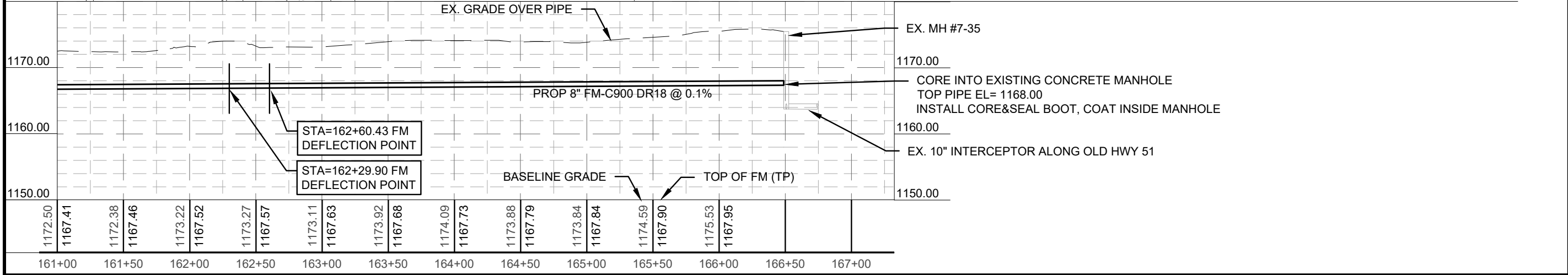
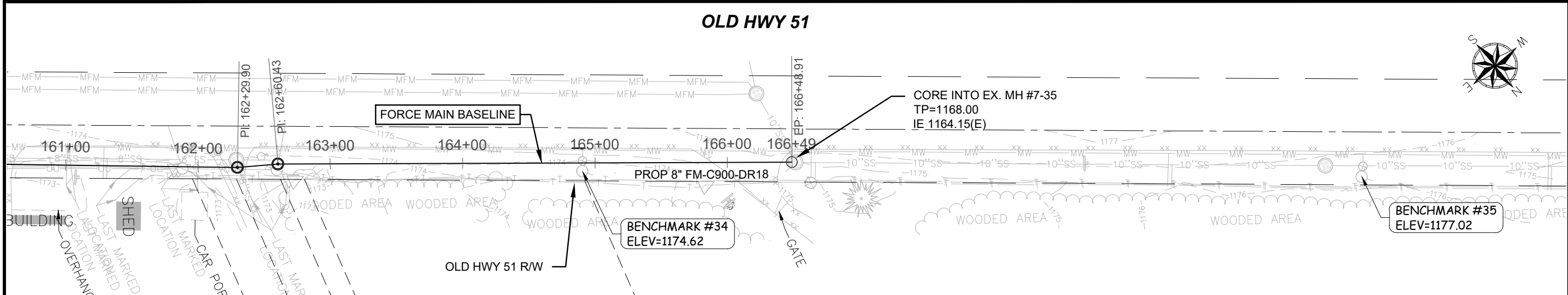
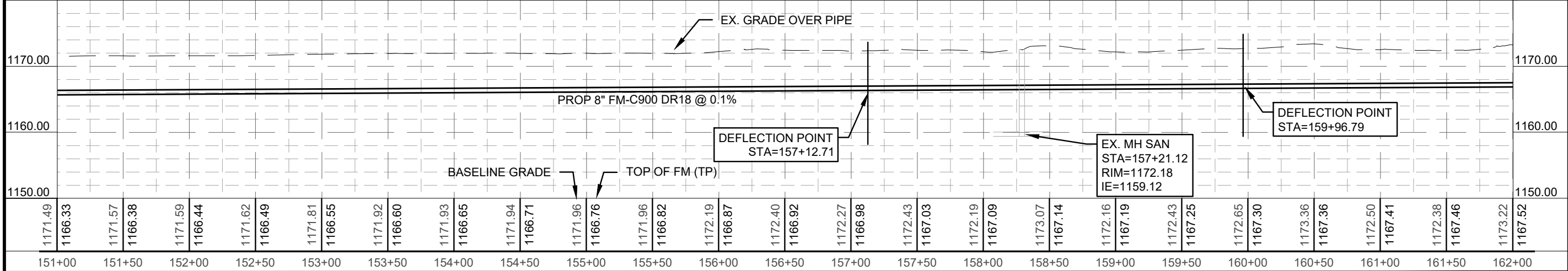
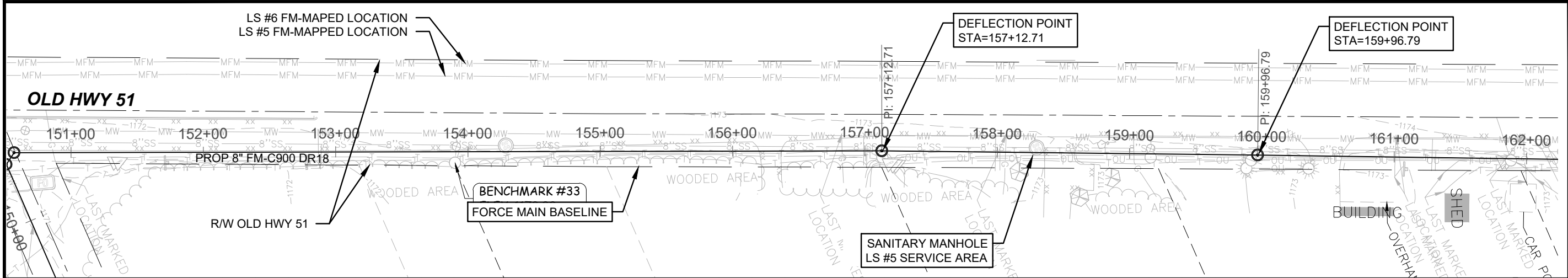
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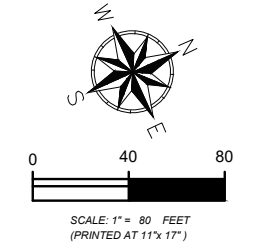
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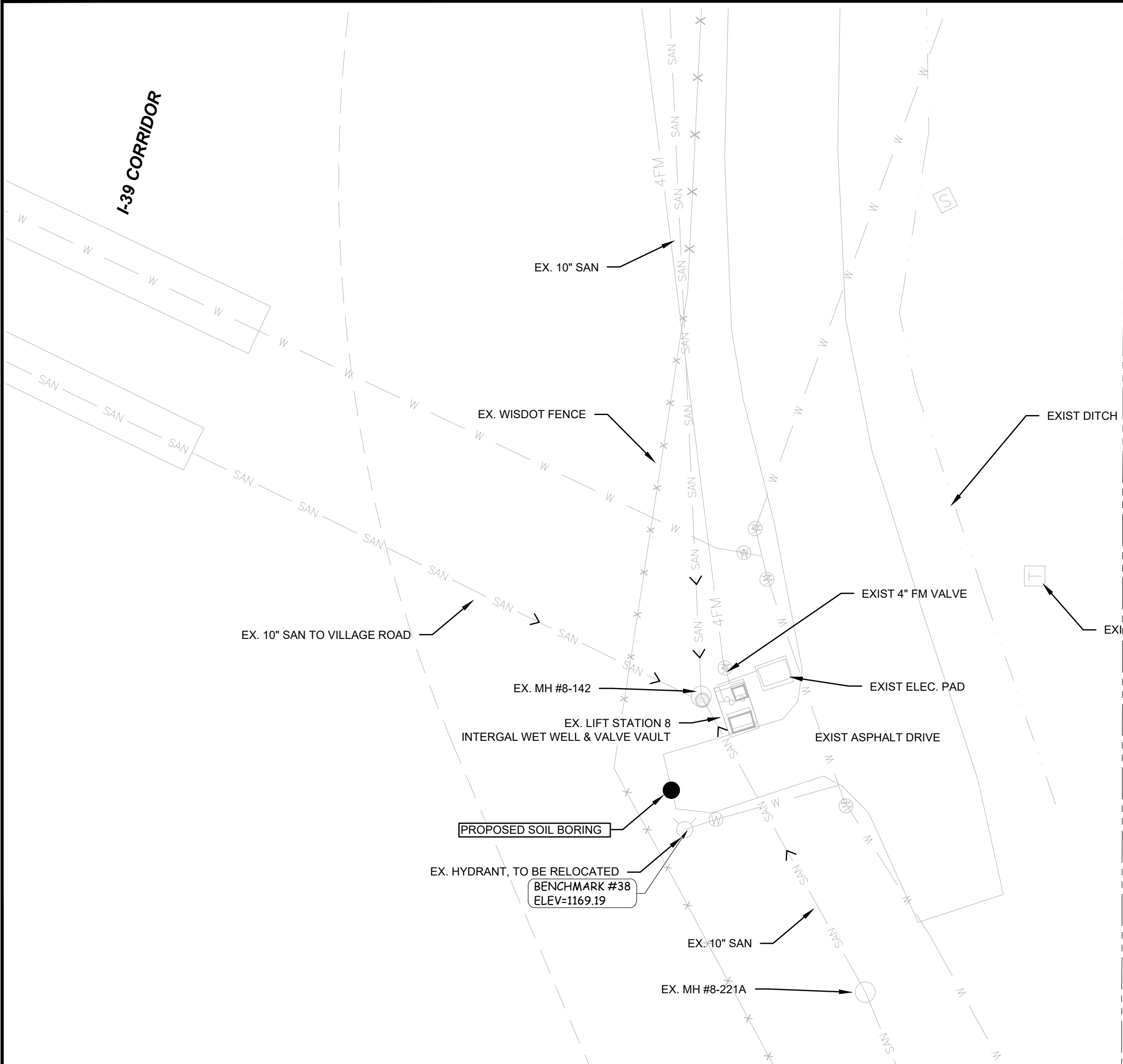


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PROJECT NO:	2023-020 (F)
DATE:	01/05/24
DESIGNED BY:	RJR
DRAWN BY:	WAC
SHEET:	C 1.9

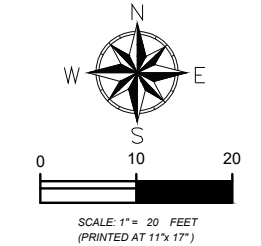
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DIGGERS HOTLINE
WISCONSIN'S ONE-CALL CENTER 811 OR (800) 242-8511
Per Wisconsin Statute 182.0175, contact Digger's Hotline for a utility locate a minimum of three business days prior to beginning excavation

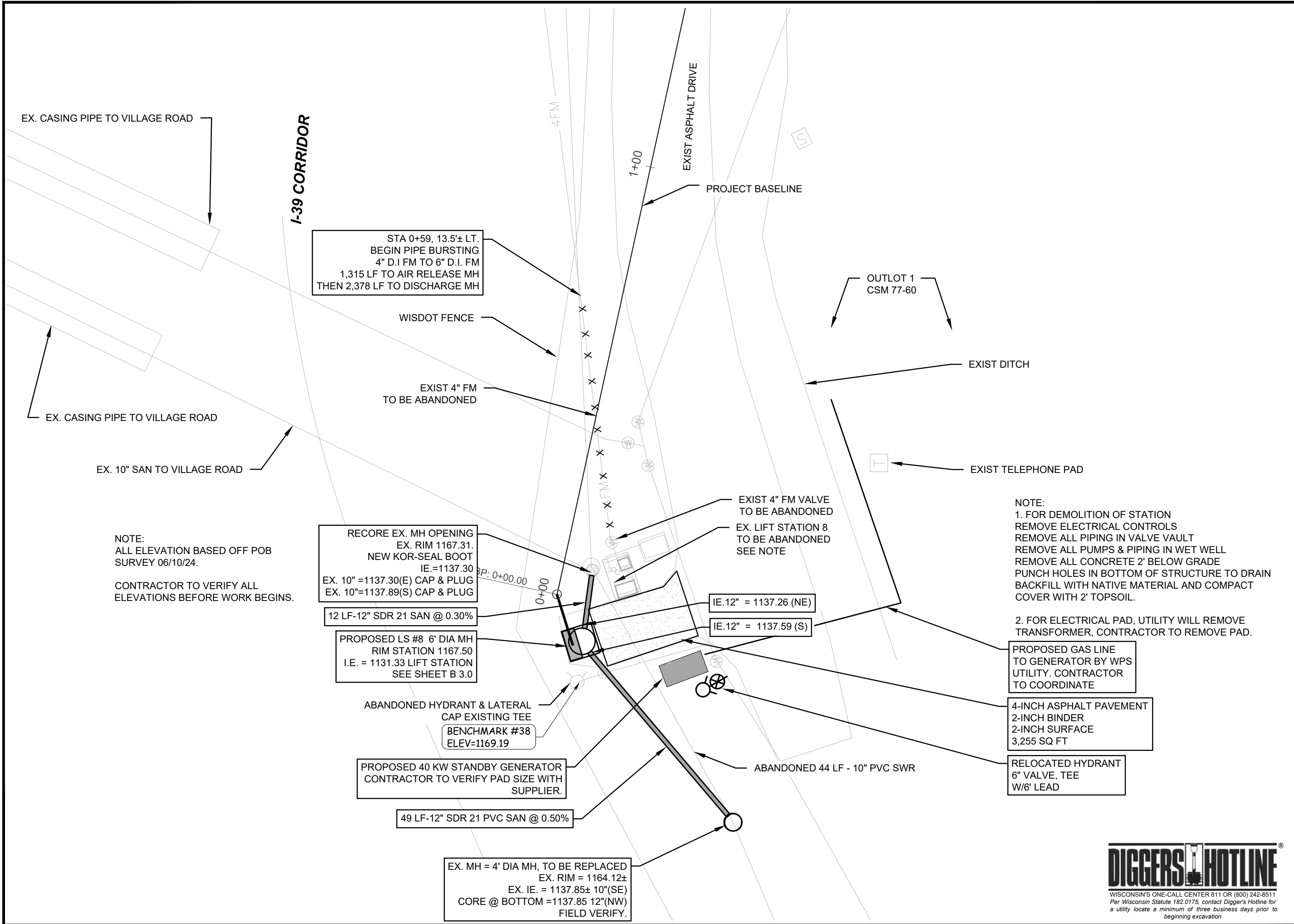
#8 LS EXISTING SITE PLAN
LIFT STATION #8 UPGRADE PROJECT
TAX INCREMENTAL FINANCE DISTRICT #2
VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN

PRELIMINARY
NOT FOR CONSTRUCTION
90% SET 08/01/24



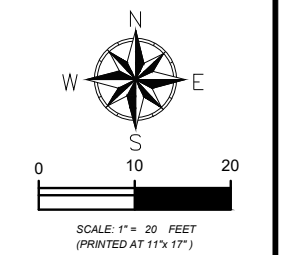
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#8 PROPOSED SITE PLAN
LIFT STATION #8 UPGRADE PROJECT
TAX INCREMENTAL FINANCE DISTRICT #2
VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN

PRELIMINARY
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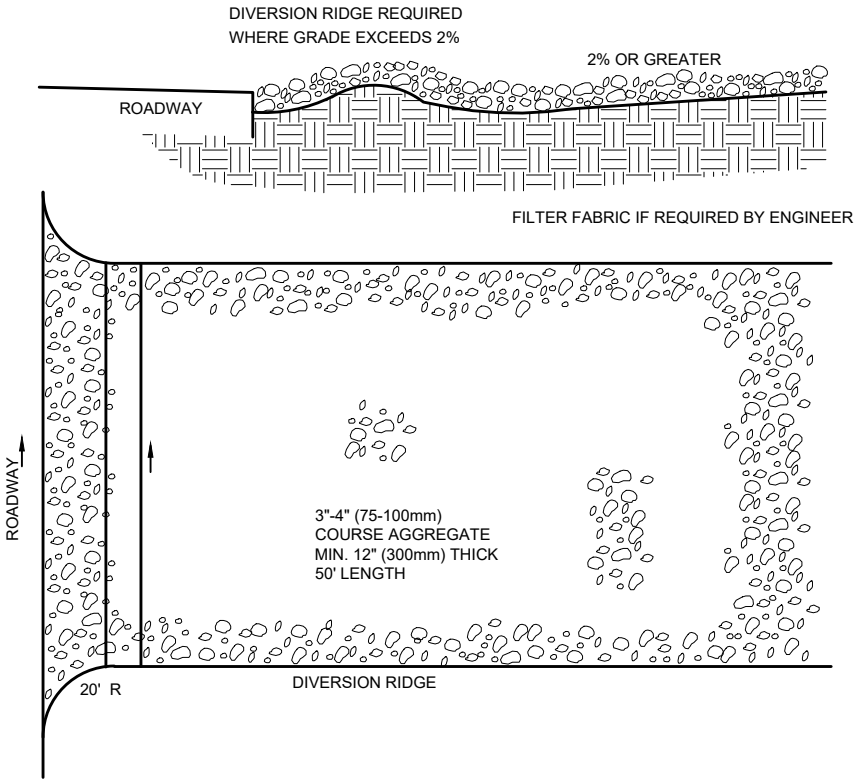


PROJECT NO:	2023-020 (F)
DATE:	07/15/24
DESIGNED BY:	RJR
DRAWN BY:	WAC
SHEET:	C 2.1



EROSION CONTROL NOTES

1. KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
2. 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.
3. INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
4. 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.
5. 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).
6. 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.
7. STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
8. 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.
9. 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.
10. INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS # 1071.
11. 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.
12. IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILZE 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.
13. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
14. 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 ENGINEER. SEPARATE SWEEPED MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
15. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES # 1068.
16. 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.
17. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS [SPECIFY CLASS I, II, OR III] TYPE [SPECIFY TYPE A, B, OR C] 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.
18. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE EROSION CONTROL MATTING AS DIRECTED BY ENGINEER. 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.
19. MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
20. 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 ENGINEER.
21. NOTIFY ENGINEER IF THERE IS A DISCHARGE OF SEDIMENT AND/OR OTHER CONTAMINANTS. A SPILL PLAN IS REQUIRED IF THERE IS POTENTIAL TO DISCHARGE CONTAMINANTS TO WATERS OF THE STATE.



- NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING. REPAIR AND/OR CLEANOUT ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. IF TRACKING PAD IS FILLED WITH SEDIMENT REMOVE AND REPLACE COURSE AGGREGATE.

ROCK CONSTRUCTION ENTRANCE

WISCONSIN'S ONE-CALL CENTER 811 OR (800) 242-8511
Per Wisconsin Statute 182.0175, contact Digger's Hotline for
a utility locate a minimum of three business days prior to
beginning excavation

EROSION CONTROL DETAILS

LIFT STATION #8 UPGRADE
TAX INCREMENTAL FINANCE DISTRICT #2
VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN

PRELIMINARY
NOT FOR CONSTRUCTION
90% SET 07/24/24

PROJECT NO: 2023-020 (F)

DATE: 10/01/23

DESIGNED BY: RJR

DRAWN BY: WAC

SHEET: D 1.0

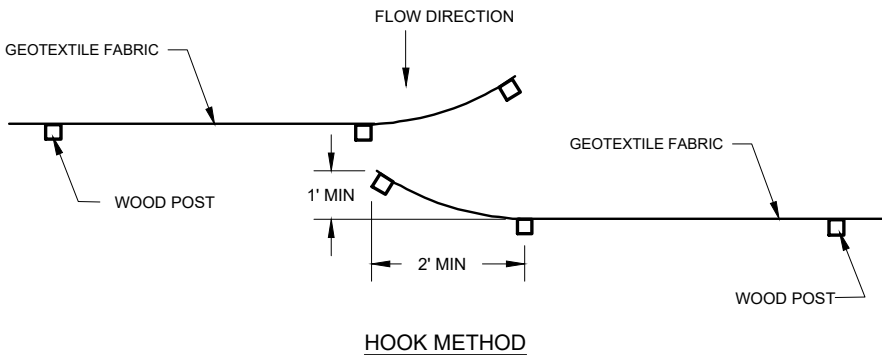
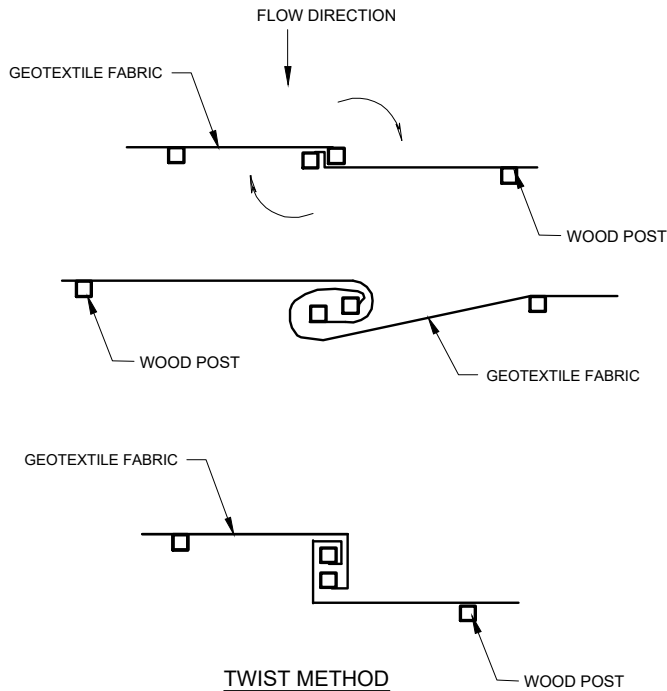


GENERAL NOTES

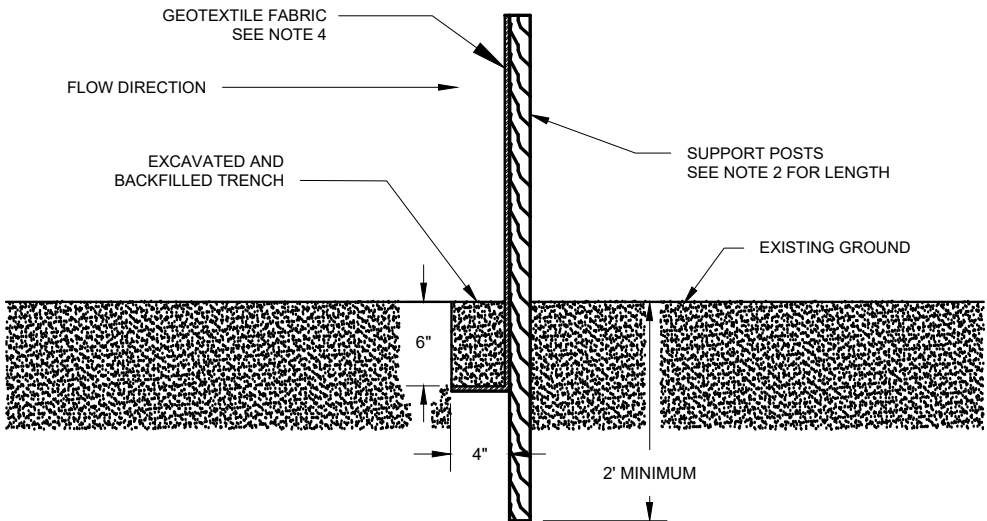
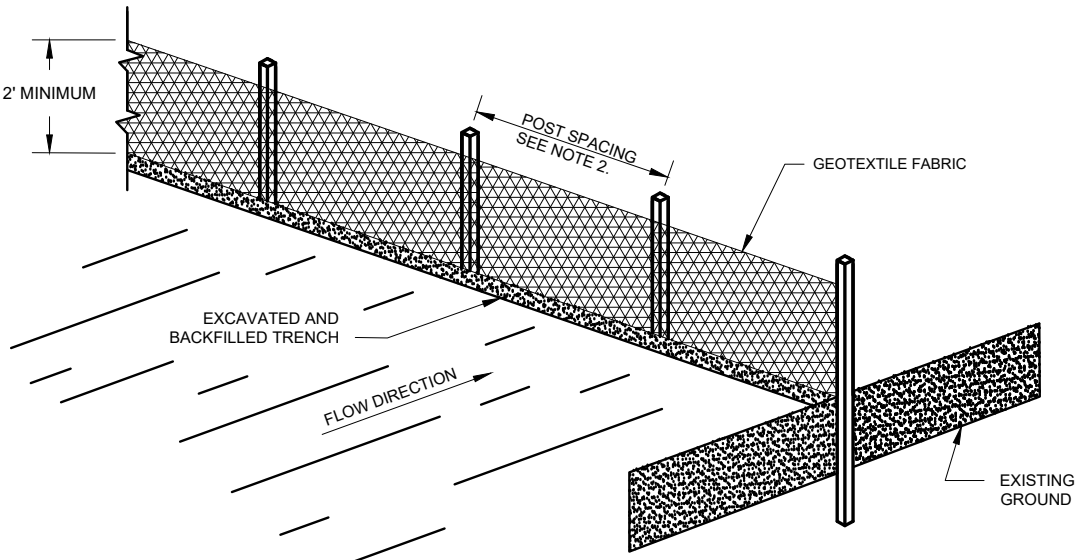
TEST REQUIREMENT	METHOD	VALUE *
MINIMUM GRAB TENSILE STRENGTH IN THE MACHINE DIRECTION	ASTM D 4632	120 LBS.
MINIMUM GRAB TENSILE STRENGTH IN THE CROSS MACHINE DIRECTION	ASTM D 4632	100 LBS.
MAXIMUM APPARENT OPENING SIZE EQUIVALENT STANDARD SIEVE	ASTM D 4751	NO. 30
MINIMUM PERMITTIVITY	ASTM D 4491	0.05 SEC ⁻¹
MAXIMUM PERMITTIVITY	ASTM D 4491	0.135 SEC. ₁ OR 10 gpm/sq ft at 50 mm constant head.
MINIMUM ULTRAVIOLET STABILITY PERCENTAGE OF STRENGTH RETAINED AFTER 500 HOURS OF EXPOSURE	ASTM D 4355	70%

* ALL NUMERICAL VALUES REPRESENT MINIMUM/MAXIMUM AVERAGE ROLL VALUES. (FOR EXAMPLE, THE AVERAGE OF MINIMUM TEST RESULTS ON ANY ROLL IN A LOT SHOULD MEET OR EXCEED THE MINIMUM SPECIFIED VALUES.)

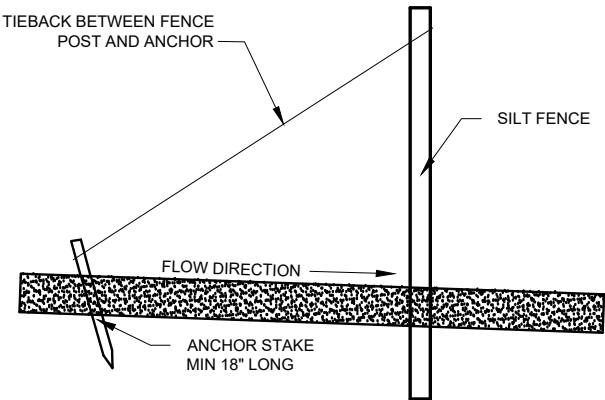
1. THE GEOTEXTILE FABRIC SHALL BE PLACED IN THE EXCAVATED TRENCH, BACKFILLED, AND COMPACTED TO THE EXISTING GROUND SURFACE.
2. WOODEN SUPPORT POSTS SHALL BE A MINIMUM DIMENSION OF 1-1/8" x 1-1/8" AIR OR KILN DRIED OF HICKORY OR OAK AND 4 FEET LONG. STEEL POSTS SHALL BE STUDDED "TEE" OR "U" TYPE WITH A MINIMUM WEIGHT OF 1.3 POUNDS PER LINEAL FOOT AND 5 FEET LONG. POST SPACING SHALL BE A MAXIMUM OF 8 FEET FOR WOVEN FABRIC AND 3 FEET FOR NON-WOVEN FABRIC.
3. THE GEOTEXTILE FABRIC SHALL BE ATTACHED DIRECTLY TO THE UPSLOPE SIDE OF WOODEN POSTS WITH 0.5 INCH STAPLES IN AT LEAST 3 PLACES, OR WITH WOODEN LATH AND NAILS. ATTACHMENT TO STEEL POSTS WILL BE BY WIRE FASTENERS OR 50 POUND PLASTIC TIE STRAPS ON THE UPSLOPE SIDE.
4. THE GEOTEXTILE FABRIC SHALL CONSIST OF EITHER WOVEN OR NON-WOVEN POLYESTER, POLYPROPYLENE, STABILIZED NYLON, POLYETHYLENE, OR POLYVINYLIDENE CHLORIDE. NON-WOVEN FABRIC MAY BE NEEDLE PUNCHED, HEAT BONDED, RESIN BONDED, OR COMBINATIONS THEREOF. ALL FABRIC SHALL MEET THE FOLLOWING REQUIREMENTS:



JOINING TWO LENGTHS OF SILT FENCE

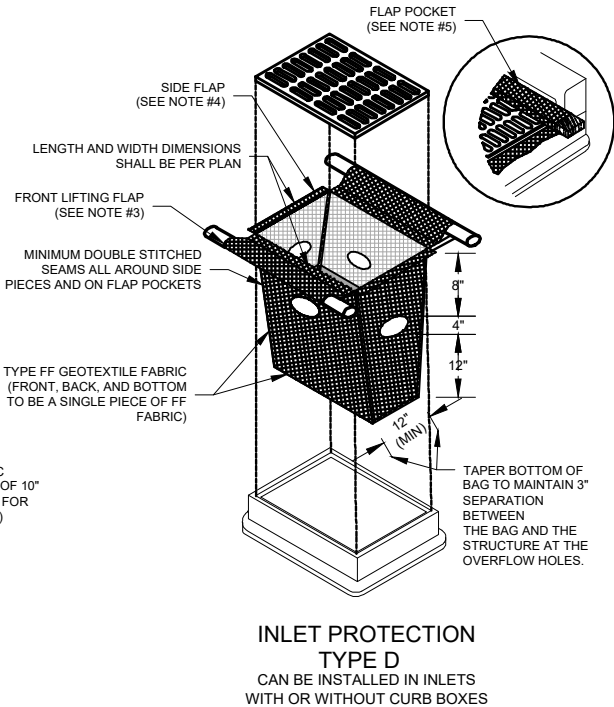
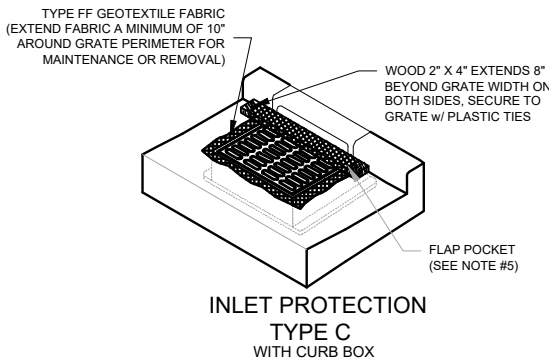
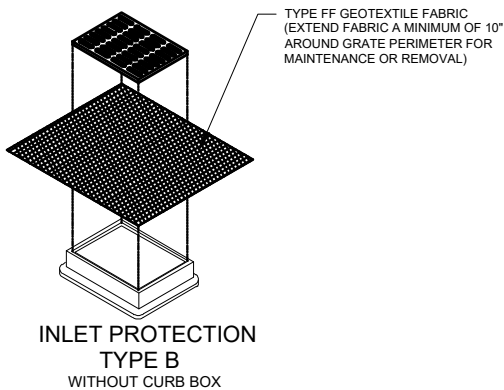
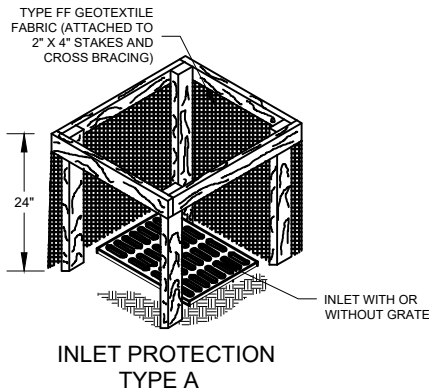
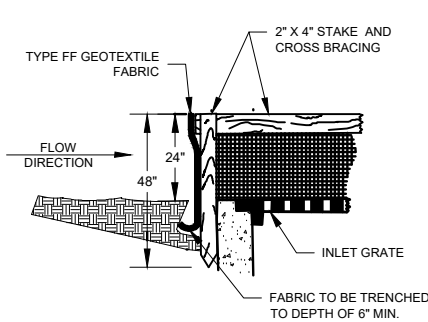


SILT FENCE TYPICAL INSTALLATION



SILT FENCE TIE BACK
(WHEN ADDITIONAL SUPPORT REQUIRED)

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MAINTENANCE NOTES:

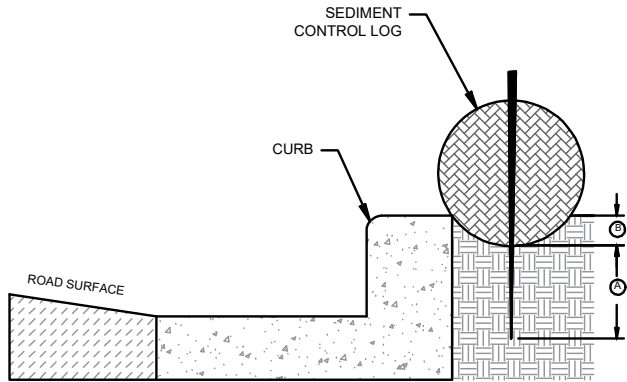
1. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE INLET SHALL BE IMMEDIATELY REMOVED.

NOTES:

1. TAPER BOTTOM OF BAG TO MAINTAIN THREE INCHES OF CLEARANCE BETWEEN THE BAG AND THE STRUCTURE, MEASURED FROM THE BOTTOM OF THE OVERFLOW OPENINGS TO THE STRUCTURE WALL.
2. GEOTEXTILE FABRIC TYPE FF FOR FLAPS, TOP AND BOTTOM OF OUTSIDE OF FILTER BAG, FRONT, BACK, AND BOTTOM OF FILTER BAG BEING ONE PIECE.
3. FRONT LIFTING FLAP IS TO BE USED WHEN REMOVING AND MAINTAINING FILTER BAG.
4. SIDE FLAPS SHALL BE A MAXIMUM OF TWO INCHES LONG. FOLD THE FABRIC OVER AND REINFORCE WITH MULTIPLE STITCHES.
5. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2" X 4". THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.

INLET PROTECTION TYPES A, B, C, AND D

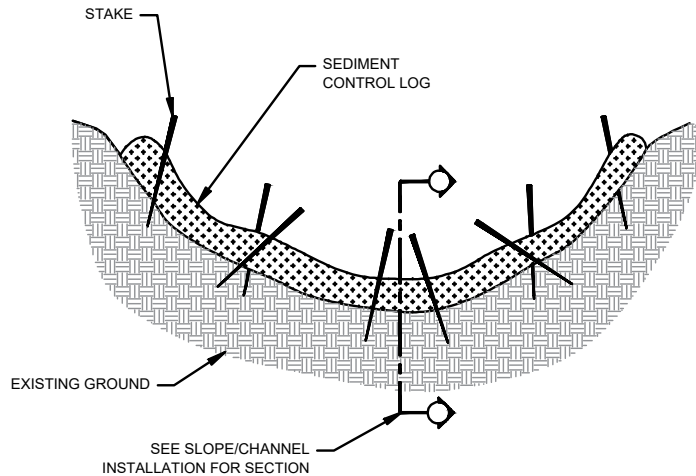
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NOTE:
Ⓐ 12" MINIMUM STAKE DEPTH
Ⓑ SET LOG IN TRENCH 3 INCHES DEEP AND BACKFILL

SECTION VIEW

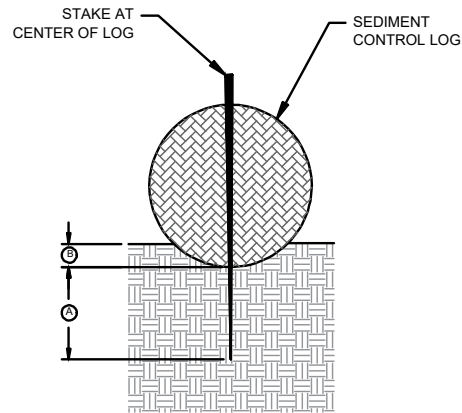
CURBSIDE INSTALLATION



DO NOT ALLOW FLOW TO OVERTOP INSTALLATION

CROSS-SECTION VIEW

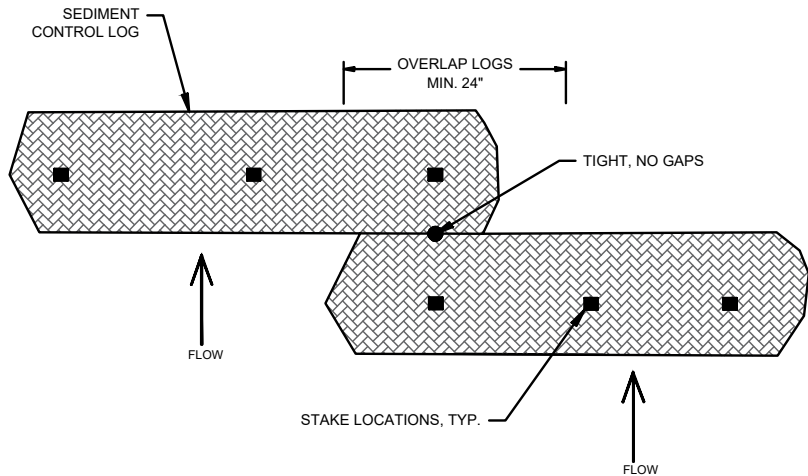
CHANNEL INSTALLATION



NOTE:
Ⓐ 12" MINIMUM STAKE DEPTH
Ⓑ SET LOG IN TRENCH 3" DEEP AND BACKFILL

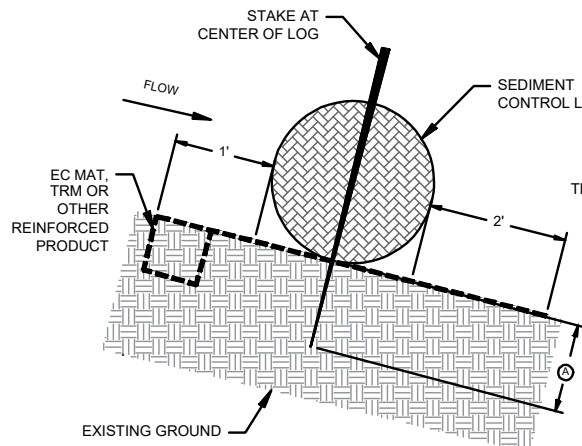
SECTION VIEW

FLAT GROUND INSTALLATION



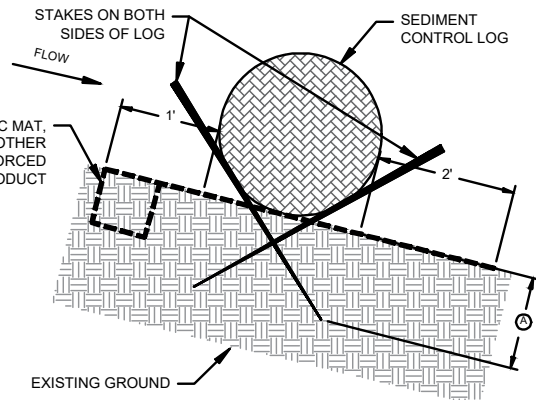
PLAN VIEW

LOG OVERLAP DETAIL



ONE-STAKE SECTION VIEW

SLOPE/ CHANNEL INSTALLATION



TWO-STAKE SECTION VIEW

TEMPORARY DITCH CHECKS

PURPOSE & OPERATION: PRODUCTS IN THIS CATEGORY ARE INTENDED FOR USE AT THE BOTTOM OF FILL SLOPES AND IN CHANNELS TO INTERCEPT AND POND SEDIMENT-LADEN RUNOFF. PONDING THE WATER REDUCES THE VELOCITY OF THE INCOMING FLOW AND ALLOWS MOST OF SEDIMENTS TO SETTLE OUT. WATER EXITS THE CHECK BY EITHER FILTERING THROUGH OR FLOWING OVER THE TOP.

CONSTRUCTION METHODS: THIS WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION, AND THE STANDARD DETAIL DRAWING IN THE WISDOT FACILITY DEVELOPMENT MANUAL. IN ADDITION TO THE ABOVE, TEMPORARY DITCH CHECKS SHALL BE PLACED PERPENDICULAR TO THE FLOW LINE OF THE DITCH AND SHALL EXTEND FAR ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE CHECKS ARE HIGHER THAN THE LOW POINT OF THE CREST OF THE CHECK. THE INSTALLED MATERIAL SHALL HAVE A MINIMUM HEIGHT OF 10 INCHES ABOVE THE FLOW LINE IN THE INSTALLED CONDITION. ALL PRODUCTS SHALL BE ENTRENCHED A MINIMUM OF 2.0 INCHES ON BARE SOIL. DITCH CHECKS INSTALLED IN A CHANNEL THAT IS CONTINUOUSLY LINED WITH EROSION MAT NEED NOT BE ENTRENCHED IF INSTALLED OVER THE TOP OF THE EROSION MAT. INSTALLATIONS SHALL HAVE STACKS ON THE DOWNSTREAM SIDE OF THE TEMPORARY DITCH CHECK AND SHALL NOT REDUCE THE HEIGHT OF THE TEMPORARY DITCH CHECK. FABRIC TYPE PRODUCTS MAY BE ENTRENCHED WITH A NARROW CHECK SLOT ON THE UPSTREAM SIDE.

APPROVED MANUFACTURED ALTERNATIVES TO THE DEPARTMENT'S DETAILS ARE LISTED BELOW.

APPROVED TEMPORARY DITCH CHECKS

PRODUCT	MANUFACTURER
CURLEX 12 INCH SEDIMENT LOG	AMERICAN EXCELSIOR
CURLEX 20 INCH SEDIMENT LOG	AMERICAN EXCELSIOR
AEC PREMIER 12 INCH WATTLE	AMERICAN EXCELSIOR
AEC PREMIER 20 INCH WATTLE	AMERICAN EXCELSIOR
STENLOG 12	EOSION CONTROL BLANKET.COM
TRIANGULAR SILT DIKE	TRIANGULAR SILT DIKE
ASPEN XCEL EXCELSIOR LOG	WESTERN EXCELSIOR
DICH CHEXX	FILTREXX
BIO-D SILT CHECK	RO LANKA
WS-12	NORTH AMERICAN GREEN

INSULATION INSTRUCTIONS - LOGS AND WATTLES

- SITE PREPARATION:** PREPARE SITE TO DESIGN PROFILE AND GRADE. REMOVE DEBRIS, ROCKS, CLODS, ETC. GROUND SURFACE SHOULD BE SMOOTH PRIOR TO INSTALLATION TO ENSURE LOG REMAINS IN CONTACT WITH SLOPE.
- STAPLE SELECTION:** AT A MINIMUM, 1" LONG BY 1" BY 24", STAKES ARE TO BE USED TO SECURE THE LOG TO THE GROUND SURFACE. INSTALLATION IN ROCKY, SANDY OR OTHER LOOSE SOIL MAY REQUIRE LONGER STAKES.
- SLOPE INSTALLATION:** PLACE RECP ALONG SLOPE TO PROVIDE UPSTREAM APRON FOR LOG. SECURE RECP ACCORDING TO STANDARD SLOPE INSTALLATION INSTRUCTIONS INCLUDING UPSTREAM ANCHOR TRENCH. SECURE LOG TO BLANKET, ENSURING LOG REMAINS IN INTIMATE CONTACT WITH THE RECP OVER THE LENGTH OF THE INSTALLATION. A MINIMUM ONE FOOT UPSTREAM APRON AND TWO FOOT DOWNSTREAM APRON ARE REQUIRED FOR INSTALLATION. SUBSEQUENT, DOWNSLOPE ROWS OF LOGS SHOULD BE SPACED APPROPRIATELY FOR SITE CONDITIONS TO MINIMIZE ACCELERATION OF FLOW. FURTHER, LOG SEAMS ARE TO BE OFFSET TO ENSURE CONTINUOUS FILTRATION. FIGURE A PRESENTS A SCHEMATIC OF A SLOPE INSTALLATION IN PROFILE VIEW.
- CHANNEL INSTALLATION:** PLACE RECP ALONG CHANNEL TO PROVIDE UPSTREAM AND DOWNSTREAM APRON FOR LOG IDENTICALLY TO SLOPE INSTALLATION. SECURE LOG TO BLANKET, ENSURING LOG REMAINS IN INTIMATE CONTACT WITH THE RECP OVER THE LENGTH OF THE INSTALLATION. A MINIMUM OF ONE FOOT UPSTREAM APRON AND TWO FOOT DOWNSTREAM APRON ARE REQUIRED FOR INSTALLATION. SUBSEQUENT, DOWNSLOPE ROWS OF LOGS SHOULD BE SPACED APPROPRIATELY FOR SITE CONDITIONS TO MINIMIZE ACCELERATION OF FLOW. FURTHER, LOG SEAMS ARE TO BE OFFSET TO ENSURE CONTINUOUS FILTRATION. FIGURE A AND FIGURE C PRESENT A SCHEMATIC OF A CHANNEL INSTALLATION.
- DRAIN FILTER INSTALLATION:** SURROUND DRAIN INLET TO BE PROTECTED WITH LOG, ENSURING SEAMS ARE OVERLAPPING TO MINIMIZE FLOW CIRCUMVENTING LOG. SECURE LOGS TO GROUND SURFACE ENSURING THE LOG REMAINS IN INTIMATE CONTACT WITH THE GROUND SURFACE OVER THE ENTIRE INSTALLATION. PROVIDE RECP APRON SECURED TO THE GROUND SURFACE BETWEEN DRAIN AND LOG.

WISCONSIN'S ONE-CALL CENTER 811 OR (800) 242-8511
Per Wisconsin Statute 182.0175, contact Digger's Hotline for a utility locate a minimum of three business days prior to beginning excavation

SILT LOG DETAILS

LIFT STATION #8 UPGRADE

TAX INCREMENTAL FINANCE DISTRICT #2

VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN

PRELIMINARY
NOT FOR CONSTRUCTION
90% SET 07/24/2024

PROJECT NO: 2023-020 (F)

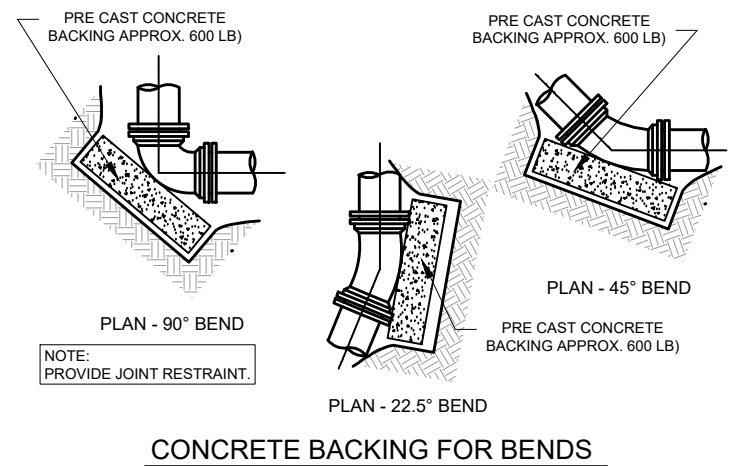
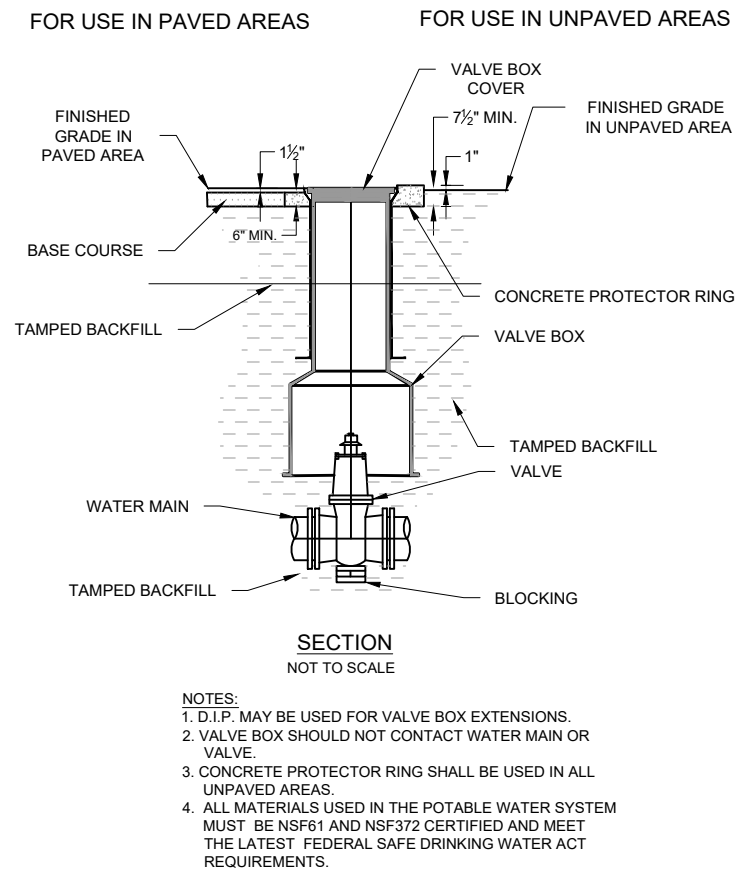
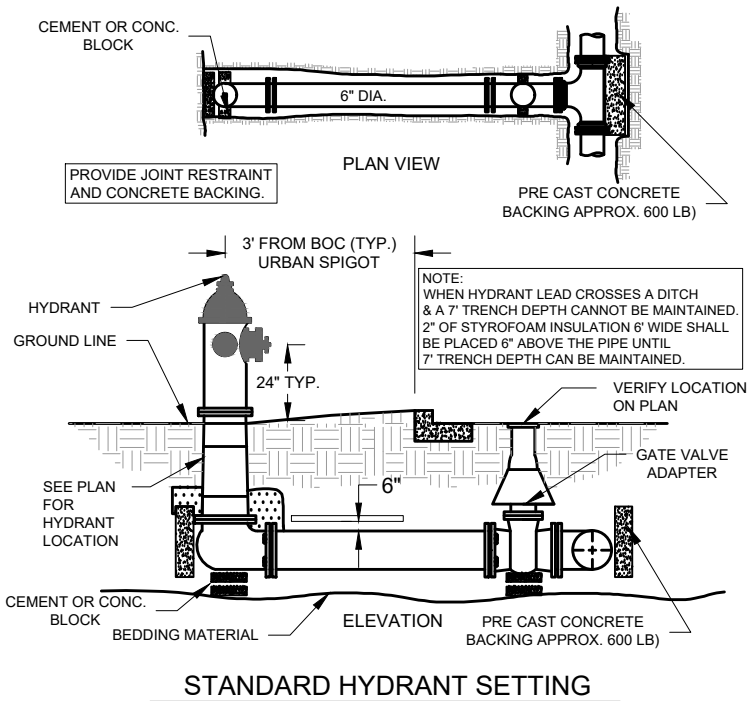
DATE: 07/24/2024

DESIGNED BY: RJR

DRAWN BY: CSS

SHEET: D 1.3

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NOTES:

1. CONCRETE SHALL BE 3,000 PSI MIN.

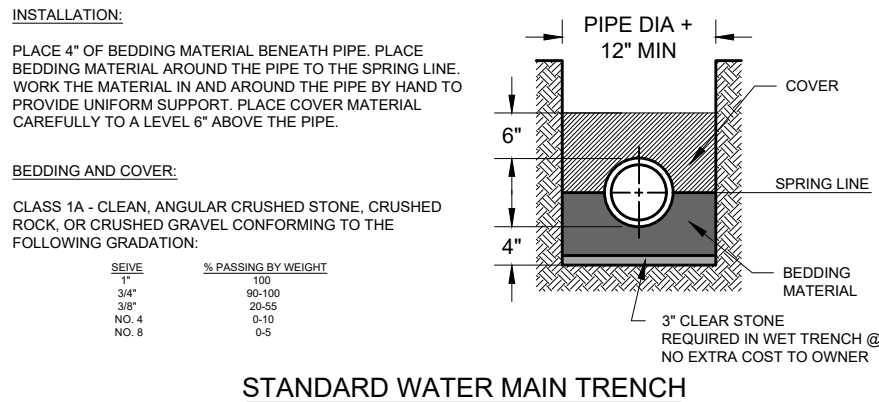
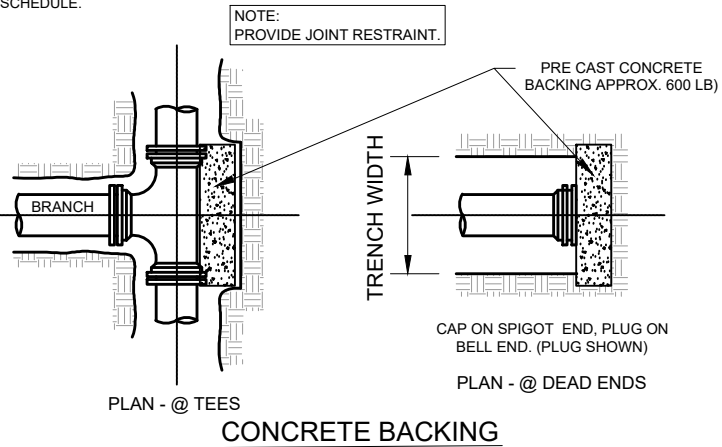
2. CONCRETE FOR THRUST BLOCKING SHALL BE KEPT FAIRLY DRY, THUS MAKING THE CONCRETE WEDGE SHAPE MORE EASILY FORMED WITH THE WIDEST PART (BLOCKING AREA) AGAINST UNDISTURBED SOIL.

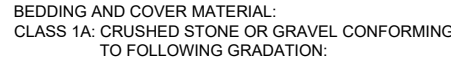
3. NO CONCRETE SHALL COVER ANY BOLTS OR GLANDS.

4. ALL FITTING AND ACCESSORIES TO BE WRAPPED WITH 10 MIL POLYETHYLENE PRIOR TO POURING BLOCKING.

5. VOLUME OF THRUST BLOCKING SHALL BE AS SHOWN ON THE THRUST BLOCKING SCHEDULE.

PIPE SIZE	90° BEND		45° BEND		22 1/2° BEND		11 1/4° BEND		TEE		PLUS	
	A	B	A	B	A	B	A	B	A	B	C	D
4"	8"	12"	8"	8"	8"	8"	8"	8"	8"	9"	10"	16"
6"	10"	12"	8"	10"	8"	8"	8"	8"	10"	10"	12"	18"
8"	15"	13"	10"	10"	8"	8"	8"	8"	10"	12"	12"	24"
10"	16"	14"	10"	12"	8"	10"	8"	10"	11"	14"	14"	25"
12"	20"	16"	12"	14"	8"	12"	8"	12"	14"	16"	16"	30"
14"	22"	18"	14"	16"	10"	14"	10"	14"	16"	18"	18"	34"
16"	26"	20"	16"	18"	12"	16"	12"	16"	18"	20"	20"	36"
20"	36"	26"	24"	18"	18"	13"	12"	9"	19"	18"	24"	48"
24"	48"	33"	30"	21"	18"	18"	15"	11"	21"	21"	28"	56"



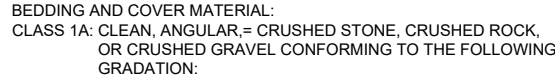


<u>SIEVE SIZE</u>	<u>%PASSING BY WEIGHT</u>
1"	100
3/4"	90-100
3/8"	20-55
NO. 4	0-10
NO. 6	0-5

CLASS 1B: CRUSHED STONE OR GRAVEL CONFORMING
TO FOLLOWING GRADATION:

<u>SIEVE SIZE</u>	<u>%PASSING BY WEIGHT</u>
1/2"	100
3/8"	85-100
NO. 4	10-30
NO. 8	0-5

INSTALLATION:
PLACE AND COMPACT BEDDING MATERIAL AND COVER IN MAXIMUM 6" LAYERS. WORK MATERIAL IN AND AROUND PIPE BY HAND TO PROVIDE UNIFORM SUPPORT. COMPACT CLASS 1B WITH HAND TAMPER OR VIBRATORY COMPACTOR TO 85% STANDARD PROCTOR.



<u>SIEVE SIZE</u>	<u>%PASSING BY WEIGHT</u>
1"	100
3/4"	90-100
3/8"	20-55
NO. 4	0-10
NO. 6	0-5

CLASS 1B: CLEAN, ANGULAR CRUSHED STONE, CRUSHED ROCK,
OR CRUSHED GRAVEL CONFORMING TO THE FOLLOWING
GRADATION:

<u>SIEVE SIZE</u>	<u>%PASSING BY WEIGHT</u>
1/2"	100
3/8"	85-100
NO. 4	10-30
NO. 8	0-5

INSTALLATION:
PLACE 4" OF BEDDING MATERIAL BENEATH PIPE. PLACE BEDDING MATERIAL AROUND THE PIPE TO THE SPRING LINE. WORK THE MATERIAL IN AND AROUND BY HAND TO PROVIDE UNIFORM SUPPORT. PLACE COVER MATERIAL CAREFULLY TO LEVEL 6" ABOVE THE PIPE.



NOTE: SEE
PLAN/PROFILE
FOR DEPTH

FLEXIBLE PIPE BEDDING (INC. CMP)

RIGID PIPE BEDDING (RCP)

SANITARY SEWER DETAILS

LIFT STATION #8 UPGRADE

TAX INCREMENTAL FINANCE DISTRICT #2

VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN

PRELIMINARY
NOT FOR CONSTRUCTION
90% SET 07/24/24

PROJECT NO: 2023-020 (F)

DATE: 10/01/23

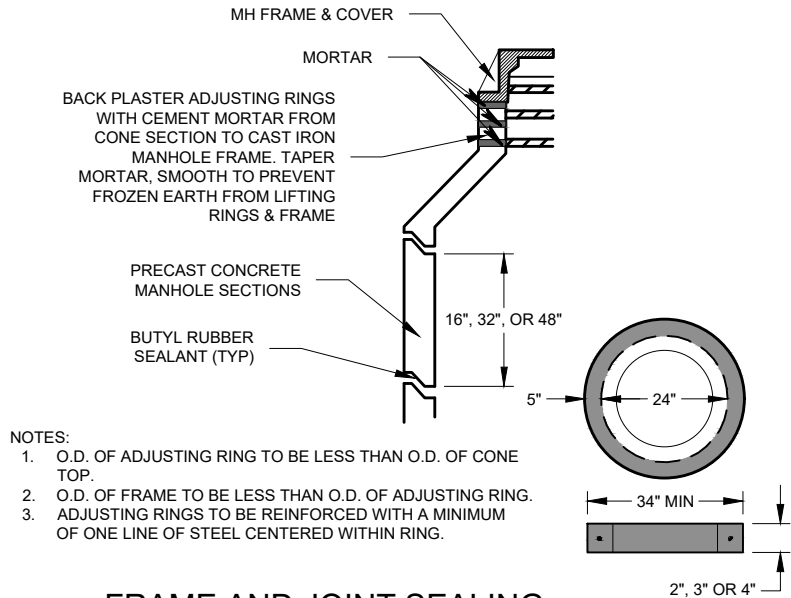
DESIGNED BY: RJR

DRAWN BY: WAC

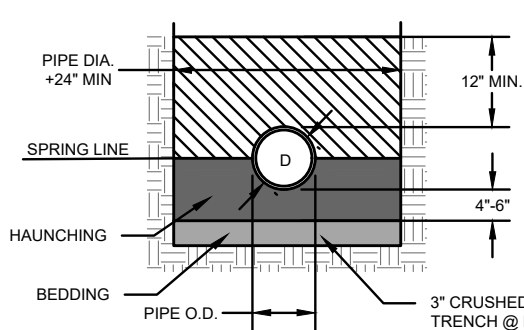
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WISCONSIN'S ONE-CALL CENTER 811 OR (800) 242-8511
Per Wisconsin Statute 182.0175, contact Digger's Hotline for
a utility locate a minimum of three business days prior to
beginning excavation

File: E-11 PROJECT FILES 2023\2023-020 VILLAGE OF KRONENWETTER\1\T02_L3.4_L3.4 UPGRADE\CD\2023-020 (F) DETAILS.DWG - Sheet Name: 2 - ANS FULL BLEED 8 (11.00 X 17.00 INCHES) Date: 7/24/2024 7:21 PM By: Wayne Cager



FRAME AND JOINT SEALING



BEDDING AND COVER MATERIAL:
CLASS 1A: CRUSHED STONE OR GRAVEL CONFORMING TO FOLLOWING GRADATION:

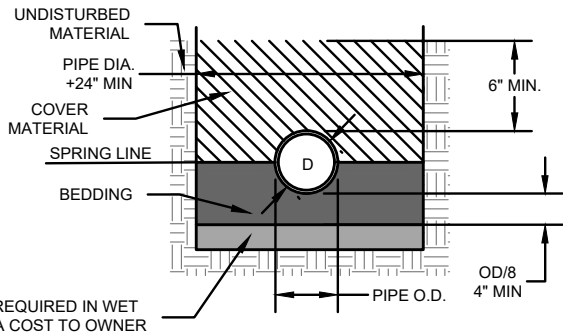
SIEVE SIZE	%PASSING BY WEIGHT
1"	100
3/4"	90-100
3/8"	20-55
NO. 4	0-10
NO. 6	0-5

CLASS 1B: CRUSHED STONE OR GRAVEL CONFORMING TO FOLLOWING GRADATION:

SIEVE SIZE	%PASSING BY WEIGHT
1/2"	100
3/8"	85-100
NO. 4	10-30
NO. 8	0-5

INSTALLATION:
PLACE AND COMPACT BEDDING MATERIAL AND COVER IN MAXIMUM 6" LAYERS. WORK MATERIAL IN AND AROUND PIPE BY HAND TO PROVIDE UNIFORM SUPPORT. COMPACT CLASS 1B WITH HAND TAMPER OR VIBRATORY COMPACTOR TO 85% STANDARD PROCTOR.

FLEXIBLE PIPE BEDDING (INC. CMP)



BEDDING AND COVER MATERIAL:
CLASS 1A: CLEAN, ANGULAR, CRUSHED STONE, CRUSHED ROCK, OR CRUSHED GRAVEL CONFORMING TO THE FOLLOWING GRADATION:

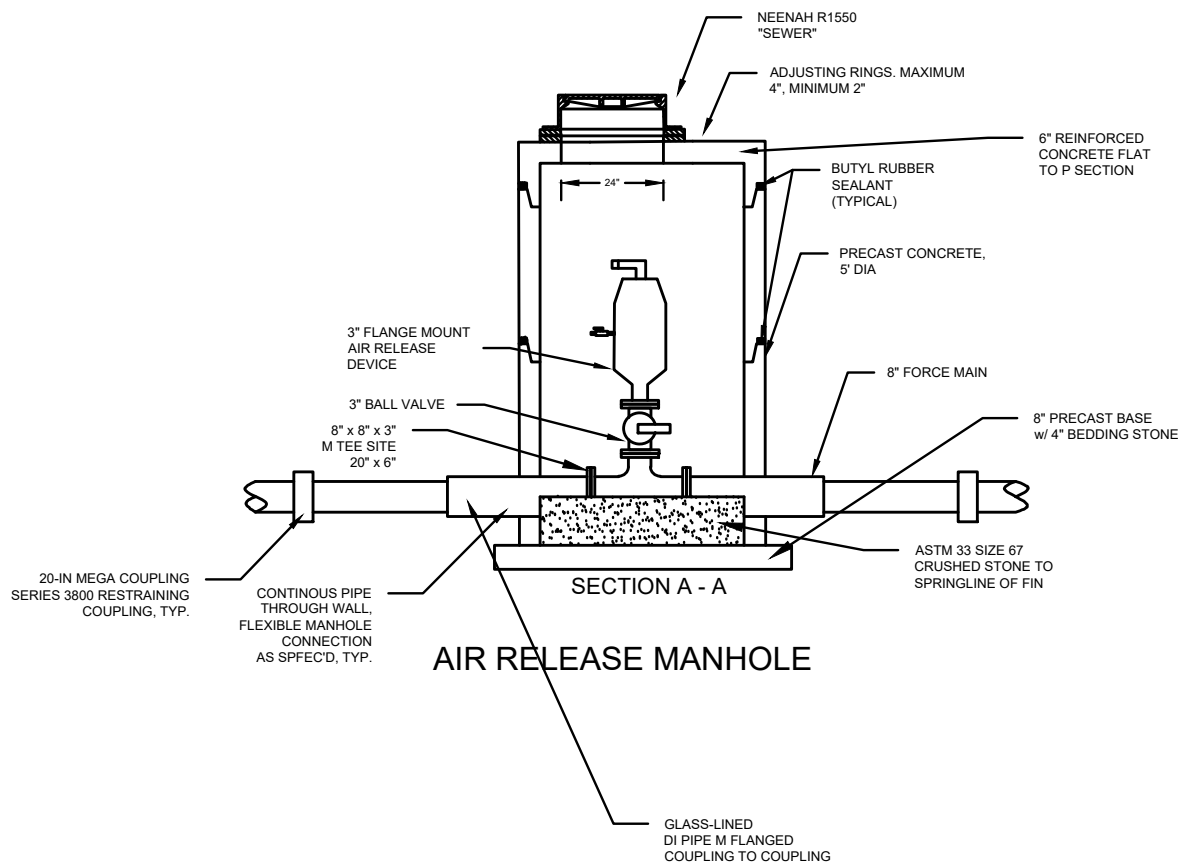
SIEVE SIZE	%PASSING BY WEIGHT
1"	100
3/4"	90-100
3/8"	20-55
NO. 4	0-10
NO. 6	0-5

CLASS 1B: CLEAN, ANGULAR CRUSHED STONE, CRUSHED ROCK, OR CRUSHED GRAVEL CONFORMING TO THE FOLLOWING GRADATION:

SIEVE SIZE	%PASSING BY WEIGHT
1/2"	100
3/8"	85-100
NO. 4	10-30
NO. 8	0-5

INSTALLATION:
PLACE 4" OF BEDDING MATERIAL BENEATH PIPE. PLACE BEDDING MATERIAL AROUND THE PIPE TO THE SPRING LINE. WORK THE MATERIAL IN AND AROUND BY HAND TO PROVIDE UNIFORM SUPPORT. PLACE COVER MATERIAL CAREFULLY TO LEVEL 6" ABOVE THE PIPE.

RIGID PIPE BEDDING (RCP)



SANITARY SEWER DETAILS

LIFT STATION #8 UPGRADE
TAX INCREMENTAL FINANCE DISTRICT #2
VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN

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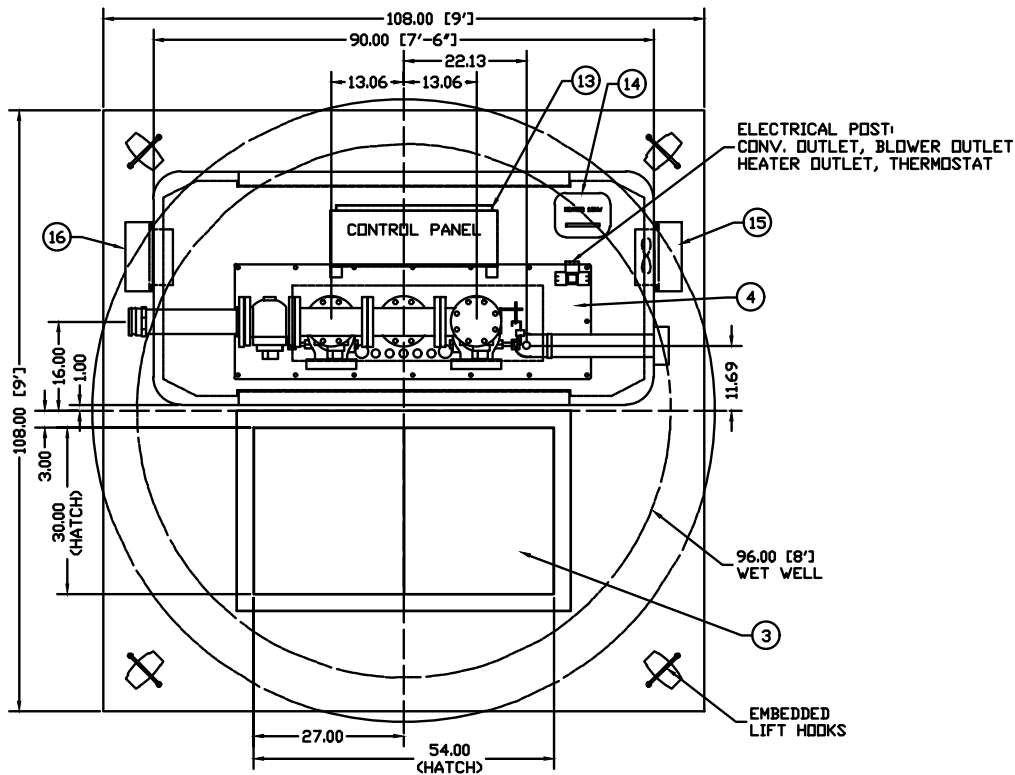
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DESIGNED BY: RJR

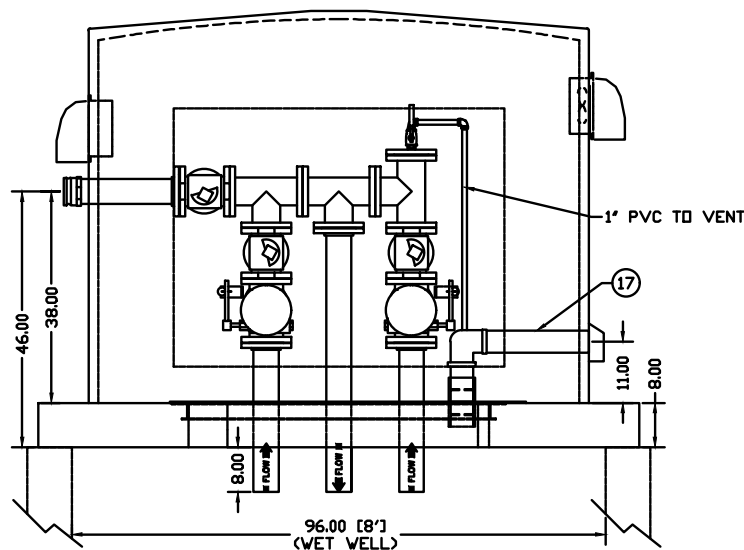
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SHEET: D 3.1

File: P:\PROJECT FILES\2023\2023-020 VILLAGE OF KRONENWETTER\T02 LSH & LSH UPGRADE\DWG\KRON-SHT D 4.0 DWG - Sheet Name: 2, ANSI FULL BLEED B (11.00 X 17.00 INCHES), Date: 02/20/24 2:50 PM, By: Wayne Sabar



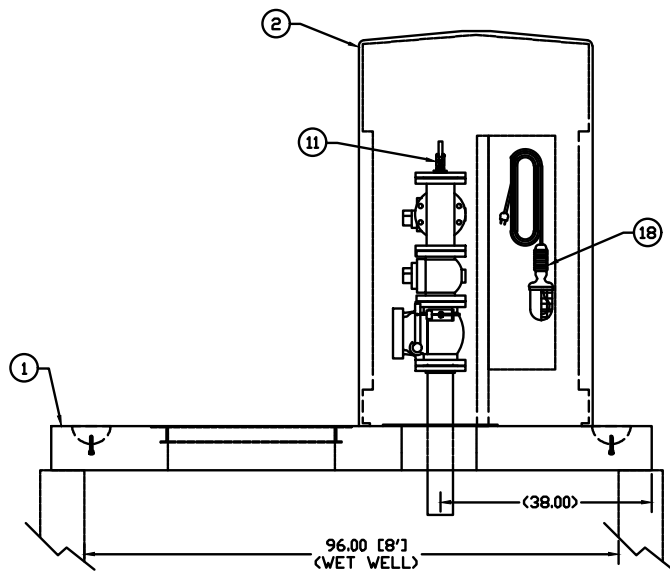
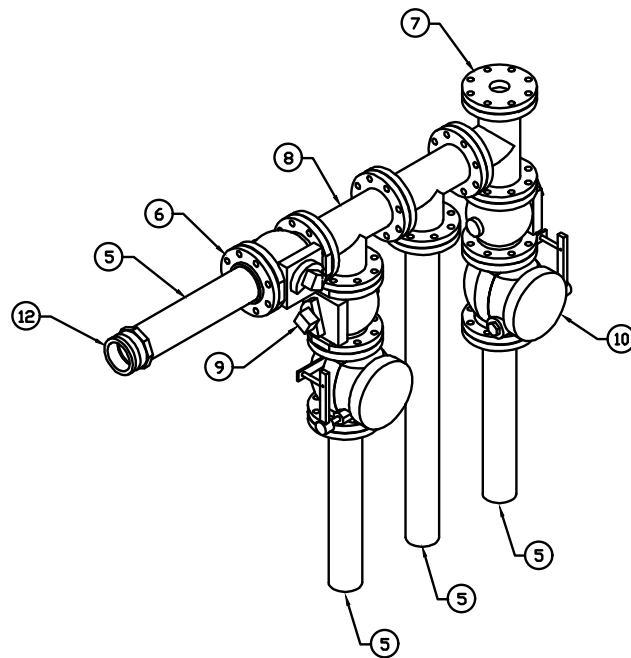
PLAN VIEW



FRONT VIEW

NOTES:

- POWER ENTRANCE INTO ENCLOSURE AND CONDUIT TO PANEL TO BE PROVIDED BY OTHERS.
- WIRE PENETRATIONS:
 - PUMP CABLE - 1.5' COUPLING @2
 - LEVEL TRANSDUCER & FLOATS - .75' COUPLING @5
- LIFT HOOK LOCATIONS SUBJECT TO CHANGE PER CONCRETE MANUFACTURER



SIDE VIEW

-	-	PAINT, DEVOE
-	-	
18	1	HAND LAMP W/ 25' CORD
17	1	PVC WET WELL VENT W/SCREENED RAIN HOOD
16	1	VENTILATION INLET, DAYTON 2C517 LOUVER & RAIN HOOD
15	1	VENTILATION BLOWER, DAYTON 1HLA1, W/DAYTON 2C517 LOUVER & RAIN HOOD
14	1	HEATER, 1.5 KW
-	-	
13	1	CONTROL PANEL, 42x30x10" (PROVIDED BY B&M TECHNICAL SERVICE, INSTALLED BY DPI)
-	-	LEVEL SENSING & ALARM EQUIPMENT (PROVIDED BY B&M TECHNICAL SERVICE)
-	1	THERMOSTAT, VENTILATION BLOWER CONTROL
-	1	CONVENIENCE OUTLET
-	-	CONDUIT, PVC
-	-	
12	1	COUPLING, 4" PT QUICK CONNECT
11	1	VALVE, 1" BALL, SMITH COOPER
10	2	VALVE, 4" CHECK, PRATT 8001 W/ LEVER AND SPRING
9	3	VALVE, 4" PLUG, MILLIKEN W/ LEVER
-	-	HARDWARE, NUTS, BOLTS, GR. 2 ZINC PLATED STEEL
-	-	GASKET, RED RUBBER RING (.06")
-	-	
8	3	TEE, 4x4x4" D.I.
7	1	FLANGE, 4" ANSI 150#, BLIND W/2" NPT HOLE
-	-	
6	4	FLANGE, 4" ANSI 150#, 304 STAINLESS STEEL
5	117"	PIPE, 4" SCH 40, 304 STAINLESS STEEL
-	-	
4	1	PIPE PENETRATION PLATE, .25" 304 STAINLESS STEEL
3	1	HATCH, 30x54", HALLIDAY PRODUCTS
2	1	ENCLOSURE, FIBERGLASS, 90x42x71", 2 DOORS, WHITE
1	1	CONCRETE BASE, 9'x9'x8", EMBEDDING LIFT HOOKS, LINE-X COATING
ITEM	QUANTITY	DESCRIPTION



TYPICAL ABOVE GROUND VALVE VAULT DETAILS

LIFT STATION #8 UPGRADE PROJECT
TAX INCREMENTAL FINANCE DISTRICT #2

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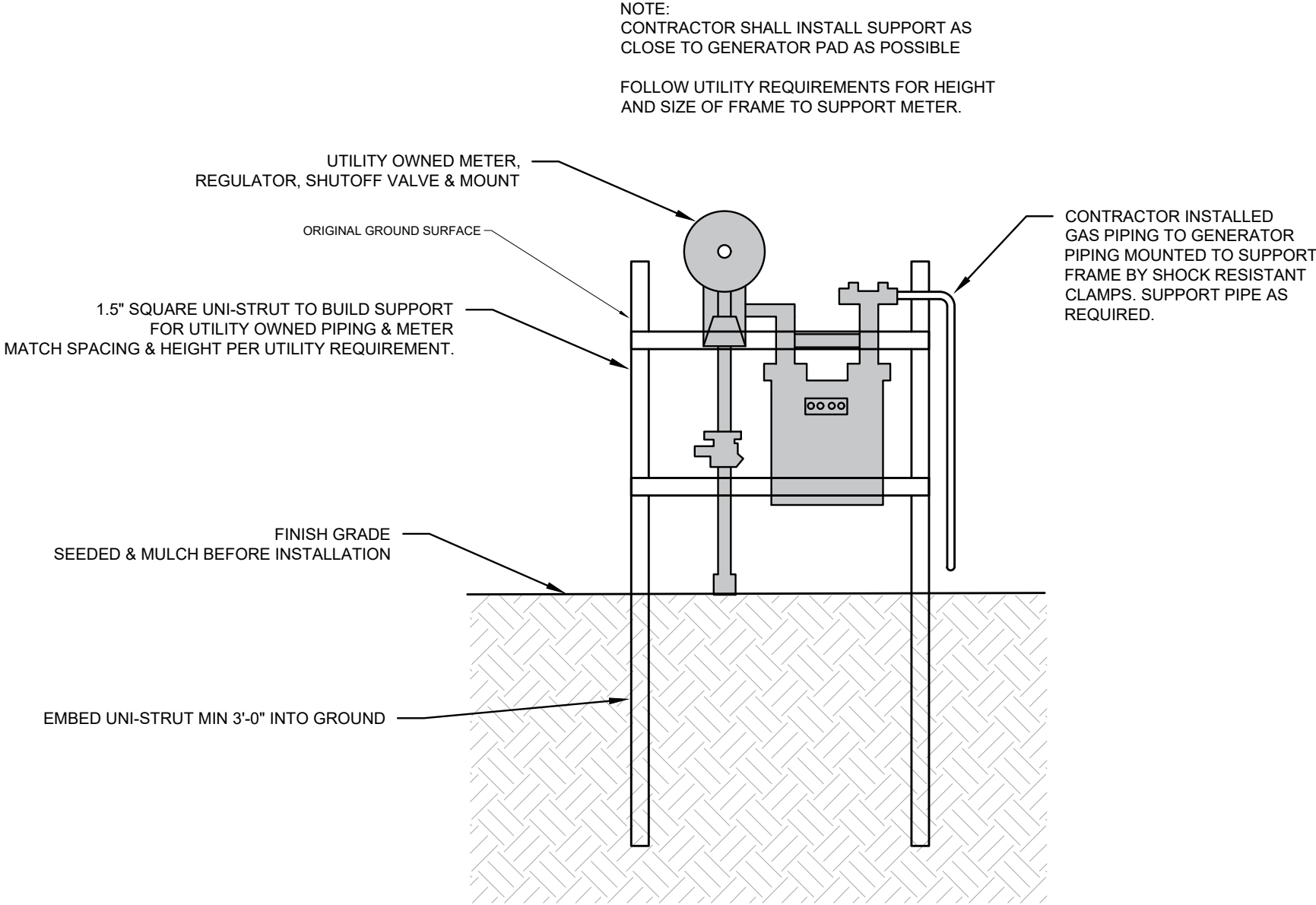
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GAS SERVICE @ GENERATOR SITE

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