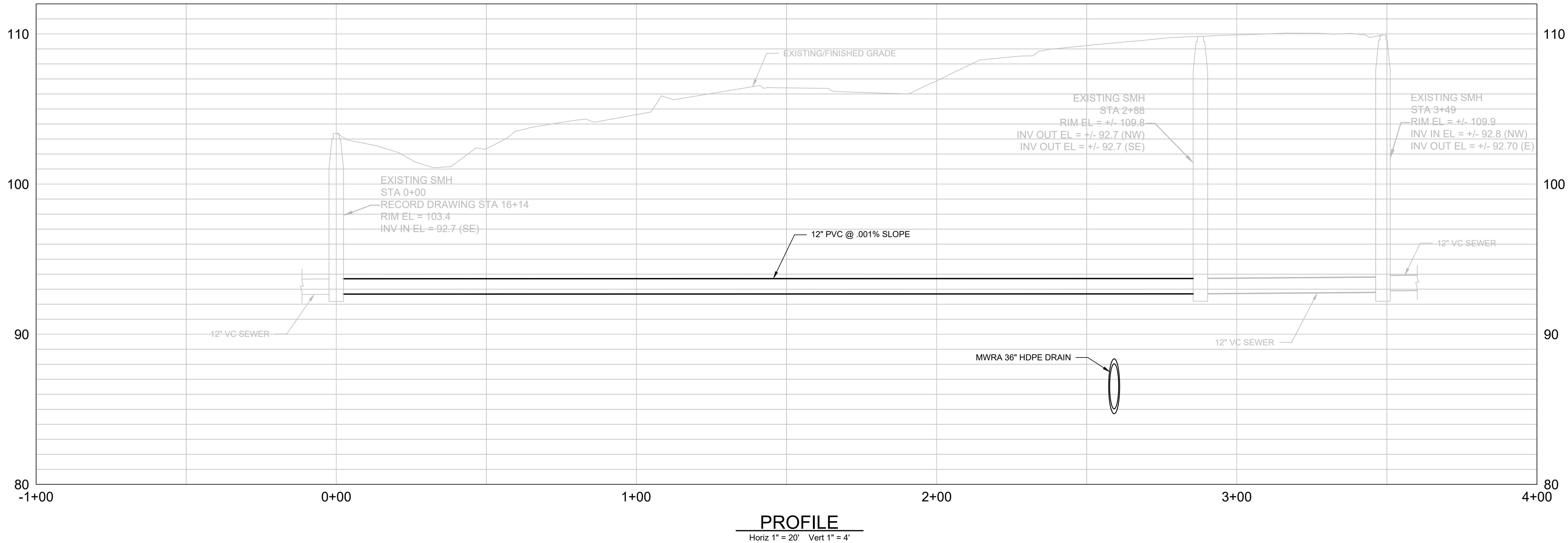
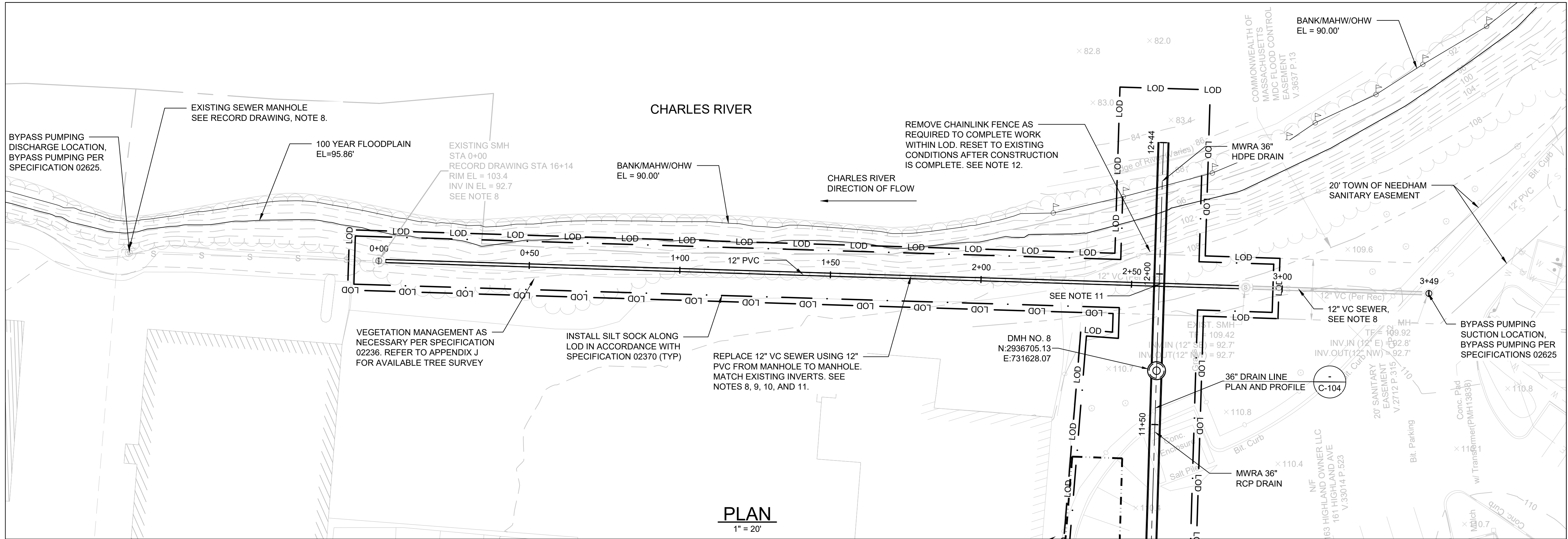
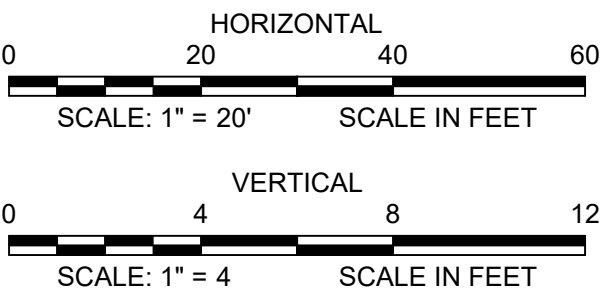


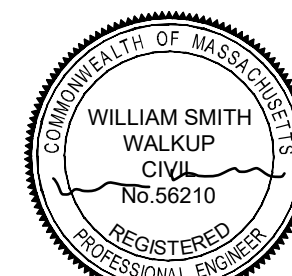


NOTES:

- MINIMUM VERTICAL CLEARANCE BETWEEN NEW DRAIN AND SEWER LINES SHALL BE 18".
- MINIMUM VERTICAL CLEARANCE BETWEEN NEW DRAIN AND OTHER UTILITIES SHALL BE AT LEAST 12".
- CONTRACTOR SHALL PROTECT ALL TREES WITHIN LIMITS OF DISTURBANCE AS PER DETAIL A ON C-504, UNLESS OTHERWISE INDICATED. CONTRACTOR SHOULD AVOID DAMAGING ANY TREES REGARDLESS OF WHETHER THE TREES ARE WITHIN THE LIMITS OF DISTURBANCE.
- PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PLACE A "DIG SAFE" REQUEST AND HAVE ALL UTILITIES MARKED. CONTRACTOR SHALL TEST PIT ALL EXISTING UTILITIES INCLUDING AND NOT LIMITED TO THE TOWN OF NEEDHAM UTILITIES, GAS LINES AND DUCT BANKS WITHIN THE LIMITS OF DISTURBANCE PRIOR TO CONSTRUCTION. TEST PIT TO LOCATE AND CHARACTERIZE EXISTING UTILITIES, DEPTH, SIZE, CONDITION, COORDINATE POINTS, AND UTILITY MATERIAL SHALL BE RECORDED AND PROVIDED TO THE AUTHORITY. IF UTILITY CONFLICTS EXIST, CONTRACTOR SHALL NOTIFY THE AUTHORITY IMMEDIATELY.
- DURING CONSTRUCTION, IF ANY OF THE UTILITIES OR EXISTING STRUCTURES ARE DAMAGED, THEY MUST BE REPLACED, IN KIND, FROM STRUCTURE TO STRUCTURE AT NO ADDITIONAL COST TO THE AUTHORITY.
- CONTRACTOR TO COORDINATE WITH EVERSOURCE TO PROVIDE POWER POLE SUPPORT WHEN ANY PART OF OPEN TRENCH IS WITHIN 5 FEET OF POWER POLE, GUY WIRES, OR AS CONDITIONS WARRANT.
- BORING LOCATIONS ARE SHOWN ON DRAWING B-101.
- REFER TO APPENDIX B OF THE SPECIFICATIONS FOR AVAILABLE UTILITY RECORD DRAWINGS. SEWER ALIGNMENT HAS BEEN APPROXIMATED BASED ON RECORD DRAWINGS FOR EXTENTS THAT ARE SHOWN OUTSIDE OF THE SURVEY LIMIT IDENTIFIED ON V-103. LOCATIONS OF MANHOLES SHOULD BE FIELD VERIFIED. ALL EXISTING UTILITIES MAY NOT BE SHOWN ALONG SEWER PROFILE.
- REPLACE ALL EXISTING SEWER PIPELINES CROSSING THE 36-INCH DRAIN PIPE AND ALL SEWER SERVICE LINES CONNECTING TO A REPLACED SEWER MAIN. REPLACEMENT LENGTHS TO EXTEND TO THE NEAREST EXISTING PIPE JOINT AND IN NO CASE LESS THAN 5 FEET FROM THE CENTERLINE OF THE 36-INCH DRAIN PIPE TO EACH SIDE OF THE PIPELINE CROSSING. USE RUBBER COUPLINGS TO CONNECT PVC TO EXISTING. REPLACEMENT IN ACCORDANCE WITH SPECIFICATION 01100 AND 02625.
- PERFORM CCTV INSPECTION OF ALL UTILITIES WITHIN THE LOD, INCLUDING TOWN OF NEEDHAM SEWER AND DRAIN PIPES. CCTV INSPECTION MUST BE PERFORMED PRIOR TO CONSTRUCTION AND UPON COMPLETION OF REPLACEMENT OR REHABILITATION. CCTV IN ACCORDANCE WITH SPECIFICATION 02513 AND 02625.
- APPROXIMATELY 11.3 FEET OF THIS SEWER WAS REPLACED WITH 12-INCH PVC PIPE AND CONNECTED TO THE EXISTING SEWER USING RUBBER COUPLINGS. SEE SKETCH INCLUDED IN APPENDIX B OF THE SPECIFICATIONS.
- STORE FENCE AFTER REMOVAL. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO THE FENCE.



BID DOCUMENTS

REFERENCE:						CONTRACT NO. : 8086	CAD FILE NO. : 3-3-C-403		 MASSACHUSETTS WATER RESOURCES AUTHORITY PREPARED BY :  100 SUMMER STREET BOSTON, MA 02110 617-426-7330	 BLACK & VEATCH 200 SUMMIT DRIVE, SUITE 340 BURLINGTON, MA 01803 781-656-5800	METROPOLITAN WATER TUNNEL PROGRAM CONTRACT PACKAGE 3.3 NEEDHAM DEWATERING DRAINAGE LINE		DRAWING NO.
						ACCESSION NO. : NOTUSED	SECTION NO. :				C-403		
						DATE: SEPTEMBER, 2026	DESIGNED BY: ANW DRAWN BY: CJG CHECKED BY: KRR APPROVED BY: WSW					14 of 41	
						SCALE: AS NOTED							
	NO.	DATE	BY	CHK'D	REVISION								