TWIN PORTS INTERCHANGE
DRAINAGE OVERVIEW MAP (DOM) AND CONTAMINATED MATERIALS
SEGMENT 3
TH 535 / GARFIELD AVE

4/1/2020

IMPERVIOUS SURFACE SUMMARY		
EXISTING IMPERVIOUS SURFACE	=	9.14 AC
PROPOSED IMPERVIOUS SURFACE	=	9.74 AC
NEW IMPERVIOUS SURFACE	=	0.60 AC

SPECIFIC NOTES:

1. CONNECT TO EXISTING STORM SEWER.
2. CONNECT INTO EXISTING DRAINAGE STRUCTURE.
3. ADJUST FRAME AND RING CASTING
4. CLEAN AND VIDEO TAPE PIPE SEWER.
5. PLUG, FILL AND ABANDON PIPE SEWER.
6. ABANDON MANHOLE.
7. STRUCTURE AND PIPE PLACEMENTS ARE ASSUMED USING CITY GIS DATA, OLD PLANS, AERIAL PHOTOS, STREET VIEW, ETC.
8. STRUCTURE LOCATION AND TOC SURVEYED ONLY.

SCALE IN FEET

LEGEND

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

EXISTING STORM COLOR DESIGNATION

- INPLACE STORM SEWER (ASSUMED) 7
- INPLACE CATCH BASIN / MANHOLE / APRON (ASSUMED) 7
- INPLACE STORM SEWER (SURVEYED)
- INPLACE CATCH BASIN / MANHOLE / APRON (SURVEYED) 8
- INPLACE BRIDGE CATCH BASIN (SURVEYED)

RANI engineering

DEPARTMENT OF TRANSPORTATION

TKDA

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 one 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.