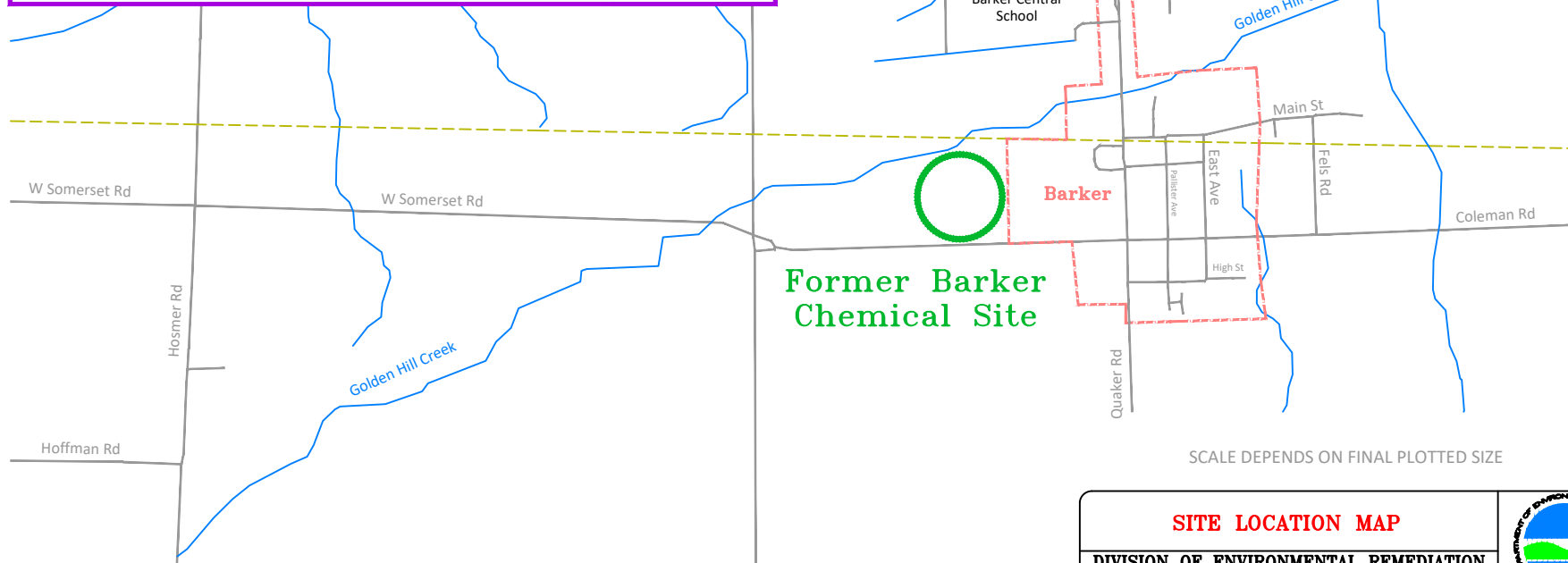
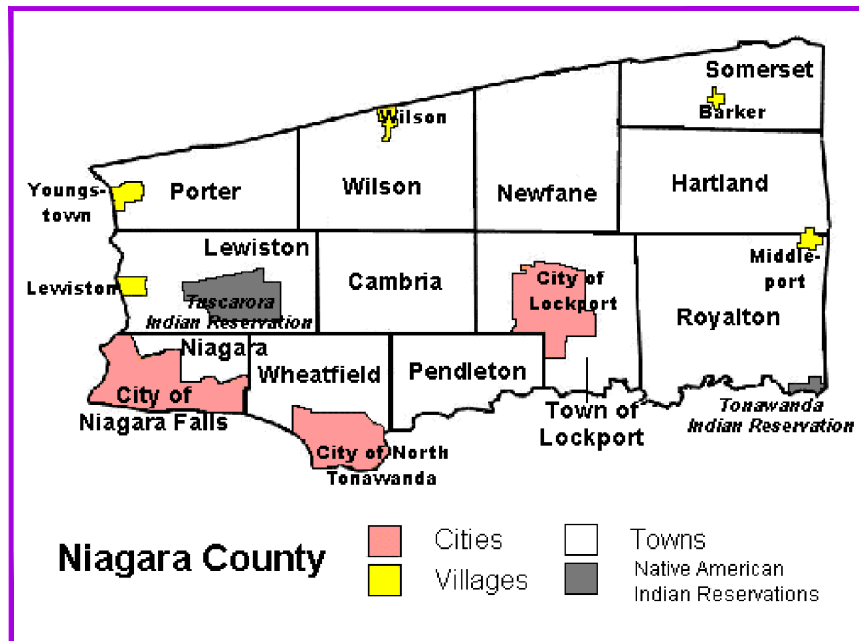
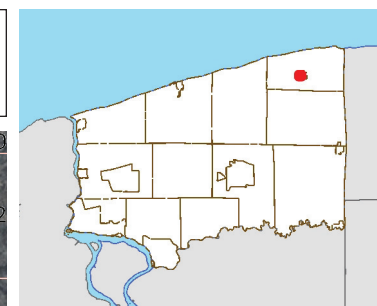


FIGURES



SITE LOCATION MAP		
DIVISION OF ENVIRONMENTAL REMEDIATION		
DATE: 08/14/03	DRAWING: Site Location Map.dwg	
SITE NAME: BARKER CHEMICAL SITE		

FIGURE 1-1



Legend

 Parcels

**Figure 1-2
Site Boundary Map**

0 376.08 752.2Feet

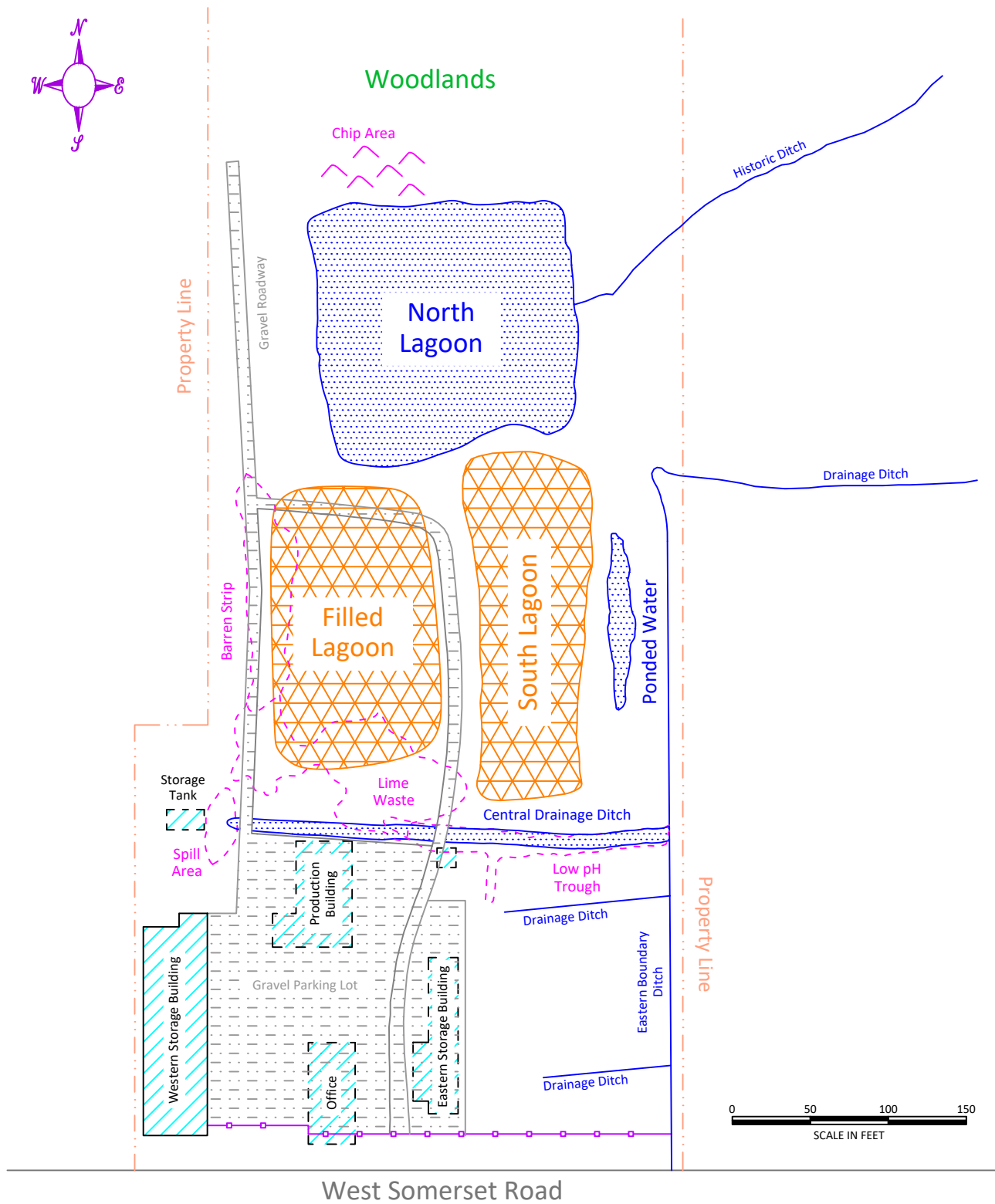
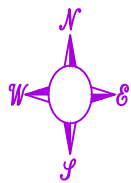
WGS_1984_Web_Mercator_Auxiliary_Sphere
THIS MAP IS NOT TO BE USED FOR NAVIGATION

**NIAGARA COUNTY
DEPARTMENT OF REAL PROPERTY SERVICES**

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

1: 4,513





West Somerset Road

BARKER CHEMICAL SITE MAP

DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 06/06/03

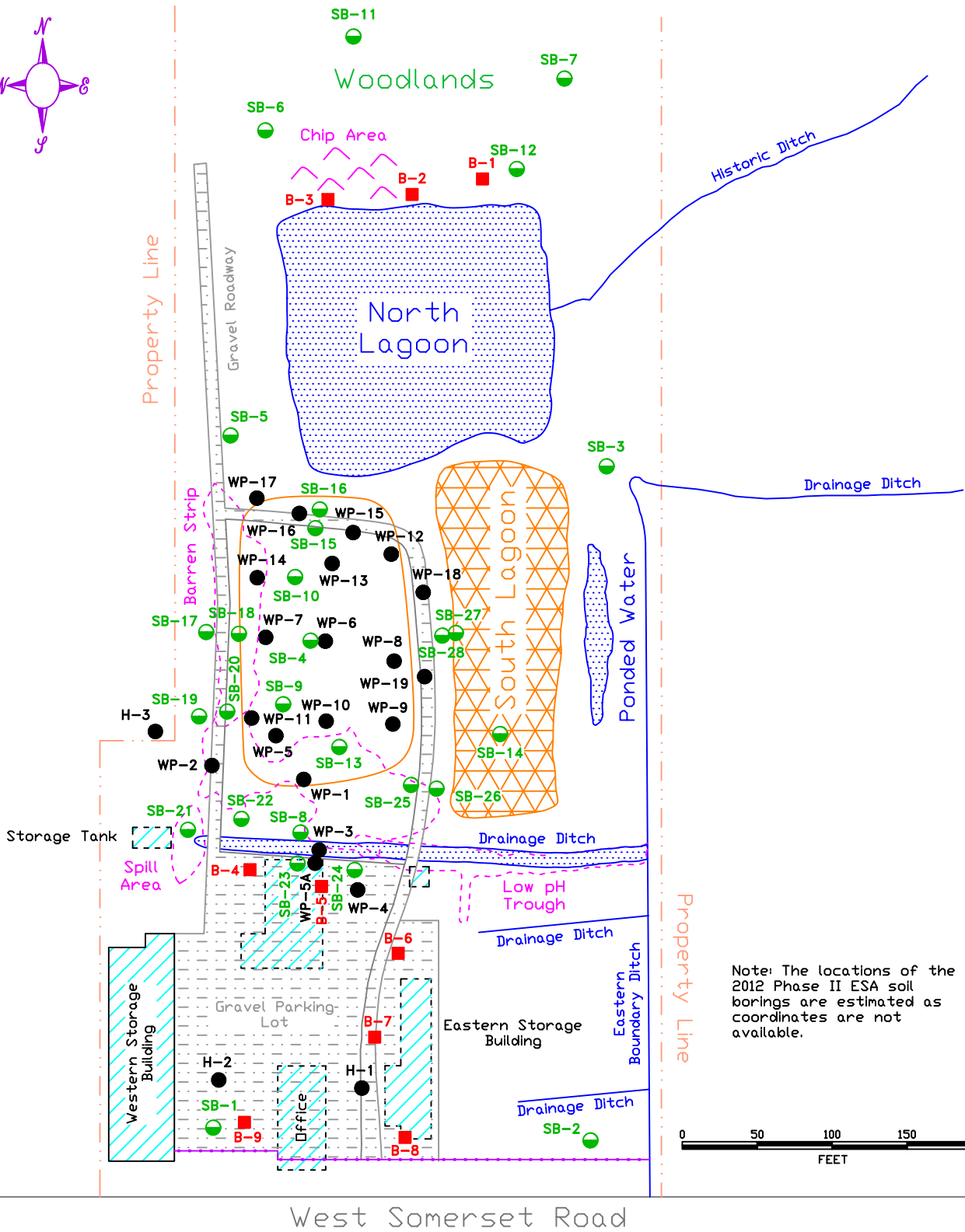
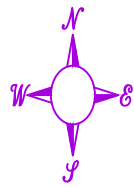
DRAWING: Barker Site Map.dwg

SITE:

BARKER CHEMICAL SITE

FIGURE 2-1





Note: The locations of the 2012 Phase II ESA soil borings are estimated as coordinates are not available.

LEGEND:

- EPA SOIL BORING LOCATION
- DEC SOIL BORING LOCATION
- LABELLA SOIL BORING LOCATION

SOIL BORING LOCATION MAP

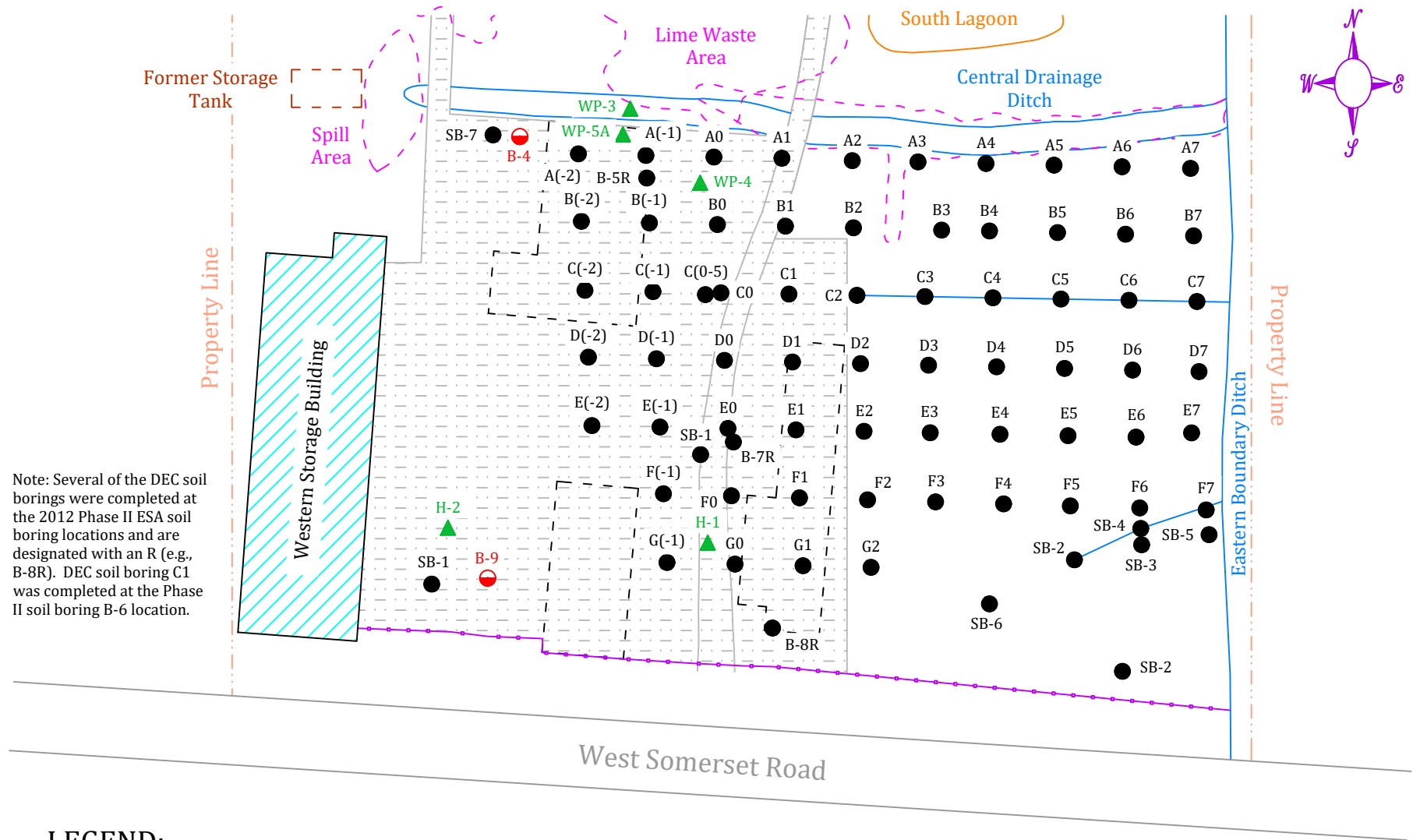
DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 07/09/22 DRAWING: Section 2 Figures.dwg

SITE: BARKER CHEMICAL SITE

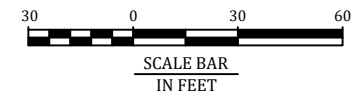
FIGURE 2-2





LEGEND:

- ▲ EPA Soil Boring
- DEC Soil Boring Location
- ⊖ LaBella Soil Boring Location



SOIL BORING LOCATION MAP

DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 07/11/22

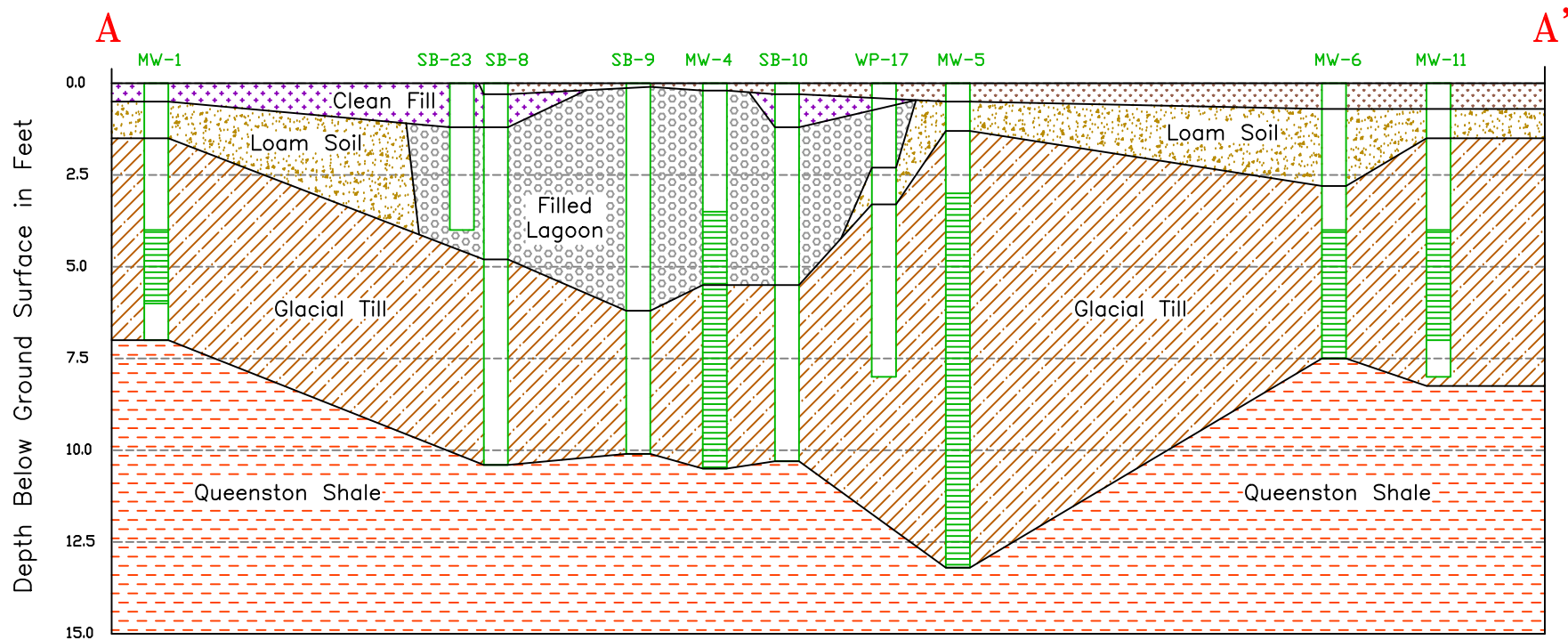
DRAWING: Southern Part of Site

SITE NAME:

BARKER CHEMICAL SITE

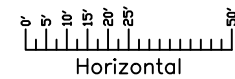


FIGURE 2-3



LEGEND:

- | | |
|---------------------|-------------------------------|
| - Topsoil | - Clean Fill |
| - Glacial Till | - Waste, Sludge, Stained Soil |
| - Loam Soil | - Queenston Shale |
| - Screened Interval | |



GEOLOGIC CROSS-SECTION A-A'

DIVISION OF ENVIRONMENTAL REMEDIATION

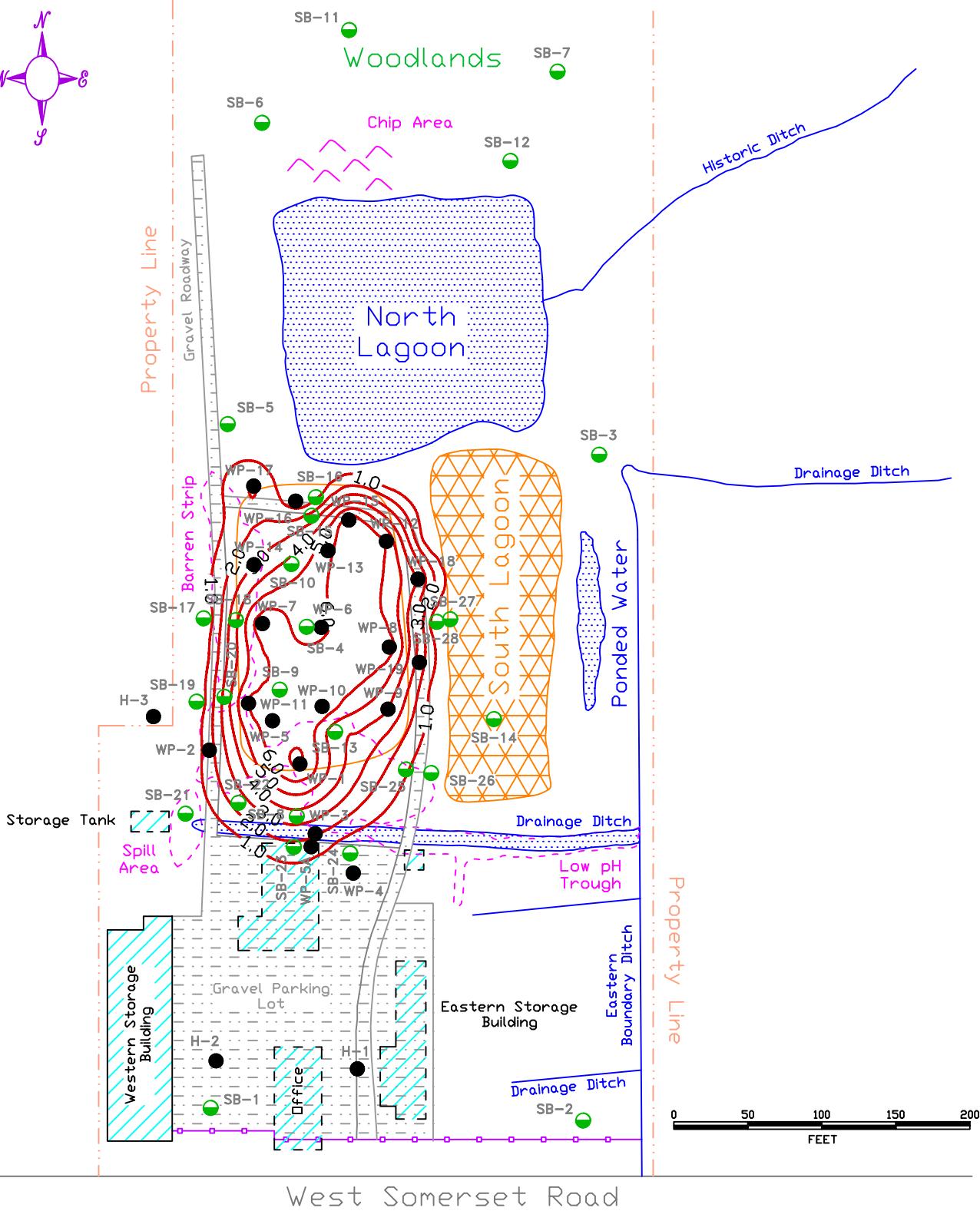
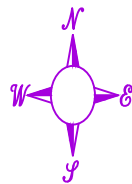
DATE: 08/29/03

DRAWING: Cross Section.dwg

SITE NAME: BARKER CHEMICAL SITE

FIGURE 2-4





LEGEND:

- EPA SOIL BORING LOCATION
- DEC SOIL BORING LOCATION

WASTE ISOPACH CONTOUR MAP

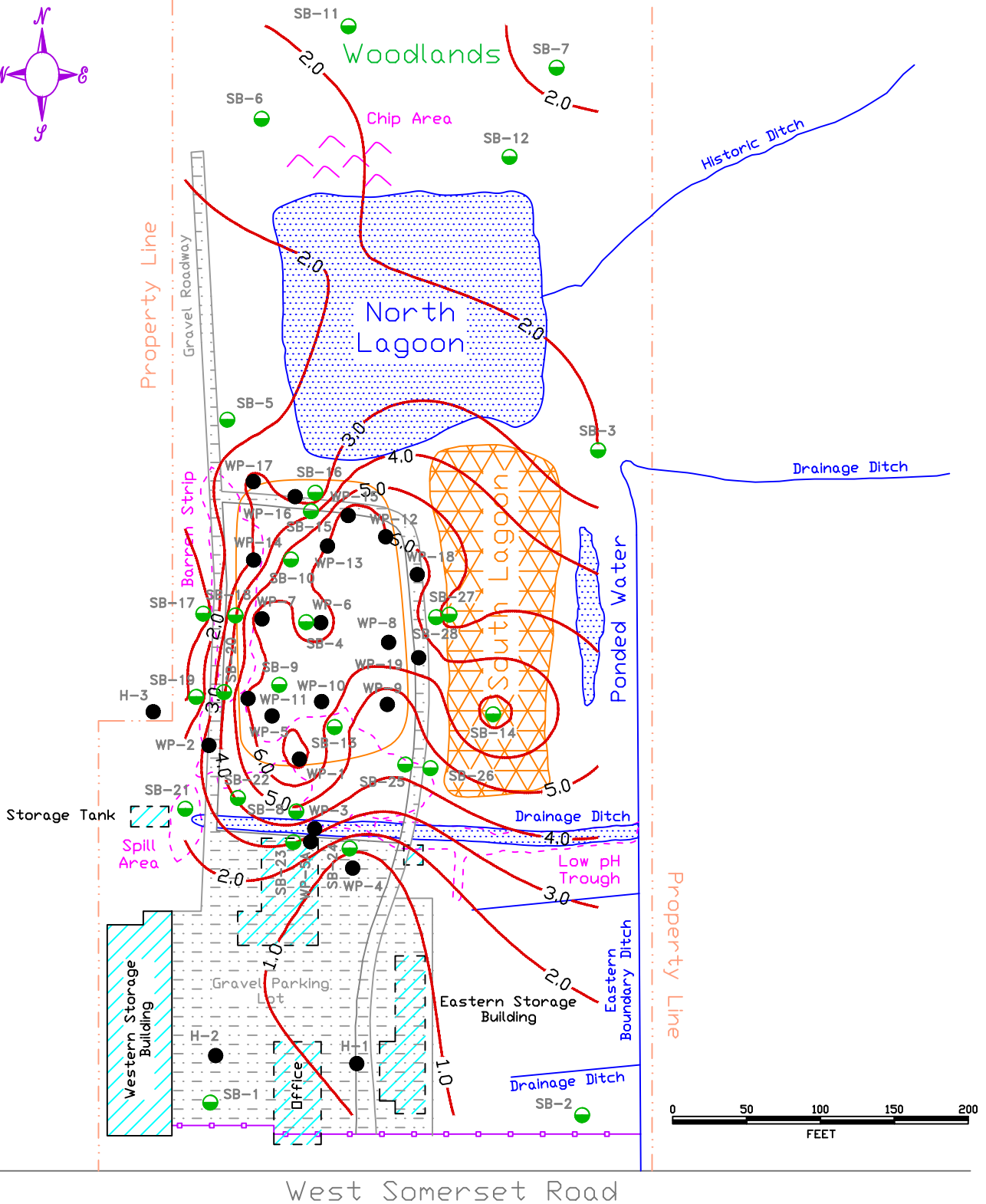
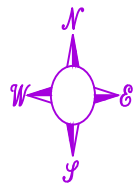
DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 06/06/03 DRAWING: Figs 2-5 thru 2-7.dwg

SITE: **BARKER CHEMICAL SITE**

FIGURE 2-5





LEGEND:

- EPA SOIL BORING LOCATION
- DEC SOIL BORING LOCATION

**DEPTH TO GLACIAL
TILL CONTOUR MAP**

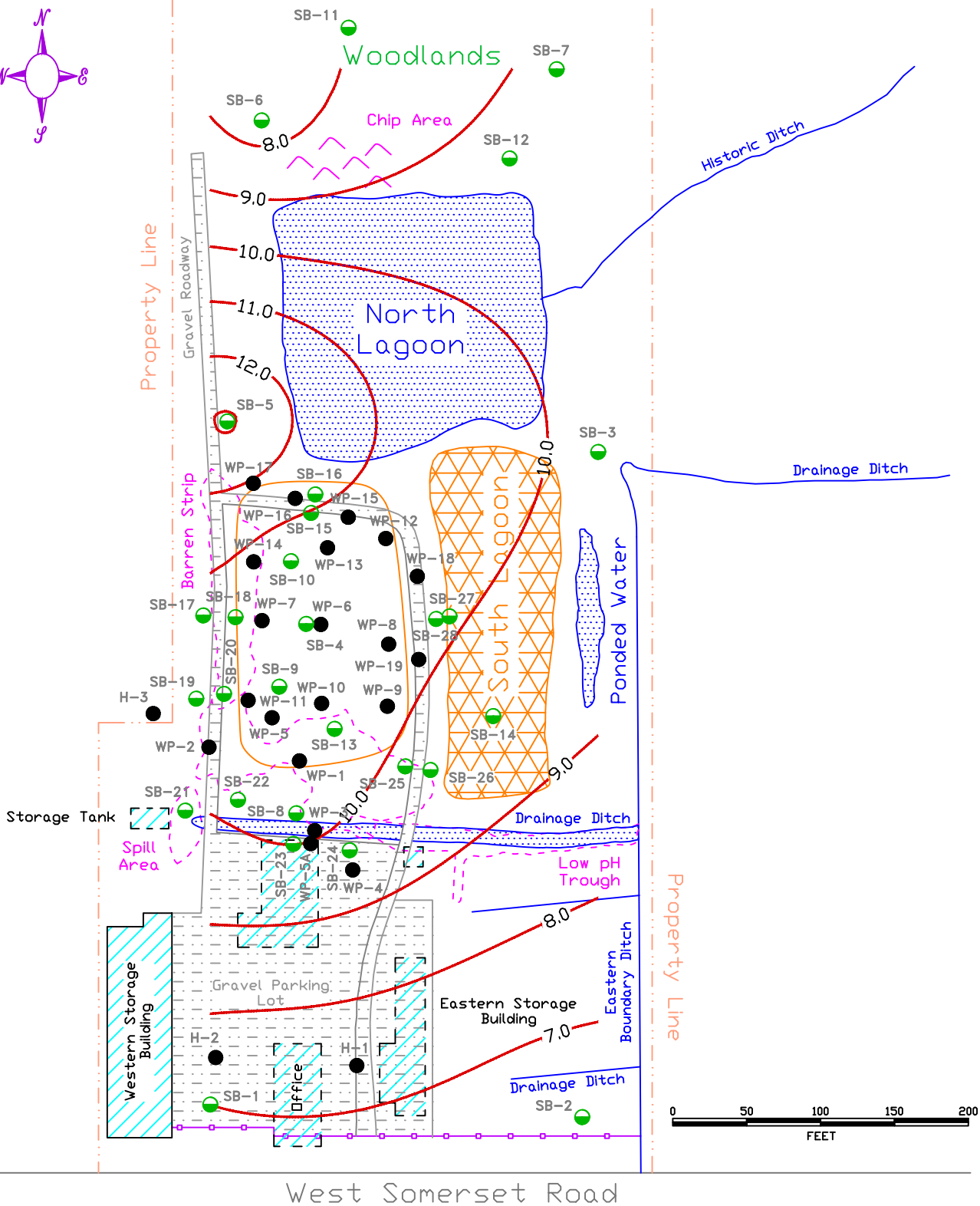
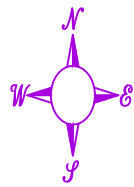
DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 06/06/03 DRAWING: Figs 2-5 thru 2-7.dwg

SITE: **BARKER CHEMICAL SITE**

FIGURE 2-6





LEGEND:

- EPA SOIL BORING LOCATION
- DEC SOIL BORING LOCATION

**DEPTH TO BEDROCK
CONTOUR MAP**

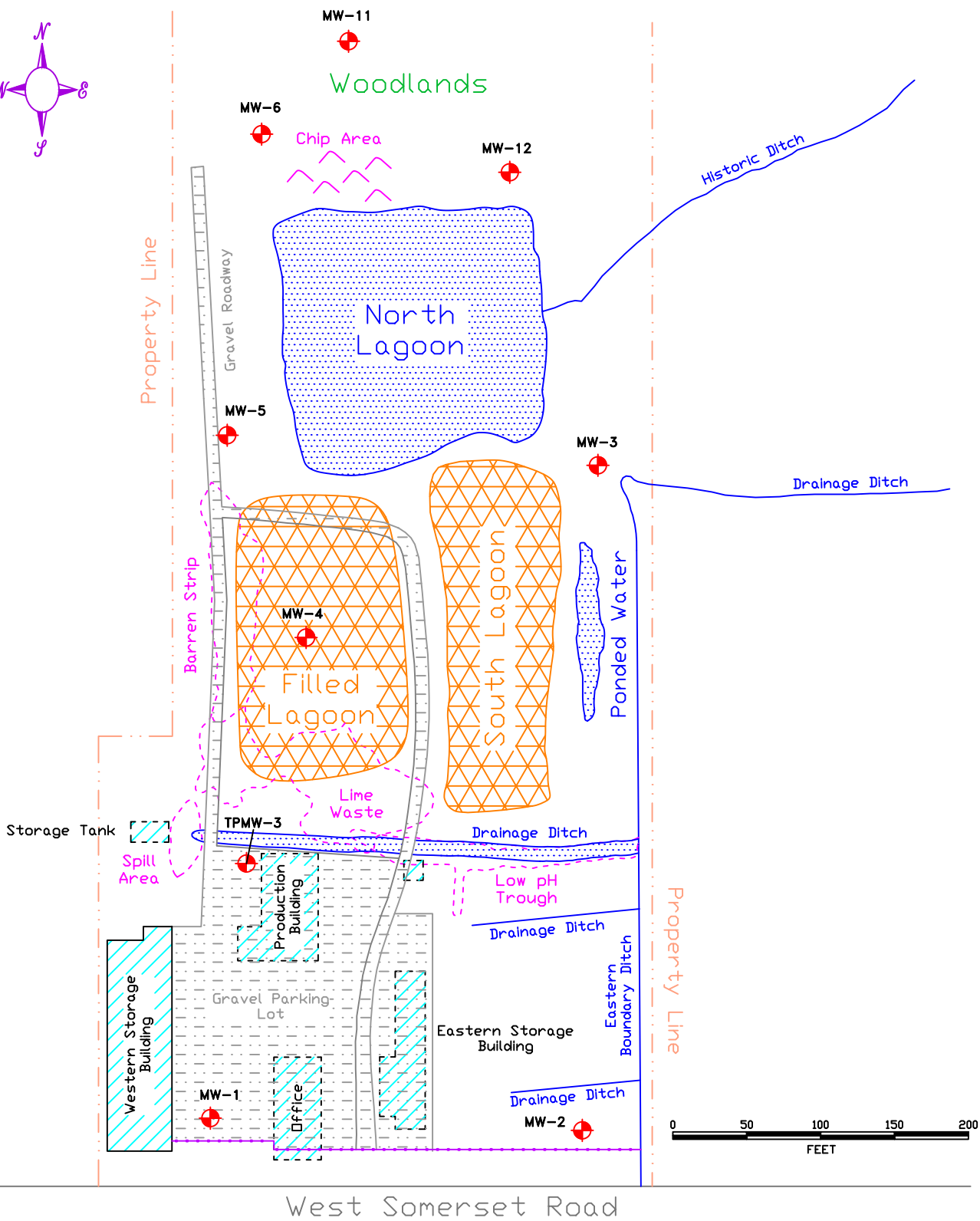
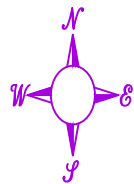
DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 06/06/03 DRAWING: Figs 2-5 thru 2-7.dwg

SITE: **BARKER CHEMICAL SITE**

FIGURE 2-7





LEGEND:

◆ MICRO-WELL LOCATION

MICRO-WELL LOCATION MAP

DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 07/09/22 DRAWING: Section 2 Figures.dwg

SITE: **BARKER CHEMICAL SITE**

FIGURE 2-8



**Overburden Micro-Well Hydrographs
Former Barker Chemical Site, Site No 932119**

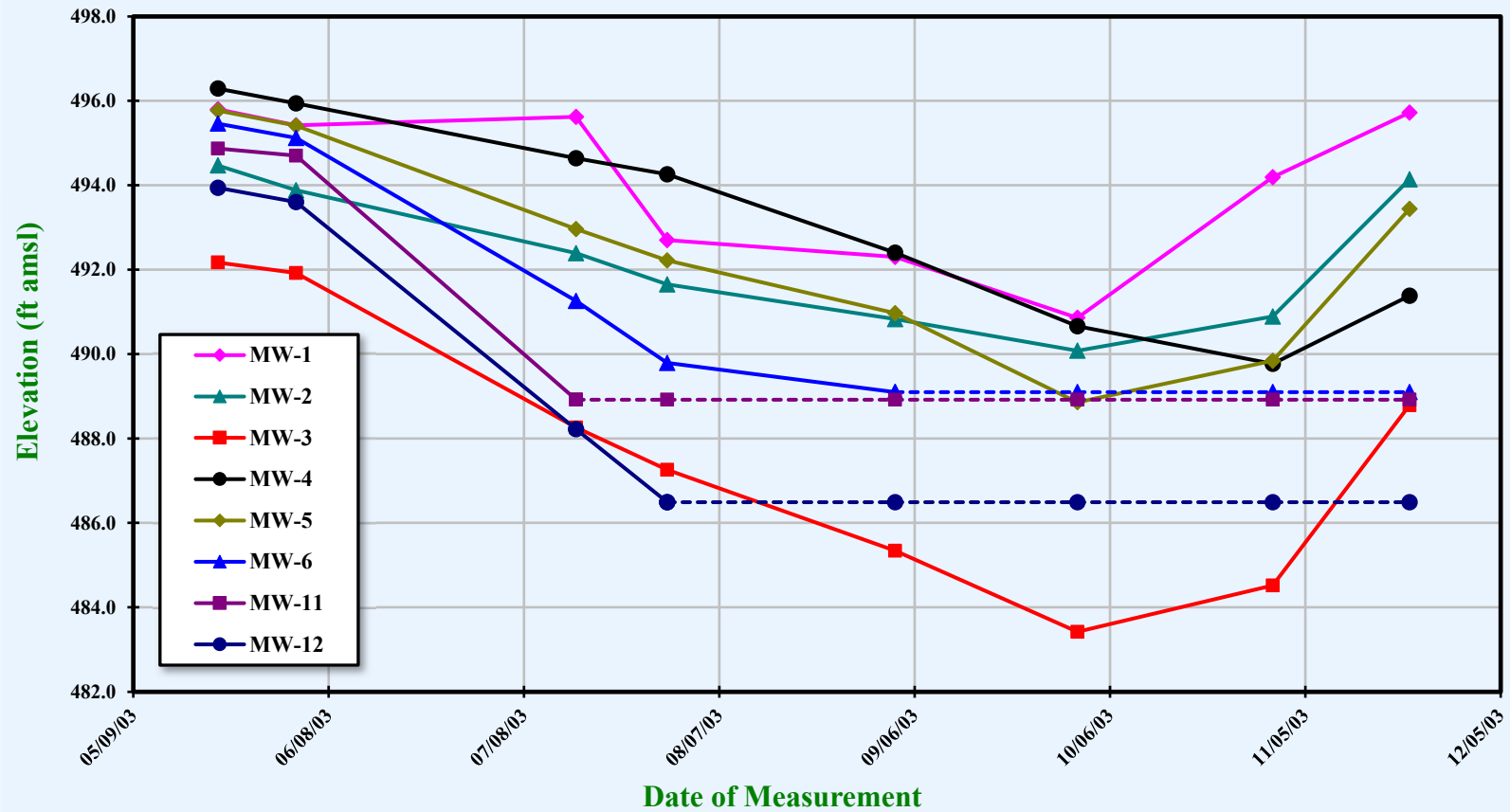


Figure 2-9. 2003 Overburden micro-well hydrographs for the Former Barker Chemical Site.
Lines are dashed where the wells are dry. Well locations are shown on Figure 2-8.

**Overburden Micro-Well Hydrographs
Former Barker Chemical Site, Site No 932119**

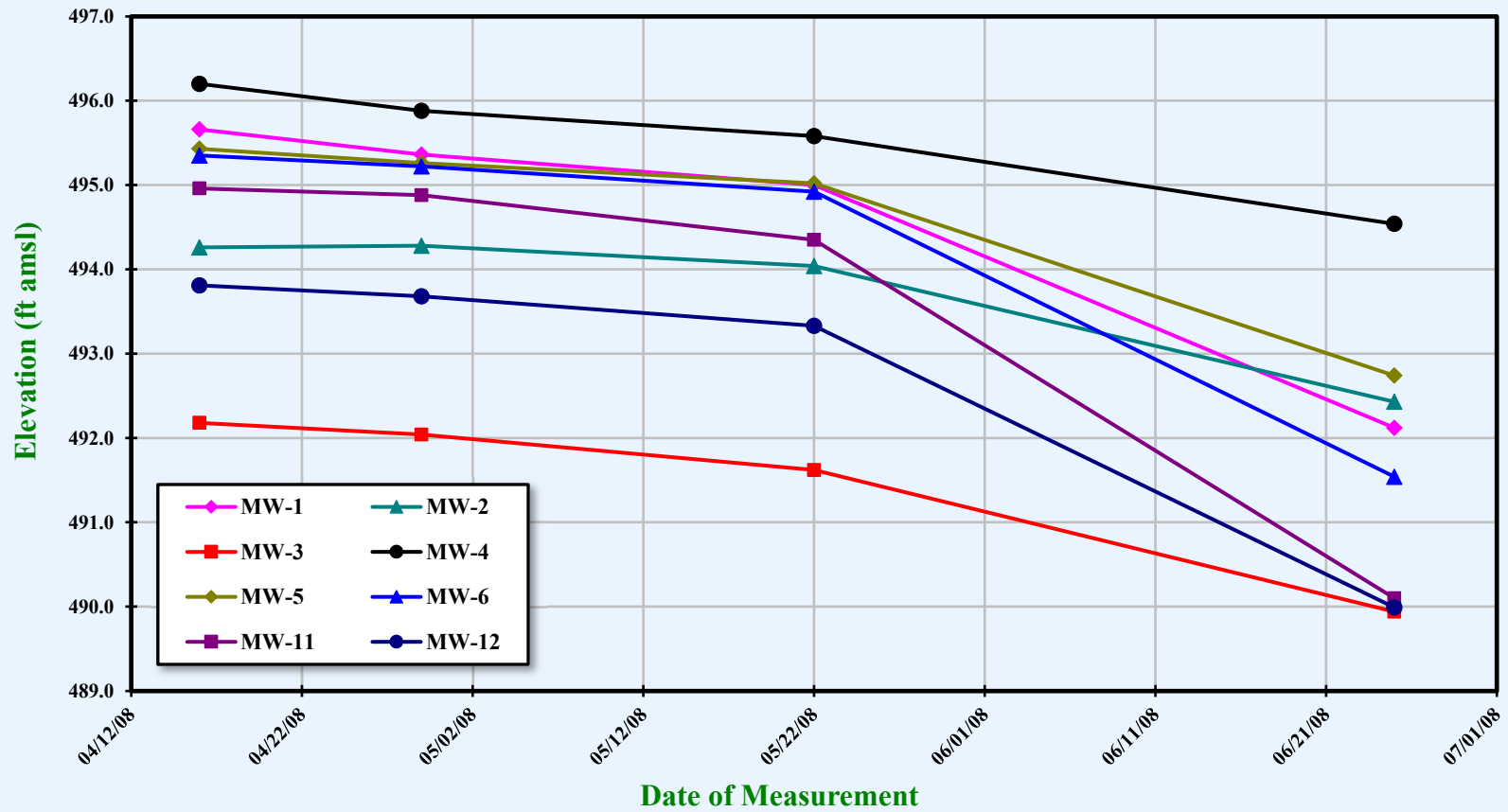


Figure 2-10. 2008 Overburden micro-well hydrographs for the Former Barker Chemical Site.
Well locations are shown on Figure 2-8.

**Overburden Micro-Well Hydrographs
Former Barker Chemical Site, Site No 932119**

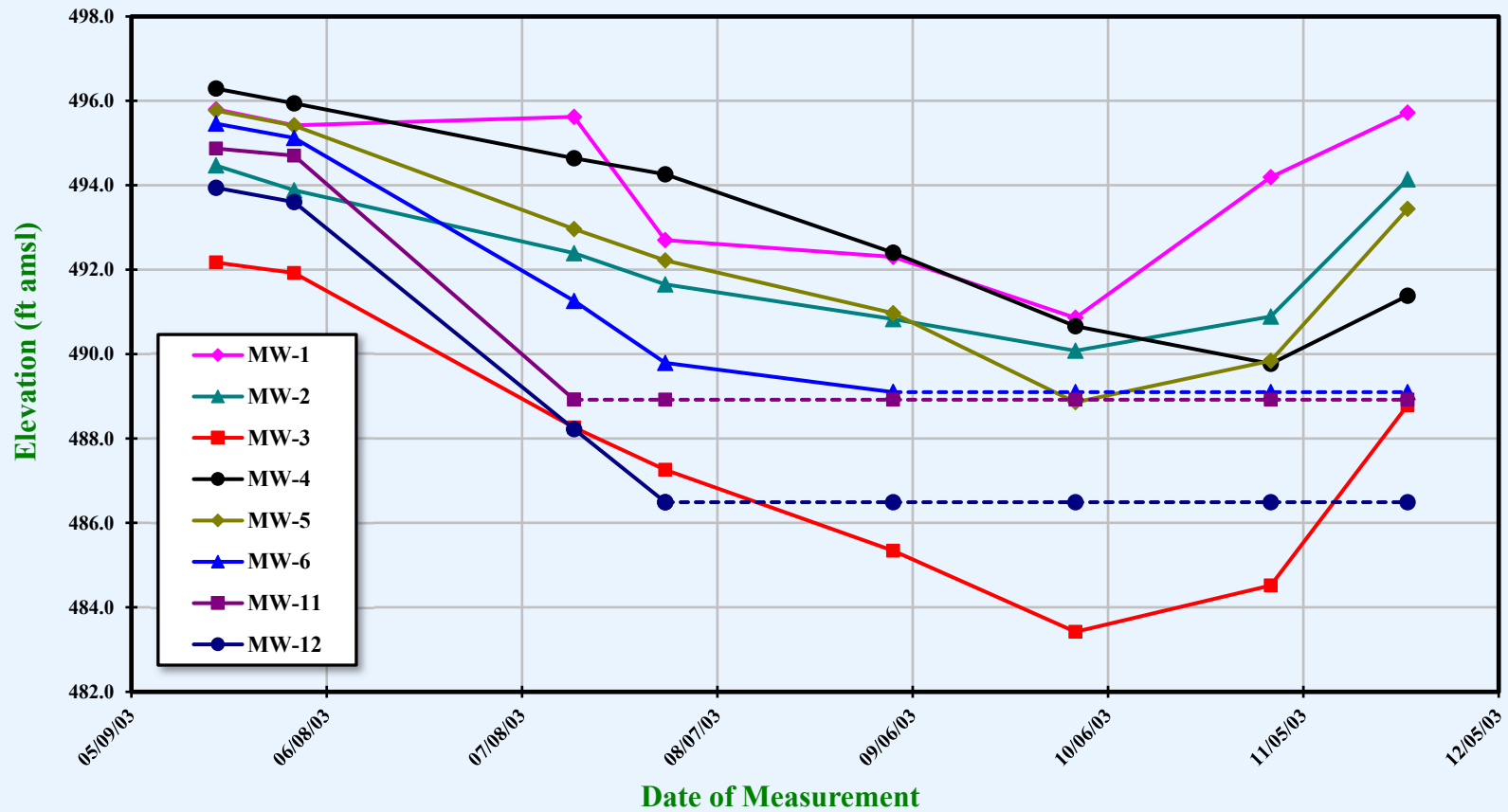


Figure 2-9. 2003 Overburden micro-well hydrographs for the Former Barker Chemical Site.
Lines are dashed where the wells are dry. Well locations are shown on Figure 2-8.

**Overburden Micro-Well Hydrographs
Former Barker Chemical Site, Site No 932119**

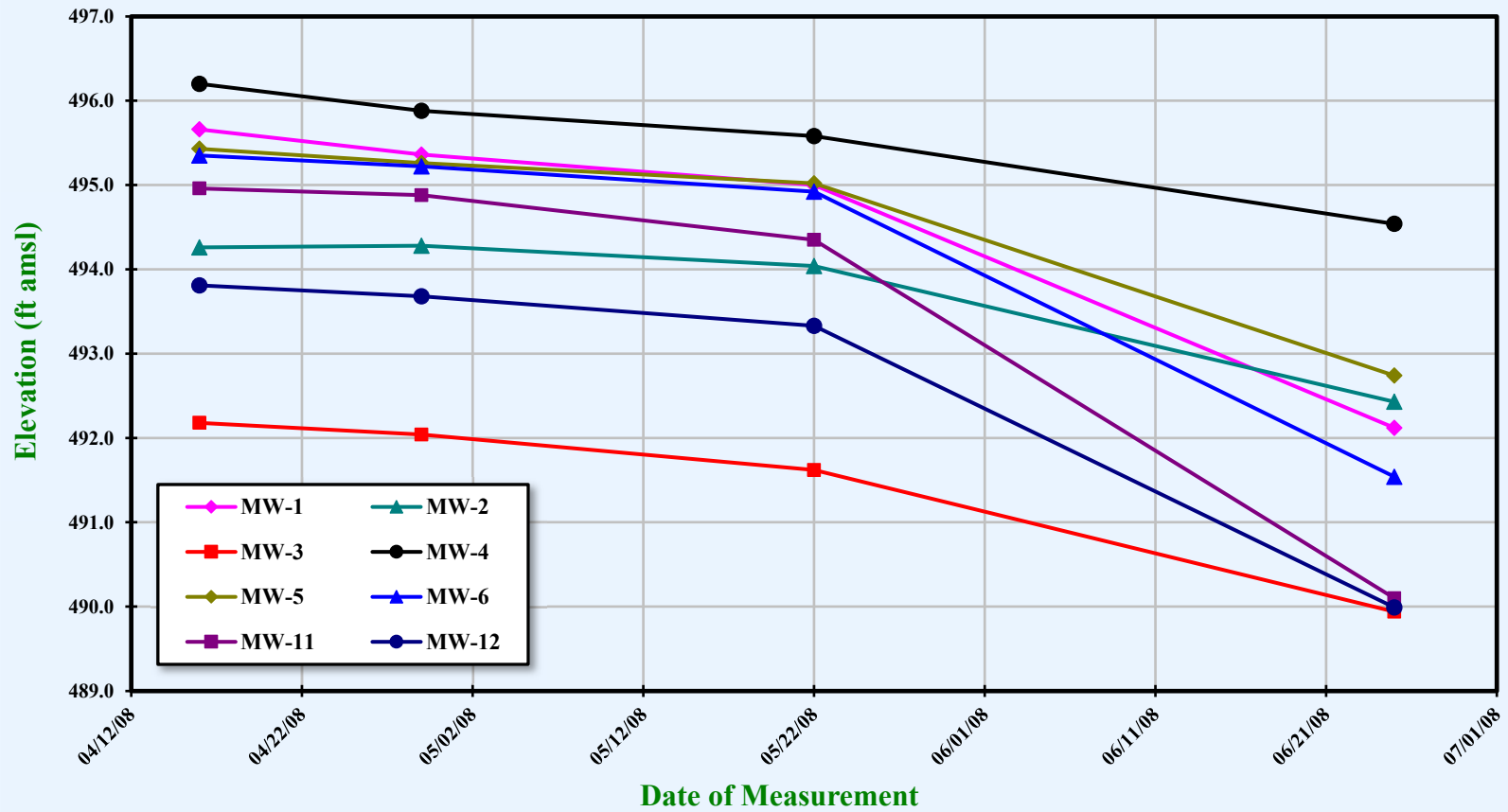
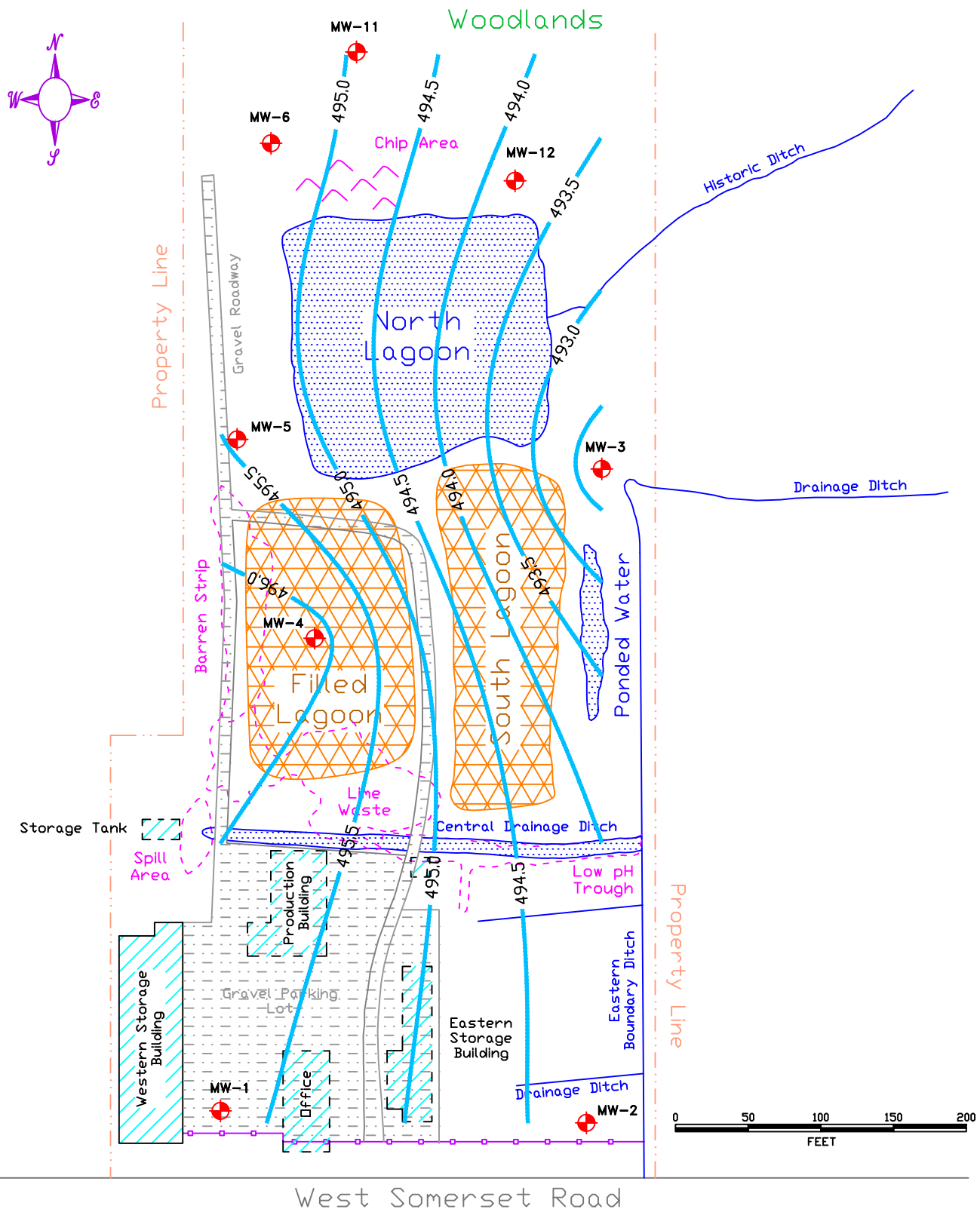


Figure 2-10. 2008 Overburden micro-well hydrographs for the Former Barker Chemical Site.
Well locations are shown on Figure 2-8.

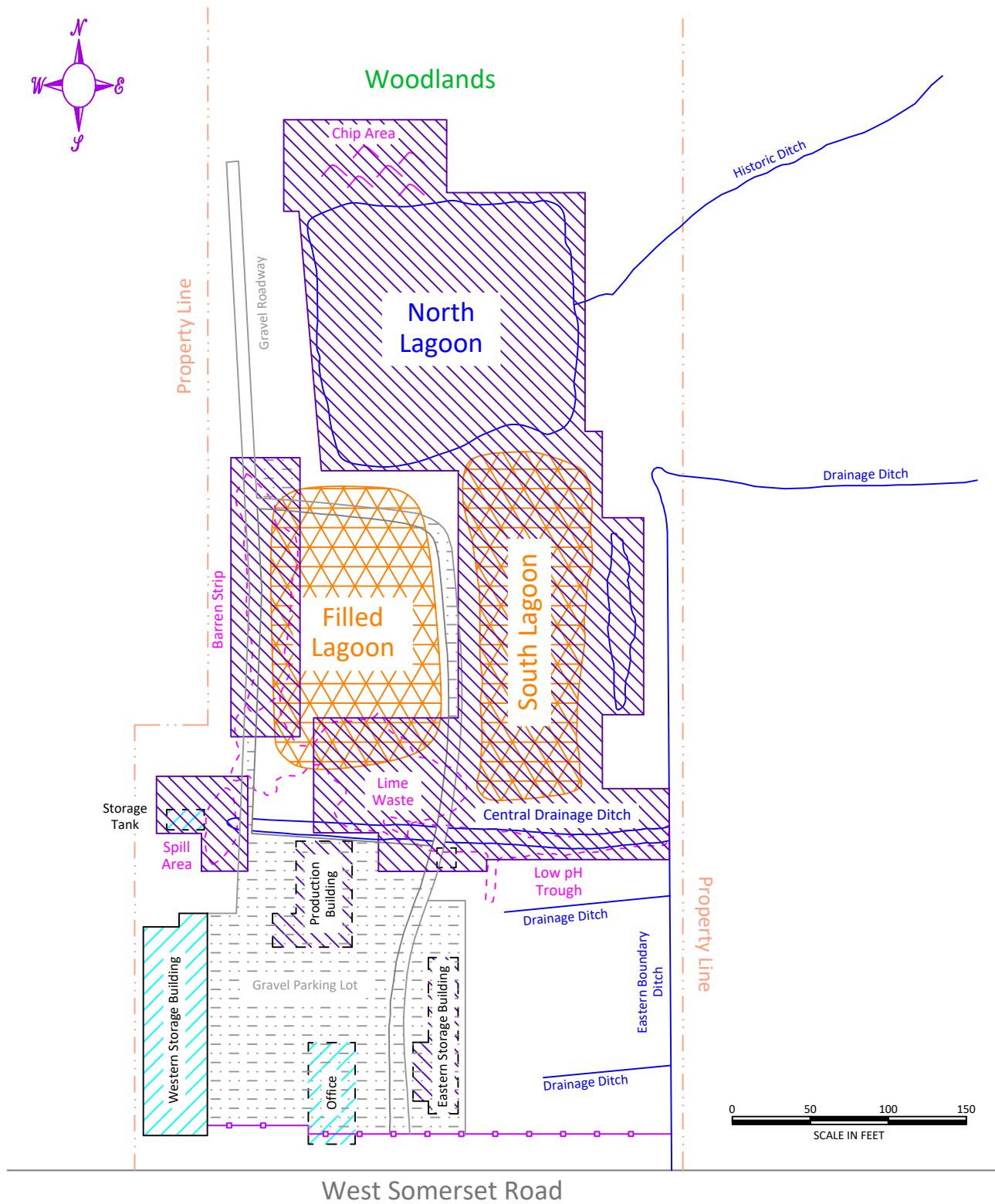
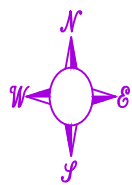


LEGEND:

◆ MONITORING WELL LOCATION

GROUNDWATER CONTOUR MAP (APRIL 16, 2008)		
DIVISION OF ENVIRONMENTAL REMEDIATION		
DATE: 05/05/08	DRAWING: Figure 2-11.dwg	
SITE: BARKER CHEMICAL SITE		

FIGURE 2-11



LEGEND:



AREAS REMEDIATED BY EPA

EPA REMOVAL ACTION

DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 06/06/03

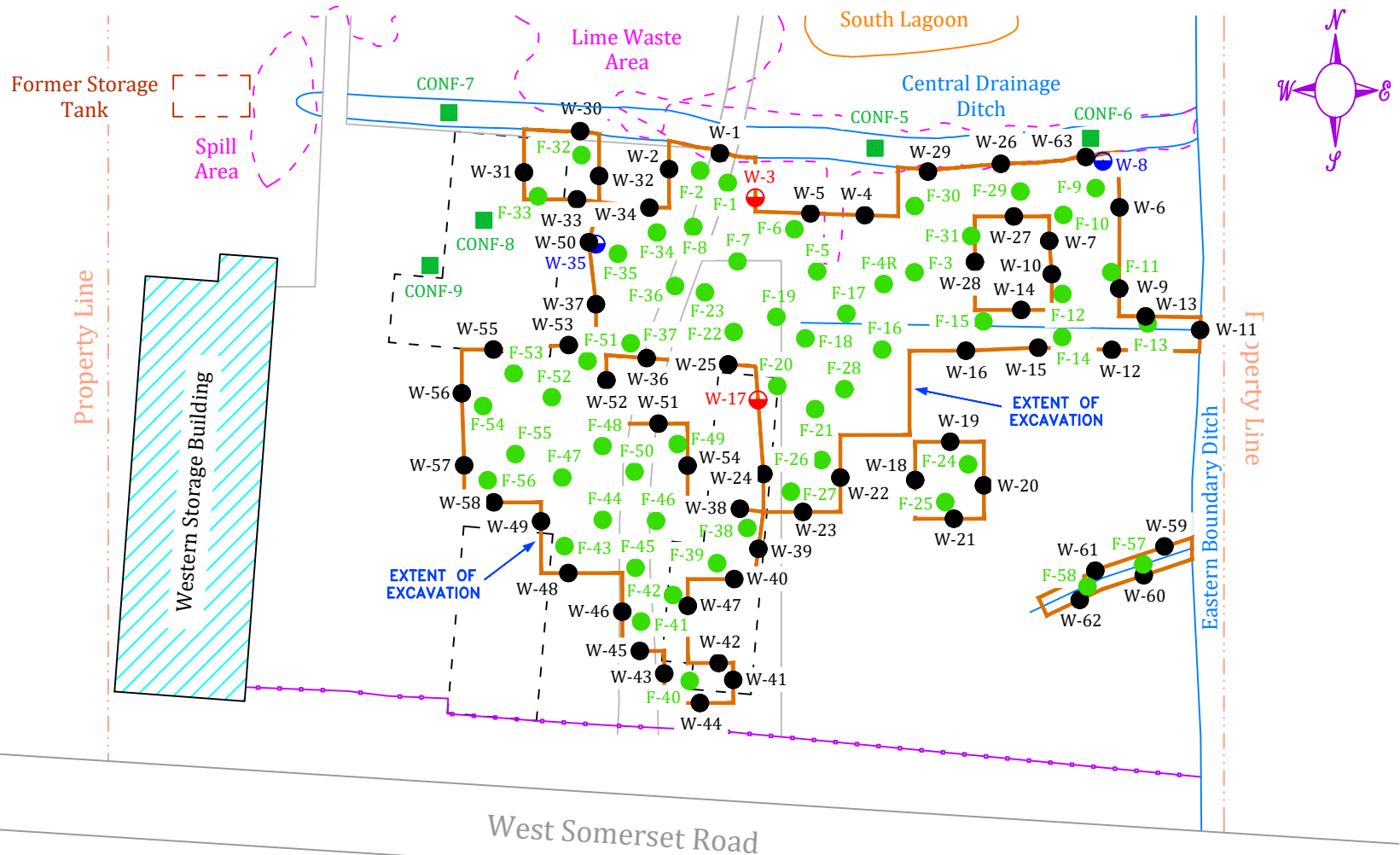
DRAWING: Barker Site Map.dwg

SITE:

BARKER CHEMICAL SITE

FIGURE 2-12





LEGEND:

- Confirmatory Sample (EPA)
- Confirmatory Wall Sample with No Exceedance
- Confirmatory Floor Sample with No Exceedance
- Confirmatory Sample with Arsenic Exceedance
- Confirmatory Sample where Additional Excavation Took Place



EXCAVATION & CONFIRMATORY SAMPLE LOCATION MAP

DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 07/11/22

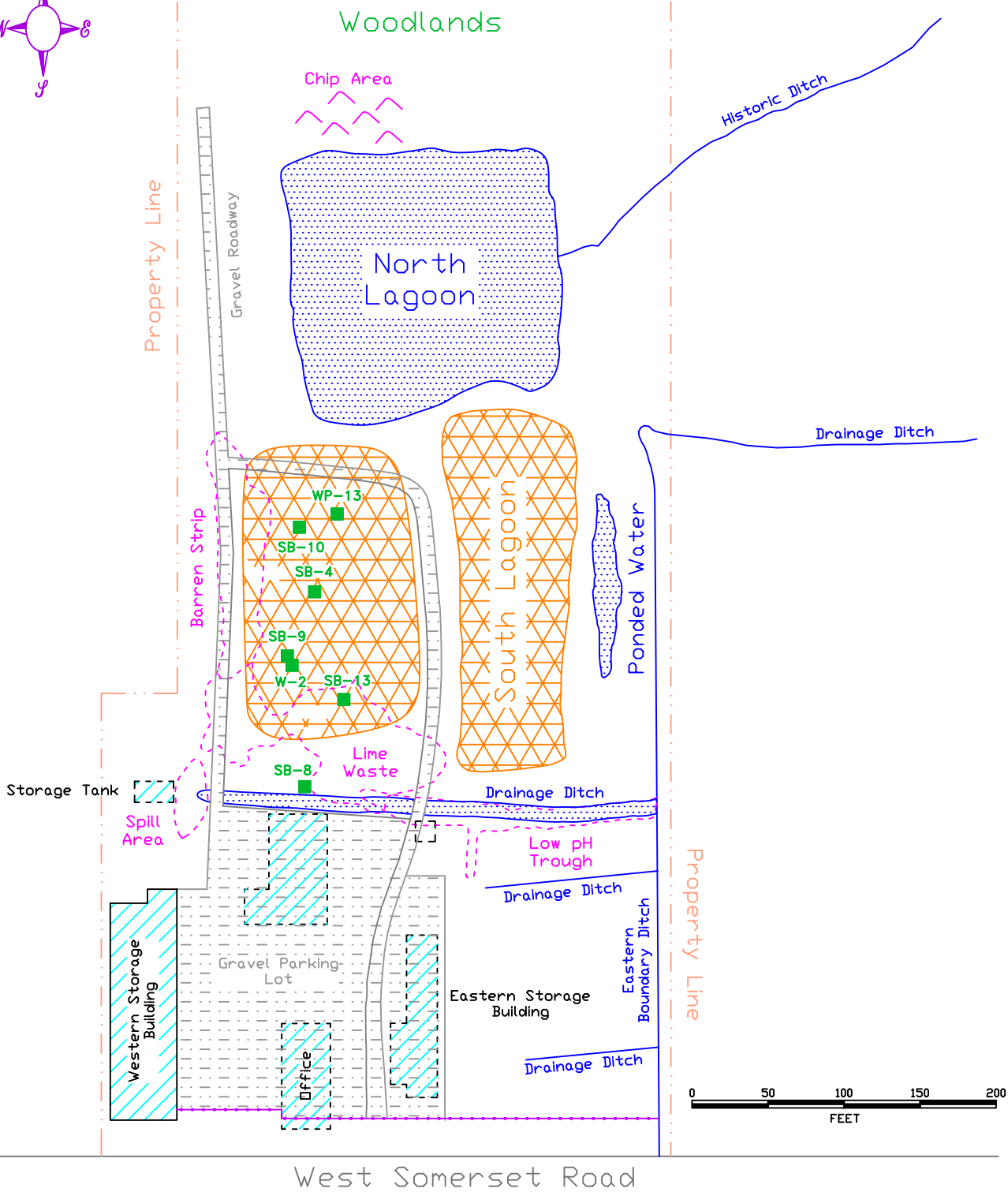
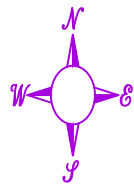
DRAWING: Southern Part of Site

SITE NAME:

BARKER CHEMICAL SITE



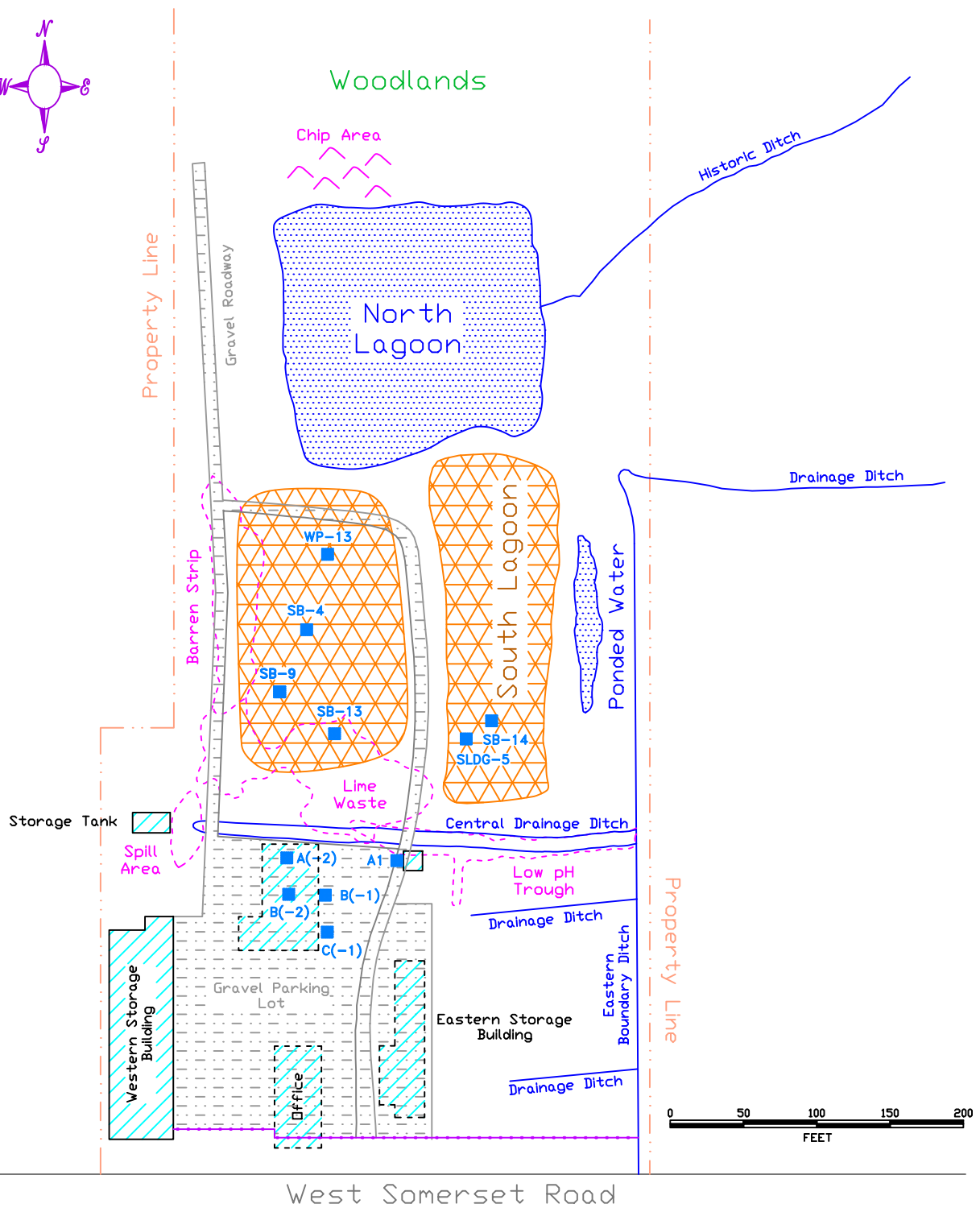
FIGURE 2-13



LEGEND:

■ LIME WASTE SAMPLE LOCATION

LIME WASTE SAMPLE LOCATION MAP		
DIVISION OF ENVIRONMENTAL REMEDIATION		
DATE: 07/09/22	DRAWING: Section 2 Figures.dwg	
SITE: BARKER CHEMICAL SITE		
		FIGURE 2-14



LEGEND:

■ SLUDGE SAMPLE LOCATION

SLUDGE SAMPLE LOCATION MAP

DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 07/06/22

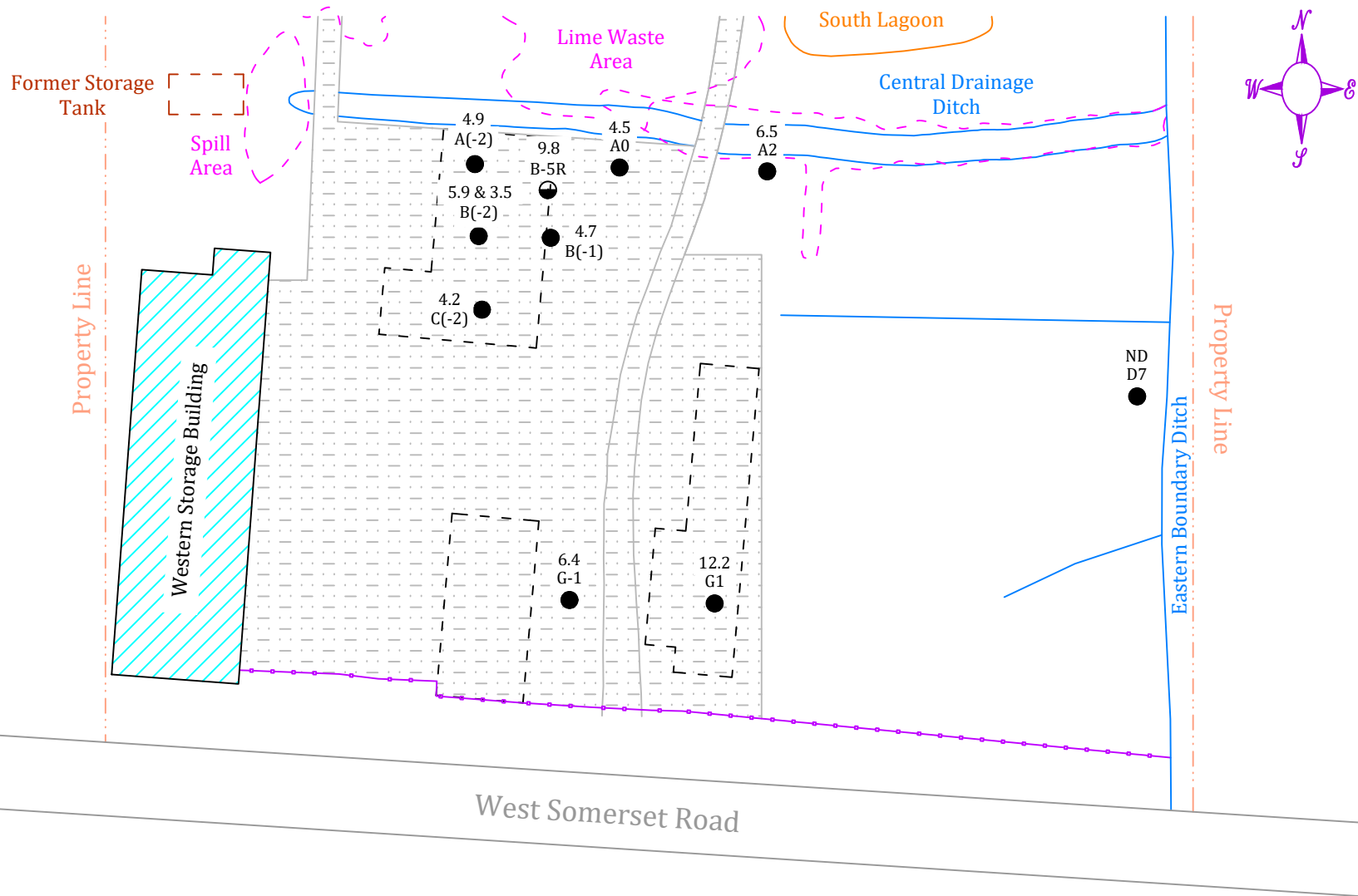
DRAWING: Figure 2-15.dwg

SITE:

BARKER CHEMICAL SITE

FIGURE 2-15





LEGEND:

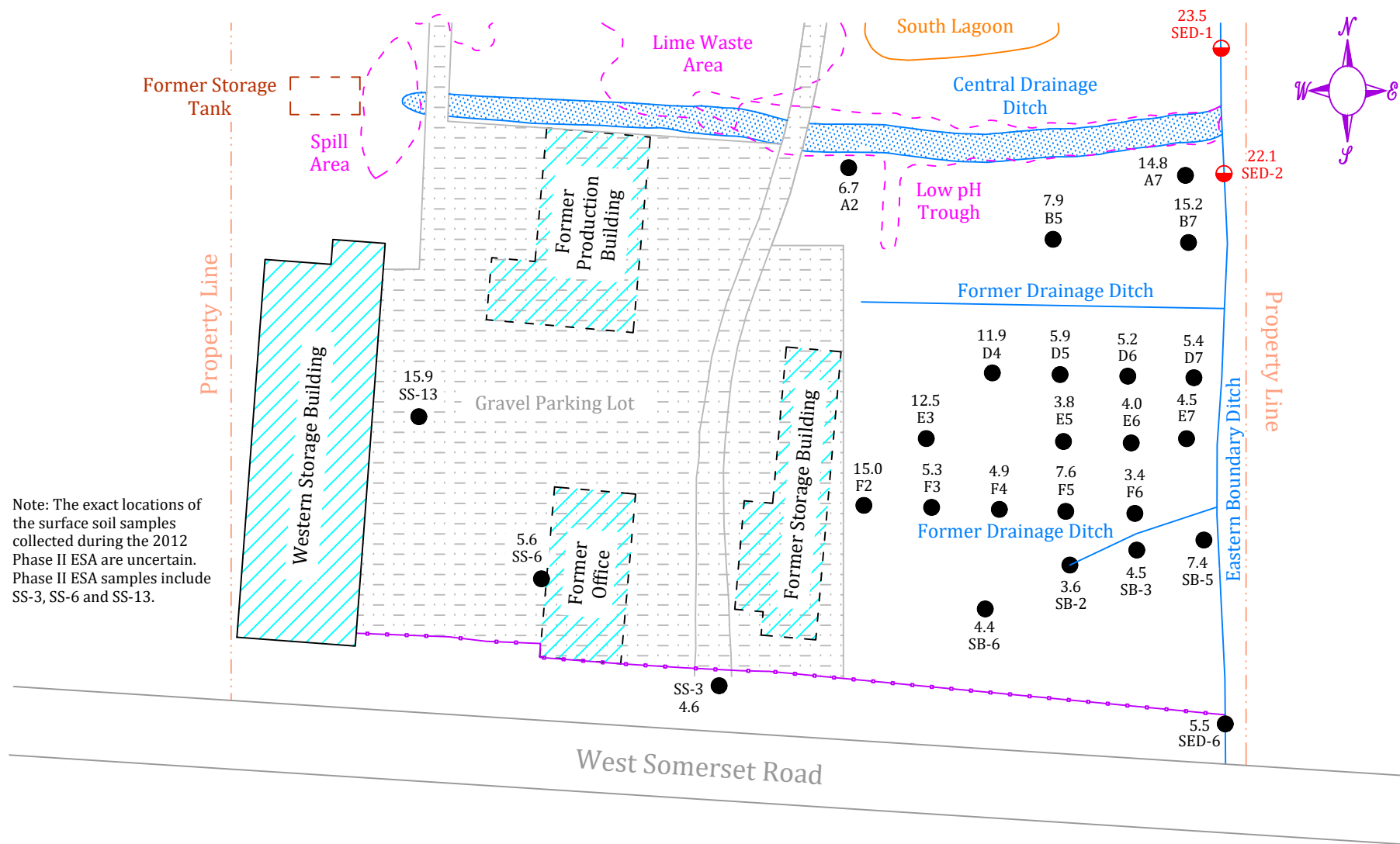
- Miscellaneous Fill Sample with No Arsenic Exceedance
- Miscellaneous Fill Sample with an Arsenic Exceedance

All concentrations are in ppm. Exceedances are for the commercial use SCO, which is 16 ppm.



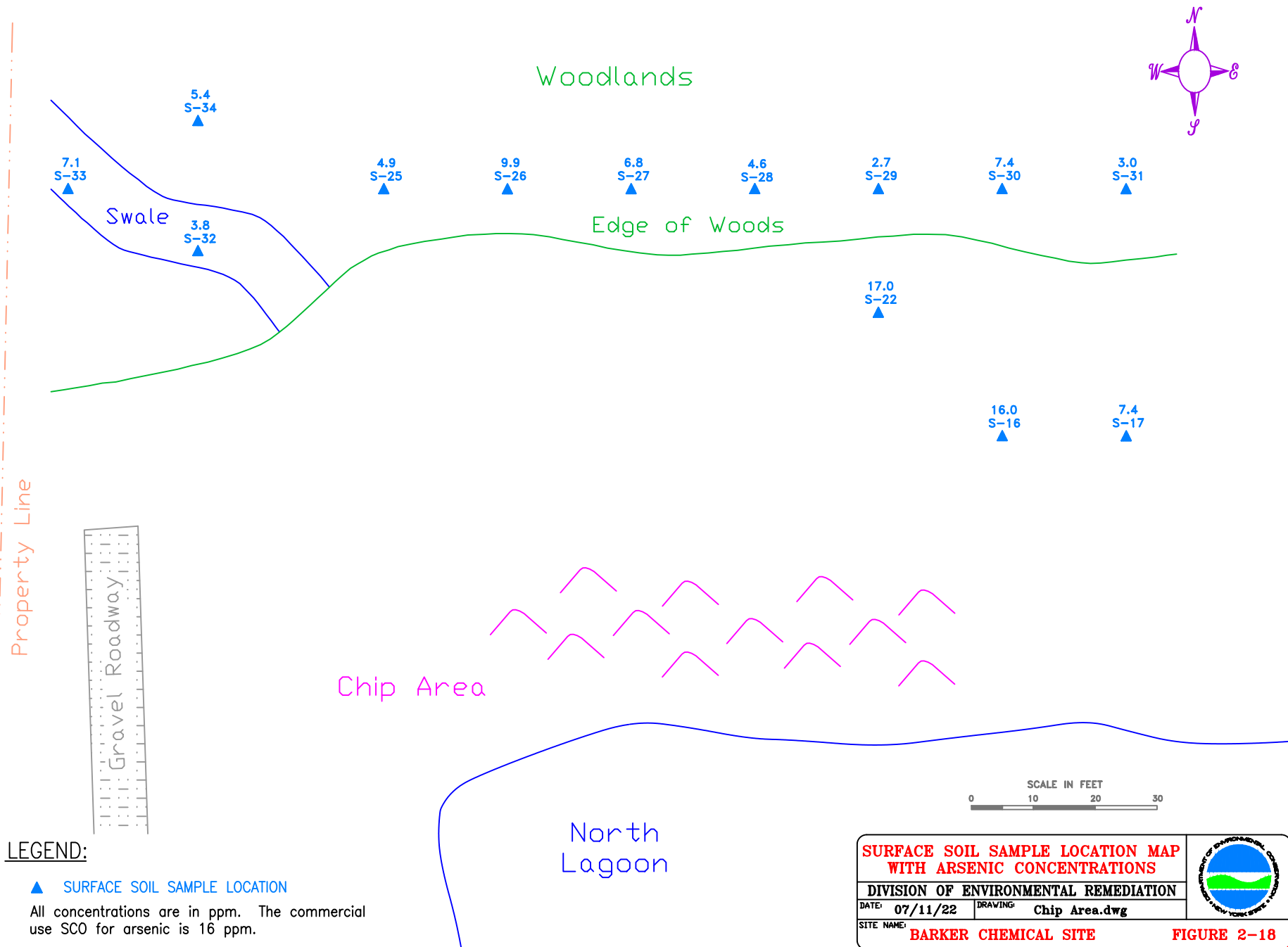
ARSENIC CONCENTRATIONS IN MISCELLANEOUS FILL SAMPLES		
DIVISION OF ENVIRONMENTAL REMEDIATION		
DATE: 07/11/22	DRAWING: Southern Part of Site	
SITE NAME: BARKER CHEMICAL SITE		
		FIGURE 2-16

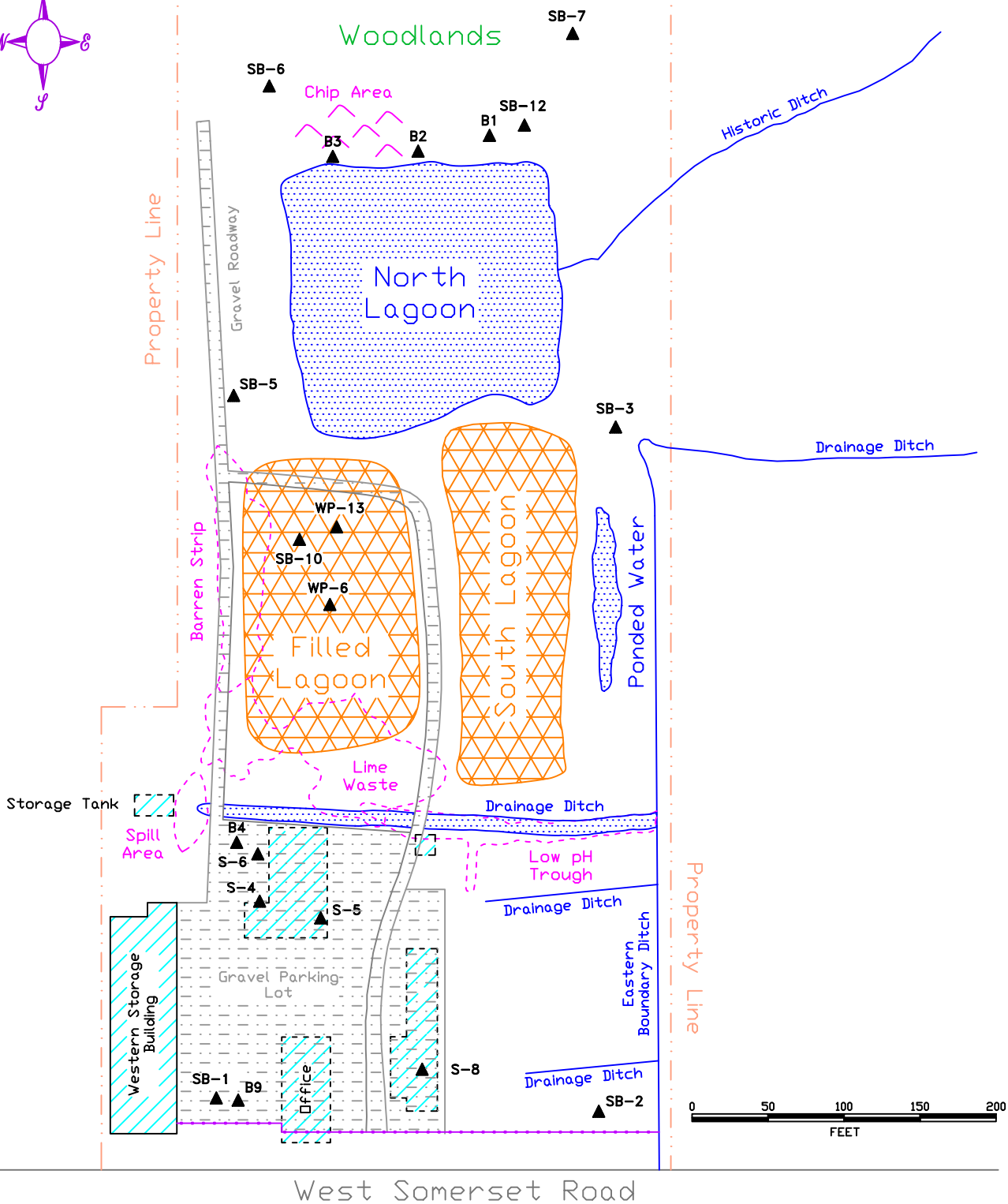
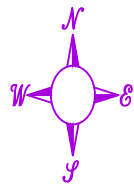
FIGURE 2-16



ARSENIC CONCENTRATIONS IN SURFACE SOIL AND SEDIMENT		
DIVISION OF ENVIRONMENTAL REMEDIATION		
DATE: 07/11/22	DRAWING: Southern Part of Site	
SITE NAME: BARKER CHEMICAL SITE		

FIGURE 2-17





LEGEND:

▲ SUBSURFACE SOIL SAMPLE LOCATION

**SUBSURFACE SOIL
SAMPLE LOCATION MAP**

DIVISION OF ENVIRONMENTAL REMEDIATION

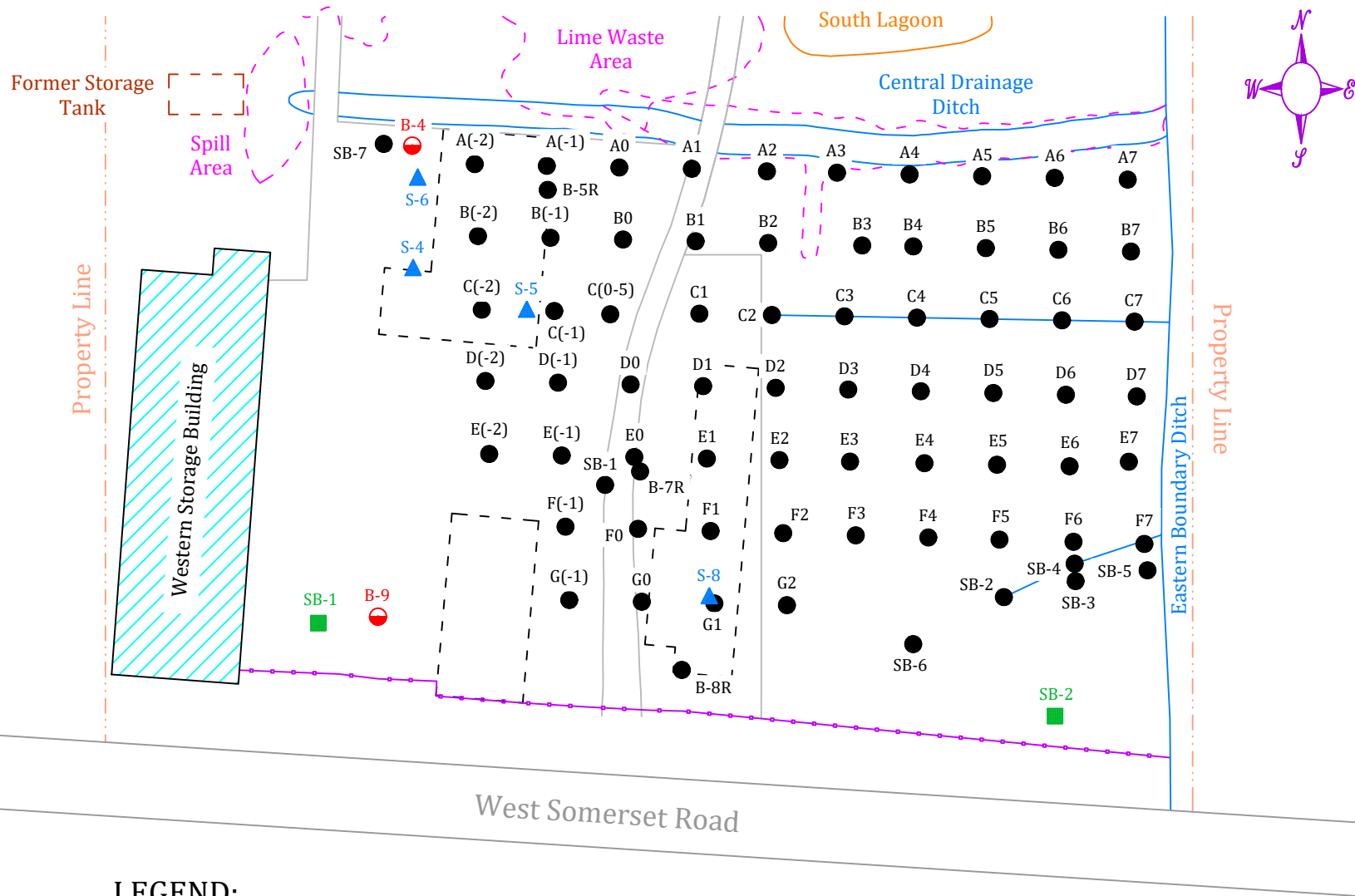
DATE: 07/09/22 DRAWING: Section 2 Figures.dwg

SITE:

BARKER CHEMICAL SITE

FIGURE 2-19





LEGEND:

- ▲ 2000 & 2001 EPA Subsurface Soil Sample
- 2003 DEC Subsurface Soil Sample
- 2012 LaBella Subsurface Soil Sample
- 2013 DEC Subsurface Soil Sample



SUBSURFACE SOIL SAMPLE LOCATION MAP

DIVISION OF ENVIRONMENTAL REMEDIATION

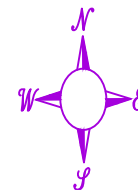
DATE: 07/11/22 DRAWING: Southern Part of Site

SITE NAME: BARKER CHEMICAL SITE



FIGURE 2-20

Woodlands



S-34

S-33

Swale

S-32

S-25

S-26

S-27

S-28

S-29

S-30

S-31

Edge of Woods

S-18

S-19

S-20

S-21

S-22

S-23

S-24

SB-6

S-11

S-12

S-13

S-15

S-16

S-17

Property Line



Gravel Roadway

Chip Area

B-3

B-2

North Lagoon

SCALE IN FEET
0 10 20 30

LEGEND:

▲ SUBSURFACE SOIL SAMPLE LOCATION

**SUBSURFACE SOIL SAMPLE
LOCATION MAP**

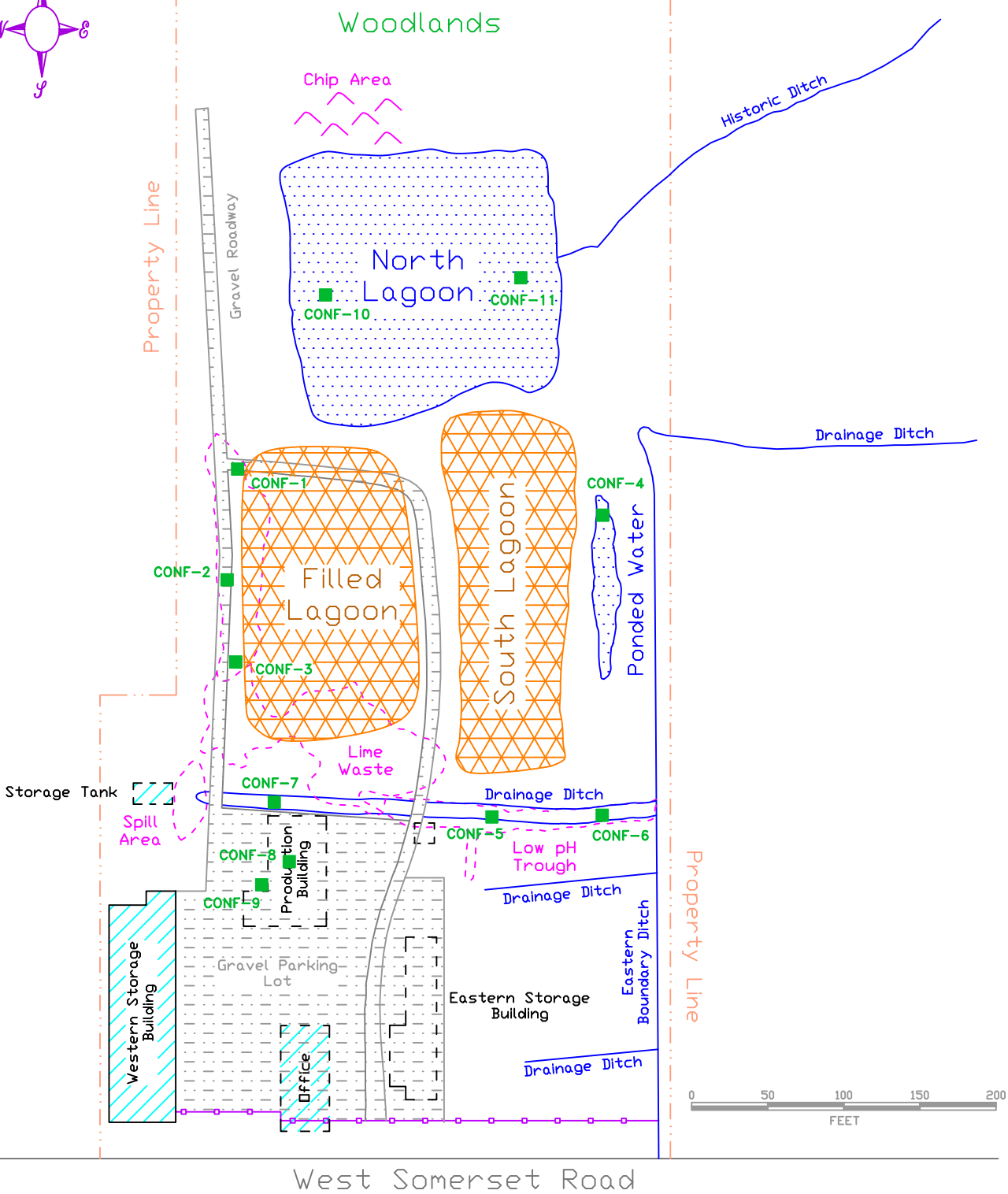
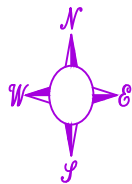
DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 07/11/22 DRAWING: Chip Area.dwg

SITE NAME: BARKER CHEMICAL SITE



FIGURE 2-21

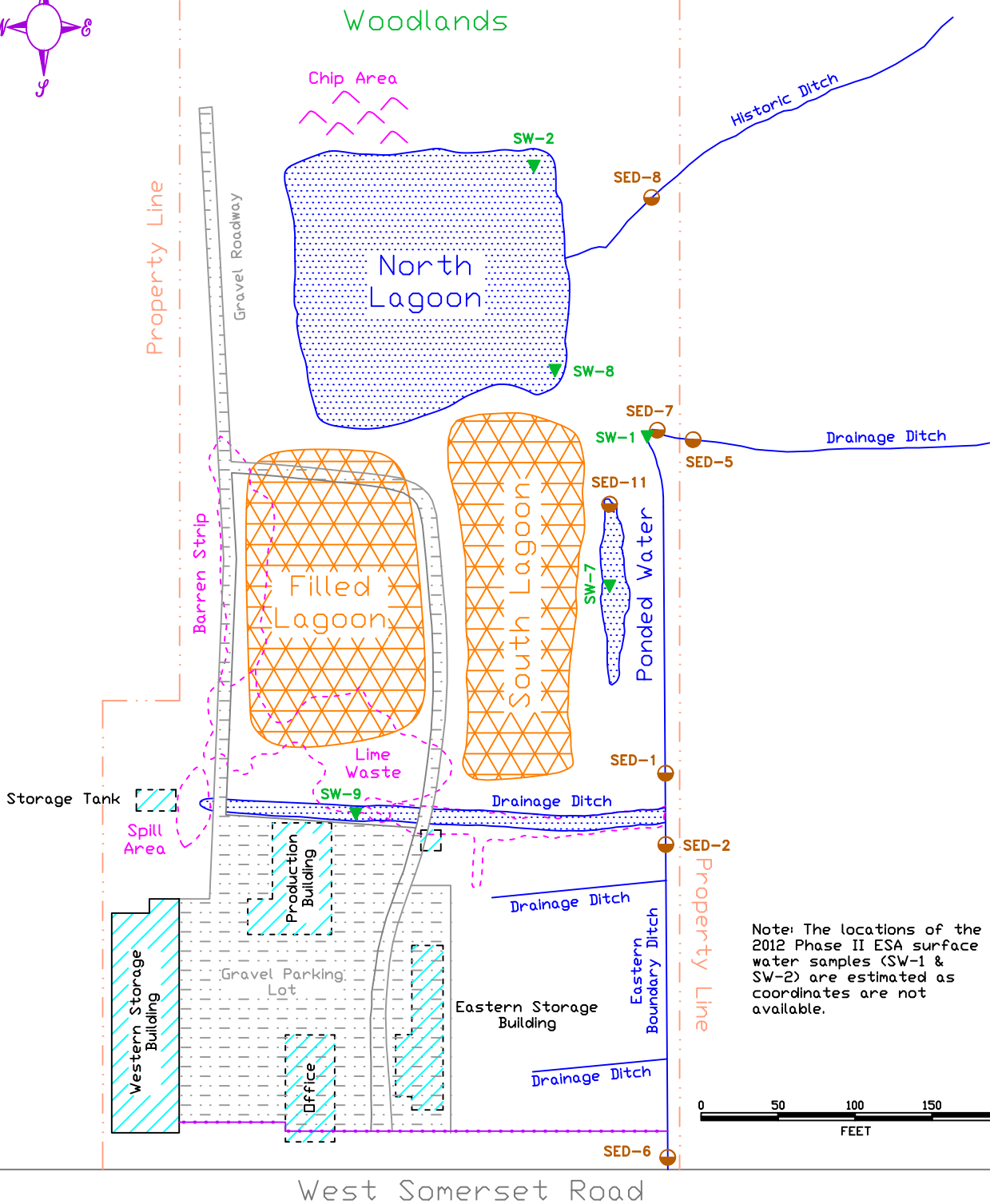
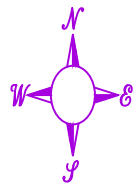


LEGEND:

■ Confirmatory Sample (EPA)

EPA CONFIRMATORY SAMPLE LOCATION MAP		
DIVISION OF ENVIRONMENTAL REMEDIATION		
DATE: 08/05/23	DRAWING: Figure 2-22.dwg	
SITE: BARKER CHEMICAL SITE		

FIGURE 2-22



LEGEND:

- ▼ SURFACE WATER SAMPLE LOCATION
- SEDIMENT SAMPLE LOCATION

SURFACE WATER & SEDIMENT SAMPLE LOCATION MAP

DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 07/09/22

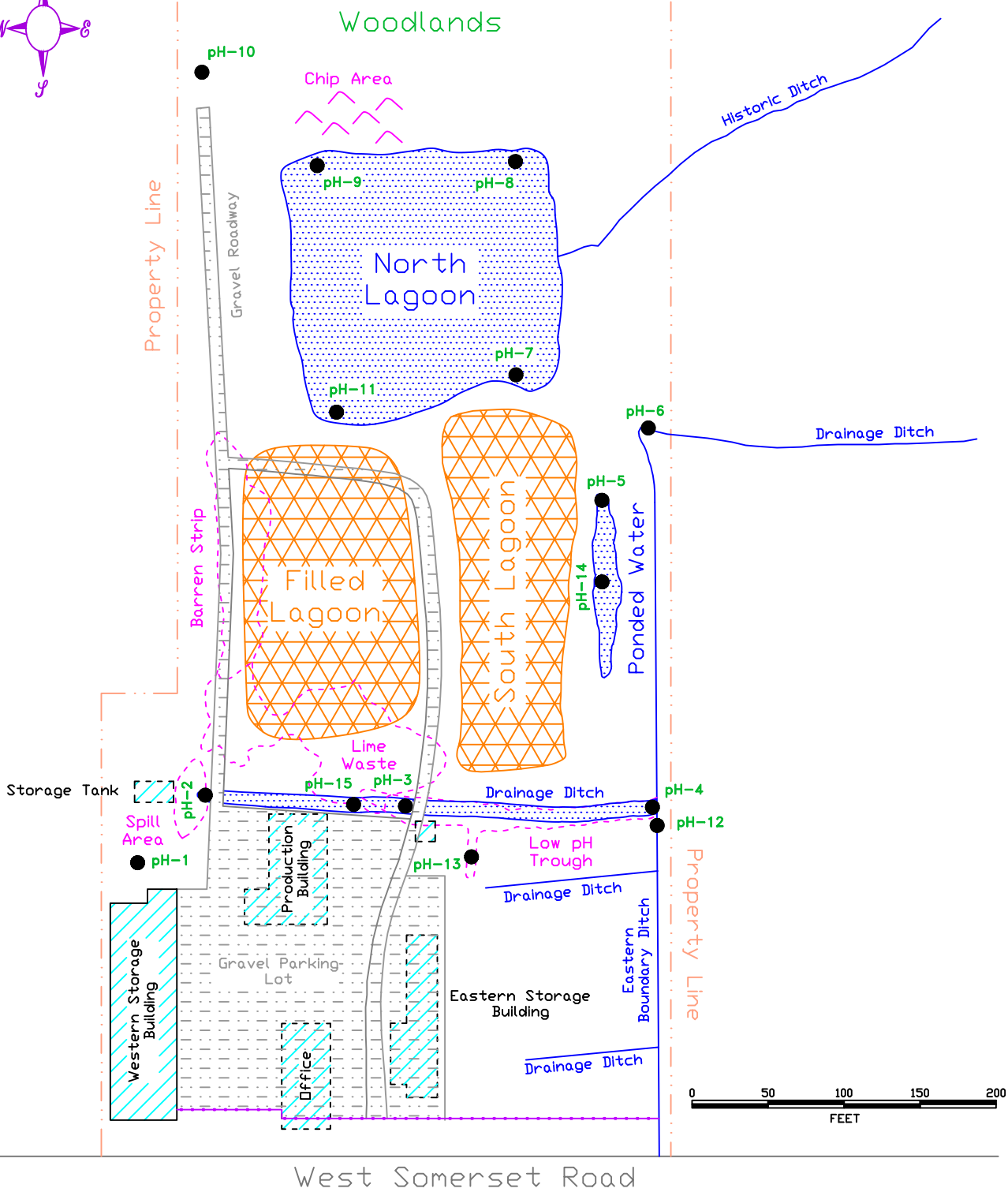
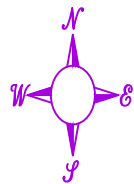
DRAWING: Section 2 Figures.dwg

SITE:

BARKER CHEMICAL SITE

FIGURE 2-23





LEGEND:

- pH MEASUREMENT LOCATION

**2008 pH MEASUREMENT
LOCATION MAP**

DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 07/09/22

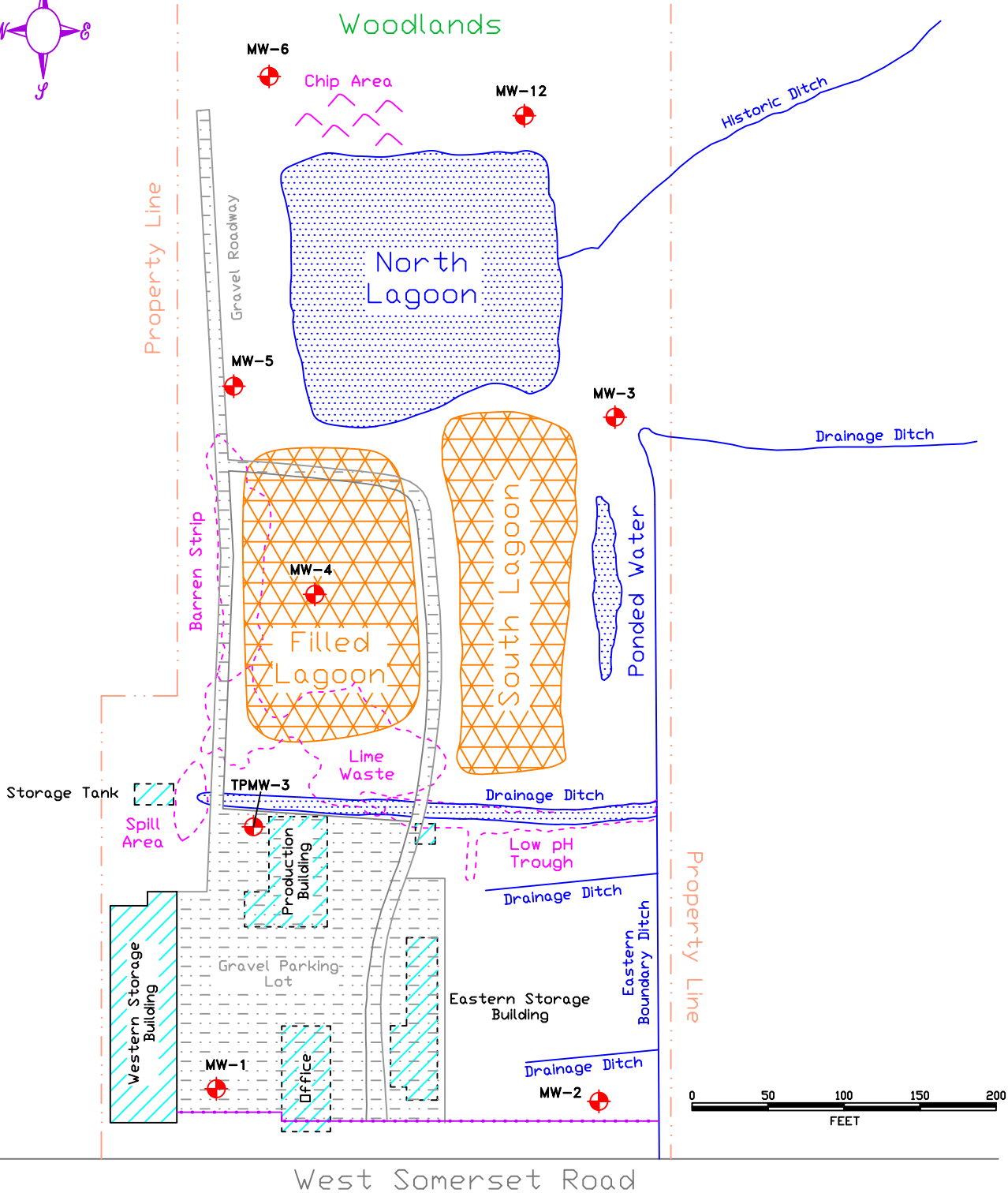
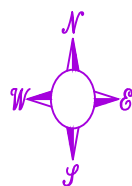
DRAWING: Section 2 Figures.dwg

SITE:

BARKER CHEMICAL SITE

FIGURE 2-24





LEGEND:

◆ GROUNDWATER SAMPLE LOCATION

**GROUNDWATER SAMPLE
LOCATION MAP**

DIVISION OF ENVIRONMENTAL REMEDIATION

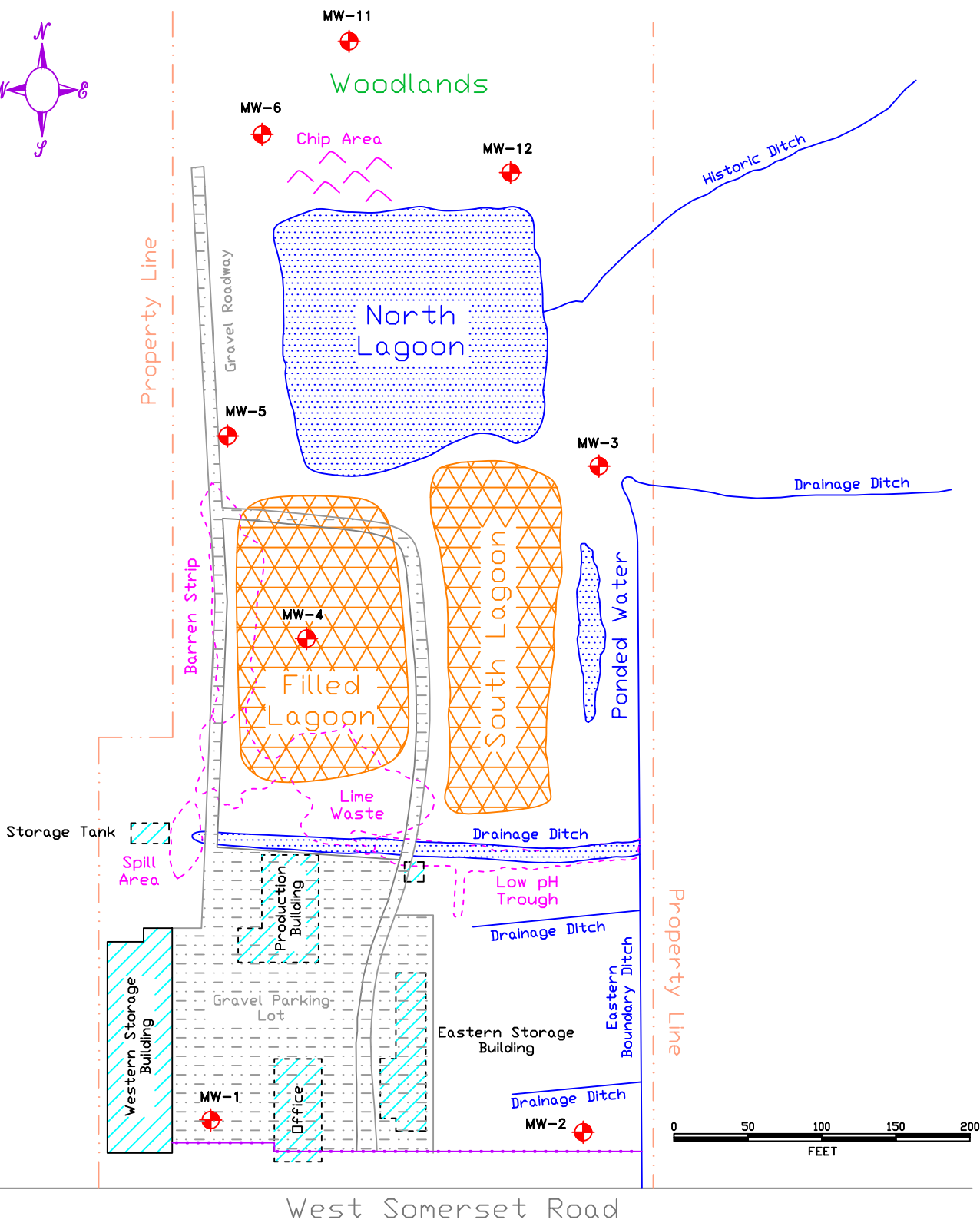
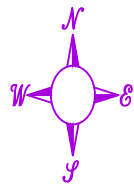
DATE: 07/09/22 DRAWING: Section 2 Figures.dwg

SITE:

BARKER CHEMICAL SITE

FIGURE 2-25





LEGEND:

◆ MICRO-WELL LOCATION

MICRO-WELL LOCATION MAP

DIVISION OF ENVIRONMENTAL REMEDIATION

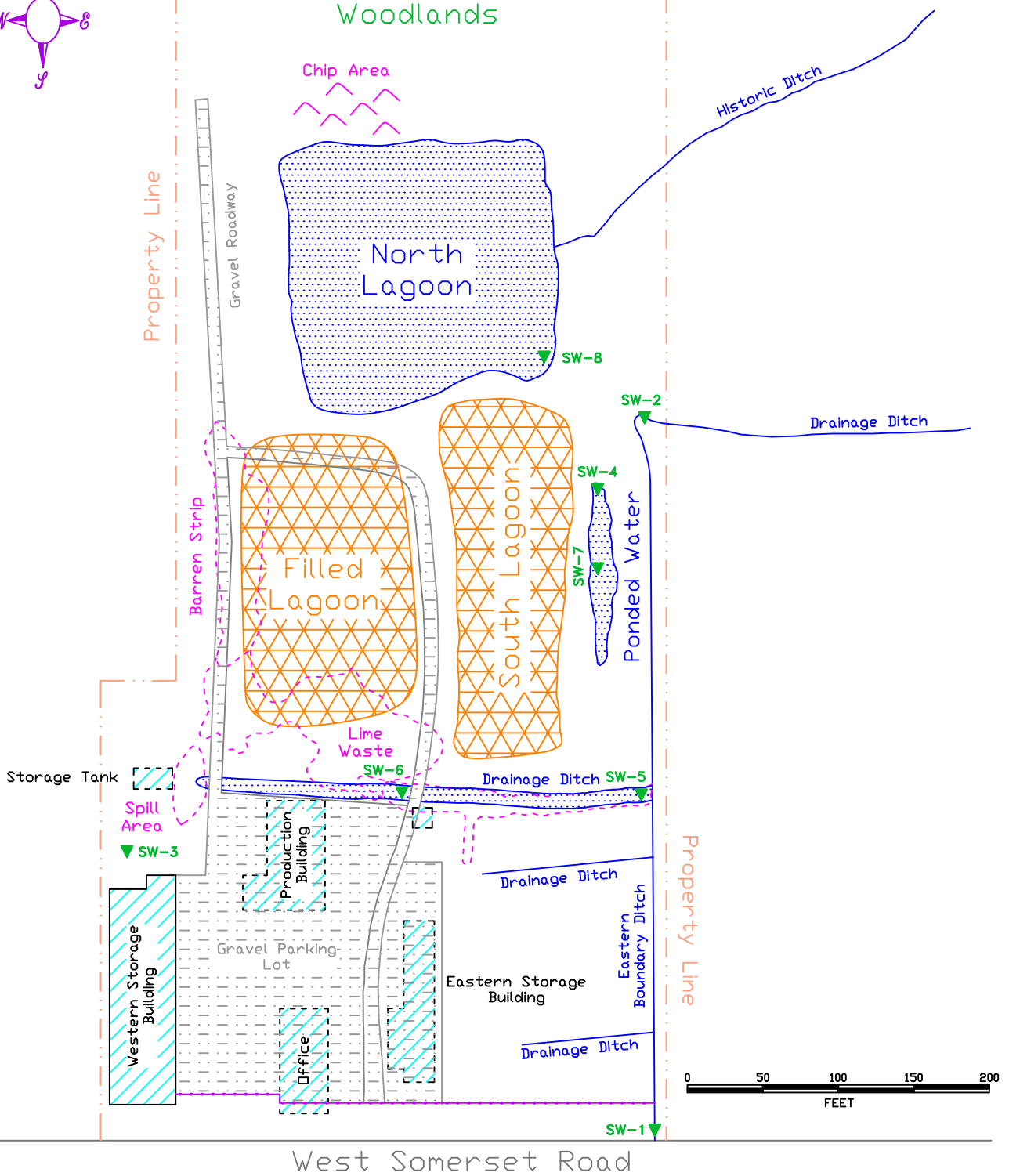
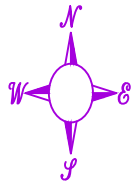
DATE: 07/09/22 DRAWING: Section 2 Figures.dwg

SITE:

BARKER CHEMICAL SITE

FIGURE 4-1





LEGEND:

▼ SURFACE WATER SAMPLE LOCATION

**SURFACE WATER MONITORING
LOCATION MAP**

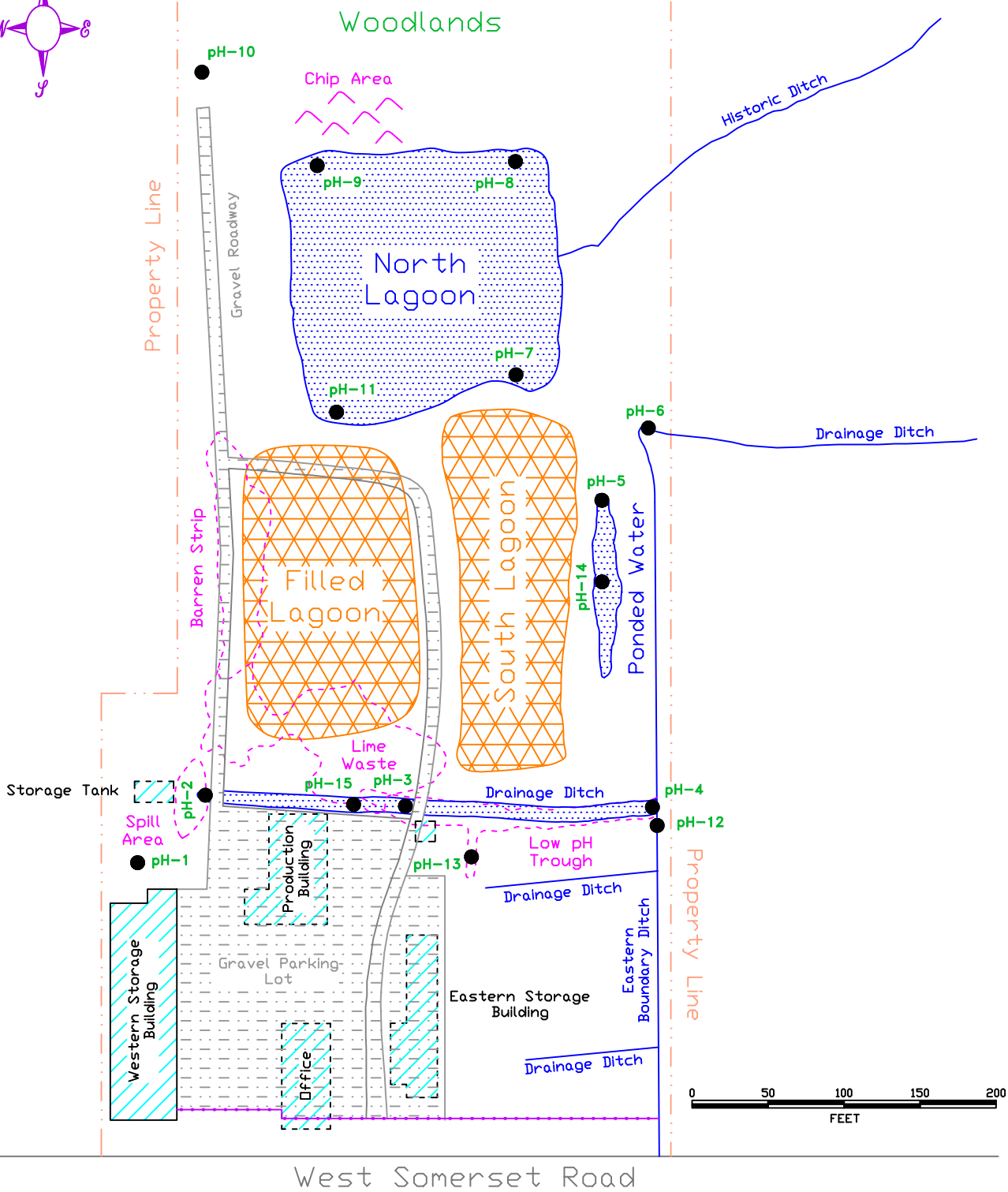
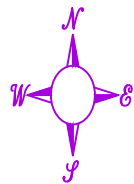
DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 07/09/22 **DRAWING:** Section 2 Figures.dwg

SITE: BARKER CHEMICAL SITE



FIGURE 4-2



LEGEND:

- pH MEASUREMENT LOCATION

**pH MONITORING
LOCATION MAP**

DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 07/09/22

DRAWING: Section 2 Figures.dwg

SITE:

BARKER CHEMICAL SITE

FIGURE 4-3

