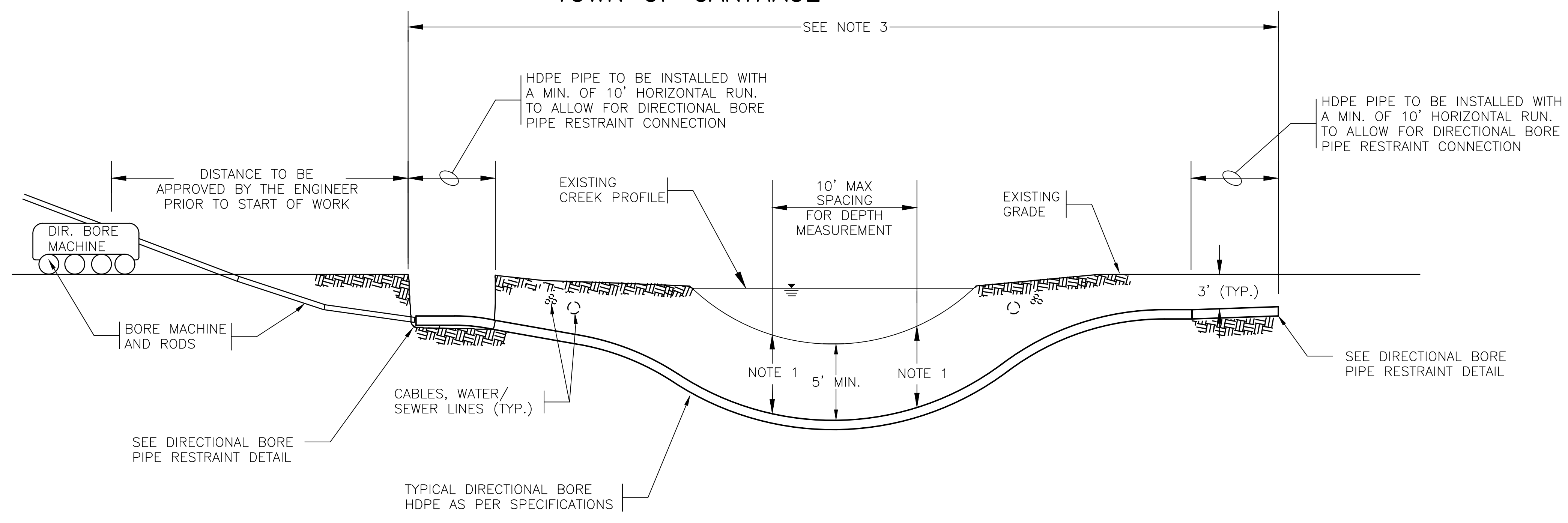


PROJECT TYPICAL DETAILS

TOWN OF CARTHAGE

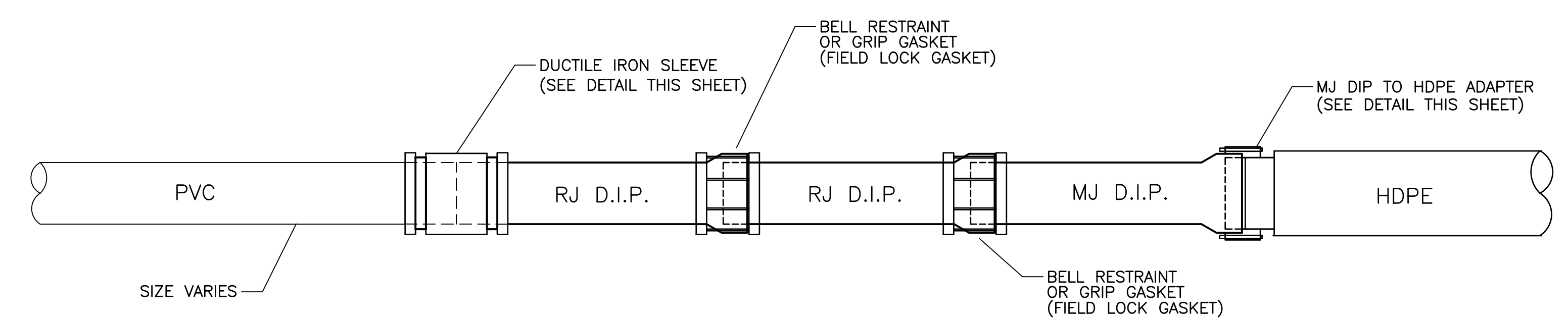


PROJECT REFERENCE NO.	SHEET NO.
BR-0035	UC-3G
DESIGNED BY: MAL	
DRAWN BY: BCS	
CHECKED BY: MAL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	10/12/2021
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY
UTILITY CONSTRUCTION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



TYPICAL DIRECTIONAL BORE FOR HIGH-DENSITY POLYETHYLENE (HDPE) PIPE

N.T.S.

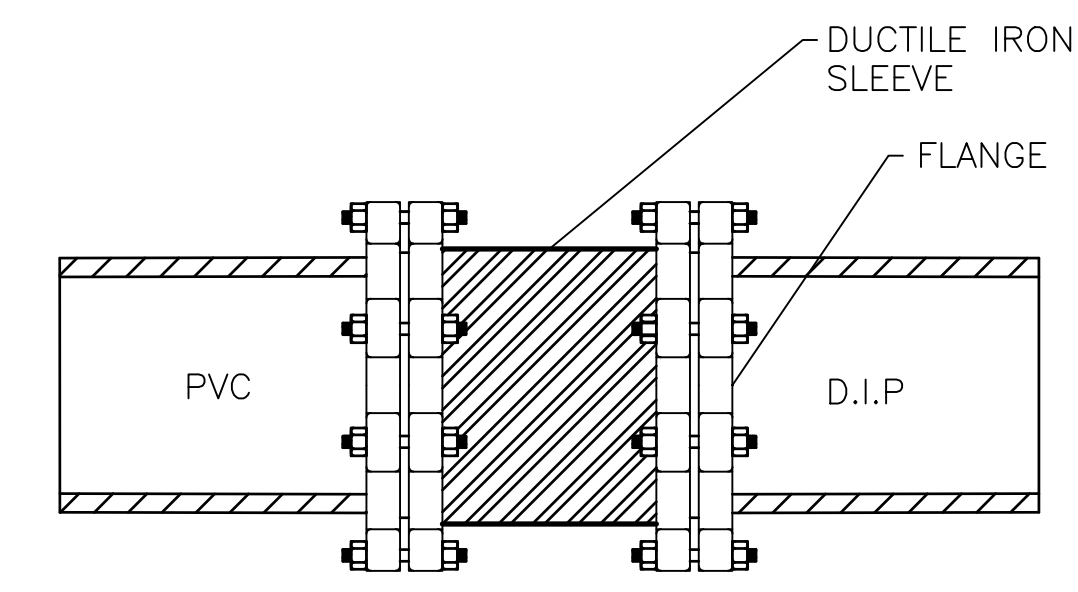


DIRECTIONAL BORE PIPE RESTRAINT

N.T.S.

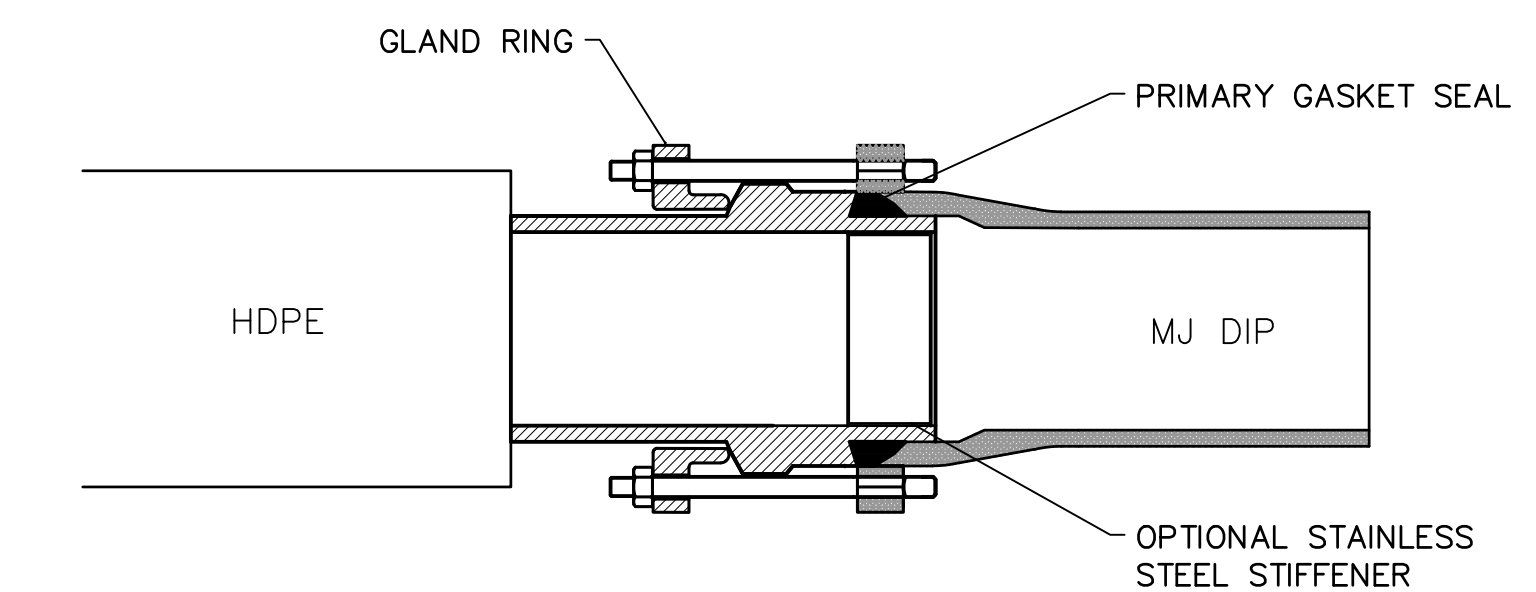
NOTES:

1. A PROFILE AND PLAN SHALL BE PROVIDED FROM ENTRY TO EXIT FOR EACH DIRECTIONAL BORE SECTION BY THE DIRECTIONAL BORE CONTRACTOR.
2. ALL BORE SECTIONS SHALL BE HYDROSTATICALLY TESTED PER SPECIFICATION STANDARDS UPON COMPLETION OF INSTALLATION AND PRIOR TO PLACING HDPE IN SERVICE.
3. LENGTH OF CROSSING, LOCATION OF INSPECTION/OBSERVATION EXCAVATION, NUMBER OF PIPE JOINTS, LOCATION OF BORE MACHINE, AUGER ENTRANCE LOCATION, AND TIE-IN POINTS ARE TO BE APPROVED BY THE ENGINEER PRIOR TO ANY START OF WORK.
4. THIS DETAIL IS ALSO APPLICABLE TO STREAMS, WETLANDS, LARGE STORM DRAINS, AND SIMILAR APPLICATIONS FOR DIRECTIONAL BORE WITH POLY-ETHYLENE PIPE.
5. THE BORE DEVELOPED FOR THE LEAD IN END OF THE PIPE SHALL BE KEPT AT A MINIMUM DIAMETER FOR THE PIPE INSTALLATION. THE LEAD IN END SHALL BE PULLED THROUGH WITHOUT THE M.J. FLANGE ATTACHED FOR LARGER THAN 6" PIPE INSTALLATIONS. THE M.J. FLANGE FOR SAID LEAD IN END SHALL BE INSTALLED AFTER THE PIPE INSTALLATION WITH THE USE OF A SPLIT M.J. FLANGE PER THE DETAIL ON THIS DRAWING.



DIP/PVC TRANSITION ASSEMBLY

N.T.S.



HDPE TO MECHANICAL JOINT ADAPTER

N.T.S.

L:\Cart-19.02_Hwy_22_Utilities_Relocation\800 - Drawings\DOT\Cart-19.02_Directional Bore Detail.dwg: Last Saved By: BRYAN, 10/6/2021 4:31:31 PM; Layout1: Plotted By: Bryn Stone, 10/07/21 02:09:48 PM
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