

LEGEND

- B-1
B-1A ELEVATION & LOCATION OF
EXISTING MONITORING WELLS 10/14/88
- SW-1 APPROXIMATE LOCATION OF
EXISTING SURFACE WATER SAMPLES
- MARSH
- LANDFILL PERIMETER
- PROPOSED DIRECTION OF DRAINAGE
- WOODS LINE
- APPROXIMATE AREA WHERE
FINAL COVER IS NEEDED
- FENCE
- EXISTING CREEK
- PROPOSED SWALE
- SURVEY BASELINE
- TEST PIT LOCATION 1991

SCALE IN FEET
0 100 200 400

BENCH MARK: P.K. POLE 4, ELEVATION 130.43
BASED ON USGS DATUM, MSL=0.00'

SOURCE: TRACED AND ENLARGED FROM AERIAL
PHOTOGRAPHS (5433-17-27, 5433-17-29), 4/3/86
JAMES W SEWALL CO., OLD TOWN, MAINE

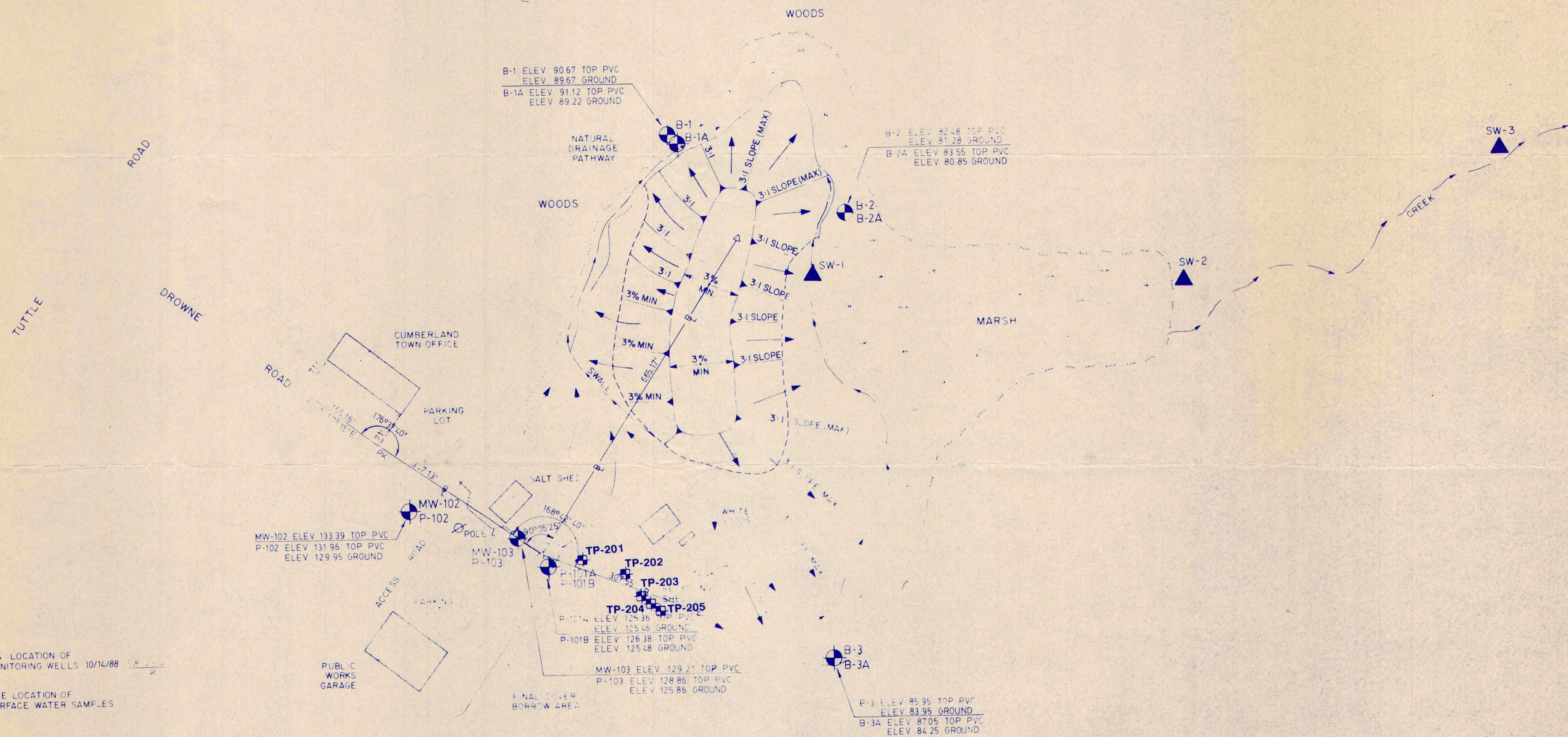
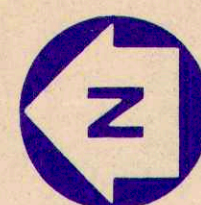
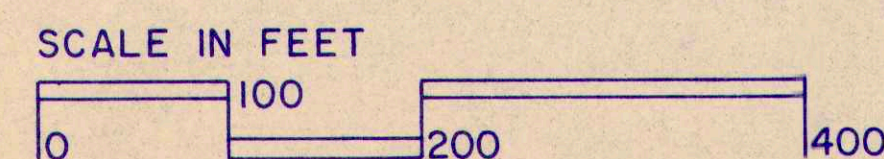


FIGURE 1
DROWNE ROAD LANDFILL
CUMBERLAND, MAINE
E.C.JORDAN CO.



LEGEND

- B-1
B-1A APPROXIMATE LOCATION OF
EXISTING MONITORING WELLS
- SW-1 APPROXIMATE LOCATION OF
EXISTING SURFACE WATER SAMPLES
- MARSH
- FENCE
- WOODS LINE
- EXISTING CREEK
- INTERIM DISPOSAL AREA



SOURCE: TRACED AND ENLARGED FROM AERIAL
PHOTOGRAPHS (5433-17-27, 5433-17-29), 4/3/86
JAMES W. SEWALL CO., OLD TOWN, MAINE

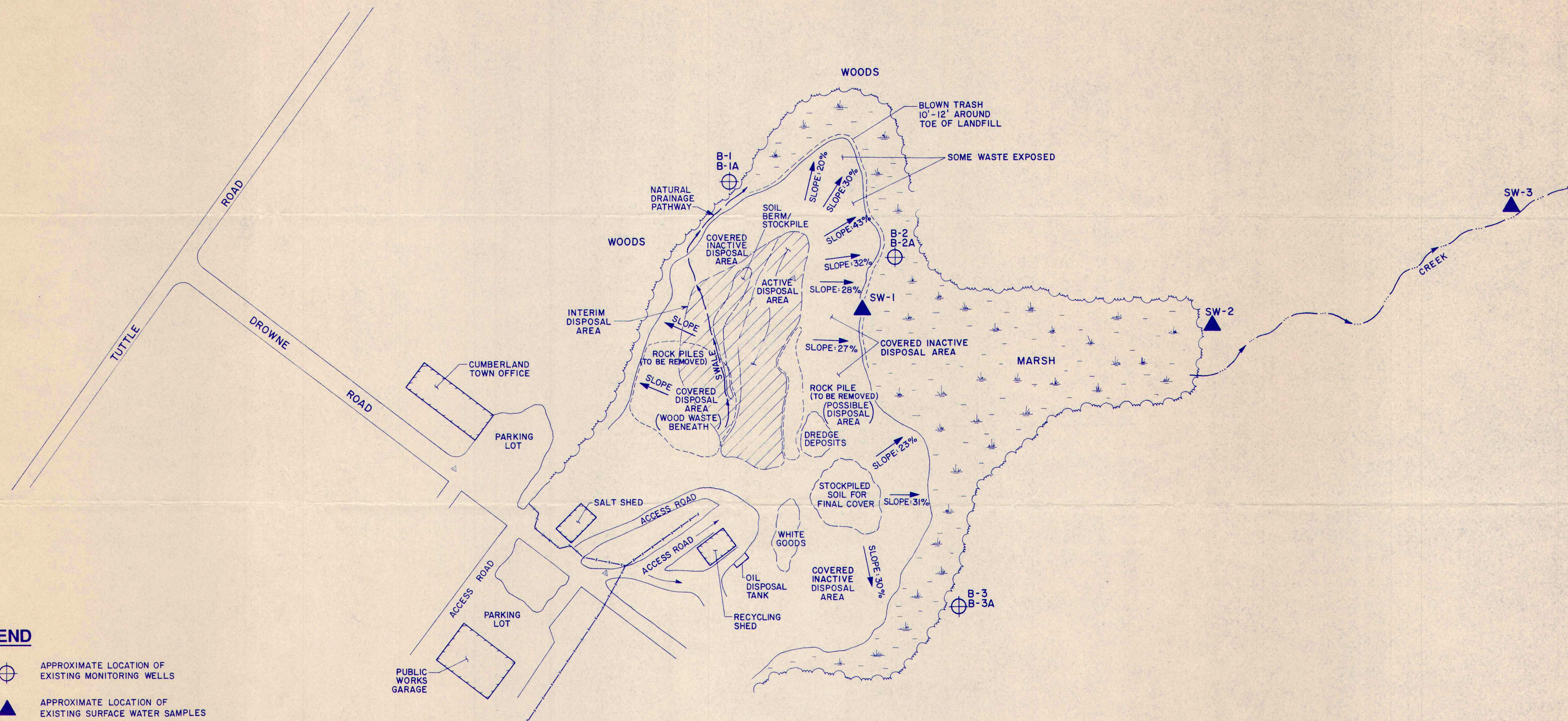


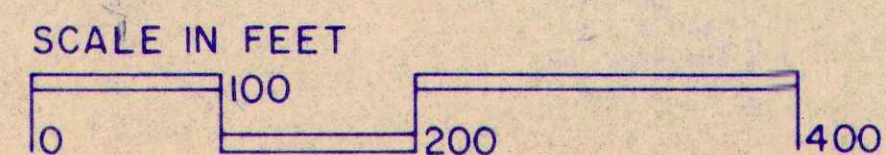
FIGURE 2
EXISTING SITE CONDITIONS
DROWNE ROAD LANDFILL
CUMBERLAND, MAINE
E.C. JORDAN CO.



LEGEND

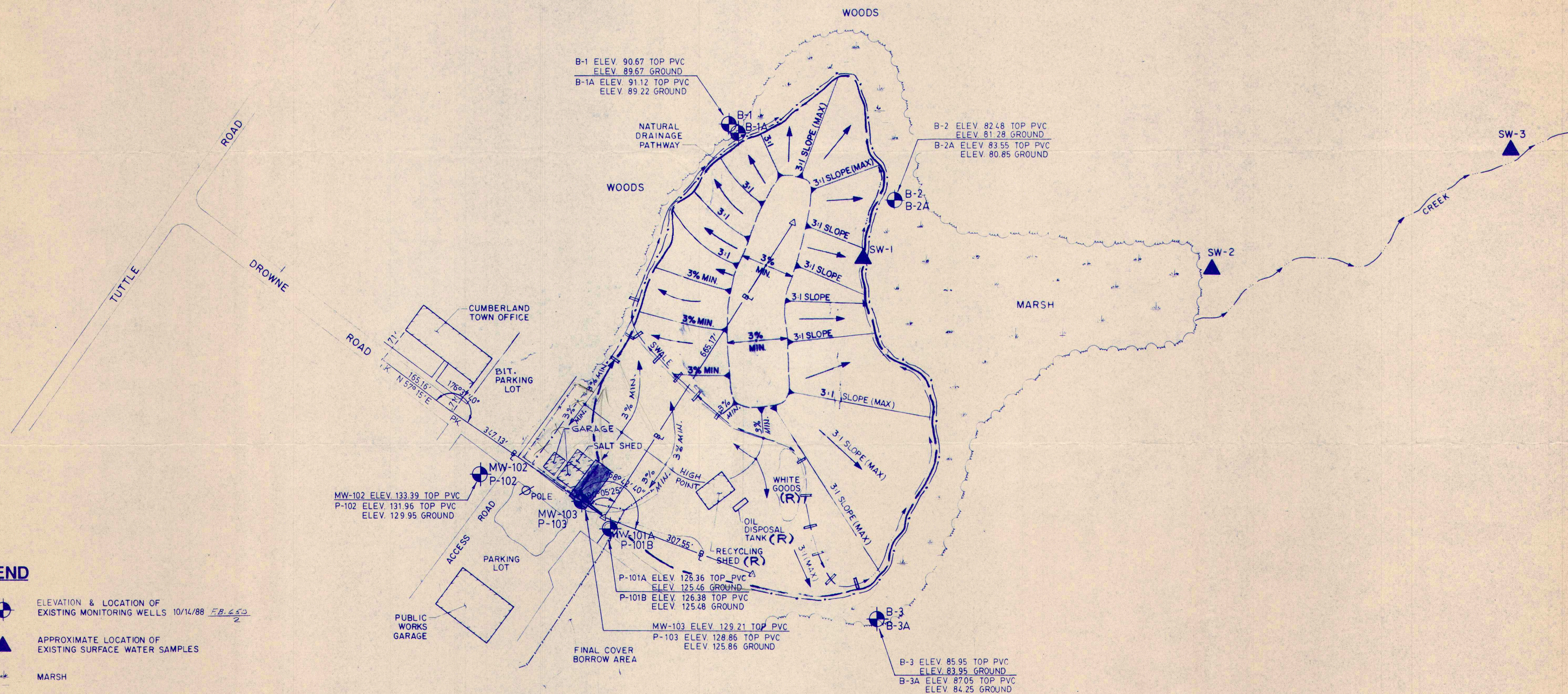
- B-1
B-1A ELEVATION & LOCATION OF EXISTING MONITORING WELLS 10/14/88 F.B. 650 2
- SW-1 APPROXIMATE LOCATION OF EXISTING SURFACE WATER SAMPLES
- MARSH
- LANDFILL PERIMETER
- PROPOSED DIRECTION OF DRAINAGE
- WOODS LINE
- APPROXIMATE AREA WHERE FINAL COVER IS NEEDED
- FENCE
- EXISTING CREEK
- PROPOSED SWALE
- SURVEY BASELINE
- (R) TO BE REMOVED

- PROPOSED 2 1/2" BIT CONC. PVC MT.
- PROPOSED SILT FENCING
- PROPOSED STONE CHECK DAM EXACT SPACING TO BE DETERMINED BY TOWN'S RESIDENT REPRESENTATIVE



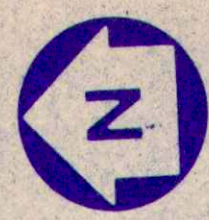
BENCH MARK: P.K. POLE 4, ELEVATION 130.43
BASED ON USGS DATUM, M.S.L. = 0.00'

SOURCE: TRACED AND ENLARGED FROM AERIAL
PHOTOGRAPHS (5433-17-27, 5433-17-29), 4/3/86
JAMES W. SEWALL CO., OLD TOWN, MAINE



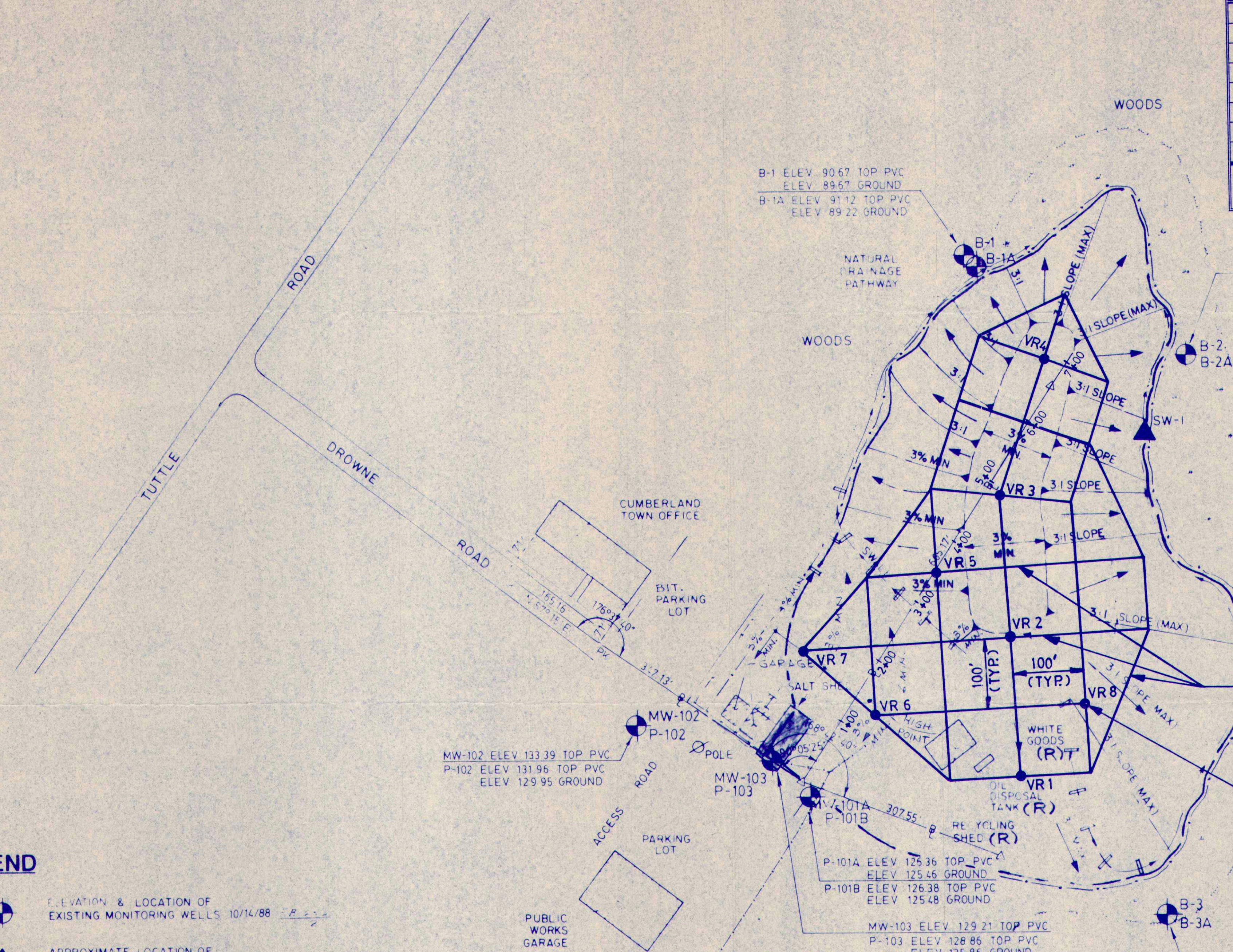
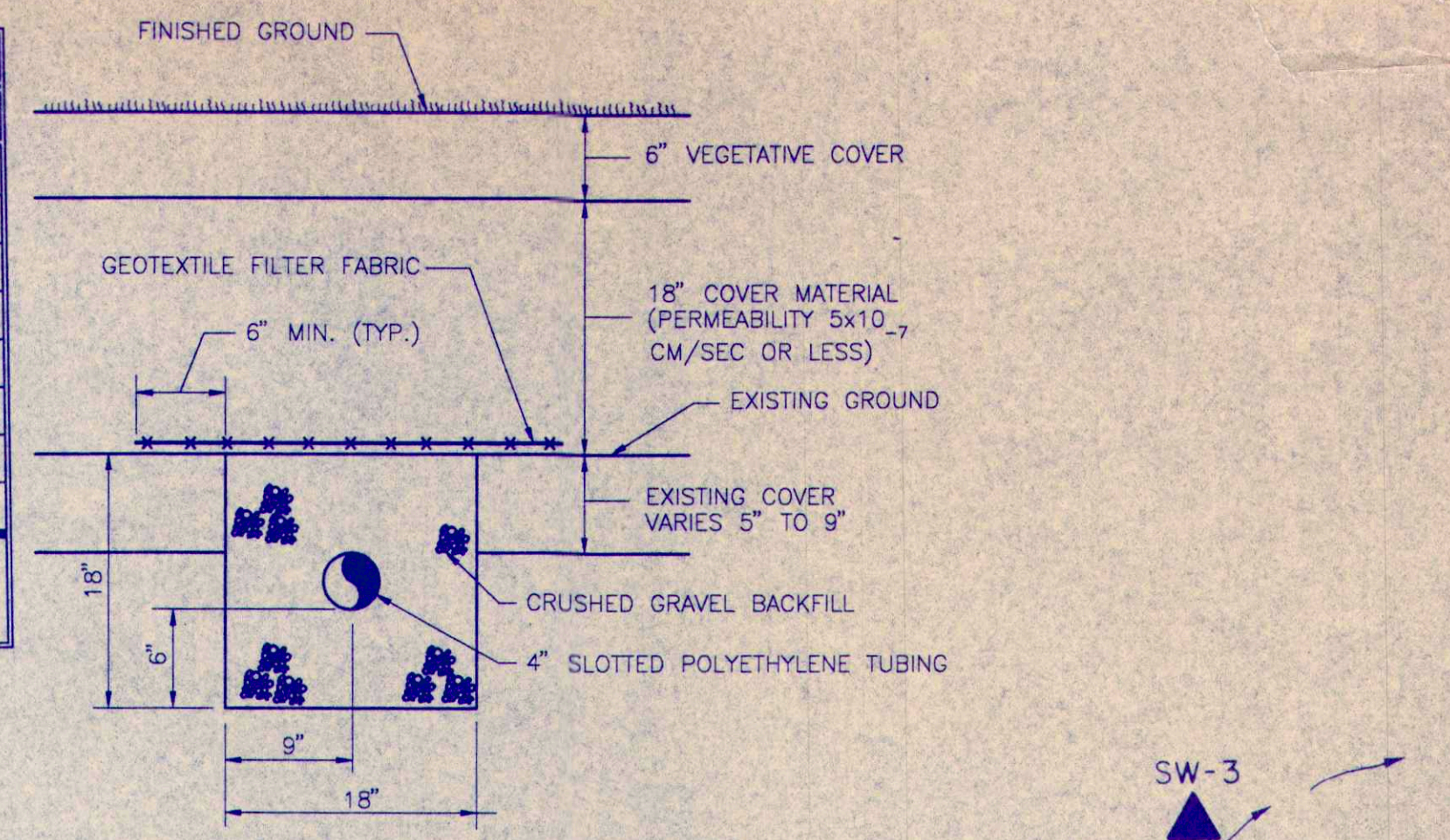
REVISED FIGURE 3
DROWNE ROAD LANDFILL
CUMBERLAND, MAINE
E.C. JORDAN CO.

MAY, 1991



GAS VENTILATION RISER PIPE SCHEDULE		
RISER	STATION	OFFSET
VR1	1+73	260' RT.
VR2	3+34	141' RT.
VR3	4+95	22' RT.
VR4	6+89	28' LT.
VR5	3+55	1' RT.
VR6	1+94	120' RT.
VR7	2+15	20' LT.
VR8	3+13	281' RT.

*NOTE: ACTUAL LOCATIONS TO BE FIELD ESTABLISHED CLOSE TO HIGH POINTS IN TOPOGRAPHY.



APPROX. NETWORK OF GAS VENTILATION PIPING. ACTUAL LOCATIONS TO BE FIELD ESTABLISHED CLOSE TO HIGH POINTS IN TOPOGRAPHY-SEE INSTALLATION DETAIL.

GAS VENTILATION RISER PIPE (TYPICAL) SEE-DETAIL

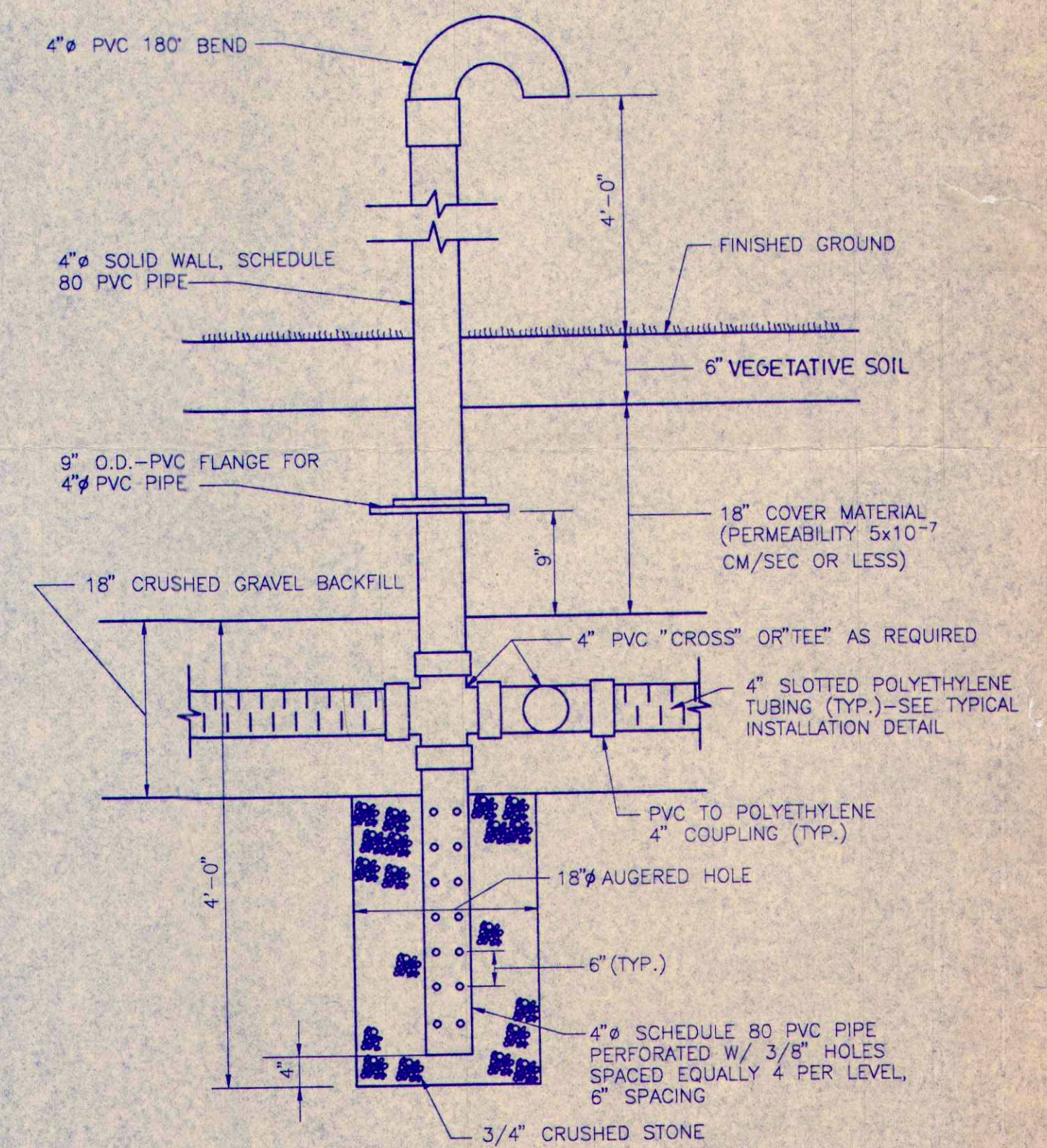
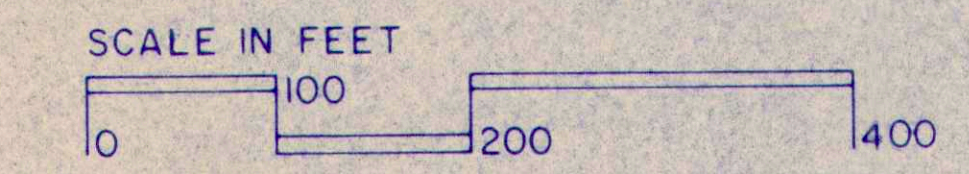
LEGEND

- B-1, B-1A: ELEVATION & LOCATION OF EXISTING MONITORING WELLS 10/14/88
- SW-1: APPROXIMATE LOCATION OF EXISTING SURFACE WATER SAMPLES
- Marsh: MARSH
- Landfill Perimeter: LANDFILL PERIMETER
- Proposed Direction of Drainage: PROPOSED DIRECTION OF DRAINAGE
- Woods Line: WOODS LINE
- Approximate Area Where Final Cover is Needed: APPROXIMATE AREA WHERE FINAL COVER IS NEEDED
- Fence: FENCE
- Existing Creek: EXISTING CREEK
- Proposed Swale: PROPOSED SWALE
- Survey Baseline: SURVEY BASELINE
- (R): TO BE REMOVED

- Proposed 2 1/2 inch Bit Conc. P.V.M.T.
- Proposed Silt Fencing
- Proposed Hay Bale Barrier

BENCH MARK PK. POLE 4, ELEVATION 130.43 BASED ON USGS DATUM, MSL+000'

SOURCE: TRACED AND ENLARGED FROM AERIAL PHOTOGRAPHS (5433-17-27, 5433-17-29), 4/3/86 JAMES W. SEWALL CO., OLD TOWN, MAINE



TYPICAL GAS VENTILATION RISER PIPE
N.T.S.

FIGURE 5
GAS VENTILATION SYSTEM
DROWNE ROAD LANDFILL
CUMBERLAND, MAINE
ABB Environmental Services, Inc.

MAY, 1991

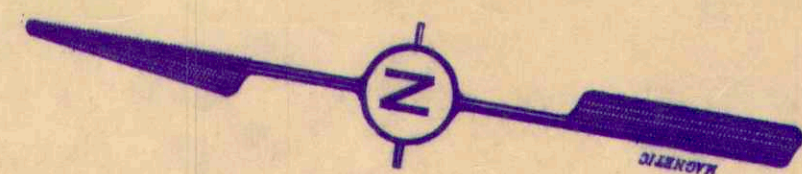


ABB ENVIRONMENTAL SERVICES, INC.
BASELINE (SEE FIGURE #5 FOR BASELINE INFO.)

BLDG RELOCATED

GRAPHIC SCALE



(IN FEET)
1 inch = 50 ft.

BENCH MARK: PK IN POLE 4, ELEV. 130.43
BASED ON USGS DATUM M.S.L. + 0.00

SQUAW BAY CORP.
Consulting Engineers



P.O. BOX 86A, CUMBERLAND CENTER, ME. 04021

CLIENT: TOWN OF CUMBERLAND
DROWNE ROAD, CUMBERLAND, ME 04021

DESIGN: PBT PBT

DRAWN: RMC RMC

CHKD: PBT PBT

JULY 1991 DATE

SCALE: 1=50

PROJECT: DROWNE ROAD LANDFILL CLOSURE

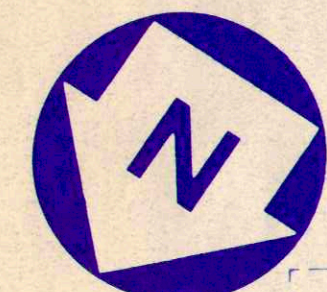
EXISTING ELEVATIONS

PROJ. NO. 91-227

DWG. NO. C-100

NO.	REFERENCE DRAWINGS	REV.	DATE	STATUS	BY	CHKD	APPD
		1/91		ISSUED FOR BID			

DROWNE ROAD
LANDFILL



RECT. SHELTER

SALT SHED
GARAGE

CUMBERLAND
TOWN OFFICE

TOWN OF CUMBERLAND
3411/338

PUBLIC WORKS
GARAGE

DROWNE ROAD

TO TUTTLE ROAD
PK. 10 S. 52° 15' W. 165.11'

IRON P.D. BEN.

TOWN OR FORMERLY
HERBERT E. GINN, ET ALS

GRAPH SCALE 1"=50'
25 50 100 150 200 FT.

AVAILABLE COVER MATERIAL CALCULATION (AVERAGE END AREA METHOD)

	AREA 0 S.F.	AVERAGE END AREA 540 S.F.	DISTANCE 50'	VOLUME (C.Y.) 1,000 C.Y.
SECTION A-A	1080 S.F.	1490 S.F.	100'	5,518 C.Y.
SECTION B-B	1900 S.F.	2400 S.F.	100'	8,889 C.Y.
SECTION C-C	2900 S.F.	3000 S.F.	94'	10,444 C.Y.
SECTION D-D	3100 S.F.	1550 S.F.	40'	2,296 C.Y.
0 S.F.				
TOTAL EXCAVATED VOLUME				28,147 C.Y.

ASSUME A LOSS OF 20% OF TOTAL EXCAVATED VOLUME FOR OVERLAYING
SAND ON COVER MATERIAL.

AVAILABLE COVER MATERIAL VOLUME = 28,147 C.Y. \times (.20 \times 28,147 C.Y.)
= 22,518 C.Y.

The 22,518 C.Y. CALCULATED AVAILABLE COVER MATERIAL IS GREATER THAN
THE ESTIMATED 22,000 C.Y. COVER MATERIAL REQUIRED.

NOW OR FORMERLY
CHRISTENSEN, ET ALS

MAINTAIN A MINIMUM
BUFFER OF 125 FEET
BETWEEN EDGE OF
WATER AND SILT FENCE

APPROXIMATE EDGE
OF EXISTING GRAVEL
PIT WATER (OBTAINED
FROM AERIAL PHOTO).

PROP.
SILT
FENCE

TOE OF EXIST.
SLOPE, LIMIT
OF EXTRACTION

DEBRIS
PILE

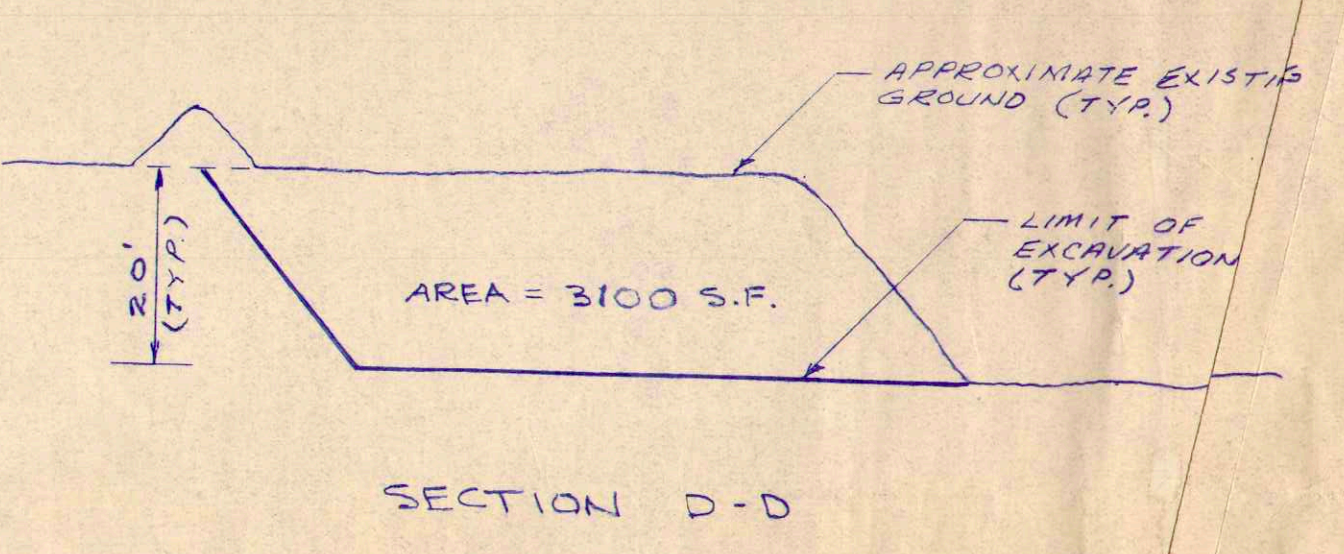
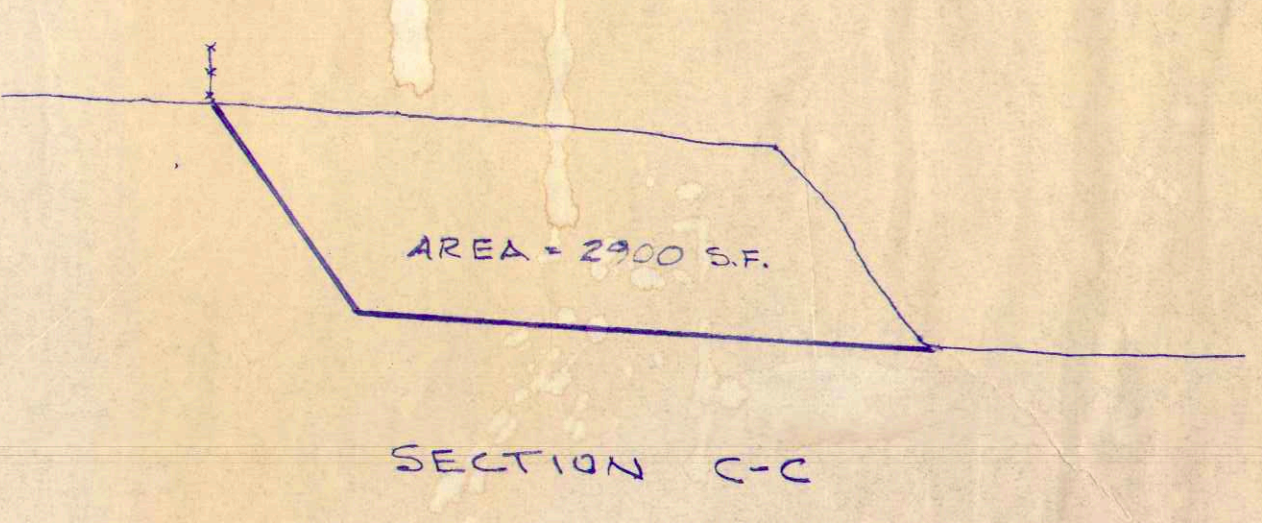
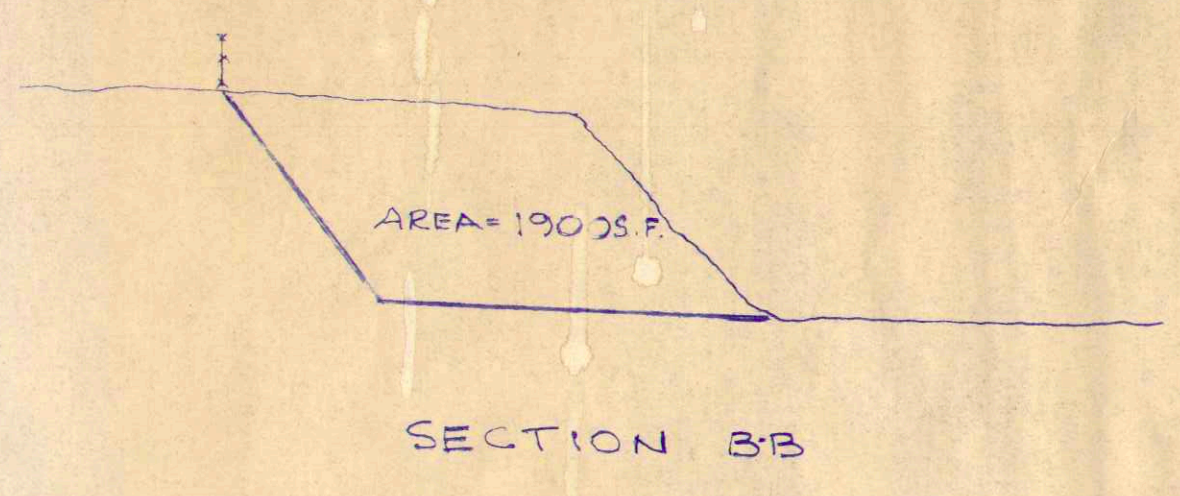
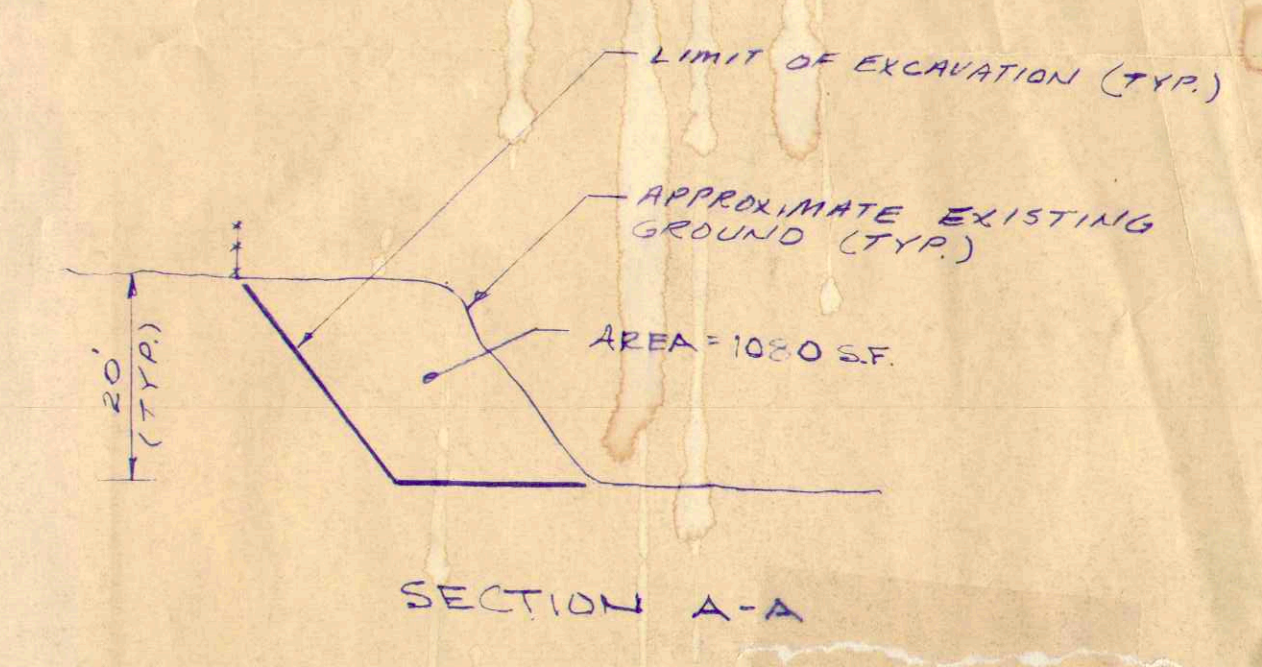
TOWN OF CUMBERLAND
3224/126

EDGE OF WOODS

DEAD 18'
ELM TREE

LIMIT OF EXCAVATION

100' BUFFER

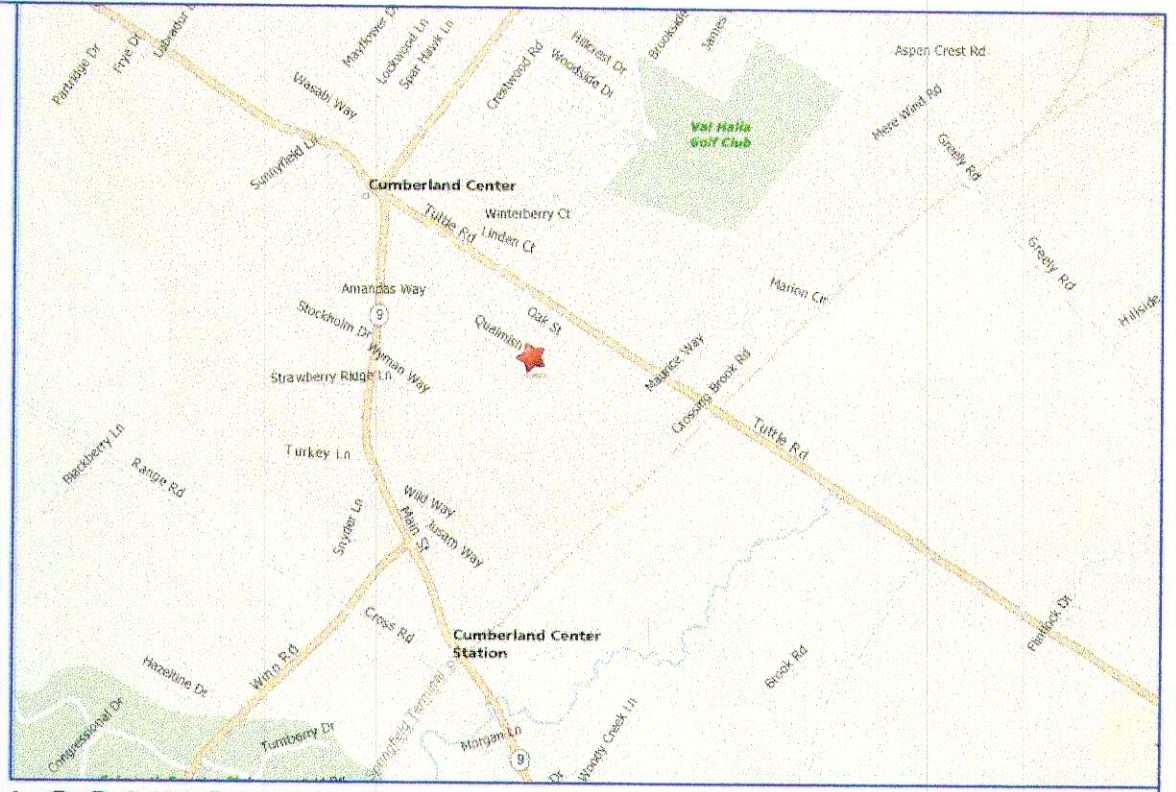
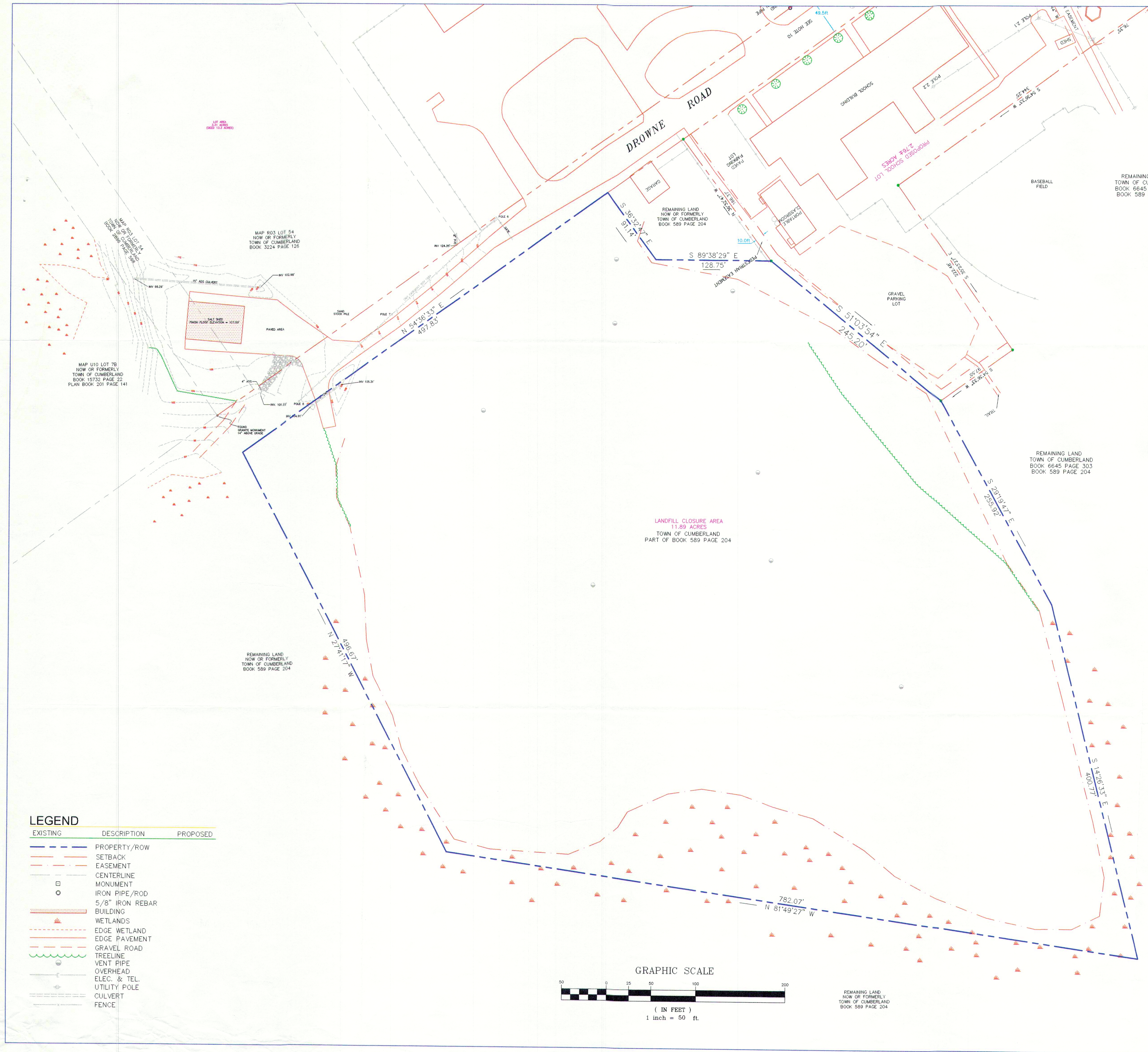


SECTIONS
SCALE: HORIZ: 1"=50'
VERT: 1"=20'

PLAN REFERENCE:

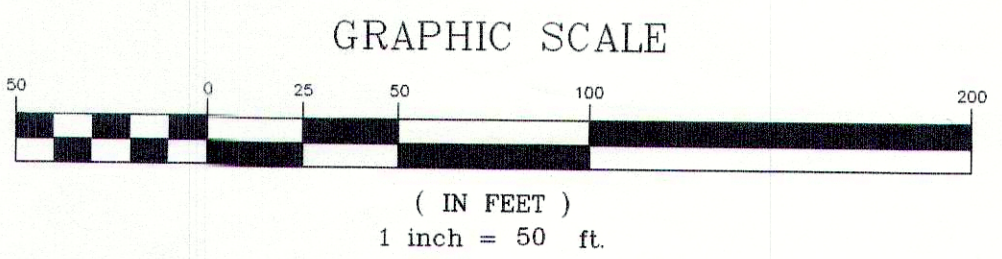
PLAN ENTITLED - TOWN OF CUMBERLAND, TOPOGRAPHY FOR
LANDFILL CLOSURE, DROWNE ROAD
LANDFILL
BY - H.T. & E.C. JORDAN CO., LAND SURVEYORS
PORTLAND, ME.
DATE: JAN. 14, 1991
PLAN FILE NO. 969

ABB ASEA BROWN BOVERI	ABB Environmental Services Inc.	TITLE DROWNE ROAD LANDFILL	
		PLAN OF COVER SOURCE AREA	
CLIENT TOWN OF CUMBERLAND		PROJ. NO. 2811-10	REV.
		DWG. NO. FIGURE-4	



LOCATION MAP N.T.S.

LEGEND		
EXISTING	DESCRIPTION	PROPOSED
	PROPERTY/ROW	
	SETBACK	
	EASEMENT	
	CENTERLINE	
	MONUMENT	
	IRON PIPE/ROD	
	5/8" IRON REBAR BUILDING	
	WETLANDS	
	EDGE WETLAND	
	EDGE PAVEMENT	
	GRAVEL ROAD	
	TREELINE	
	VENT PIPE	
	OVERHEAD	
	ELEC. & TEL.	
	UTILITY POLE	
	CULVERT	
	FENCE	



No.	Revision	Date	Scale: 1" = 50'
			Project No: 06048
			AutoCad Release: 2006
			Drawn By: HJB
			Checked By: DB
			Date: 9-28-2006

THIS PLAN IS PROVIDED EXCLUSIVELY FOR THE CLIENT STATED HEREON. ANY USE OR ALTERATION OF THIS PLAN BY OTHERS SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO BOUNDARY POINTS, LLC.

**LANDFILL CLOSURE
FOR
TOWN OF CUMBERLAND
PROPERTY LOCATED ON
DROWNE ROAD
CUMBERLAND, MAINE**

Boundary Points

PROFESSIONAL LAND SURVEYING, LLC
P.O. BOX 1023
WESTBROOK, MAINE 04098-1023
207-854-1015

1

REMAINING LAND
NOW OR FORMERLY
TOWN OF CUMBERLAND
BOOK 589 PAGE 204

REMAINING LAND
TOWN OF CUMBERLAND
BOOK 6645 PAGE 303
BOOK 589 PAGE 204

LANDFILL CLOSURE AREA
11.89 ACRES
TOWN OF CUMBERLAND
PART OF BOOK 589 PAGE 204

REMAINING LAND
NOW OR FORMERLY
TOWN OF CUMBERLAND
BOOK 589 PAGE 204

REMAINING LAND
TOWN OF CUMBERLAND
BOOK 6645 PAGE 303
BOOK 589 PAGE 204

REMAINING LAND
NOW OR FORMERLY
TOWN OF CUMBERLAND
BOOK 589 PAGE 204

MAP R03 LOT 54
NOW OR FORMERLY
TOWN OF CUMBERLAND
BOOK 3224 PAGE 125

MAP U10 LOT 78
NOW OR FORMERLY
TOWN OF CUMBERLAND
BOOK 15732 PAGE 22
PLAN BOOK 201 PAGE 141

LOT 100
1000' (1.23 ACRES)