

REMOVAL ACTION PLAN

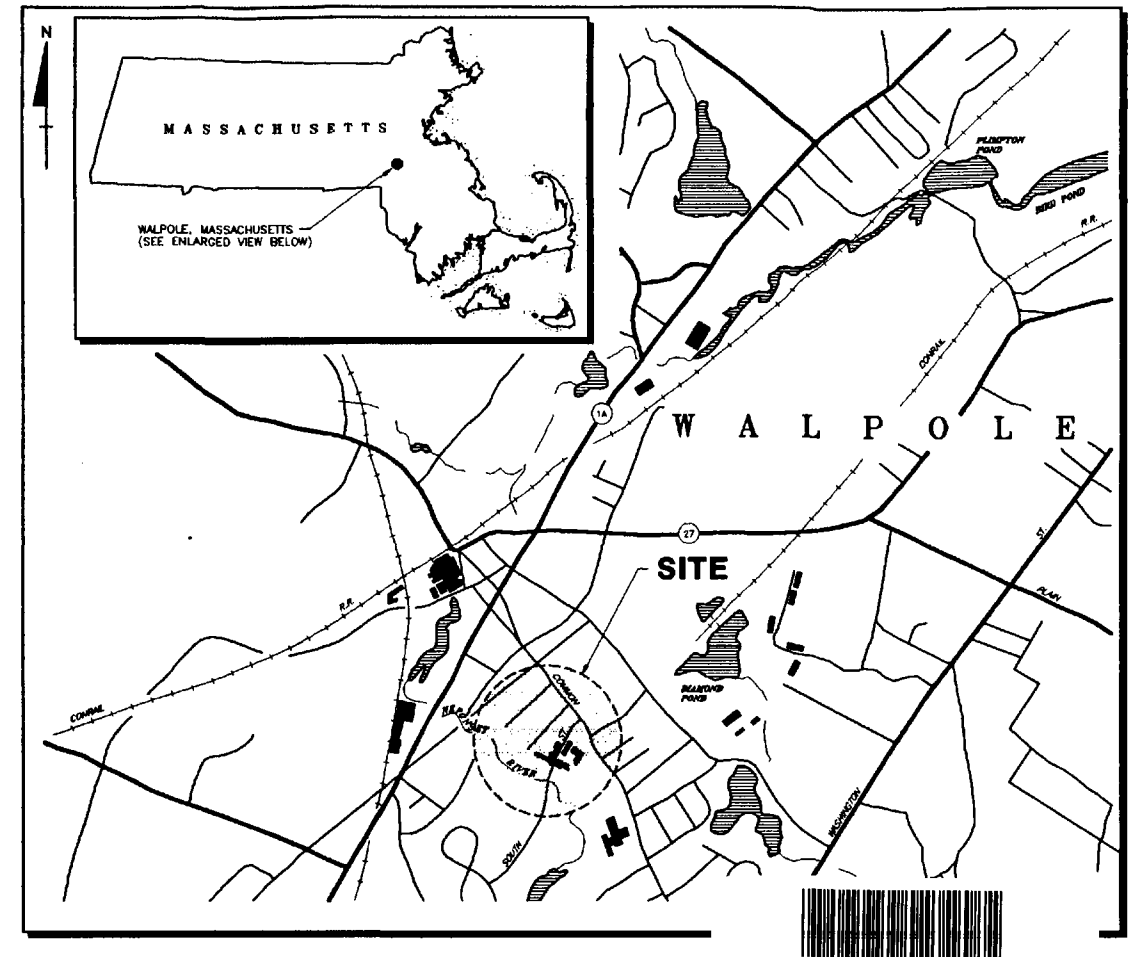
SOUTH STREET SITE, WALPOLE, MASSACHUSETTS

PREPARED FOR

SOUTH STREET SITE PRPs

DRAWING LIST

SHEET	TITLE	DRAWING	SHEET	TITLE	DRAWING
SHEET 1	TITLE SHEET	89-223-E47	SHEET 14	PROPOSED PIPE ARCH CULVERT TYPICAL CULVERT CROSS-SECTION AND DETAILS	89-223-E48
SHEET 2	SITE PLAN	89-223-E68	SHEET 15	COSMEC BUILDING/RAILROAD EASEMENT EXCAVATION PLAN	89-223-E49
SHEET 3	EXISTING SITE TOPOGRAPHY ON-FACILITY AREAS	89-223-E71	SHEET 16	LOT 1235-3 EXCAVATION PLAN	89-223-E50
SHEET 4	SUPPORT AND EXCLUSION ZONES AND PROPOSED AIR MONITORING STATION LOCATIONS	89-223-E65	SHEET 17	GLEASON COURT (LOT 1232-2) EXCAVATION PLAN	89-223-E51
SHEET 5	SITE CLEARING AND DEMOLITION PLAN	89-223-E63	SHEET 18	VACANT LOT (LOT 1232-1A) EXCAVATION PLAN	89-223-E53
SHEET 6	PROPOSED SANITARY SEWER AND EASEMENT	89-223-E40	SHEET 19	ORLANDO PROPERTY (LOTS 1245-8 AND 1245-9) EXCAVATION PLAN AND PROPOSED AIR MONITORING STATION LOCATIONS	89-223-E54
SHEET 7	UTILITY RELOCATION PLAN AND STORM DRAIN PROFILE	89-223-E52	SHEET 20	EASTERN ON-FACILITY AREA EXCAVATION PLAN	89-223-E59
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SHEET 9	RIVER DIVERSION PLAN	89-223-E78	SHEET 22	TRANSPORTATION ROUTE MAP	89-223-E69
SHEET 10	PLAN OF DAM AND CROSS SECTION B-B'	89-223-E83	SHEET 23	ON-FACILITY COVER PLAN	89-223-E82
SHEET 11	CROSS SECTIONS, DETAILS, AND PLAN OF DAM	89-223-E79	SHEET 24	UTILITY RELOCATION PLAN OF WESTERN ON-FACILITY STORM DRAIN STATION 0+00 TO STATION 3+08	89-223-E120
SHEET 12	BRIDGE ABUTMENT DETAILS	89-223-E146			
SHEET 13	PROPOSED PIPE ARCH CULVERT ALIGNMENT	89-223-E45			



SITE VICINITY MAP
NOT TO SCALE

SDMS DocID 288415

REMOVAL
RECORD
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TITLE SHEET
SOUTH STREET SITE, WALPOLE, MA
PREPARED FOR
SOUTH STREET SITE
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CanonieEnvironmental

7-16-92	ISSUED FOR AGENCY REVIEW	DRE	KAP	
2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP	
1-29-92	ISSUED FOR REVIEW	DRE	KAP	
1-21-92	ISSUED FOR REVIEW	MAM	KAP	
11-27-91	ISSUED FOR CLIENT REVIEW	MAM	KAP	
No.	DATE	ISSUE / REVISION	OWN. BY	CK'D BY

DATE: 10-15-91	SHEET 1	DRAWING NUMBER 89-223-E47
SCALE: NONE		

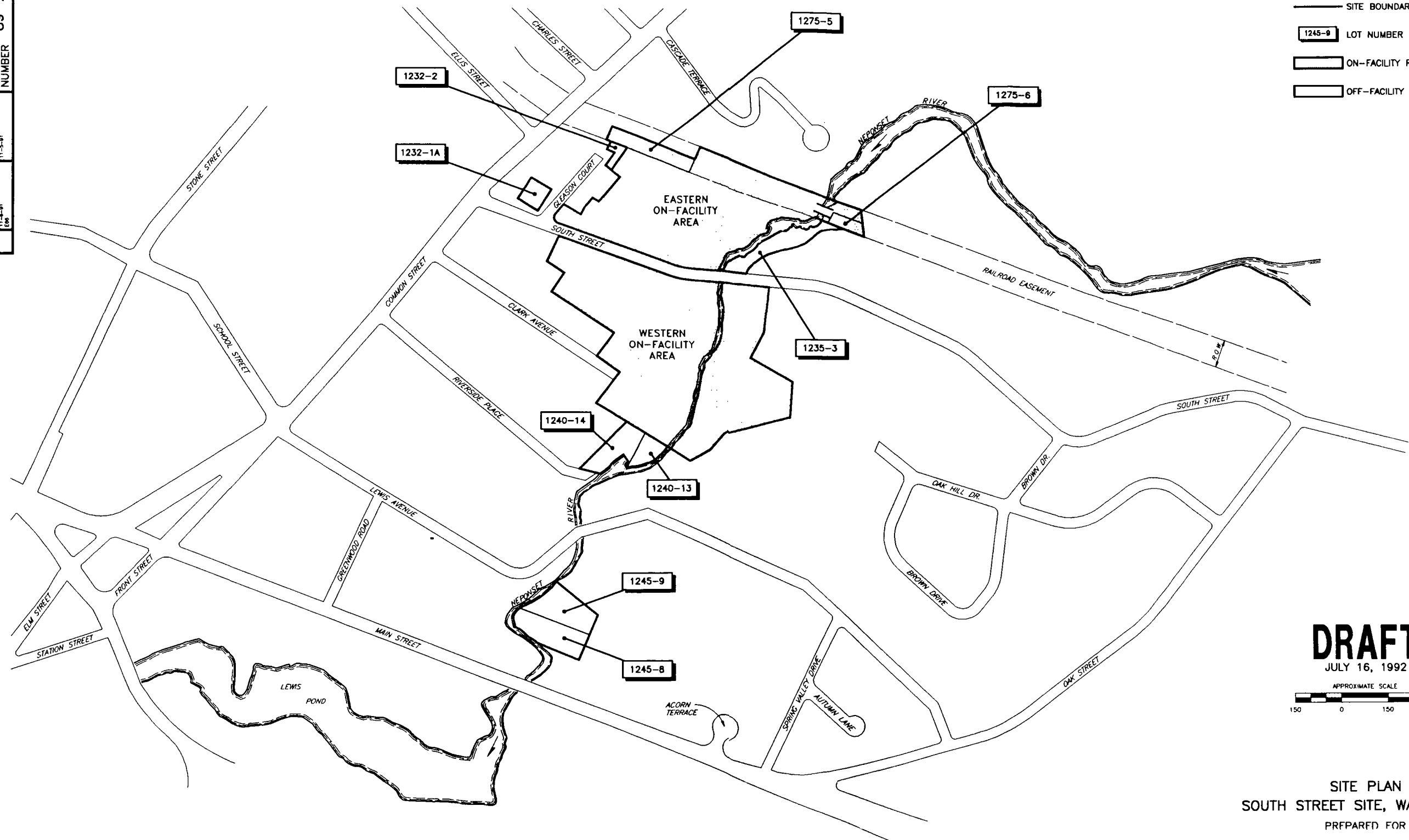
DRAWING NUMBER 89-223-E68

89-223-E68
11-6-91
11-6-91
E68
E68

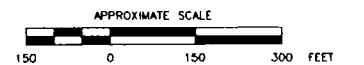


LEGEND:

- DIRECTION OF FLOW
- SITE BOUNDARY
- 1245-9 LOT NUMBER
- ON-FACILITY REMOVAL AREA
- OFF-FACILITY REMOVAL AREA



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SITE PLAN
SOUTH STREET SITE, WALPOLE, MA
PREPARED FOR
SOUTH STREET SITE
PRPs

CanonieEnvironmental

7-16-92	ISSUED FOR AGENCY REVIEW	DRE	KAP	
2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP	
1-29-92	ISSUED FOR REVIEW	GWB	KAP	
1-21-92	ISSUED FOR REVIEW	DRE	KAP	
11-27-91	ISSUED FOR CLIENT REVIEW	WAM	KAP	
No.	DATE	ISSUE / REVISION	DWN BY	CK'D BY
			AP'D BY	

REFERENCES:
- "SITE PLAN", DAMES & MOORE,
WALPOLE, MASSACHUSETTS.
- TAX ASSESSOR'S MAP

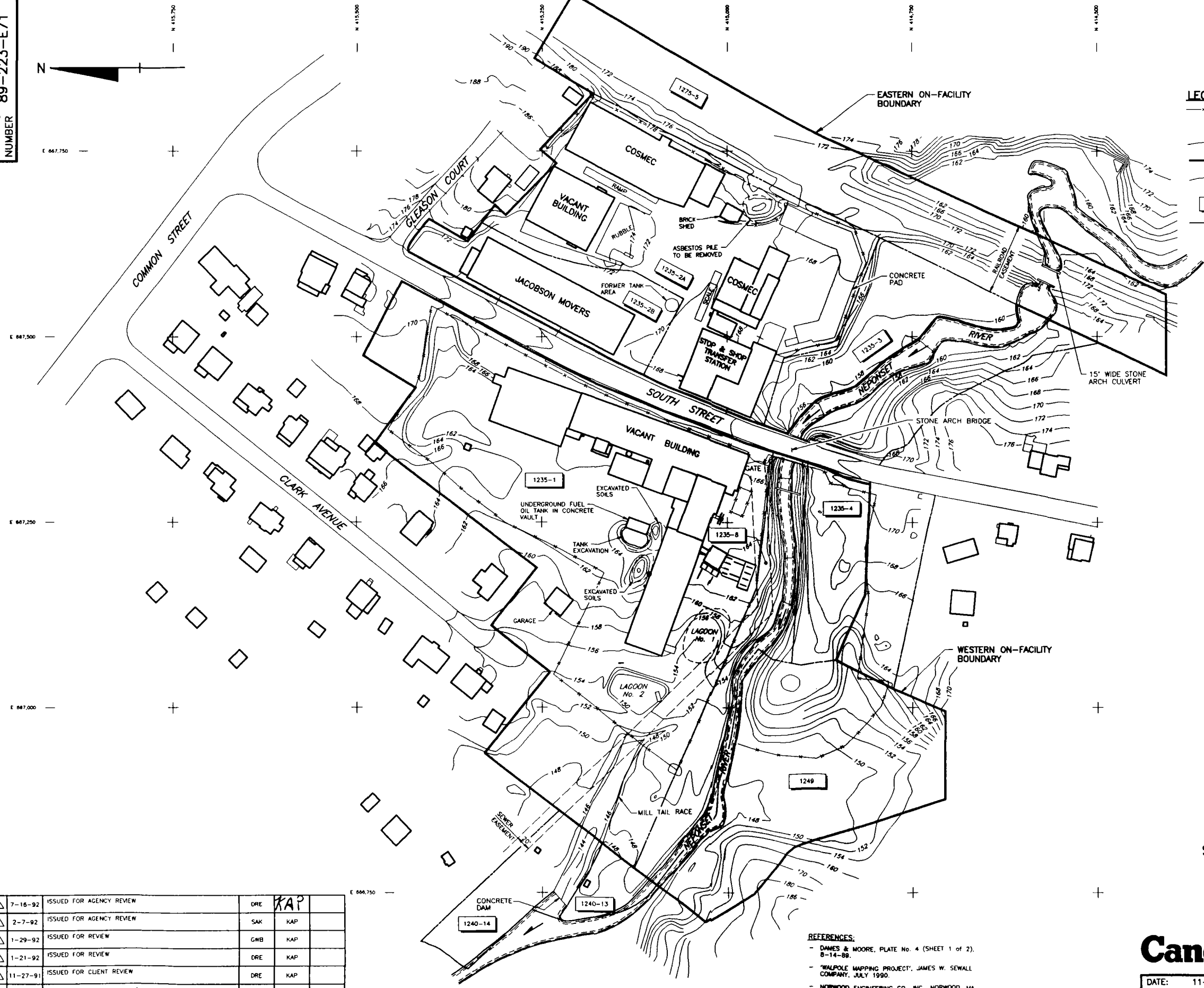
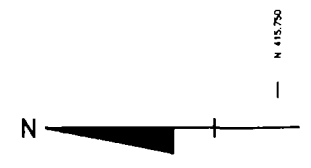
89-223-E68
11-6-91
89-223-E68
11-9-91

DATE: 11-6-91
SCALE: AS SHOWN

SHEET 2

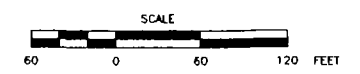
DRAWING NUMBER
89-223-E68

DRAWING NUMBER
89-223-E71



- LEGEND:**
- FENCE
 - DIRECTION OF FLOW
 - DITCH OR CREEK
 - ON-FACILITY BOUNDARY
 - TOPOGRAPHIC CONTOUR (FEET, MSL)
CONTOUR INTERVAL 2 FEET
 - LOT NUMBER
 - PROPERTY LINE

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EXISTING SITE TOPOGRAPHY
ON-FACILITY AREAS
SOUTH STREET SITE, WALPOLE, MA
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PRPs**

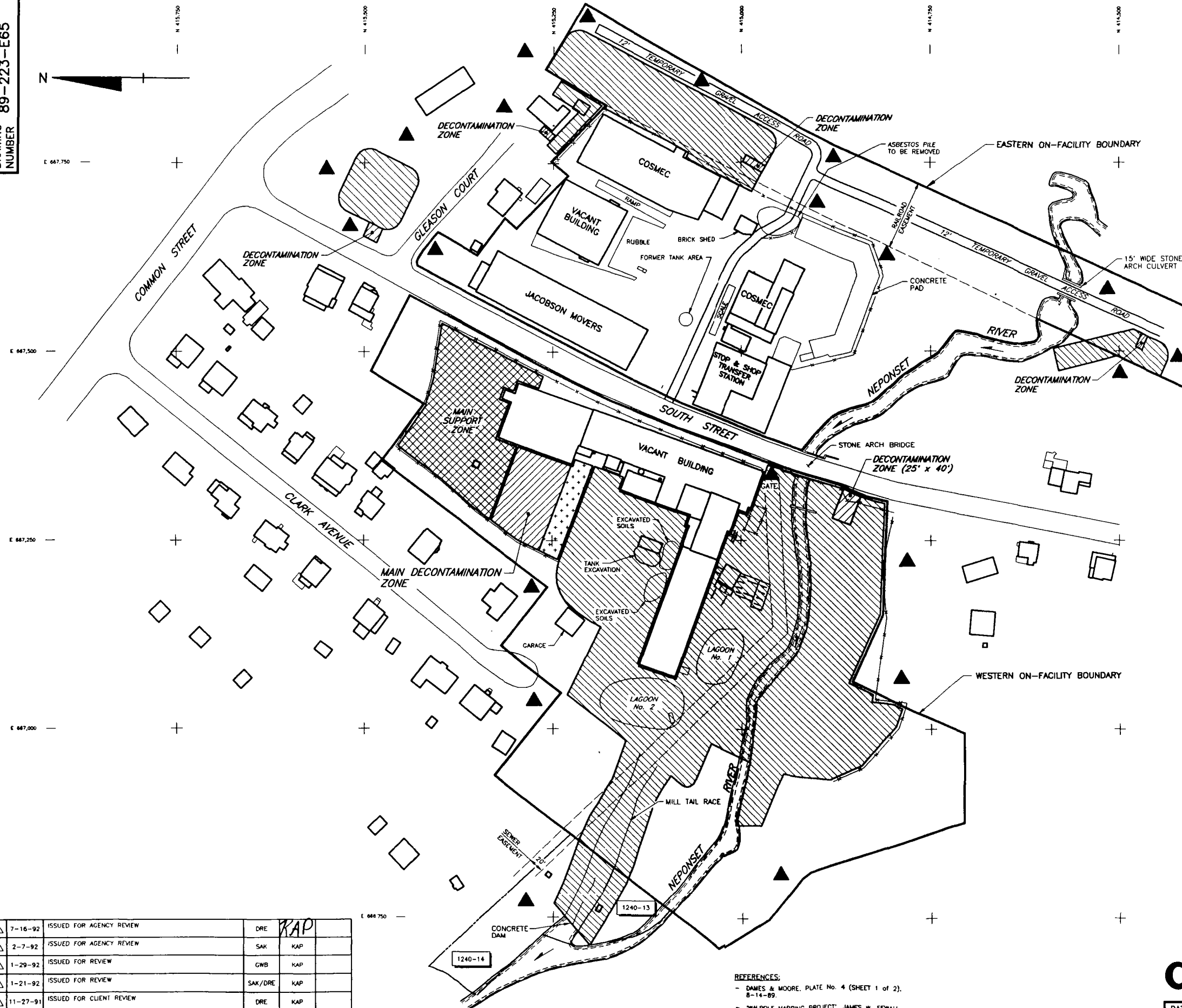
Canonie Environmental

7-16-92	ISSUED FOR AGENCY REVIEW	DRE	KAP	
2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP	
1-29-92	ISSUED FOR REVIEW	GWB	KAP	
1-21-92	ISSUED FOR REVIEW	DRE	KAP	
11-27-91	ISSUED FOR CLIENT REVIEW	DRE	KAP	
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY

- REFERENCES:**
- DAMES & MOORE, PLATE No. 4 (SHEET 1 of 2), 8-14-89.
 - 'WALPOLE MAPPING PROJECT', JAMES W. SEWALL COMPANY, JULY 1990.
 - NORWOOD ENGINEERING CO., INC., NORWOOD, MA, PLAN OF LAND, DWG. No. 398201W2, DATED 11-26-91.

DATE: 11-8-91	SHEET 3	DRAWING NUMBER 89-223-E71
SCALE: AS SHOWN		

DRAWING NUMBER 89-223-E65



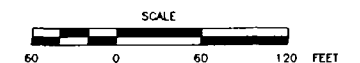
LEGEND:

- x—x— FENCE
- DIRECTION OF FLOW
- - - DITCH OR CREEK
- ON-FACILITY BOUNDARY
- PROPERTY LINE
- 1240-14 LOT NUMBER
- [Hatched Box] EXCLUSION ZONE
- [Cross-hatched Box] DECONTAMINATION ZONE
- [Dotted Box] SUPPORT ZONE
- [Star-dotted Box] CONTAMINATION REDUCTION ZONE
- ▲ PROPOSED AIR MONITORING STATION (SEE NOTE 1)

NOTES:

1. FOR PROPOSED AIR MONITORING STATION LOCATIONS AT ORLANDO PROPERTY (LOTS 1245-8 AND 1245-9) SEE DWG. 89-223-E54.

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SUPPORT AND EXCLUSION ZONES
AND PROPOSED AIR MONITORING
STATION LOCATIONS
SOUTH STREET SITE, WALPOLE, MA
PREPARED FOR
SOUTH STREET SITE
PRPs

Canonie Environmental

7-16-92	ISSUED FOR AGENCY REVIEW	DRE	KAP		
2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP		
1-29-92	ISSUED FOR REVIEW	GWB	KAP		
1-21-92	ISSUED FOR REVIEW	SAK/DRE	KAP		
11-27-91	ISSUED FOR CLIENT REVIEW	DRE	KAP		
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY

REFERENCES:

- DAMES & MOORE, PLATE No. 4 (SHEET 1 of 2), 8-14-89.
- WALPOLE MAPPING PROJECT, JAMES W. SEWALL COMPANY, JULY 1990.

DATE: 11-5-91	SHEET 4	DRAWING NUMBER
SCALE: AS SHOWN		89-223-E65

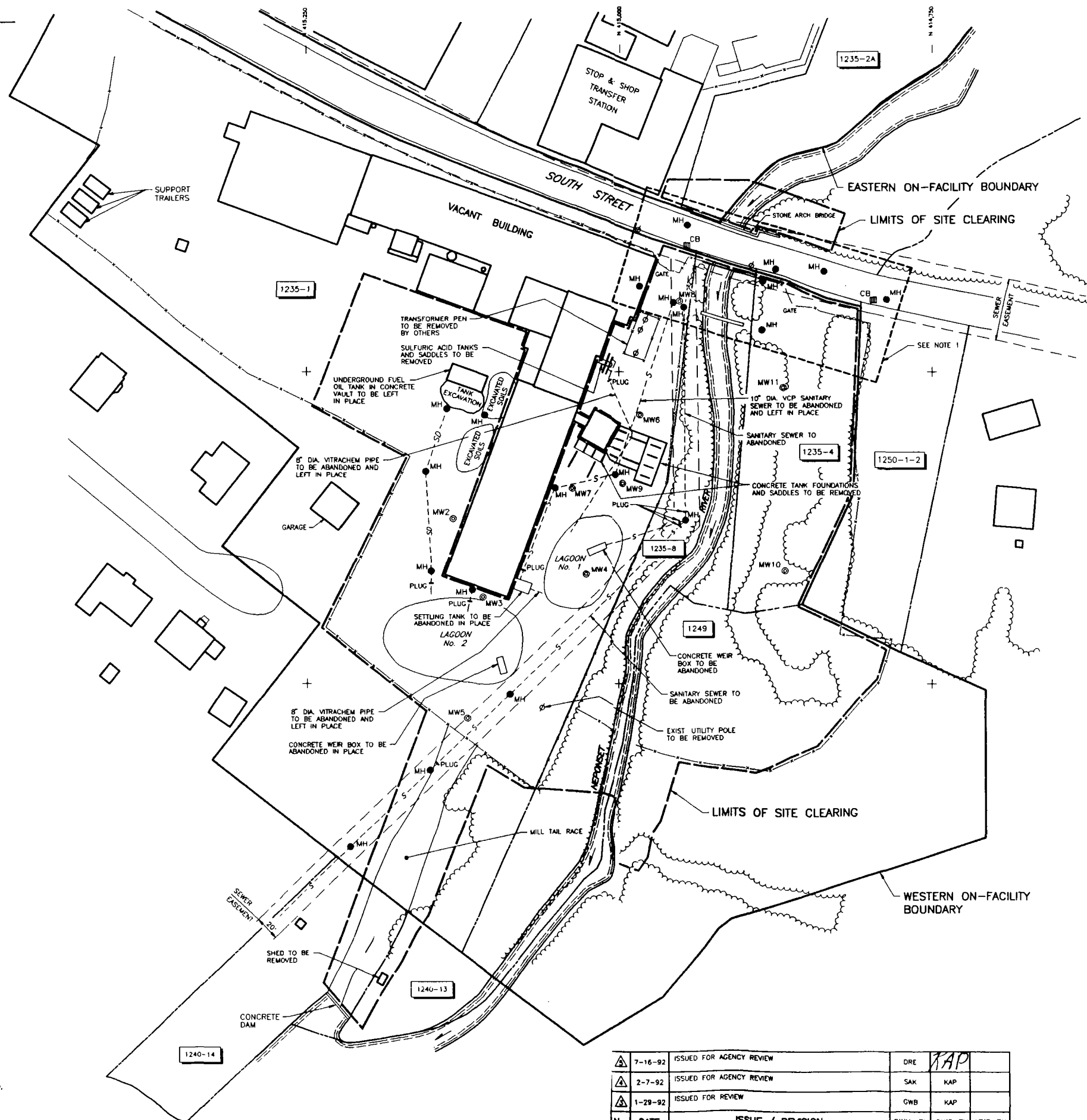


E 667,250

E 667,000

REFERENCES:

- DAMES & MOORE, PLATE No. 4 (SHEET 1 of 2), 8-14-89.
- WALPOLE MAPPING PROJECT, JAMES W. SEWALL COMPANY, JULY 1990.



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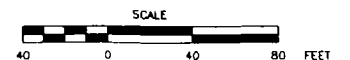
- FENCE
- DIRECTION OF FLOW
- DITCH OR CREEK
- PROPERTY BOUNDARY
- ON-FACILITY BOUNDARY
- 1235-4 LOT NUMBER
- EDGE OF WOODED AREA
- EXISTING SANITARY SEWER
- EXISTING STORM DRAIN
- VCP VITRIFIED CLAY PIPE
- UTILITY POLE
- EXISTING MANHOLE
- EXISTING CATCH BASIN
- MWB MONITORING WELL (SEE NOTE 5)

NOTES:

- FOR DEMOLITION PLAN AND RELOCATION OF SANITARY SEWER AND STORM DRAINS NEAR SOUTH STREET BRIDGE, SEE DWGS. 89-223-E40 AND 89-223-E52.
- SITE CLEARING TO BE PERFORMED IN COMPLIANCE WITH SECTION 101 OF MASSACHUSETTS DEPT. OF PUBLIC WORKS, "STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES" AND SECTION 02110, SITE CLEARING OF PROJECT SPECIFICATIONS DOCUMENT.
- DEMOLITION OF STRUCTURES TO BE PERFORMED IN COMPLIANCE WITH SECTION 02060, BUILDING DEMOLITION OF PROJECT SPECIFICATIONS DOCUMENT.
- FENCE LOCATED WITHIN THE LIMITS OF SITE CLEARING TO BE REMOVED.
- DETAILS OF MONITORING WELL ABANDONMENT ARE INCLUDED IN SECTION 2.5 OF THE REMOVAL ACTION PLAN.
- STOCKPILED SOILS FROM THE UNDERGROUND STORAGE TANK REMOVAL AREA SHALL BE SAMPLED AND ANALYZED TO DETERMINE AN APPROPRIATE METHOD FOR HANDLING THESE MATERIALS.
- MANHOLES SHALL BE ABANDONED AS DESCRIBED IN SECTION 02060 OF PROJECT SPECIFICATIONS.

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SITE CLEARING AND DEMOLITION PLAN
SOUTH STREET SITE, WALPOLE, MA

PREPARED FOR

**SOUTH STREET SITE
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7-16-92	ISSUED FOR AGENCY REVIEW	DRE	KAP
2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP
1-29-92	ISSUED FOR REVIEW	QWB	KAP
No.	DATE	ISSUE / REVISION	
		DWN. BY	CK'D BY AP'D BY

DATE: 10-31-91	SHEET 5	DRAWING NUMBER 89-223-E63
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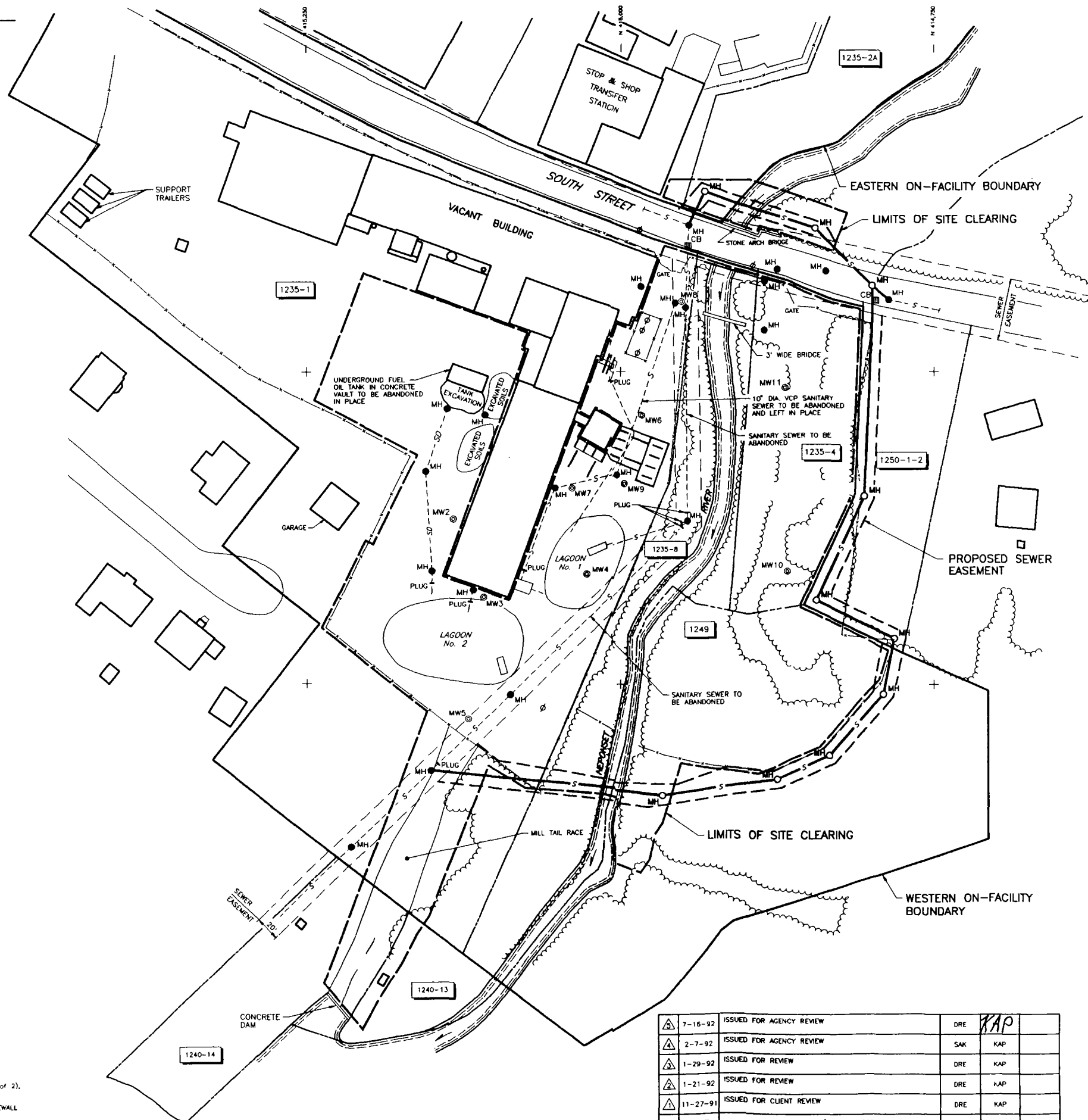


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REFERENCES

- DAMES & MOORE, PLATE No. 4 (SHEET 1 of 2), 8-14-89.
- "WALPOLE MAPPING PROJECT", JAMES W. SEWALL COMPANY, JULY 1990.



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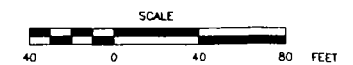
- FENCE
- DIRECTION OF FLOW
- DITCH OR CREEK
- PROPERTY BOUNDARY
- ON-FACILITY BOUNDARY
- 1235-4 LOT NUMBER
- EDGE OF WOODED AREA
- EXISTING SANITARY SEWER
- EXISTING STORM DRAIN
- PROPOSED SANITARY SEWER
- VCP VITRIFIED CLAY PIPE
- Ø UTILITY POLE
- MH EXISTING MANHOLE
- MH PROPOSED MANHOLE
- CB EXISTING CATCH BASIN
- MWB MONITORING WELL

NOTES:

1. ALL UTILITY LINE LOCATIONS ARE APPROXIMATE.
2. ALL UTILITY LINES IN THE AREA OF CONTAINMENT (A.O.C.) SHALL BE DISCONNECTED AND REROUTED OUTSIDE THE A.O.C. OR BE PROVIDED WITH A STUB-OUT FOR FUTURE SERVICE CONNECTION.
3. THE 3' WIDE BRIDGE AND SANITARY SEWER WILL BE REMOVED AS DESCRIBED IN SECTION 2.5 OF THE REMEDIAL ACTION PLAN.
4. REFER TO DWG. 89-223-E70 FOR TYPICAL BACKFILL AND MANHOLE DETAILS.
5. REFER TO DWG. 89-223-E52 FOR PROPOSED STORM DRAIN PLAN AND PROFILE.
6. PRELIMINARY LAYOUT FOR PROPOSED SANITARY SEWER WAS DESIGNED BY GCG ASSOCIATES, INC. DETAILED DRAWINGS TO BE PROVIDED AT A LATER DATE BY GCG ASSOCIATES.
7. SANITARY SEWER SHALL BE REROUTED OUTSIDE OF THE A.O.C.

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PROPOSED SANITARY SEWER AND EASEMENT
SOUTH STREET SITE, WALPOLE, MA

PREPARED FOR

**SOUTH STREET SITE
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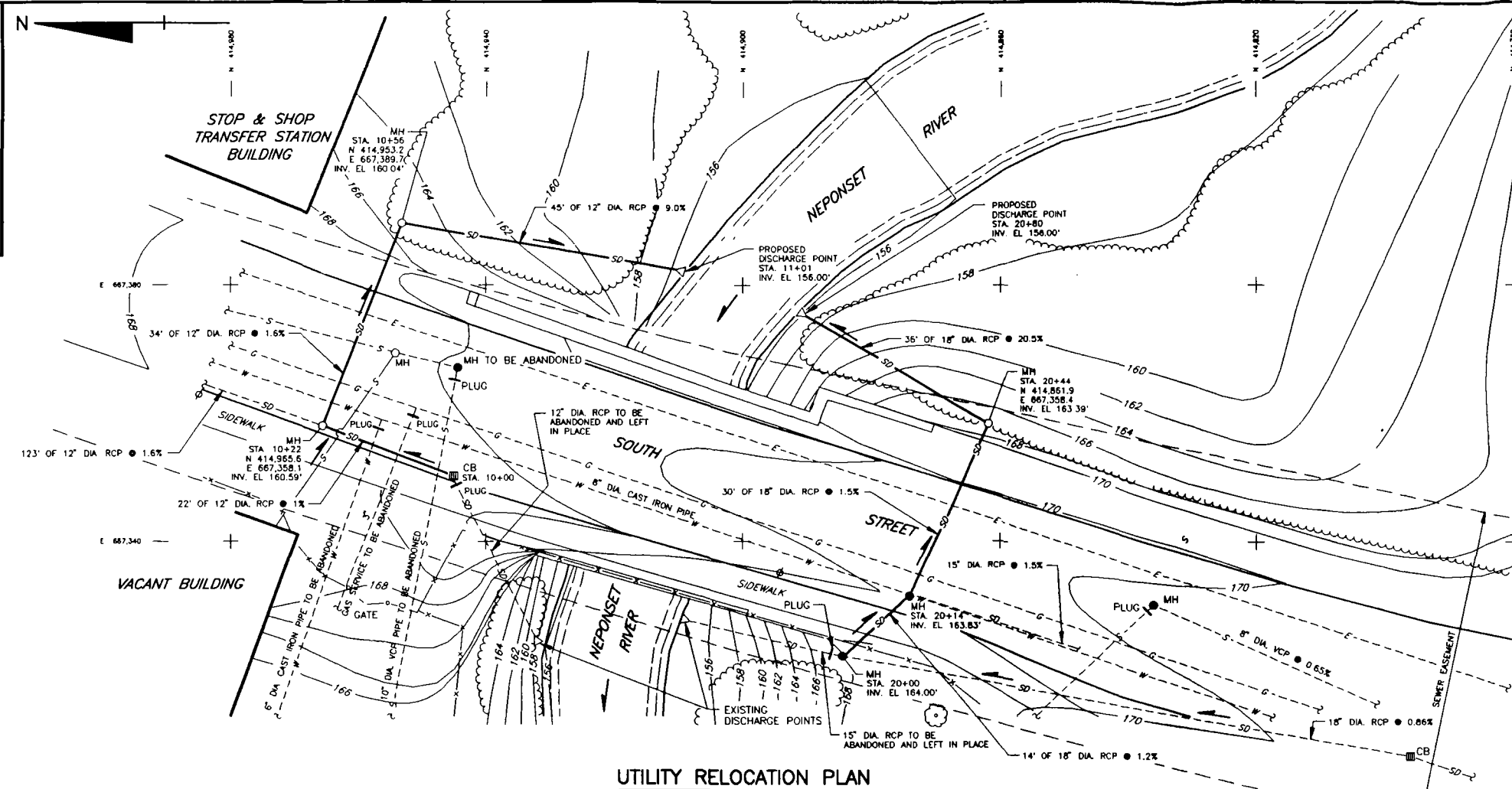
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2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP
1-29-92	ISSUED FOR REVIEW	DRE	KAP
1-21-92	ISSUED FOR REVIEW	DRE	KAP
11-27-91	ISSUED FOR CLIENT REVIEW	DRE	KAP
No.	DATE	ISSUE / REVISION	DWN. BY CK'D BY AP'D BY

DATE: 10-2-91
SCALE: AS SHOWN

SHEET 6

DRAWING NUMBER
89-223-E40

DRAWING NUMBER 89-223-E52

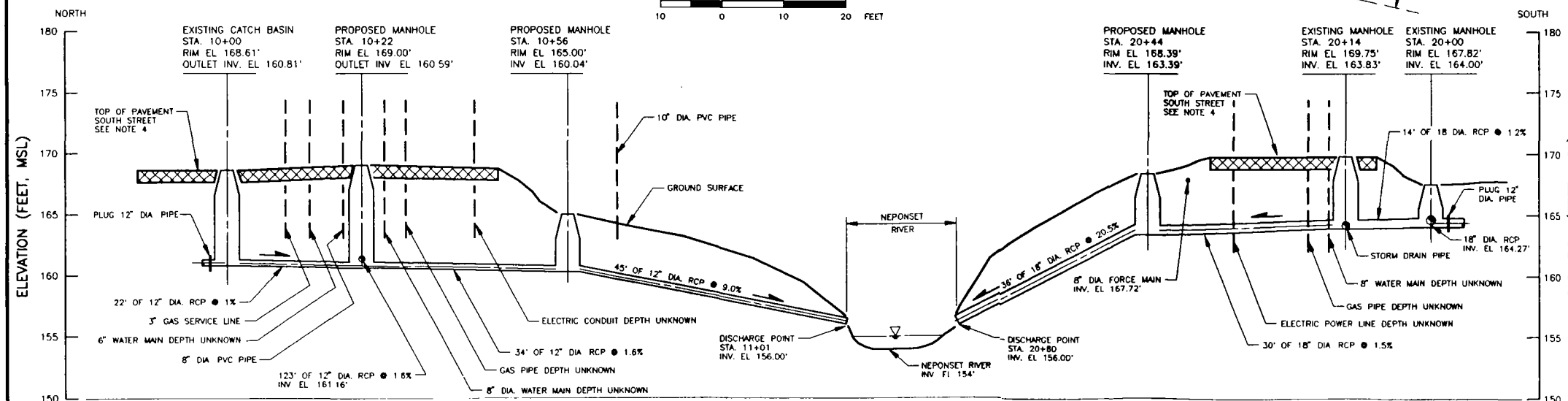


LEGEND:

- x—x— FENCE
- Ø UTILITY POLE
- MH MANHOLE (EXISTING) (SEE NOTE 3)
- MH MANHOLE (PROPOSED) (SEE NOTE 3)
- CB CATCH BASIN (EXISTING)
- DIRECTION OF FLOW
- w—w— EDGE OF WOODED AREA
- TREE
- S--- EXISTING SANITARY SEWER
- SD--- EXISTING STORM DRAIN (SEE NOTE 2)
- SD— PROPOSED (RE-ROUTED) STORM DRAIN (SEE NOTE 2 AND 5)
- W--- EXISTING WATER LINE (SEE NOTES 2 AND 7)
- E--- EXISTING UNDERGROUND POWER LINE (SEE NOTE 2)
- G--- EXISTING GAS LINE (SEE NOTES 2 AND 7)
- VCP VITRIFIED CLAY PIPE
- RCP REINFORCED CONCRETE PIPE
- 170 TOPOGRAPHIC CONTOUR (FEET, MSL)
CONTOUR INTERVAL 2 FEET

NOTES:

1. CANONIE ASSIGNED STATIONS 10+00 TO 11+01 AND 20+00 TO 20+80 FOR REROUTED NORTH AND SOUTH STORM DRAINS.
2. ALL UTILITY LINE LOCATIONS ARE APPROXIMATE. GCG ASSOCIATES DETAILED DRAWINGS TO BE PROVIDED AT A LATER DATE.
3. ALL ELEVATIONS SHOWN ARE GEODETIC VERTICAL DATUM (USGS-NGVD). WALPOLE LOCAL DATUM ELEVATION IS EQUAL TO USGS ELEVATION PLUS 5.62'.
4. REFER TO DWG. 89-223-E70 FOR TYPICAL MANHOLE DETAILS AND TRENCH BACKFILL SCHEDULE.
5. STORM DRAIN CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 200 OF MASSACHUSETTS DEPT. OF PUBLIC WORKS, "STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES". STORM DRAIN OUTLET EROSION SHALL BE PROVIDED BY RIPRAP PLACED AT CULVERT INLET.
6. REFER TO DWG. 89-223-E147 FOR PROPOSED PLAN OF SANITARY SEWER.
7. ALL UTILITY LINES IN THE AREA OF CONTAINMENT SHALL BE DISCONNECTED AND RE-ROUTED OUTSIDE THE A.O.C. OR PROVIDED WITH A STUB-OUT FOR FUTURE SERVICE CONNECTION.



STORM DRAIN PROFILE

VIEW LOOKING EASTERLY - UPSTREAM



REFERENCES:

1. "WALPOLE MAPPING PROJECT", JAMES W. SEWELL COMPANY, JULY 1990
2. WALPOLE SEWERS, WALPOLE, MASS. SOUTH STREET FROM COMMON STREET TO MAIN OUTLET EXTENSION, FEB. 1938
3. PLAN AND PROFILE OF SEWER ON SOUTH STREET PART I, TOWN OF WALPOLE, MASS., BOARD OF SELECTION, APRIL 1, 1954
4. "PRELIMINARY LAYOUT PLAN", SOUTH STREET RELOCATION PROJECT, GCG ASSOCIATES INC., PLAN No. 1 OF 2, 1-15-92

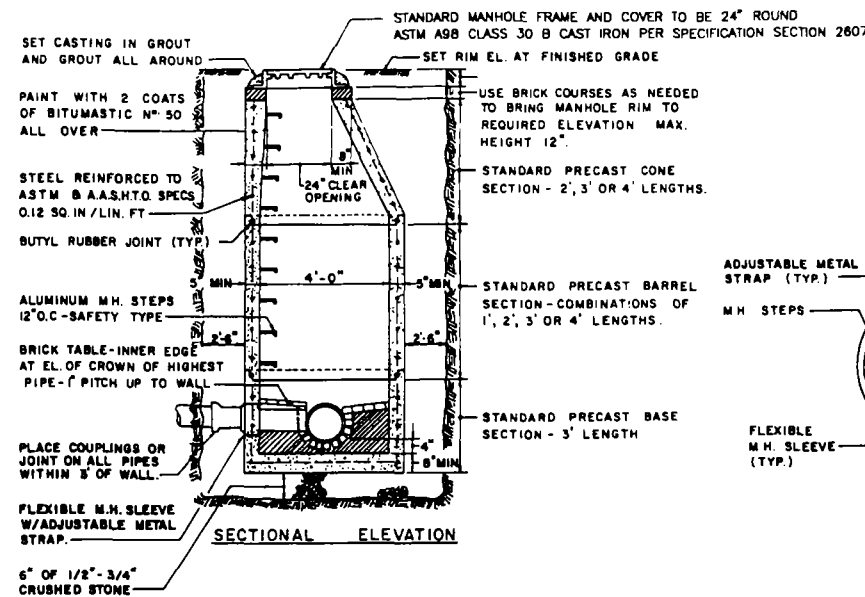
7-16-92	ISSUED FOR AGENCY REVIEW	DRE	KAP
2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP
1-29-92	ISSUED FOR REVIEW	DRE	KAP
1-21-92	ISSUED FOR REVIEW	DRE	KAP
11-27-91	ISSUED FOR CLIENT REVIEW	DRE	KAP
No.	DATE	ISSUE / REVISION	DWN. BY CK'D BY AP'D BY

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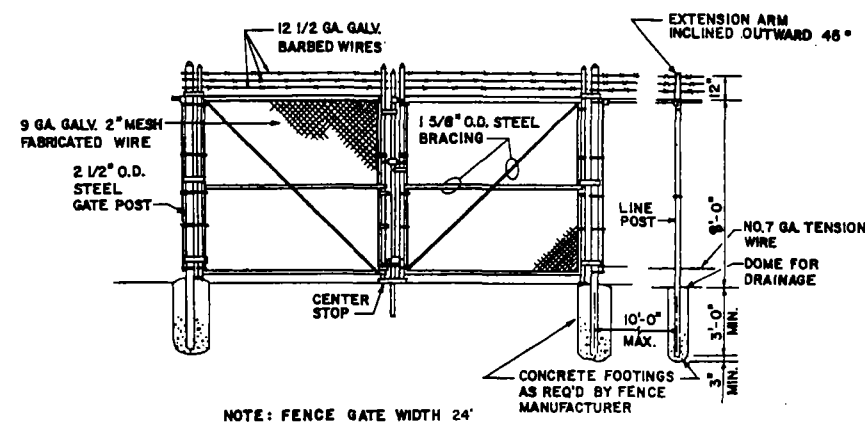
UTILITY RELOCATION PLAN
AND STORM DRAIN PROFILE
SOUTH STREET SITE, WALPOLE, MA.
PREPARED FOR
SOUTH STREET SITE
PRPs

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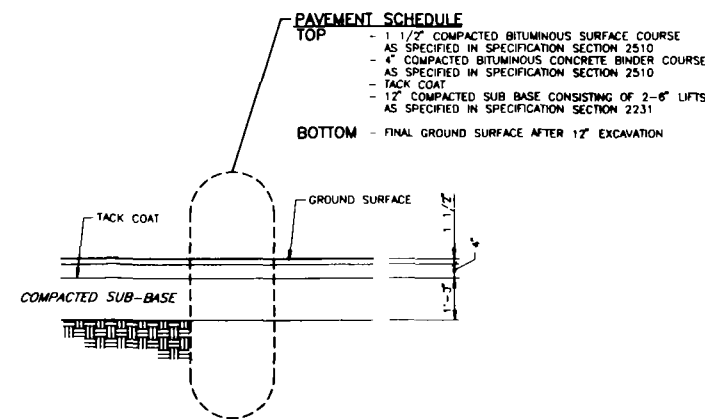
DATE: 10-26-91	SHEET 7	DRAWING NUMBER 89-223-E52
SCALE: AS SHOWN		



TYPICAL PRECAST CONCRETE MANHOLE
FOR SANITARY SEWER AND STORM DRAIN PIPING
NOT TO SCALE

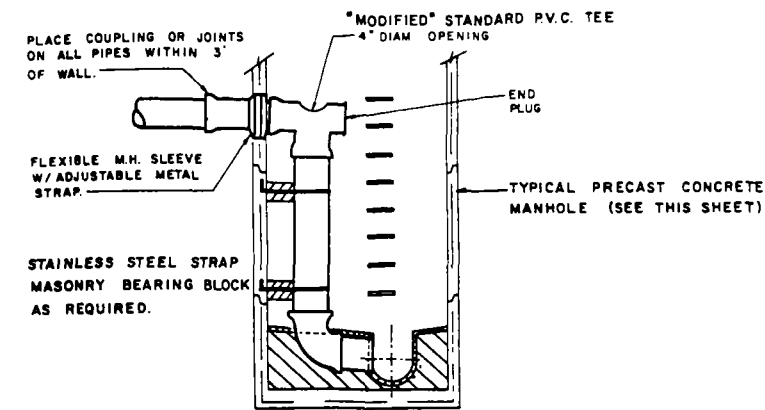
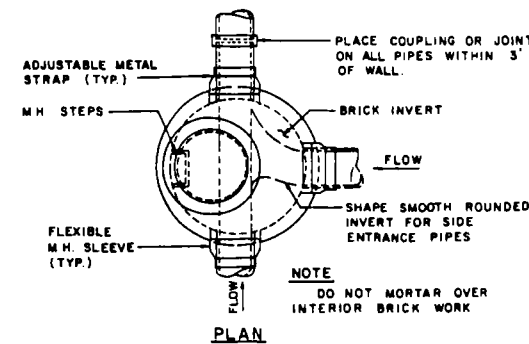


TYPICAL GATE AND FENCE DETAIL
NOT TO SCALE

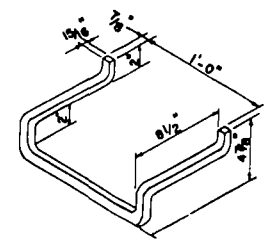


TYPICAL PAVEMENT DETAIL
NOT TO SCALE

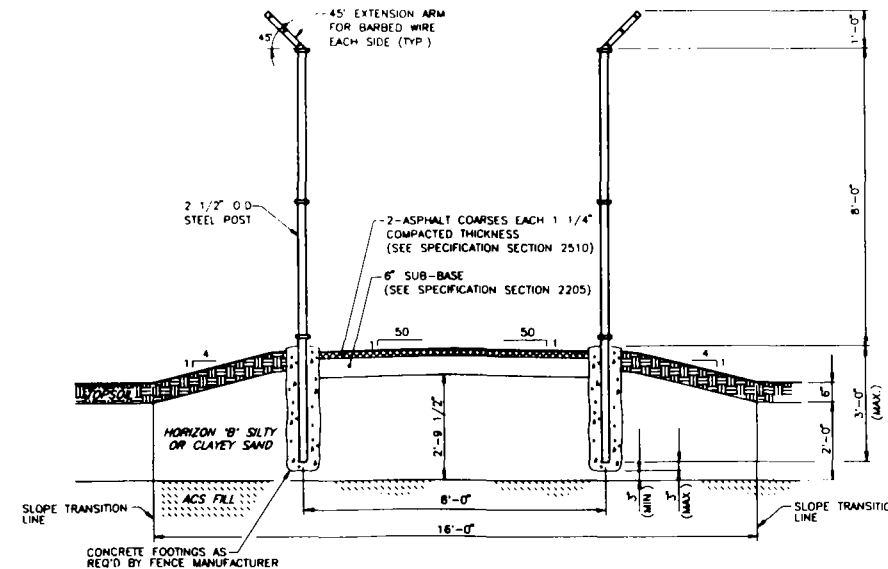
REFERENCES:
- "PLAN SHOWING TYPICAL SEWERAGE CONSTRUCTION DETAILS", DEPARTMENT OF PUBLIC WORKS, TOWN OF WALPOLE, MASSACHUSETTS, JANUARY 1, 1986.



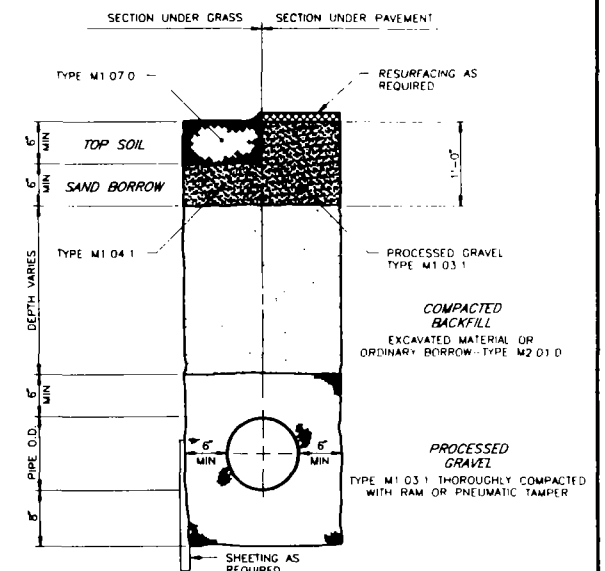
TYPICAL SANITARY SEWER INSIDE DROP INLET MANHOLE
NOT TO SCALE



MANHOLE STEP DETAIL
NOT TO SCALE



TYPICAL PORTAGE PATH CROSS SECTION
NOT TO SCALE



TYPICAL TRENCH DETAIL
NOT TO SCALE

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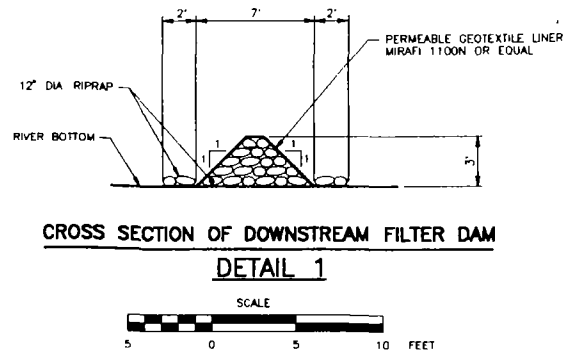
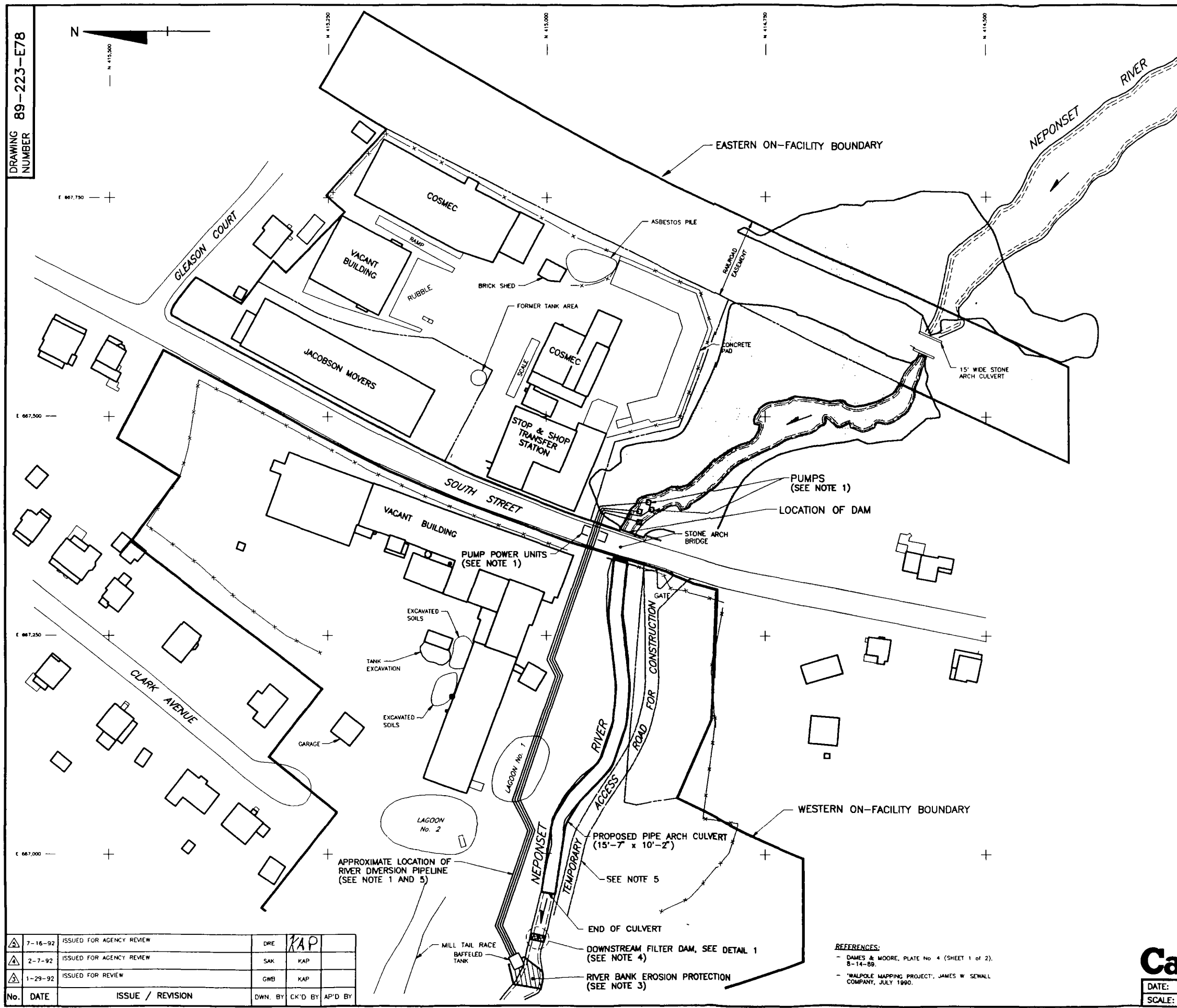
MISCELLANEOUS DETAILS
SOUTH STREET SITE, WALPOLE, MA
PREPARED FOR
SOUTH STREET SITE
PRPs

CanonieEnvironmental

7-18-92	ISSUED FOR AGENCY REVIEW	DRE	KAP		
2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP		
1-28-92	ISSUED FOR REVIEW	QWB	KAP		
1-21-92	ISSUED FOR REVIEW	MAM	KAP		
11-27-91	ISSUED FOR CLIENT REVIEW	QWB	KAP		
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY

DATE: 11-7-91	SHEET 8	DRAWING NUMBER
SCALE: N.T.S.		89-223-E70

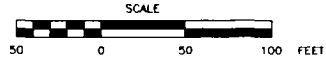
DRAWING NUMBER 89-223-E78



- LEGEND:**
- FENCE
 - DIRECTION OF FLOW
 - DITCH OR CREEK
 - PROPERTY LINE
 - APPROXIMATE ON-FACILITY BOUNDARY
 - APPROXIMATE LIMITS OF POND AREA (SEE NOTE 2)

- NOTES:**
- LOCATION SHOWN FOR RIVER DIVERSION PIPING, PUMPS, AND PUMP POWER UNITS ARE APPROXIMATE. EXACT LOCATION OF RIVER DIVERSION PIPING, PUMPS, AND POWER UNITS WILL BE DETERMINED BY DEWATERING CONTRACTOR. RIPRAP EROSION PROTECTION WILL BE PROVIDED AT PUMP INLET.
 - LIMITS OF POND AREA SHOWN ARE FOR THE MAXIMUM POOL ELEVATION 162' MSL THAT WOULD BE IMPOUNDED BY THE DAM.
 - RIVER BANK EROSION PROTECTION AT THE OUTLET OF THE RIVER DIVERSION PIPING TO BE PROVIDED BY THE DEWATERING CONTRACTOR.
 - DOWNSTREAM FILTER DAM WILL BE CONSTRUCTED OF RIPRAP COVERED WITH PERMEABLE GEOTEXTILE LINER. THE GEOTEXTILE LINER WILL AID IN THE RETENTION OF ASBESTOS FIBERS THAT MAY BE TRANSPORTED BY GROUND WATER DISCHARGE OR OVERLAND STORM WATER FLOW INTO THE NEPONSET RIVER. THE FILTER DAM WILL EXTEND ACROSS THE RIVER CHANNEL FROM BANK TO BANK.
 - DIVERSION PIPE BEDDING: ORDINARY BORROW TYPE M1.01.0; ACCESS ROAD SUBBASE: PROCESSED GRAVEL TYPE M1.03.1.

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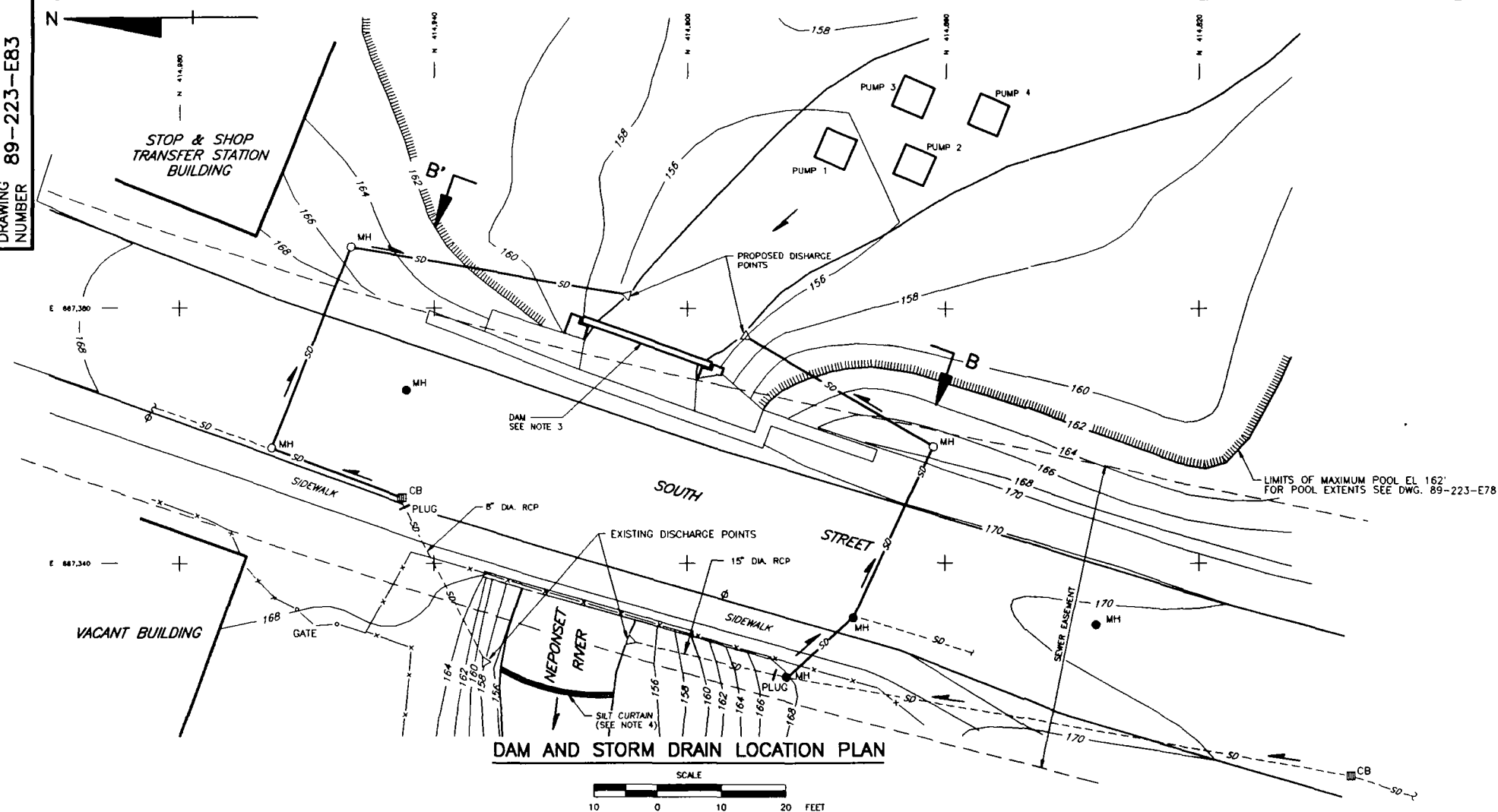
RIVER DIVERSION PLAN
SOUTH STREET SITE, WALPOLE, MA
PREPARED FOR
SOUTH STREET SITE
PRPs

Canonie Environmental

7-16-92	ISSUED FOR AGENCY REVIEW	DRE	KAP	
2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP	
1-29-92	ISSUED FOR REVIEW	GWB	KAP	
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY

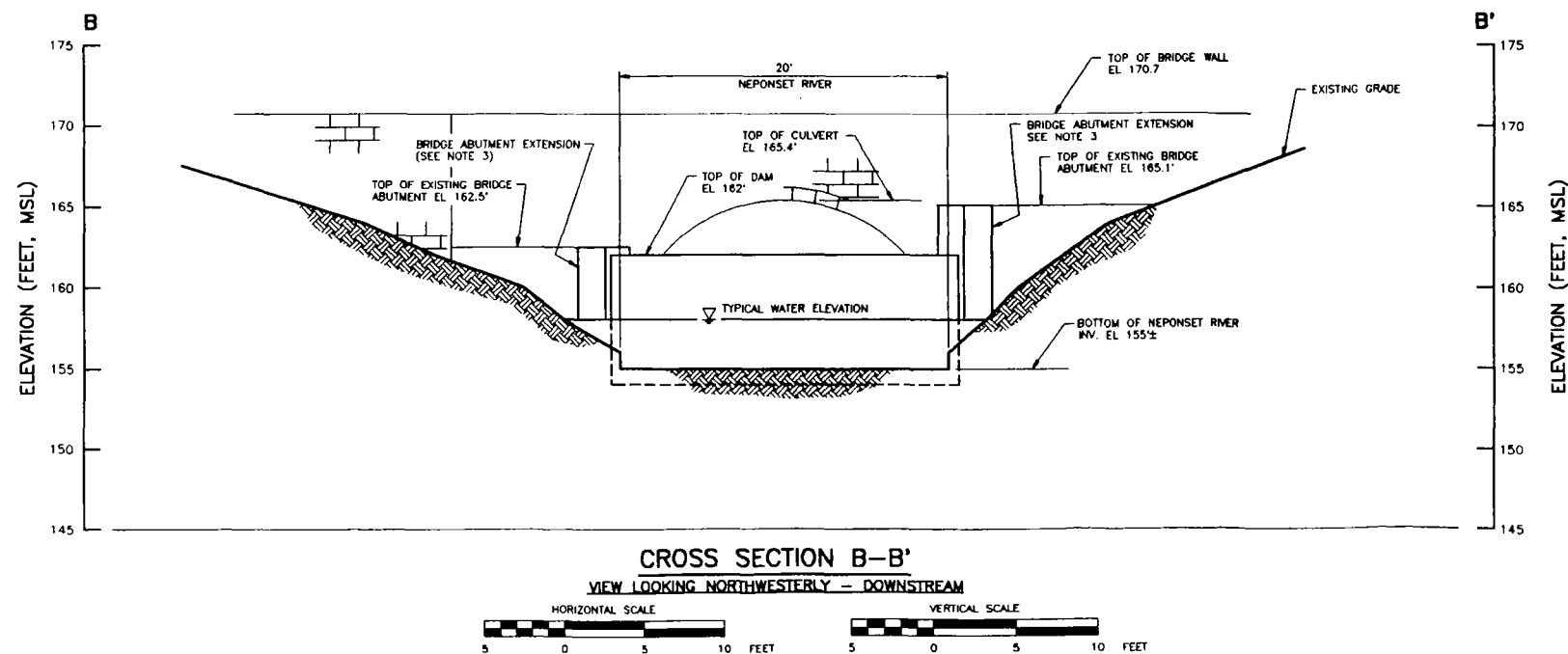
- REFERENCES:**
- DAMES & MOORE, PLATE No. 4 (SHEET 1 of 2), 8-14-89.
 - "WALPOLE MAPPING PROJECT", JAMES W. SEWALL COMPANY, JULY 1990.

DRAWING NUMBER 89-223-E83



- LEGEND:**
- FENCE
 - Ø UTILITY POLE
 - MH EXISTING MANHOLE (SEE NOTE 2)
 - MH PROPOSED MANHOLE
 - ▢ CB EXISTING CATCH BASIN
 - DIRECTION OF FLOW
 - - - - - EXISTING STORM DRAIN
 - — — — — PROPOSED (RE-ROUTED) STORM DRAIN (SEE NOTE 2)
 - 170 — TOPOGRAPHIC CONTOUR (FEET, MSL) CONTOUR INTERVAL 2 FEET

- NOTES:**
- ALL ELEVATIONS SHOWN ARE GEODETIC VERTICAL DATUM (USGS-NGVD). WALPOLE LOCAL DATUM ELEVATION IS EQUAL TO USGS ELEVATION PLUS 5.62'.
 - FOR PLAN AND PROFILE OF RELOCATED STORM DRAIN PIPING SEE DWG. 89-223-E52.
 - FOR PLAN AND DETAILS OF DAM SEE DWG. 89-223-E79.
 - A TEMPORARY SILT CURTAIN SHALL BE INSTALLED DURING DAM CONSTRUCTION.



CROSS SECTION B-B'
VIEW LOOKING NORTHWESTERLY - DOWNSTREAM

	7-16-92	ISSUED FOR AGENCY REVIEW	DRE	KAP	
	2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP	
	1-29-92	ISSUED FOR REVIEW	GWB	KAP	
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY

- REFERENCES:**
- "WALPOLE MAPPING PROJECT", JAMES W. SEWALL COMPANY, JULY 1990.
 - WALPOLE SEWERS, WALPOLE, MASS., SOUTH STREET FROM COMMON STREET TO MAIN OUTLET EXTENSION, FEB., 1938.
 - PLAN AND PROFILE OF SEWER ON SOUTH STREET PART I, TOWN OF WALPOLE, MASS., BOARD OF SELECTION, APRIL 1, 1934.

DRAFT
JULY 16, 1992

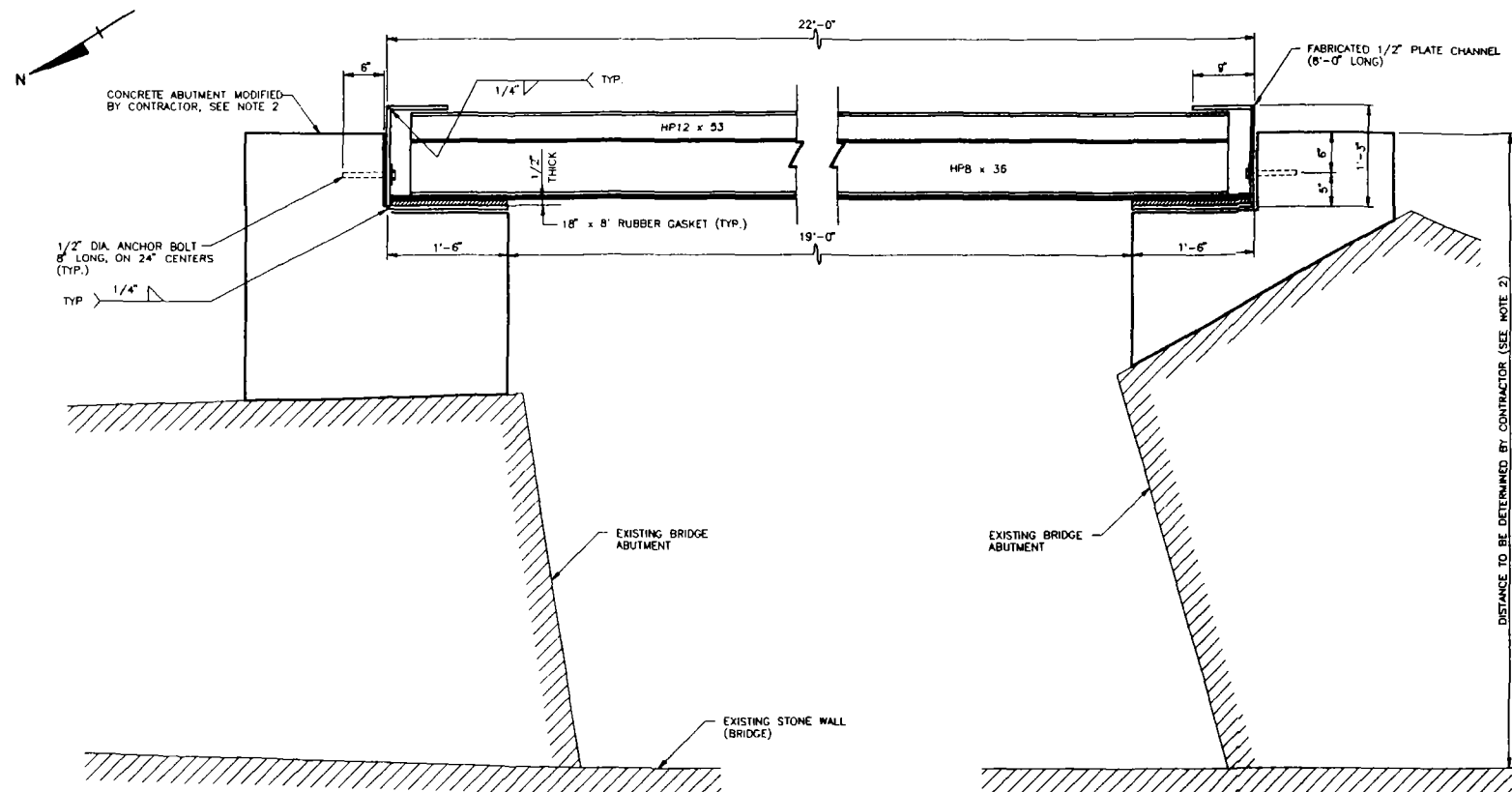
PLAN OF DAM AND
CROSS SECTION B-B'
SOUTH STREET SITE, WALPOLE, MA.

PREPARED FOR
SOUTH STREET SITE
PRPs

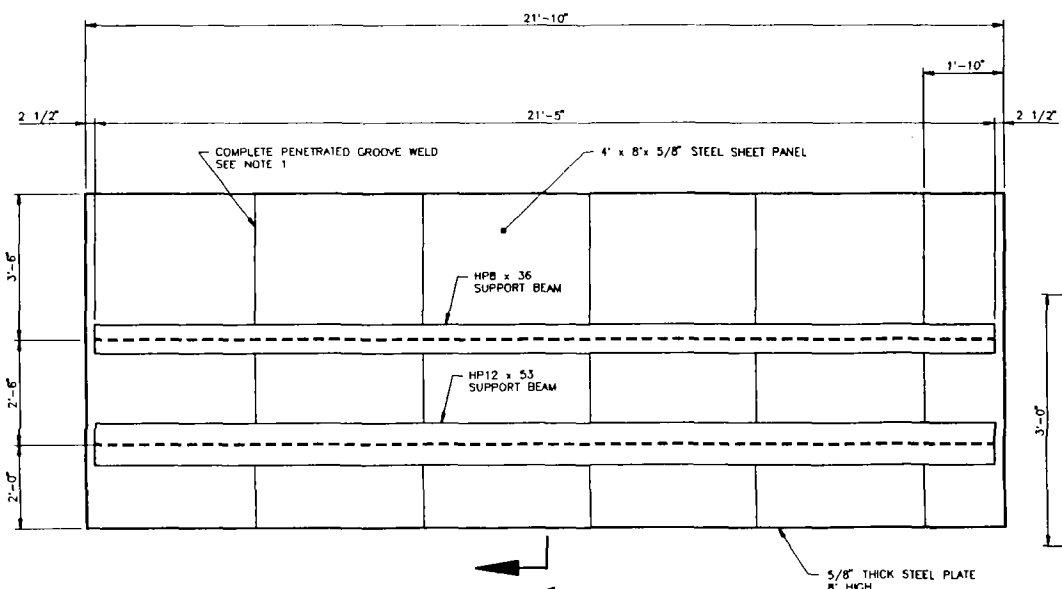
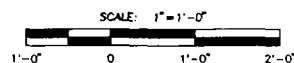
CanonieEnvironmental

DATE: 11-26-91	SHEET 10	DRAWING NUMBER 89-223-E83
SCALE: AS SHOWN		

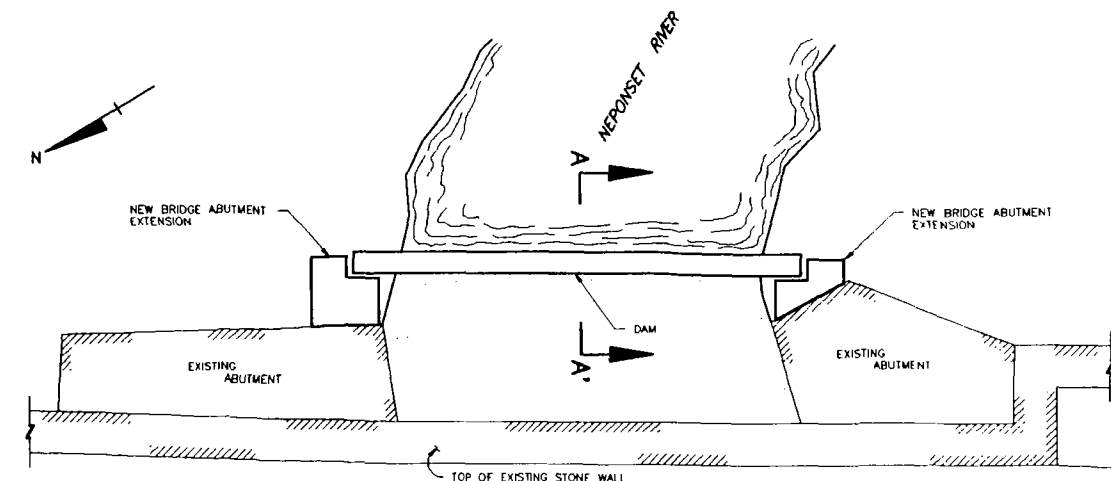
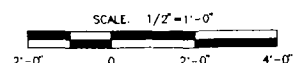
DRAWING NUMBER 89-223-E79



PLAN OF DAM

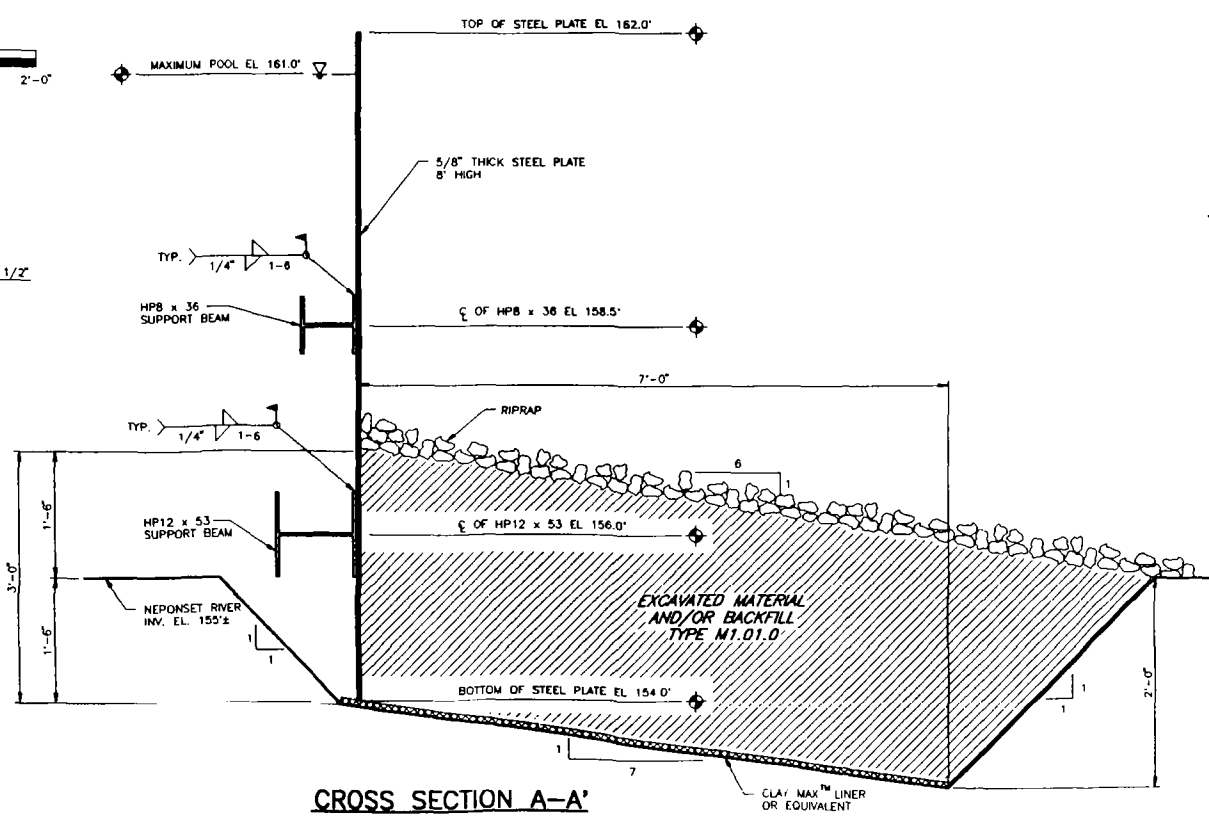
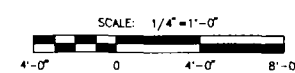


ELEVATION OF STEEL PLATE DAM

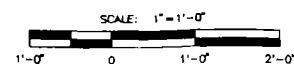


SOUTH STREET BRIDGE

PLAN



CROSS SECTION A-A



NOTES:

1. THE 4' x 8' STEEL SHEET PANELS WILL BE WELDED TOGETHER TO PROVIDE A WATER TIGHT SEAL. A COMPLETE PENETRATION GROOVE WELD WILL BE USED AT EVERY PLATE TO PLATE CONNECTION. THE WELD WILL RUN THE ENTIRE 8' OF THE CONNECTION.
2. SEE DRAWING 89-223-E146 FOR ABUTMENT DETAILS.
3. FOR LOCATION OF DAM SEE DWG. 89-223-E83.
4. FOR LOCATION OF SILT CURTAIN DURING DAM EXCAVATION, SEE DWG. 89-223-E83.

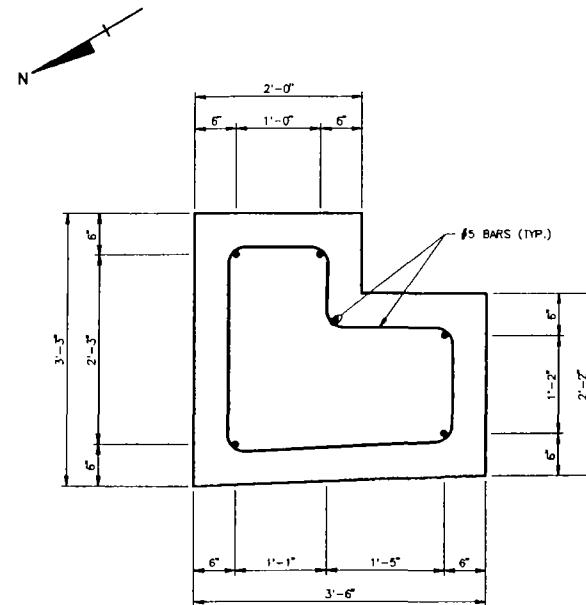
DRAFT
JULY 16, 1992

CROSS SECTIONS, DETAILS,
AND PLAN OF DAM
SOUTH STREET SITE, WALPOLE, MA
PREPARED FOR
SOUTH STREET SITE
PRPs

Canonie Environmental

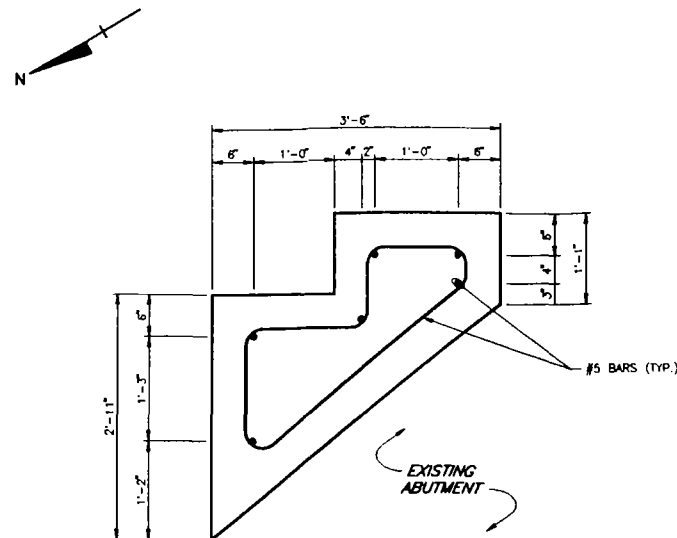
	7-16-92	ISSUED FOR AGENCY REVIEW	DRE	KAP	
	2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP	
	1-29-92	ISSUED FOR REVIEW	GWB	KAP	
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY

DATE: 11-22-91	SHEET 11	DRAWING NUMBER 89-223-E79
SCALE: AS SHOWN		



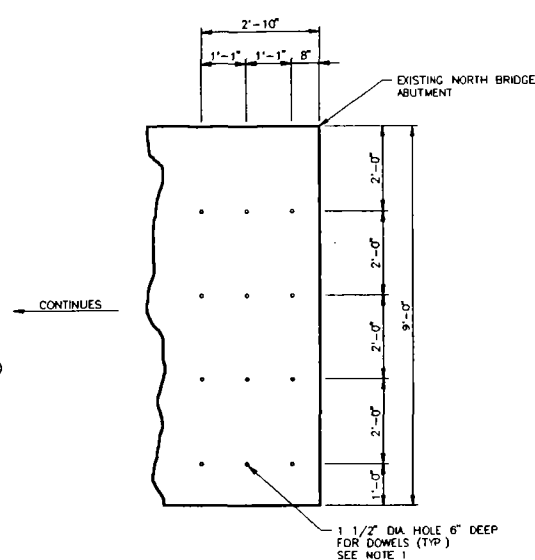
PLAN
NORTH MODIFIED BRIDGE ABUTMENT

SCALE: 1" = 1'-0"
1'-0" 0 1'-0" 2'-0"



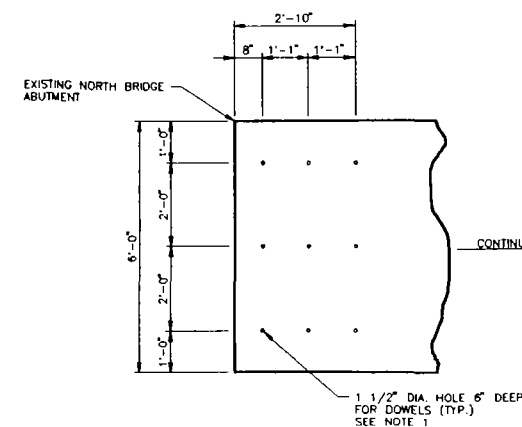
PLAN
SOUTH MODIFIED BRIDGE ABUTMENT

SCALE: 1" = 1'-0"
1'-0" 0 1'-0" 2'-0"



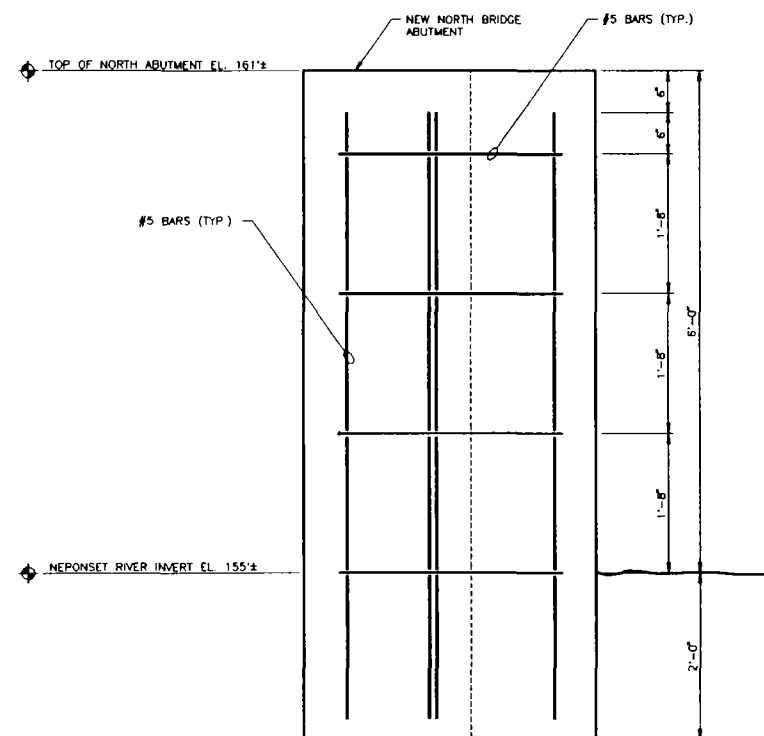
ELEVATION
DOWEL PATTERN
EXISTING NORTH BRIDGE ABUTMENT

SCALE: 1/2" = 1'-0"
2'-0" 0 2'-0" 4'-0"



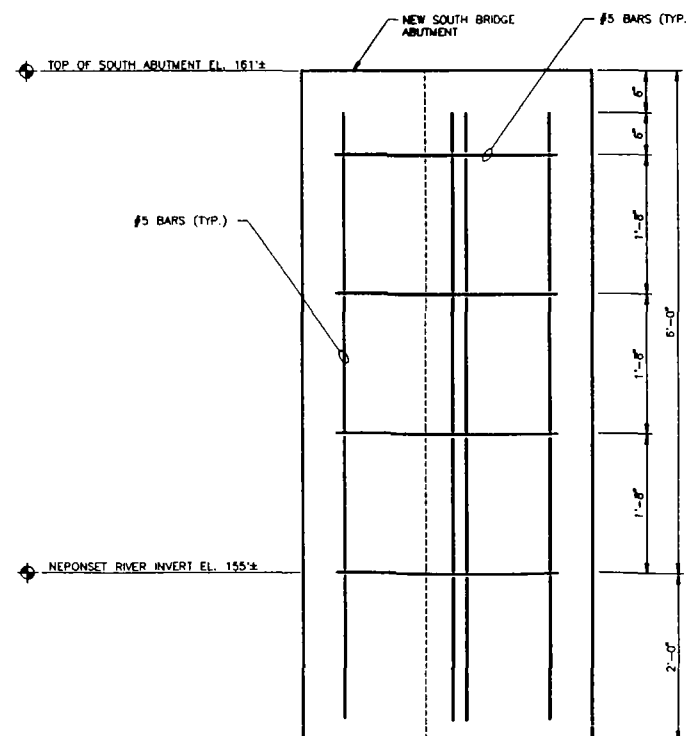
ELEVATION
DOWEL PATTERN
EXISTING SOUTH BRIDGE ABUTMENT

SCALE: 1/2" = 1'-0"
2'-0" 0 2'-0" 4'-0"



ELEVATION
NORTH MODIFIED BRIDGE ABUTMENT

SCALE: 1" = 1'-0"
1'-0" 0 1'-0" 2'-0"



ELEVATION
SOUTH MODIFIED BRIDGE ABUTMENT

SCALE: 1" = 1'-0"
1'-0" 0 1'-0" 2'-0"

NOTES:

1. THE NEW BRIDGE ABUTMENTS SHALL BE CONNECTED TO EXISTING BRIDGE ABUTMENTS WITH 1" DIA. x 18" LONG DOWELS. DOWELS SHALL BE GROUTED 9" INTO EXISTING ABUTMENT.
2. DETERIORATED SURFACE ON THE EXISTING ABUTMENTS SHALL BE REMOVED AND CLEANED.
3. THE EXISTING ABUTMENTS SHALL BE COATED WITH SIKADUR 31 HIGH-GEL ADHESIVE (OR EQUIVALENT) BONDING AGENT PRIOR TO POURING OF NEW CONCRETE TO IMPROVE BONDING.

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JULY 16, 1992

BRIDGE ABUTMENT DETAILS
SOUTH STREET SITE, WALPOLE, MA
PREPARED FOR
SOUTH STREET SITE
PRPs

CanonieEnvironmental

7-16-92	ISSUED FOR AGENCY REVIEW	M.A.M.	KAP	
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY

DATE: 7-9-92	SHEET 12	DRAWING NUMBER 89-223-E146
SCALE: AS SHOWN		

DRAWING NUMBER 89-223-E45



E 667,200

E 667,200

VACANT BUILDING

STONE ARCH BRIDGE

SOUTH STREET

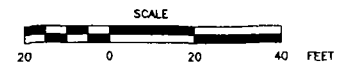
LEGEND:

- FENCE
- DIRECTION OF FLOW
- GROUND SURFACE CONTOUR (FEET MSL)

NOTES:

- MATERIAL FOR TEMPORARY ACCESS ROAD TO BE PROCESSED GRAVEL TYPE M1.0.3.1.

DRAFT
JULY 16, 1992



PROPOSED PIPE ARCH CULVERT
ALIGNMENT
SOUTH STREET SITE, WALPOLE, MA.
PREPARED FOR
SOUTH STREET SITE
PRPs

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REFERENCES:

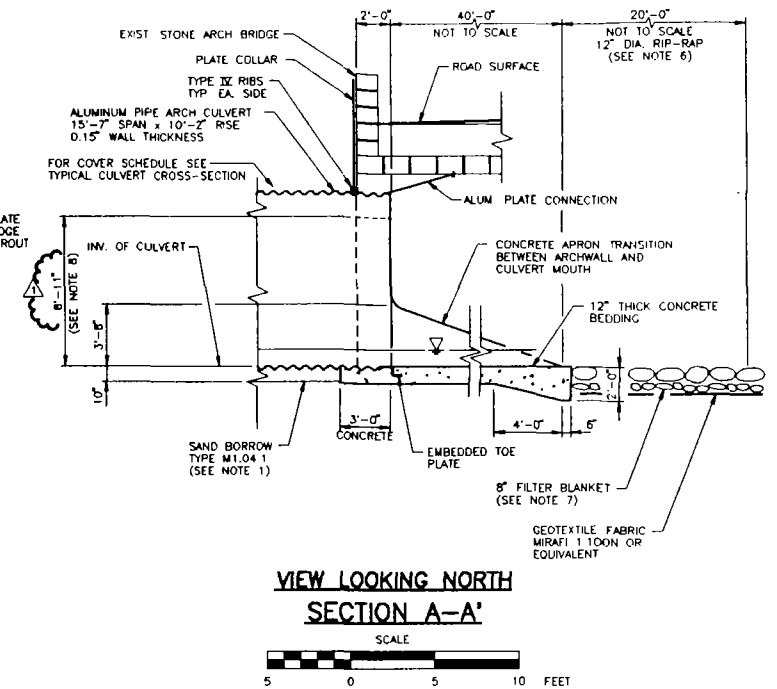
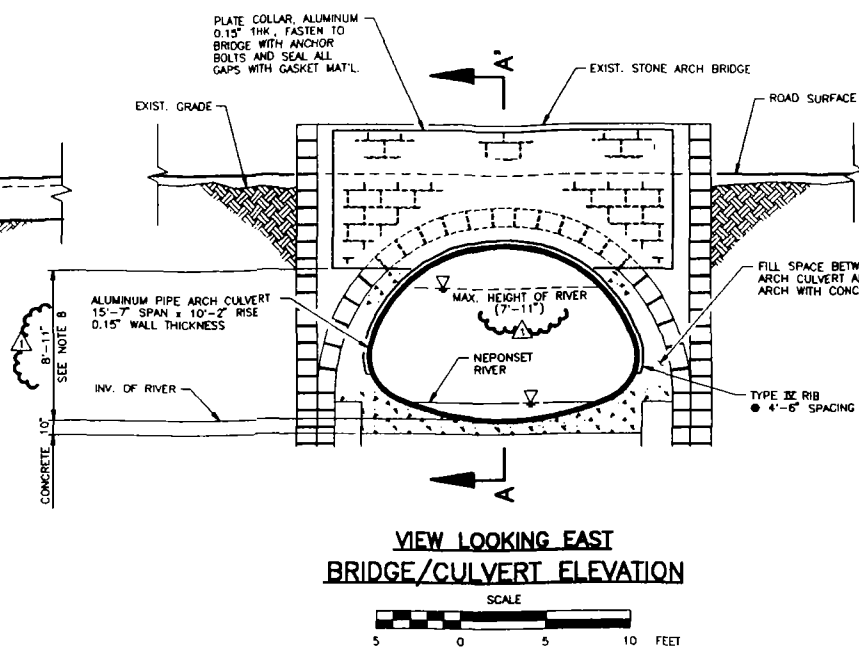
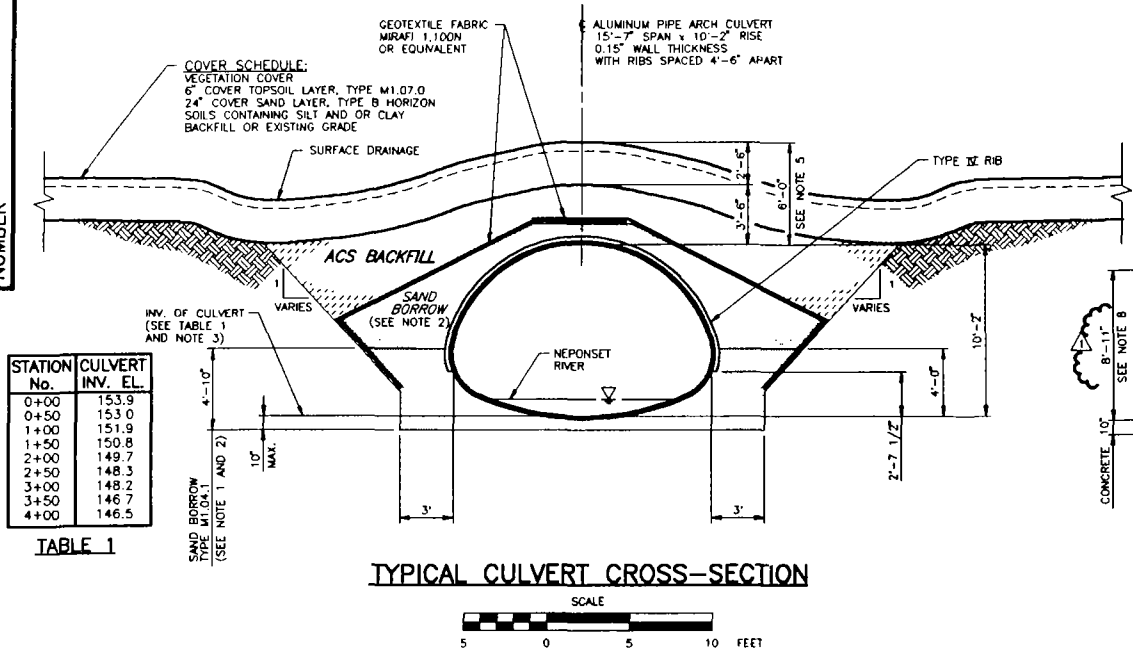
- DAMES & MOORE, PLATE No. 4 (SHEET 1 of 2), 8-14-89.
- WALPOLE MAPPING PROJECT, JAMES W. SEWALL COMPANY, JULY 1990.

7-16-92	ISSUED FOR AGENCY REVIEW REMOVED CONSTRUCTION ISSUANCE	DRE	KAO	
7-1-92	ISSUED FOR CONSTRUCTION	SAK	KAP	MO
No.	DATE	CONSTRUCTION ISSUE/REVISION	DWN. BY	CK'D BY

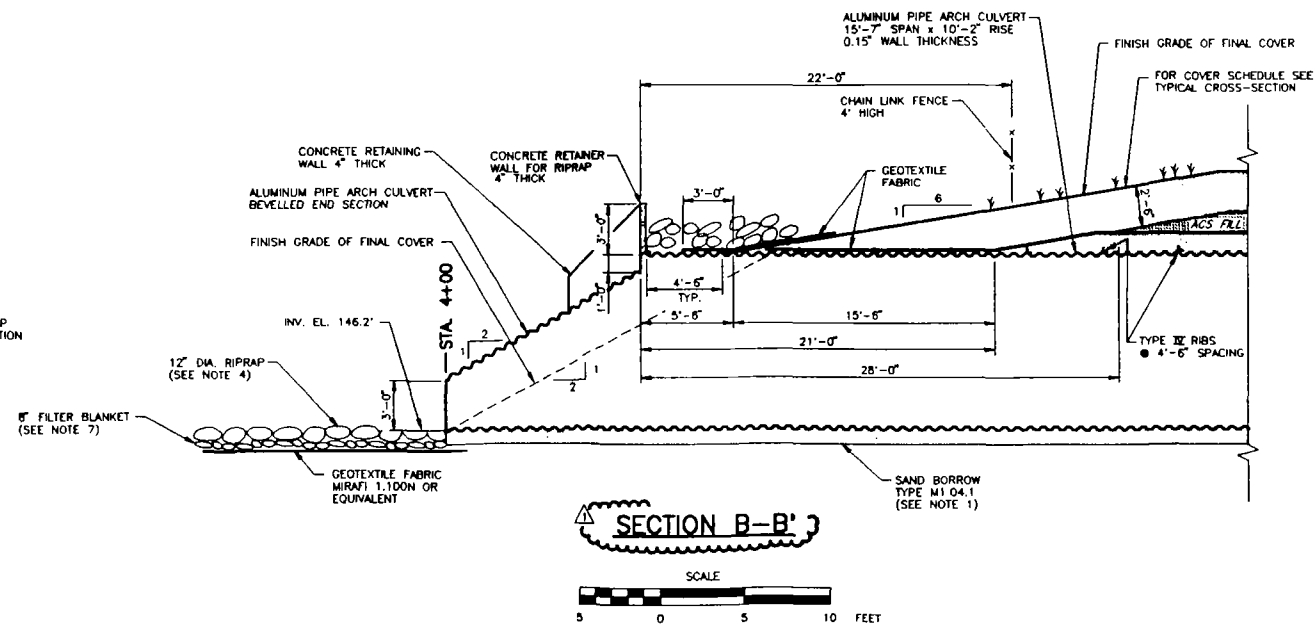
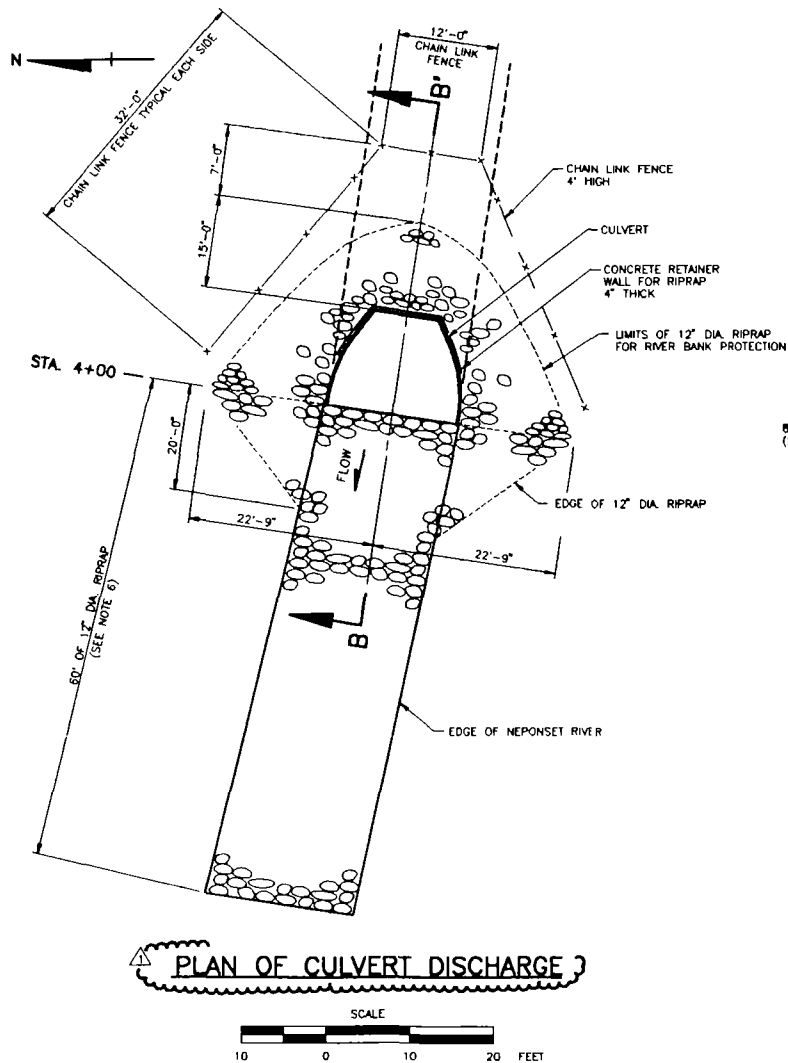
DATE:	10-4-91	SHEET 13	DRAWING NUMBER 89-223-E45
SCALE:	AS SHOWN		

STATION No.	CULVERT INV. EL.
0+00	153.9
0+50	153.0
1+00	151.9
1+50	150.8
2+00	149.7
2+50	148.3
3+00	148.2
3+50	146.7
4+00	146.5

TABLE 1



1. BEDDING MATERIAL SHALL BE OF SAND BORROW TYPE M1.04.1 AND SHALL CONFORM TO AASHTO SPECIFICATION M-145 AND COMPACTED TO 90% OF MAXIMUM DENSITY PER ASTM D698.
2. SAND BORROW SHALL BE PLACED IN UNIFORM LAYERS NOT TO EXCEED 12" IN THICKNESS DURING COMPACTION AND SHALL BE PLACED UNIFORMLY ON BOTH SIDES OF THE STRUCTURE AND COMPACTED TO 90% OF MAXIMUM DENSITY PER ASTM D698.
3. THE INVERT ELEVATION OF THE PROPOSED PIPE ARCH CULVERT SHALL MATCH THE EXISTING RIVER BED ELEVATION.
4. PAVE THE 60' LENGTH OF RIVER BED DOWN STREAM OF THE CULVERT DISCHARGE WITH ONE LAYER OF 12" DIA. RIPRAP TO ORIGINAL RIVER INVERT ELEVATION.
5. TOTAL HEIGHT OF COVER OVER THE ALUMINUM CULVERT CROWN CAN BE INCREASED TO 11' MAXIMUM TO ALLOW FOR INCREASED ACS BACKFILL VOLUME.
6. RIPRAP SIZE IS LISTED AS THE D100 SIZE, MAXIMUM GRADATION SIZE, AND IS LISTED IN SPECIFICATION SECTION 2207. LAYER THICKNESS SHALL BE EQUAL TO ITS D100 SIZE.
7. FILTER BLANKET IS LISTED AS THE D100 SIZE, MAXIMUM GRADATION SIZE, AND IS LISTED IN SPECIFICATION SECTION 2207. LAYER THICKNESS SHALL BE EQUAL TO ITS D100 SIZE.
8. A CONCRETE GROUT PLUG SHALL BE INSTALLED FROM THE INV. OF THE PIPE ARCH CULVERT TO A HEIGHT OF 8'-11" (MAX. HEC-2 WATER ELEVATION PLUS 1' FREEBOARD).



DRAFT
JULY 16, 1992

PROPOSED PIPE ARCH CULVERT
TYPICAL CULVERT CROSS-SECTION AND DETAILS
SOUTH STREET SITE, WALPOLE, MA.

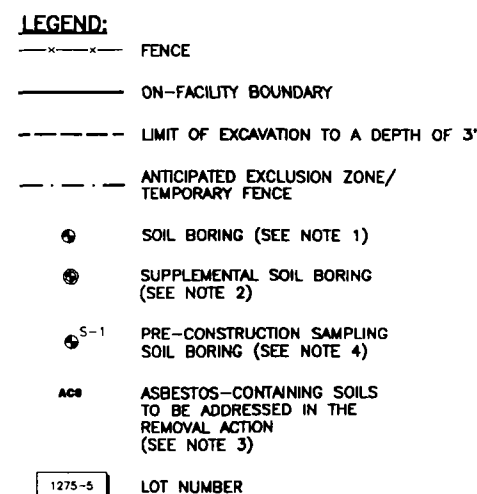
PREPARED FOR

SOUTH STREET SITE
PRPs

CanonieEnvironmental

△	7-18-92	ISSUED FOR AGENCY REVIEW. REMOVED CONSTRUCTION ISSUANCE. CHANGED PLAN OF CULVERT AND SECTION B-B'	DRE	KAP	
△	7-1-92	ISSUED FOR CONSTRUCTION	SAK	KAP	MO
No.	DATE	CONSTRUCTION ISSUE/REVISION	DWN BY	CK'D BY	AP'D BY

DATE: 10-24-91	SHEET 14	DRAWING NUMBER
SCALE: AS NOTED		89-223-E48



1. SOIL BORINGS WERE TAKEN AS PART OF THE INITIAL SITE ASSESSMENT INVESTIGATION (JANUARY 17, 1989 TO APRIL 7, 1989). SOIL SAMPLES WERE ANALYZED FOR ASBESTOS AT 0' TO 6' AND 24' TO 30' DEPTH INTERVALS.
2. SOIL BORINGS WERE TAKEN AS PART OF A SUPPLEMENTARY INVESTIGATION (JUNE 7, 1990 TO JUNE 13, 1990). SOIL SAMPLES WERE ANALYZED FOR ASBESTOS AT 0' TO 6' AND 24' TO 30' DEPTH INTERVALS.
3. SOIL BORINGS WHICH ARE NOT FLAGGED WITH THE DESIGNATION ACS DO NOT CONTAIN SOILS REQUIRING REMEDIATION THROUGH THIS REMOVAL ACTION.
4. SOIL BORINGS WITH A 'S' DESIGNATION WERE TAKEN BY CANONIE ON LOT 1275-5 APRIL 10, 1991.
5. REFER TO DWG. 89-223-E70 FOR EXCAVATION BACKFILL DETAIL.

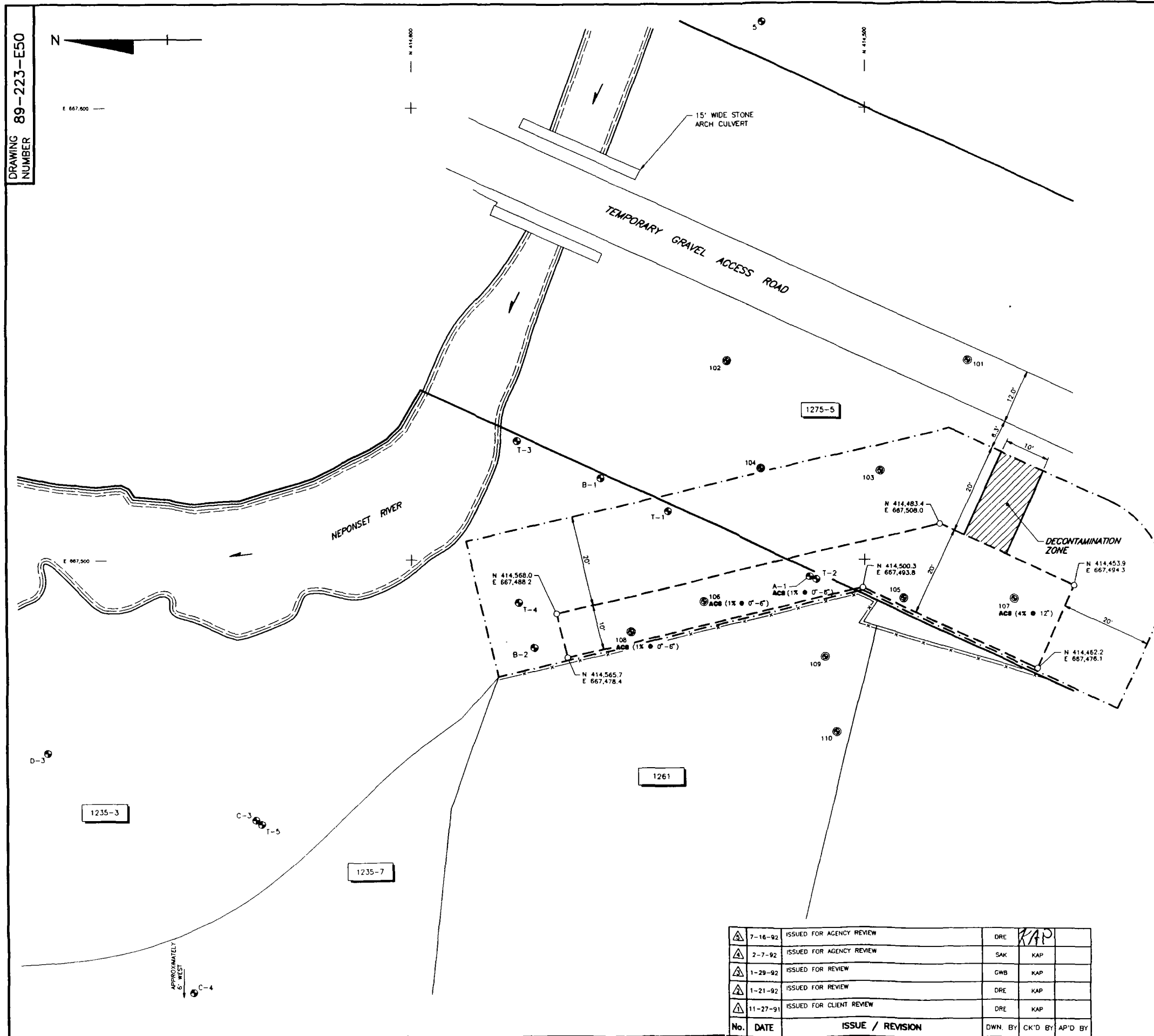
SCALE

10 0 10 20

CanonieEnvironmenta

DATE: 10-25-91	SHEET 15	DRAWING NUMBER	89-223-E49	
SCALE: AS SHOWN				

DRAWING NUMBER
89-223-E50



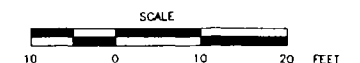
LEGEND:

- x—x— FENCE
- ON-FACILITY BOUNDARY
- - - - - LIMIT OF EXCAVATION TO A DEPTH OF 3'
- . - . - - - ANTICIPATED EXCLUSION ZONE/ TEMPORARY FENCE
- 1235-3 LOT NUMBER
- DIRECTION OF FLOW
- SOIL BORING (SEE NOTE 1)
- ⊙ SUPPLEMENTAL SOIL BORING (SEE NOTE 2)
- ⊙ T-1 PRE-CONSTRUCTION SAMPLING SOIL BORING (SEE NOTE 4)
- ACS ASBESTOS-CONTAINING SOILS TO BE ADDRESSED IN THE REMOVAL ACTION (SEE NOTE 3)

NOTES:

- SOIL BORINGS WERE TAKEN AS PART OF THE INITIAL SITE ASSESSMENT INVESTIGATION (JANUARY 17, 1989 TO APRIL 7, 1989). SOIL SAMPLES WERE ANALYZED FOR ASBESTOS AT 0" TO 6" AND 24" TO 30" DEPTH INTERVALS.
- SOIL BORINGS WERE TAKEN AS PART OF A SUPPLEMENTARY INVESTIGATION (JUNE 7, 1990 TO JUNE 13, 1990). SOIL SAMPLES WERE ANALYZED FOR ASBESTOS AT 0" TO 6" AND 24" TO 30" DEPTH INTERVALS.
- SOIL BORINGS WHICH ARE NOT FLAGGED WITH THE DESIGNATION ACS DO NOT CONTAIN SOILS REQUIRING REMEDIATION THROUGH THIS REMOVAL ACTION.
- SOIL BORINGS WITH A 'T' DESIGNATION WERE TAKEN BY CANONIE ON LOT 1235-3 APRIL 11, 1991.

DRAFT
JULY 16, 1992



LOT 1235-3
EXCAVATION PLAN
SOUTH STREET SITE, WALPOLE, MA
PREPARED FOR
SOUTH STREET SITE
PRPs

Canonie Environmental

DATE: 10-26-91	SHEET 16	DRAWING NUMBER 89-223-E50
SCALE: AS SHOWN		

No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY
1	7-16-92	ISSUED FOR AGENCY REVIEW	DRE	KAP	
2	2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP	
3	1-29-92	ISSUED FOR REVIEW	QWB	KAP	
4	1-21-92	ISSUED FOR REVIEW	DRE	KAP	
5	11-27-91	ISSUED FOR CLIENT REVIEW	DRE	KAP	

DRAWING NUMBER 89-223-E51



BRICK APARTMENT BUILDING
(2 STORY)

1232-1B

1232-1A

GLEASON COURT

1232-3

1232-1

1232-2

HOUSE

GARAGE

RAILROAD
EASEMENT

RETAINING WALL

AVERAGE EXCAVATION DEPTH 5'

DECONTAMINATION
ZONE

U-1

U-2

U-3

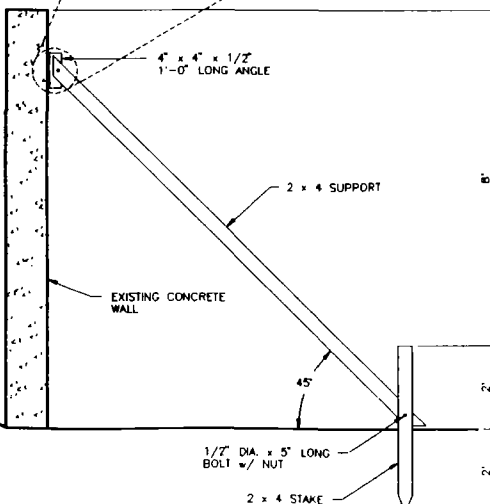
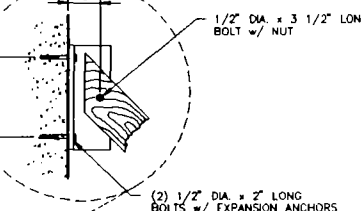
U-4

U-5

U-6

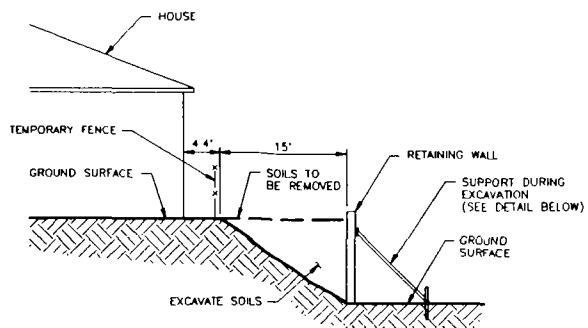
U-7

U-9



TEMPORARY WALL SUPPORT

SEE NOTE 4



APPROXIMATE EXCAVATION SOUTH OF
HOUSE ON GLEASON COURT LOT

SECTION A-A'

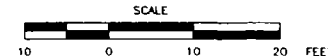
LEGEND:

- LIMIT OF EXCAVATION
- - - - - ANTICIPATED EXCLUSION ZONE/
TEMPORARY FENCE
- PROPERTY LINE
- 1232-3 LOT NUMBER
- SOIL BORING (SEE NOTE 1)
- U-1 PRE-CONSTRUCTION SAMPLING SOIL
BORING (SEE NOTE 3)
- ACS ASBESTOS-CONTAINING SOILS TO BE ADDRESSED
IN THE REMOVAL ACTION (SEE NOTE 2 AND 3)

NOTES:

1. SOIL BORINGS WERE TAKEN AS PART OF THE INITIAL SITE
ASSESSMENT INVESTIGATION (JANUARY 17, 1989 TO
APRIL 7, 1989). SOIL SAMPLES WERE ANALYZED FOR
ASBESTOS AT 0' TO 6" AND 24" TO 30" DEPTH INTERVALS.
2. SOIL BORINGS WHICH ARE NOT FLAGGED WITH THE DESIGNATION
ACS DO NOT CONTAIN SOILS REQUIRING REMEDIATION THROUGH
THIS REMOVAL ACTION.
3. SOIL BORINGS WITH A 'U' DESIGNATION WERE TAKEN BY
CANONIE ON LOT 1232-2 APRIL 11, 1991.
4. TEMPORARY WALL SUPPORTS TO BE SPACED AT TEN
FOOT INTERVALS ALONG THE RETAINING WALL.

DRAFT
JULY 16, 1992



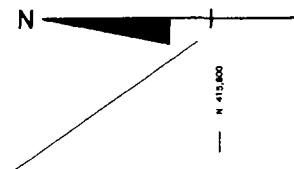
GLEASON COURT (LOT 1232-2)
EXCAVATION PLAN
SOUTH STREET SITE, WALPOLE, MA
PREPARED FOR
SOUTH STREET SITE
PRPs

Canonie Environmental

7-16-92	ISSUED FOR AGENCY REVIEW	DRE	KAP	
2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP	
1-29-92	ISSUED FOR REVIEW	GWB	KAP	
1-21-92	ISSUED FOR REVIEW	DRE	KAP	
11-27-91	ISSUED FOR CLIENT REVIEW	DRE	KAP	
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY

DATE: 10-26-91	SHEET 17	DRAWING NUMBER
SCALE: AS SHOWN		89-223-E51

DRAWING NUMBER 89-223-E53

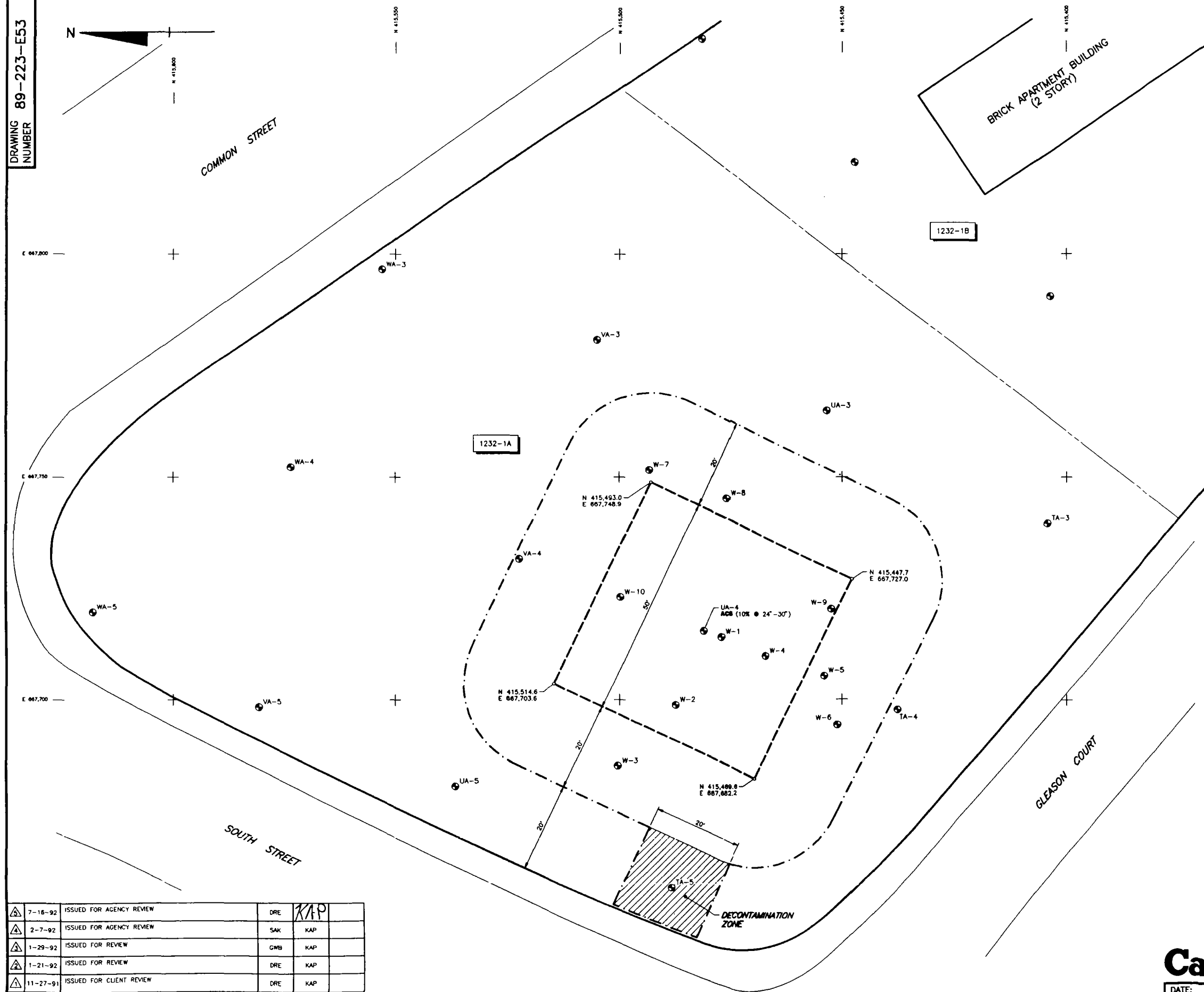


COMMON STREET

BRICK APARTMENT BUILDING
(2 STORY)

LEGEND:

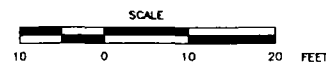
- OFF-FACILITY BOUNDARY
- - - - - LIMIT OF EXCAVATION TO A DEPTH OF 3'
- . - . - - ANTICIPATED EXCLUSION ZONE/TEMPORARY FENCE
- 1232-A1 LOT NUMBER
- ⊕ SOIL BORING (SEE NOTE 1)
- ⊕ W-1 PRE-CONSTRUCTION SAMPLING SOIL BORING (SEE NOTE 3)
- ACS ASBESTOS-CONTAINING SOILS TO BE ADDRESSED IN THE REMOVAL ACTION (SEE NOTE 2)



NOTES:

1. SOIL BORINGS WERE TAKEN AS PART OF THE INITIAL SITE ASSESSMENT INVESTIGATION (JANUARY 17, 1989 TO APRIL 7, 1989). SOIL SAMPLES WERE ANALYZED FOR ASBESTOS AT 0" TO 6" AND 24" TO 30" DEPTH INTERVALS.
2. SOIL BORINGS WHICH ARE NOT FLAGGED WITH THE DESIGNATION ACS DO NOT CONTAIN SOILS REQUIRING REMEDIATION THROUGH THIS REMOVAL ACTION.
3. SOIL BORINGS WITH A 'W' DESIGNATION WERE TAKEN BY CANONIE ON LOT 1232-1A APRIL 11, 1991.

DRAFT
JULY 16, 1992



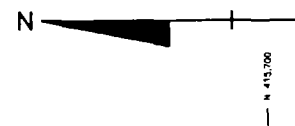
VACANT LOT (LOT 1232-1A)
EXCAVATION PLAN
SOUTH STREET SITE, WALPOLE, MA
PREPARED FOR
SOUTH STREET SITE
PRPs

Canonie Environmental

	7-16-92	ISSUED FOR AGENCY REVIEW	DRE	KAP	
	2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP	
	1-29-92	ISSUED FOR REVIEW	GWB	KAP	
	1-21-92	ISSUED FOR REVIEW	DRE	KAP	
	11-27-91	ISSUED FOR CLIENT REVIEW	DRE	KAP	
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY

DATE: 10-26-91	SHEET 18	DRAWING NUMBER 89-223-E53
SCALE: AS SHOWN		

DRAWING NUMBER 89-223-E54



E 664,200

E 664,100

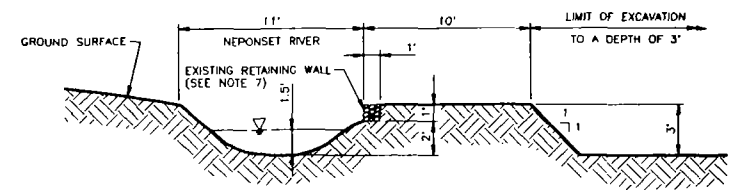
E 664,000

N 415,800

N 415,500

N 415,200

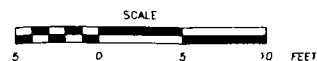
N 415,000



RELATION OF WATER ELEVATION TO BOTTOM OF EXCAVATION

VIEW LOOKING NORTHEASTERLY

SECTION A-A'



SCALE

5 0 5 10 FEET

LEGEND:

- OFF-FACILITY BOUNDARY
- - - - - LIMIT OF EXCAVATION TO A DEPTH OF 3'
- . - . - - ANTICIPATED EXCLUSION ZONE/ TEMPORARY FENCE
- - - - - PROPERTY LINE
- 1245-8 LOT NUMBER
- ⊕ SOIL BORING (SEE NOTE 1)
- ⊙ SUPPLEMENTAL SOIL BORING (SEE NOTE 2)
- ⊕^{X-1} PRE-CONSTRUCTION SAMPLING SOIL BORING (SEE NOTE 4)
- ACB ASBESTOS-CONTAINING SOILS TO BE ADDRESSED IN THE REMOVAL ACTION (SEE NOTE 3)
- DIRECTION OF FLOW
- ▲ PROPOSED AIR MONITORING STATION
- ▨ ADDITIONAL EXCAVATION AREA (SEE NOTE 6 AND 7)

NOTES:

1. SOIL BORINGS WERE TAKEN AS PART OF THE INITIAL SITE ASSESSMENT INVESTIGATION (JANUARY 17, 1989 TO APRIL 7, 1989). SOIL SAMPLES WERE ANALYZED FOR ASBESTOS AT 0' TO 6" AND 24" TO 30" DEPTH INTERVALS.
2. SOIL BORINGS WERE TAKEN AS PART OF A SUPPLEMENTARY INVESTIGATION (JUNE 7, 1990 TO JUNE 13, 1990). SOIL SAMPLES WERE ANALYZED FOR ASBESTOS AT 0' TO 6" AND 24" TO 30" DEPTH INTERVALS.
3. SOIL BORINGS WHICH ARE NOT FLAGGED WITH THE DESIGNATION ACS DO NOT CONTAIN SOILS REQUIRING REMEDIATION THROUGH THIS REMOVAL ACTION.
4. SOIL BORINGS WITH A "X" DESIGNATION WERE TAKEN BY CANONIE ON LOT 1245-8 AND LOT 1245-9 APRIL 11, 1991.
5. EXCLUSION ZONE WILL BE EXPANDED AS NECESSARY TO MAINTAIN A MINIMUM OF 20' FROM EXCAVATION AREAS.
6. THE AREA ADJACENT TO THE NEPONSET RIVER SHALL BE EXCAVATED IN 20' LONG x 10' WIDE SECTIONS. THE EXCAVATED SOIL SHALL BE REPLACED WITH ORDINARY BORROW TYPE M1.01.0 BEFORE PROCEEDING TO THE NEXT SECTION.
7. THE EXISTING RETAINING WALL SHALL BE REBUILT UTILIZING THE ORIGINAL STONE MATERIAL.

DRAFT

JULY 16, 1992



ORLANDO PROPERTY
(LOTS 1245-8 AND 1245-9)
EXCAVATION PLAN AND PROPOSED
AIR MONITORING STATION LOCATIONS
SOUTH STREET SITE, WALPOLE, MA

PREPARED FOR

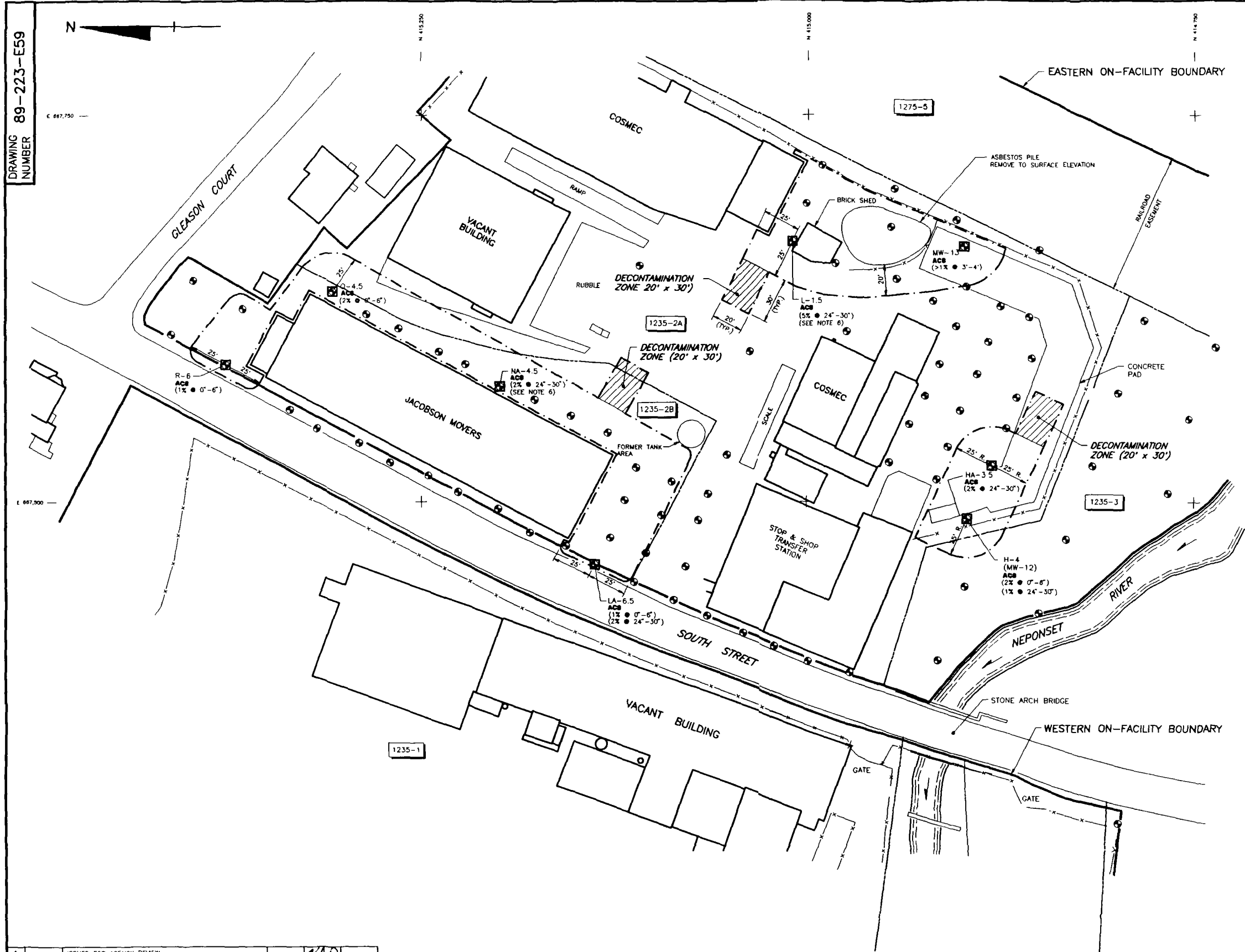
**SOUTH STREET SITE
PRPs**

Canonie Environmental

7-16-92	ISSUED FOR AGENCY REVIEW	DRE	KAP	
2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP	
1-29-92	ISSUED FOR REVIEW	GWB	KAP	
1-21-92	ISSUED FOR REVIEW	DRE	KAP	
11-27-91	ISSUED FOR CLIENT REVIEW	DRE	KAP	
No.	DATE	ISSUE / REVISION		DWN BY CK'D BY AP'D BY

DATE: 10-26-91	SHEET 19	DRAWING NUMBER 89-223-E54
SCALE: AS SHOWN		

DRAWING
NUMBER 89-223-E59



LEGEND:

- FENCE
- DIRECTION OF FLOW
- ON-FACILITY BOUNDARY
- PROPERTY LINE
- 1275-5 LOT NUMBER
- SOIL BORING (SEE NOTE 1 AND 2)
- EXCAVATION LOCATION, 5' x 5' x (ACS DEPTH) (SEE TABLE 1 AND NOTE 5)
- ACS ASBESTOS-CONTAINING SOILS TO BE ADDRESSED IN THE REMOVAL ACTION (SEE NOTE 4)
- ANTICIPATED EXCLUSION ZONE/TEMPORARY FENCE

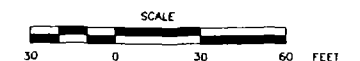
TABLE 1			
SOIL BORING No.	EXCAVATION DEPTH (FEET)	COORDINATES	
		NORTH	EAST
H-4 (MW-12)	3	414,897.1	667,489.0
HA-3.5	1	414,881.4	667,523.3
L-1.5	3	415,009.8	667,668.2
LA-6.5	3	415,138.2	667,438.5
MW-13	4	414,899.5	667,665.0
NA-4.5	3	415,199.0	667,574.4
Q-4.5	1	415,307.7	667,636.1
R-6	1	415,377.2	667,588.5

NOTES:

1. SOIL BORINGS WERE TAKEN AS PART OF THE INITIAL SITE ASSESSMENT INVESTIGATION. (JANUARY 17, 1989 TO APRIL 7, 1989)
2. SOIL BORINGS WERE TAKEN AS PART OF A SUPPLEMENTARY INVESTIGATION. (JUNE 7, 1990 TO JUNE 13, 1990)
3. SOIL SAMPLES WERE ANALYZED FOR ASBESTOS AT 0' TO 6' AND 24' TO 30' DEPTH INTERVALS.
4. SOIL BORINGS WHICH ARE NOT FLAGGED WITH THE DESIGNATION ACS DO NOT CONTAIN SOILS REQUIRING REMEDIATION THROUGH THIS REMOVAL ACTION.
5. EXCAVATION LIMITS WILL BE DEPENDANT ON CONFIRMATION SAMPLING. EXCAVATION SHALL CONTINUE UNTIL CLEANUP CRITERION IS ACHIEVED.
6. EXCAVATION BELOW DEPTH OF BUILDING FOUNDATION SHALL REQUIRE FOUNDATION SHORING.

DRAFT

JULY 16, 1992



EASTERN ON-FACILITY AREA
EXCAVATION PLAN
SOUTH STREET SITE, WALPOLE, MA
PREPARED FOR
SOUTH STREET SITE
PRPs

CanonieEnvironmental

7-16-92	ISSUED FOR AGENCY REVIEW	DRE	KAP
2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP
1-29-92	ISSUED FOR REVIEW	GWB	KAP
1-21-92	ISSUED FOR REVIEW	DRE	KAP
11-27-91	ISSUED FOR CLIENT REVIEW	DRE	KAP
No.	DATE	ISSUE / REVISION	DWN. BY CK'D BY AP'D BY

REFERENCES:

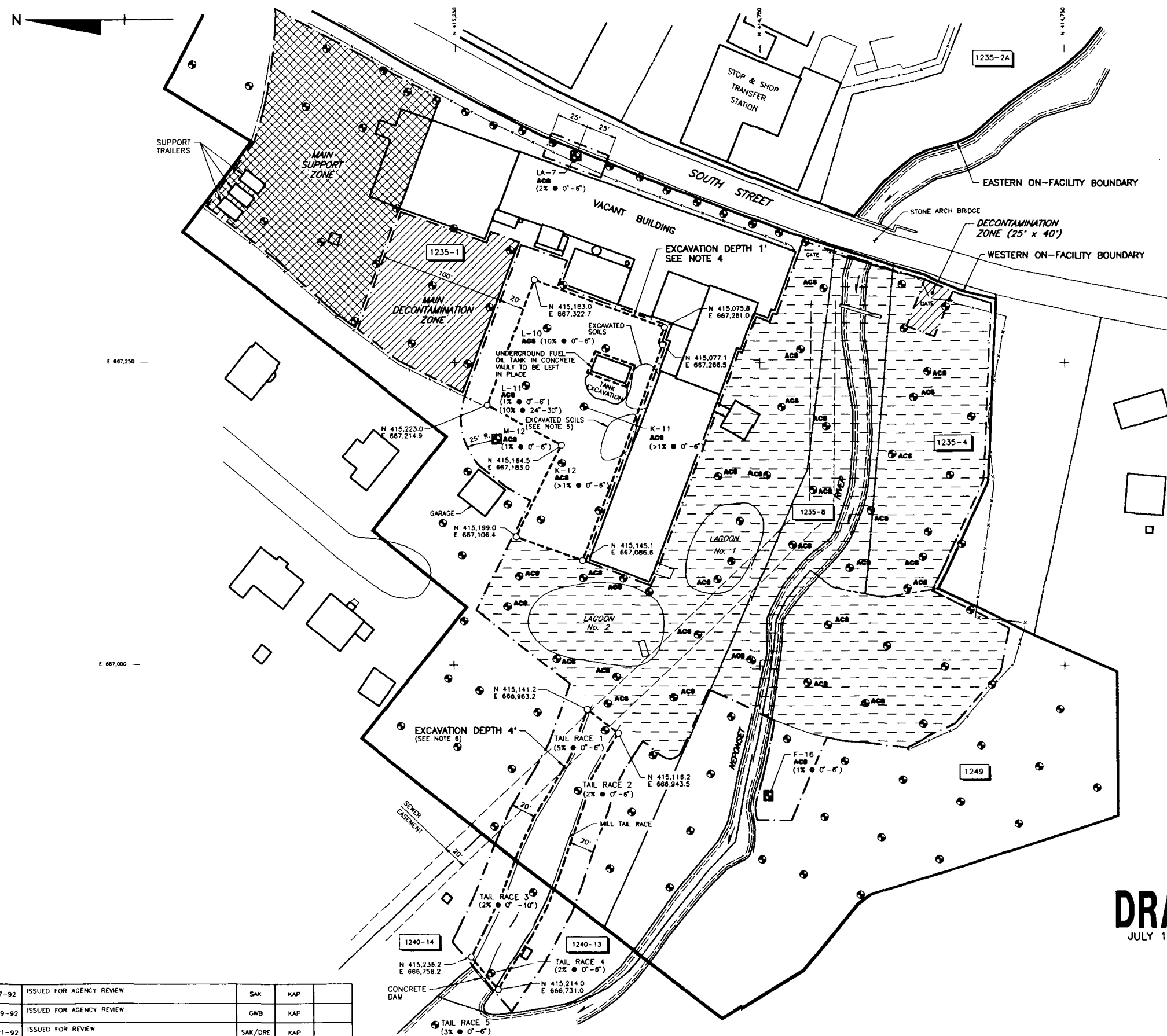
- DAMES & MOORE, PLATE No. 4 (SHEET 1 of 2), 8-14-89
- "WALPOLE MAPPING PROJECT", JAMES W. SEWALL COMPANY, JULY 1990.

DATE: 10-28-91
SCALE: AS SHOWN

SHEET 20

DRAWING NUMBER
89-223-E59

2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP	
1-29-92	ISSUED FOR AGENCY REVIEW	GWB	KAP	
1-21-92	ISSUED FOR REVIEW	SAK/DRE	KAP	
11-27-92	ISSUED FOR REVIEW	MAM	KAP	
7-18-92	ISSUED FOR AGENCY REVIEW	DRE	KAP	
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY



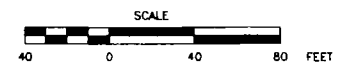
LEGEND:

- FENCE
- DIRECTION OF FLOW
- DITCH OR CREEK
- PROPERTY LINE
- ON-FACILITY BOUNDARY
- LOT NUMBER
- SOIL BORING (SEE NOTE 1)
- ASBESTOS-CONTAINING SOILS TO BE ADDRESSED IN THE REMOVAL ACTION (SEE NOTE 3)
- EXCAVATION LOCATION, 5' x 5' x (ACS DEPTH) (SEE TABLE 1)
- EXCAVATION BOUNDARY
- ANTICIPATED EXCLUSION ZONE/TEMPORARY FENCE
- AREA FOR CONSOLIDATION/CONTAINMENT OF EXCAVATED SOILS
- DECONTAMINATION ZONE
- SUPPORT ZONE

SOIL BORING No.	EXCAVATION DEPTH (FEET)	COORDINATES	
		NORTH	EAST
LA-7	1	415,151.2	667,420.6
M-12	1	415,215.0	667,186.7
F-16	1	414,993.5	666,892.9

NOTES:

- SOIL BORINGS WERE TAKEN AS PART OF THE INITIAL SITE ASSESSMENT INVESTIGATION. (JANUARY 17, 1989 TO APRIL 7, 1989)
- SOIL SAMPLES WERE ANALYZED FOR ASBESTOS AT 0' TO 6' AND 24' TO 30' DEPTH INTERVALS.
- SOIL BORINGS WHICH ARE NOT FLAGGED WITH THE DESIGNATION ACS DO NOT CONTAIN SOILS REQUIRING REMEDIATION THROUGH THIS REMOVAL ACTION.
- AREA EXCAVATED TO A DEPTH OF 1' SHALL BE REGRADED AND PAVED.
- EXCAVATED SOILS SHALL BE SAMPLED AND ANALYZED TO DETERMINE PROPER DISPOSAL PROCEDURE.
- TAIL RACE SEDIMENTS SHALL BE MIXED WITH LIME PRIOR TO PLACEMENT IN LINED LAGOON No. 2 CONTAINMENT AREA. SEE DRAWING 89-223-E82 FOR DETAILS.



DRAFT
JULY 16, 1992

WESTERN ON-FACILITY AREA
EXCAVATION PLAN
SOUTH STREET SITE, WALPOLE, MA
PREPARED FOR
SOUTH STREET SITE
PRPs

CanonieEnvironmental

DATE: 10-28-91	SHEET 21	DRAWING NUMBER 89-223-E60
SCALE: AS SHOWN		

REFERENCES:

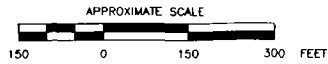
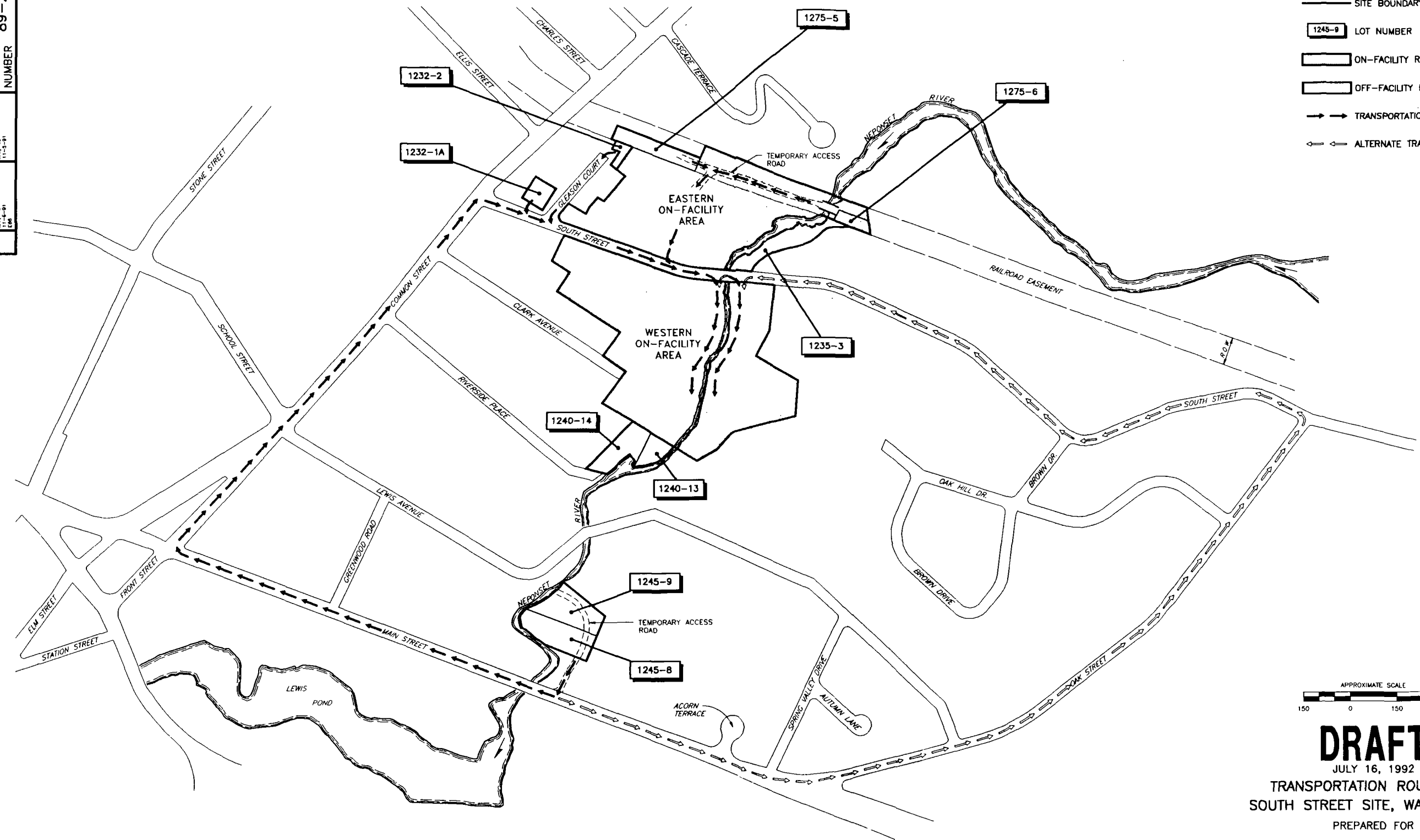
- DAMES & MOORE, PLATE No. 4 (SHEET 1 of 2), 8-14-89.
- WALPOLE MAPPING PROJECT, JAMES W. SEWALL COMPANY, JULY 1990.

DRAWING NUMBER 89-223-E69

89-223-E68
11-5-91
89-223-E67
11-5-91
89-223-E66
11-5-91



- LEGEND:**
- DIRECTION OF FLOW
 - SITE BOUNDARY
 - 1245-9 LOT NUMBER
 - ON-FACILITY REMOVAL AREA
 - OFF-FACILITY REMOVAL AREA
 - TRANSPORTATION ROUTE
 - ALTERNATE TRANSPORTATION ROUTE



DRAFT
JULY 16, 1992
TRANSPORTATION ROUTE MAP
SOUTH STREET SITE, WALPOLE, MA
PREPARED FOR
SOUTH STREET SITE
PRPs

CanonieEnvironmental

7-16-92	ISSUED FOR AGENCY REVIEW	DRE	KAP	
2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP	
1-29-92	ISSUED FOR REVIEW	CWB	KAP	
1-21-92	ISSUED FOR REVIEW	DRE	KAP	
11-27-91	ISSUED FOR CLIENT REVIEW	M.A.N.	KAP	
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY
			AP'D BY	

REFERENCES:
- 'SITE PLAN', DAMES & MOORE,
WALPOLE, MASSACHUSETTS
- TAX ASSESSOR'S MAP

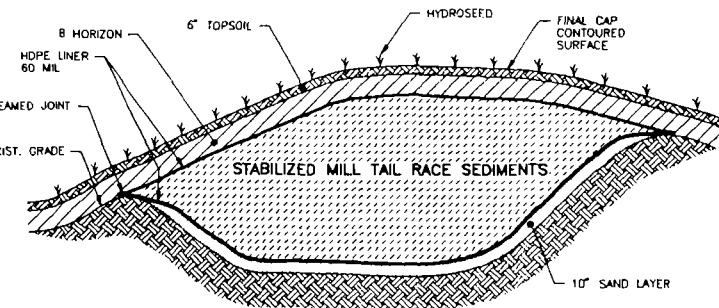
89-223-E67
11-6-91 REV. 2
89-223-E66
11-5-91 REV. 2

DATE: 11-6-91
SCALE: AS SHOWN

SHEET 22

DRAWING NUMBER
89-223-E69

DRAWING NUMBER 89-223-E82



LAGOON No. 2 CONTAINMENT AREA TYPICAL CROSS-SECTION
SECTION A-A'
NOT TO SCALE

LEGEND:

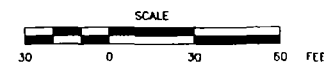
- x—x— FENCE
- >— DIRECTION OF FLOW
- DRAINAGE SWALE (SEE NOTE 2)
- ON-FACILITY BOUNDARY
- 164— EXISTING SITE TOPOGRAPHY (FEET MSL)
- 152— SITE CAP CONTOURS (FEET MSL)
- LIMIT OF SITE CAP
- ▭ PAVED AREA (SEE NOTE 5)
- MH EXISTING MANHOLE
- MH PROPOSED MANHOLE
- ▭ COMPENSATORY WETLAND CREATION AREA (APPROXIMATE AREA = 0.4 ACRES)

NOTES:

1. FOR TYPICAL SECTIONS OF CULVERT AND COVER SEE DWG. 89-223-E48.
2. THE DRAINAGE SWALE SHALL BE CONSTRUCTED BY CONTOURING THE FINAL CAP TO ACHIEVE THE INDICATED FLOW DIRECTION. DRAINAGE SWALE SECTIONS WITH SLOPES IN EXCESS OF 6H:1V SHALL BE LINED WITH RIP-RAP FOR EROSION PROTECTION.
3. ASPHALT PAVED PORTAGE PATH PROVIDED AS AN ALTERNATE ROUTE FOR CANOE PASSAGE. TIMBERED STEPS SHALL BE PROVIDED WHERE SLOPE IS GREATER THAN 4H:1V. SEE DRAWING 89-223-E70 FOR TYPICAL CROSS-SECTION.
4. MILL TAIL RACE SEDIMENTS SHALL BE STABILIZED WITH LIME PRIOR TO PLACEMENT IN CONTAINMENT CELL.
5. FOR DETAILED CROSS-SECTION OF PAVED AREA SEE DRAWING 89-223-E70.

DRAFT

JULY 16, 1992



ON-FACILITY COVER
PLAN
SOUTH STREET SITE, WALPOLE, MA
PREPARED FOR
**SOUTH STREET SITE
PRPs**

CanonieEnvironmental

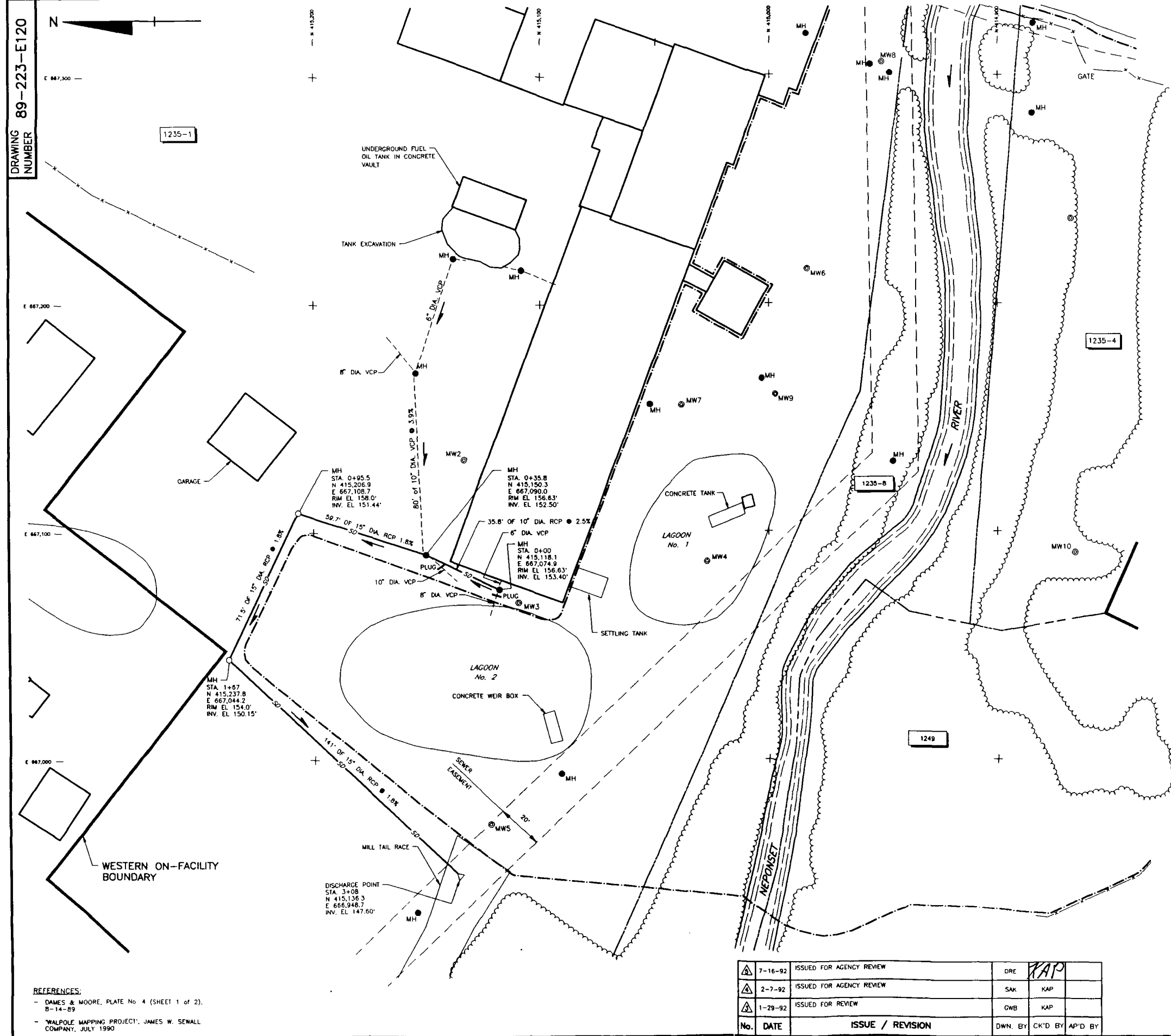
7-16-92	ISSUED FOR AGENCY REVIEW	MJM	KAP	
2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP	
1-29-92	ISSUED FOR REVIEW	GWB	KAP	
1-21-92	ISSUED FOR REVIEW	DRE	KAP	
11-27-91	ISSUED FOR CLIENT REVIEW	SAK	KAP	
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY

REFERENCES:

- DAMES & MOORE, PLATE No. 4 (SHEET 1 of 2), 8-14-88
- "WALPOLE MAPPING PROJECT", JAMES W. SEWALL COMPANY, JULY 1990.

DATE: 11-25-91	SHEET 23	DRAWING NUMBER 89-223-E82
SCALE: AS SHOWN		

DRAWING NUMBER
89-223-E120



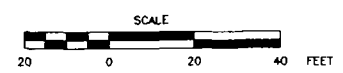
LEGEND:

- X—X— FENCE
- DIRECTION OF FLOW
- PROPERTY BOUNDARY
- ON-FACILITY BOUNDARY
- 1235-4 LOT NUMBER
- WOODEN CLEAR EDGE OF WOODED AREA
- MH MANHOLE (EXISTING) (SEE NOTE 3)
- MH MANHOLE (PROPOSED) (SEE NOTE 3)
- ⊙ MW MONITORING WELL
- SD--- EXISTING STORM DRAIN (SEE NOTE 2)
- SD— PROPOSED (RE-ROUTED) STORM DRAIN (SEE NOTE 2)
- VCP VITRIFIED CLAY PIPE
- RCP REINFORCED CONCRETE PIPE
- LIMIT OF SITE CAP

NOTES:

1. CANONIE ASSIGNED STATIONS 0+00 TO 3+08 FOR REROUTED STORM DRAINS.
2. ALL UTILITY LINE LOCATIONS ARE APPROXIMATE.
3. ALL ELEVATIONS SHOWN ARE GEODETIC VERTICAL DATUM (USGS-NGVD). WALPOLE LOCAL DATUM ELEVATION IS EQUAL TO USGS ELEVATION PLUS 5.62'.

DRAFT
JULY 16, 1992



UTILITY RELOCATION PLAN OF
WESTERN ON-FACILITY STORM DRAIN
STATION 0+00 TO STATION 3+08
SOUTH STREET SITE, WALPOLE, MA
PREPARED FOR
SOUTH STREET SITE
PRPs

REFERENCES:
- DAMES & MOORE, PLATE No. 4 (SHEET 1 of 2),
B-14-89
- "WALPOLE MAPPING PROJECT", JAMES W. SEWALL
COMPANY, JULY 1990

7-16-92	ISSUED FOR AGENCY REVIEW	DRE	KAP	
2-7-92	ISSUED FOR AGENCY REVIEW	SAK	KAP	
1-29-92	ISSUED FOR REVIEW	GWB	KAP	
No.	DATE	ISSUE / REVISION		
		DWN. BY	CK'D BY	AP'D BY

CanonieEnvironmental

DATE: 1-3-92	SHEET 24	DRAWING NUMBER 89-223-E120
SCALE: AS SHOWN		