Legend

Response Action Areas extend to Work Package 1 Construction Limits

This map must be used in conjunction with Figure 1-2

Response Action Plan Polygon Notes:

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.

Response Action Areas depicted on Figure 1-2

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.

Boring Location (SEH)

Test Pits Locations (WSB)

ACWM* Identified

ACWM* not Identified

*Asbestos Waste Containing Material

Inplace Below Ground Structure to Remain

Twin Ports Interchange Design

Work Package 1 (90% Design)

Work Package 2 (pre-60% Design)

Limits of Disturbance

Construction Limits

Pond

Retaining Wall

Bridge

General Design Features

Drain Structure

Drain Structure Removal

N W E S

0 150 300 Feet

Additional Notes:

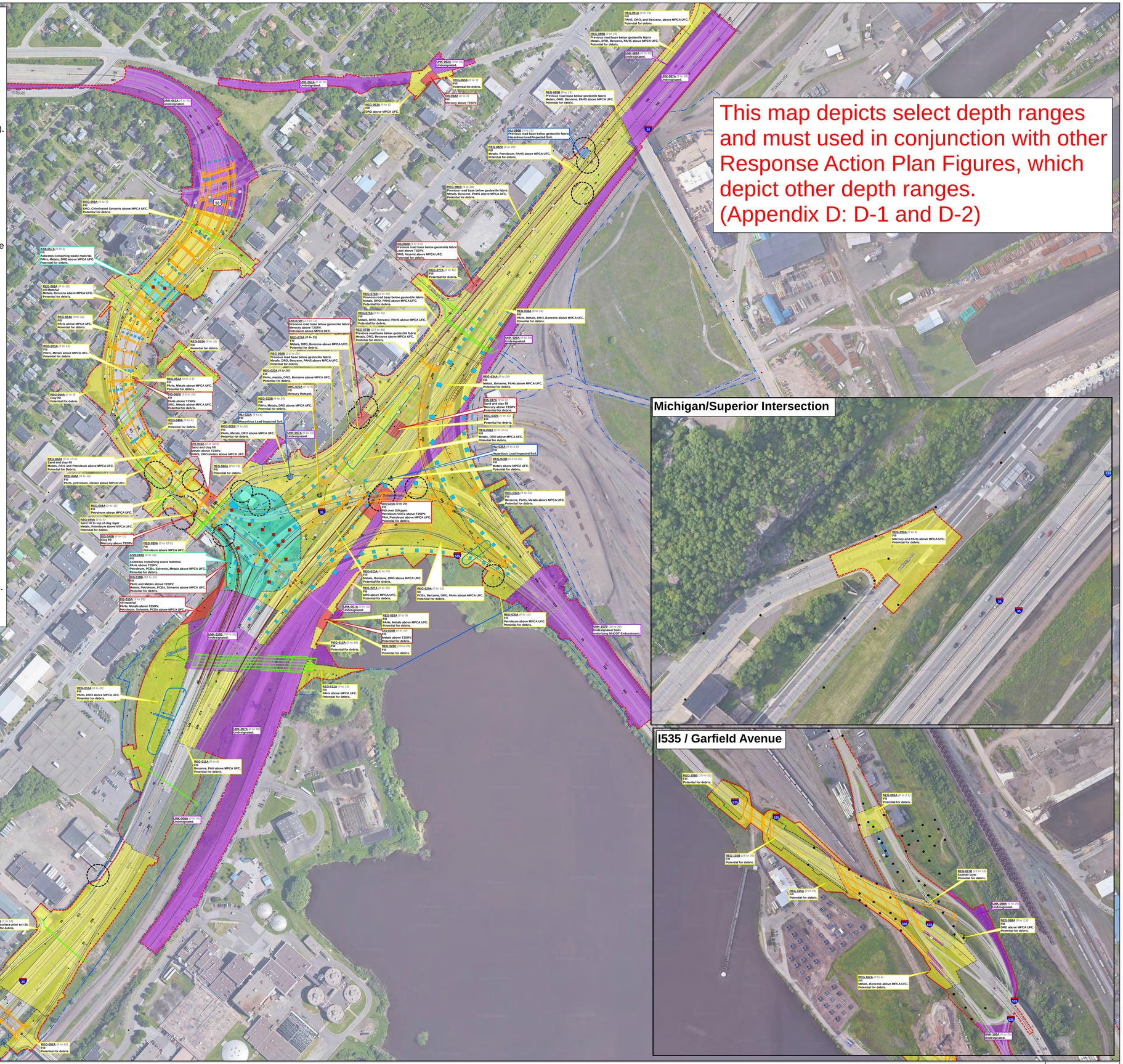
bgs - Below Ground Surface in feet

T2SRV - Tier 2 Soil Reference Value, MPCA Risk-based site evaluation guidance for industrial levels.

MPCA = Minnesota Pollution Control Agency

PID = photoionization detector

ppm = Parts per million / mg/kg = miligrams per kiligram / DRO = Diesel Range Organics



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Map by: Msherrill
Projection: UTM Zone 15N
Source: SEH Digi
MnDOT, ESRI, WSB,
Google Imagery

Contaminated Soil and Asbestos Containing Waste Material Areas

Construction RAP/CCP

Twin Ports Interchange

Minnesota State Projects: 6982-322 (I-35), SP 6980-60 (I-535) and SP 6915-136 (TH 53)

Appendix D
Drafted 03/39/2020

App D
1-1

This map is neither a legally recorded map nor a survey map and is not intended to be used as one. This map is a compilation of records, information, and data gathered from various sources listed on this map and is to be used for reference purposes only. SEH does not warrant that the Geographic Information System (GIS) Data used to prepare this map are error free, and SEH does not represent that the GIS Data can be used for navigational, tracking, or any other purpose requiring exacting measurement of distance or direction or precision in the depiction of geographic features. The user of this map acknowledges that SEH shall not be liable for any damages which arise out of the user's access or use of data provided.