

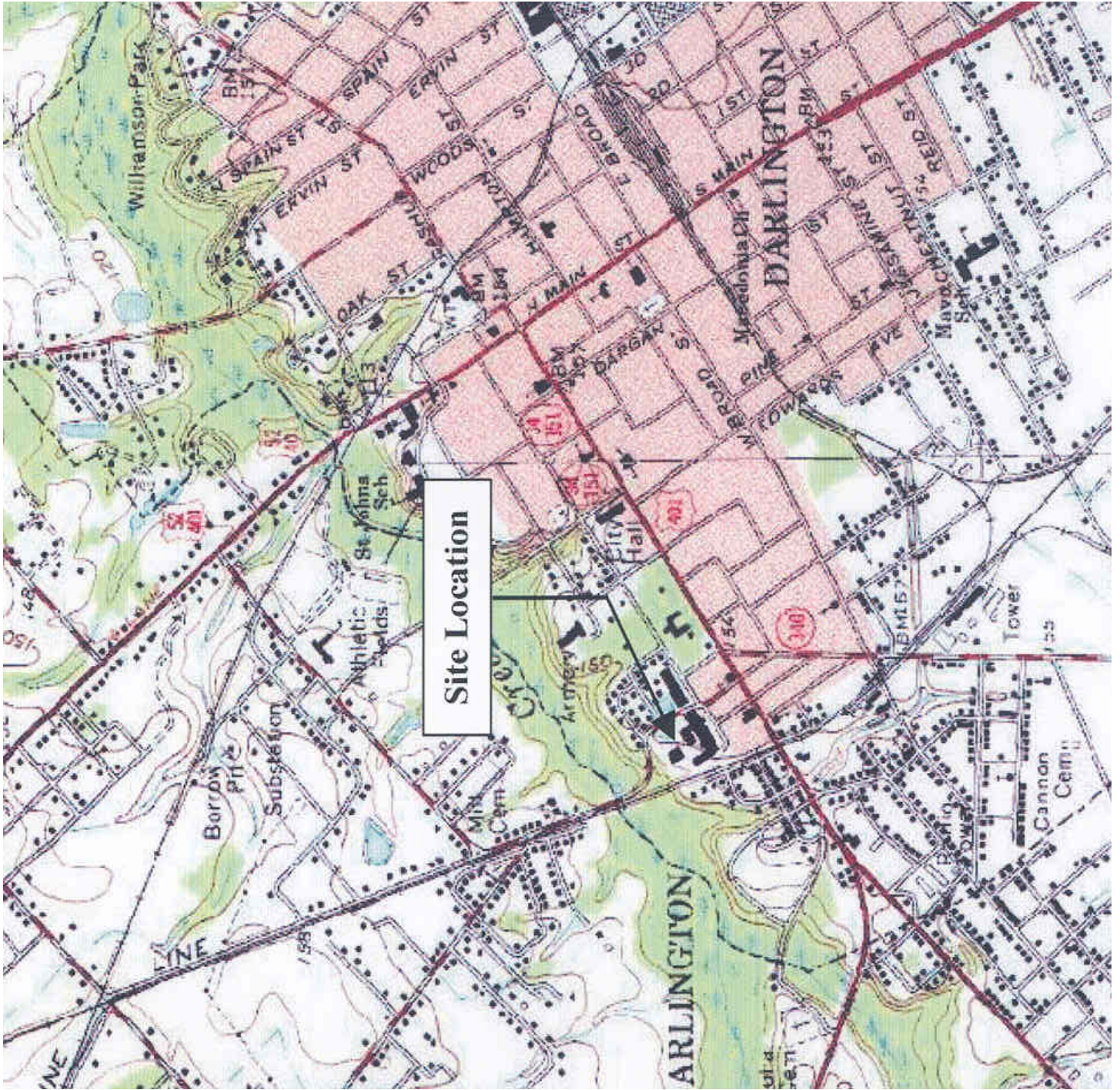


South Carolina Department of Health and Environmental Control

Nytronics Components Group Site Darlington, SC Planned Removal Activities May 1, 2008

Public Meeting Format

- Discuss Site Conditions
- Discuss Removal Plan and Path Forward for the Site
- Questions and Answers



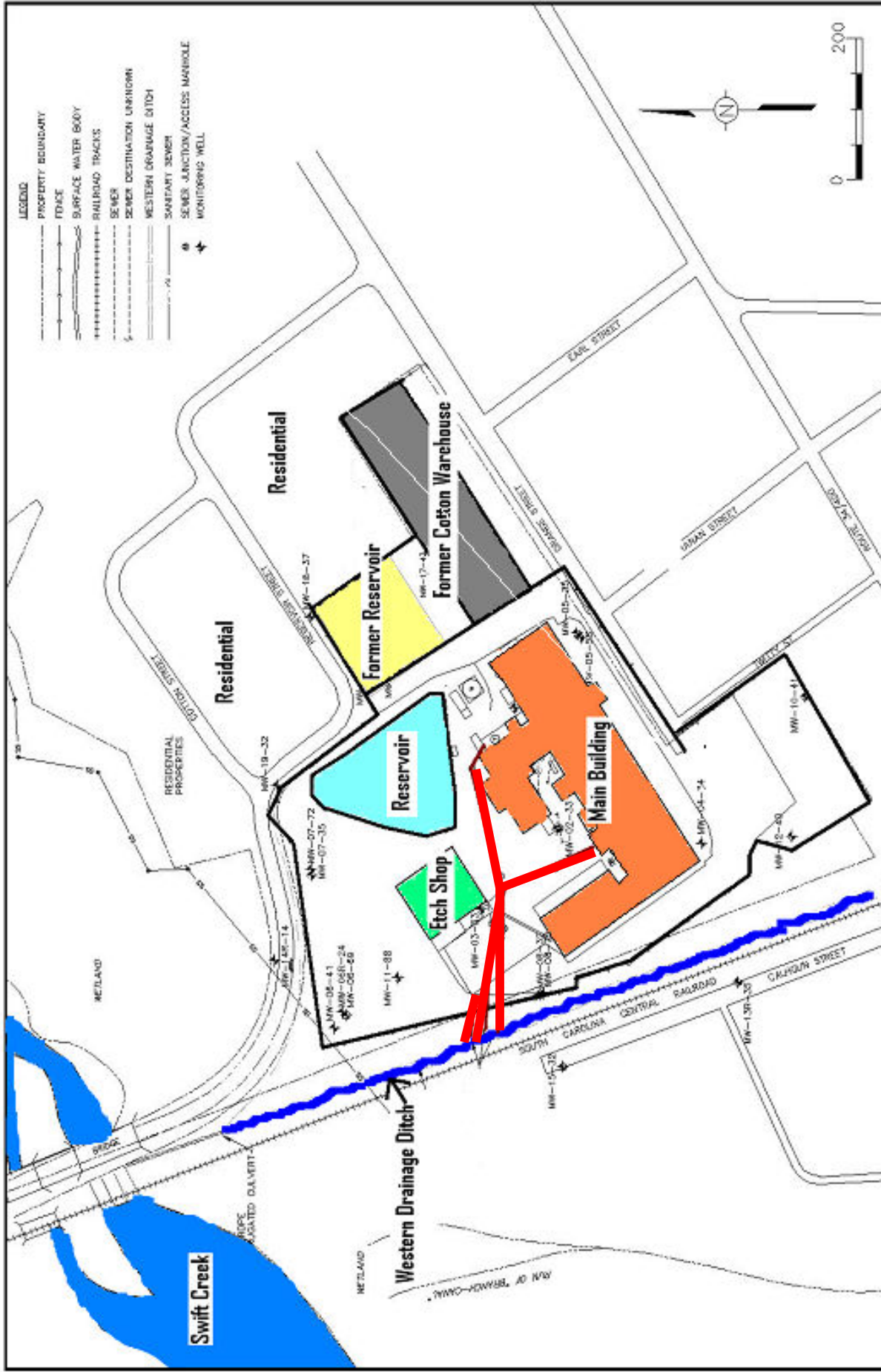


Figure 2
Site Layout
Former Nytronics Components Group, Inc. Site
Darlington, South Carolina

WSP ENVIRONMENT & ENERGY
 11190 SUNSHINE VALLEY DRIVE SITE 300
 REISTON, VIRGINIA 20191
 (703) 709-6500



Main Chemicals of Concern

- Polychlorinated Biphenyls (PCBs)
- Chlorinated Solvents
 - Perchloroethylene (PCE)
 - 1,1,1-Trichloroethane (1,1,1-TCA)
 - Trichloroethylene (TCE)

Where are the chemicals?

- Inside the building, floors, walls, and sumps
- Storm sewer sediment
- Western drainage ditch sediment
- Swift Creek sediment
- Groundwater
- Soil (inside fence and between fence and drainage ditch)

What are the Clean-up Goals for Soil/Sediment?

PCE: 14 ppb

TCE: 14 ppb

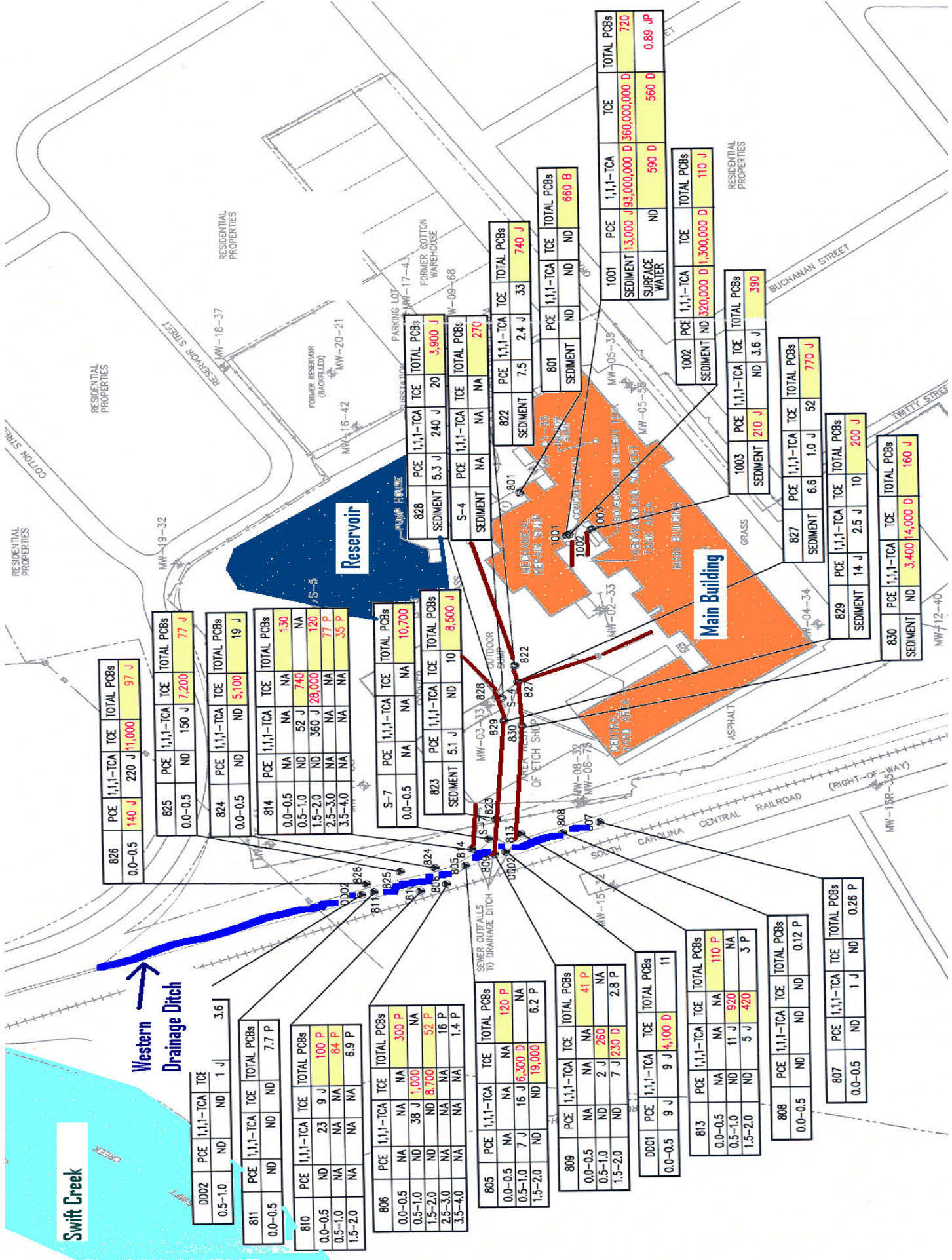
1,1,1-TCA: 470 ppb

PCBs: 1 ppm (soil outside fence)

ppm: parts per million

ppb: parts per billion

To Protect Human Health and the Environment



Swift Creek

Western Drainage Ditch

Reservoir

Main Building

DD02	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.5-1.0	ND	ND	1 J	3.6 J

811	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	ND	ND	ND	7.7 P

810	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	ND	23	9 J	100 P
0.5-1.0	NA	NA	NA	84 P
1.5-2.0	NA	NA	NA	6.9 P

806	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	NA	NA	NA	300 P
0.5-1.0	ND	38 J	1,000	NA
1.5-2.0	ND	ND	8,700	52 P
2.5-3.0	NA	NA	NA	16 P
3.5-4.0	NA	NA	NA	1.4 P

805	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	NA	NA	NA	120 P
0.5-1.0	7 J	16 J	6,300 D	NA
1.5-2.0	ND	ND	19,000	6.2 P

809	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	NA	NA	NA	41 P
0.5-1.0	ND	2 J	260	NA
1.5-2.0	ND	7 J	230 D	2.8 P

DD01	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	9 J	9 J	4,100 D	11

813	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	NA	NA	NA	110 P
0.5-1.0	ND	11 J	920	NA
1.5-2.0	ND	5 J	420	3 P

808	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	ND	ND	ND	0.12 P

807	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	ND	1 J	ND	0.26 P

826	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	140 J	220 J	11,000	97 J

825	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	ND	150 J	7,200	77 J

824	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	ND	ND	5,100	19 J

814	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	NA	NA	NA	130
0.5-1.0	ND	52 J	740	NA
1.5-2.0	ND	360 J	28,000	120
2.5-3.0	NA	NA	NA	77 P
3.5-4.0	NA	NA	NA	35 P

S-7	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	NA	NA	NA	10,700

823	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	5.1 J	ND	10	8,500 J

828	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	5.3 J	240 J	20	3,900 J

S-4	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	NA	NA	NA	270

822	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	7.5	2.4 J	33	740 J

801	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	660 B

1001	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	13,000 J	93,000,000 D	360,000,000 D	720
SURFACE WATER	ND	590 D	560 D	0.89 JP

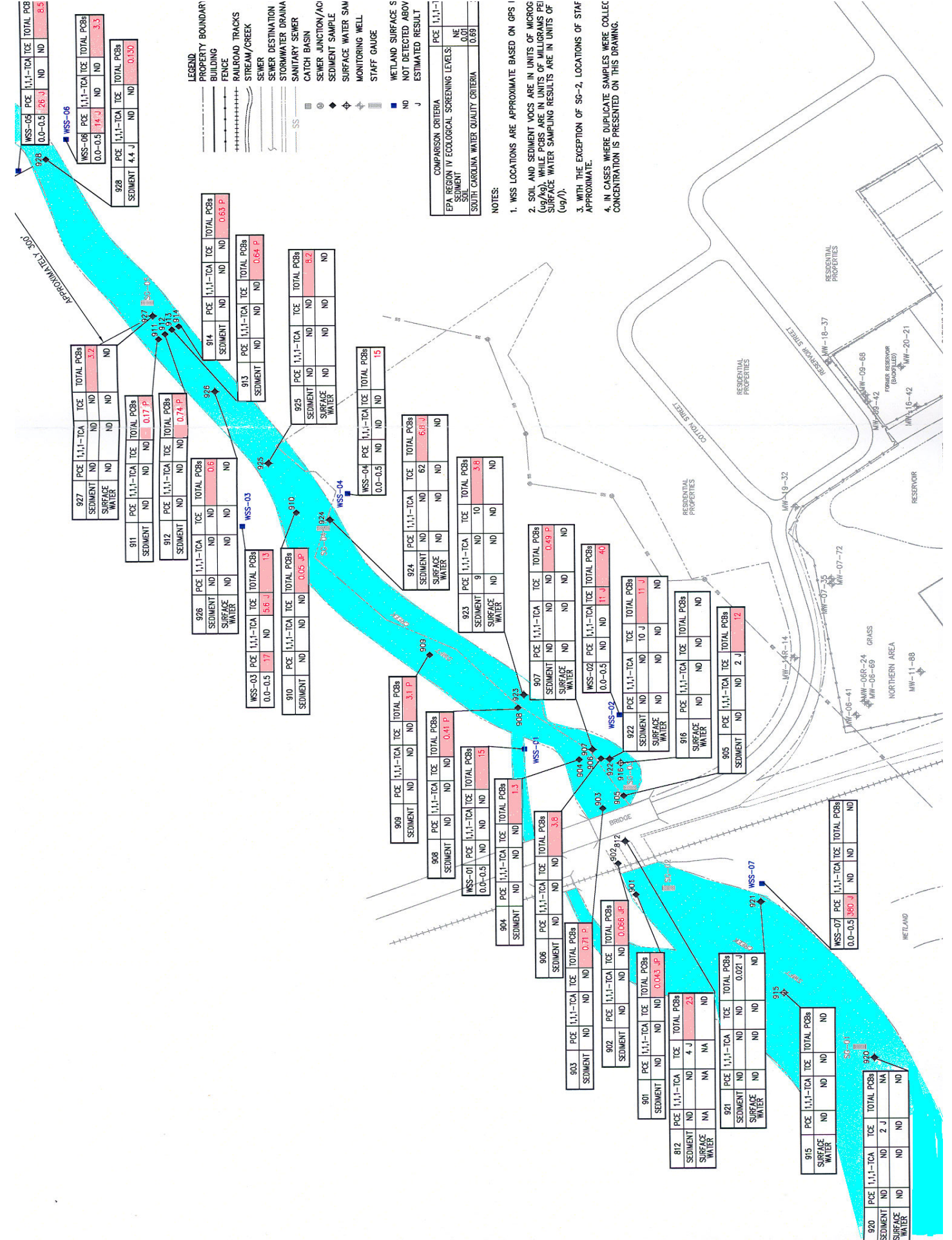
1002	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	320,000 D	1,300,000 D	110 J

1003	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	210 J	ND	3.6 J	390

827	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	6.6	1.0 J	52	770 J

829	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	14 J	2.5 J	10	200 J

830	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	3,400	4,000 D	160 J



APPROXIMATELY 200'

WSS-08	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	26 J	ND	ND	8.5

WSS-06	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	14 J	ND	ND	3.3

927	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	3.2
SURFACE WATER	ND	ND	ND	ND

911	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	0.17 P

926	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	0.6
SURFACE WATER	ND	ND	ND	0.74 P

WSS-03	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	17	ND	ND	1.3

914	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	0.63 P

913	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	0.64 P

925	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	8.2
SURFACE WATER	ND	ND	ND	ND

WSS-04	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	ND	ND	ND	15

924	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	6.0 J
SURFACE WATER	ND	ND	ND	ND

923	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	9	ND	ND	3.8
SURFACE WATER	ND	ND	ND	ND

907	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	0.49 P
SURFACE WATER	ND	ND	ND	ND

WSS-02	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	ND	ND	ND	4

922	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	11 J
SURFACE WATER	ND	ND	ND	ND

916	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	2 J
SURFACE WATER	ND	ND	ND	12

909	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	3.1 P

WSS-01	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	ND	ND	ND	15

904	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	1.3

908	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	3.8

WSS-07	PCE	1,1,1-TCA	TCE	TOTAL PCBs
0.0-0.5	380 J	ND	ND	ND

903	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	0.045 JP

902	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	2.3
SURFACE WATER	NA	NA	NA	ND

901	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	0.021 J
SURFACE WATER	ND	ND	ND	ND

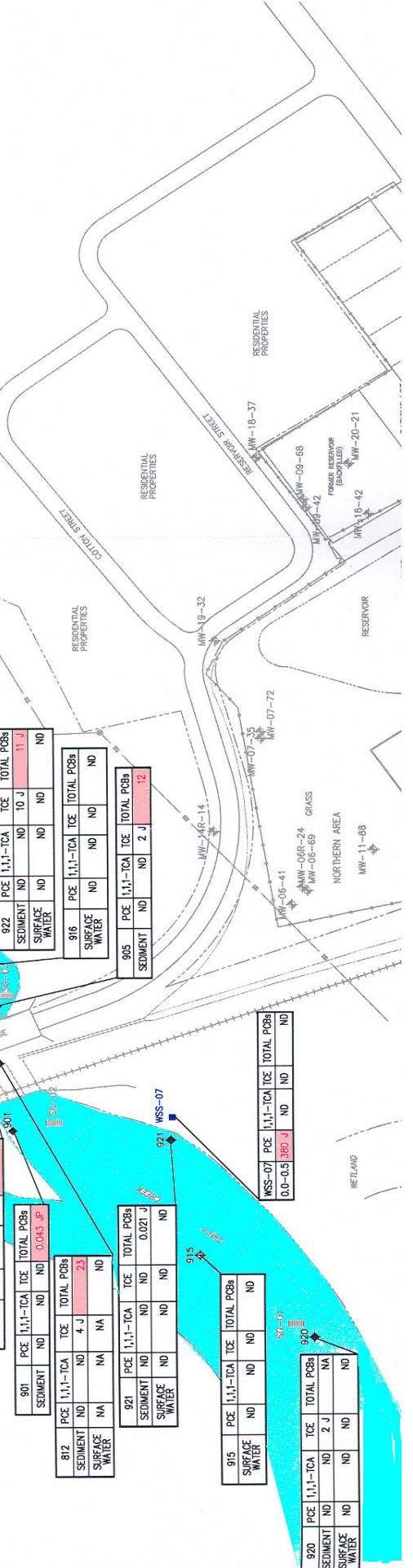
915	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	ND
SURFACE WATER	ND	ND	ND	ND

920	PCE	1,1,1-TCA	TCE	TOTAL PCBs
SEDIMENT	ND	ND	ND	ND
SURFACE WATER	ND	ND	ND	ND

- LEGEND**
- PROPERTY BOUNDARY
 - BUILDING
 - FENCE
 - RAILROAD TRACKS
 - STREAM/CREEK
 - SEWER
 - SEWER DESTINATION
 - STORMWATER DRAIN
 - SANITARY SEWER
 - CATCH BASIN
 - SEWER JUNCTION/ACC
 - SEDIMENT SAMPLE
 - SURFACE WATER SAM
 - MONITORING WELL
 - STAFF GAUGE
 - WETLAND SURFACE S
 - NOT DETECTED ABOVE
 - ESTIMATED RESULT

COMPARISON CRITERIA	PCE	1,1,1-TCA	TCE	ESTIMATED RESULT
EPA REGION IV ECOLOGICAL SCREENING LEVELS:	NE	ND	ND	0.01
SOIL	ND	ND	ND	0.69
SOUTH CAROLINA WATER QUALITY CRITERIA	ND	ND	ND	0.69

- NOTES:**
1. WSS LOCATIONS ARE APPROXIMATE BASED ON GPS
 2. SOIL AND SEDIMENT VOCS ARE IN UNITS OF MICROG (ug/Kg) AND SURFACE WATER VOCS ARE IN UNITS OF MILLIGRAMS PER SURFACE WATER SAMPLING RESULTS ARE IN UNITS OF (ug/l).
 3. WITH THE EXCEPTION OF SG-2, LOCATIONS OF STAFF APPROXIMATE.
 4. IN CASES WHERE DUPLICATE SAMPLES WERE COLLECTED CONCENTRATION IS PRESENTED ON THIS DRAWING.



MW-06R-24
MW-06-69

603	PCE	1,1,1-TCA	TCE
0.5-1.0	2 J	8 J	99
1.5-2.0	ND	ND	34
7.5-8.0	ND	ND	39

606	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	ND	7 J
1.5-2.0	ND	ND	4 J
8.5-9.0	ND	ND	13

NORTHERN AREA

605	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	ND	110
1.5-2.0	ND	3 J	126
2.5-3.0	ND	ND	5 J

602	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	ND	10 J
1.5-2.0	ND	ND	7 J
8.0-8.5	ND	ND	ND

601	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	13	59
1.5-2.0	ND	8 J	238
8.0-8.5	ND	ND	4 J

504	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	210 J	13,000
1.5-2.0	230 J	460 J	42,000 D
4.0-4.5	ND	1,700 J	230,000
6.0-6.5	ND	3,100 J	470,000

806	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	38 J	1,000
1.5-2.0	ND	ND	8,700

805	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	16 J	6,300 D
1.5-2.0	ND	ND	39,000

814	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	52 J	740
1.5-2.0	ND	360 J	28,000

809	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	2 J	260
1.5-2.0	ND	7 J	250 D

813	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	11 J	920
1.5-2.0	ND	5 J	420

506	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	2 J	83
1.5-2.0	ND	3 J	110
3.0-3.5	6 J	ND	160

508	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	310 J	29,000 D
1.5-2.0	ND	ND	15
3.0-3.5	ND	ND	ND

504B	PCE	1,1,1-TCA	TCE
8.0-8.5	ND	33 J	810
19.5-20.0	ND	2.8 J	68

510	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	3,400 J	380,000

507	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	390	16,000 D
1.5-2.0	ND	4 J	130
3.0-3.5	ND	ND	18

509	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	ND	5 J
1.5-2.0	ND	ND	9 J
3.0-3.5	ND	ND	2 J

511	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	ND	3,200

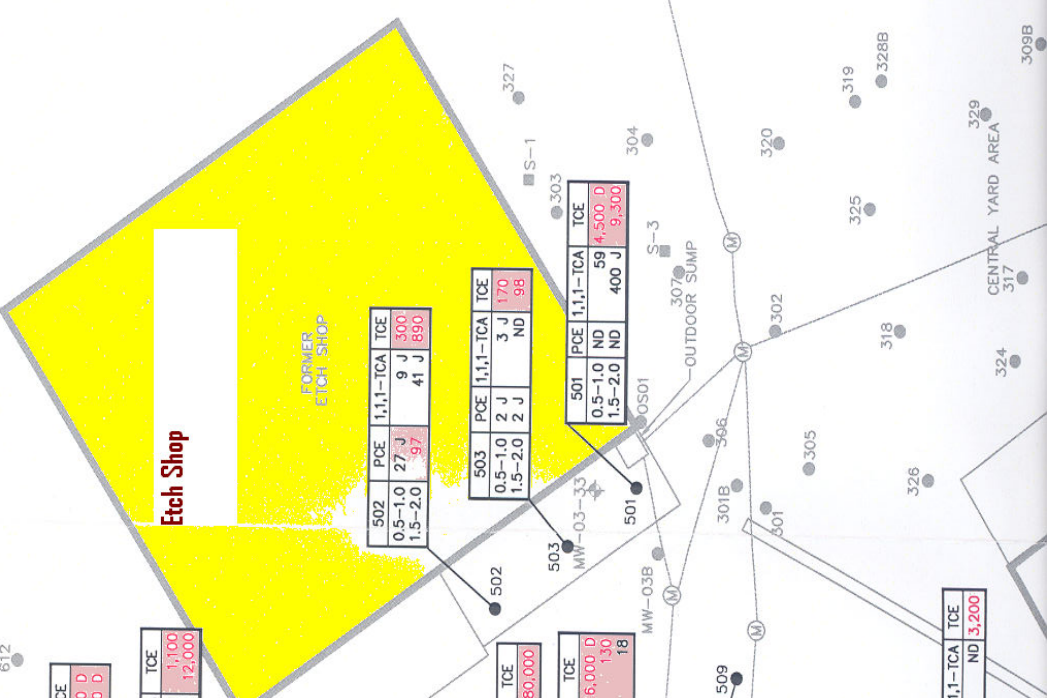
505	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	150	1,100
1.5-2.0	ND	1,200 J	12,000

604	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	50	410 D
1.5-2.0	ND	45	240 D

502	PCE	1,1,1-TCA	TCE
0.5-1.0	27 J	9 J	300
1.5-2.0	97	41 J	850

503	PCE	1,1,1-TCA	TCE
0.5-1.0	2 J	3 J	170
1.5-2.0	2 J	ND	98

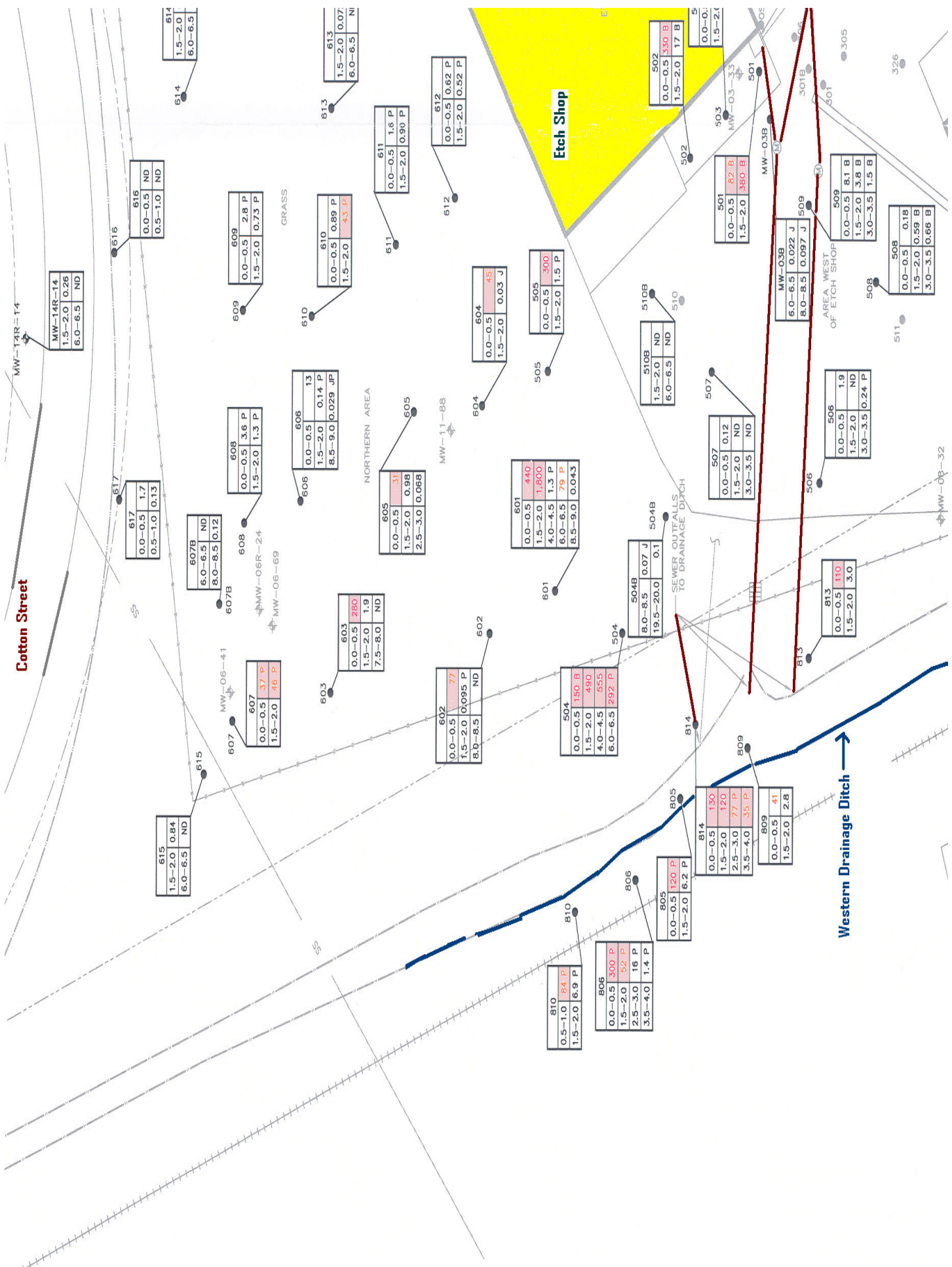
501	PCE	1,1,1-TCA	TCE
0.5-1.0	ND	59	4,500 D
1.5-2.0	ND	400 J	9,300



Cotton Street

Etch Shop

Western Drainage Ditch



How May I Come in Contact With Chemicals from the Site?

- Wade in Swift Creek east of bridge adjacent to the site (sediment only)
- Walk in drainage ditch between fence and railroad tracks
- Enter the fenced-in area
- Sample a monitoring well inside fenced area

How will we respond?

- First Step is Removal
 - Buildings
 - Storm Sewer
 - Drainage Ditch
- Removal to be Performed by WSP

How will we respond?

- Next: Look at choices for groundwater and soil clean-up
- Continue evaluation of extent of problem in Swift Creek and look at choices for clean-up

Removal of Onsite Structures



- Main Building
- Former Etch Shop
- Other Structures
 - Water Tower
 - Pump House
 - Aboveground Tank
 - Onsite Storage Sheds
- Reservoir

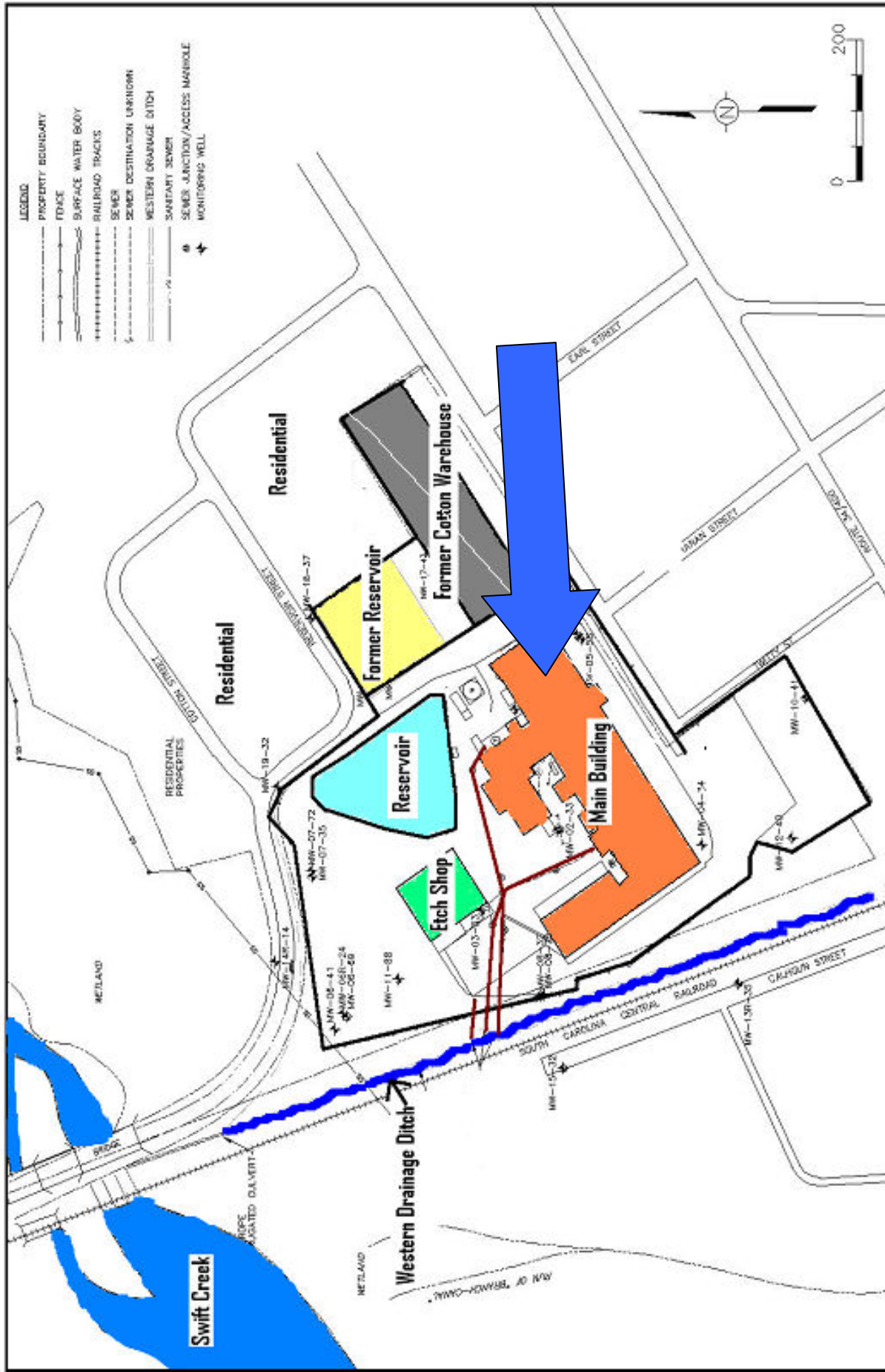
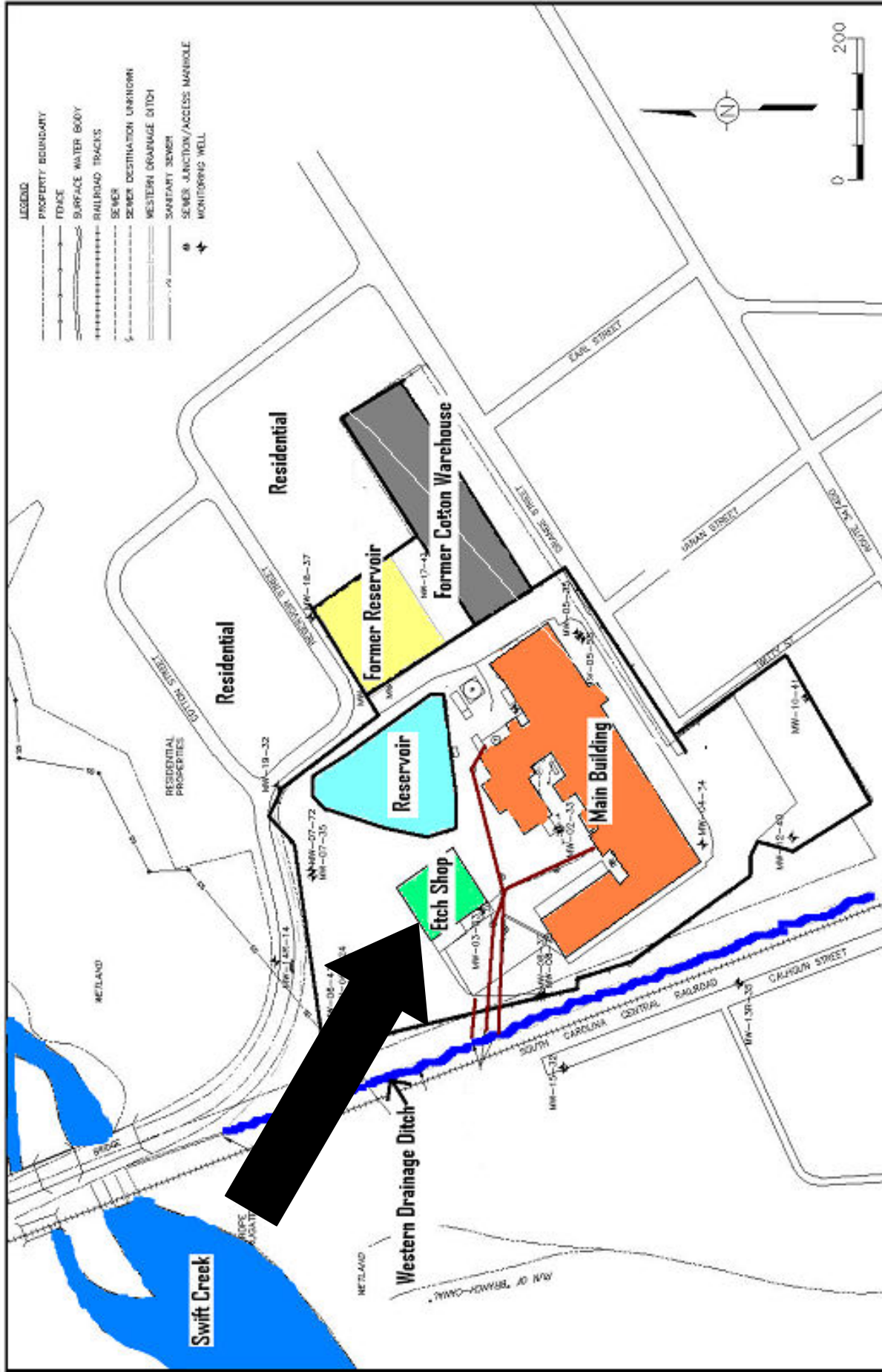
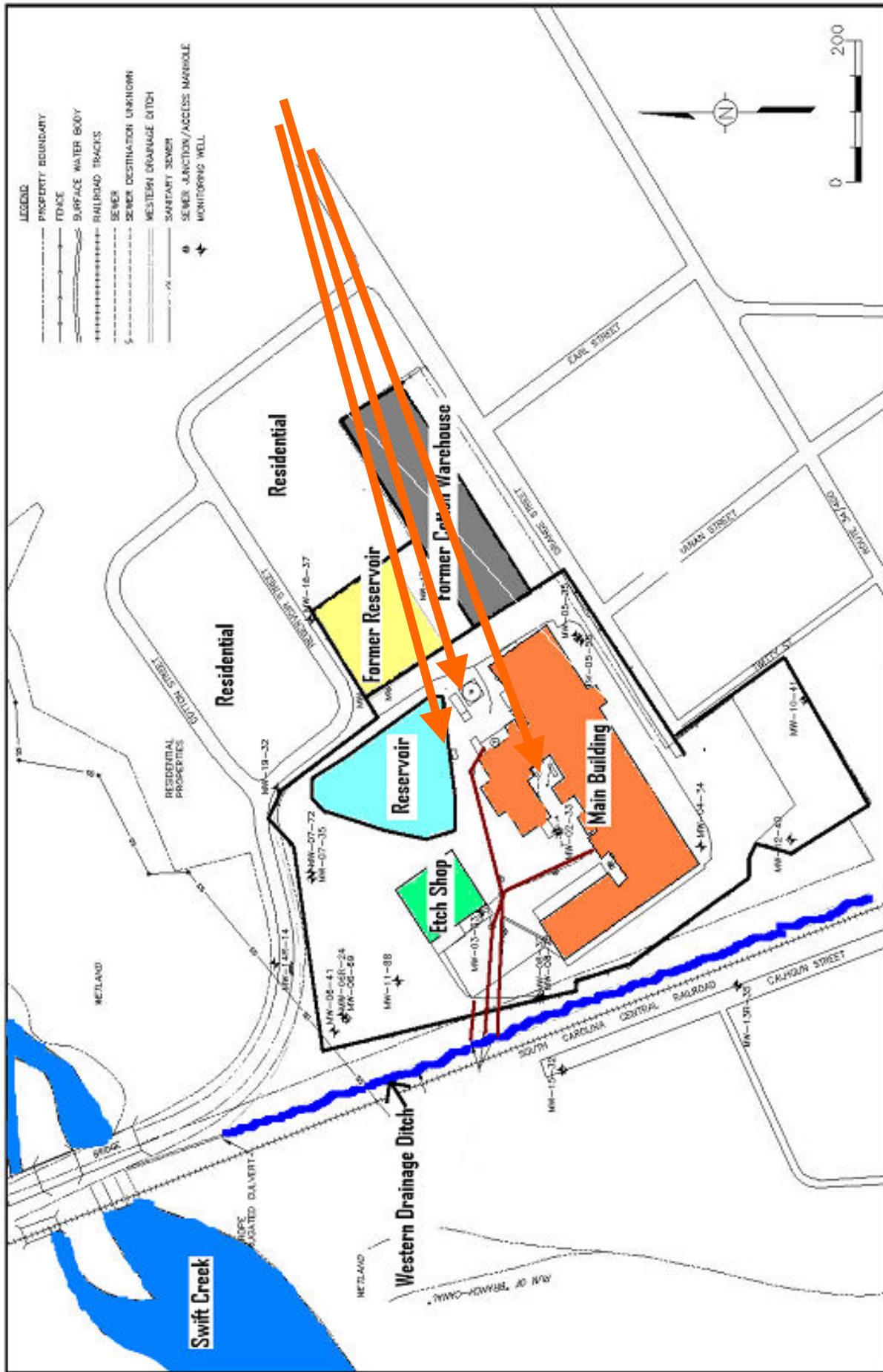


Figure 2
Site Layout
Former Nytronics Components Group, Inc. Site
Darlington, South Carolina

WSP ENVIRONMENT & ENERGY
 11190 SUNSHINE VALLEY DRIVE SITE 300
 RESTON, VIRGINIA 20191
 (703) 709-6500







WSP ENVIRONMENT & ENERGY
 11190 SUNRISE VALLEY DRIVE, SUITE 300
 RESTON, VIRGINIA 20191
 (703) 709-6500



19795688.DWG

Storm Water Sewer System



Removal of storm water piping and sumps
that are connected to the western
drainage ditch

Storm Water Sewer System



- Sumps and Pits
- Disposal

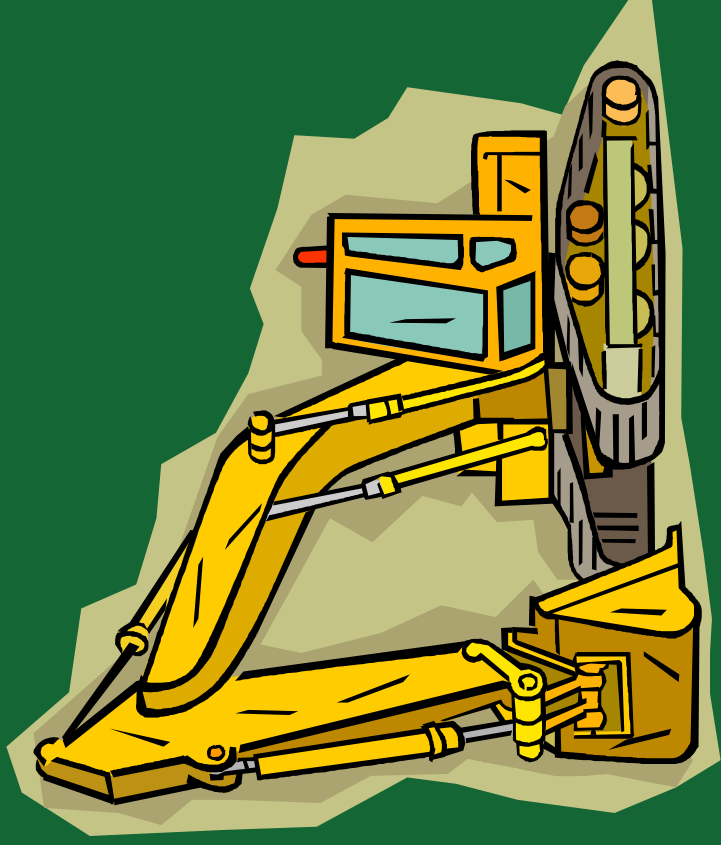
Western Drainage Ditch

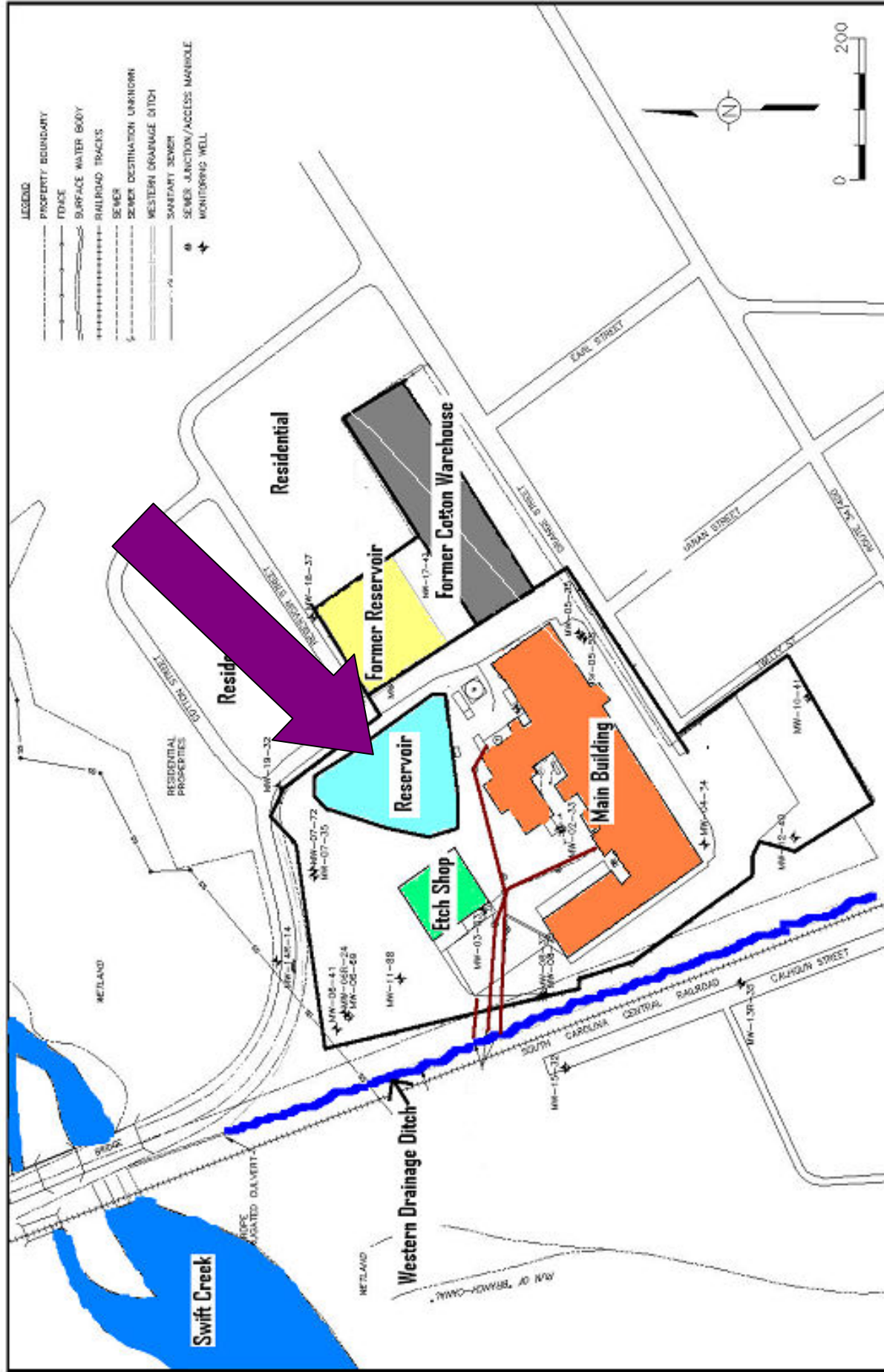
- Clearing
- Survey
- Sampling
- Excavation



Western Drainage Ditch

- Verify
- Restoration
- Seeding
- Disposal





1975688 DWG



South Carolina Department of Health and Environmental Control

Documents Available for Review

SC DHEC
Bureau of Land & Waste
Management

Stern Business Center

8911 Farrow Road
Columbia, SC 29203
P: 803-896-3817

Darlington County
Public Library

204 North Main Street
Darlington, SC 29532
P: 843-398-4940



Contact Information

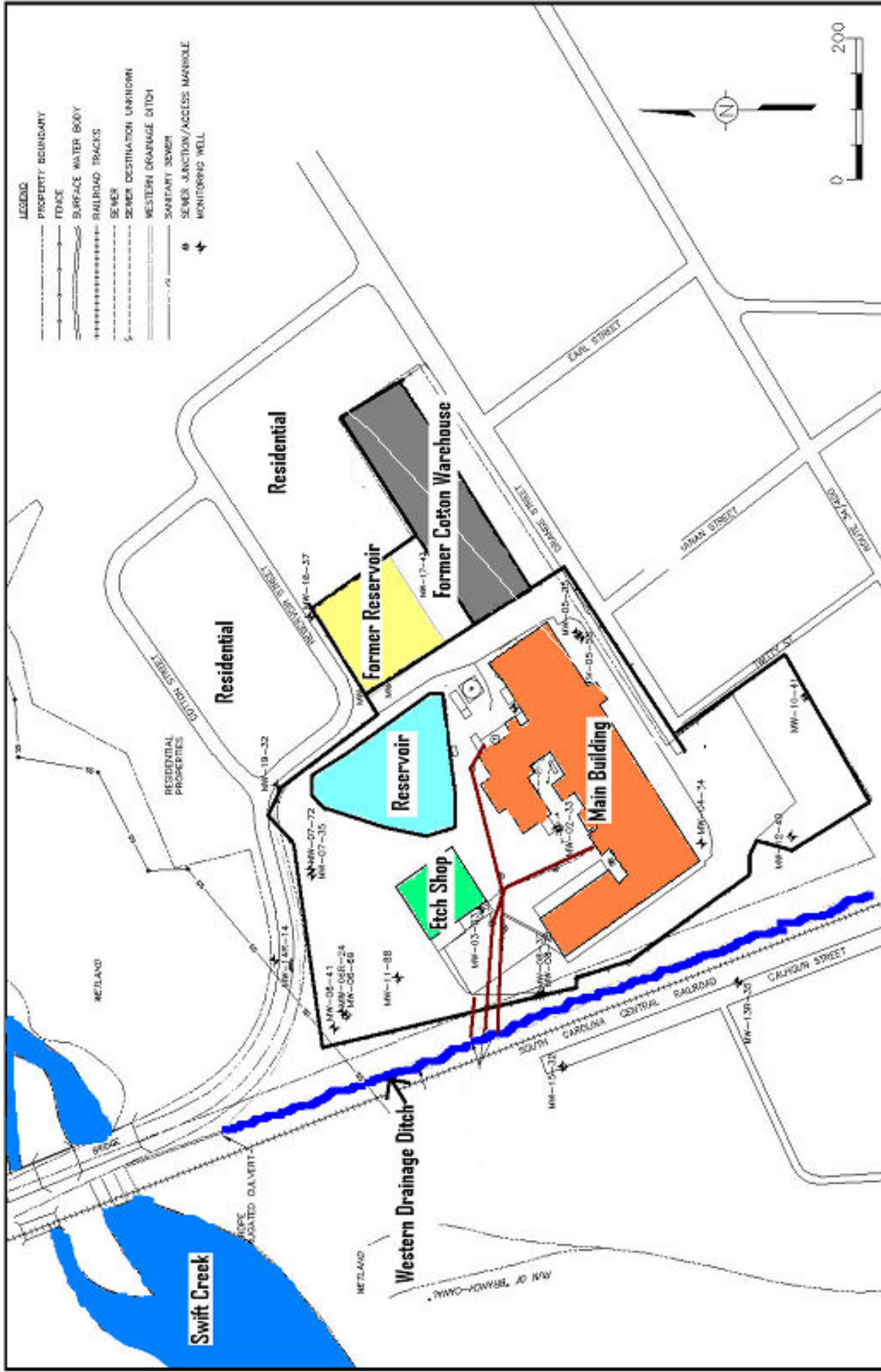
- Judy Canova, Project Manager
(803) 896-4046
- Keisha Long, Project Engineer
(803) 896-4872
- Buck Graham: Local Office
(843) 661-4825



South Carolina Department of Health and Environmental Control

Questions





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