



DEPARTMENT OF THE ARMY
ST. LOUIS DISTRICT, CORPS OF ENGINEERS
9170 LATTY AVENUE
BERKELEY, MISSOURI 63134

REPLY TO
ATTENTION OF:

September 2, 1999

Formerly Utilized Sites Remedial Action Program

Mr. Robert Boland
Mallinckrodt, Inc.
16305 Swingley Ridge Drive
Chesterfield, Missouri 63017

SUBJECT: INACCESSIBLE SOILS AT ST. LOUIS DOWNTOWN SITE

Dear Mr. Boland:

Using the criteria developed for the St. Louis Downtown Site (SLDS) in the 1998 Record of Decision (ROD) for the SLDS, a map (Figure 1) has been developed to show the St. Louis District's position with respect to inaccessible areas.

The approach used to delineate the inaccessible soils is derived directly from the ROD. Inaccessible soils are defined as "soil which is currently inaccessible because of the presence of two buildings, active rail lines, roadways, and the levee." In addition the ROD states, "Inaccessible soils that contain MED/AEC contamination and associated buildings and structures are excluded from the scope of this ROD because they do not present a significant threat in their current configuration and because activities critical to the continued operation of the Mallinckrodt facility prevent excavation beneath the encumbrances (i.e., roads, railroads, buildings 25 and 101, etc.)."

Areas defined as inaccessible in Figure 1 include areas that meet the criteria defined in the ROD irrespective of the existence of radiological contamination. "Buildings" as used herein are defined as the footprint of the structure (to include five feet from the exterior wall) and supporting soil as shown in Figure 2. Roadways and rail lines are defined to include the associated right of way and supporting soil as shown in Figures 3 and 4 respectively. Structures will be defined on a case by case basis.

Your expeditious review of the map is requested, particularly with respect to the definition of "buildings", "structures", "active rail lines" and "roadways". Your concurrence with respect to the areas defined as inaccessible is also requested. Please define areas you view as inaccessible due to "structures". Further, it is requested that you provide the basis for changing the classification of any area where your interpretation is different than that assumed in the map. We would be happy to set up a meeting to discuss your questions or comments. Failure to provide feedback to USACE by October 10, 1999 will be interpreted as concurrence.

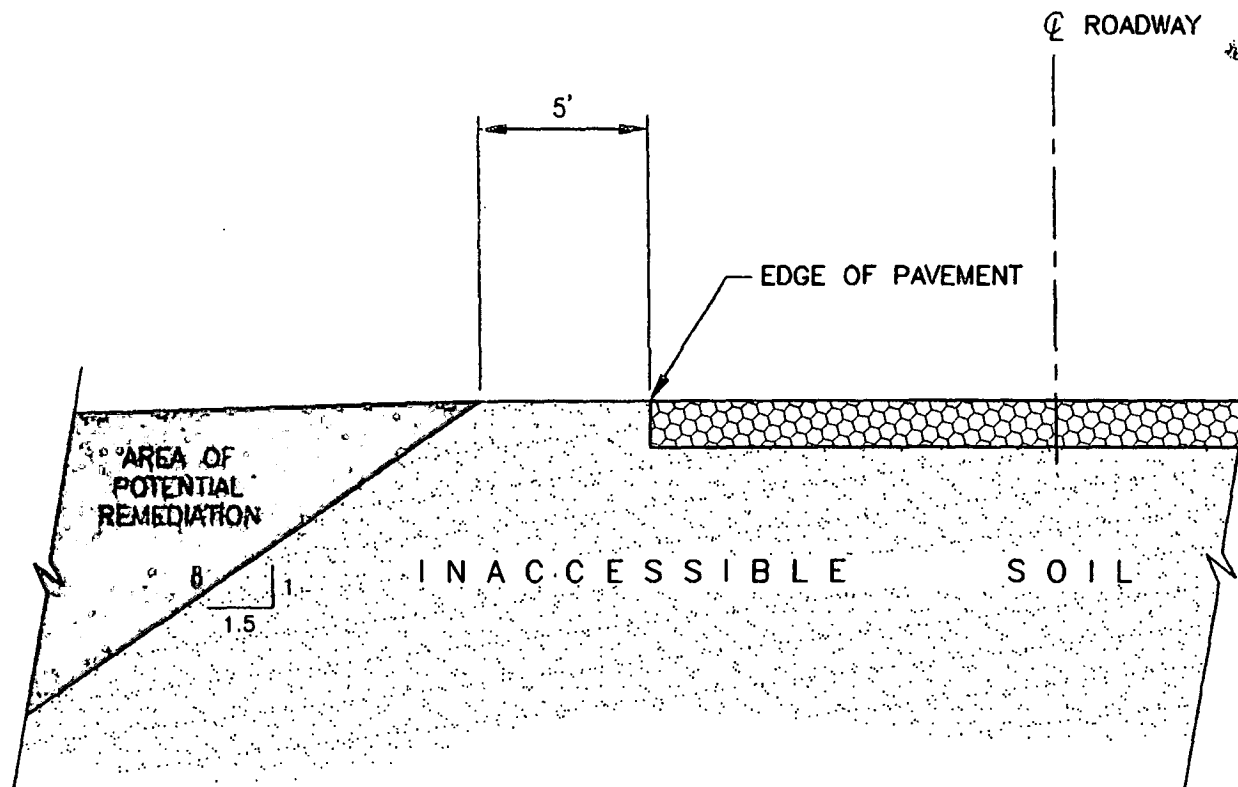
If you have any questions regarding the inaccessible soils or the process we are using for characterizing the investigation areas, please contact Lou Dell'Orco at (314) 524-6857.

Sincerely,

Sharon R. Cotner
FUSRAP Program Manager

Enclosures


DRAWN BY		CHECKED BY		APPROVED BY		DRAWING NUMBER	775575-A47
M. Warnick	8/16/99	K. Matsumoto	8/16/99	K. Beach	---		



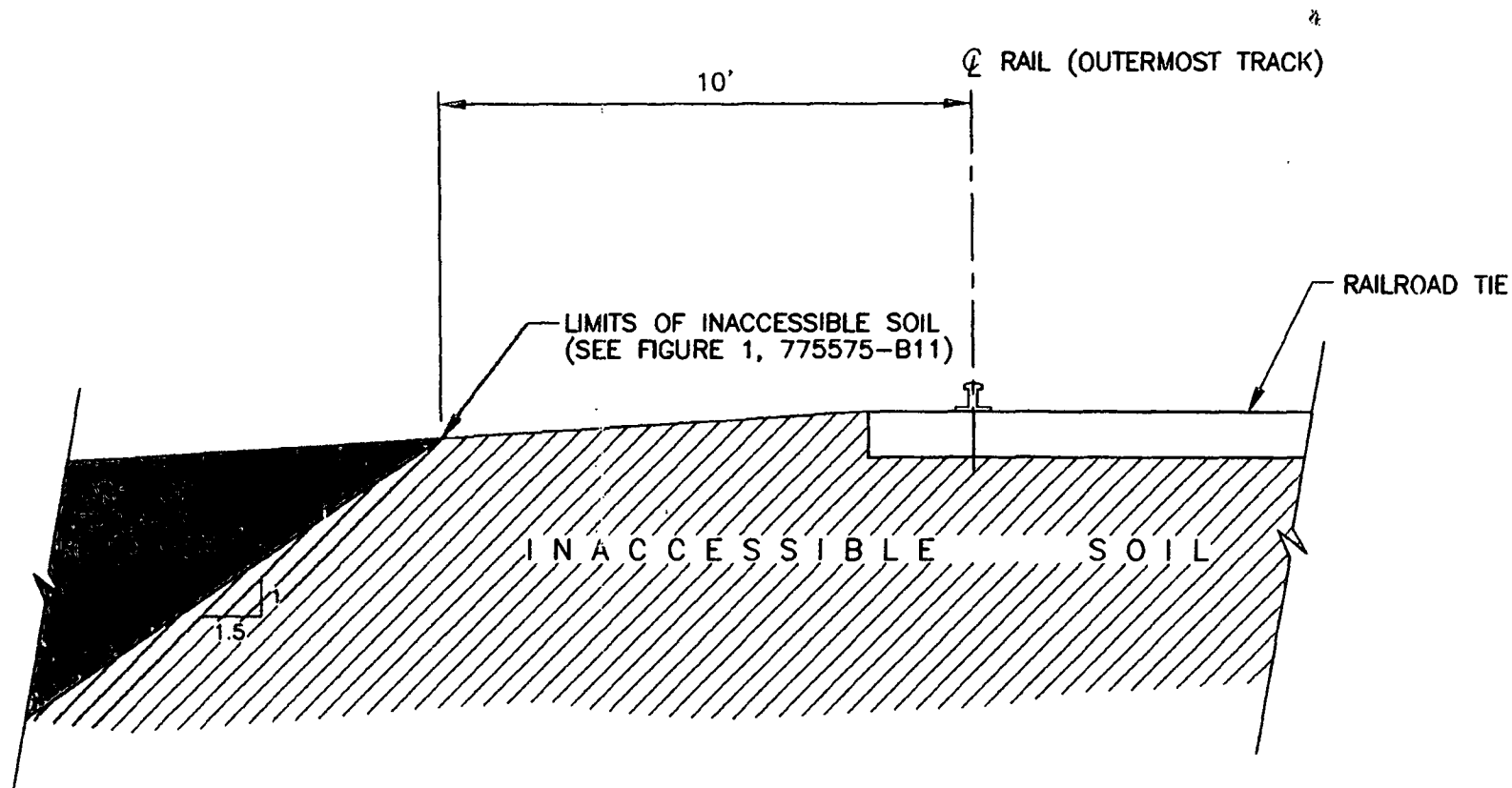
NOTES:

1. SLOPE SHOWN IS APPROXIMATE. ACTUAL SLOPE WILL DEPEND UPON SOIL PROPERTIES OF AREA IN QUESTION AND ACTUAL DEPTH OF CUT. SHORING WITH SHEETPIILING MAY ALSO BE NECESSARY.
2. LIMITS OF INACCESSIBLE SOIL ARE SYMMETRICAL ABOUT CENTER LINE OF ROADWAY.

"DRAWING NOT TO SCALE"


 ITT CORPORATION	FUSRAP U.S. ARMY CORPS OF ENGINEERS KANSAS CITY DISTRICT (CENWK) ST. LOUIS DISTRICT (CEMVS)
	<p align="center"> FIGURE 3 OFFSET DETAIL FOR EXCAVATION AT ROADWAYS ST. LOUIS DOWNTOWN SITE ST. LOUIS, MISSOURI </p>

DRAWN BY		CHECKED BY		APPROVED BY		DRAWING NUMBER	775575-A45
A. Smith	8/16/99	K. Matsumoto	8/16/99	K. Beach	---		

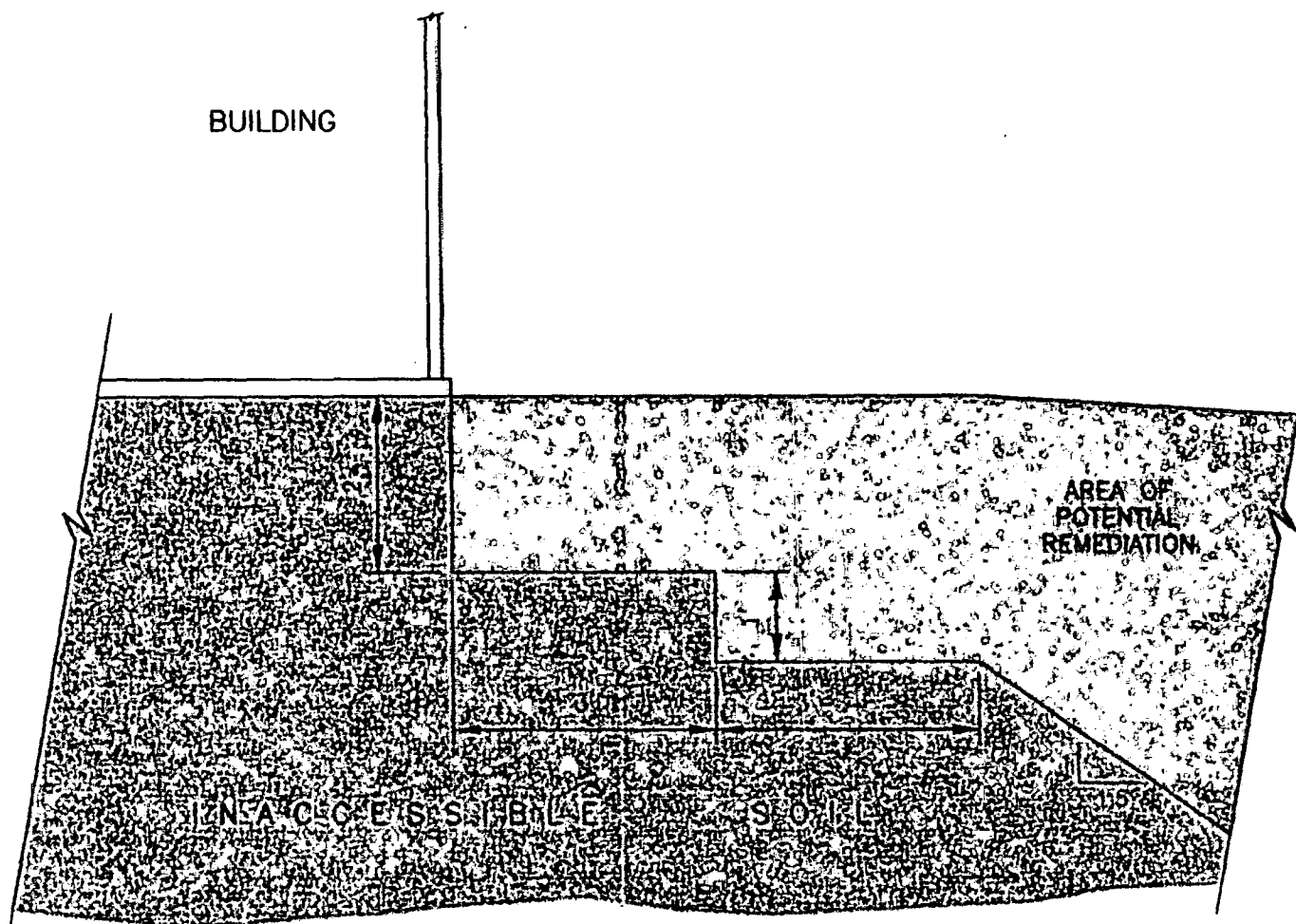


NOTES:

1. SLOPE SHOWN IS APPROXIMATE. ACTUAL SLOPE WILL DEPEND UPON SOIL PROPERTIES OF AREA IN QUESTION AND ACTUAL DEPTH OF CUT. SHORING WITH SHEETPIILING MAY ALSO BE NECESSARY.
2. LIMITS OF INACCESSIBLE SOIL ARE TYPICAL ALONG OUTERMOST TRACK.


 ITT CORPORATION	FUSRAP U.S. ARMY CORPS OF ENGINEERS KANSAS CITY DISTRICT (CENWK) ST. LOUIS DISTRICT (CEMVS)
	<p align="center"> FIGURE 4 OFFSET DETAIL FOR EXCAVATION AT RAILROAD TRACKS ST. LOUIS DOWNTOWN SITE ST. LOUIS, MISSOURI </p>

DRAWN BY		CHECKED BY		APPROVED BY		DRAWING NUMBER
M. Warnick	8/16/99	K. Motsumoto	8/16/99	D. Deloye	---	



NOTES:

1. SLOPE SHOWN IS APPROXIMATE. ACTUAL SLOPE WILL DEPEND UPON SOIL PROPERTIES OF AREA IN QUESTION AND ACTUAL DEPTH OF CUT. SHORING WITH SHEETPIILING MAY ALSO BE NECESSARY.
2. LIMITS OF INACCESSIBLE SOIL ARE TYPICAL FROM EDGE OF BUILDINGS.

 ITT CORPORATION	<p>FUSRAP U.S. ARMY CORPS OF ENGINEERS KANSAS CITY DISTRICT (CENWK) ST. LOUIS DISTRICT (CEMVS)</p>
	<p>FIGURE 2 OFFSET DETAIL FOR EXCAVATION AT BUILDINGS ST. LOUIS DOWNTOWN SITE ST. LOUIS, MISSOURI</p>

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