

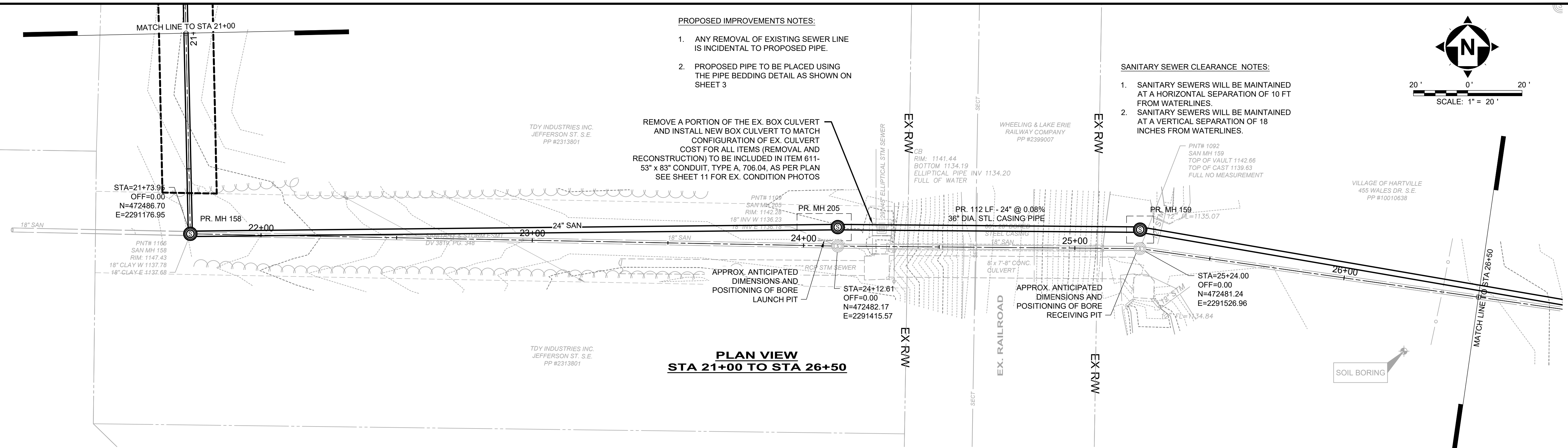
PROPOSED IMPROVEMENTS NOTES:

1. ANY REMOVAL OF EXISTING SEWER LINE IS INCIDENTAL TO PROPOSED PIPE.
2. PROPOSED PIPE TO BE PLACED USING THE PIPE BEDDING DETAIL AS SHOWN ON SHEET 3

SANITARY SEWER CLEARANCE NOTES:

1. SANITARY SEWERS WILL BE MAINTAINED AT A HORIZONTAL SEPARATION OF 10 FT FROM WATERLINES.
2. SANITARY SEWERS WILL BE MAINTAINED AT A VERTICAL SEPARATION OF 18 INCHES FROM WATERLINES.

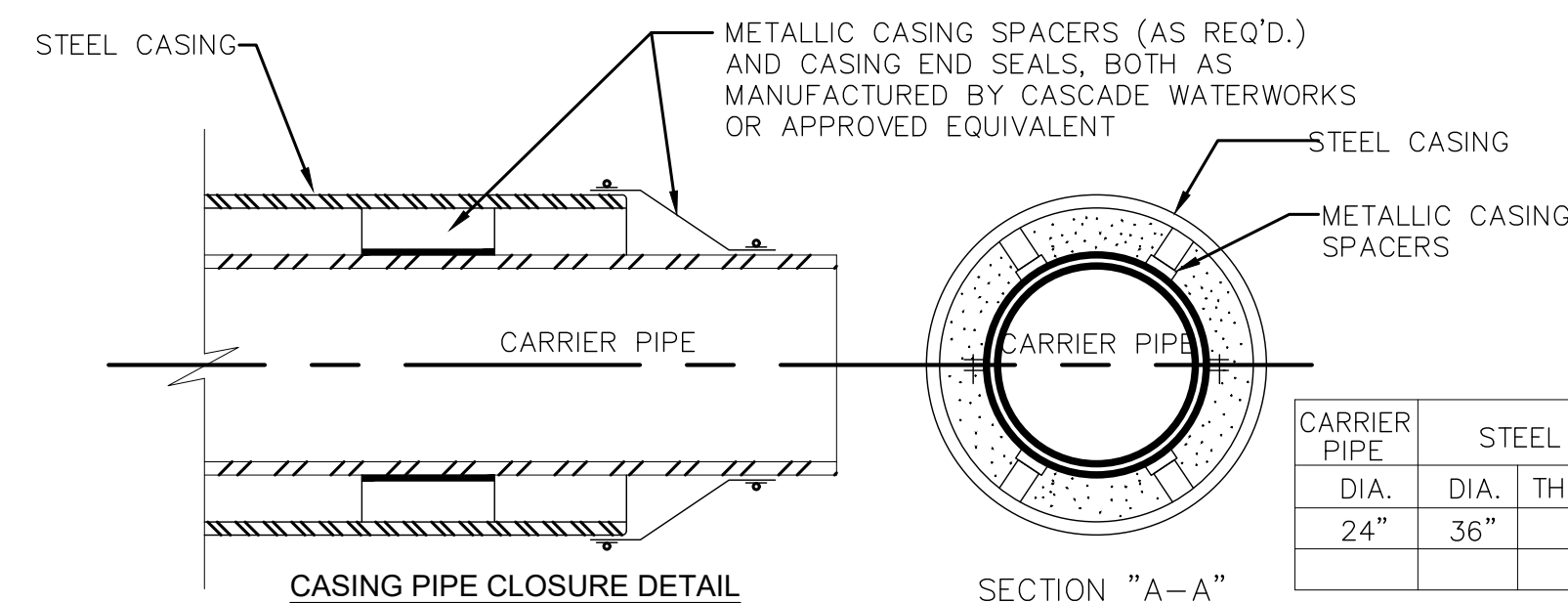
REMOVE A PORTION OF THE EX. BOX CULVERT AND INSTALL NEW BOX CULVERT TO MATCH CONFIGURATION OF EX. CULVERT COST FOR ALL ITEMS (REMOVAL AND RECONSTRUCTION) TO BE INCLUDED IN ITEM 611-53" x 83" CONDUIT, TYPE A, 706.04, AS PER PLAN SEE SHEET 11 FOR EX. CONDITION PHOTOS



**PLAN VIEW
STA 21+00 TO STA 26+50**

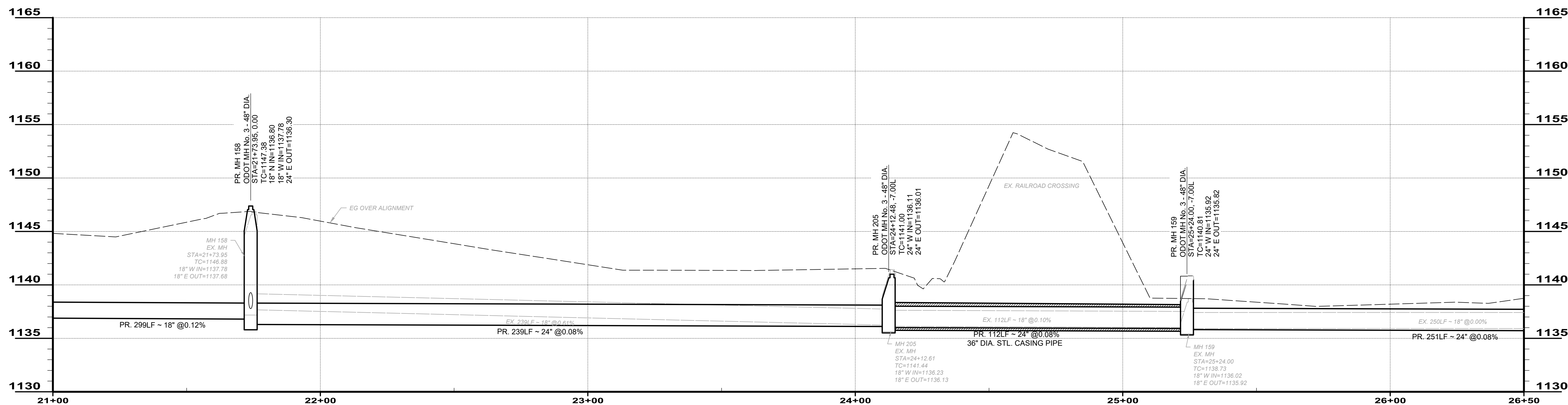
NOTES:

1. CARRIER PIPE SHALL BE C-900 FUSIBLE PVC PIPE. THE CARRIER PIPE SHALL CARRY SANITARY FLOW THROUGH A NON-PRESSURE PIPE.
2. CASING PIPES SHALL BE A STEEL PIPE CONSTRUCTED BY JACK AND BORE. THE STEEL CASING PIPE SHALL HAVE A MINIMUM YIELD STRENGTH OF 35,000 PSI, MEETING ASTM A53. JOINTS SHALL BE WATERTIGHT THROUGH OUT THE LENGTH OF THE CASING PIPE. MINIMUM WALL THICKNESS SHALL BE 0.532 IN.
3. CARRIER PIPE SHALL BE PROVIDED WITH CASING SPACERS, A MINIMUM OF THREE PER PIPE SECTION.
4. CONTRACTOR SHALL ADHERE TO THE WHEELING & LAKE ERIE RAILWAY COMPANY - DESIGN AND CONSTRUCTION STANDARD SPECIFICATIONS MANUAL.
5. UNDER THE RAILROAD THE AUGER SHALL BE FITTED WITH A RESTRAINT MECHANISM TO POSITIVELY PREVENT IT FROM EXCAVATING AHEAD OF THE CASING PIPE.
6. SEE TECHNICAL SPECS FOR RAILROAD CROSSING.



CARRIER PIPE		STEEL CASING PIPE		
DIA.	DIA.	THICK	GRADE	TYPE OF FILL
24"	36"			

BORING DETAIL
5/10 SD-2-7A



**PROFILE
STA 21+00 TO STA 26+50**



ISSUED FOR:	PRELIM	NO.	REVISION	DATE
ISSUE DATE:	7/18/2021			
SCALE:	AS NOTED			
DESIGNED BY:	EMS			
DRAWN BY:	EMS			
CHECKED BY:	SSA			

VILLAGE OF HARTVILLE
MAIN TRUNK SANITARY
SEWER REPLACEMENT
VILLAGE OF HARTVILLE, OHIO
STARK COUNTY
PLAN & PROFILE - 21+00 TO 26+50

PROJECT NO.	210229
DISCIPLINE	CIVIL
SHEET NAME	10C-03
SHEET	7
OF	11