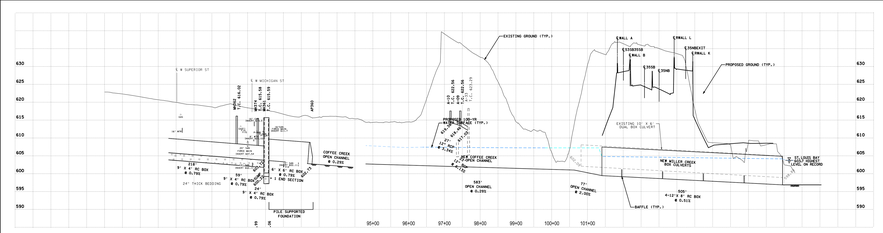
TWIN PORTS INTERCHANGE DRAINAGE OVERVIEW MAP (DOM) AND CONTAMINATED MATERIALS SEGMENT 1

4/1/2020



COFFEE CREEK PROFILE

IMPERVIOUS SURFACE SUMMARY	
EXISTING IMPERVIOUS SURFACE	= 27.26 AC
PROPOSED IMPERVIOUS SURFACE	= 30.88 AC
NEW IMPERVIOUS SURFACE	= 3.62 AC

SPECIFIC NOTES:

1. CONNECT TO EXISTING STORM SEWER.
2. CONNECT INTO EXISTING DRAINAGE STRUCTURE.
3. ADJUST FRAME AND RING CASTING.
4. LINING SEWER PIPE 72"
5. STRUCTURE AND PIPE PLACEMENTS ARE ASSUMED USING CITY GIS DATA, OLD PLANS, AERIAL PHOTOS, STREET VIEW, ETC.
7. STRUCTURE LOCATION AND TOC SURVEYED ONLY.

EXISTING STORM COLOR DESIGNATION

- INPLACE STORM SEWER (ASSUMED) 6
- INPLACE CATCH BASIN / MANHOLE / APRON (ASSUMED) 6
- INPLACE STORM SEWER (SURVEYED)
- INPLACE CATCH BASIN / MANHOLE / APRON (SURVEYED) 7
- INPLACE BRIDGE CATCH BASIN (SURVEYED)

LEGEND

- PROPOSED TREATMENT POND
- PROPOSED CASED STORM SEWER
- PROPOSE CATCH BASIN / MANHOLE / APRON
- PROPOSED STORM SEWER
- PROPOSED DITCH
- CONSTRUCTION LIMITS
- LIMITS OF DISTURBANCE
- PROPOSED GRIT CHAMBER
- INPLACE STORM SEWER
- INPLACE CATCH BASIN / MANHOLE / APRON
- REMOVE OR ABANDON INPLACE STORM SEWER
- SURFACE FLOW DIRECTION
- MAJOR DISCHARGE POINT
- EXISTING R/W
- PROPOSED R/W
- TEMPORARY EASEMENT
- DELINEATED WETLANDS

100 SCALE IN FEET

Response Action Plan Polygon Notes:

Unregulated Fill
Material that is assumed to be unregulated based on extrapolated results. Unless other conditions are encountered during excavation this material can be used on or off site.

Response Action Areas depicted on Figure 1-1

ACWM / Landfill Disposal Area
All disturbance or removal of the ACWM will be managed as regulated ACWM. The asbestos abatement contractor will perform abatement and disposal of ACWM to ensure compliance with all applicable federal and state regulations.

Discrete Area Soil
Discrete Area Soil contains higher level contamination (exceeding one or more Tier 2 Industrial SRVs).

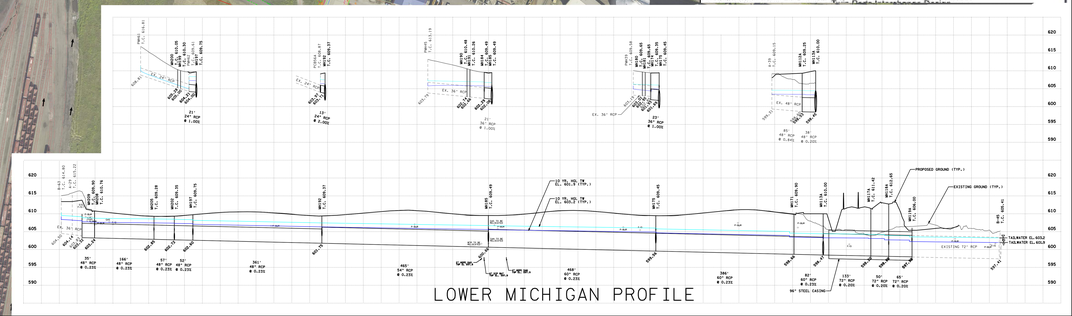
Petroleum Alert
Petroleum Alerts are areas where previous investigations indicated petroleum impacts via odors or PID over 10 ppm. In regulated soil areas, petroleum impacts >10 ppm or < 200 ppm on the PID may be reused in the Load Transfer Platform (LTP). Petroleum alert areas are commonly associatedwith local petroleum point source releases.
See 60% plan set for the LTP area.

Regulated Soil
Regulated Soil contains low level contamination (exceeding one or more MPCA Soil Leaching Value (SLV) and/or Tier 1 Residential Soil Reference Value (SRV) but less than all Tier 2 Industrial SRVs). Regulated Soil is found throughout the Project limits and is generally associated with non-point source releases from decades of industrial land uses.

Mercury Hotspot
Mercury in ore known location in the project is above the landfill acceptance criteria (total mercury in soil of 466 mg/kg). The mercury hotspot was delineated with borings and sampling indicated that the hotspot is limited laterally and vertically.

Hazardous Lead Impacted Soil
Hazardous Lead Impacted Soil contains lead concentrations exceeding the Toxic Characteristic Leaching Procedure (TCLP) limit for characteristically hazardous for lead. The low number and scattered occurrence of these samples indicates that soil with hazardous lead concentrations are not associated with large releases but are isolated occurrences within Project limits.

Undesignated Soil
Several Project areas could not be investigated because of access issues.



LOWER MICHIGAN PROFILE

DEPARTMENT OF TRANSPORTATION

TKDA