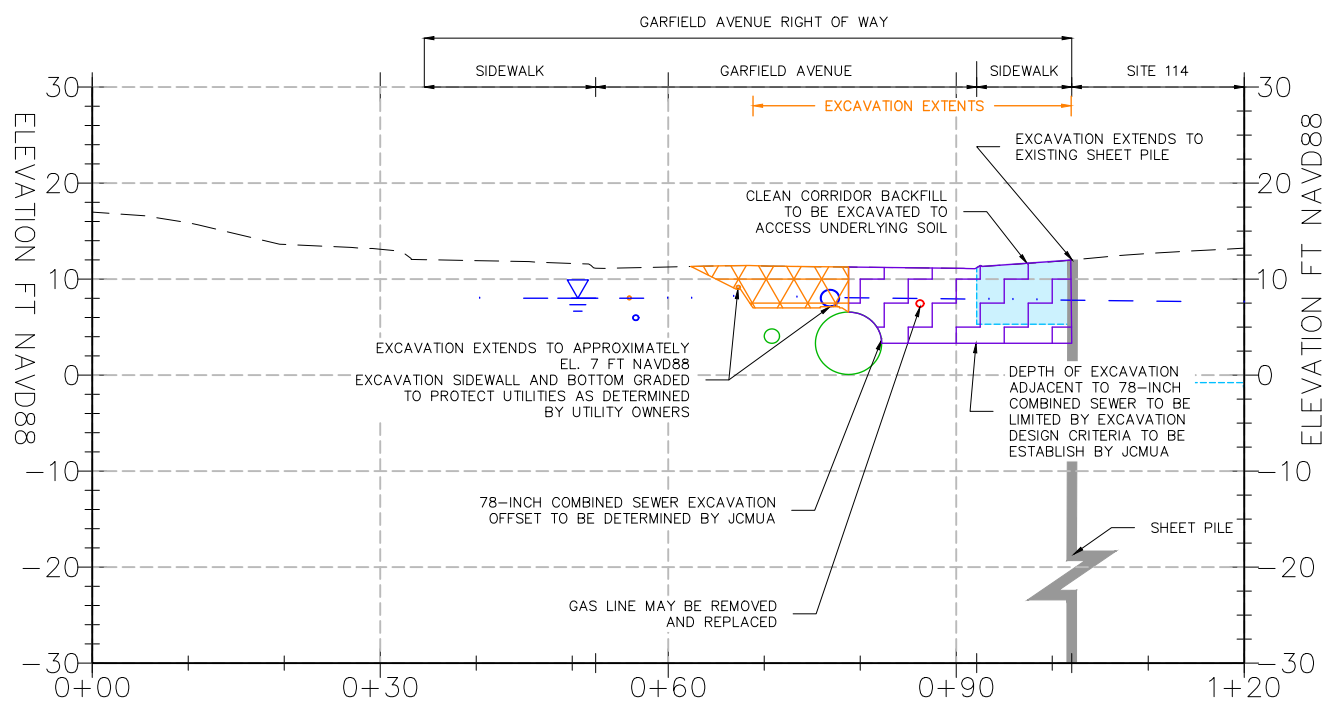


A TYPICAL CROSS SECTION
4-1 SHALLOW EXCAVATION



B TYPICAL CROSS SECTION
4-1 SOURCE REMOVAL EXCAVATION

LEGEND

- REPRESENTATIVE GROUNDWATER CONDITIONS
- PRE-CONSTRUCTION SURFACE
- PREVIOUS EXCAVATION GRADE
- WATER LINE (6" AND 20")
- COMMUNICATION LINE (SIZE UNKNOWN)
- GAS LINE (8")

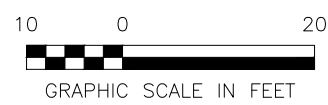
- COMBINED SEWER
18" VITRIFIED CLAY PIPE
78" CARBON STEEL PIPE
- CONCEPTUAL LIMIT OF EXCAVATION TO REMOVE SHALLOW SOIL IMPACTS
- CONCEPTUAL LIMIT OF EXCAVATION TO REMOVE SOURCE MATERIAL
- PREVIOUS CLEAN CORRIDOR EXCAVATION

NOTES:

1. ALL UTILITY LOCATIONS AND ELEVATIONS ARE APPROXIMATE.
2. PREVIOUS EXCAVATION GRADES SHOWN ARE CONCEPTUAL.
3. DEEP EXCAVATION WILL BE DESIGNED TO REMOVE SOURCE MATERIAL (VISUAL CHROMATE CHEMICAL PRODUCTION WASTE AND HEXAVALENT CHROMIUM CONCENTRATIONS EXCEEDING 1000 MILLIGRAMS PER KILOGRAM).
4. CONCEPTUAL EXCAVATION DESIGN ASSUMES THAT 8" GAS LINE CAN BE REMOVED AND REPLACED DURING ROAD WIDENING. NO OTHER UTILITIES WILL BE REMOVED AND REPLACED.

EL. ELEVATION
FT FEET
JCMUA JERSEY CITY MUNICIPAL UTILITIES AUTHORITY
NAVD88 NORTH AMERICAN VERTICAL DATUM OF 1988

*FINAL PROPOSED EXCAVATION SURFACE TO BE PREPARED PRIOR TO ROAD WIDENING AS PART OF FUTURE CANAL CROSSING REDEVELOPMENT REMEDIAL ACTION.



PPG GARFIELD AVENUE GROUP OF SITES JERSEY CITY, NEW JERSEY		REMEDIAL ACTION WORK PLAN (SOIL) GARFIELD AVENUE ROADWAY LIMITED REMEDIAL EXCAVATION CONCEPTUAL CROSS SECTIONS
DATE: 06/22/2018	DRWN: TDL/ALC	FIGURE 4-2