

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



CITY OF WATERVILLE
KENNEBEC COUNTY
I-95 NB & SB BRIDGES
OVER
COUNTY RD.,
MESSALONSKEE STREAM
& MAIN ST.
I-95 NB & SB

PROJECT No. IM-95-7800(100)E,
IM-95-7789(100)E, IM-95-8695(100)E
PROJECT LENGTH 0.9 mi.
SUBSTRUCTURE REHABILITATION
BRIDGE NO. NB-5816, SB-1459;
NB-5817, SB-1458; NB-5818, SB-1457

LIST OF DRAWINGS

Title Sheet	1
Estimated Quantities	2
General Plan	3
Skematic Profile	4
Traffic Plan	5
Alternate Route Plan	6
Construction Limits	7
Pier Rehabilitation Sequencing and Details	8
County Road Sheets	9-14
Estimated Repair Areas to Abutments	15
Messalonskee Stream Sheets	16-35
Main Street Sheets	36-37
Right of Way Information	1-4

SPECIFICATIONS

DESIGN: AASHTO Standard Specifications for Highway Bridges,
Sixteenth Edition 1996 and Interim Specifications through 2002.

DESIGN LOADING

Live Load HS - 20

TRAFFIC DATA

Current (2005) AADT	11,300
Future (2025) AADT	16,950
DHV - % of AADT	13
Design Hour Volume	2,204
% Heavy Trucks (AADT)	17
% Heavy Trucks (DHV)	9
Directional Distribution (DHV)	100
18 kip Equivalent P 2.0	2147
18 kip Equivalent P 2.5	2045
Design Speed (mph)	65

HYDROLOGIC DATA

N/A

MATERIALS

Concrete (Unless noted otherwise)	Class "A"
Reinforcing Steel	ASTM A615/A615M, Grade 60

BASIC DESIGN STRESSES

Concrete	f'c = 4,350 psi
Reinforcing Steel	f _y = 60,000 psi

UTILITIES

Central Maine Power Co.	Kennebec Water District
Verizon	Adelphia
Mid Maine Telecom	Guilford Rail System

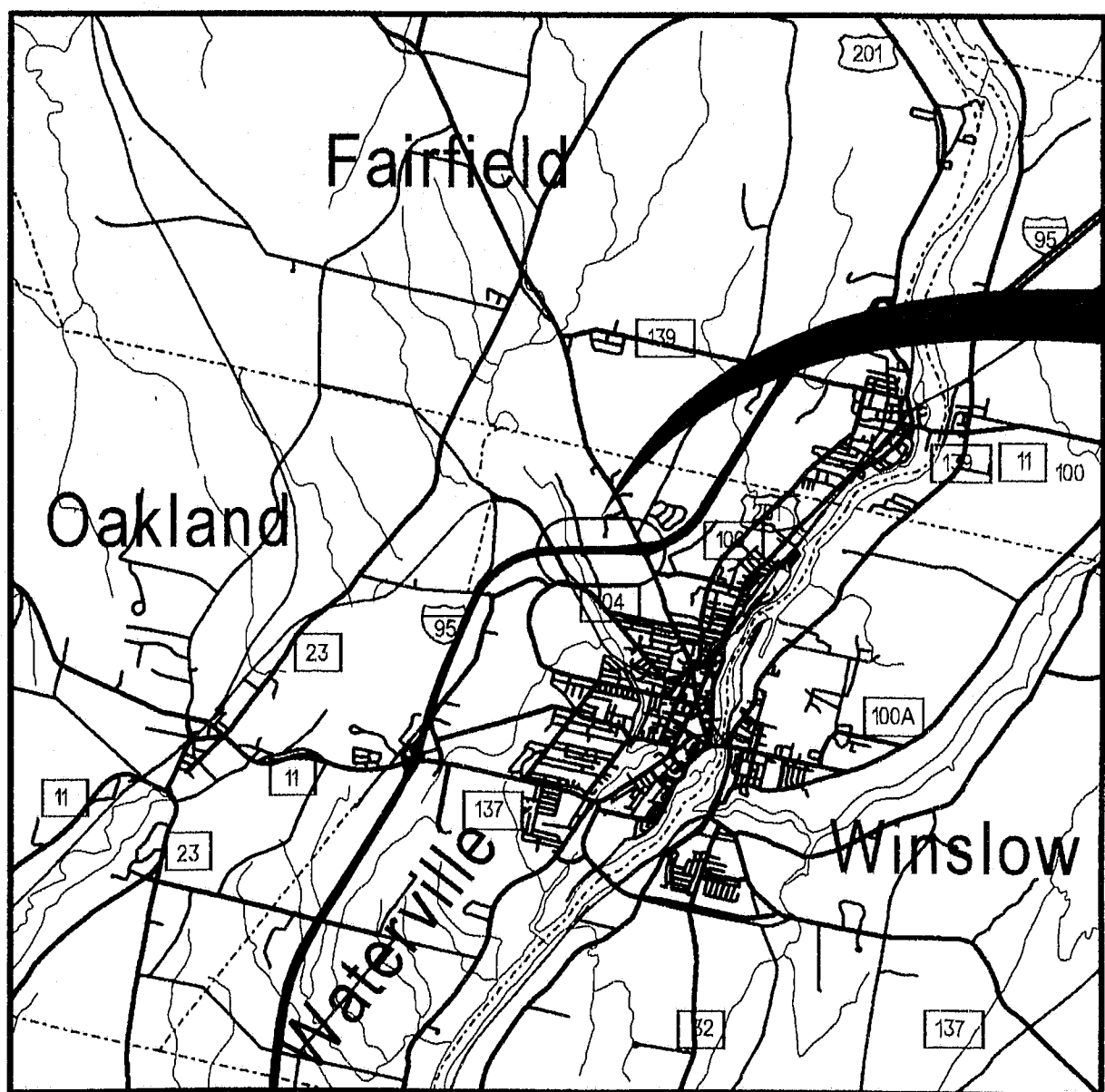
MAINTENANCE OF TRAFFIC

Maintain traffic as shown in the Traffic Plan and in the Special Provisions.

SCOPE OF WORK:

Repair Concrete on:	Piers:
County Road	NB & SB 1, 2-3
Messalonskee Stream	NB & SB 1-10
Main Street	SB 1, 2
Abutments	

Areas to be Repaired must conform to General Note #2, Project Specifications and Plans



LOCATION MAP

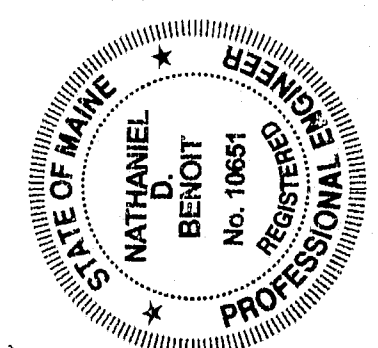


Scale in Miles

IM-95-7800(100)E
IM-95-7789(100)E
IM-95-8695(100)E
PIN 7800.10
7789.10
8695.10

141-435

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
	<i>[Signature]</i>	11/6/05
COMMISSIONER:		
CHIEF ENGINEER:		



SIGNATURE	DATE
<i>Nathaniel Benoit</i>	10/31/05
P.E. NUMBER	
10651	

PROJECT INFORMATION	BRIDGE PROGRAM	PROJECT MANAGER	DESIGNER	CONSULTANT	PROJECT RESIDENT	CONTRACTOR	PROJECT COMPLETION DATE
	WAYNE FRANKHAUSER						

WATERVILLE I-95 NB & SB TITLE SHEET	SHEET NUMBER 1 OF 37
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ESTIMATED QUANTITIES						
ITEM NO.	DESCRIPTION	QUANTITY				TOTAL
		COUNTY RD.	MESS. STRM.	MAIN ST.	UNIT	
	PIN	7800.10	7789.10	8695.10		
203.25	GRANULAR BORROW	6	55	5	CY	66
206.082	STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	6	55	5	CY	66
503.12	REINFORCING STEEL, FABRICATION & DELIVERY	502	4,030	185	LB	4,717
503.13	REINFORCING STEEL, PLACING	502	4,030	185	LB	4,717
503.17	MECHANICAL WELDED SPLICE	10	85	5	EA	100
511.07	COFFERDAM	0	1	0	LS	1
514.06	CURING BOX FOR CONCRETE CYLINDER	1	1	1	EA	3
518.51	REPAIR OF UPWARD FACING SURFACES - below REINF. STEEL < 7.9"	406	297	57	SF	760
518.52	REPAIR OF UPWARD FACING SURFACES - > 7.9"	0.5	0.4	0.1	CY	1
518.60	REPAIR OF VERTICAL SURFACES < 7.9"	777	10,430	360	SF	11,567
518.61	REPAIR OF VERTICAL SURFACES - > 7.9"	0.75	8.95	0.3	CY	10
518.70	REPAIR OF OVERHEAD SURFACES < 7.9"	262	902	115	SF	1,279
518.71	REPAIR OF OVERHEAD SURFACES - > 7.9"	0.2	0.7	0.1	CY	1
603.17	18" CULV PIPE OPTION 1	40	0	0	LF	40
615.07	LOAM	6	54	5	CY	65
618.141	SEEDING METHOD NUMBER 3 - PLAN MEASURE	1	2	1	UN	4
619.1201	MULCH - PLAN QUANTITY	1	2	1	UN	4
627.711	WH OR YELL PAINT PYMT MARKING LINE	3885	11655	1592	LF	17132
629.05	HAND LABOR, STRAIGHT TIME	8	68	4	HR	80
631.12	ALL-PURPOSE EXC (INC OPERATOR)	4	34	2	HR	40
631.172	TRUCK-LARGE (INC OPERATOR)	4	34	2	HR	40
639.18	FIELD OFFICE TYPE A	0	1	0	EA	1
648.312	BALLAST	20	0	0	T	20
652.39	WORK ZONE TRAFFIC CONTROL	0.10	0.85	0.05	LS	1
652.41	PORTABLE - CHANGE MESSAGE SIGN	1	3	1	EA	5
655.511	EMBEDDED GALVANIC ANODE - From Manufacturer	178	1,513	89	EA	1,780
655.512	EMBEDDED GALVANIC ANODE - From Skowhegan Maintenance Yard	170	1,445	85	EA	1,700
656.75	TEMP. SOIL EROS. AND WATER POLL. CONTROL	0.10	0.85	0.05	LS	1
659.10	MOBILIZATION	0.10	0.85	0.05	LS	1

GENERAL CONSTRUCTION NOTES

- Contractor shall field verify all dimensions and concrete repair areas.
- Areas to be repaired marked on piers and abutments where completed in the Spring of 2004. The location, size and number of actual repair areas may have changed since the Spring of 2004. The painted areas marked on the actual Piers are not the exact limits of Concrete Repair.
- The Resident will mark or otherwise locate repair areas of the NB Messalooke Stream Bridge Right Traffic Barrier. The Contractor shall repair these areas. Payment for work shall be under Item 518.60 Repair of Vertical Surfaces.
- During Pier repairs the maximum live load in the closed area is 8 tons for traffic sequence A or B. For Traffic Sequence C no live load is allowed in the closed area.
- The Contractor shall have Signs in place, Barricades available, etc for the Alternate Route Plan as described in the 652 Maintenance of Traffic Special Provision. This Alternate Route will follow the Alternate Route Plan laid out on the Alternate Route Plan Sheet.
- All Utility Facilities shall be adjusted by the respective Utilities unless otherwise noted.
- For Construction Limits or Right-Of-Way lines, refer to Right of Way Maps or Construction Limits Sheet.
- The exact clearing limits shall be established in the field by the Resident. Payment for clearing will be incidental to related Contract Items.
- Place Loam 2" deep on Disturbed Areas around Piers.
- Erosion Control Mix may be substituted in those areas normally receiving Loam and seed as directed by the Resident. Placement shall be in accordance with Standard Specification 619, Mulch. Payment will be made under Item 619.1401 Erosion Control Mix.
- Bladders and Contractors may obtain a copy of the existing bridge plans by contacting the Project Manager. The plans are reproductions of the original drawings as prepared for the construction of the bridge. It is very unlikely that the plans will show any construction field changes or any alterations, which may have been made to the bridge during its life span.
- For the access area entrance at County Road the Contractor shall install an 18" diameter Culvert Pipe Option 1, 40 feet in length. Payment shall be payable to 603.17, 18 in Culvert Pipe Option 1.
- The field office shall be equipped with high speed cable Internet access and a security system. Payment shall be incidental to item 639.18 Field Office Type A

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		IM-95-7800(100)E, IM-95-7789(100)E	
COUNTY RD., MESSALONSKEE STRM & MAIN ST. WATERVILLE		IM-95-8695(100)E		PIN 7800.10 7789.10 8695.10	
ESTIMATED QUANTITIES		SHEET NUMBER		2	
1-95 NB and SB over		PROJECT		BRIDGE PLANS	
PROJ. MANAGER		DATE		SIGNATURE	
DESIGN-DETAILED		8/29/05		P.E. NUMBER	
CHECKED-REVIEWED ETC		8/29/05		DATE	
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

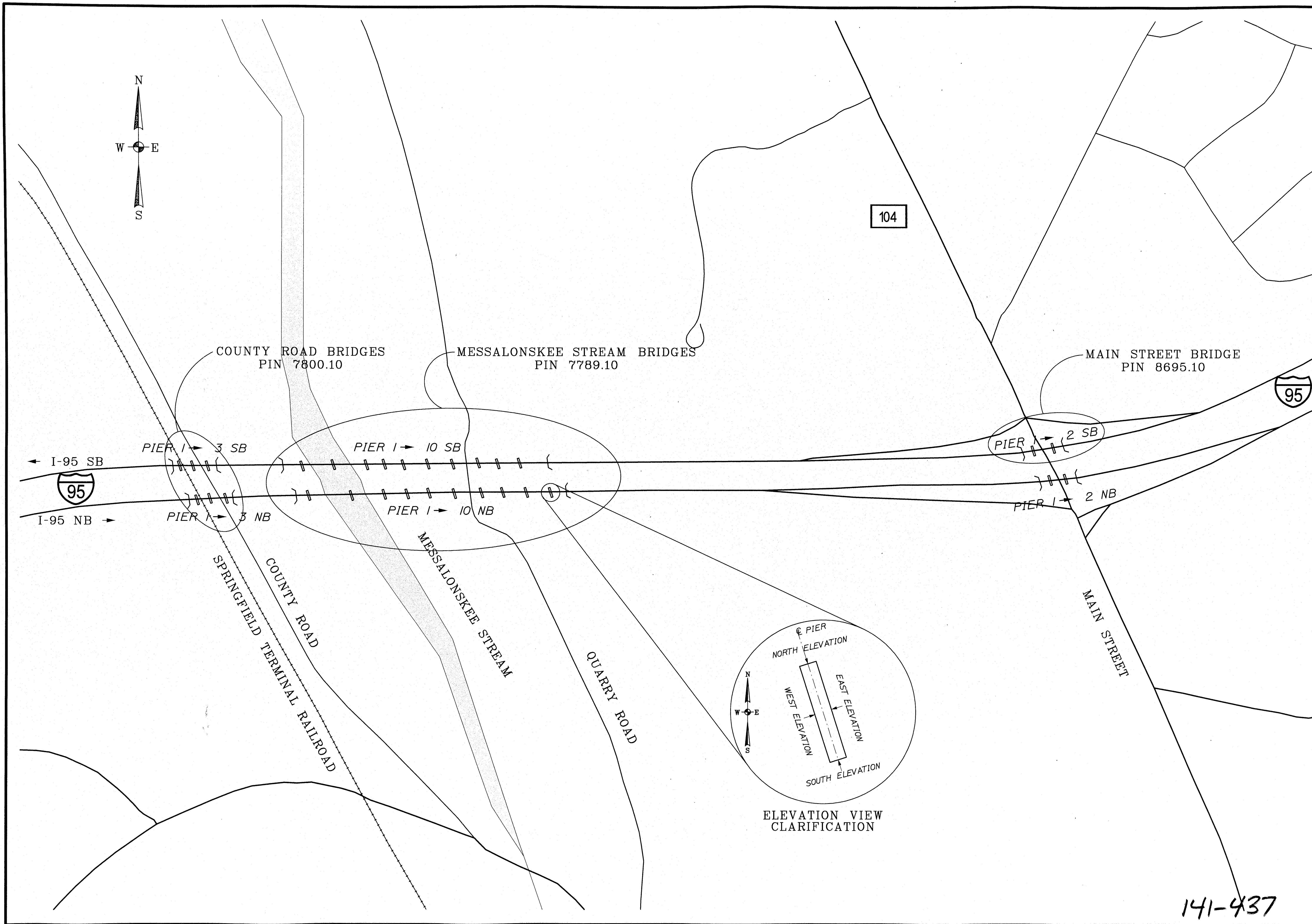
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Division: BRIDGE

Username: david.sullivan

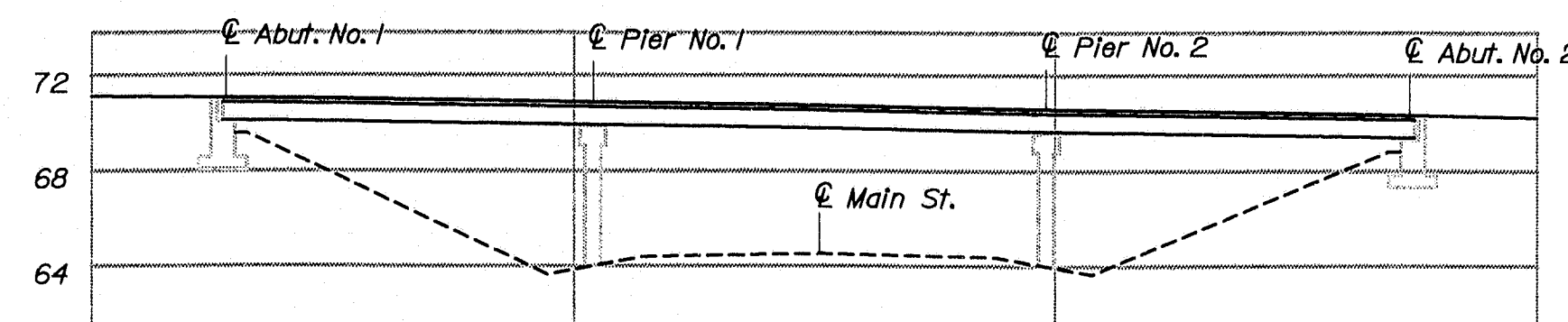
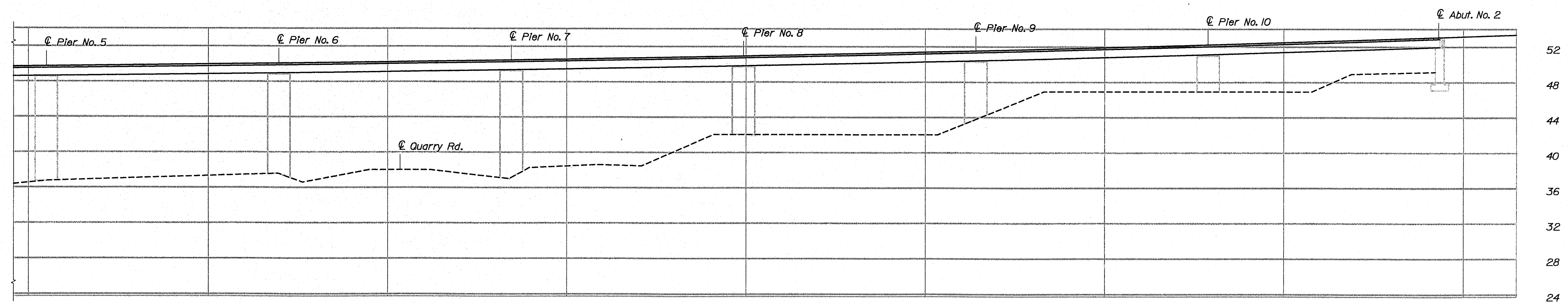
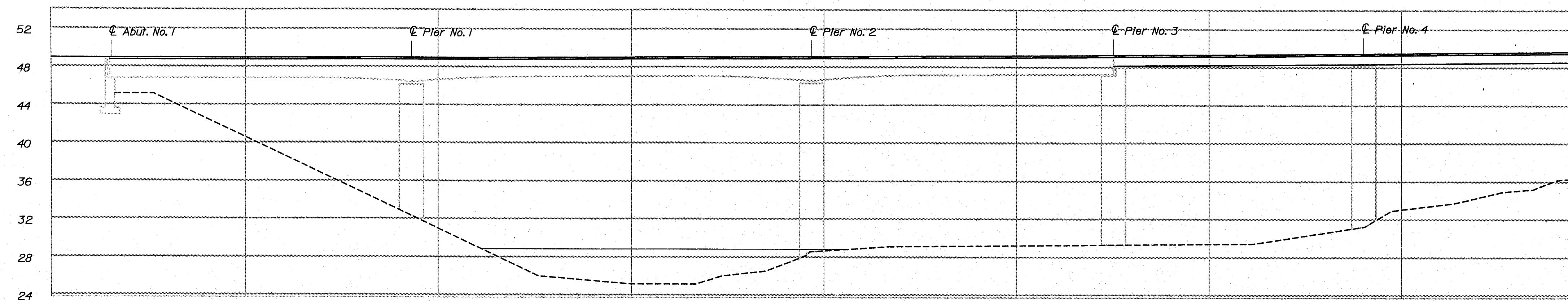
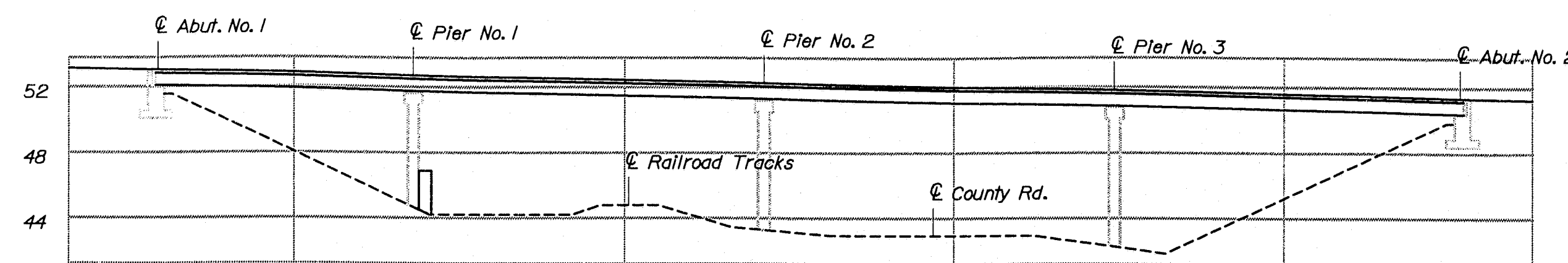
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STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		IM-95-7800(100)E, IM-95-7789(100)E		IM-95-8695(100)E	
BRIDGE NO. NB-5816, SB-1458		BRIDGE NO. NB-5817, SB-1458		BRIDGE NO. NB-5818, SB-1457		BRIDGE PLANS	
PIN 7800.10		PIN 7789.10		PIN 8695.10		PIN 8695.10	
COUNTY RD., MESSALONSKEE STRM & MAIN ST. WATERVILLE KENNEBEC		PROJECT MANAGER		BY		DATE	
GENERAL PLAN		DESIGNER		CHECKED		DATE	
SHEET NUMBER		DESIGNER		CHECKED		DATE	
3		DESIGNER		CHECKED		DATE	
OF 37		DESIGNER		CHECKED		DATE	

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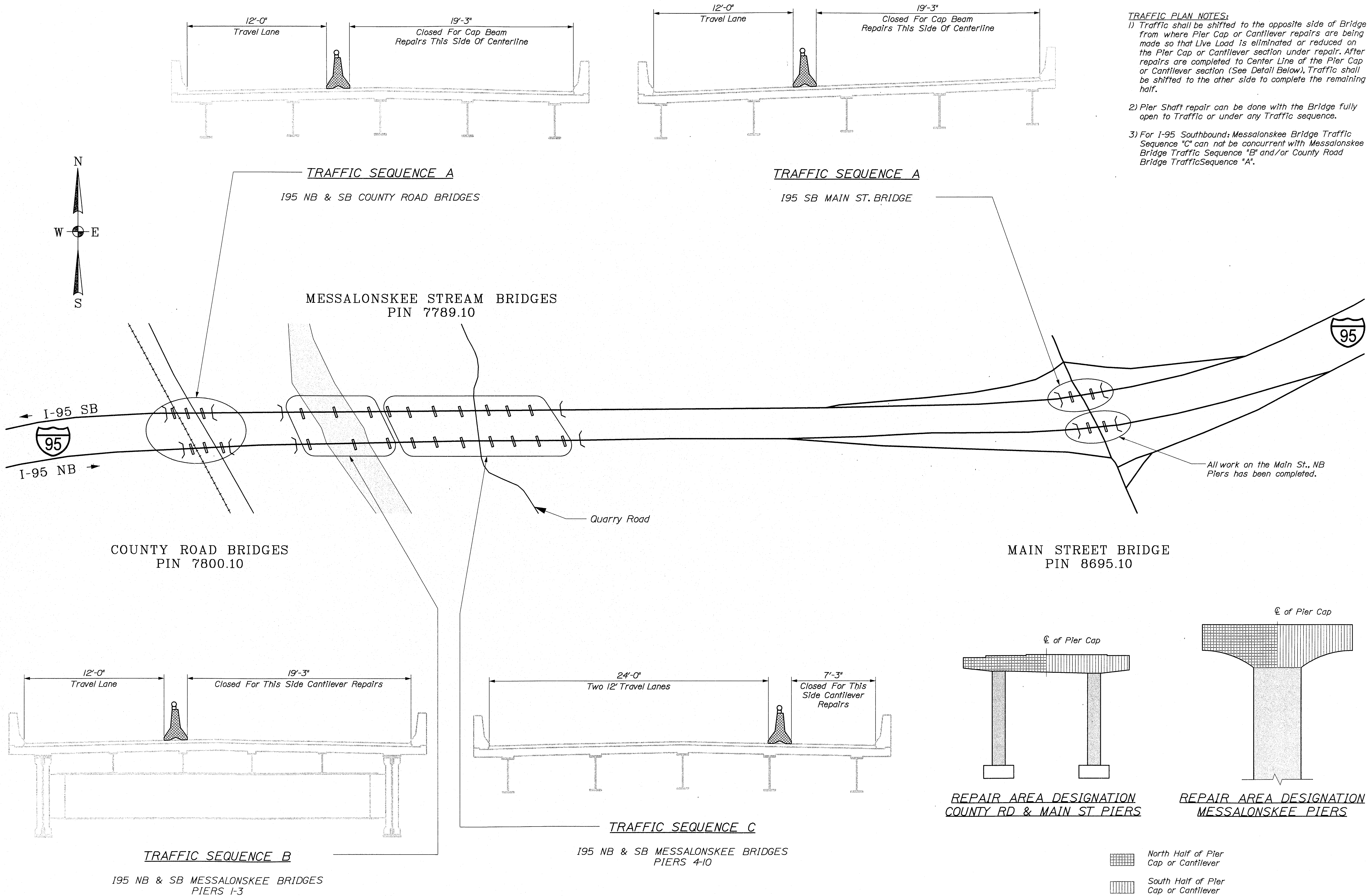
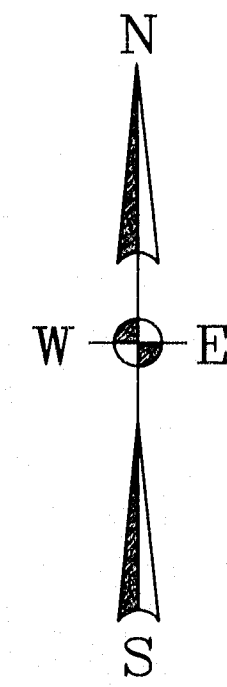
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						DESIGN-DETAILED		NDB		DMS		8/28/05		SIGNATURE	
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						DESIGN-DETAILED		DESIGNED-REVISED ETC						P. E. NUMBER	
						REVISIONS 1		REVISIONS 2							
						REVISIONS 3		REVISIONS 4						DATE	
						FIELD CHANGES								BRIDGE NO. NS-5816, SS-1459 NS-5817, SS-1458 NS-5818, SS-1457 BRIDGE PLANS 8638-10	

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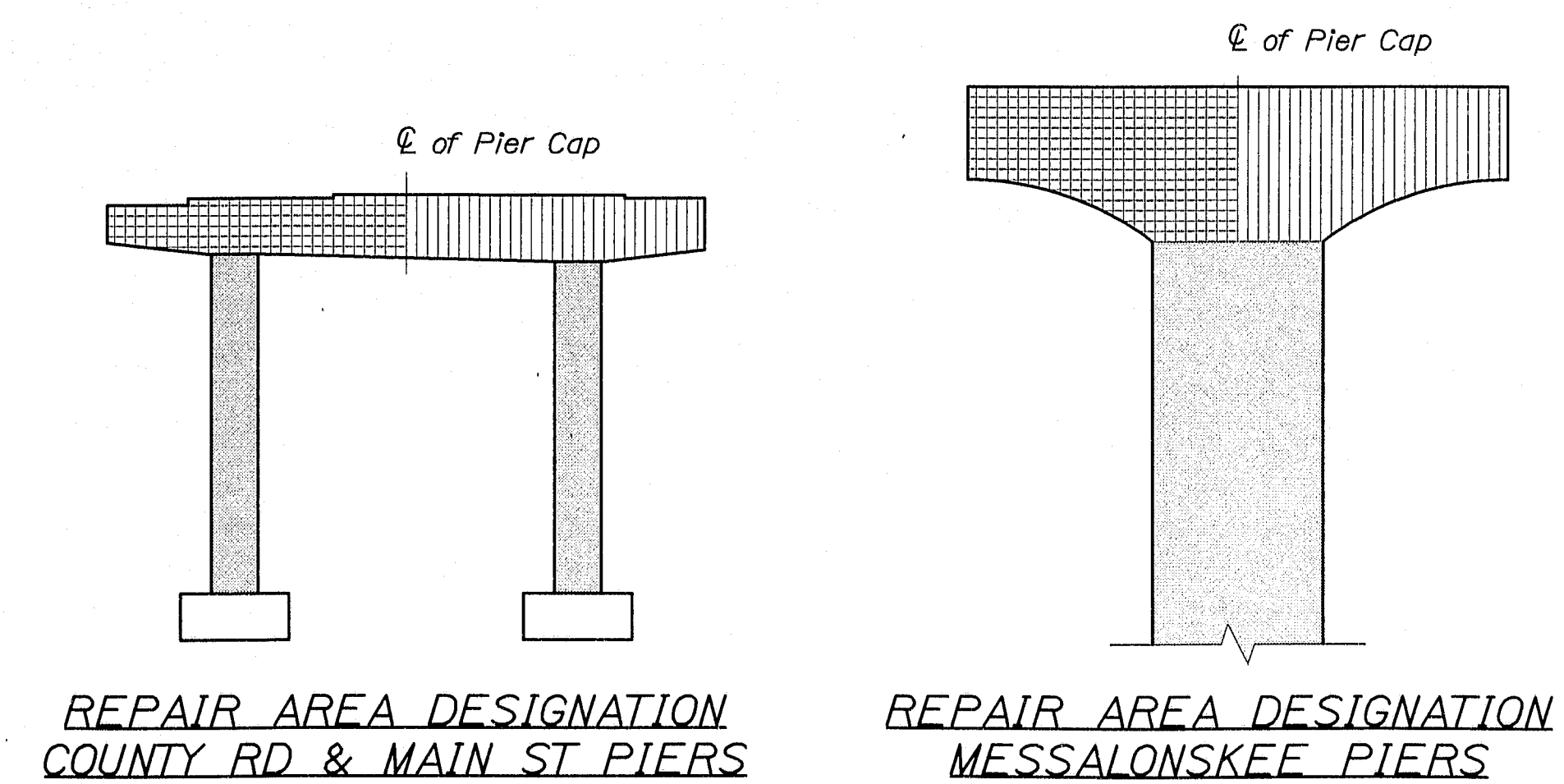
Division: BRIDGE

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Date: 1/17/2006



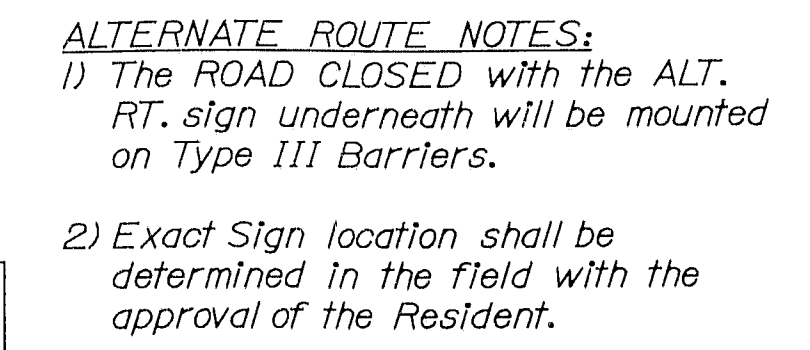
TRAFFIC PLAN NOTES:
1) Traffic shall be shifted to the opposite side of Bridge from where Pier Cap or Cantilever repairs are being made so that Live Load is eliminated or reduced on the Pier Cap or Cantilever section under repair. After repairs are completed to Center Line of the Pier Cap or Cantilever section (See Detail Below), Traffic shall be shifted to the other side to complete the remaining half.
2) Pier Shaft repair can be done with the Bridge fully open to Traffic or under any Traffic sequence.
3) For I-95 Southbound: Messalonskee Bridge Traffic Sequence "C" can not be concurrent with Messalonskee Bridge Traffic Sequence "B" and/or County Road Bridge Traffic Sequence "A".



North Half of Pier Cap or Cantilever
South Half of Pier Cap or Cantilever
Shaft(s)

141-439

STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
IM-95-7800(100)E, IM-95-7789(100)E	
IM-95-8695(100)E	
BRIDGE NO. NB-5816, SB-1459 PIN 7800.10	
NB-5817, SB-1458 PIN 7789.10	
NB-5818, SB-1457 PIN 8695.10	
BRIDGE PLANS	
TRAFFIC PLAN	
SHEET NUMBER	
5	
OF 37	



SHEET NUMBER						STATE OF MAINE DEPARTMENT OF TRANSPORTATION					
I-95 NB and SB over COUNTRY RD., MESSALONSKEE STRM & MAIN ST. WATERVILLE KENNEBEC ALTERNATE ROUTE PLAN						PROJ. MANAGER		WLF	DY	DATE	
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						REVISIONS 1					
						REVISIONS 2					
						REVISIONS 3				DATE	
						REVISIONS 4					
						FIELD CHANGES				BIDGE NO.	
										NB-5816, SB-1459	PIN 7800.10
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										NB-5818, SB-1457	8695.10
										BRIDGE PLANS	

141-440

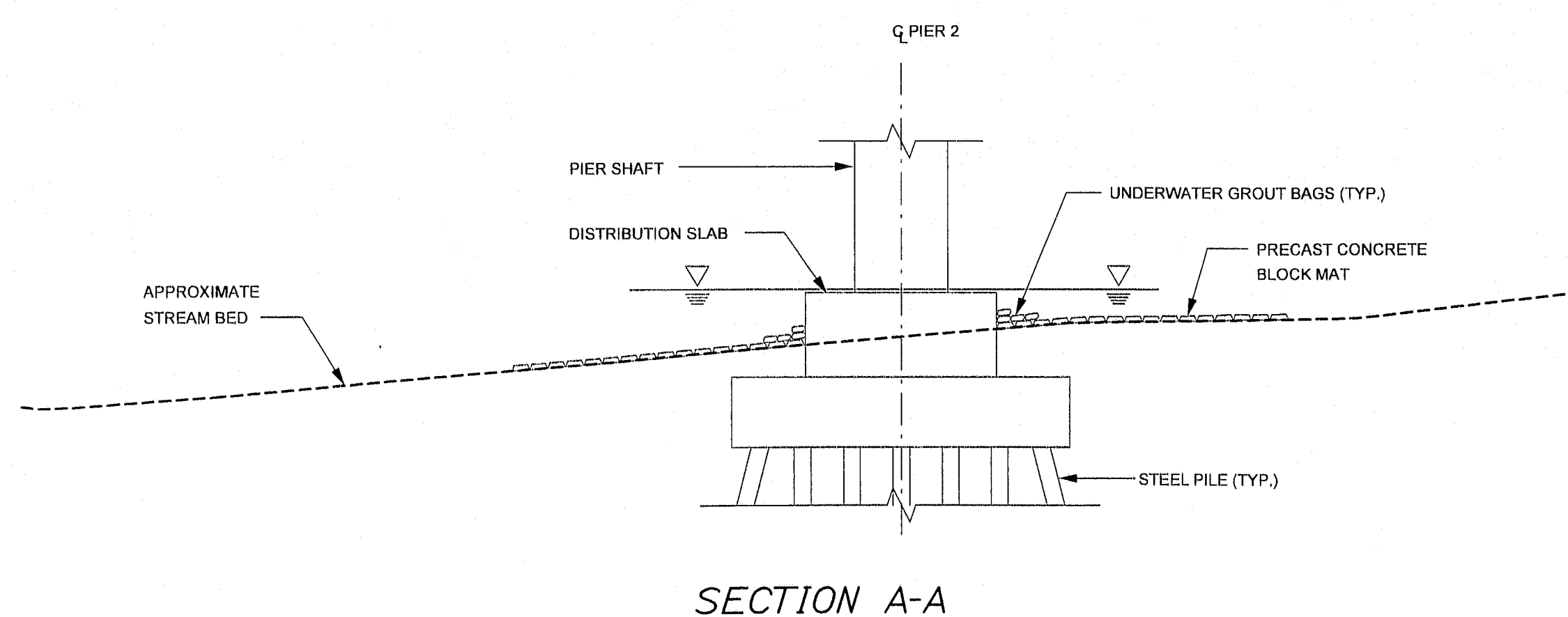
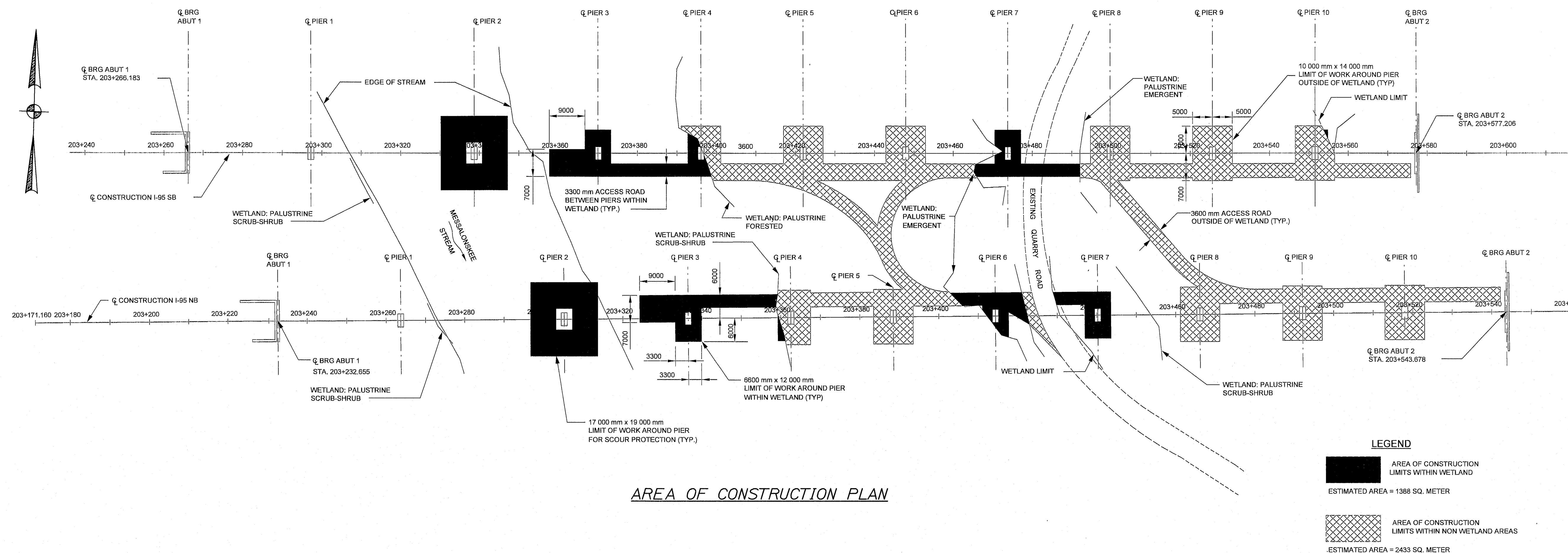
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Division: BRIDGE

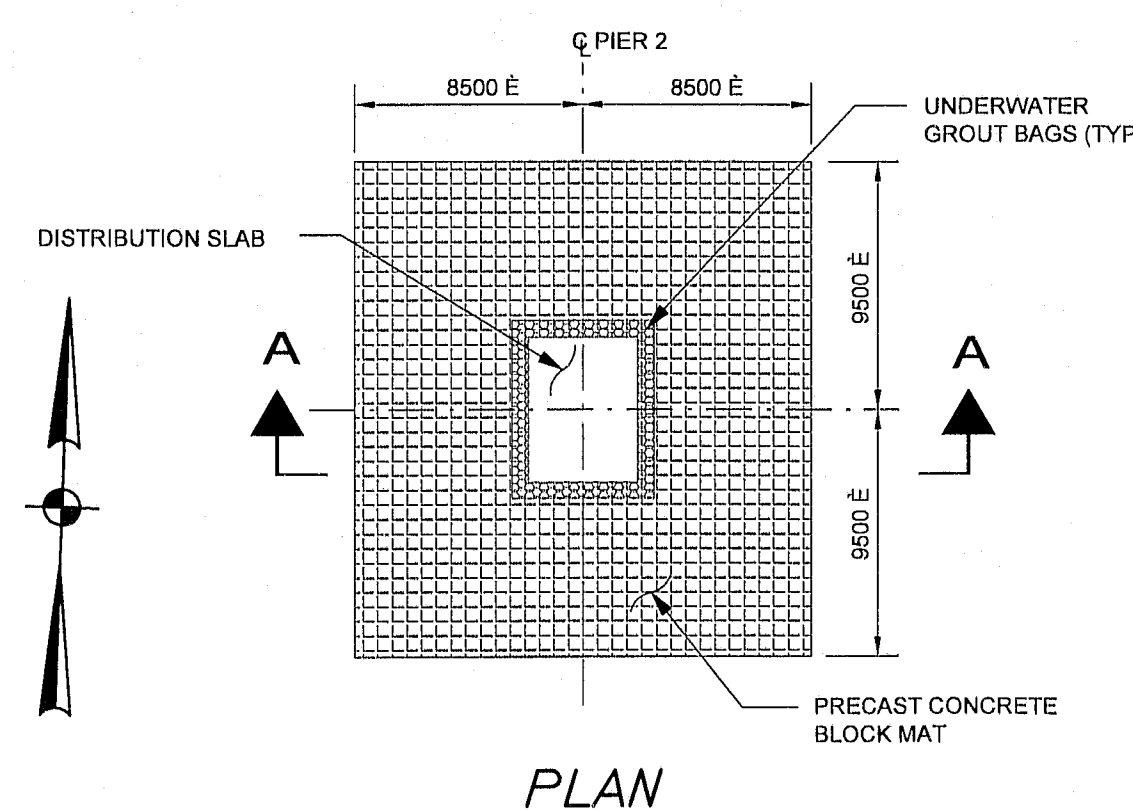
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Date: 1/17/2006

METRIC
THIS SHEET ONLY



COMPLETED SCOUR PROTECTION



CONSTRUCTION LIMITS NOTES:
1 This Sheet only is metric.
2 Scour Protection was completed by others, in 2001.
3 The Contractor shall not impact Wetland Areas outside of the Construction Wetland Limits as shown on the Area of Construction Plan.
4 Pier two NB Repairs may require a Sand Bag Cofferdam to complete the bottom Pier Shaft Repair. It is anticipated that Sand Bags will be placed on Top of the Distribution Slab. The Contractor shall schedule the work such that the bottom 2 feet of Repairs will be completed during Low Flows. Payment for the Cofferdam if needed will be under Item 511.07 Cofferdam.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		IM-95-7789(100)E		BRIDGE NO. NB-5817, SB-1458		PIN 7789.10		BRIDGE PLANS	
I-95 NB & SB		MESSALONSKEE STREAM		KENNEBEC		WATERVILLE		CONSTRUCTION LIMITS		SHEET NUMBER	
8/29/05		8/29/05		SIGNATURE		P.E. NUMBER		DATE		7	
DESIGN DETAIL		DESIGN DETAIL		DESIGN DETAIL		DESIGN DETAIL		DESIGN DETAIL		OF 37	

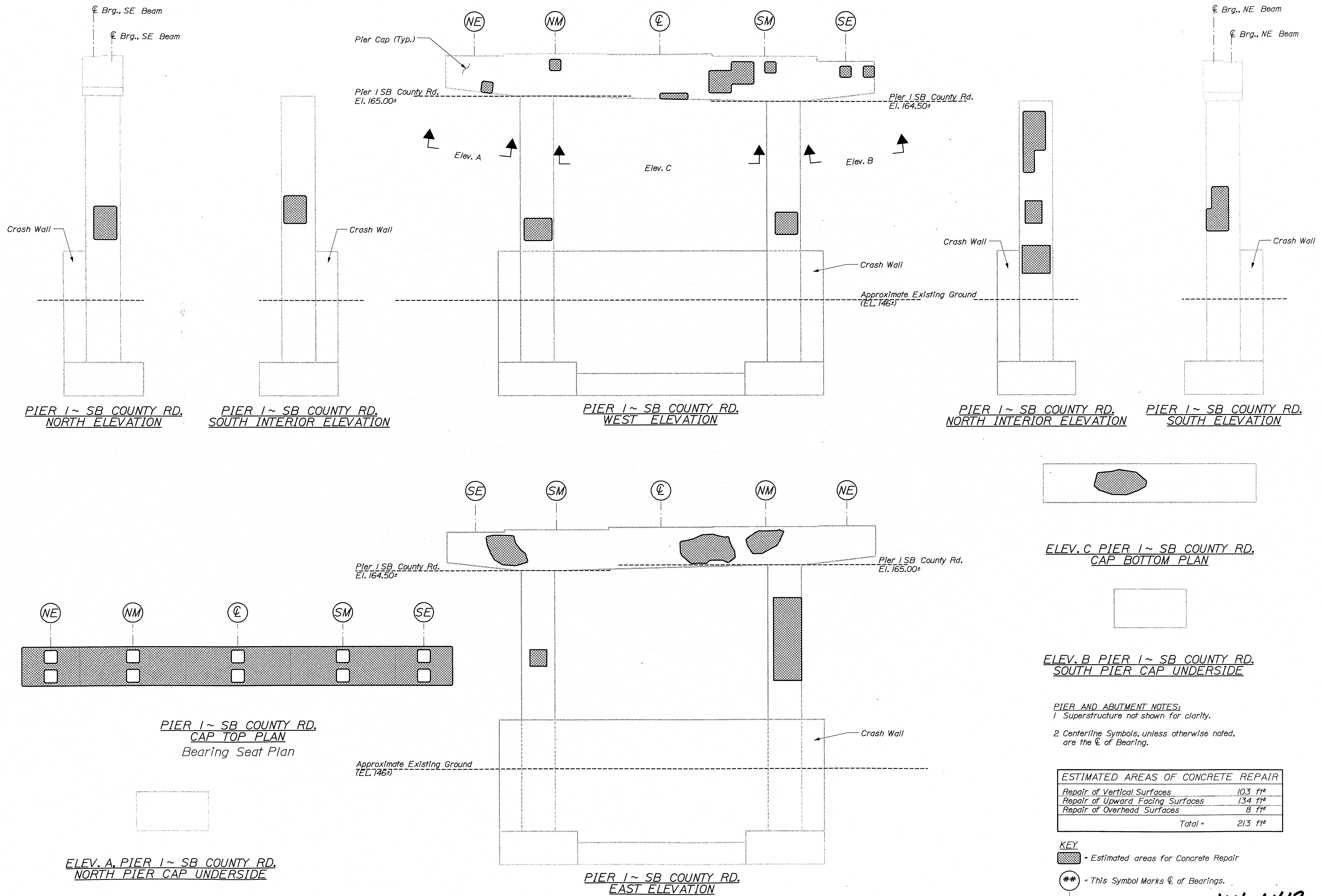
I-95 NB and SB
over
COUNTY RD., MESSALONKEE STRM & MAIN ST.
WATERVILLE
KENNEBEC
PIER REHABILITATION SEQUENCING
AND DETAILS

Date: 1/17/2006

Username: david.sullivan

Division: BRIDGE

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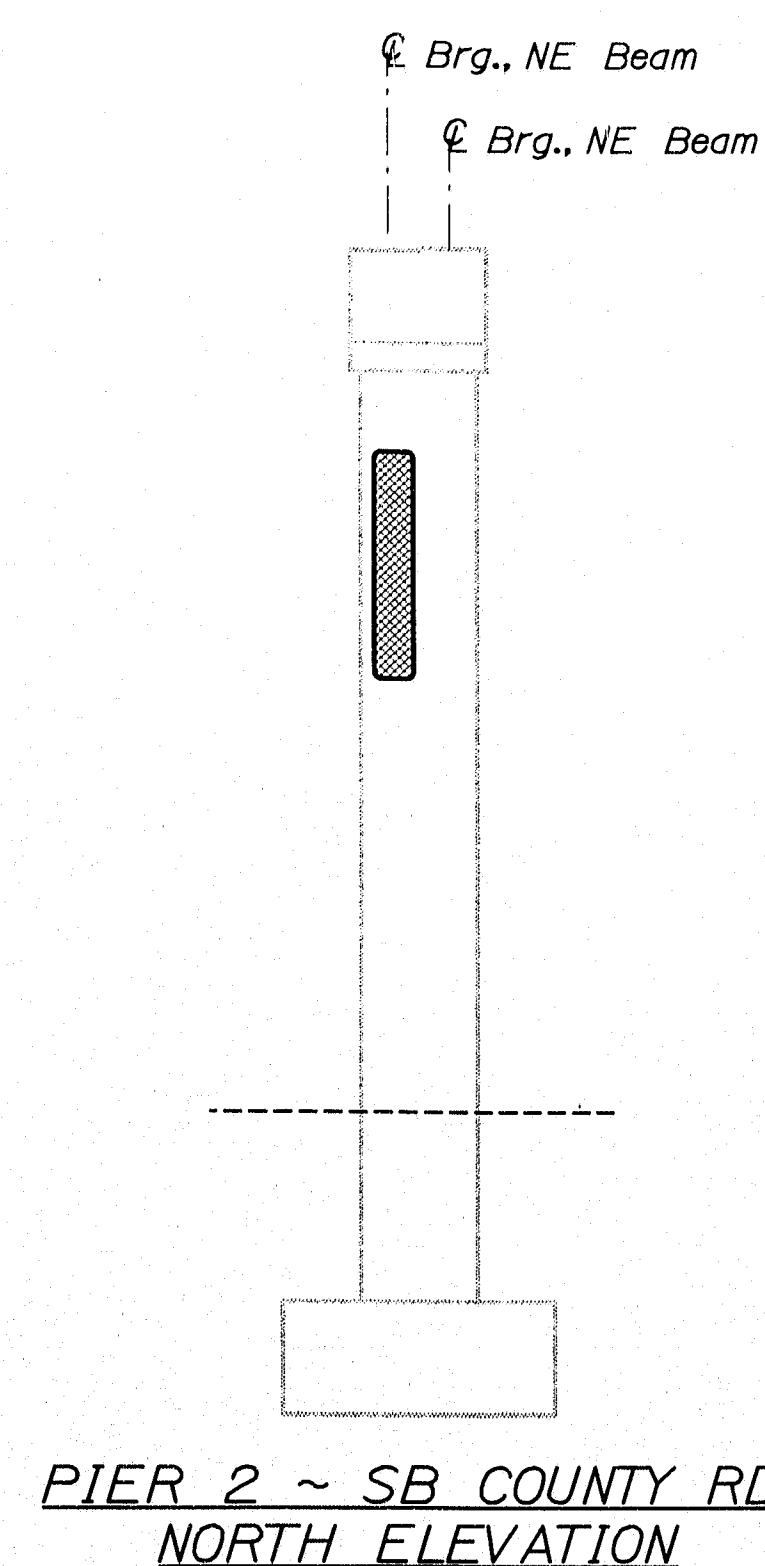
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I-95 NB & SB COUNTY RD. & STRR WATERVILLE		KENNEBEC		ESTIMATED REPAIR AREA PIER No. 1 SB COUNTY RD.		SHEET NUMBER		9		OF 37	
PROJ. MANAGER		BY		DATE		SIGNATURE		P.E. NUMBER		DATE	
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FIELD CHANGES											

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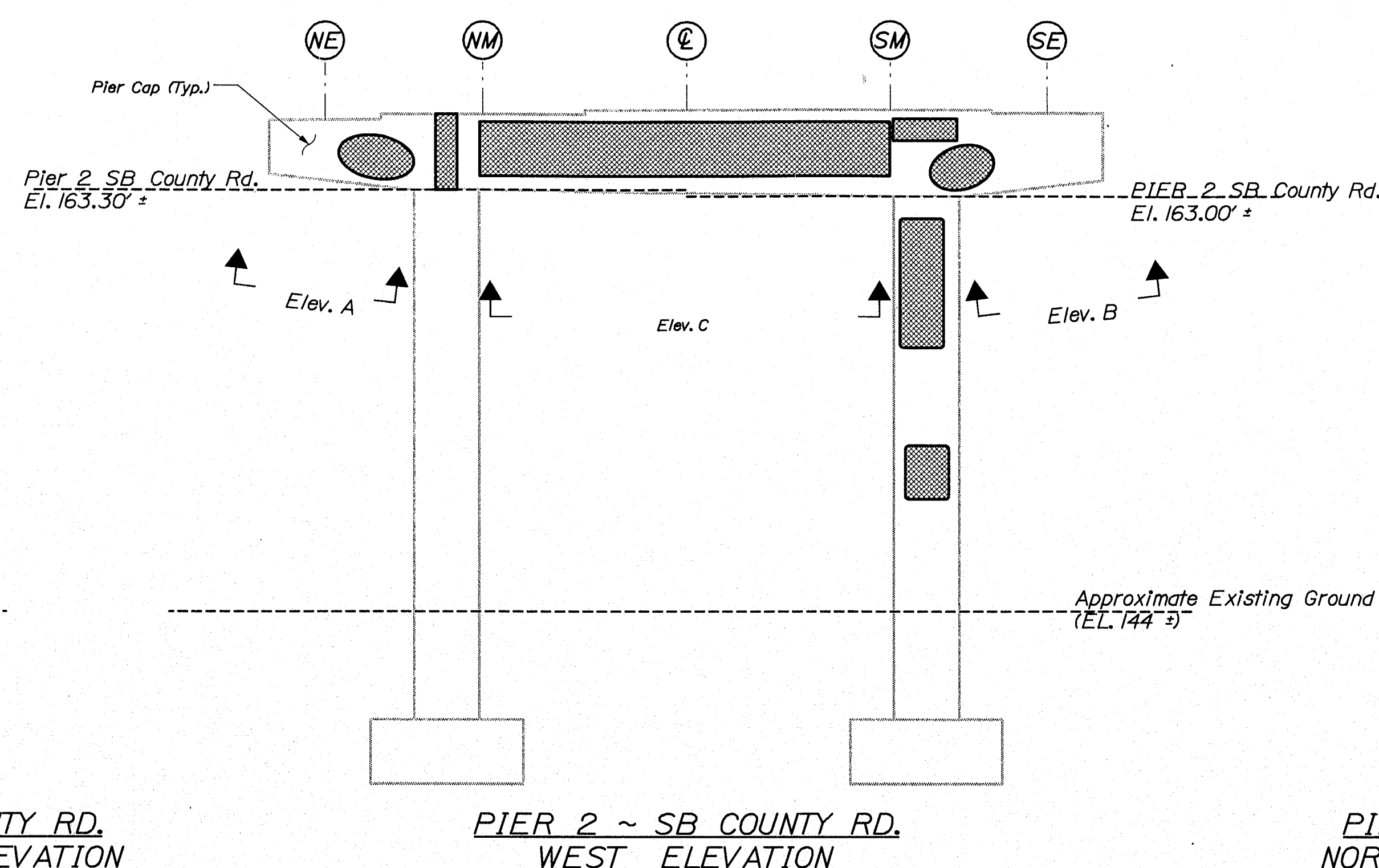
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Date: 1/17/2006



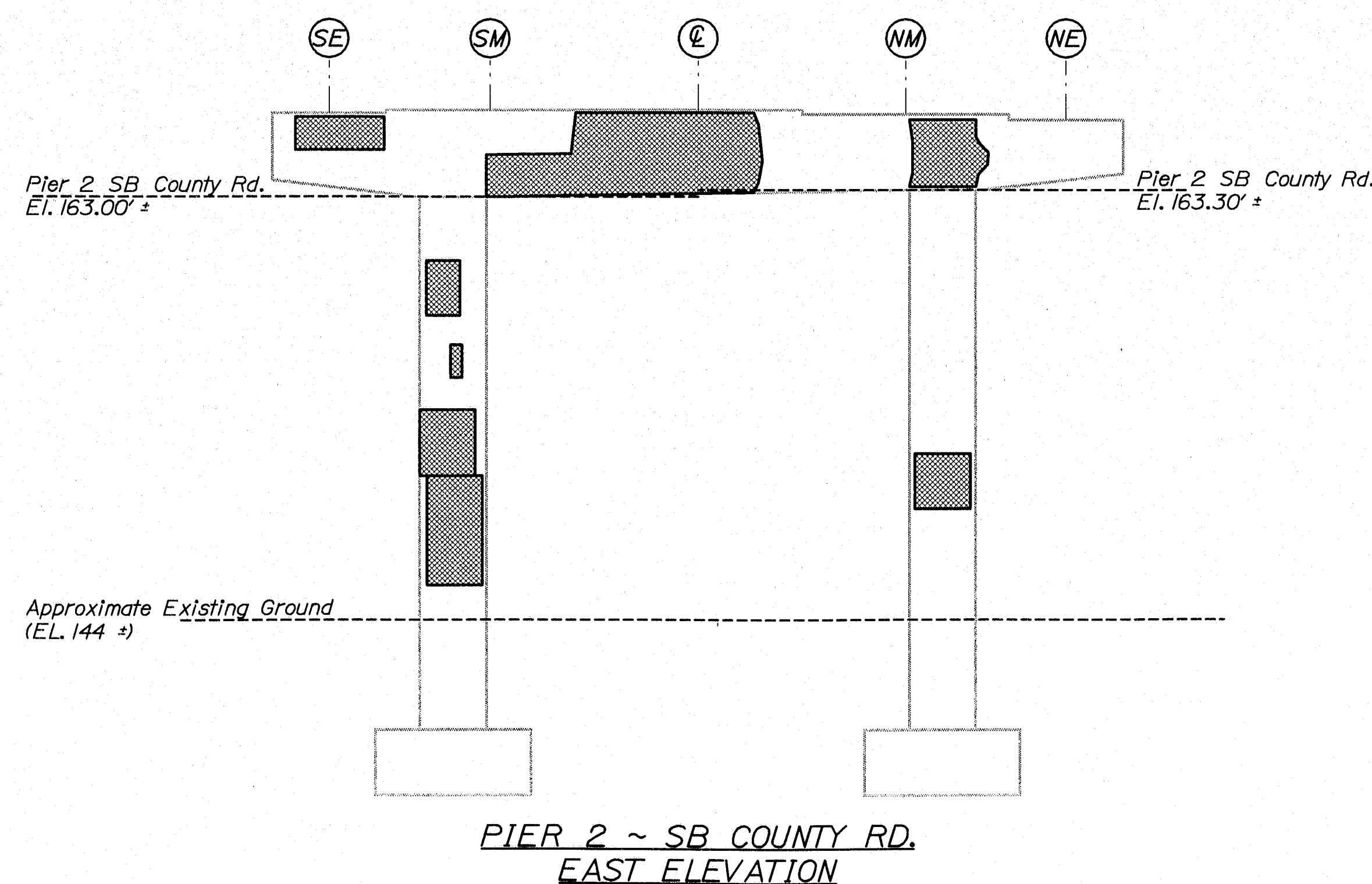
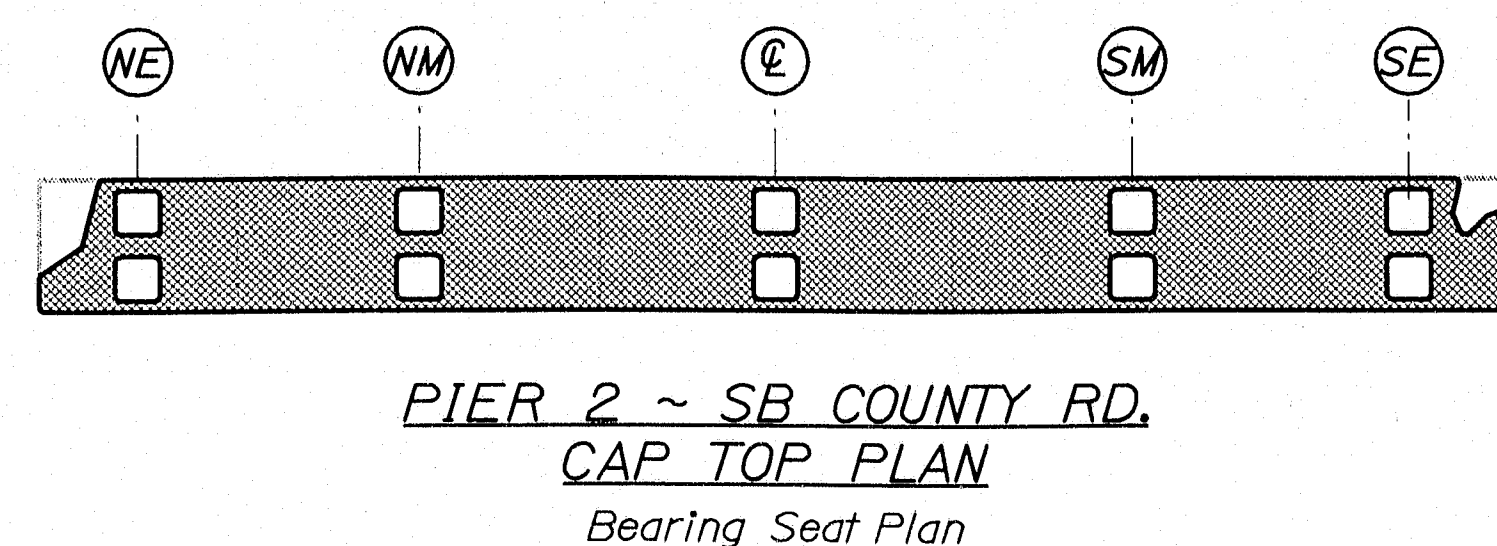
PIER 2 ~ SB COUNTY RD.
SOUTH INTERIOR ELEVATION



PIER 2 ~ SB COUNTY RD.
NORTH INTERIOR ELEVATION

PIER 2 ~ SB COUNTY RD.
SOUTH ELEVATION

ELEV. A PIER 2 ~ SB COUNTY RD.
NORTH PIER CAP UNDERSIDE



ELEV. B PIER 2 ~ SB COUNTY RD.
SOUTH PIER CAP UNDERSIDE

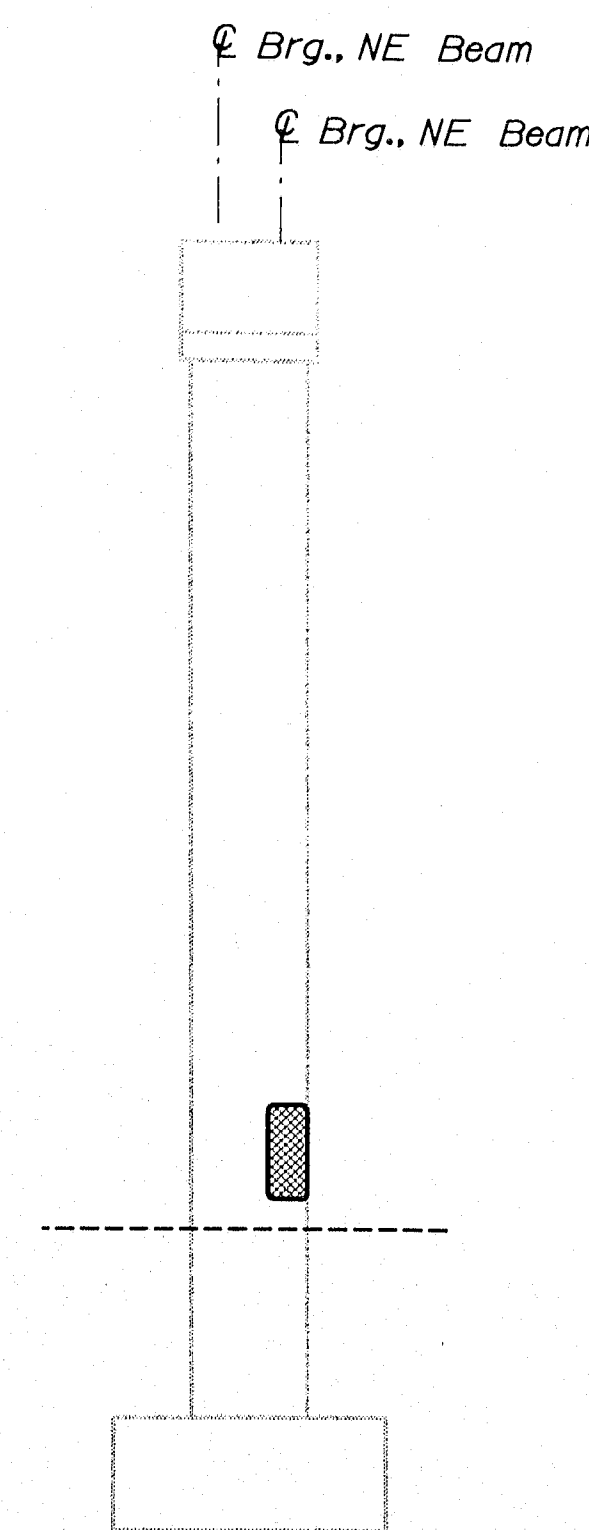
ELEV. C PIER 2 ~ SB COUNTY RD.
CAP BOTTOM PLAN

ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	196 ft ²
Repair of Upward Facing Surfaces	130 ft ²
Repair of Overhead Surfaces	102 ft ²
Total	428 ft ²

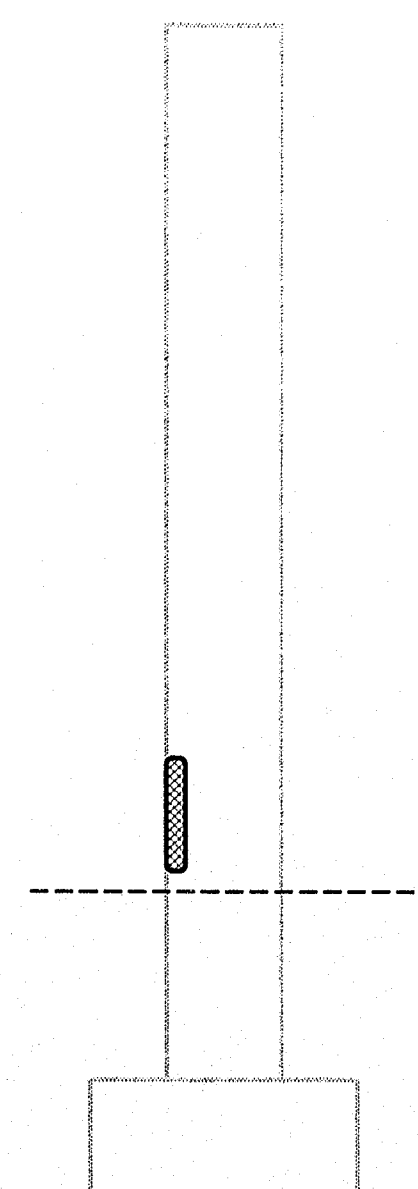
KEY
 - Estimated areas for Concrete Repair
 - This Symbol Marks @ of Bearings.

141-444

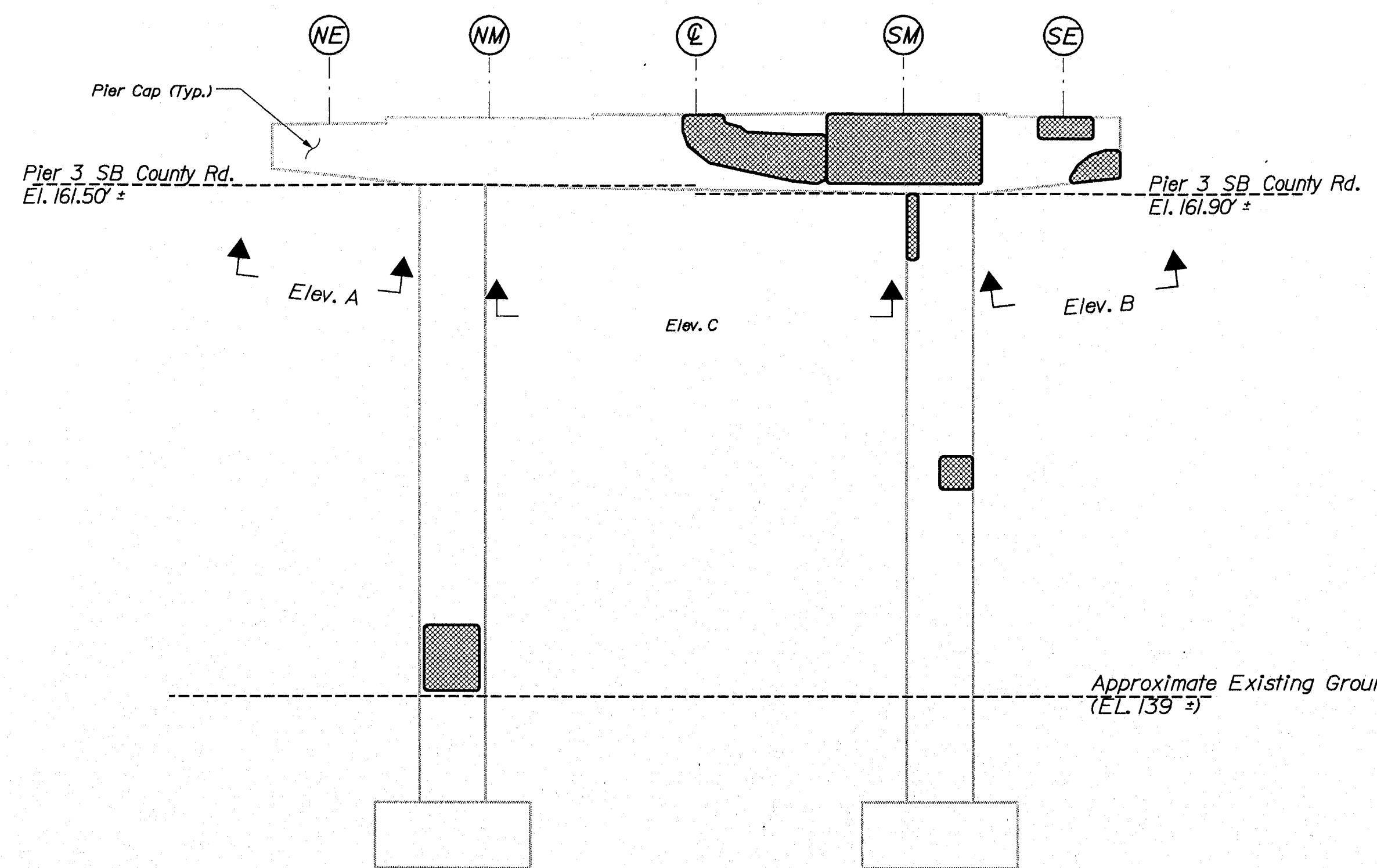
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
IM-95-7800(100)E		PIN 7800.10	
BRIDGE NO. NB-4816, SB-1459		BRIDGE PLANS	
PROJECT MANAGER		DATE	
DESIGN/DETAIL	WLF	DATE	BY
CHECKED/REVISED	WLF	DATE	BY
DESIGN/DETAIL	WLF	DATE	BY
REVISIONS 1		SIGNATURE	P.E. NUMBER
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
I-95 NB & SB COUNTY RD. & STRR. WATERVILLE		KENNEBEC	
ESTIMATED REPAIR AREA PIER No. 2 SB COUNTY RD.		SHEET NUMBER	
10		OF 37	



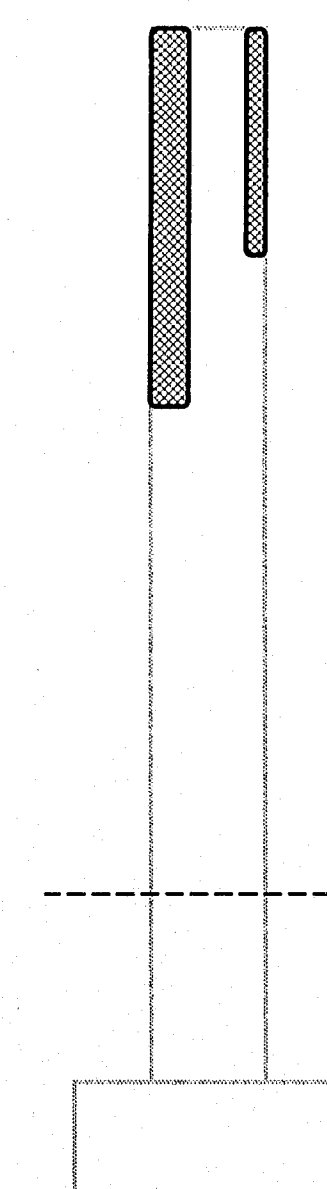
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NORTH ELEVATION
Scale 3/16" = 1'-0"



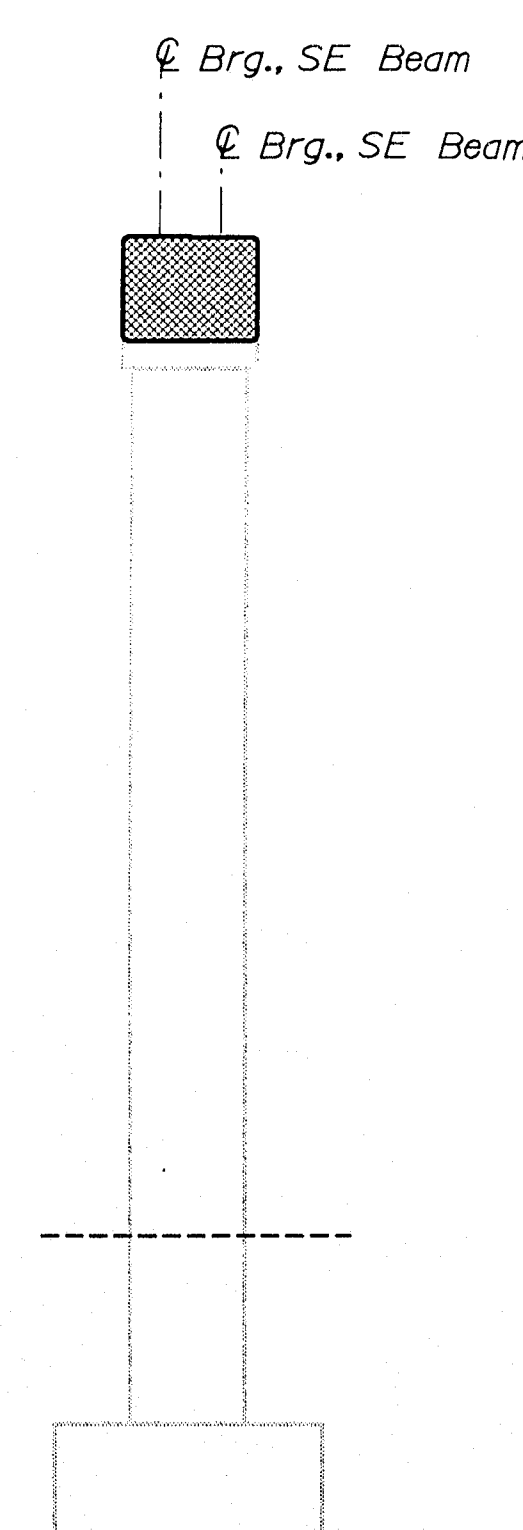
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SOUTH INTERIOR ELEVATION
Scale 3/16" = 1'-0"



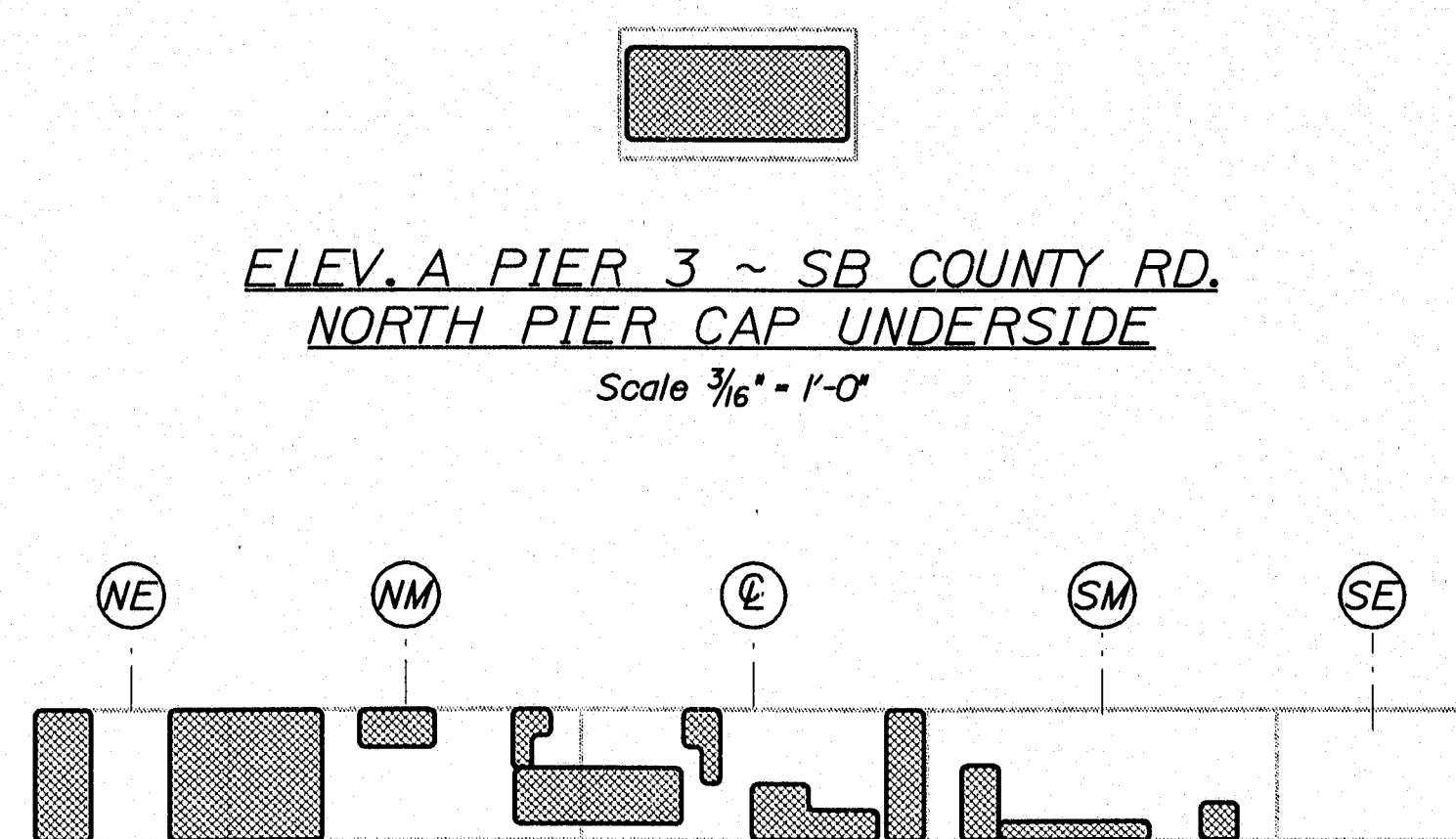
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WEST ELEVATION
Scale 3/16" = 1'-0"



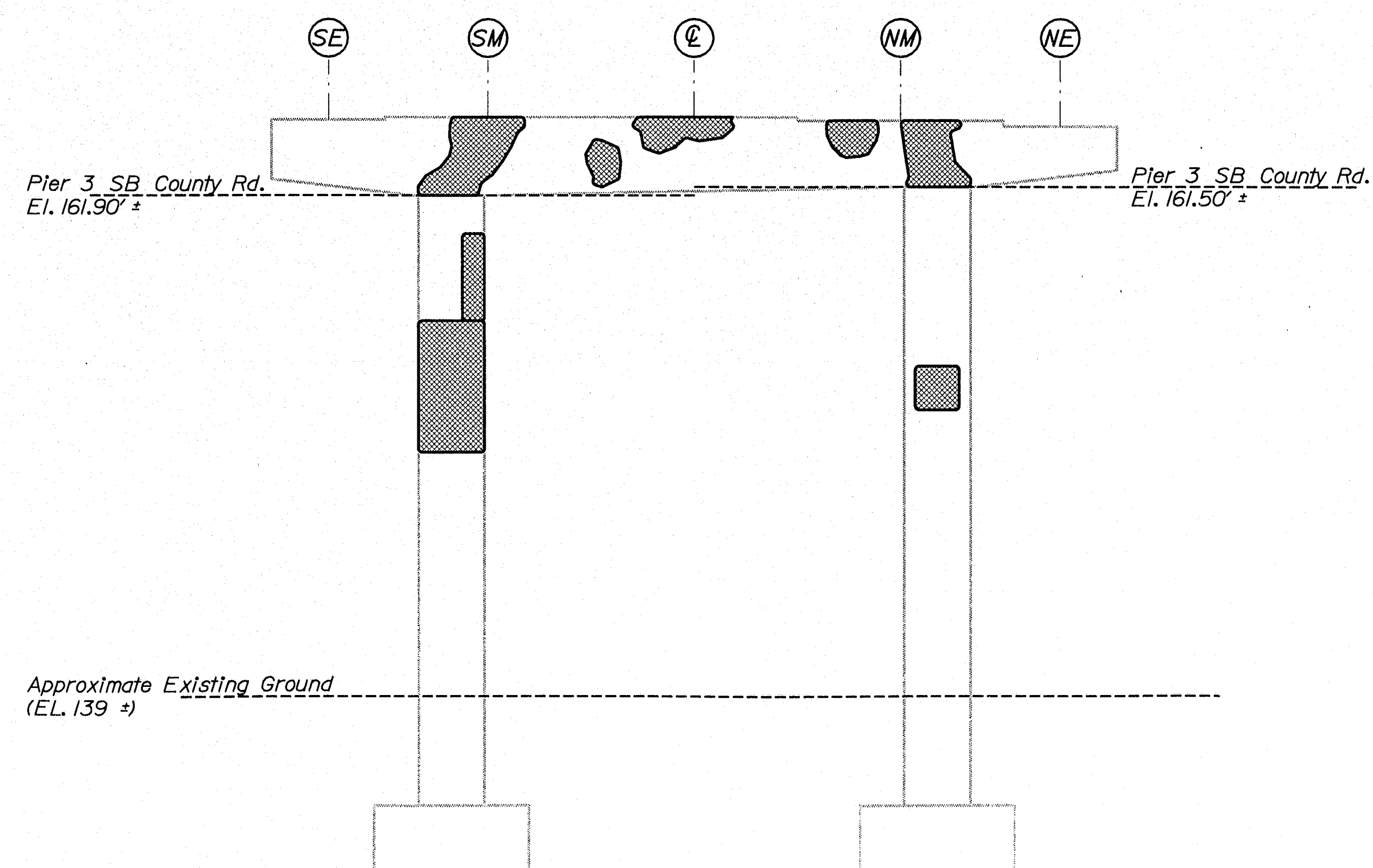
PIER 3 ~ SB COUNTY RD.
NORTH INTERIOR ELEVATION
Scale 3/16" = 1'-0"



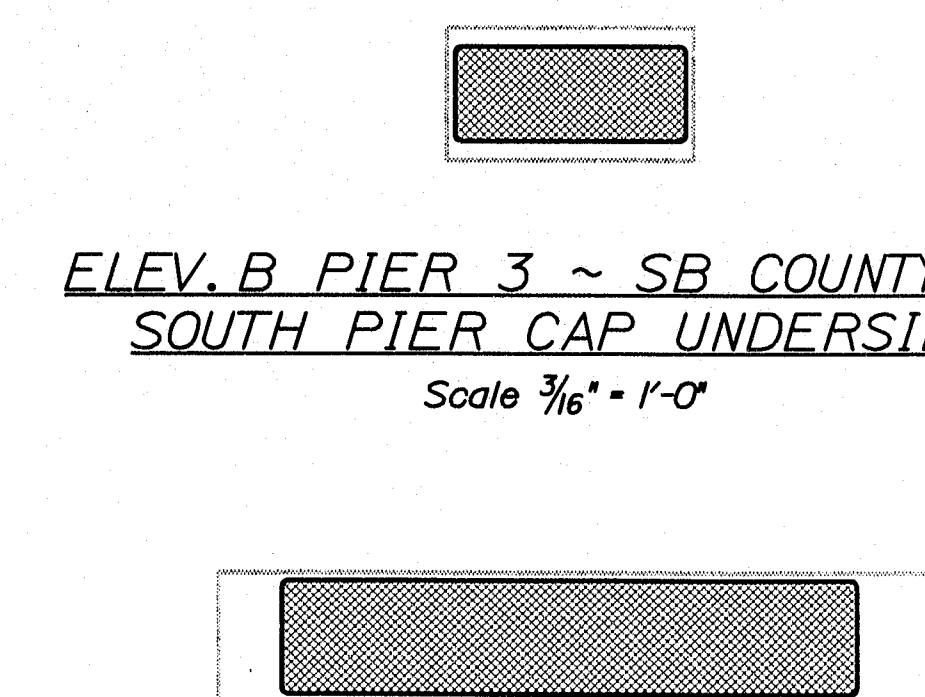
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SOUTH ELEVATION
Scale 3/16" = 1'-0"



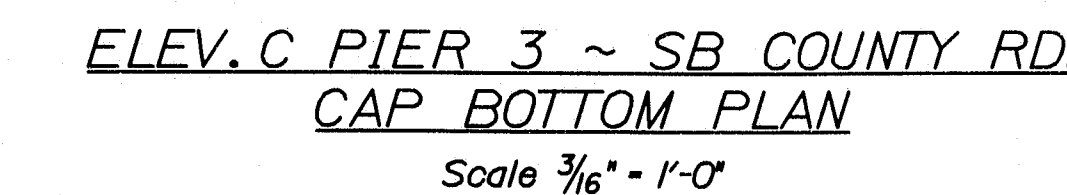
PIER 3 ~ SB COUNTY RD.
CAP TOP PLAN
Bearing Seat Plan
Scale 3/16" = 1'-0"



PIER 3 ~ SB COUNTY RD.
EAST ELEVATION
Scale 3/16" = 1'-0"



ELEV. B PIER 3 ~ SB COUNTY RD.
SOUTH PIER CAP UNDERSIDE
Scale 3/16" = 1'-0"



ELEV. C PIER 3 ~ SB COUNTY RD.
CAP BOTTOM PLAN
Scale 3/16" = 1'-0"

ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	132 ft²
Repair of Upward Facing Surfaces	43 ft²
Repair of Overhead Surfaces	75 ft²
Total	250 ft²

KEY
 - Estimated areas for Concrete Repair
 - This Symbol Marks \odot of Bearings.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		IM-95-7800(100)E	
BRIDGE NO. NB-5816, SB-1459		PIN 7800.10	
BRIDGE PLANS			
PROJECT NO.	DATE	BY	WLF
DESIGN-DETAILED	8/29/05	DMS	NIB
CHECKED-REVIEWED ETC	8/29/05	NIB	ETC
DESIGN-DETAILED2			
DESIGN-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
I-95 NB & SB COUNTY RD. & STRR WATERVILLE		KENNEBEC	
ESTIMATED REPAIR AREA PIER No. 3 SB COUNTY RD.			
SHEET NUMBER			
11			
OF 37			

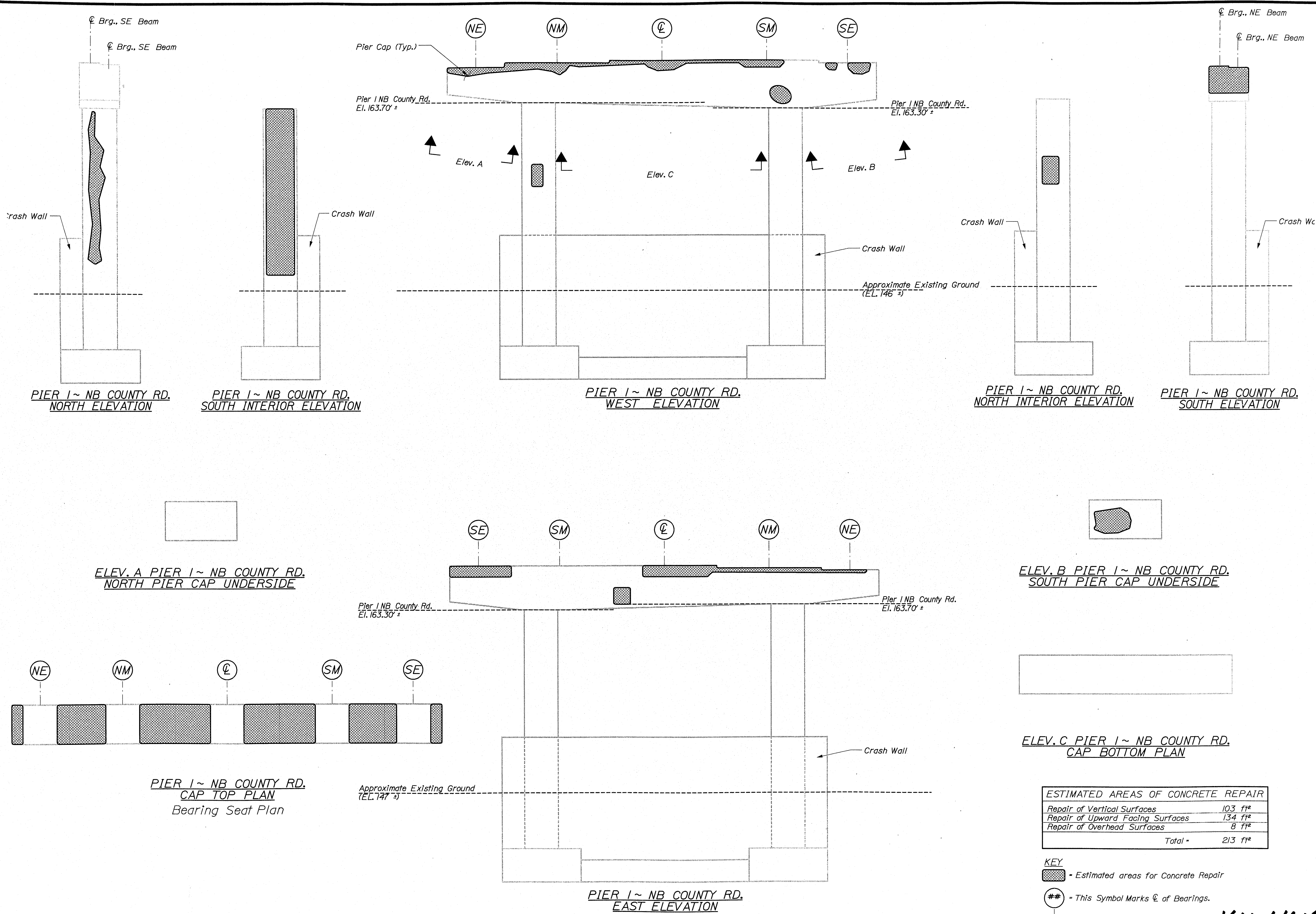
141-445

Filename: ...\\msta\012_Pier_1_NB County.dgn

Division: BRIDGE

Username: david.sullivan

Date: 1/17/2006

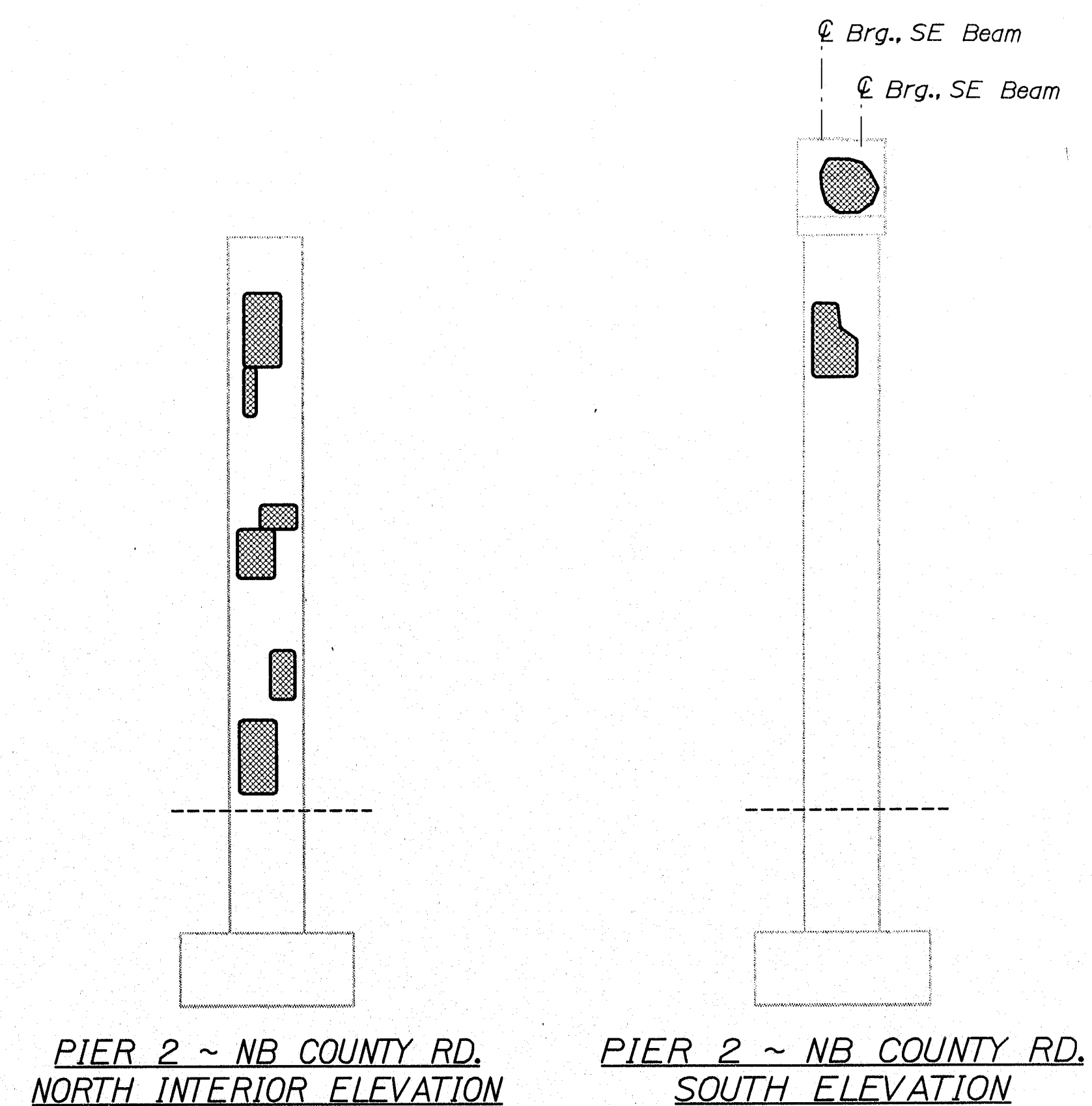
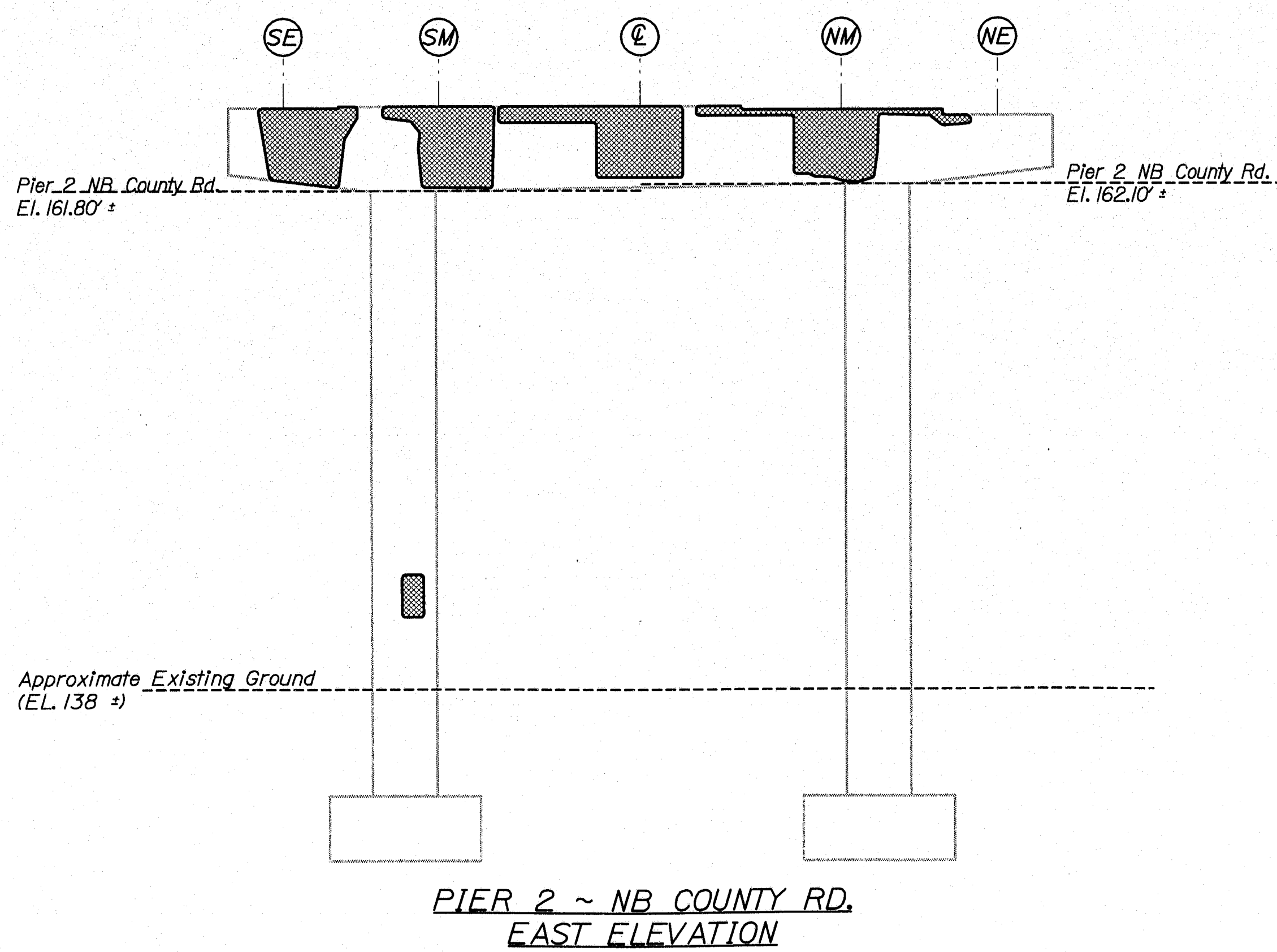
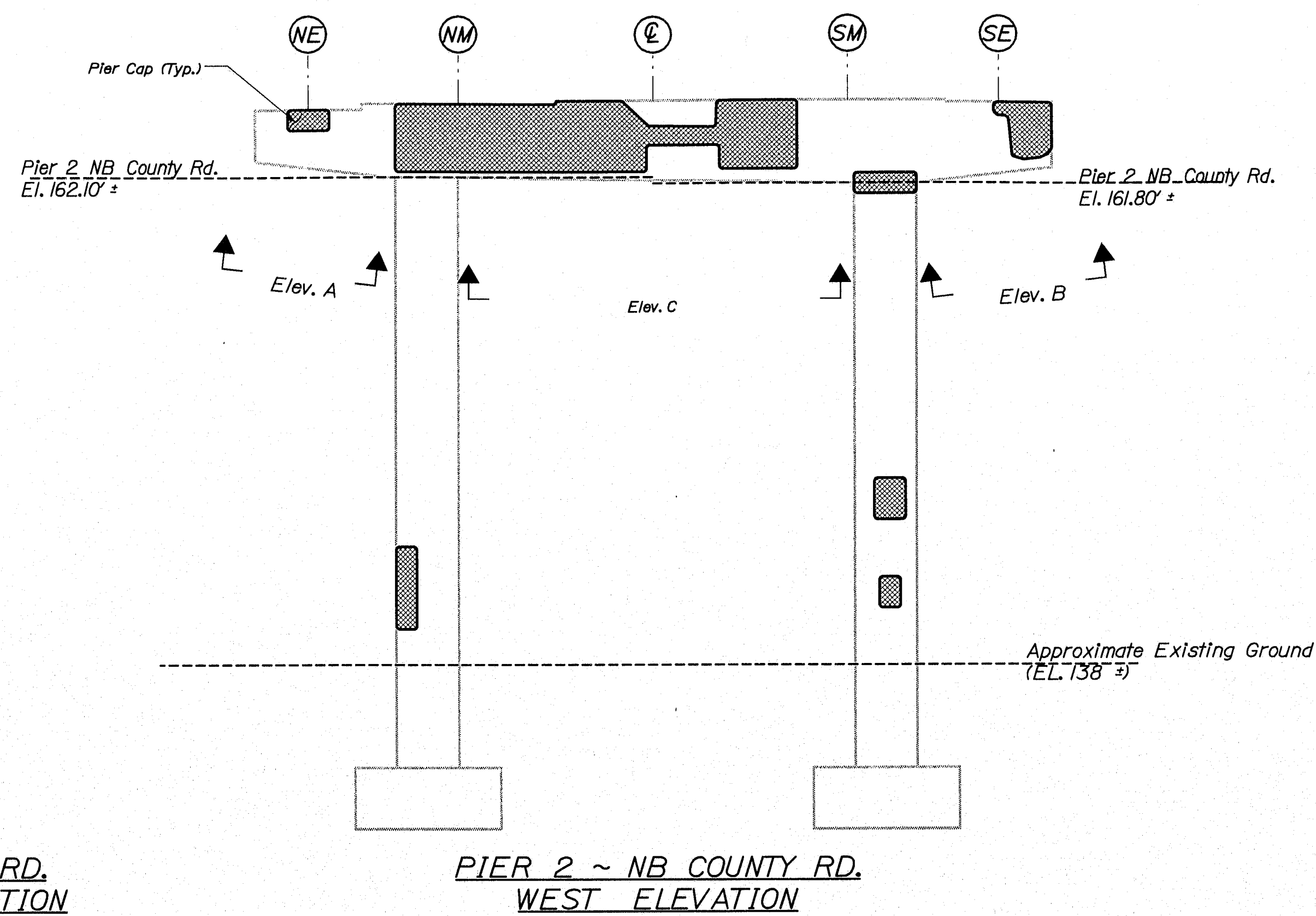
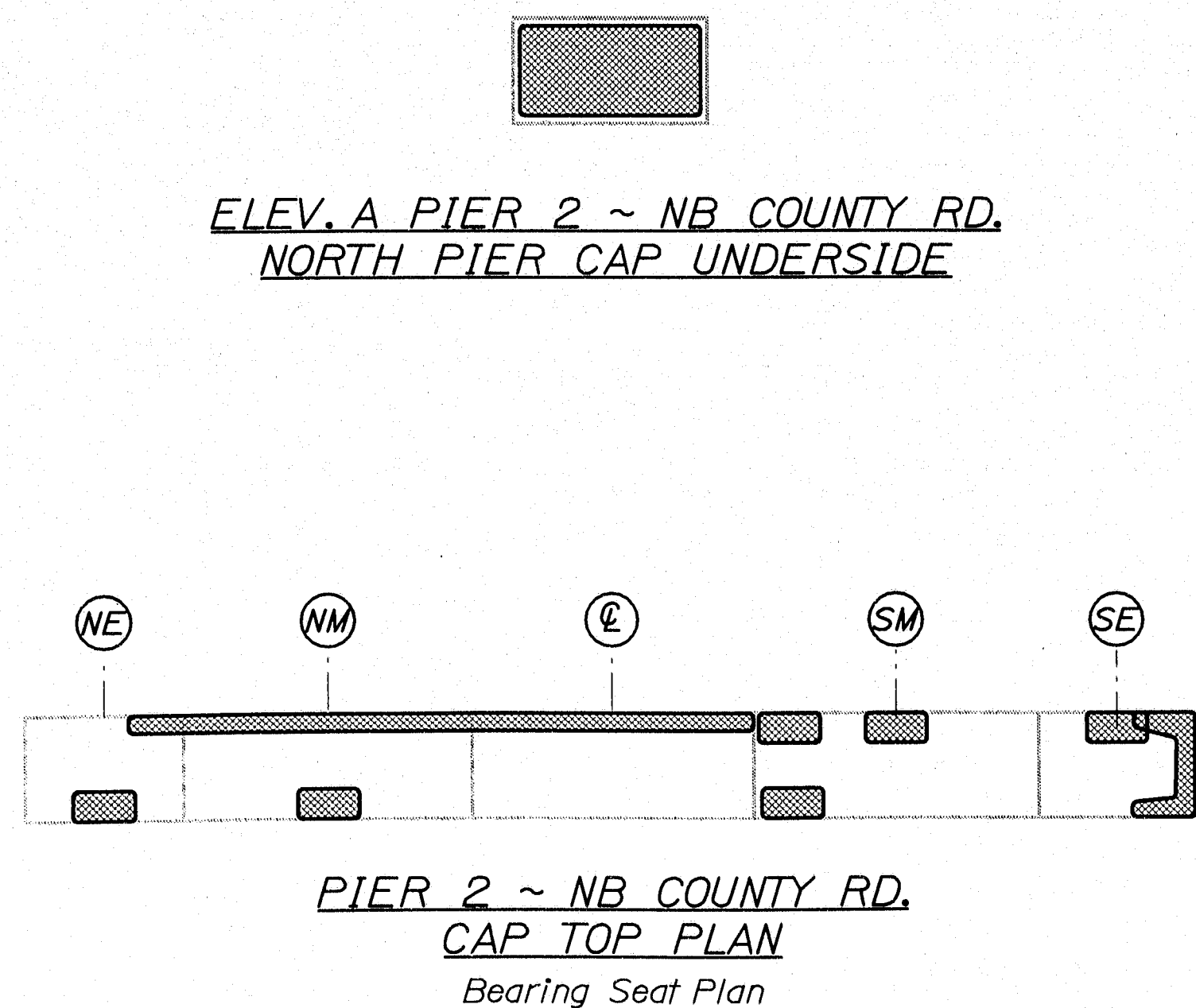
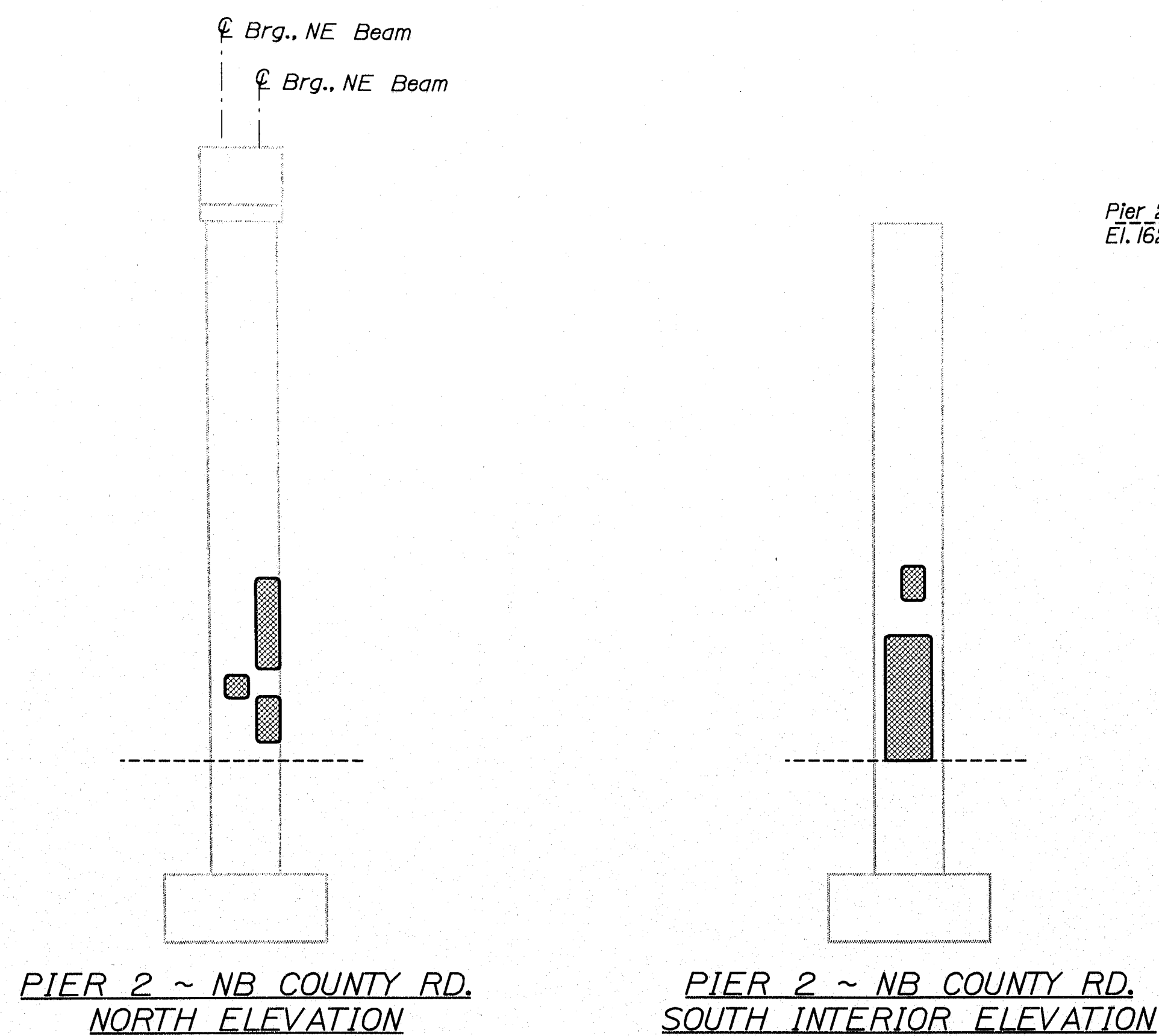


ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	103 ft²
Repair of Upward Facing Surfaces	134 ft²
Repair of Overhead Surfaces	8 ft²
Total	245 ft²

KEY
[Hatched Box] - Estimated areas for Concrete Repair
[Circle with #] - This Symbol Marks Q of Bearings.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-95-7800(100)E	BRIDGE NO. NB 5816, SB-1459	PIN 7800.10	BRIDGE PLANS
I-95 NB & SB COUNTY RD. & STRR WATERVILLE KENNEBEC ESTIMATED REPAIR AREA PIER No. 1 NB COUNTY RD.			
SHEET NUMBER 12 OF 37			

141-446



ELEV. B PIER 2 ~ NB COUNTY RD.
SOUTH PIER CAP UNDERSIDE

ELEV. C PIER 2 ~ NB COUNTY RD.
CAP BOTTOM PLAN

ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	181 ft ²
Repair of Upward Facing Surfaces	43 ft ²
Repair of Overhead Surfaces	33 ft ²
Total	257 ft ²

KEY
 = Estimated areas for Concrete Repair
 = This Symbol Marks C of Bearings.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		IM-95-7800(100)E	
BRIDGE NO. NB-5816, SB-1459		PIN 7800.10	
PROJECT NO. 1-95 NB & SB COUNTY RD. & STRR		WATERVILLE KENNEBEC	
ESTIMATED REPAIR AREA PIER No. 2 NB COUNTY RD.		SHEET NUMBER 13	
DATE 8/29/05		SIGNATURE	
BY DMS		P.E. NUMBER	
WLF NB		DATE	
DESIGN-DETAILED CHECKED-REVIEWED DESIGN-DETAILED2 DESIGN-DETAILED3		REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	

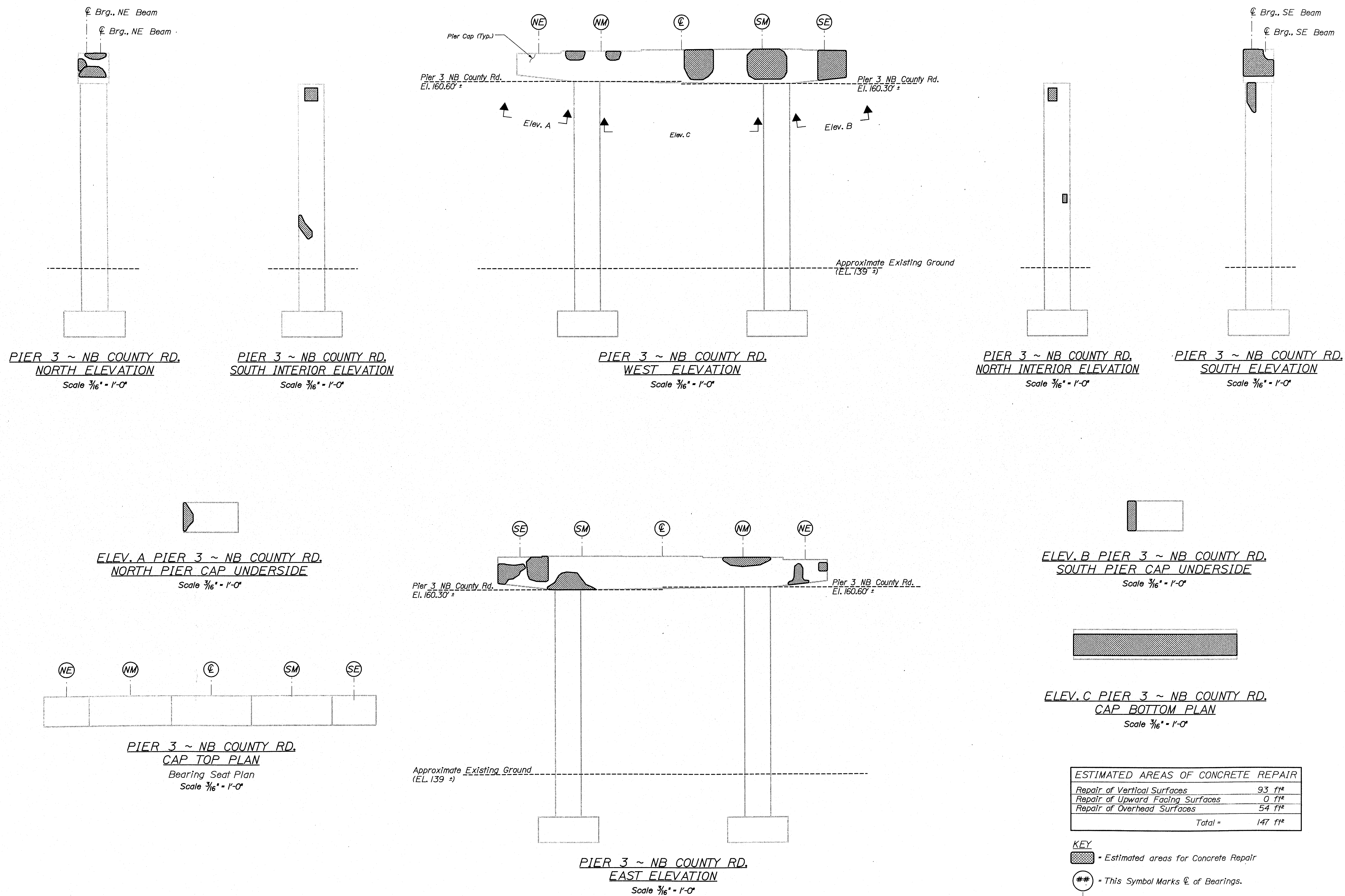
141-447

Date: 1/17/2006

Username: david.sullivan

Division: BRIDGE

Filename: ...msta\014_Pier_3_NB County.dgn



141-448

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		IM-95-7800(100)E		BRIDGE NO. NB-5816, SB-1459		PIN 7800.10		BRIDGE PLANS	
I-95 NB & SB		COUNTY RD. & STRR		KENNEBEC		WATERVILLE		ESTIMATED REPAIR AREA		PIER No. 3 NB COUNTY RD.	
PROJ. MANAGER		BY		DATE		SIGNATURE		P.E. NUMBER		DATE	
DESIGNED		DRAWN		CHECKED		DESIGNED		DESIGNED		DESIGNED	
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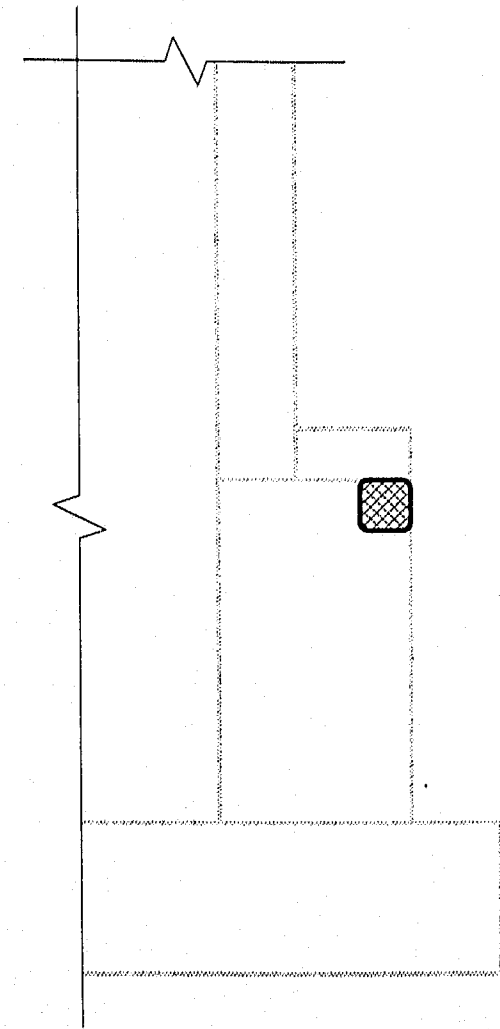
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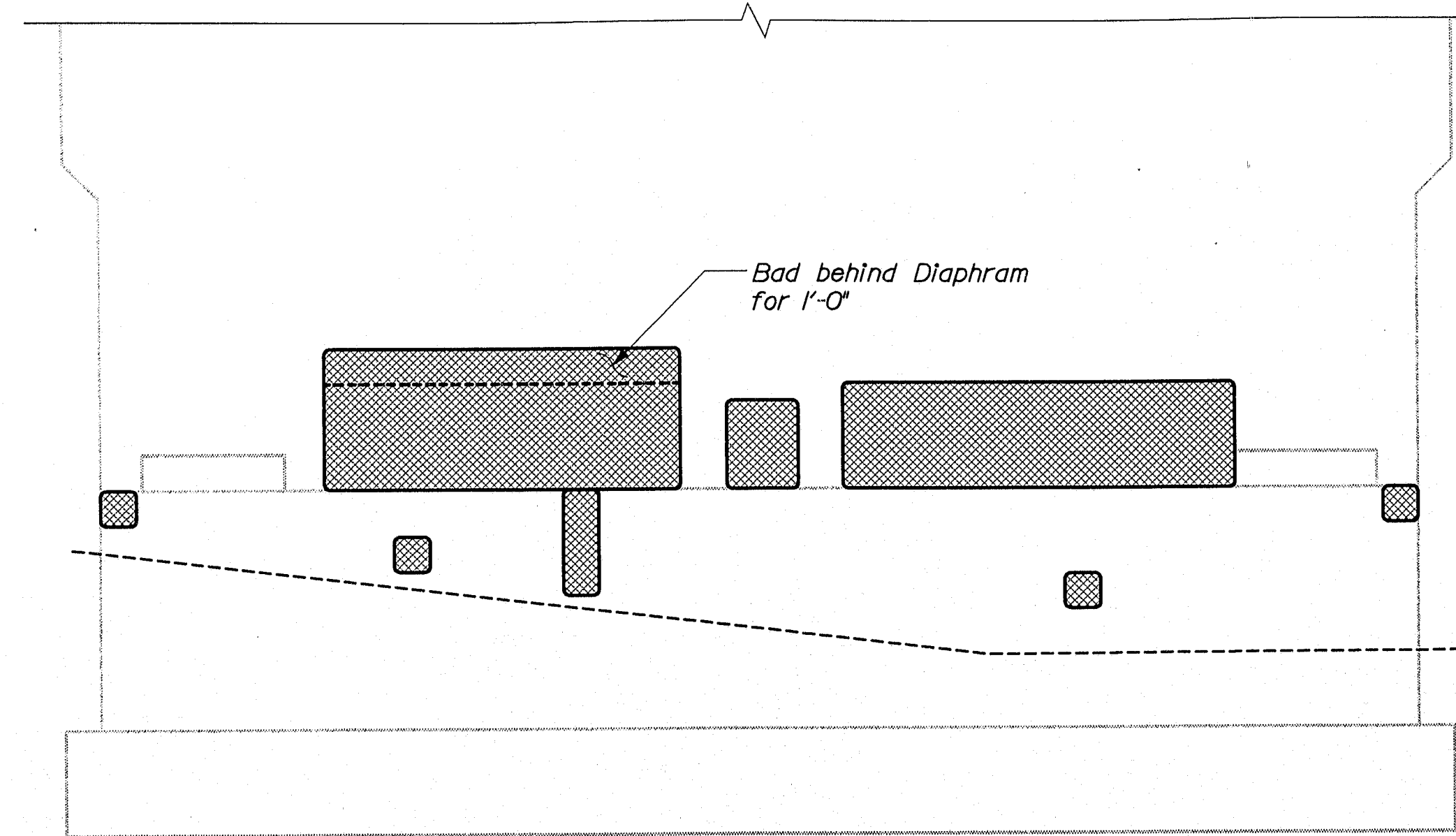
Username: david.sullivan

Division: BRIDGE

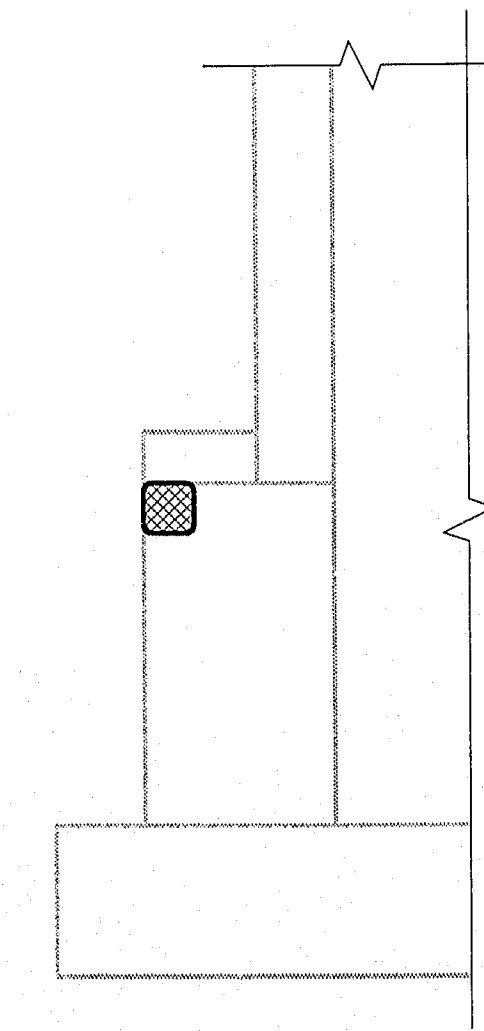
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SOUTH ELEVATION



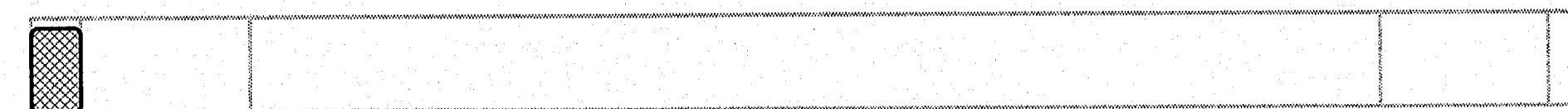
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EAST ELEVATION



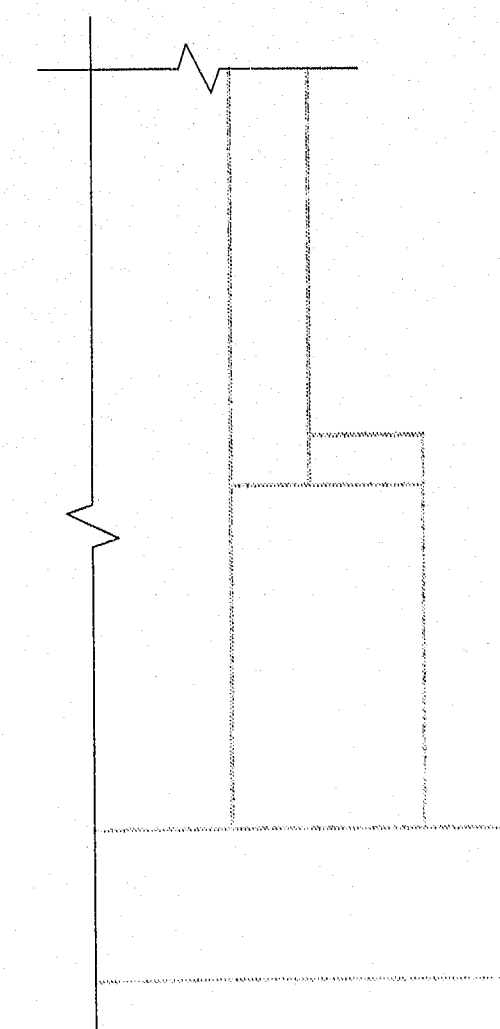
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NORTH ELEVATION



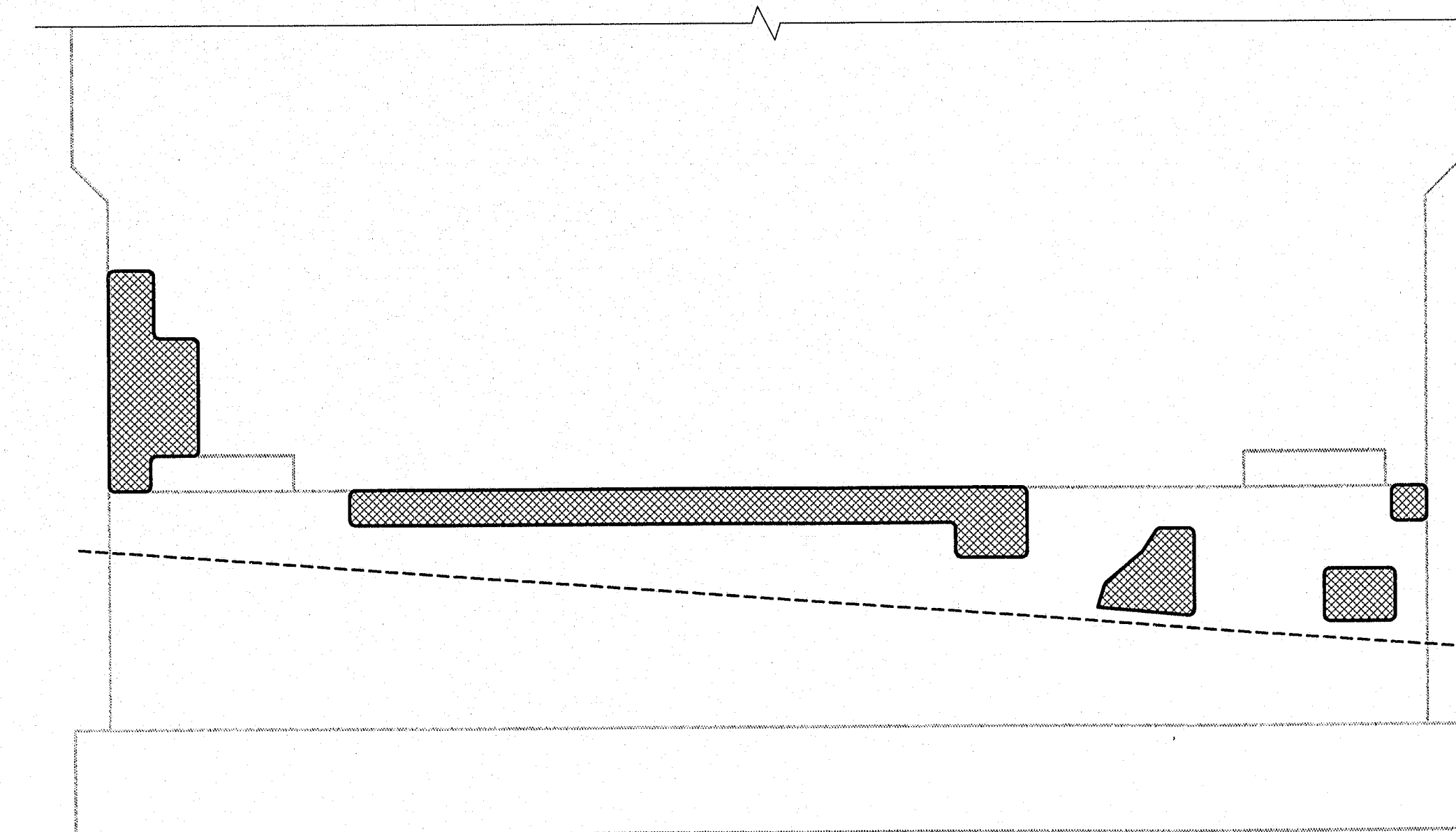
ABUTMENT 1 ~ NB MESSALONSKEE STREAM
BRIDGE SEAT PLAN



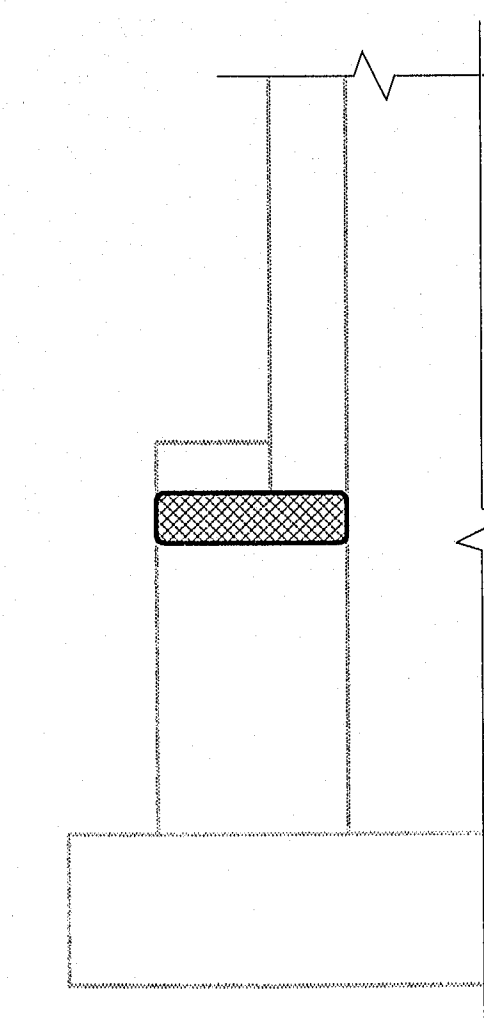
ABUTMENT 1 ~ SB MESSALONSKEE STREAM
SOUTH ELEVATION



ABUTMENT 1 ~ SB MESSALONSKEE STREAM
EAST ELEVATION



ABUTMENT 1 ~ SB MESSALONSKEE STREAM
NORTH ELEVATION



ABUTMENT 1 ~ SB MESSALONSKEE STREAM
BRIDGE SEAT PLAN



ABUTMENT NOTES:

1 Only the Messalonskee Stream Abutments are shown on this Sheet. Estimated Repair Areas for Main St. and County Rd. Abutments are listed in chart below.

2 Repair Areas marked on all Abutments are estimates and may have changed. See General Construction Notes.

ESTIMATED ABUTMENT AREAS OF CONCRETE REPAIR

All Concrete repair on Abutments will be vertical surfaces only

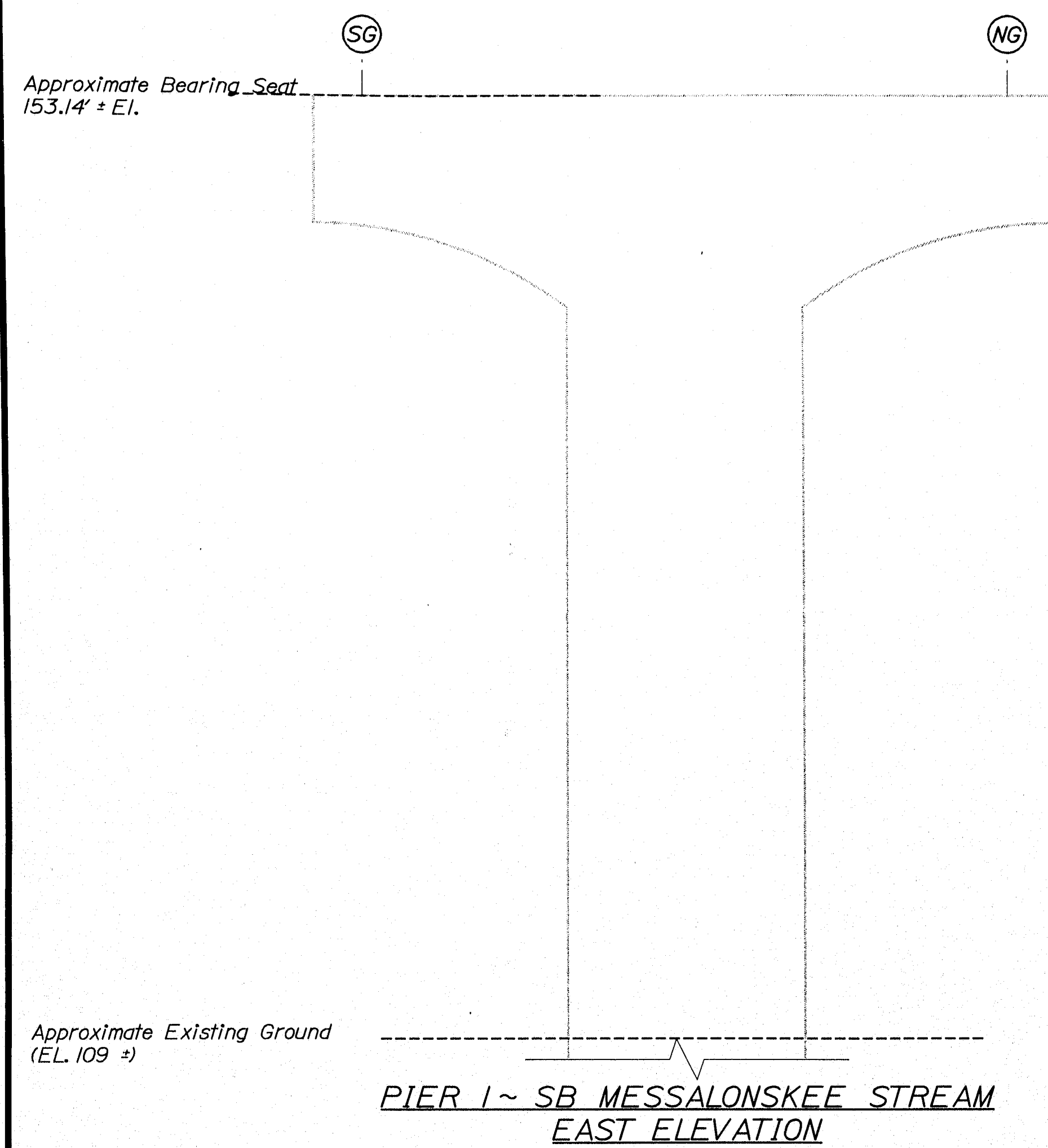
	North Bound		South Bound	
	Abutment 1	Abutment 2	Abutment 1	Abutment 2
County Road	0 ft²	0 ft²	6 ft²	13 ft²
Messalonskee Stream	89 ft²	0 ft²	69 ft²	0 ft²
Main Street	0 ft²	5 ft²	0 ft²	2 ft²
Total	89 ft²		75 ft²	

KEY

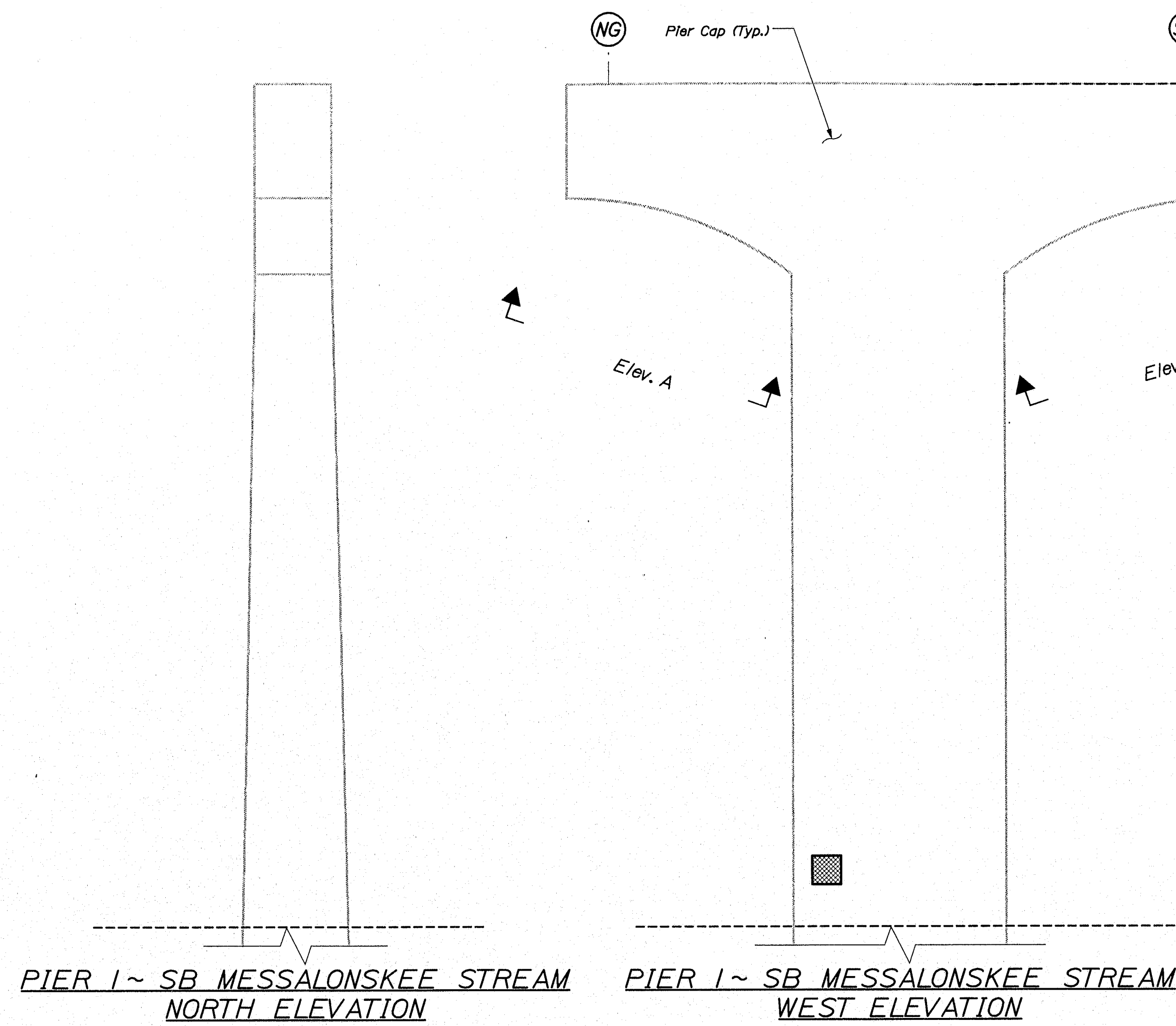
Estimated areas for Concrete Repair

STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-95-7789(100)E	BRIDGE NO. NB-5817, SB-1458	PIN 7789.10	BRIDGE PLANS
I-95 NB & SB MESSALONSKEE STREAM WATERVILLE KENNEBEC			
ESTIMATED REPAIR AREAS FOR ABUTMENTS			
SHEET NUMBER 15 OF 37			

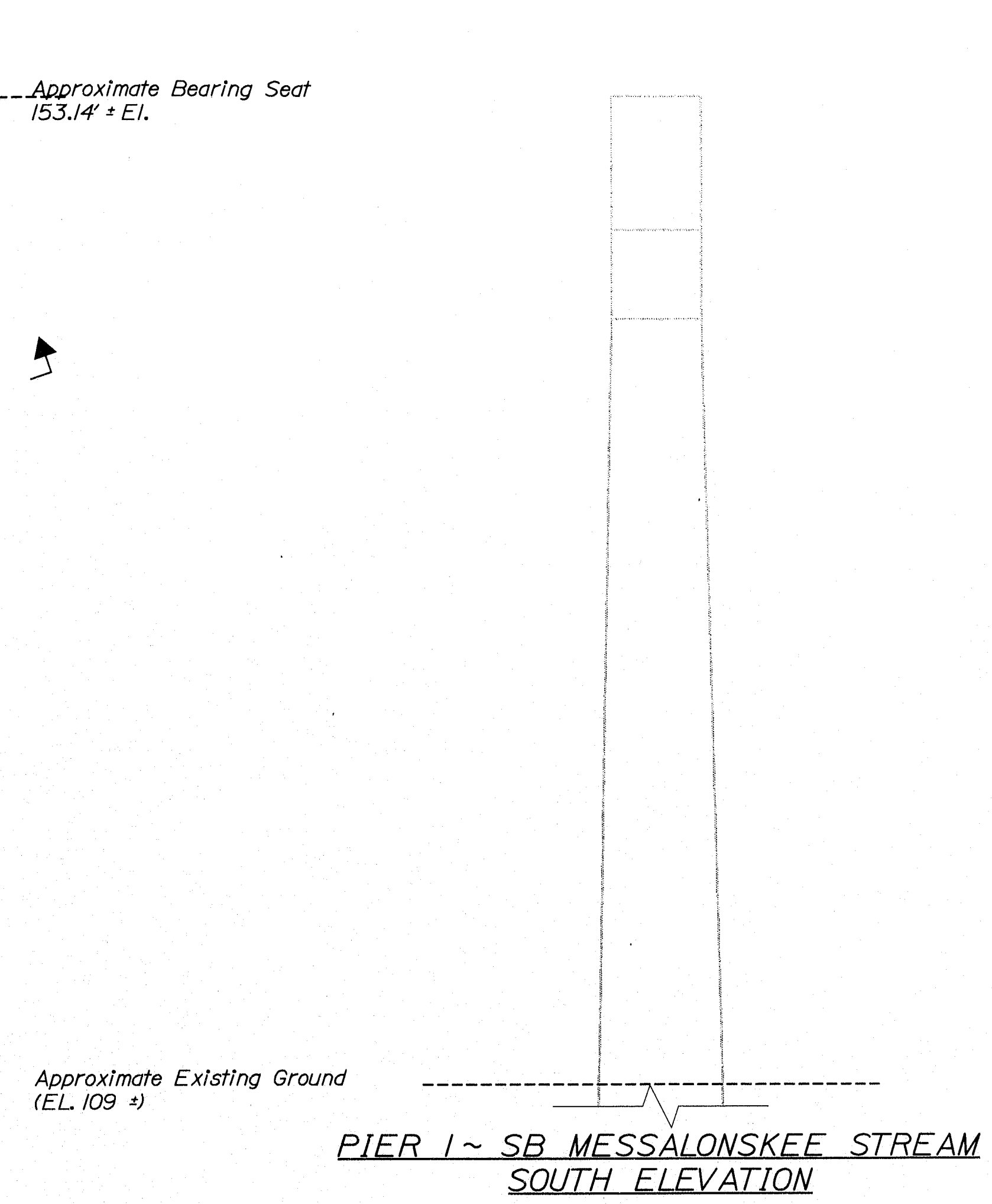
141-449



ELEV. A PIER 1 ~ SB MESSALONSKEE STREAM
NORTH PIER CAP UNDERSIDE



PIER 1 ~ SB MESSALONSKEE STREAM
BEARINGS SEAT PLAN



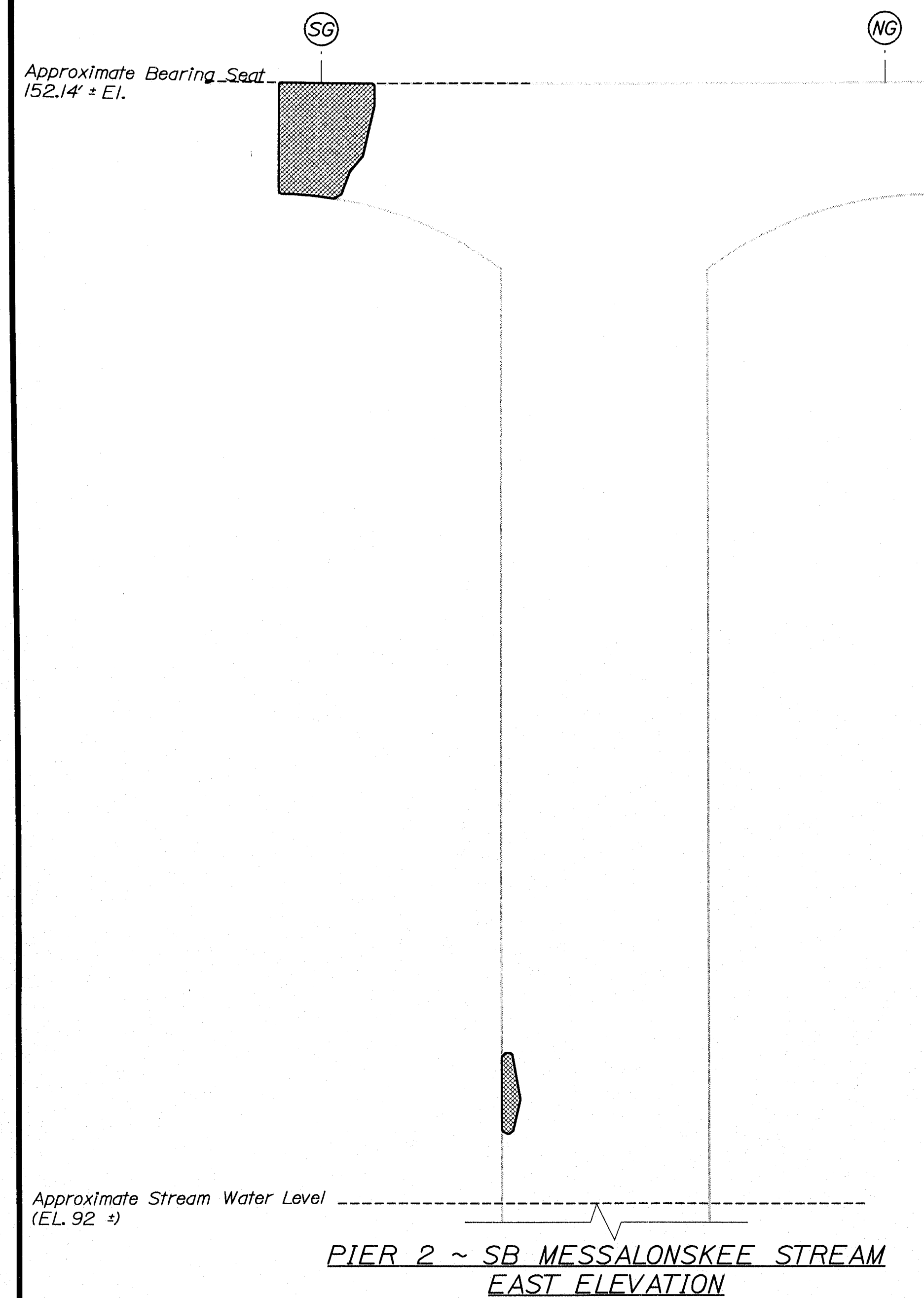
ELEV. B PIER 1 ~ SB MESSALONSKEE STREAM
SOUTH PIER CAP UNDERSIDE

ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	2 ft²
Repair of Upward Facing Surfaces	1 ft²
Repair of Overhead Surfaces	0 ft²
Total =	3 ft²

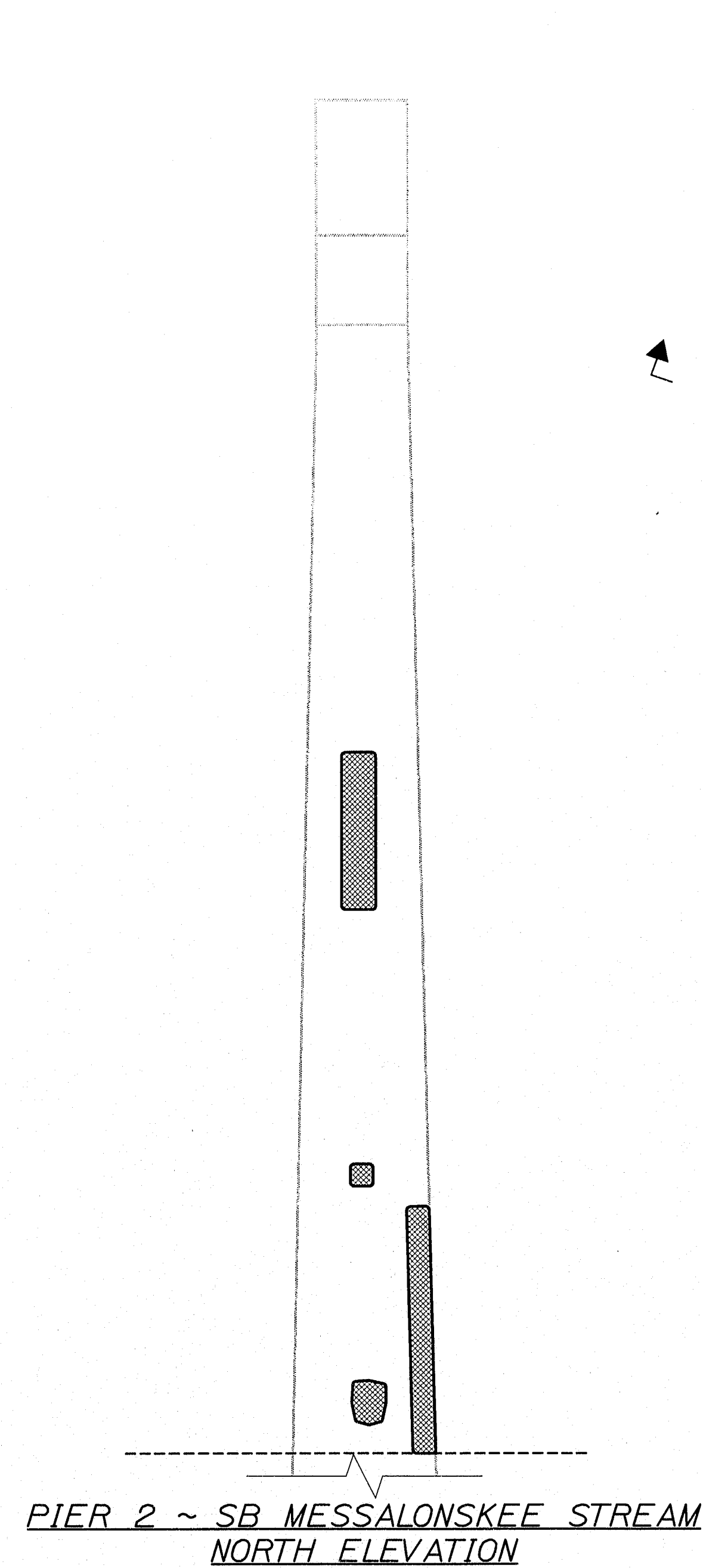
KEY
 = Estimated areas for Concrete Repair
 = This Symbol Marks C of Bearings.

STATE OF MAINE		BRIDGE NO.		PIN		BRIDGE PLANS	
DEPARTMENT OF TRANSPORTATION		NB-5817, SB-1458		7785.10			
		IM-95-7789(100)E					
		DATE		SIGNATURE			
		P.E. NUMBER		DATE			
		FIELD CHANGES		REVISIONS 1		REVISIONS 2	
		REVISIONS 3		REVISIONS 4			
I-95 NB & SB MESSALONSKEE STREAM		KENNEBEC		WATERVILLE			
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SHEET NUMBER		16					
		OF 37					

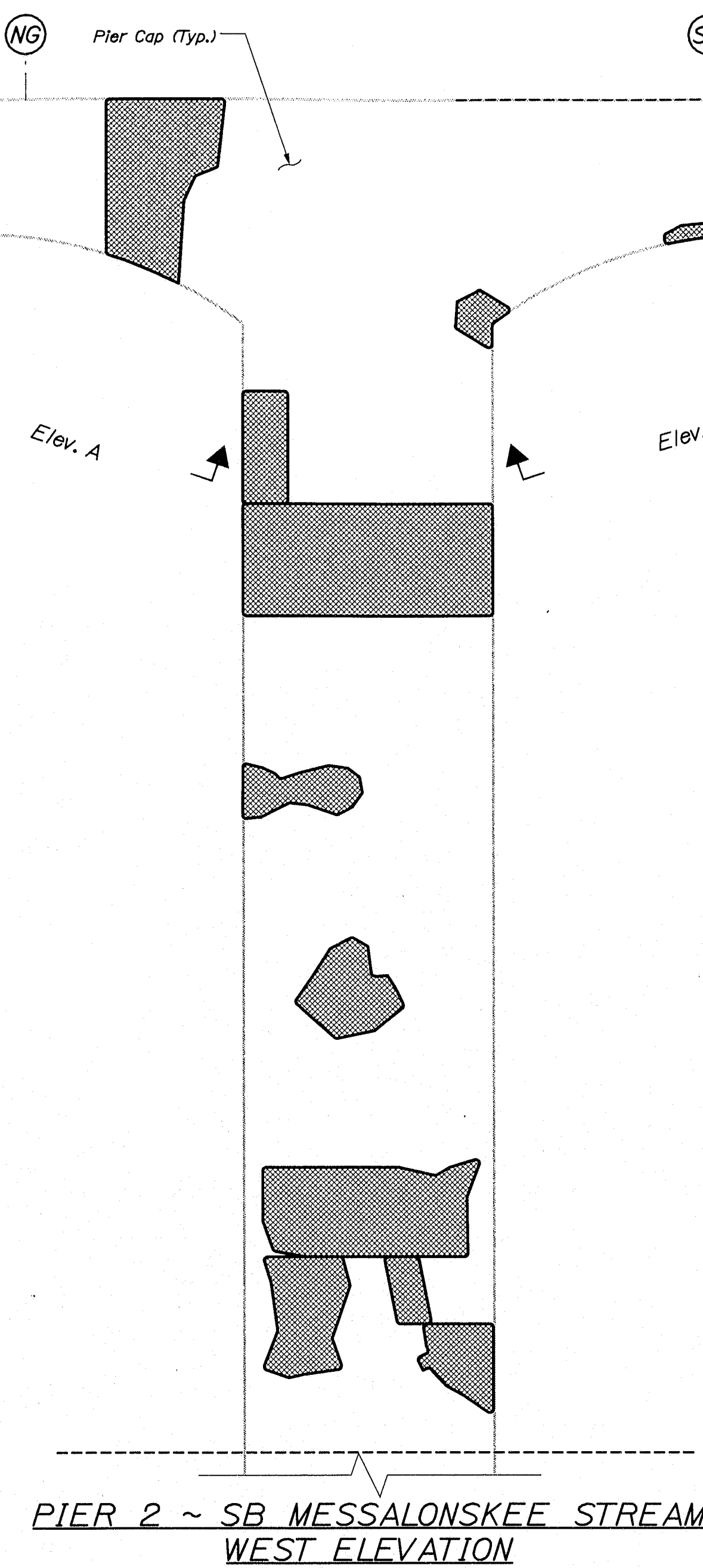
141-450



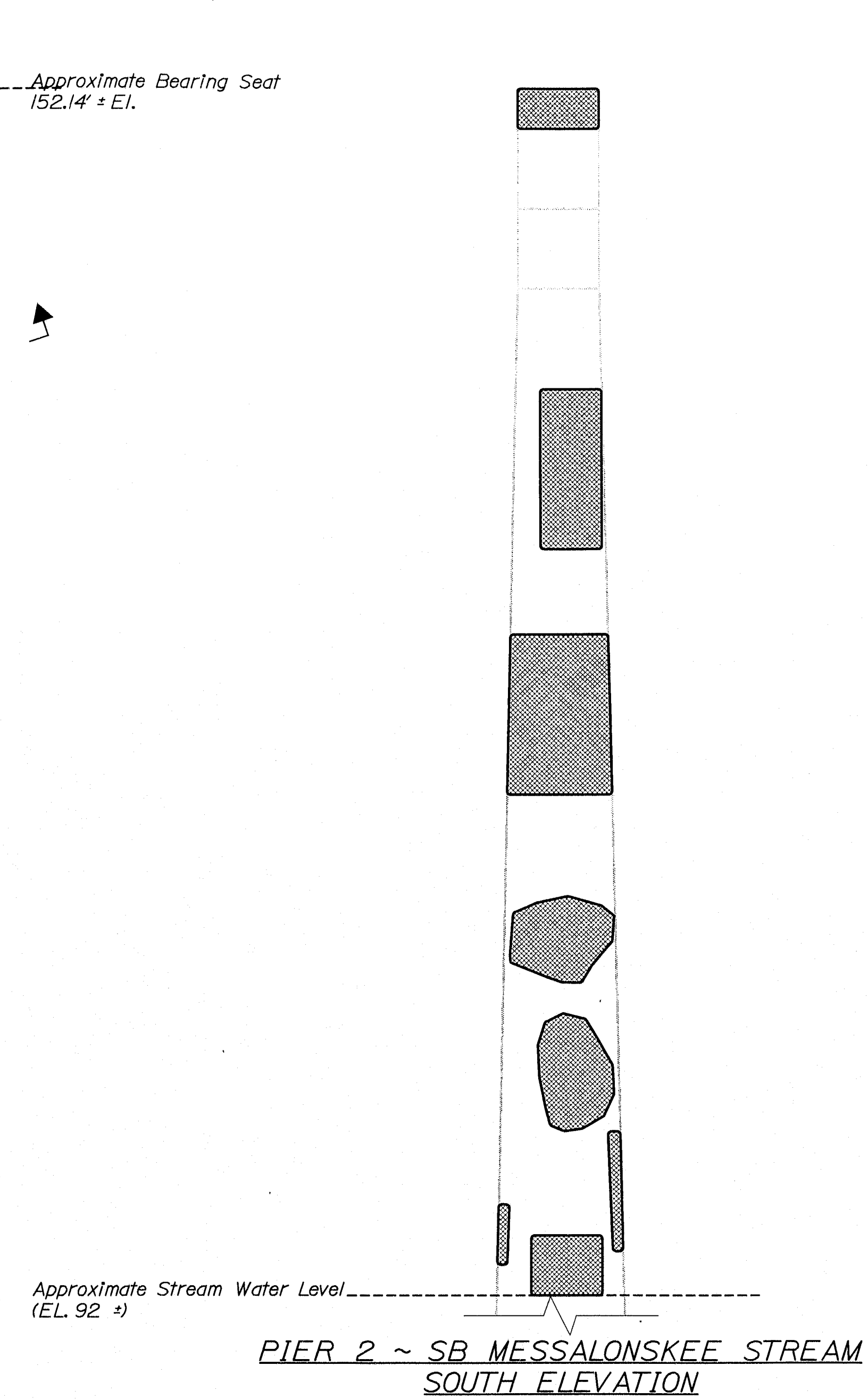
ELEV. A PIER 2 ~ SB MESSALONSKEE STREAM
NORTH PIER CAP UNDERSIDE



PIER 2 ~ SB MESSALONSKEE STREAM
BEARINGS SEAT PLAN



ELEV. B PIER 2 ~ SB MESSALONSKEE STREAM
SOUTH PIER CAP UNDERSIDE

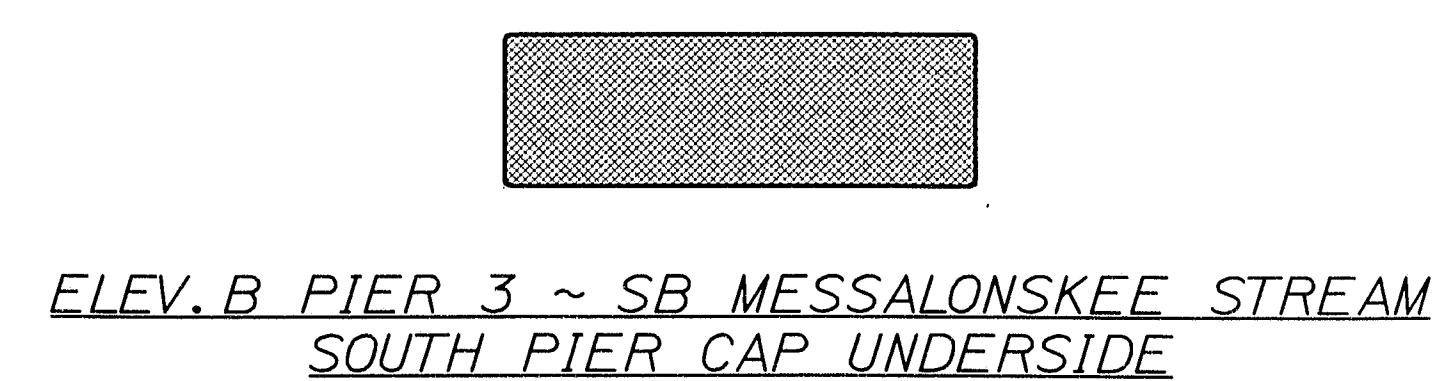
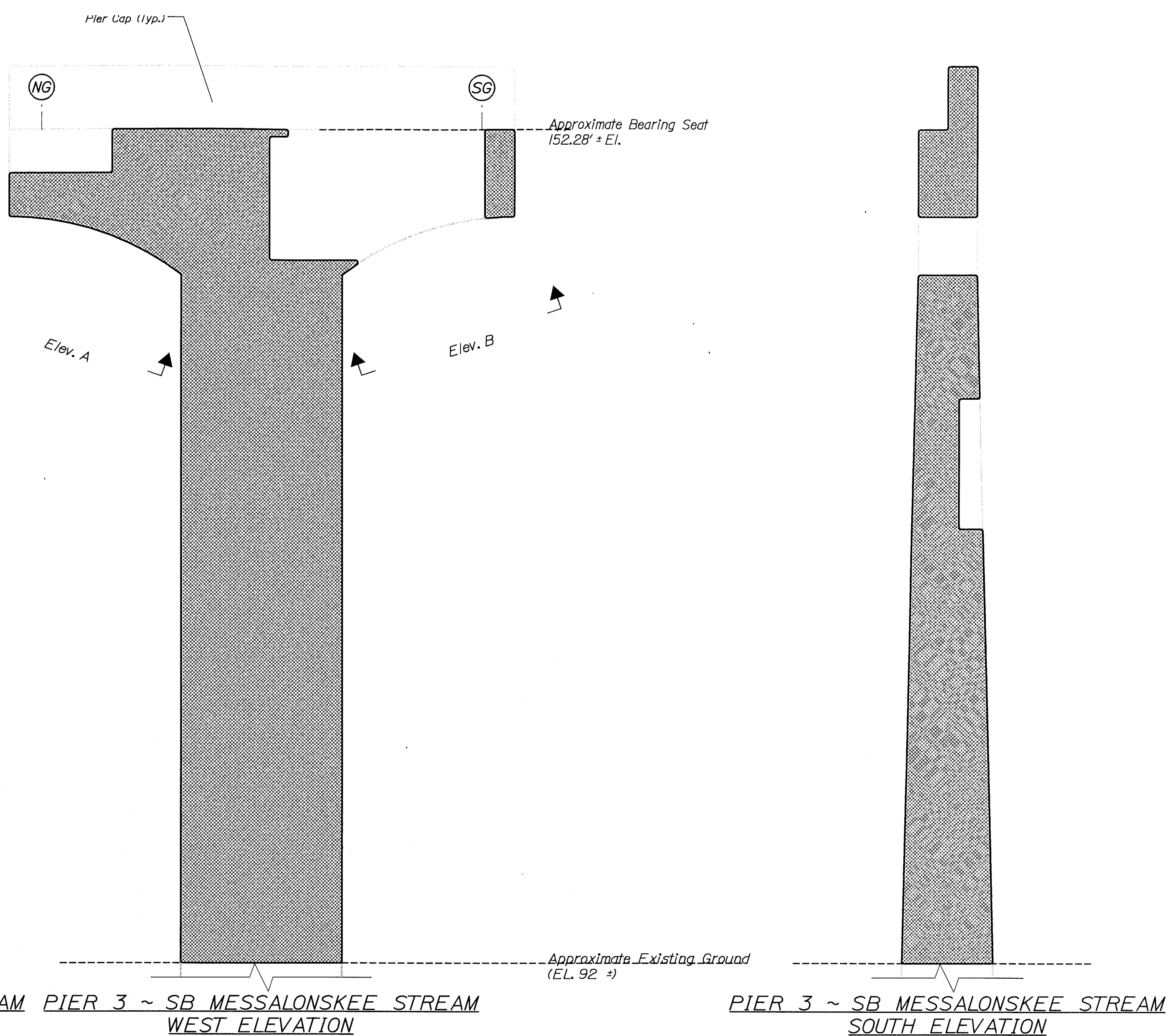
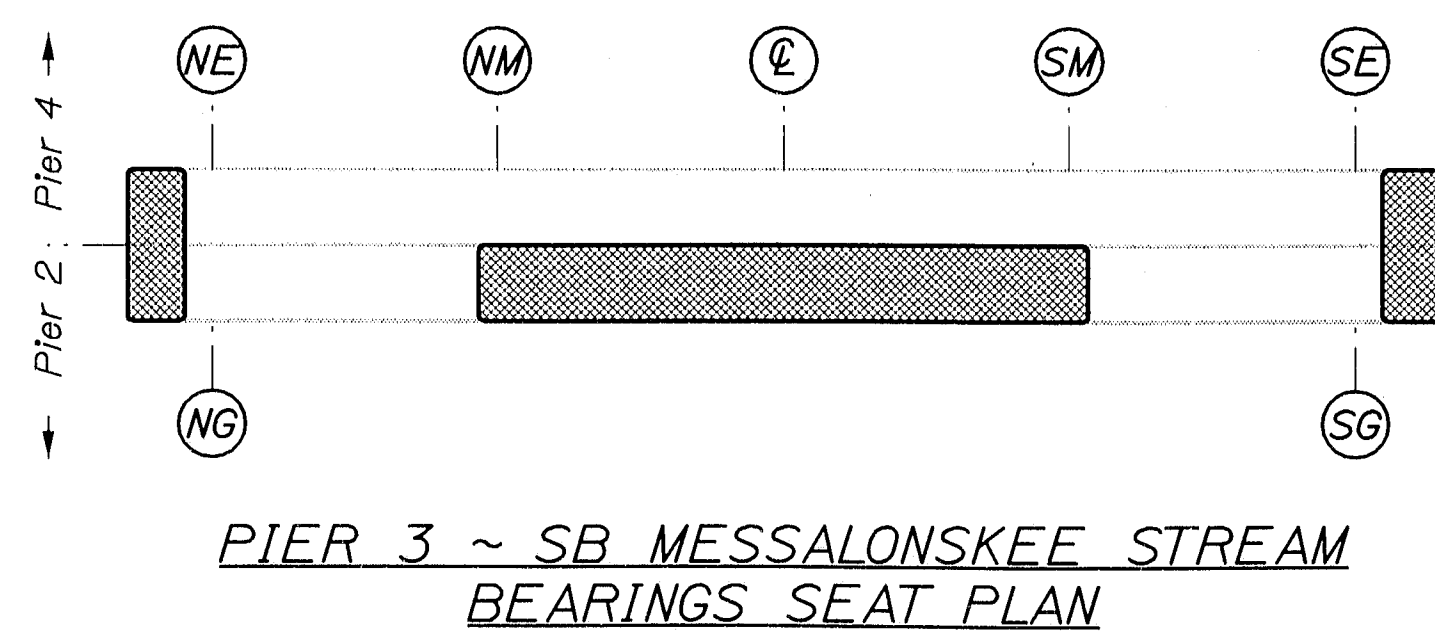
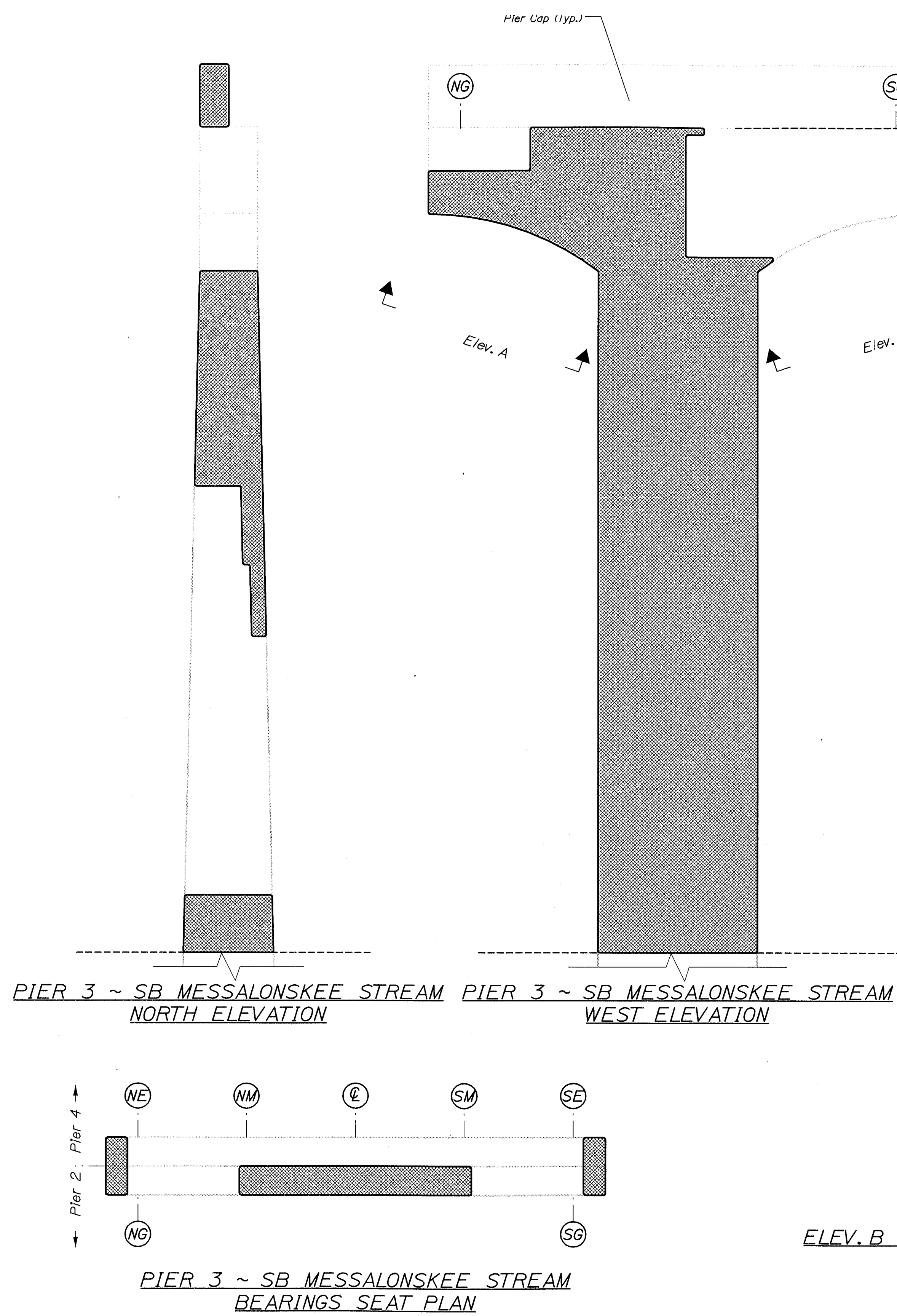
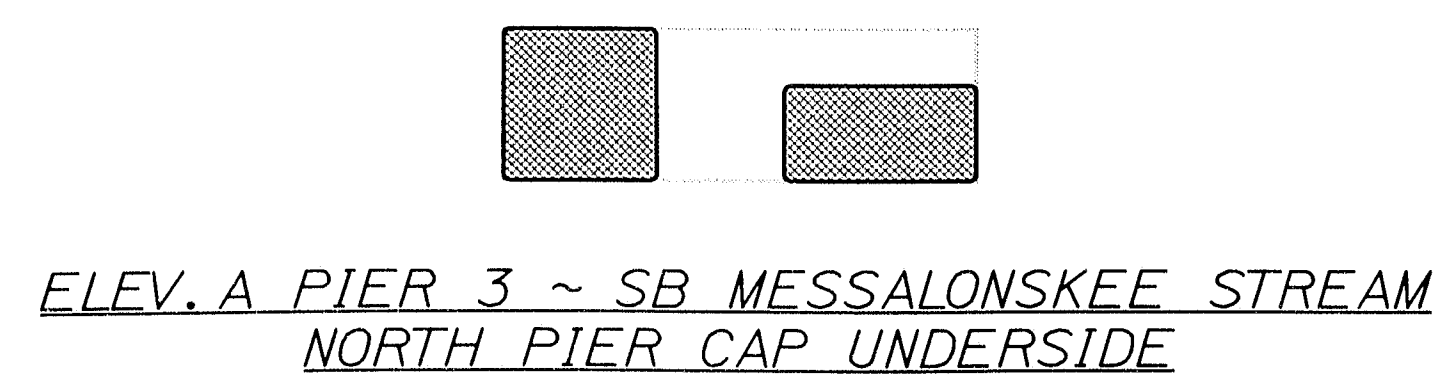
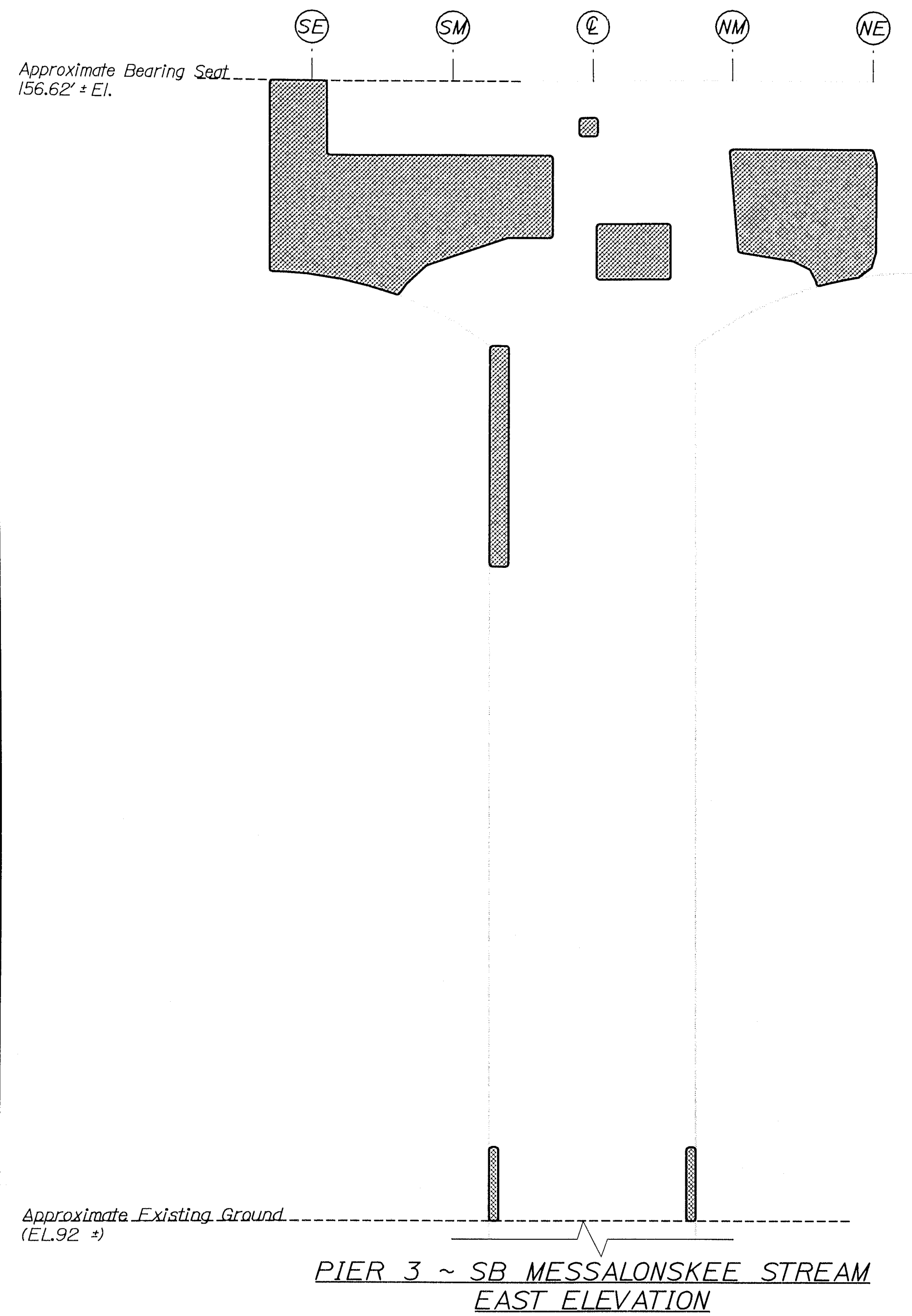


ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	367 ft ²
Repair of Upward Facing Surfaces	0 ft ²
Repair of Overhead Surfaces	32 ft ²
Total =	399 ft ²

KEY
 - Estimated areas for Concrete Repair
 - This Symbol Marks C of Bearings.

141-451

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
IM-95-7789(100)E		BRIDGE NO. NB-5817, SB-1458	
PIN 7789.10		BRIDGE PLANS	
PROJECT MANAGER		DATE	SIGNATURE
DESIGNER		DATE	P.E. NUMBER
CHECKED		DATE	DATE
DESIGNED		DATE	DATE
REVISIONS 1		DATE	DATE
REVISIONS 2		DATE	DATE
REVISIONS 3		DATE	DATE
REVISIONS 4		DATE	DATE
FIELD CHANGES		DATE	DATE
I-95 NB & SB MESSALONSKEE STREAM KENNEBEC			
WATERVILLE			
ESTIMATED REPAIR AREA PIER No. 2 SB MESSALONSKEE STREAM			
SHEET NUMBER			
17			
OF 37			

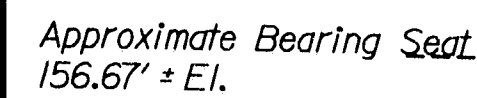


ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	1218 ft²
Repair of Upward Facing Surfaces	44 ft²
Repair of Overhead Surfaces	78 ft²
Total =	1340 ft²

KEY
 = Estimated areas for Concrete Repair
 = This Symbol Marks Q of Bearings.

141-452

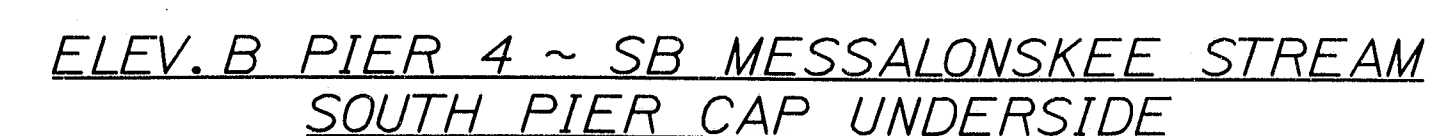
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		BRIDGE NO. NB-5617 SB-1458		PIN 7789.10		BRIDGE PLANS	
		IM-95-7789(100)E					
PROJ. MANAGER	WLF	BY	DATE	SIGNATURE	P.E. NUMBER	DATE	
DESIGN-DETAILED	NBB	DNS	8/29/05				
CHECKED-REVIEWED	ETC	NBB	8/29/05				
DESIGN-DETAILED	ETC						
REVISIONS 1							
REVISIONS 2							
REVISIONS 3							
REVISIONS 4							
FIELD CHANGES							
I-95 NB & SB MESSALONSKEE STREAM WATERVILLE				ESTIMATED REPAIR AREA PIER No. 3 SB MESSALONSKEE STREAM			
SHEET NUMBER				18			
				OF 37			



PIER 4 ~ SB MESSALONSKEE STREAM
EAST ELEVATION



PIER 4 ~ SB MESSALONSKEE STREAM
WEST ELEVATION



KEY

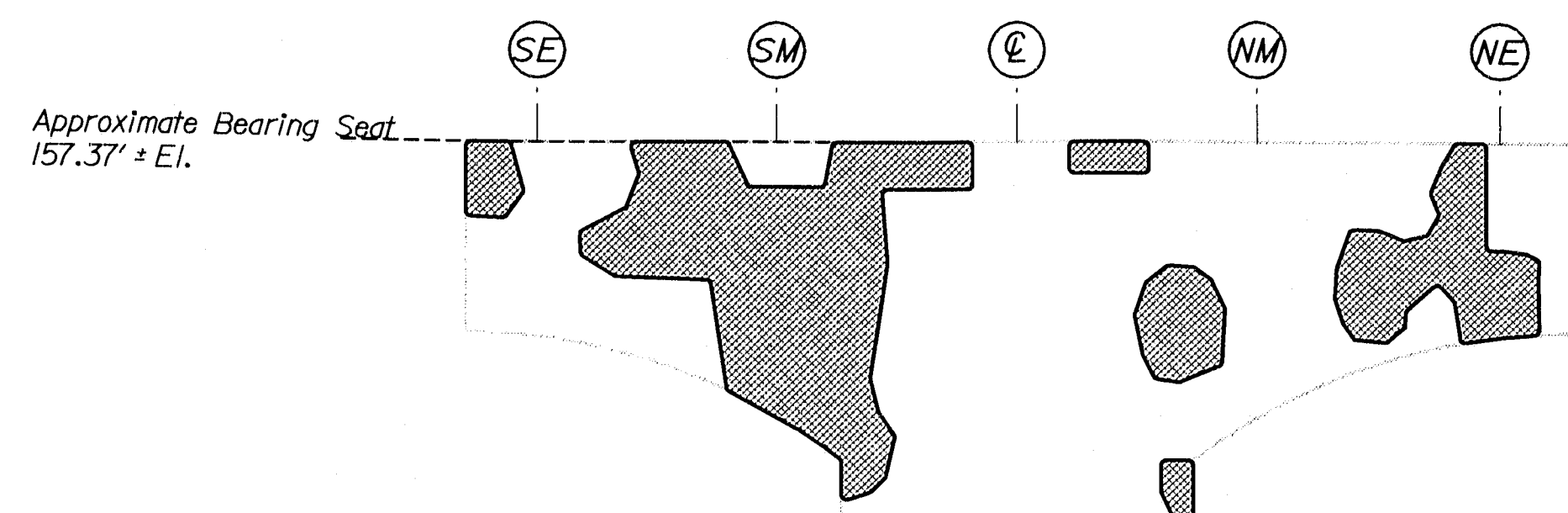
(##) = This Symbol Marks \mathbb{C} of Bearings.

141-453

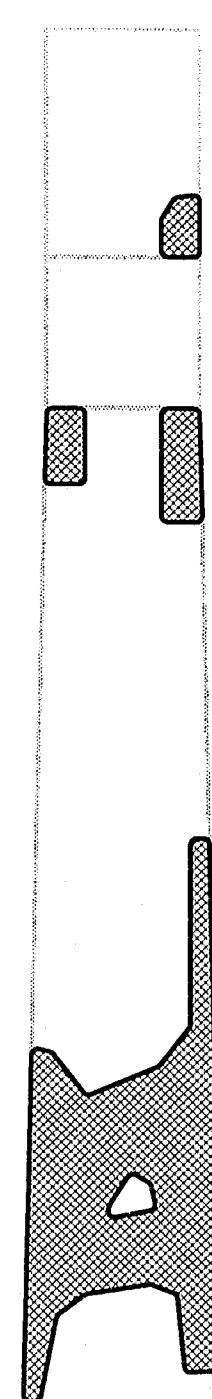
SHEET NUMBER

19

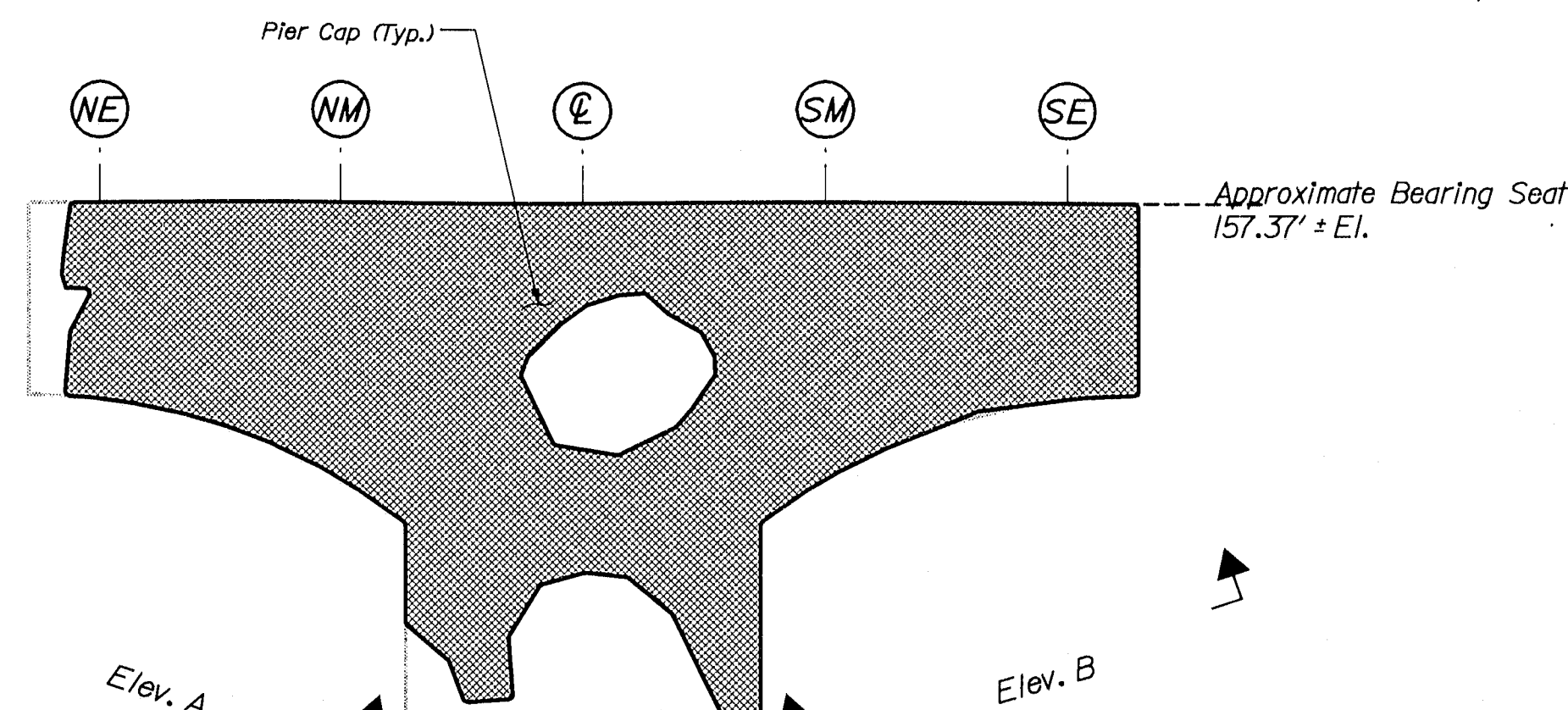
OF 37



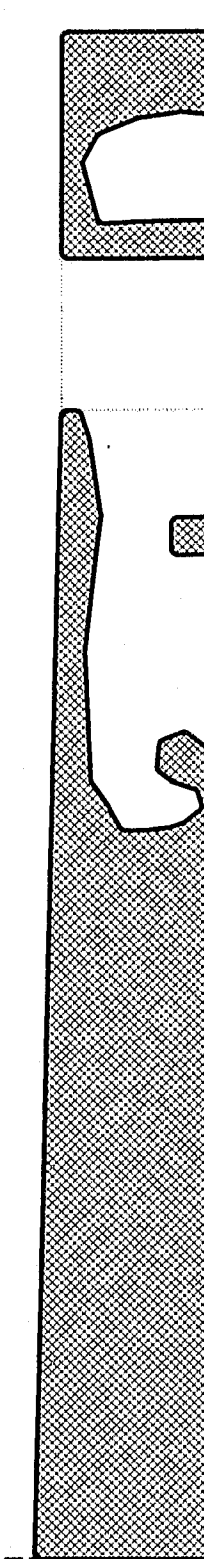
PIER 5 ~ SB MESSALONSKEE STREAM
EAST ELEVATION



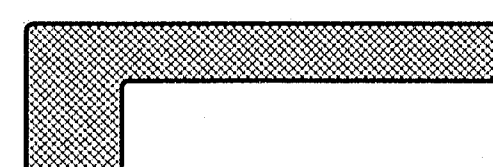
PIER 5 ~ SB MESSALONSKEE STREAM
NORTH ELEVATION



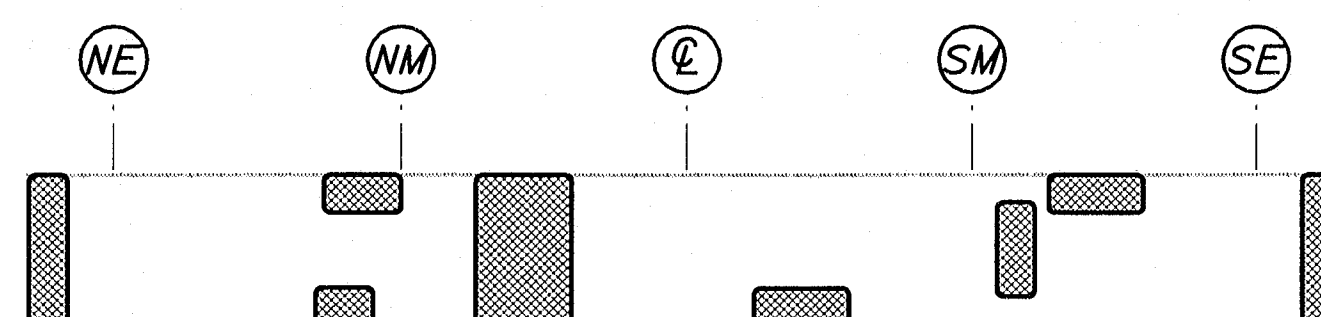
PIER 5 ~ SB MESSALONSKEE STREAM
WEST ELEVATION



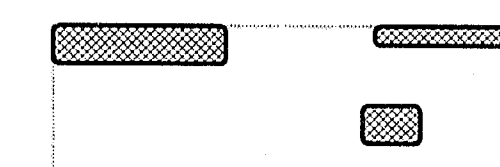
PIER 5 ~ SB MESSALONSKEE STREAM
SOUTH ELEVATION



ELEV. A PIER 5 ~ SB MESSALONSKEE STREAM
NORTH PIER CAP UNDERSIDE



PIER 5 ~ SB MESSALONSKEE STREAM
BEARINGS SEAT PLAN

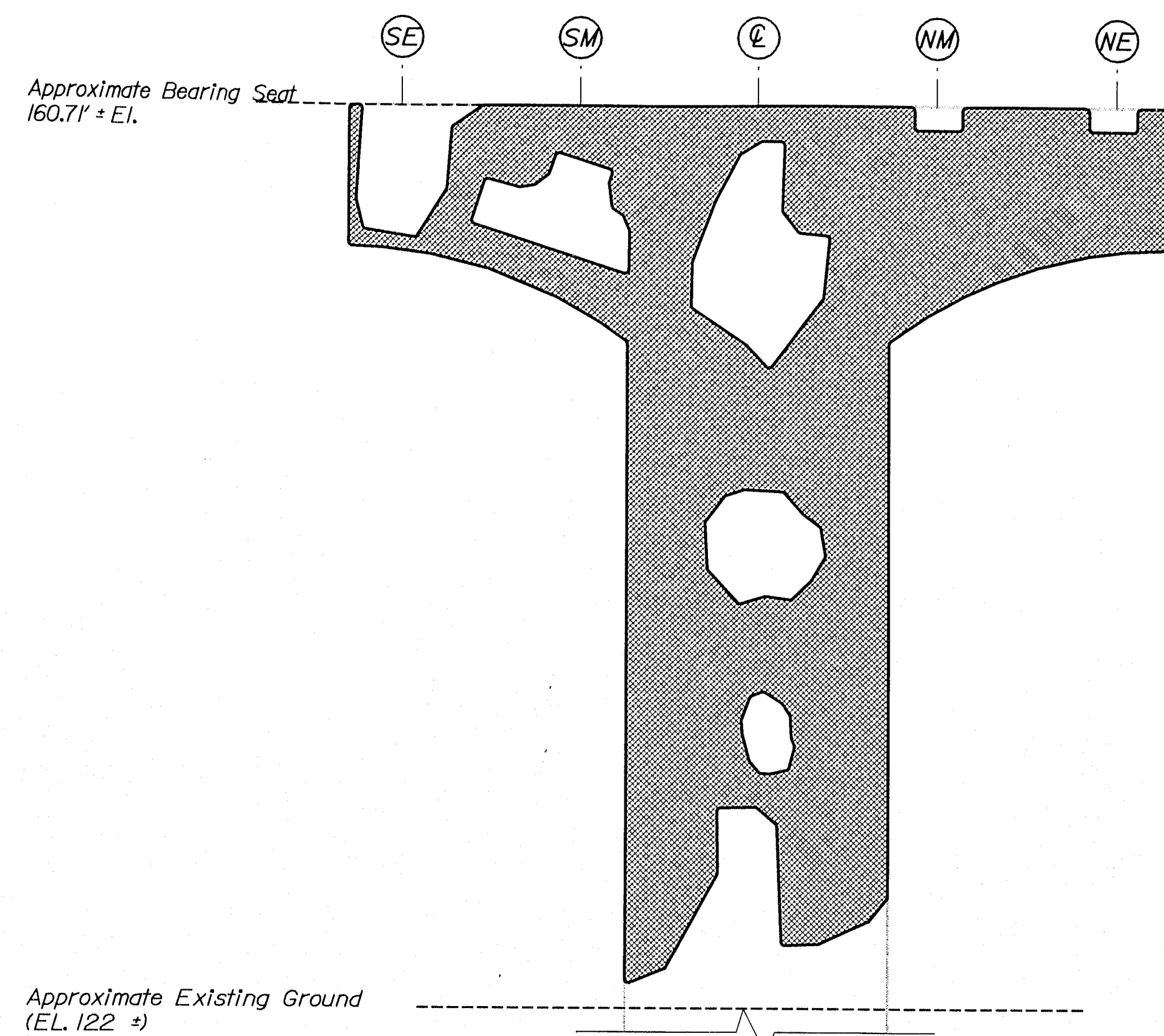


ELEV. B PIER 5 ~ SB MESSALONSKEE STREAM
SOUTH PIER CAP UNDERSIDE

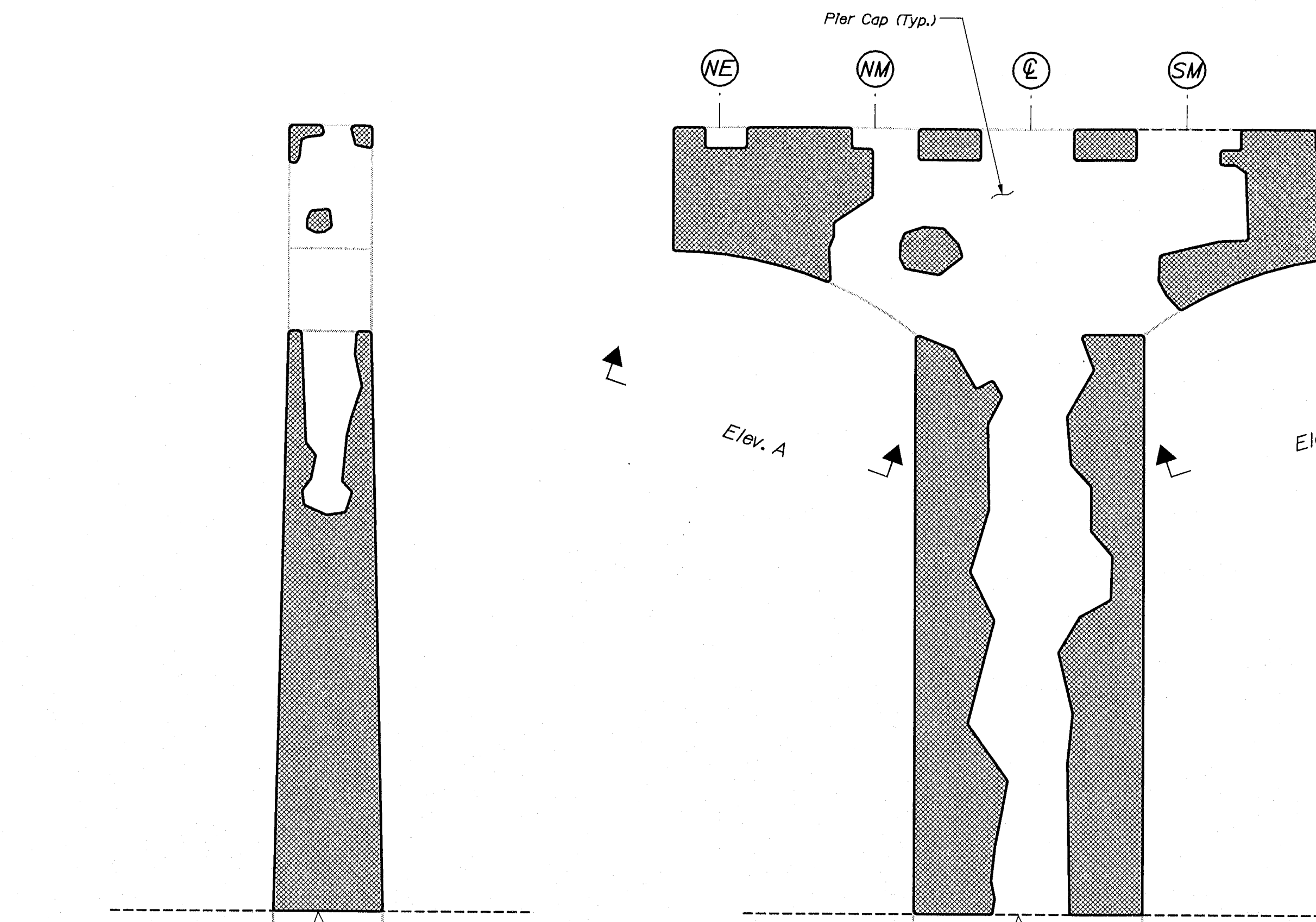
ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	785 ft²
Repair of Upward Facing Surfaces	29 ft²
Repair of Overhead Surfaces	33 ft²
Total	847 ft²

KEY
■ = Estimated areas for Concrete Repair
= This Symbol Marks E of Bearings.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		IM-95-7789(100)E	
BRIDGE NO. NB-5817, SB-1458		PIN 7789.10	
I-95 NB & SB MESSALONSKEE STREAM WATERVILLE		KENNEBEC	
ESTIMATED REPAIR AREA PIER No. 5 SB MESSALONSKEE STREAM		SHEET NUMBER 20 OF 37	

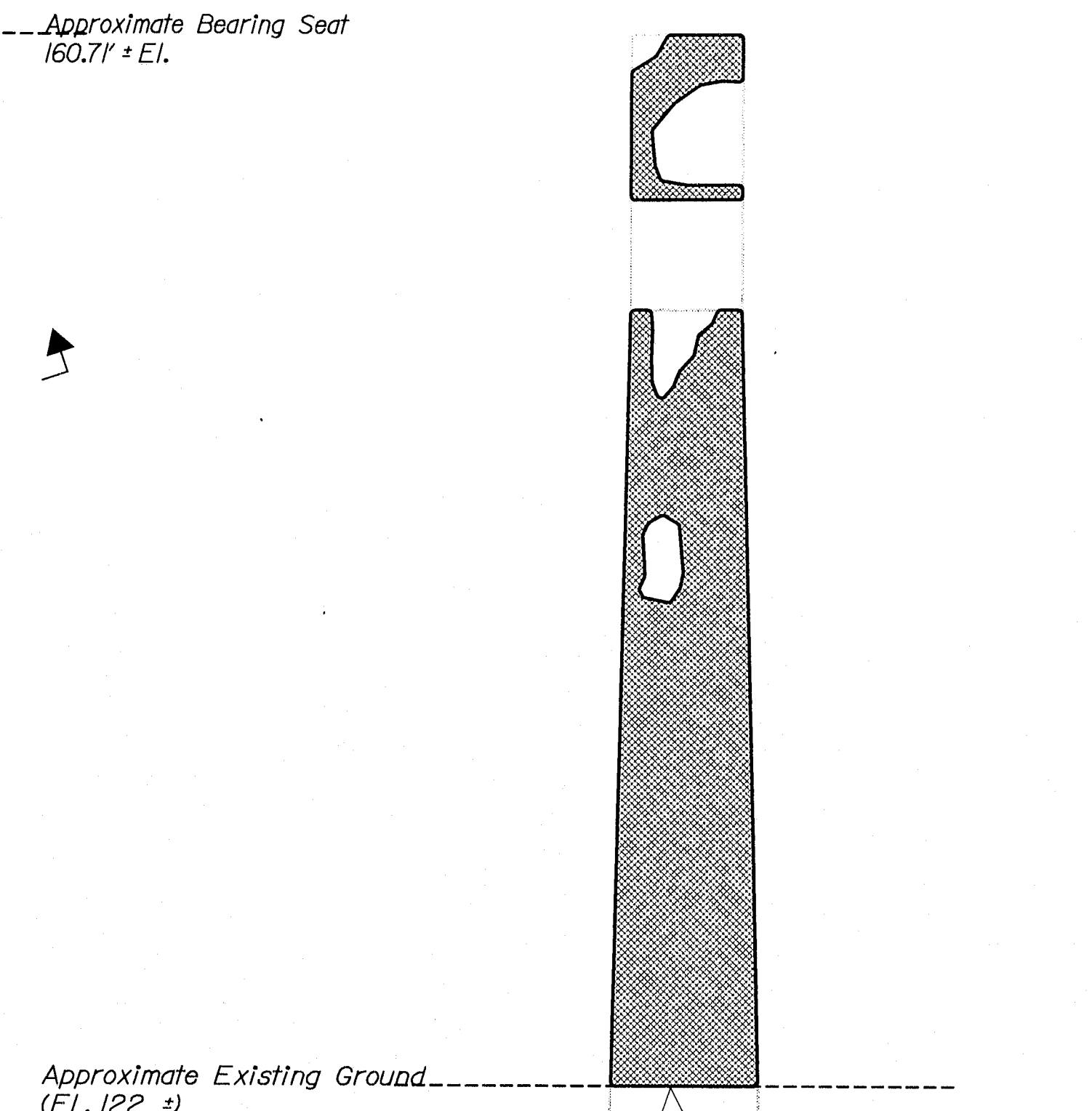


PIER 6 ~ SB MESSALONSKEE STREAM
EAST ELEVATION

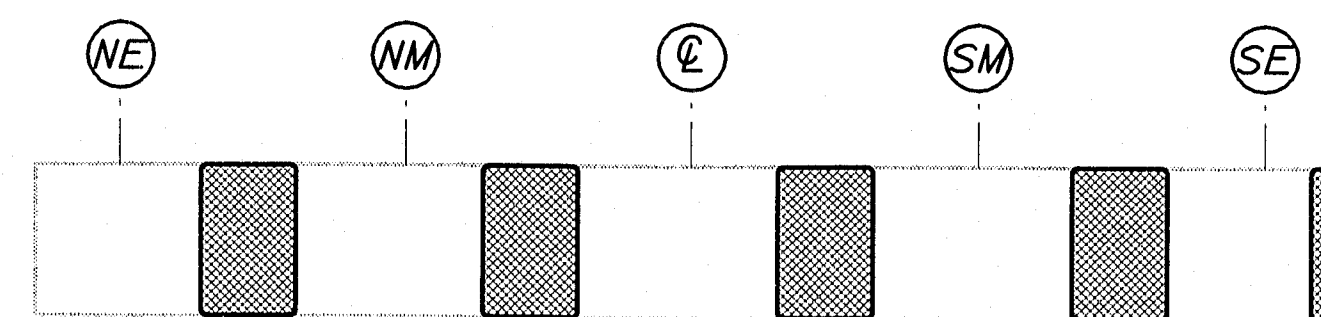
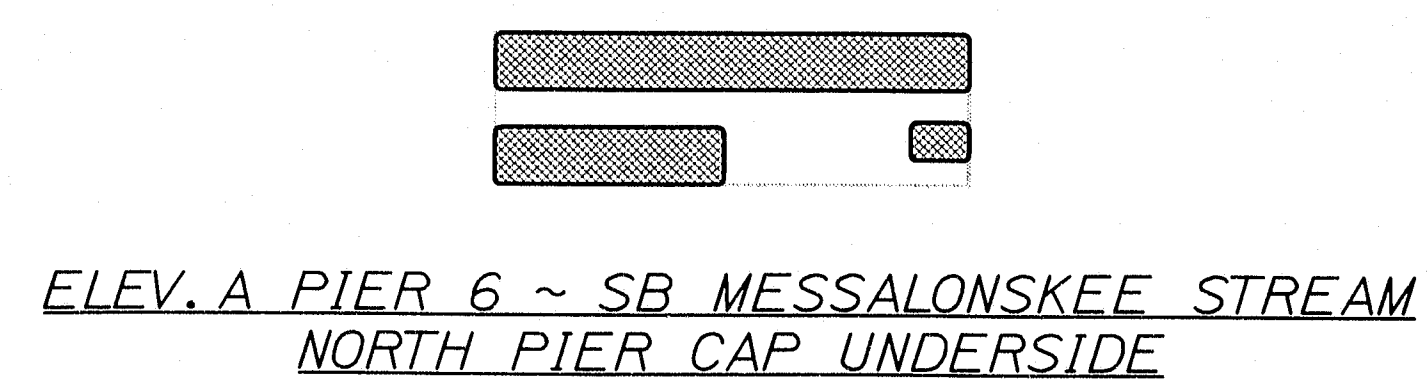


PIER 6 ~ SB MESSALONSKEE STREAM
NORTH ELEVATION

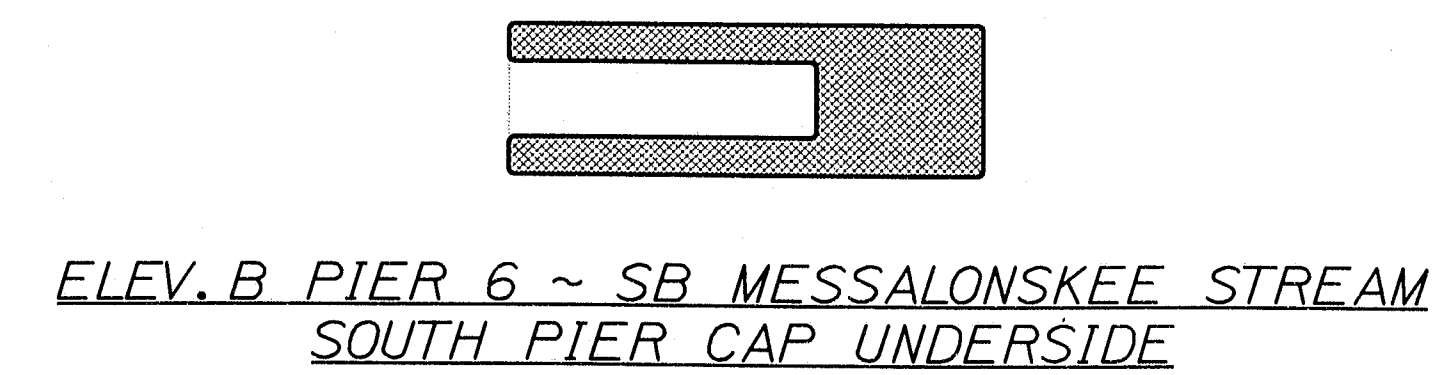
PIER 6 ~ SB MESSALONSKEE STREAM
WEST ELEVATION



PIER 6 ~ SB MESSALONSKEE STREAM
SOUTH ELEVATION



PIER 6 ~ SB MESSALONSKEE STREAM
BEARINGS SEAT PLAN



ELEV. B PIER 6 ~ SB MESSALONSKEE STREAM
SOUTH PIER CAP UNDERSIDE

ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	1001 ft²
Repair of Upward Facing Surfaces	44 ft²
Repair of Overhead Surfaces	62 ft²
Total =	1107 ft²

KEY
 [Hatched Box] = Estimated areas for Concrete Repair
 [Circle with #] = This Symbol Marks C of Bearings.

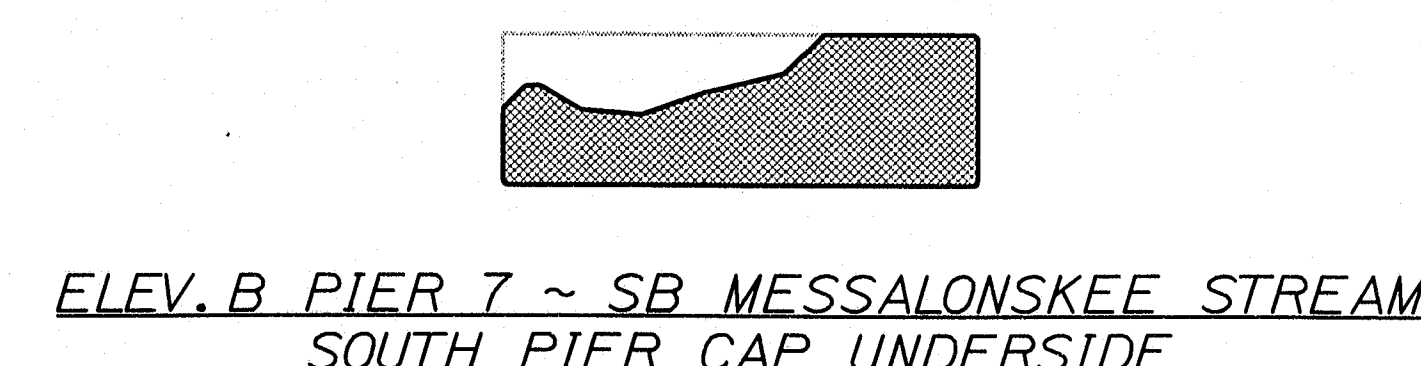
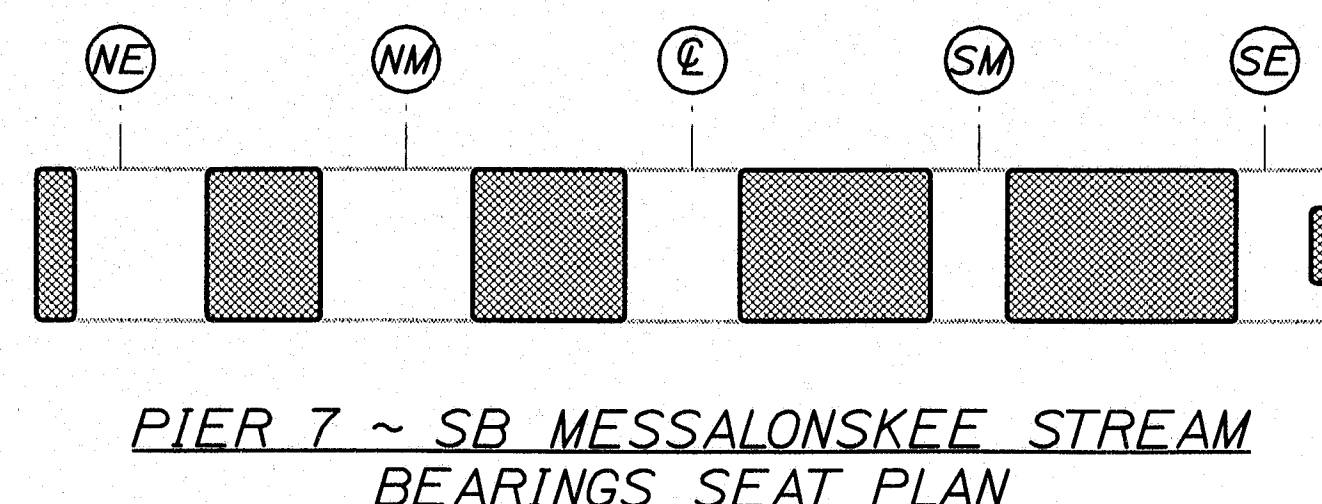
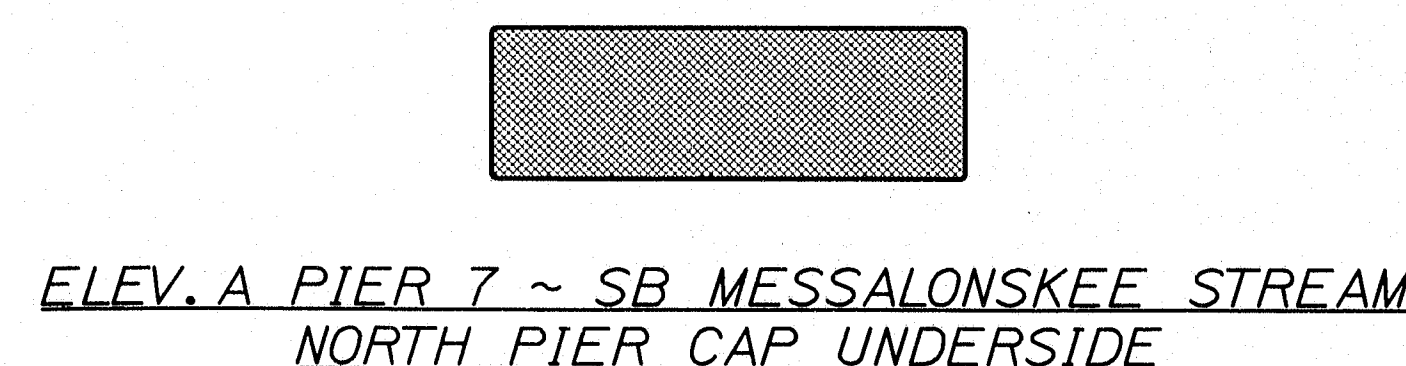
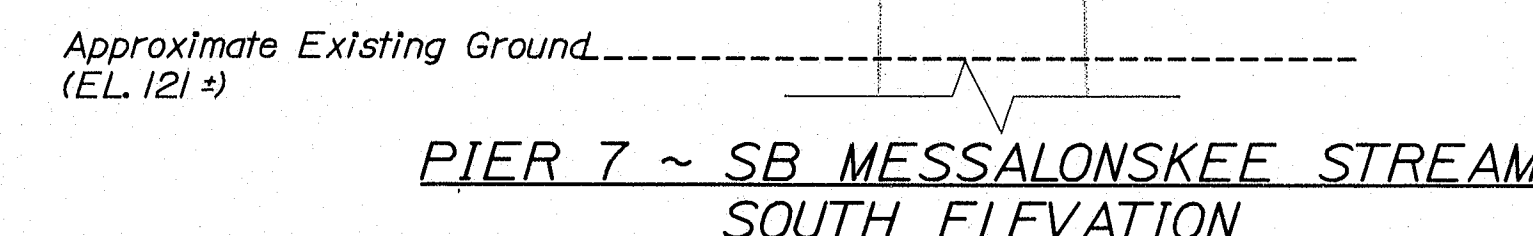
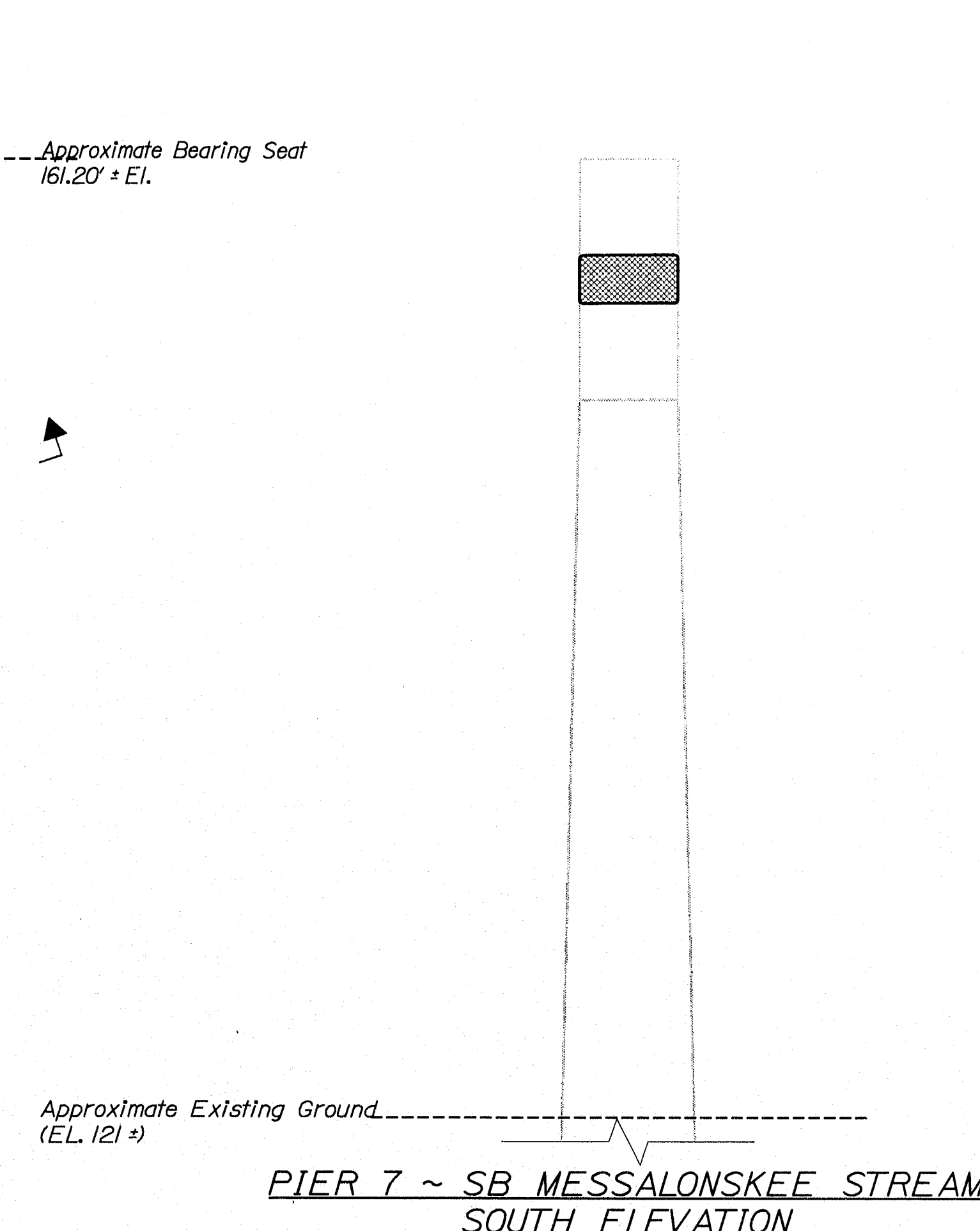
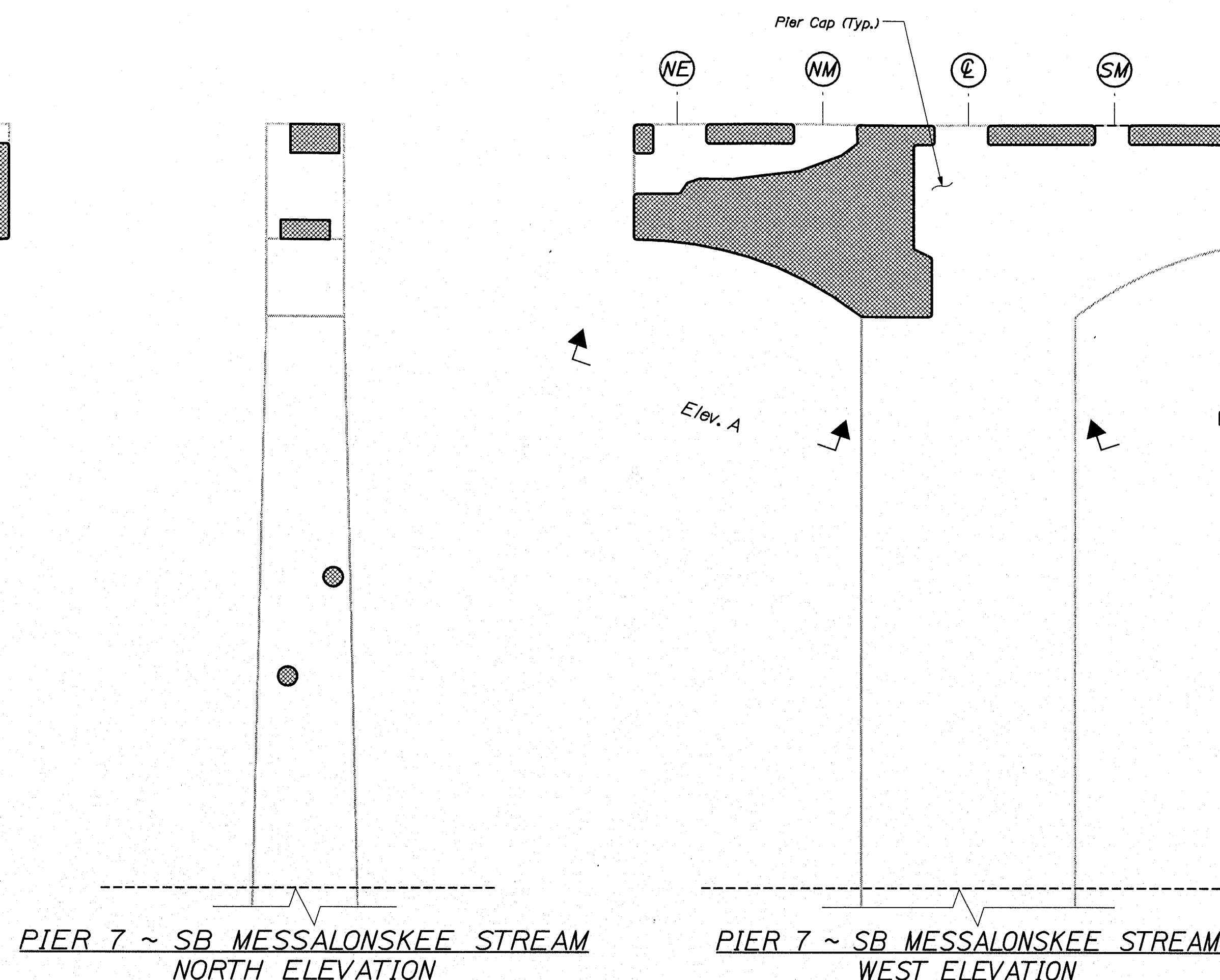
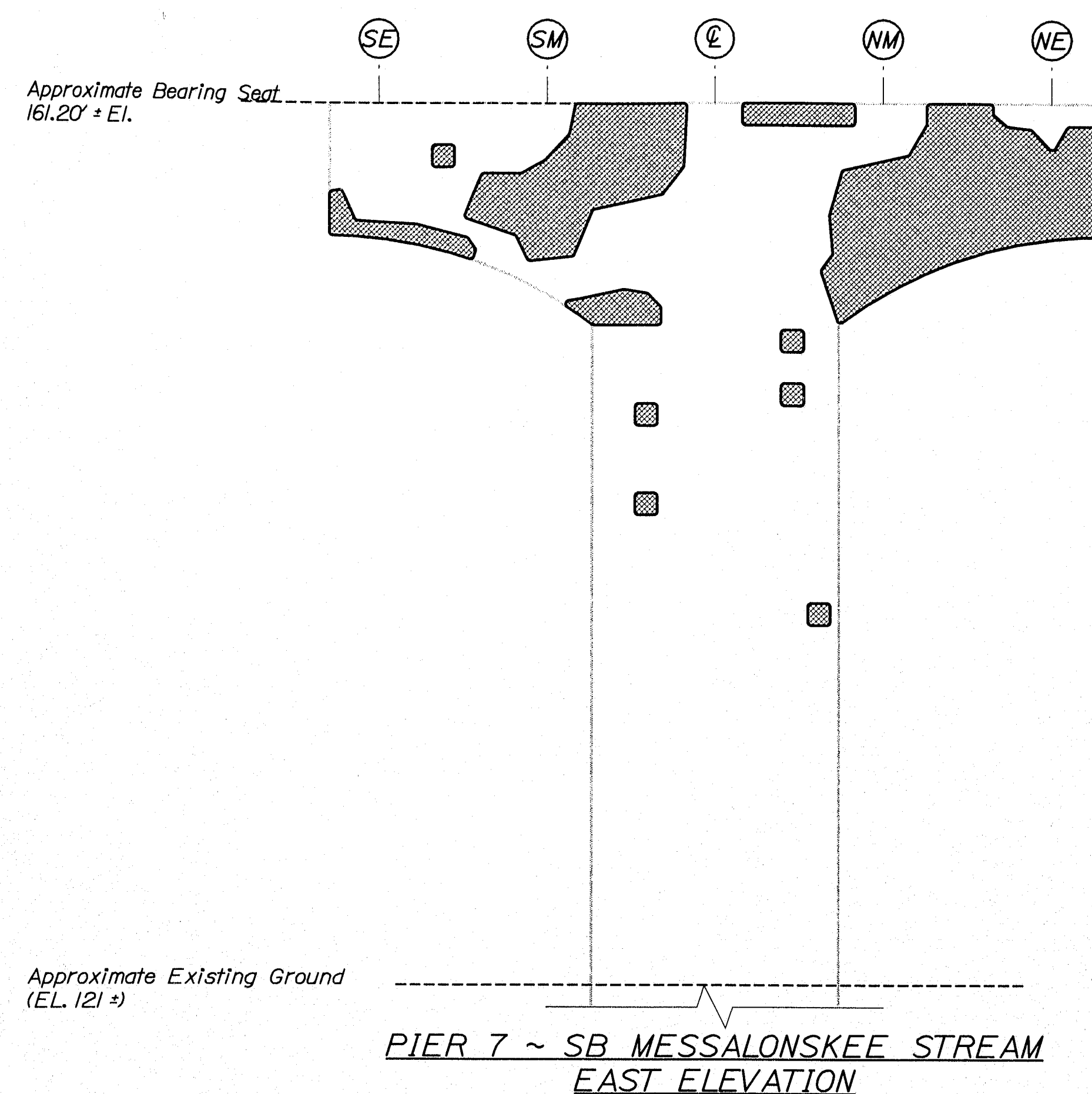
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		BRIDGE NO. NB-9917, SB-1458		PIN 7789.10		BRIDGE PLANS	
I-95 NB & SB MESSALONSKEE STREAM KENNEBEC WATERVILLE		DESIGN-REVIEWED DATE 8/29/05		SIGNATURE		P.L. NUMBER	
ESTIMATED REPAIR AREA PIER No. 6 SB MESSALONSKEE STREAM		DESIGN-REVIEWED DATE 8/29/05		SIGNATURE		P.L. NUMBER	
SHEET NUMBER 21		REVISIONS 1		REVISIONS 2		REVISIONS 3	
OF 37		REVISIONS 4		REVISIONS 5		REVISIONS 6	

141-455

Filename: ...022_Pier_7_SB_Messalonskee_Stream.dgn
Date: 1/17/2006

Username: david.sullivan

BRIDGE



ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	256 ft²
Repair of Upward Facing Surfaces	78 ft²
Repair of Overhead Surfaces	86 ft²
Total =	420 ft²

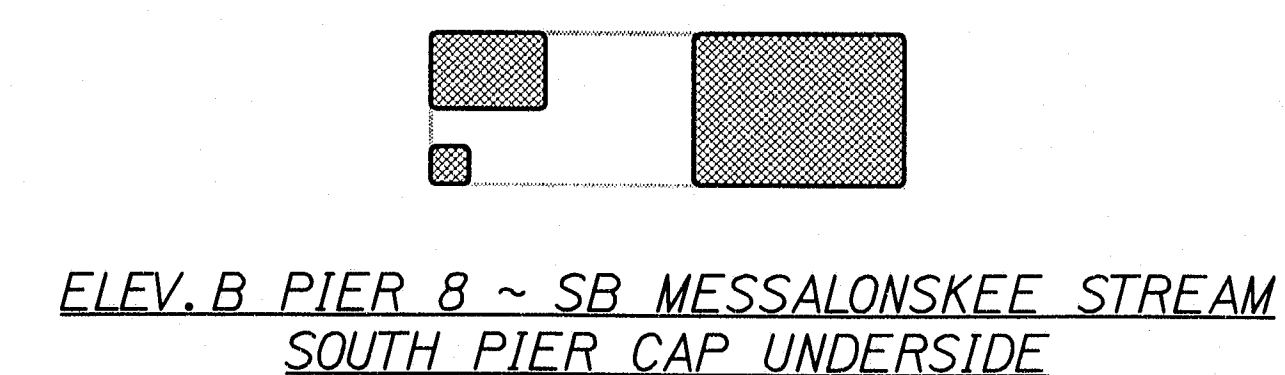
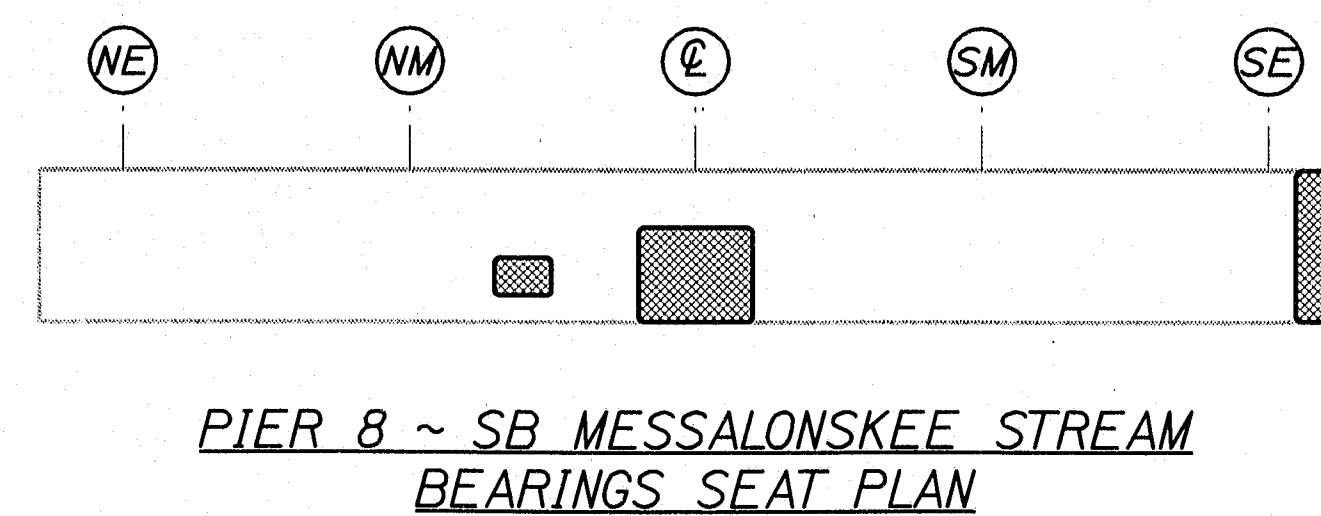
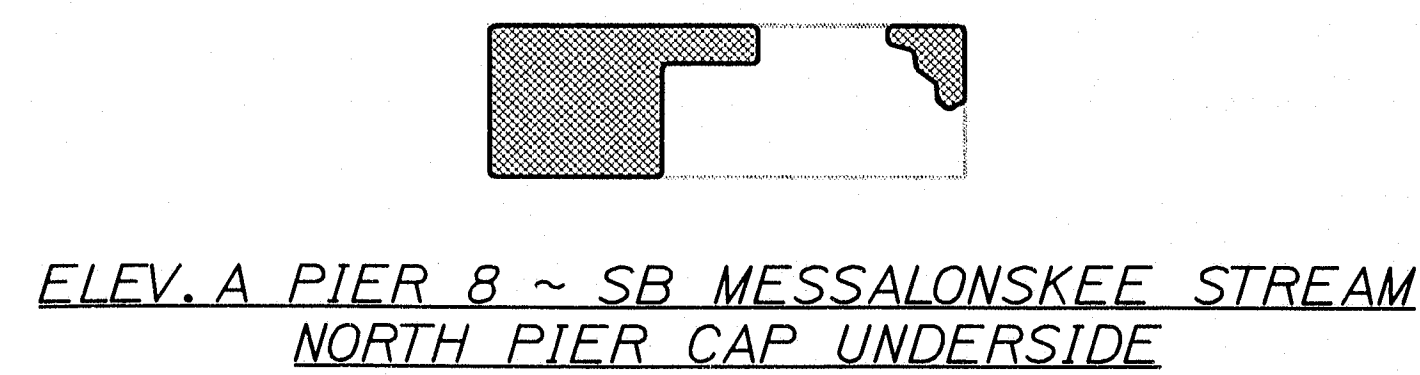
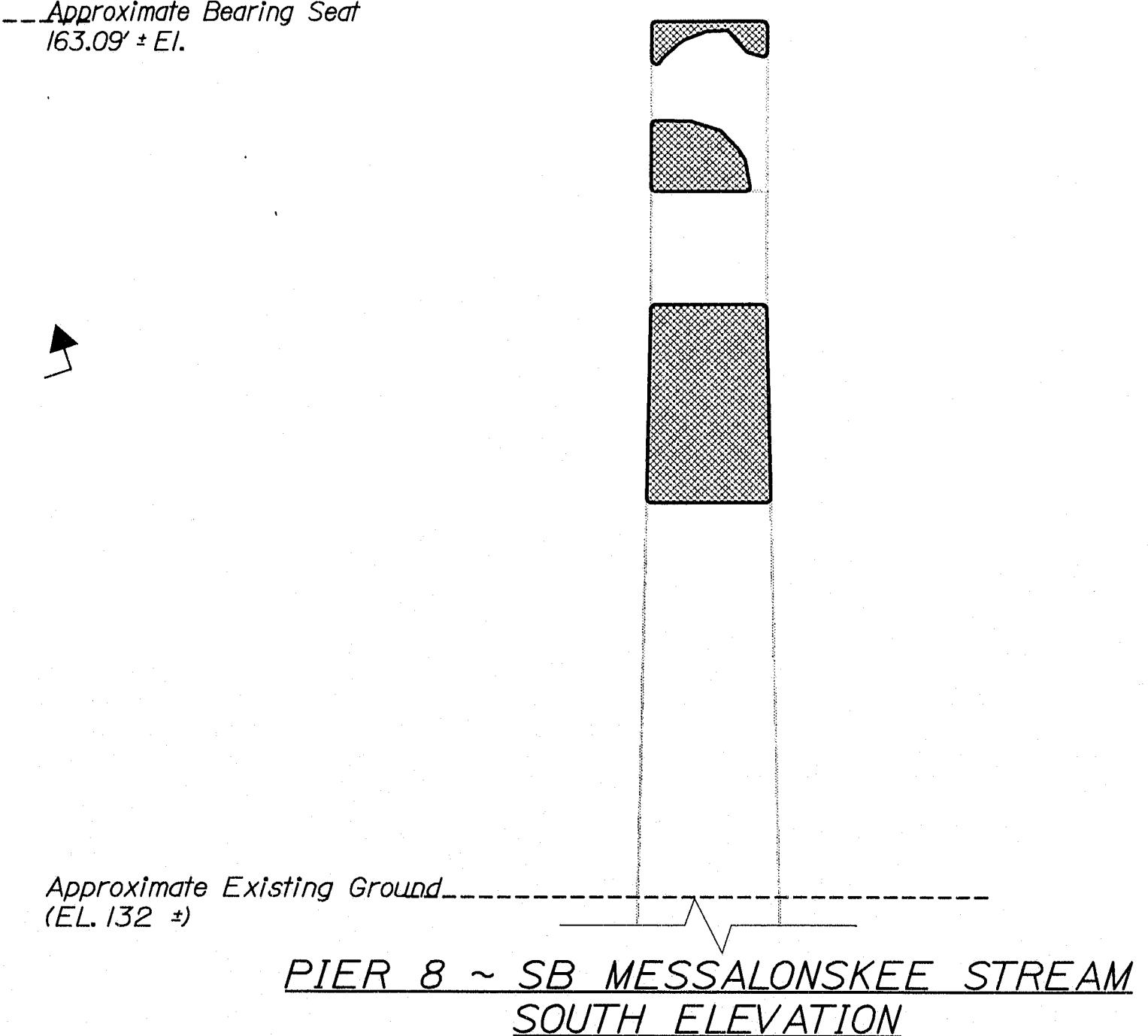
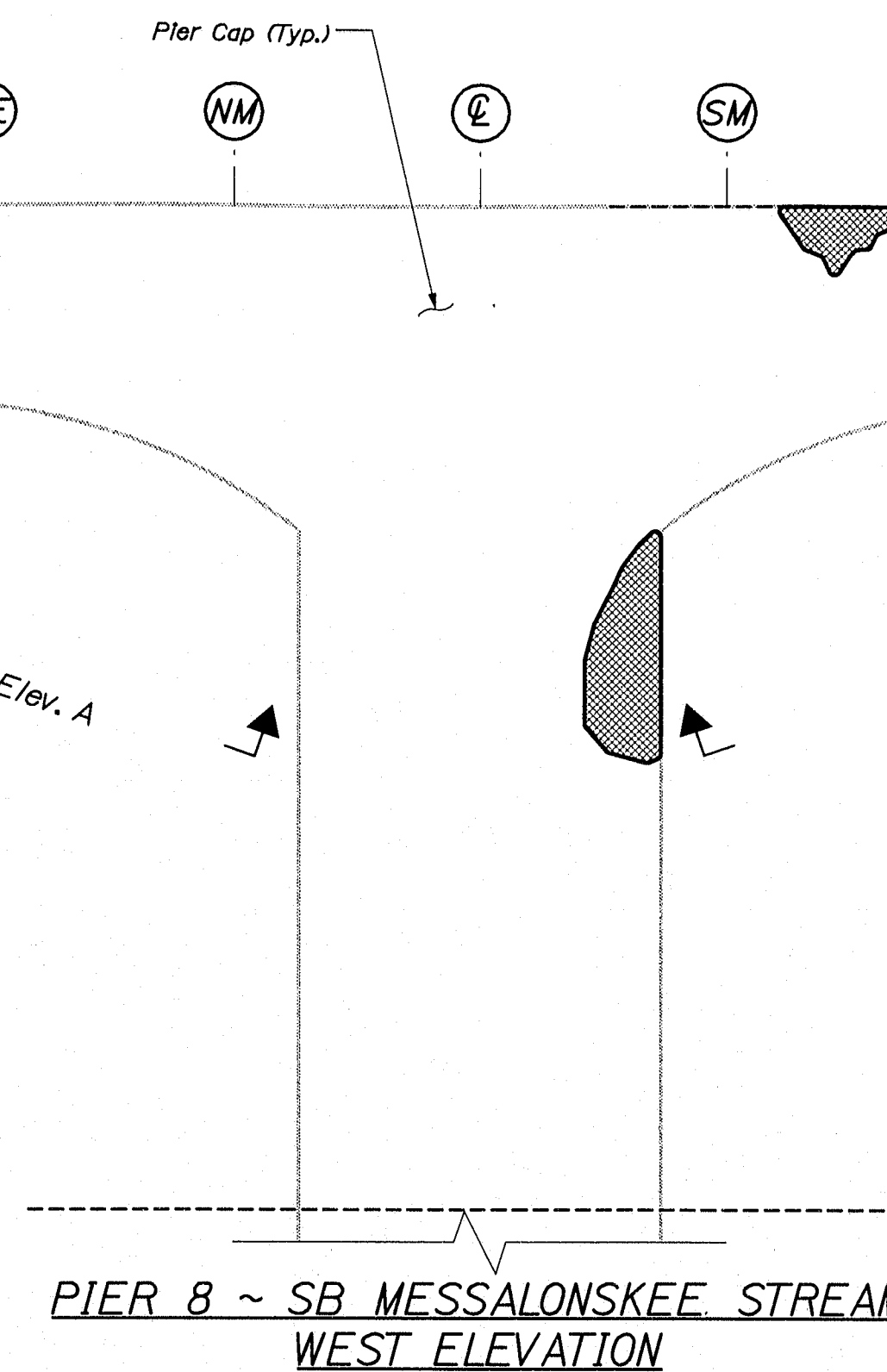
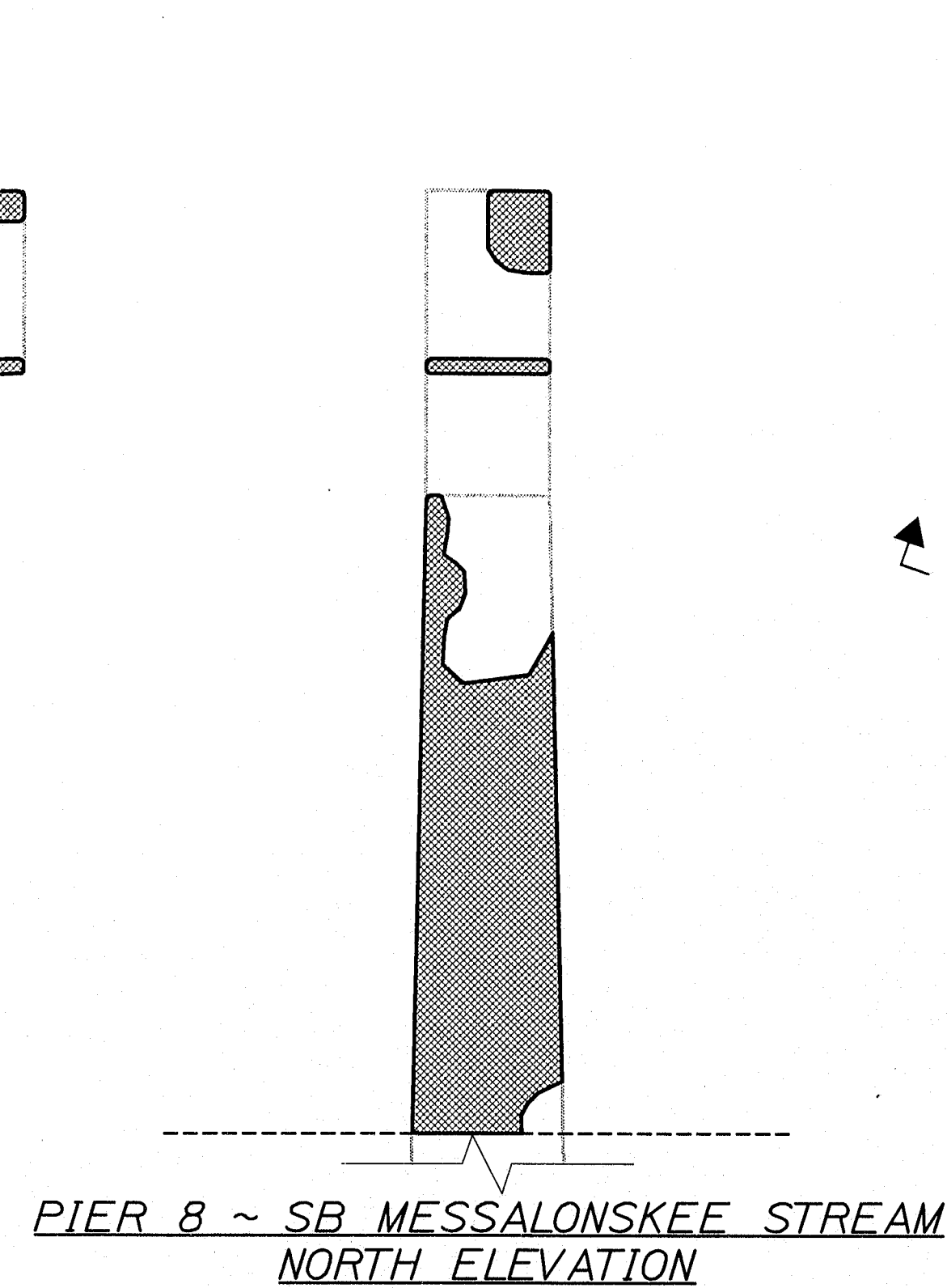
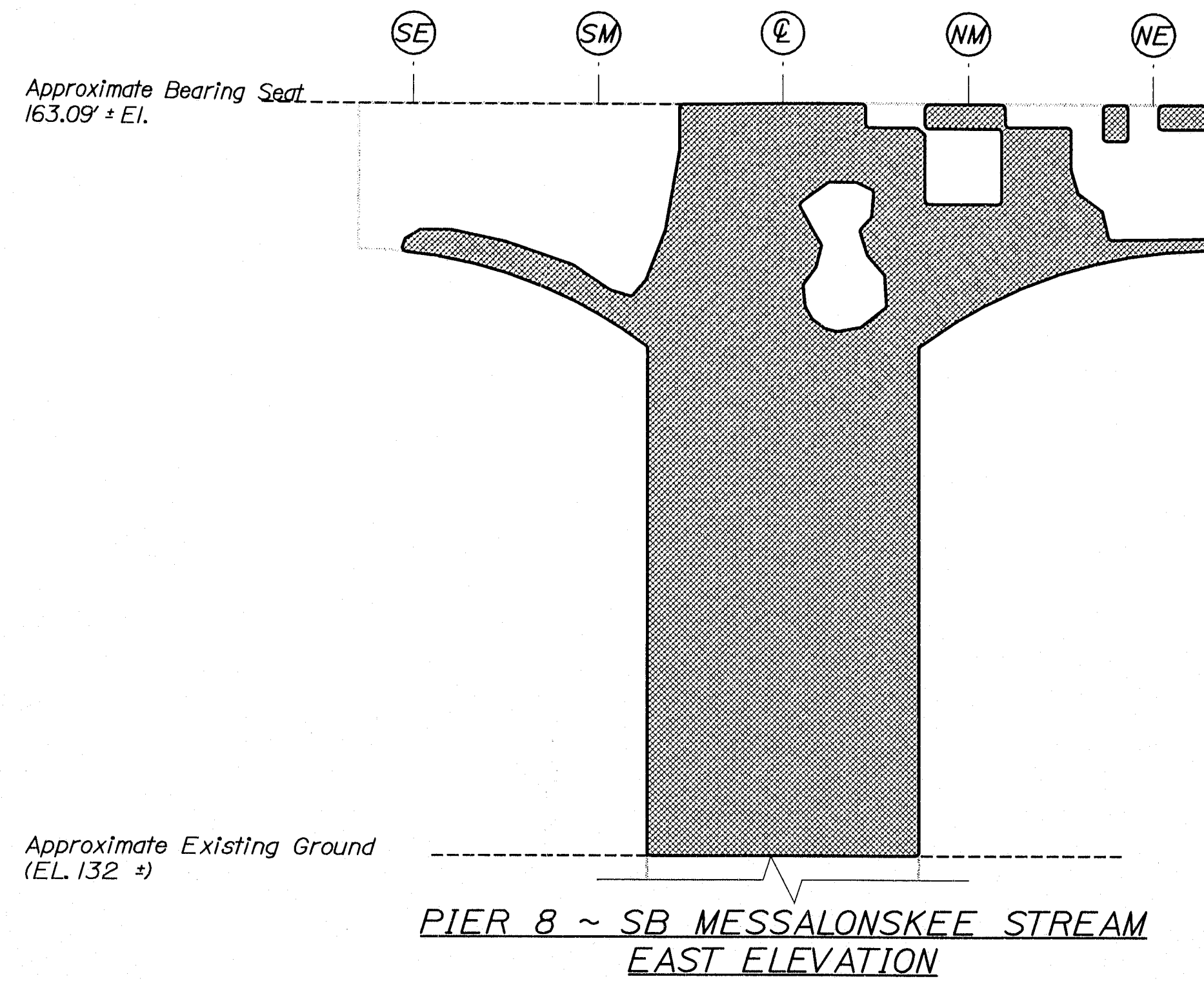
KEY

■ - Estimated areas for Concrete Repair

- This Symbol Marks E of Bearings.

141-456

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	IM-95-7789(100)E	BRIDGE NO. NB-5617, SB-1456	PIN 7789.10	BRIDGE PLANS
I-95 NB & SB MESSALONSKEE STREAM KENNEBEC WATERVILLE				
ESTIMATED REPAIR AREA PIER No. 7 SB MESSALONSKEE STREAM				
SHEET NUMBER 22 OF 37				



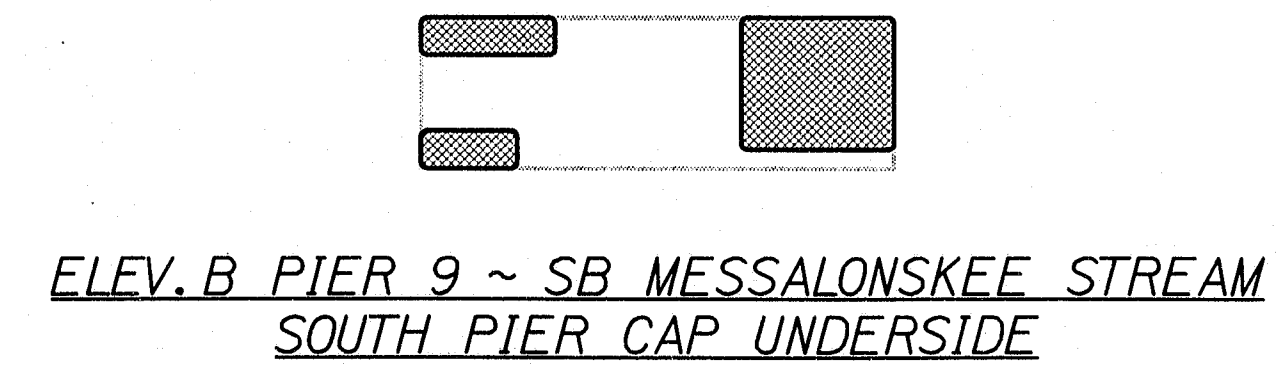
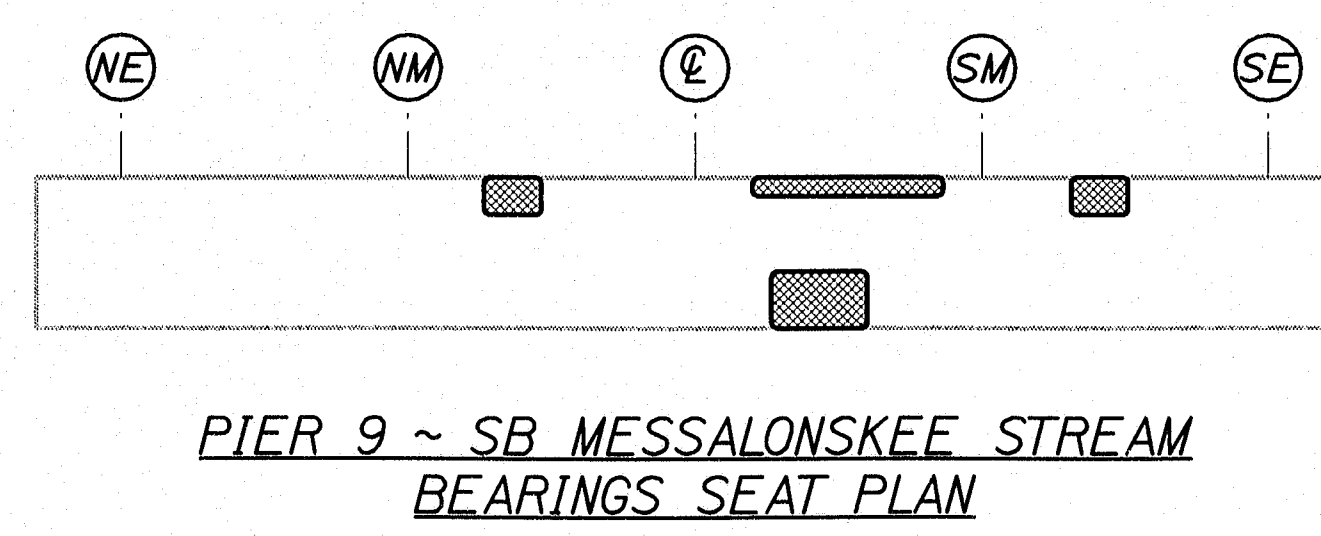
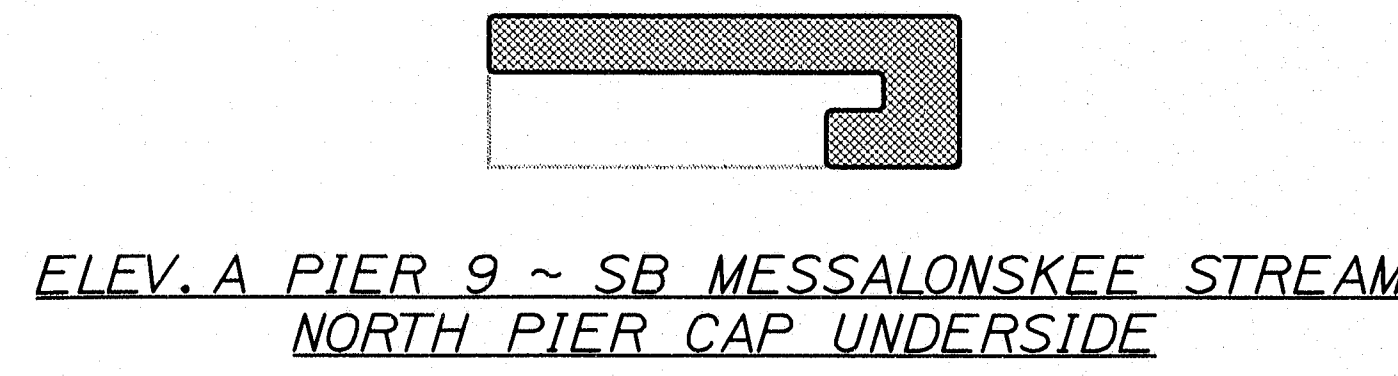
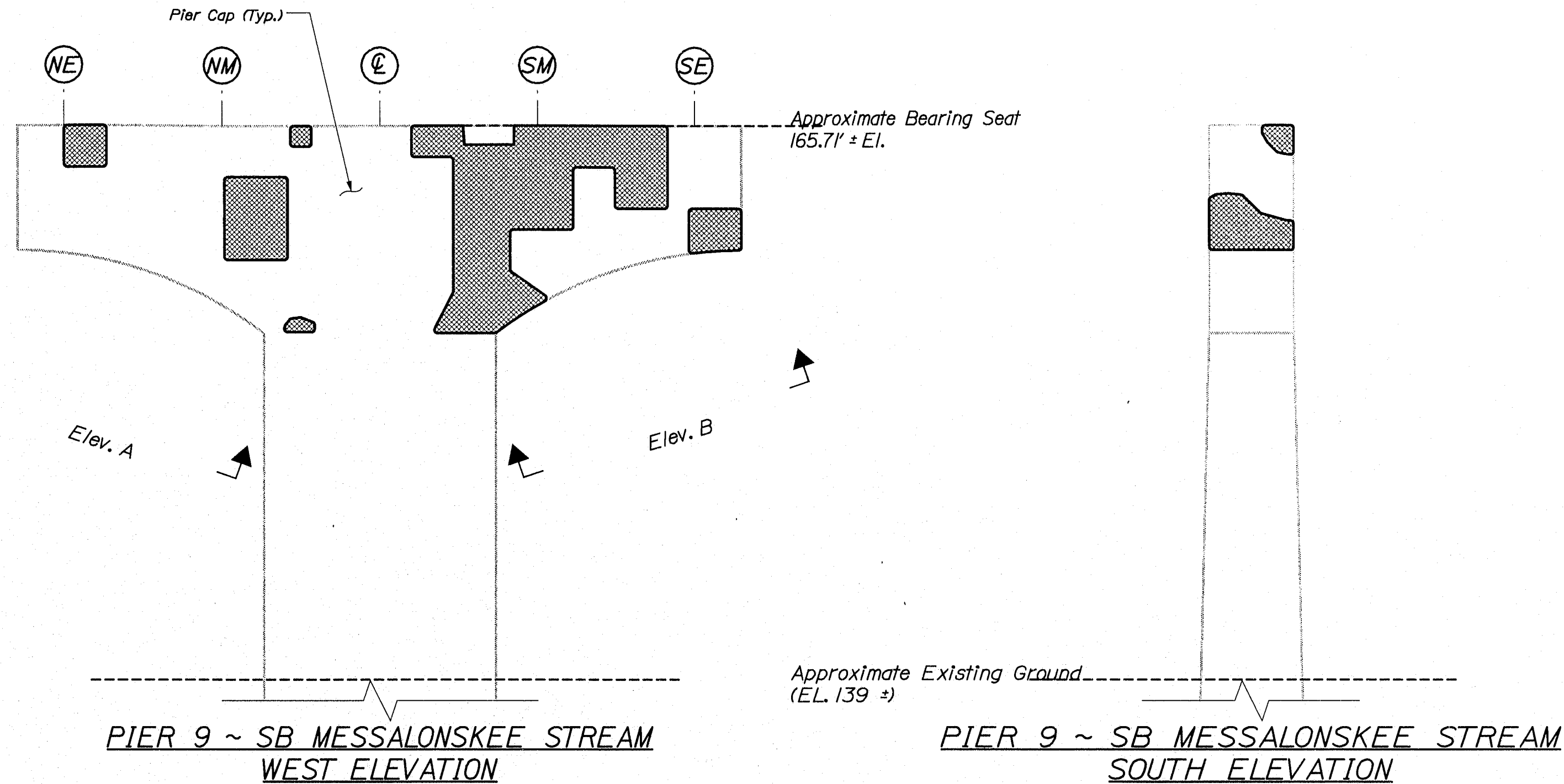
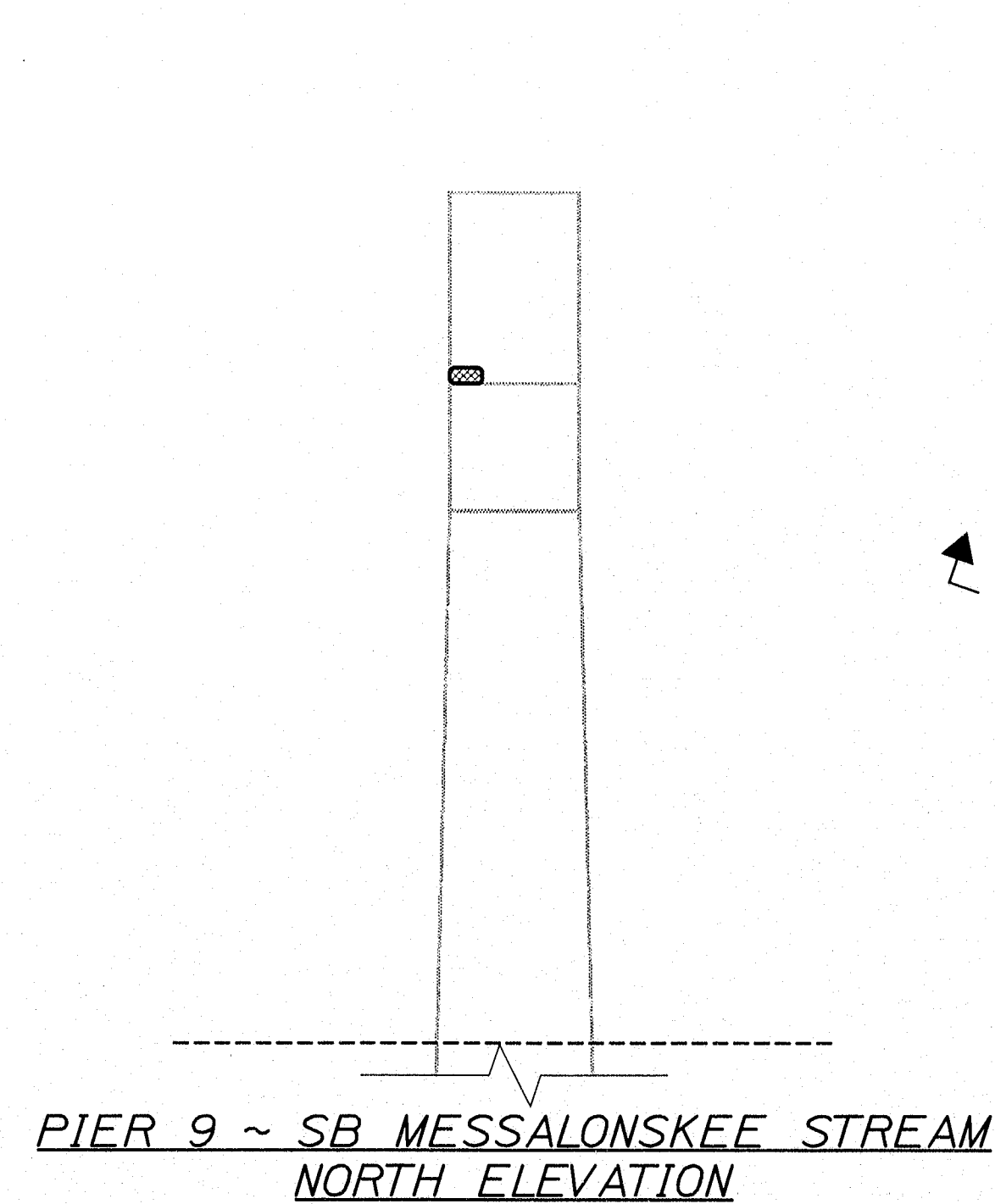
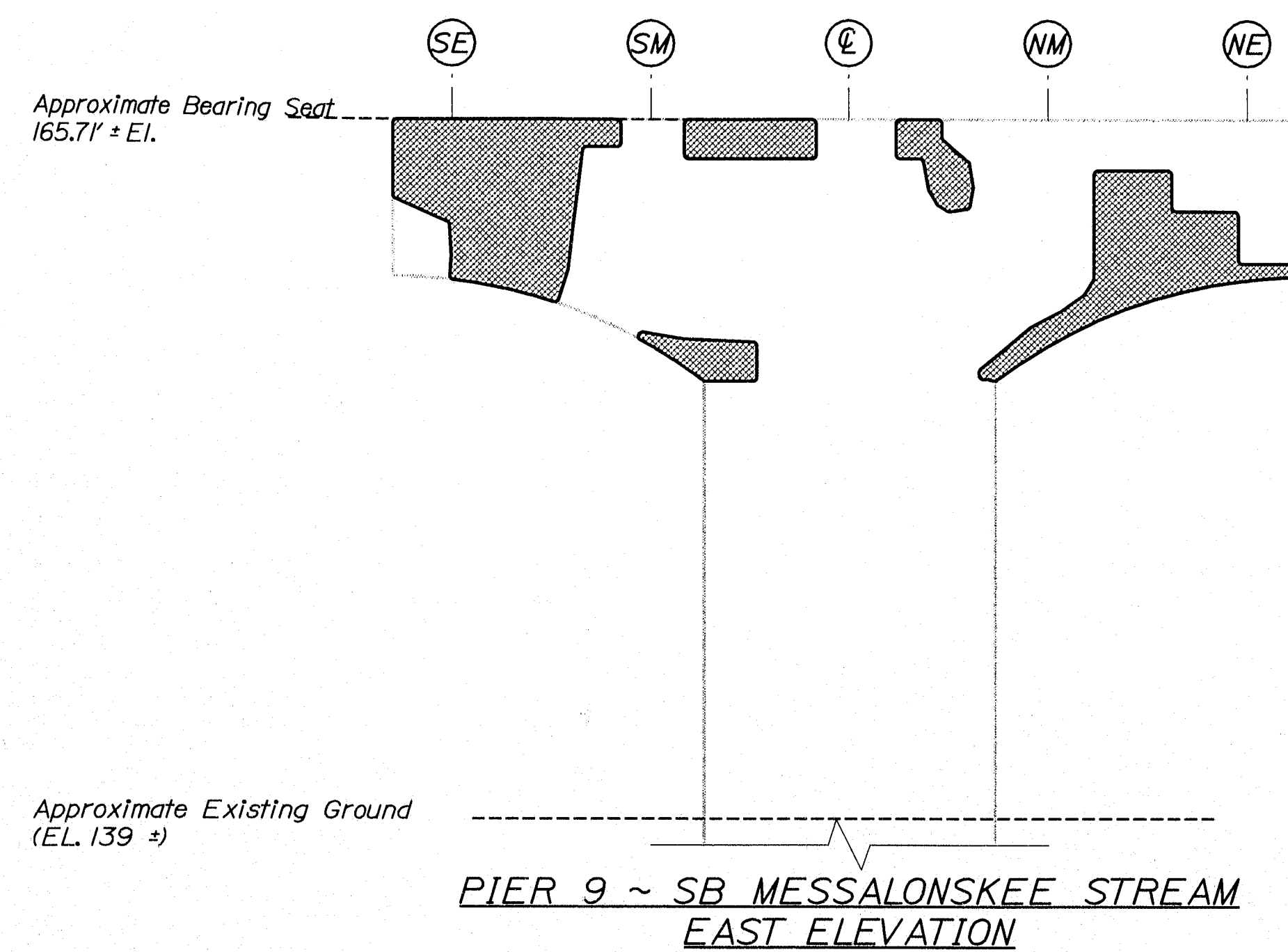
ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	520 ft²
Repair of Upward Facing Surfaces	15 ft²
Repair of Overhead Surfaces	52 ft²
Total	587 ft²

KEY
 - Estimated areas for Concrete Repair
 - This Symbol Marks E of Bearings.

141-457

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
IM-95-7789(100)E		BRIDGE NO. NB-5817, SB-1458	
PIN 7789.10		BRIDGE PLANS	
I-95 NB & SB MESSALONSKEE STREAM		Kennebec	
WATERVILLE		ESTIMATED REPAIR AREA PIER No. 8 SB MESSALONSKEE STREAM	
SHEET NUMBER		23	
OF 37			

Filename: ...024_Pier_9_SB_Messalonskee_Stream.Dwg Division: BRIDGE
Username: david.sullivan Date: 1/17/2006



ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	181 ft²
Repair of Upward Facing Surfaces	9 ft²
Repair of Overhead Surfaces	46 ft²
Total	236 ft²

KEY
■ - Estimated areas for Concrete Repair
- This Symbol Marks C of Bearings.

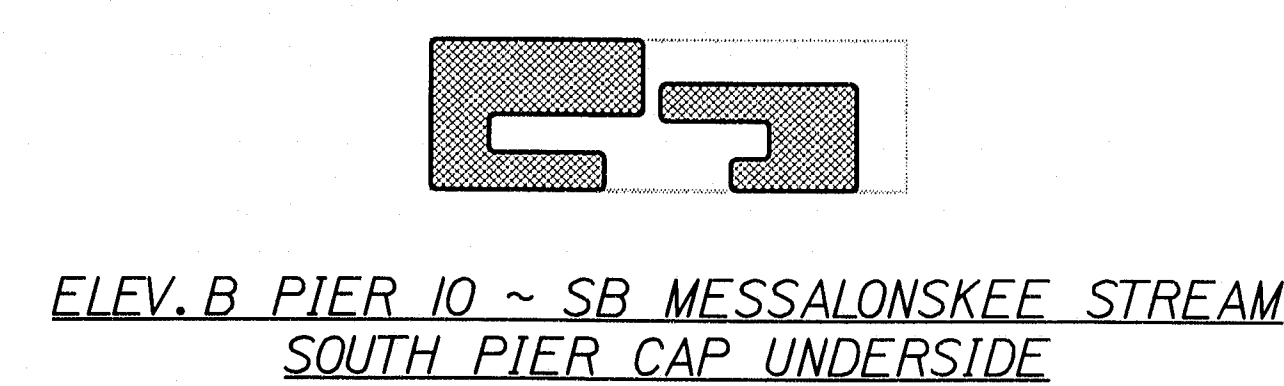
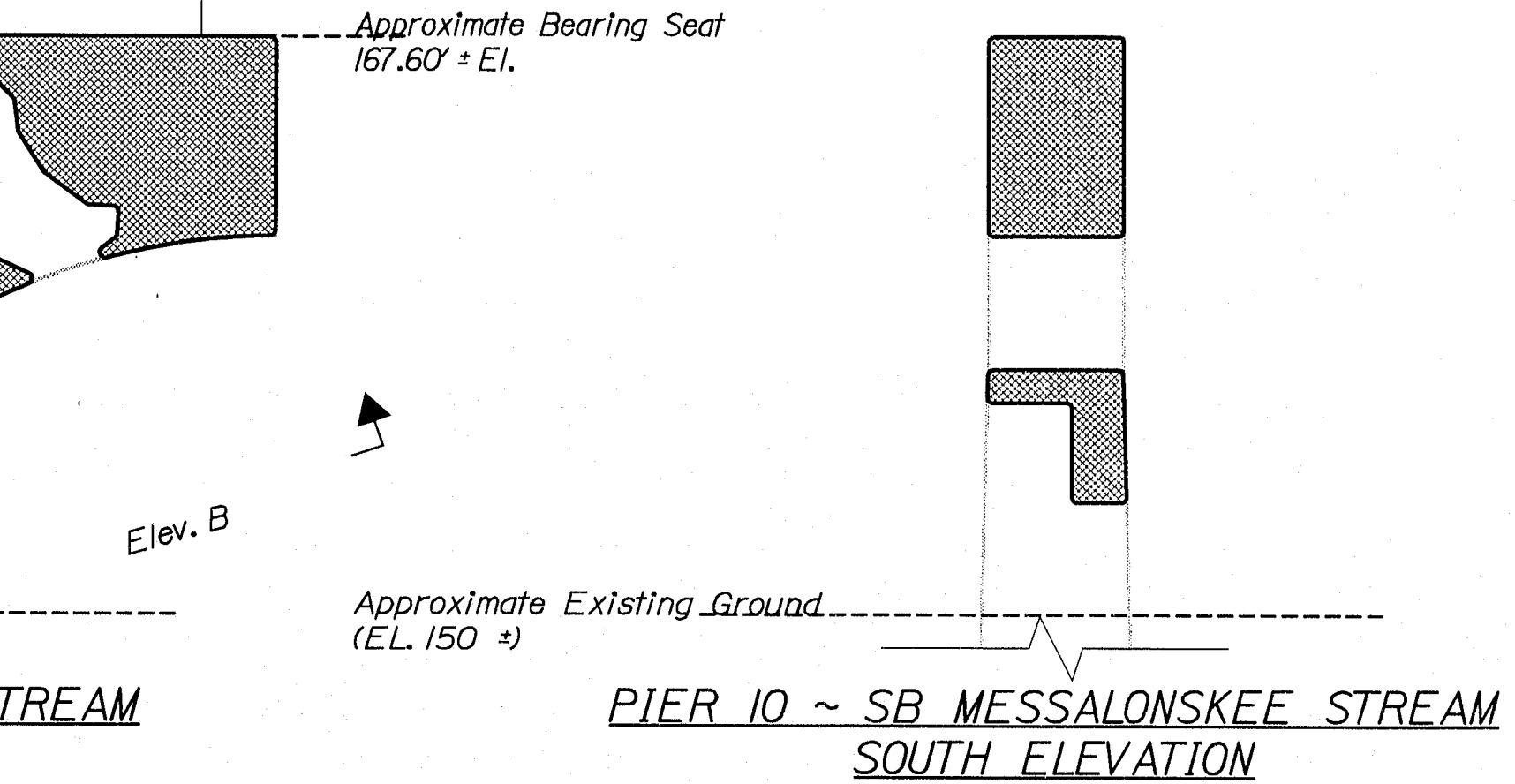
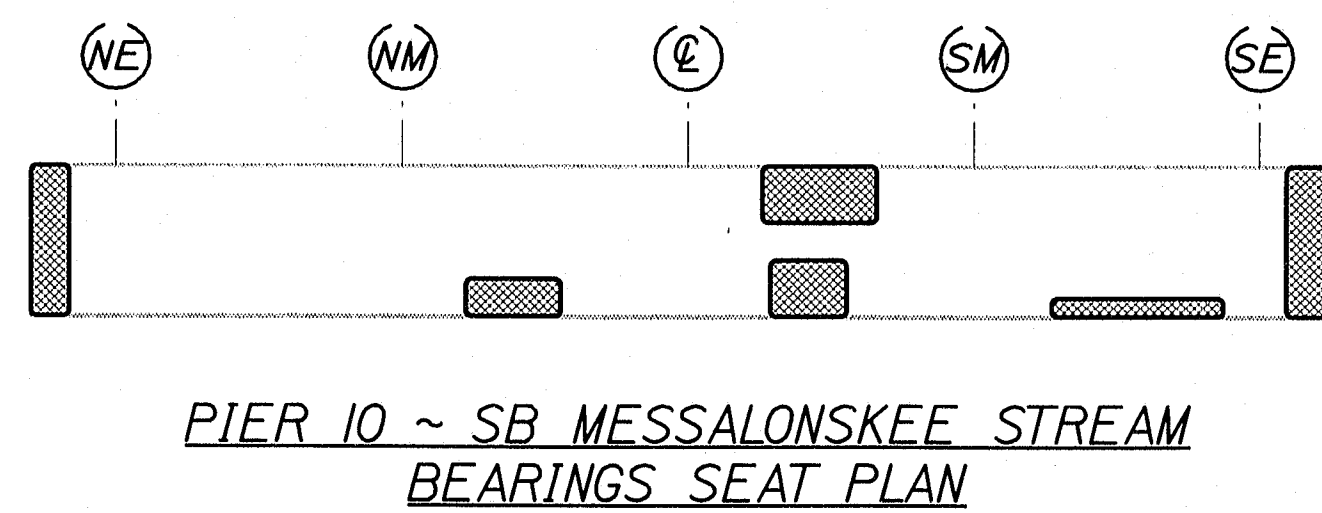
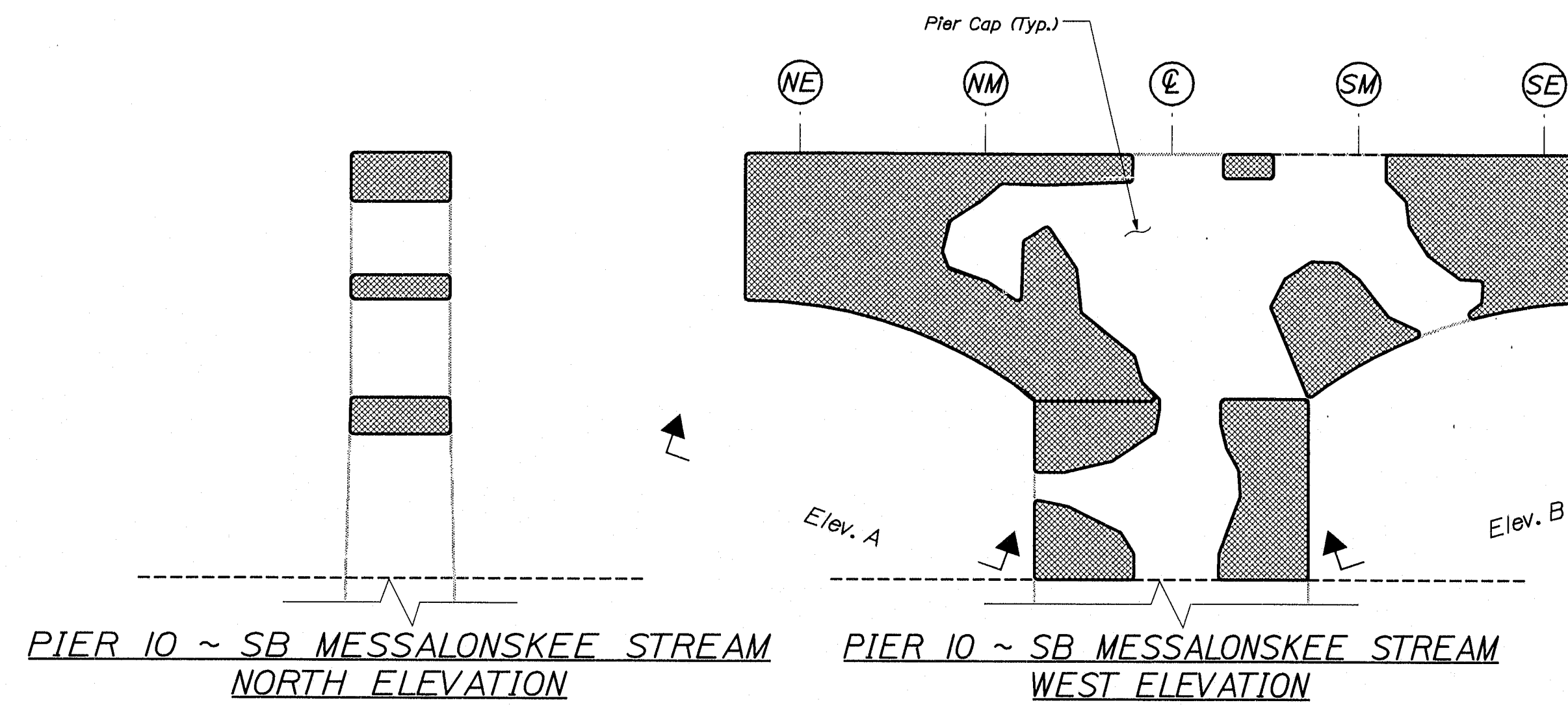
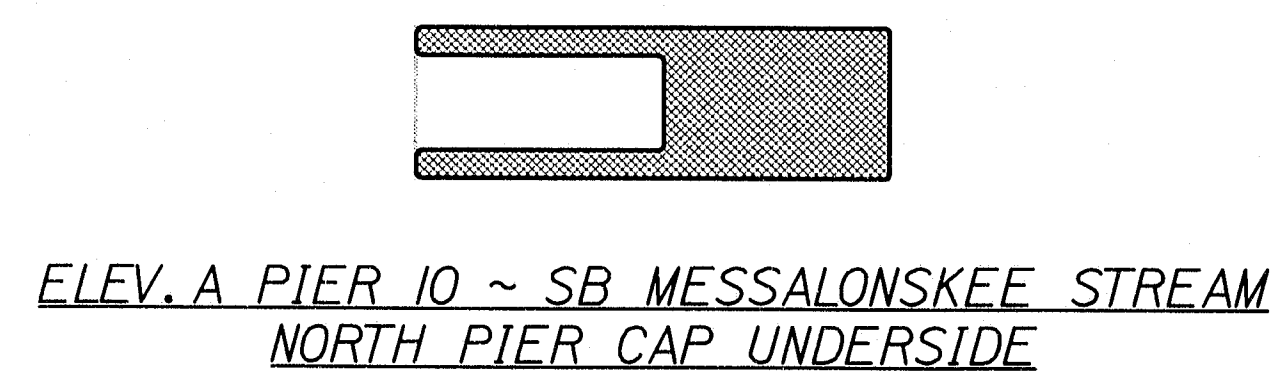
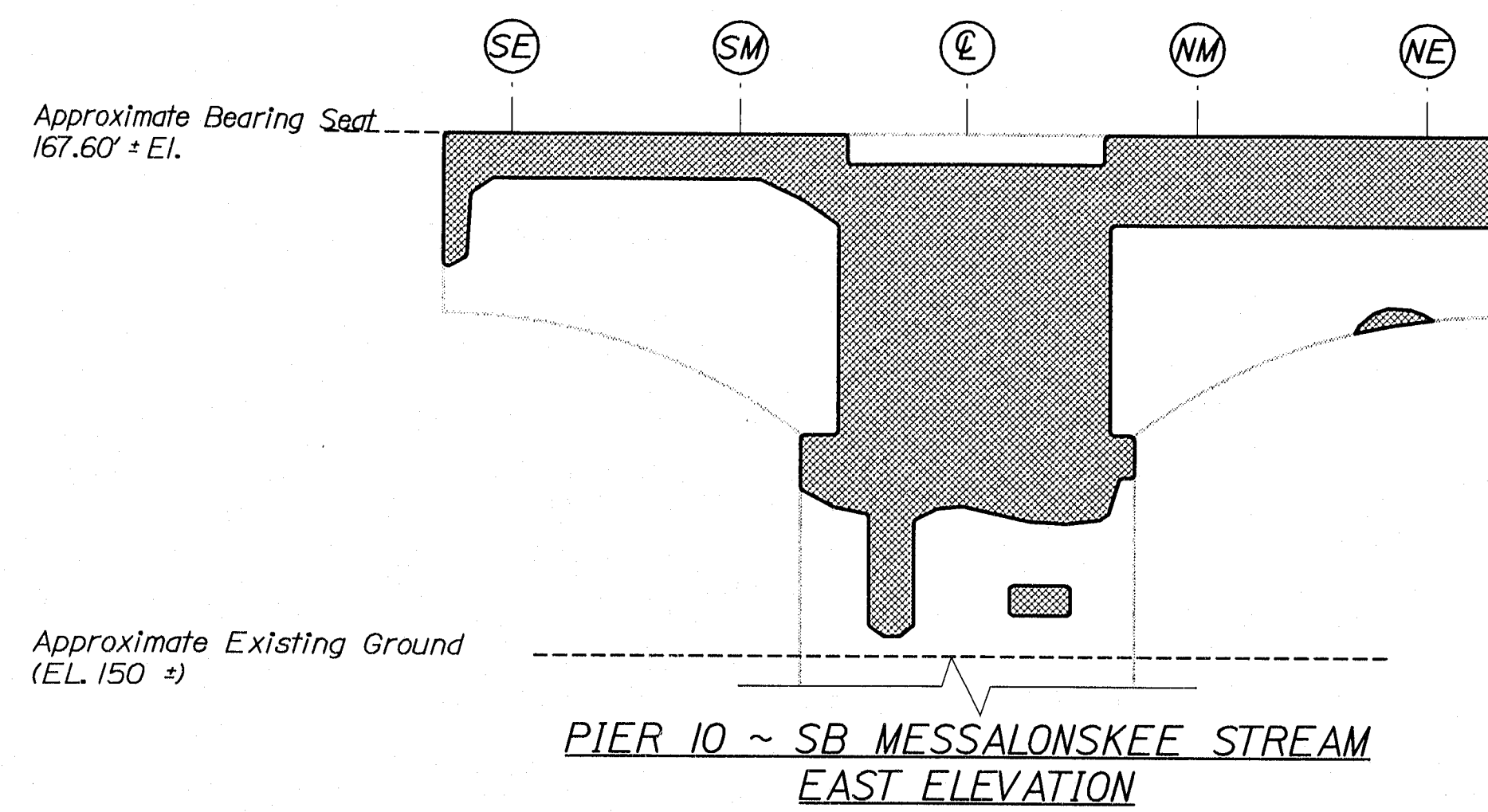
141-458

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
IM-95-7789(100)E		BRIDGE NO. NB 5817, SB 1458	
PIN 7789.10		BRIDGE PLANS	
I-95 NB & SB MESSALONSKEE STREAM		KENNEBEC	
WATERVILLE		ESTIMATED REPAIR AREA PIER No. 9 SB MESSALONSKEE STREAM	
SHEET NUMBER		24	
		OF 37	

Filename: ...025_Pier_10_SB_Messalonskee_Stream.dwg Date: 1/17/2006

Username: david.sullivan

Bridge: I-95 NB & SB MESSALONSKEE STREAM KENNEBEC WATERVILLE

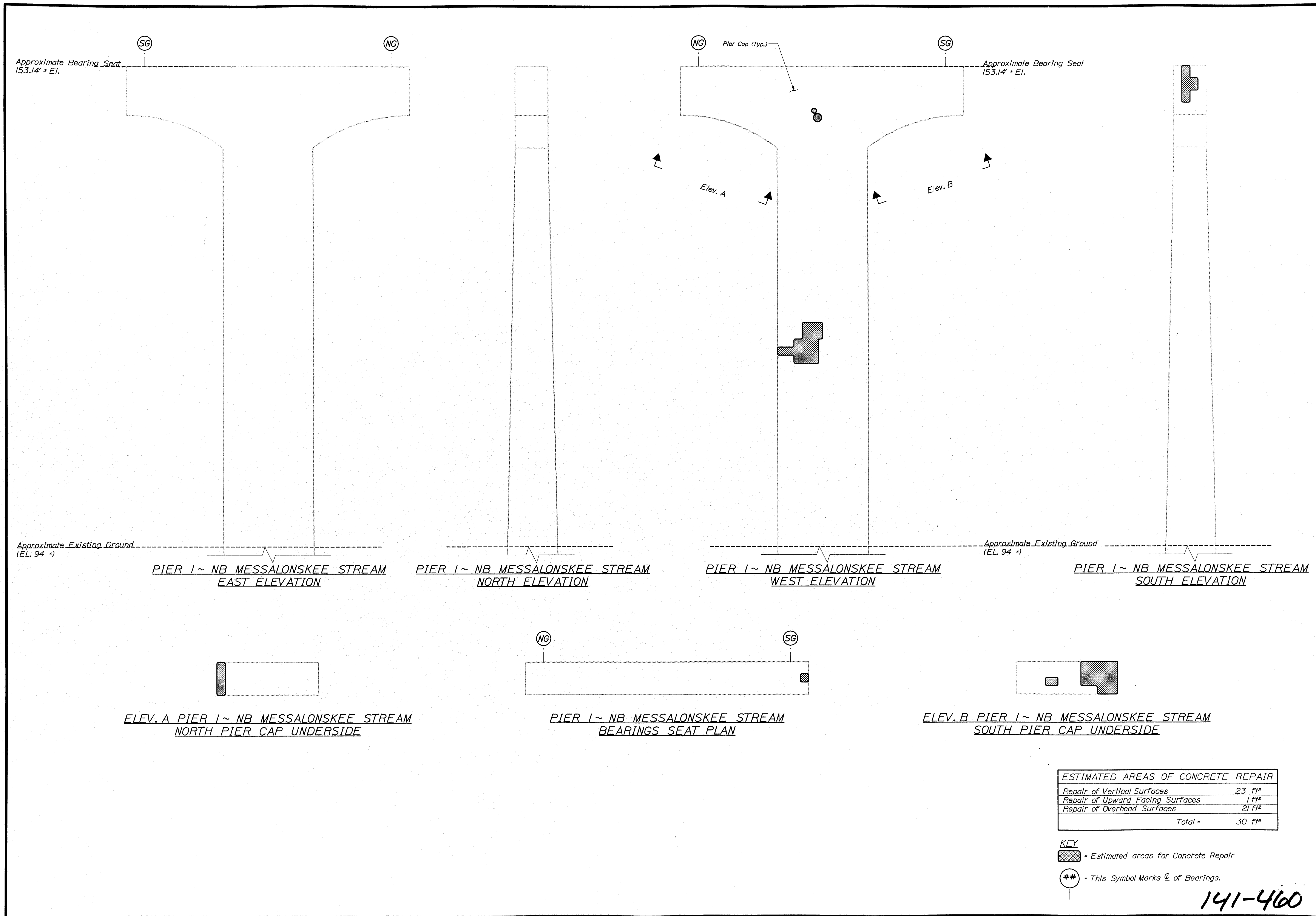


ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	437 ft²
Repair of Upward Facing Surfaces	22 ft²
Repair of Overhead Surfaces	60 ft²
Total =	519 ft²

KEY
[Hatched Box] = Estimated areas for Concrete Repair
[Circle with #] = This Symbol Marks C of Bearings.

141-459

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		IM-95-7789(100)E	
I-95 NB & SB MESSALONSKEE STREAM KENNEBEC WATERVILLE		ESTIMATED REPAIR AREA PIER No. 10 SB MESSALONSKEE STREAM	
SHEET NUMBER		25	
OF 37		BRIDGE NO. NB-8817, SB-1458	
DATE		PIN 7789.10	
BY		BRIDGE PLANS	
WLF		SIGNATURE	
DESIGN-REVIEWED		P.E. NUMBER	
CHECKED-REVIEWED		DATE	
DESIGN-REVIEWED		FIELD CHANGES	
DESIGN-REVIEWED		REVISIONS 1	
DESIGN-REVIEWED		REVISIONS 2	
DESIGN-REVIEWED		REVISIONS 3	
DESIGN-REVIEWED		REVISIONS 4	
DESIGN-REVIEWED		REVISIONS 5	
DESIGN-REVIEWED		REVISIONS 6	
DESIGN-REVIEWED		REVISIONS 7	
DESIGN-REVIEWED		REVISIONS 8	
DESIGN-REVIEWED		REVISIONS 9	
DESIGN-REVIEWED		REVISIONS 10	

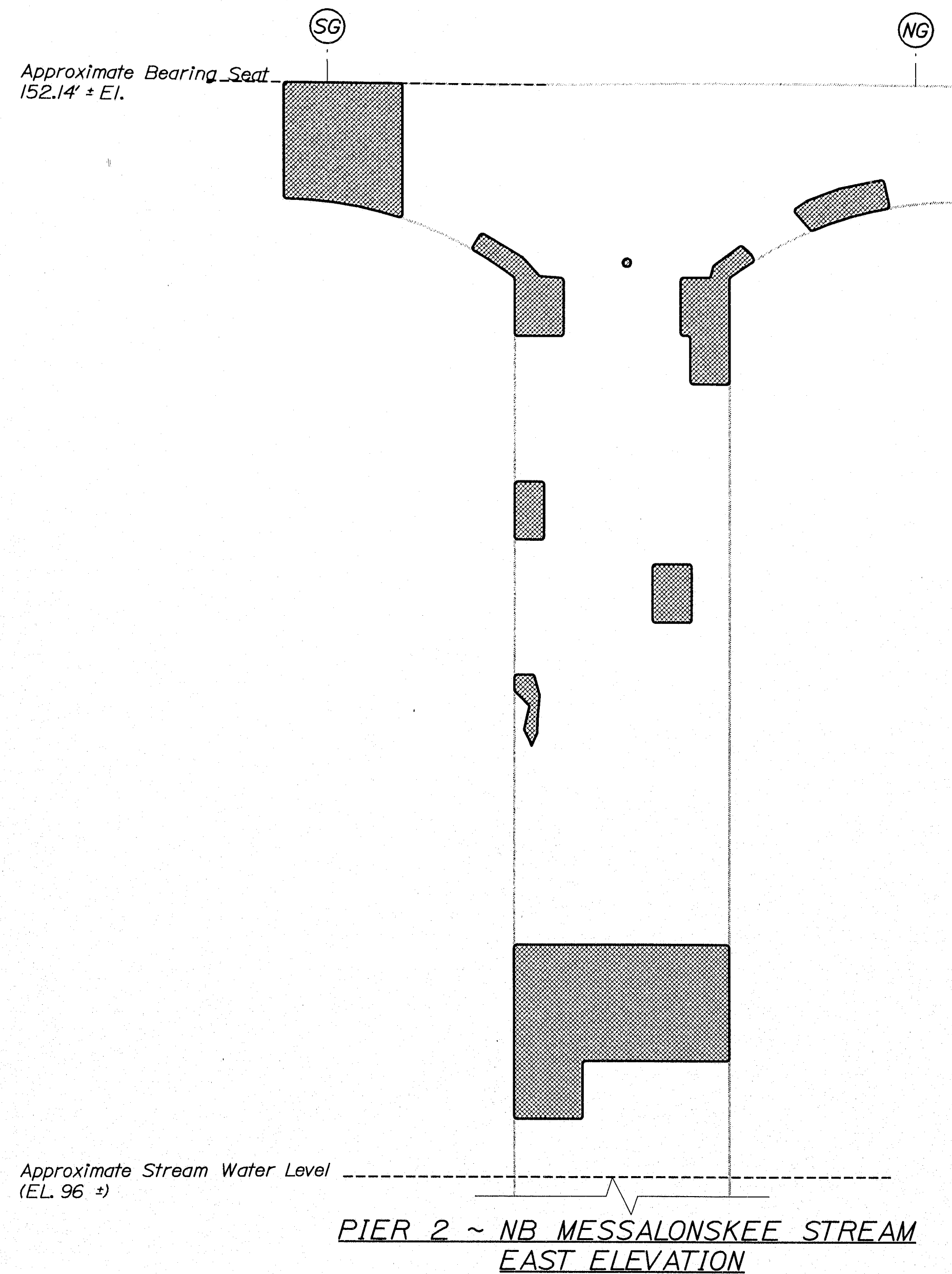


STATE OF MAINE DEPARTMENT OF TRANSPORTATION		IM-95-7789(100)E	
BRIDGE NO. NB-5817, SB-1458		PIN 7789.10	
BRIDGE PLANS			

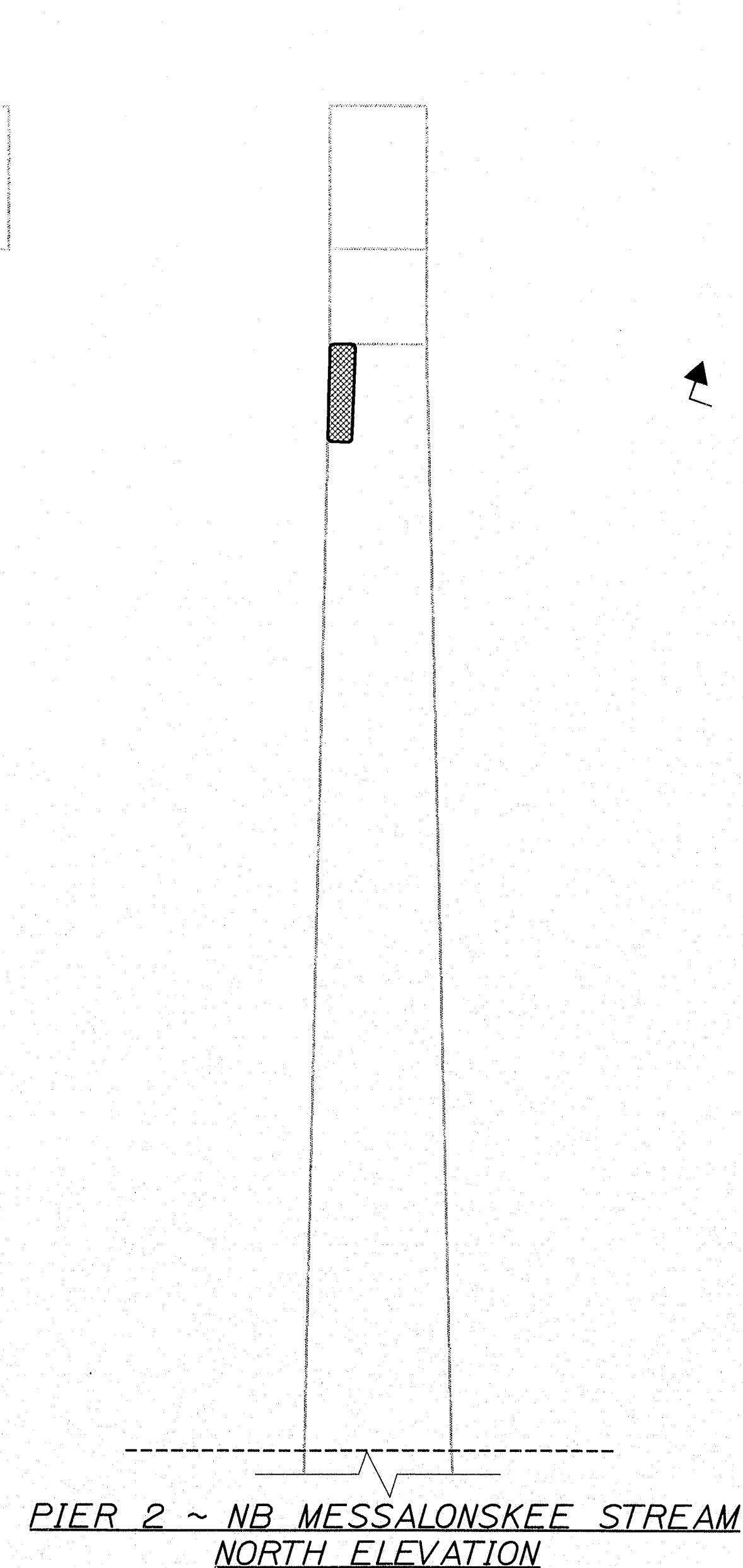
PROJ. MANAGER	W.F.	BY	DATE
DESIGN-DETAILED	NDB	DMS	8/29/05
CHECKED-REVIEWED	ETC	NDB	8/29/05
DESIGN-DETAILED2			
DESIGN-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

I-95 NB & SB MESSALONSKEE STREAM WATERVILLE		KENNEBEC	
ESTIMATED REPAIR AREA PIER No. 1 NB MESSALONSKEE STREAM			

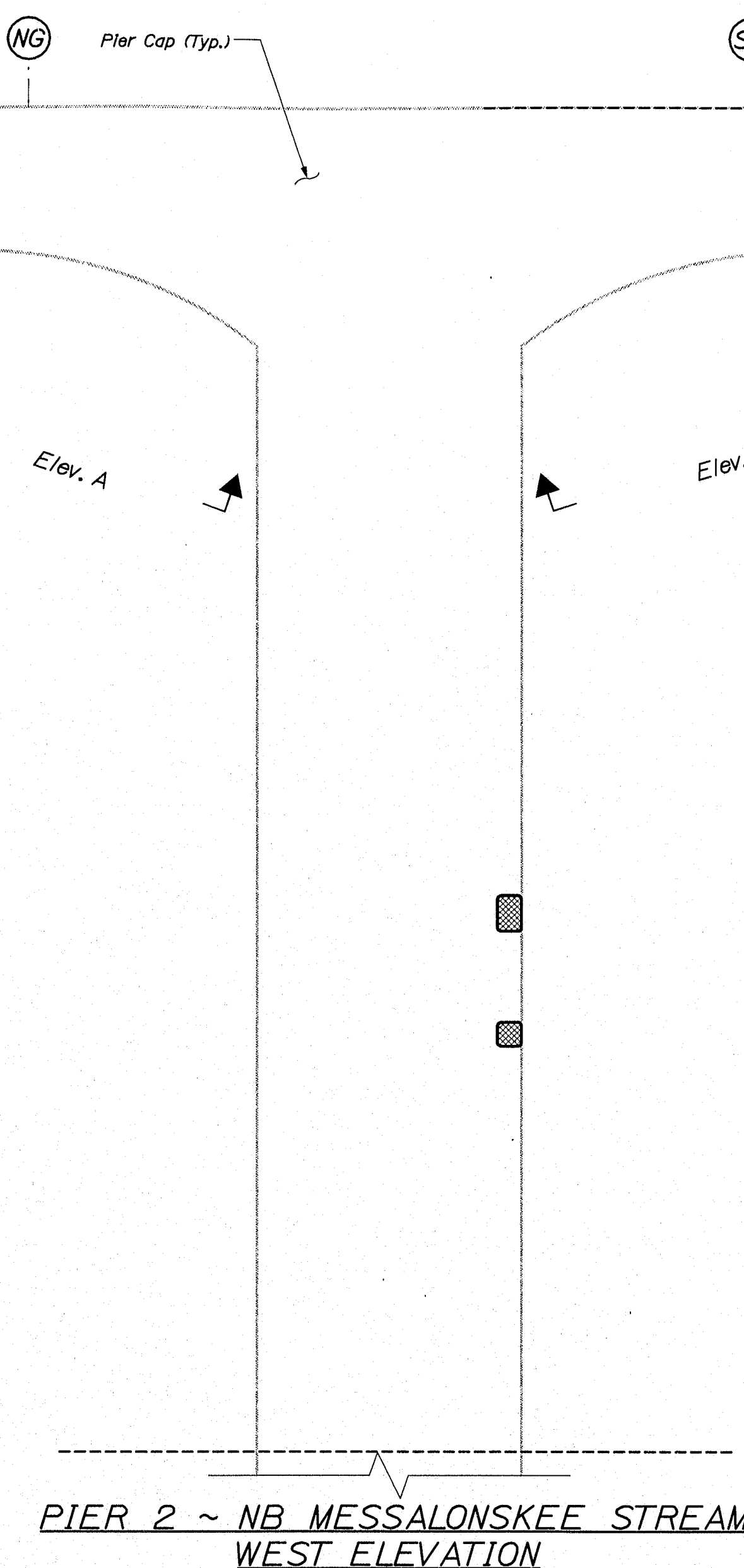
SHEET NUMBER	
26	
OF 37	



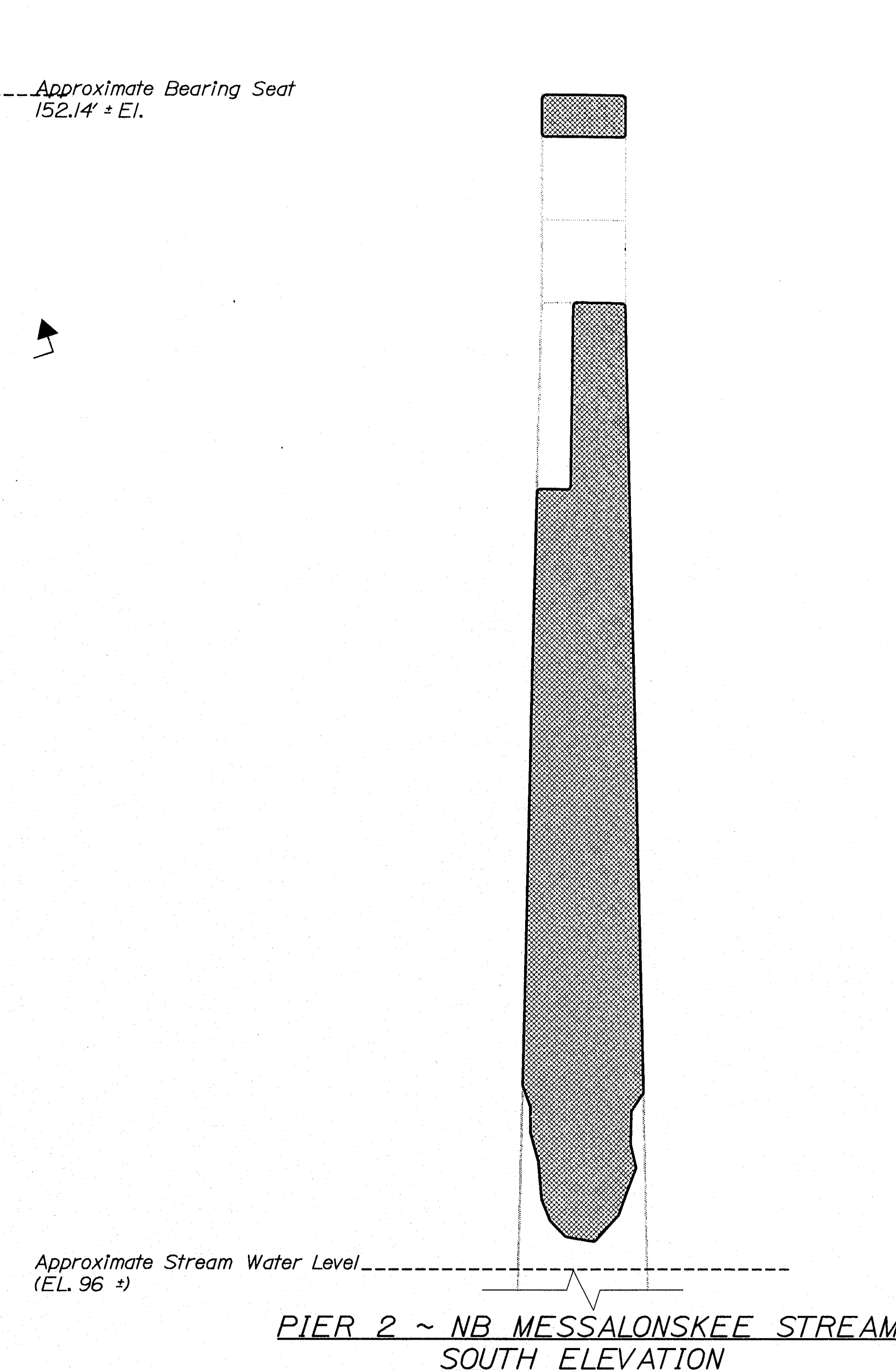
ELEV. A PIER 2 ~ NB MESSALONSKEE STREAM
NORTH PIER CAP UNDERSIDE



PIER 2 ~ NB MESSALONSKEE STREAM
BEARINGS SEAT PLAN



ELEV. B PIER 2 ~ NB MESSALONSKEE STREAM
SOUTH PIER CAP UNDERSIDE

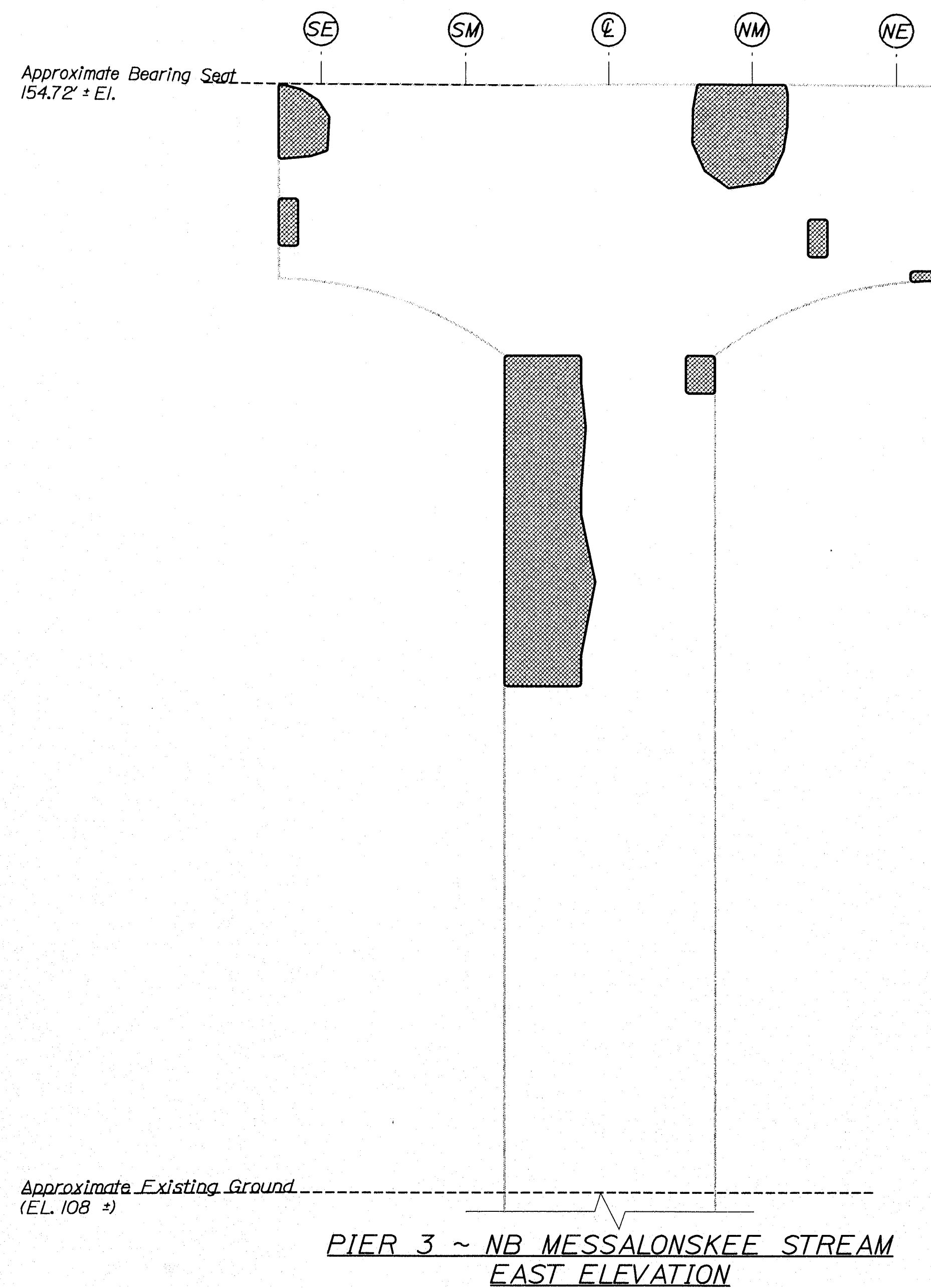


ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	376 ft²
Repair of Upward Facing Surfaces	1 ft²
Repair of Overhead Surfaces	71 ft²
Total =	448 ft²

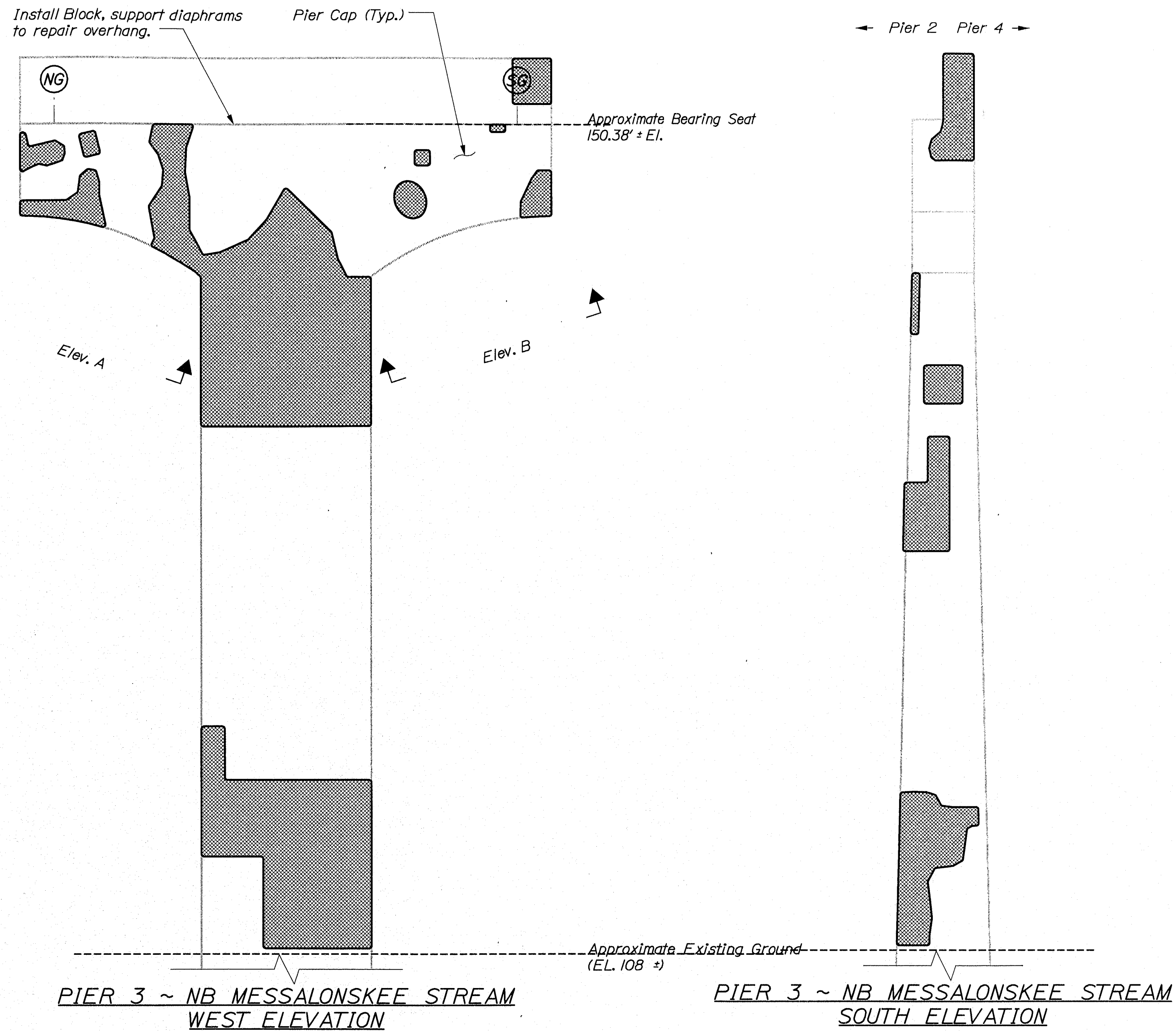
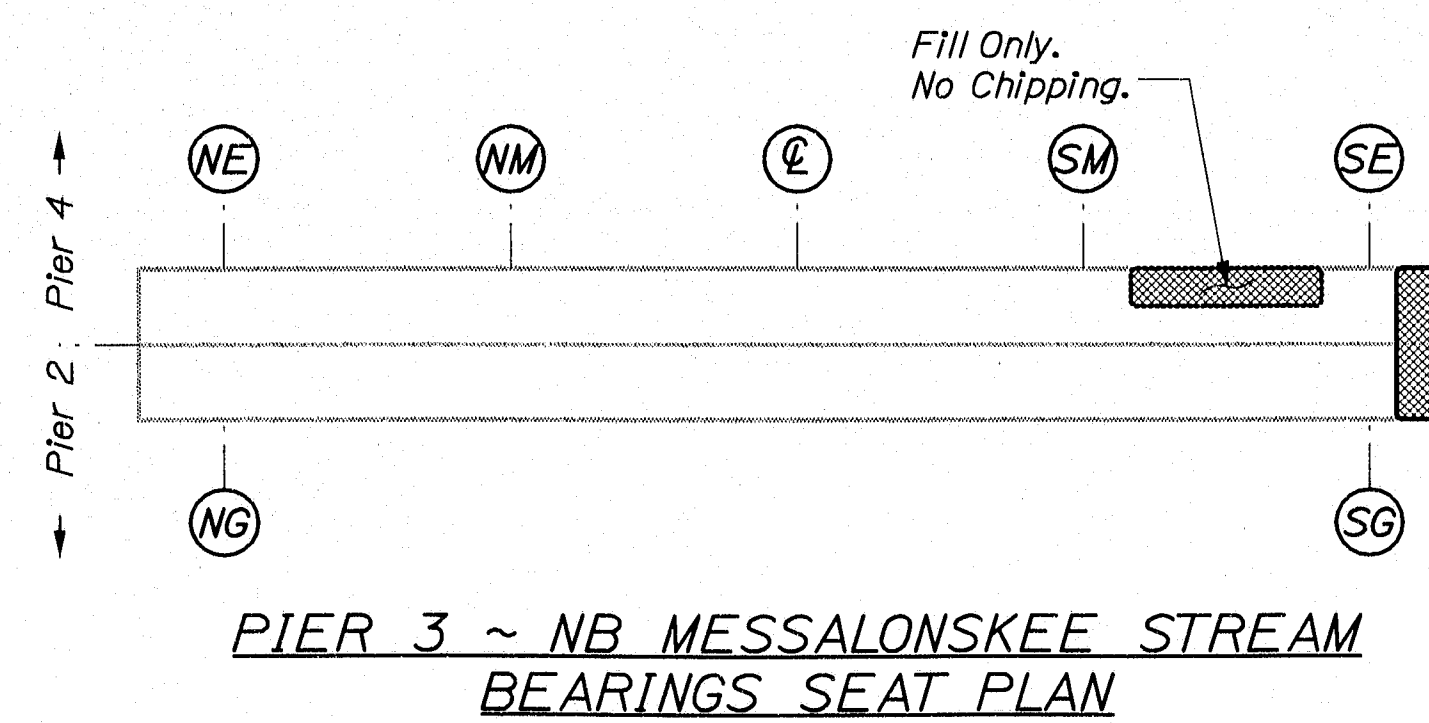
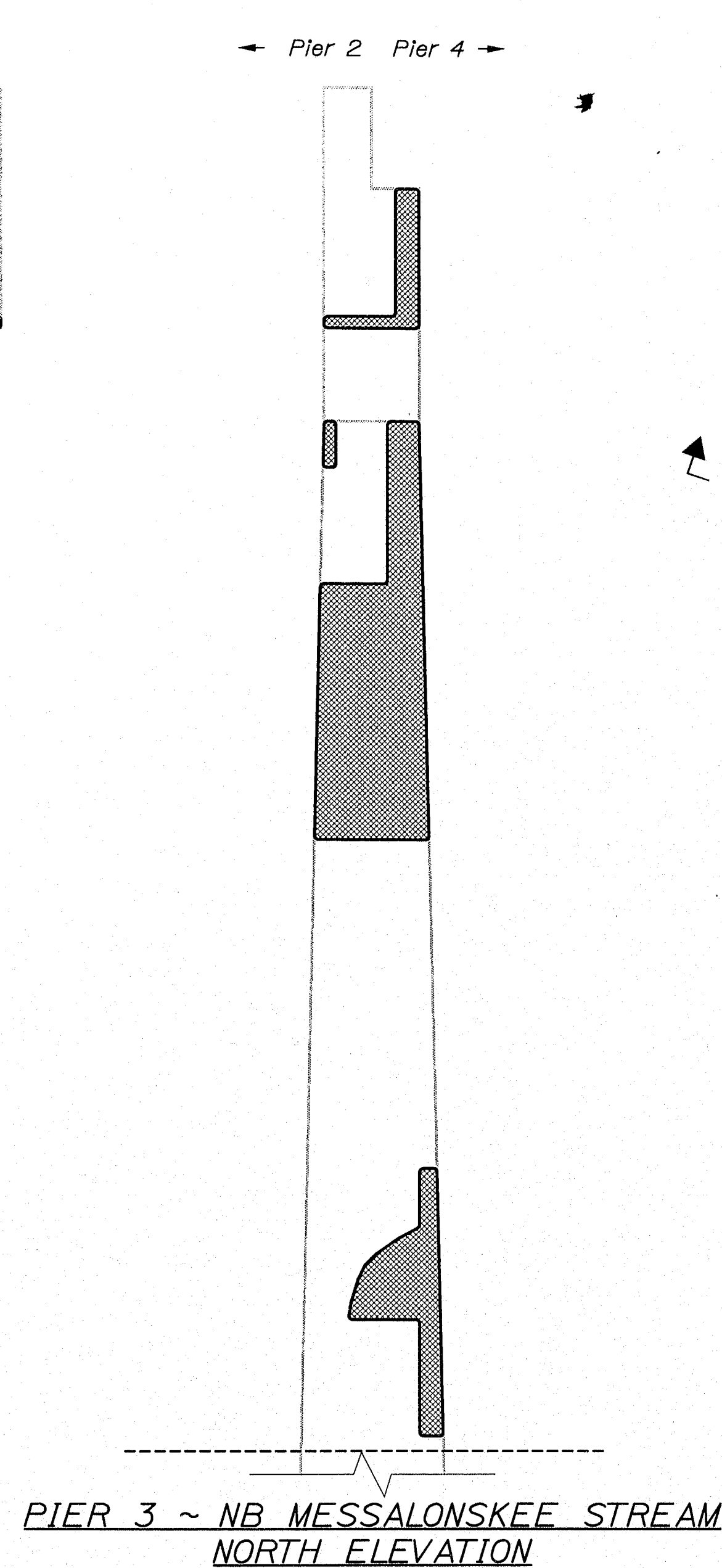
- KEY
- Estimated areas for Concrete Repair
 - This Symbol Marks C of Bearings.

141-461

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
IM-95-7789(100)E		BRIDGE NO. NB-5817, SB-1458	
PIN 7789.10		BRIDGE PLANS	
DATE	BY	WLF	DESIGN/REVIEW/ETC
8/29/05	DMS	NIB	CHECKED/REVIEWED
8/29/05	NIB	NIB	DESIGN/REVIEW/ETC
SIGNATURE	P.E. NUMBER	DATE	FIELD CHANGES
I-95 NB & SB MESSALONSKEE STREAM		KENNEBEC	
WATERVILLE		ESTIMATED REPAIR AREA PIER	
		No. 2 NB MESSALONSKEE STREAM	
SHEET NUMBER		27	
		OF 37	



ELEV. A PIER 3 ~ NB MESSALONSKEE STREAM
NORTH PIER CAP UNDERSIDE



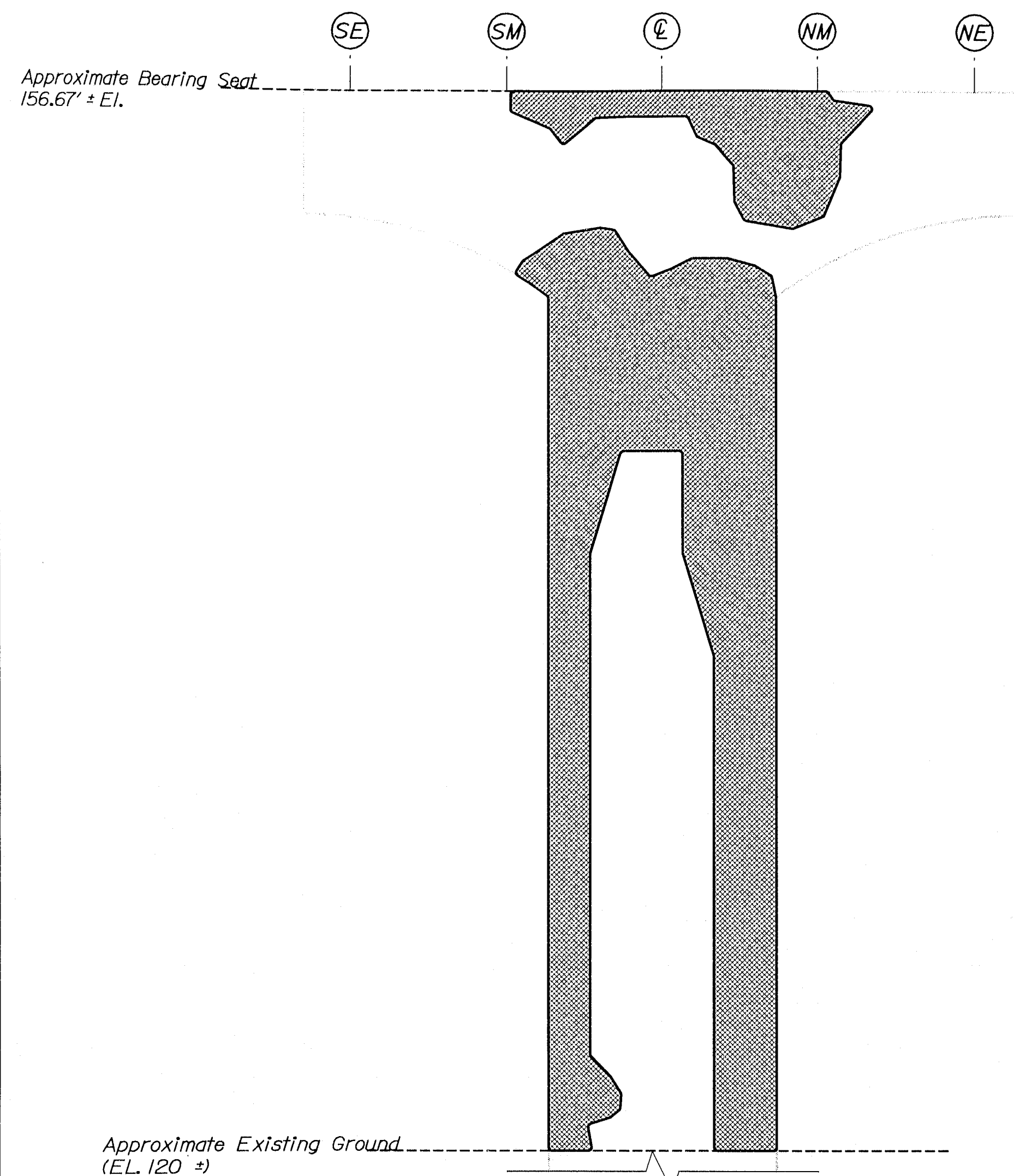
ELEV. B PIER 3 ~ NB MESSALONSKEE STREAM
SOUTH PIER CAP UNDERSIDE

ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	565 ft²
Repair of Upward Facing Surfaces	11 ft²
Repair of Overhead Surfaces	82 ft²
Total =	658 ft²

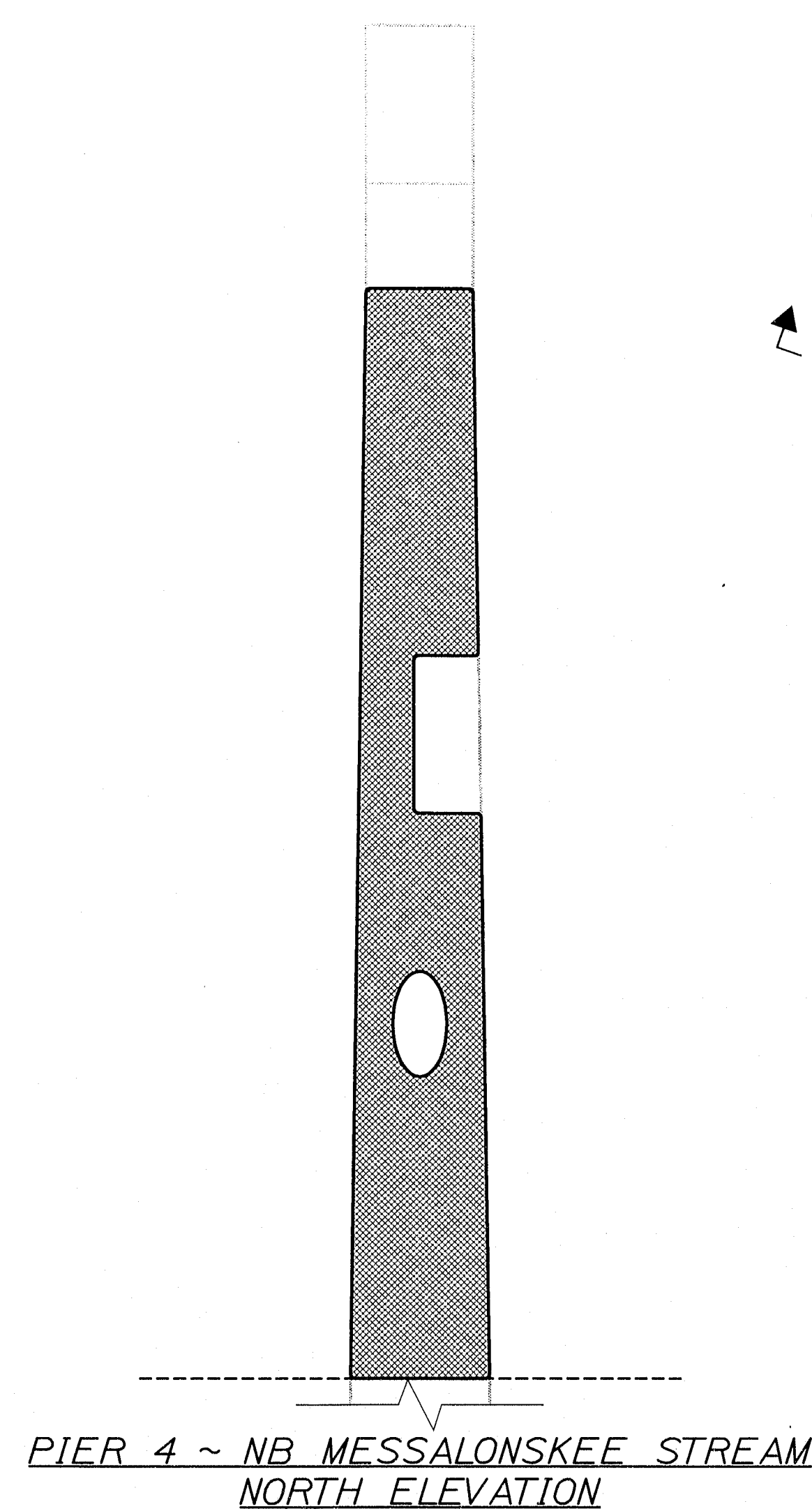
KEY
■ = Estimated areas for Concrete Repair
⊙ = This Symbol Marks ⊙ of Bearings.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-95-7789(100)E	BRIDGE NO. NB-5817, SB-1458	PIN 7789.10	BRIDGE PLANS
I-95 NB & SB MESSALONSKEE STREAM WATERVILLE KENNEBEC ESTIMATED REPAIR AREA PIER No. 3 NB MESSALONSKEE STREAM			
SHEET NUMBER 28 OF 37			

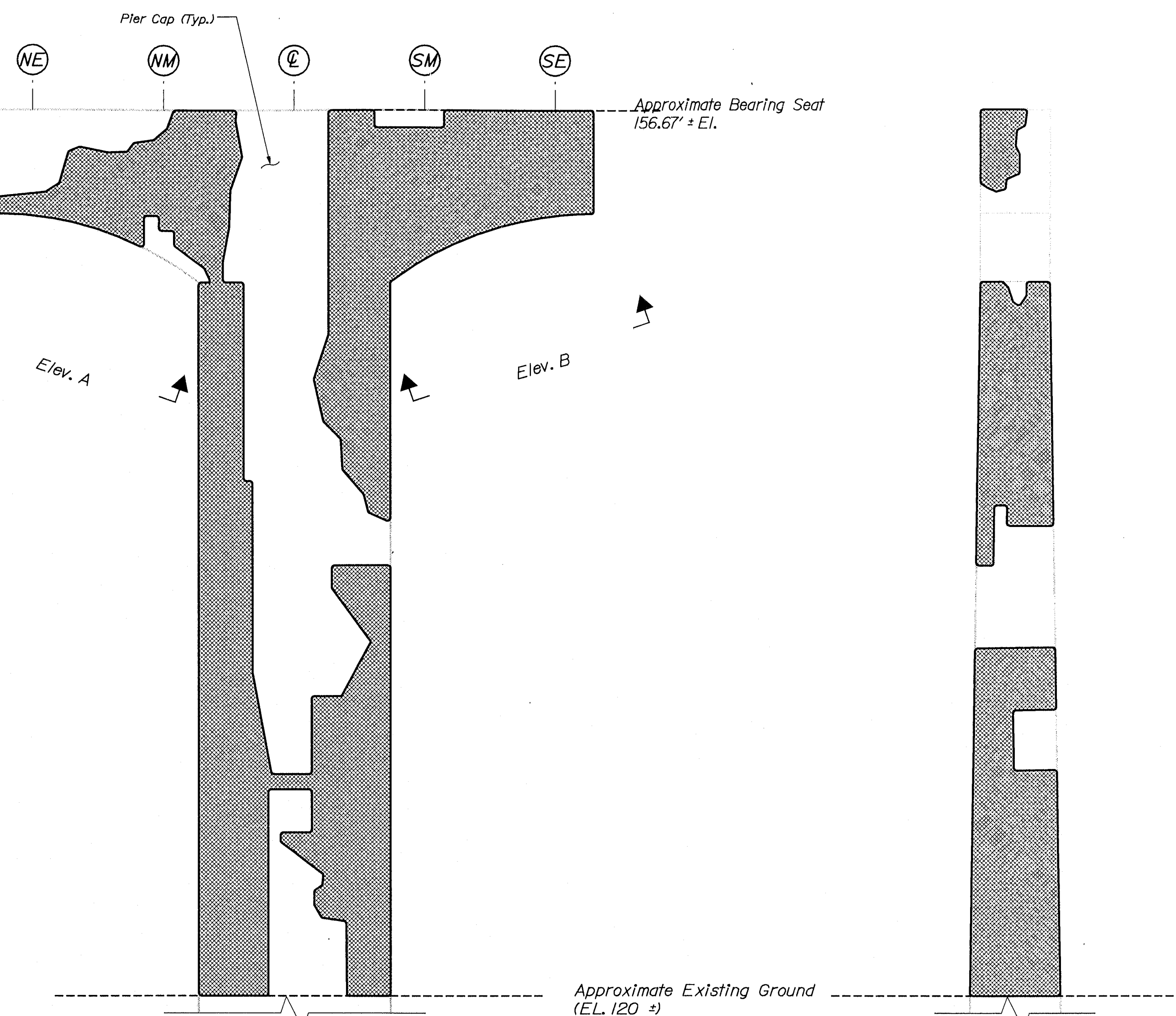
141-462



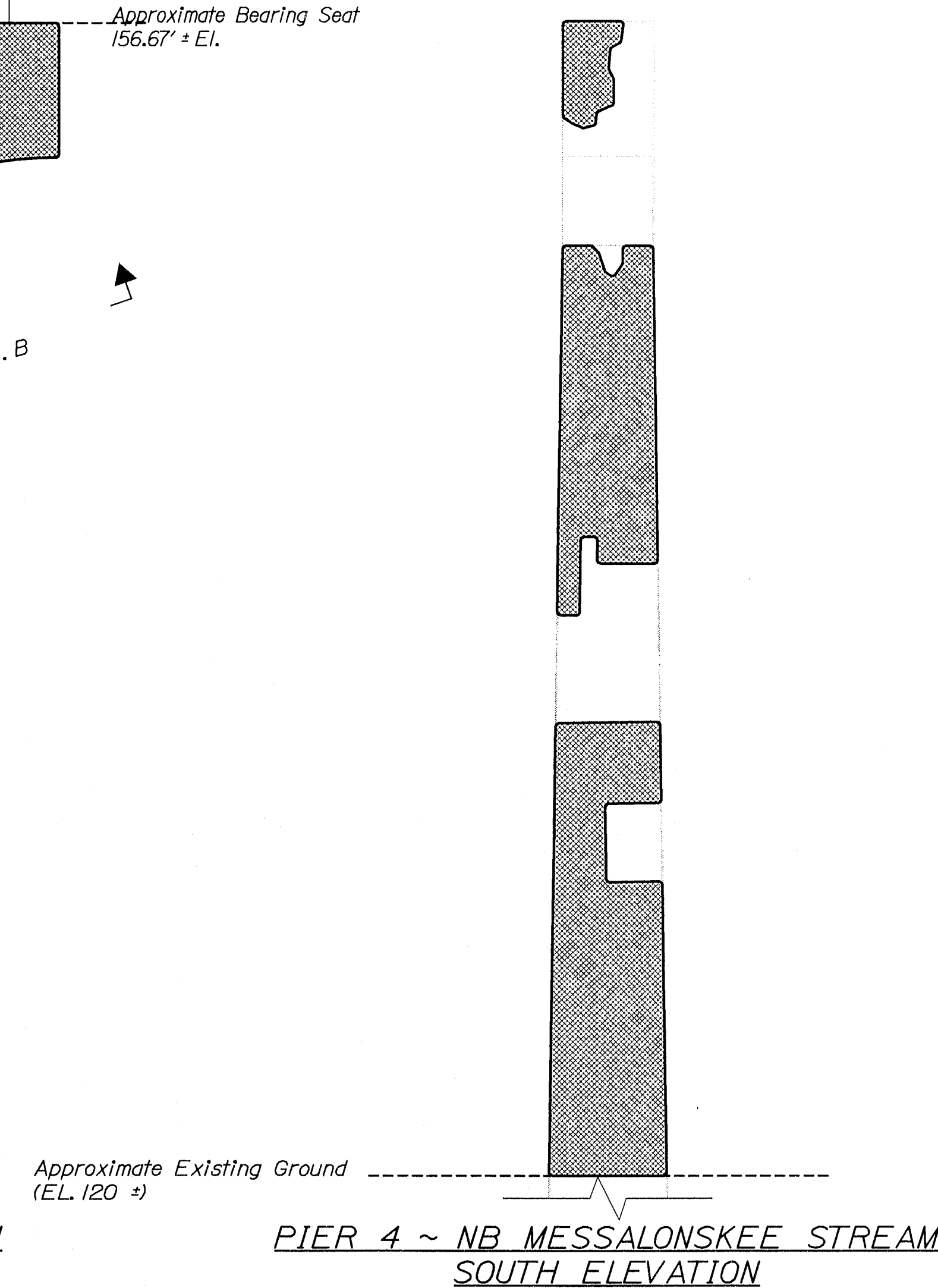
PIER 4 ~ NB MESSALONSKEE STREAM
EAST ELEVATION



PIER 4 ~ NB MESSALONSKEE STREAM
NORTH ELEVATION



PIER 4 ~ NB MESSALONSKEE STREAM
WEST ELEVATION



PIER 4 ~ NB MESSALONSKEE STREAM
SOUTH ELEVATION

ELEV. A PIER 4 ~ NB MESSALONSKEE STREAM
NORTH PIER CAP UNDERSIDE

PIER 4 ~ NB MESSALONSKEE STREAM
BEARINGS SEAT PLAN

ELEV. B PIER 4 ~ NB MESSALONSKEE STREAM
SOUTH PIER CAP UNDERSIDE

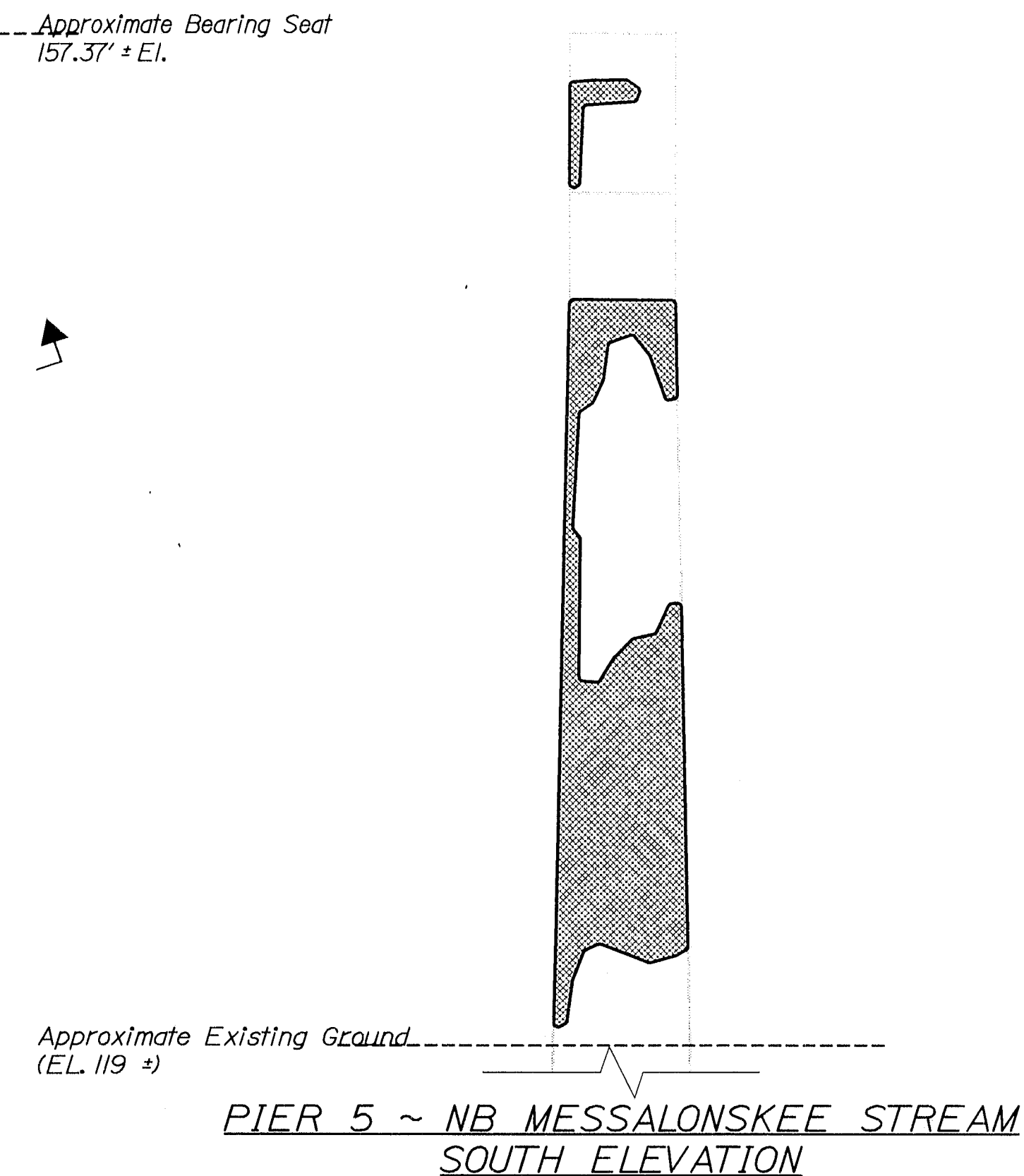
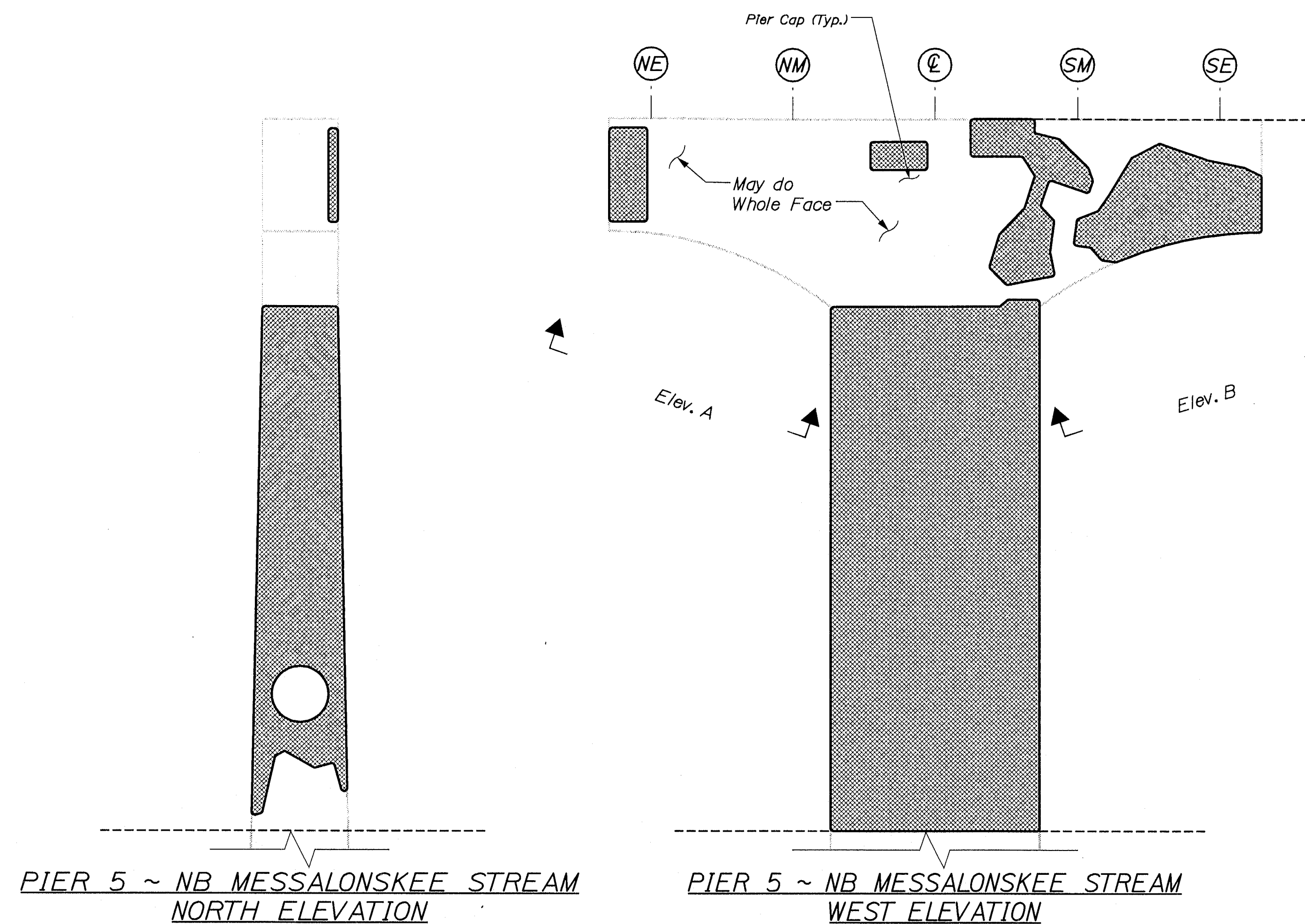
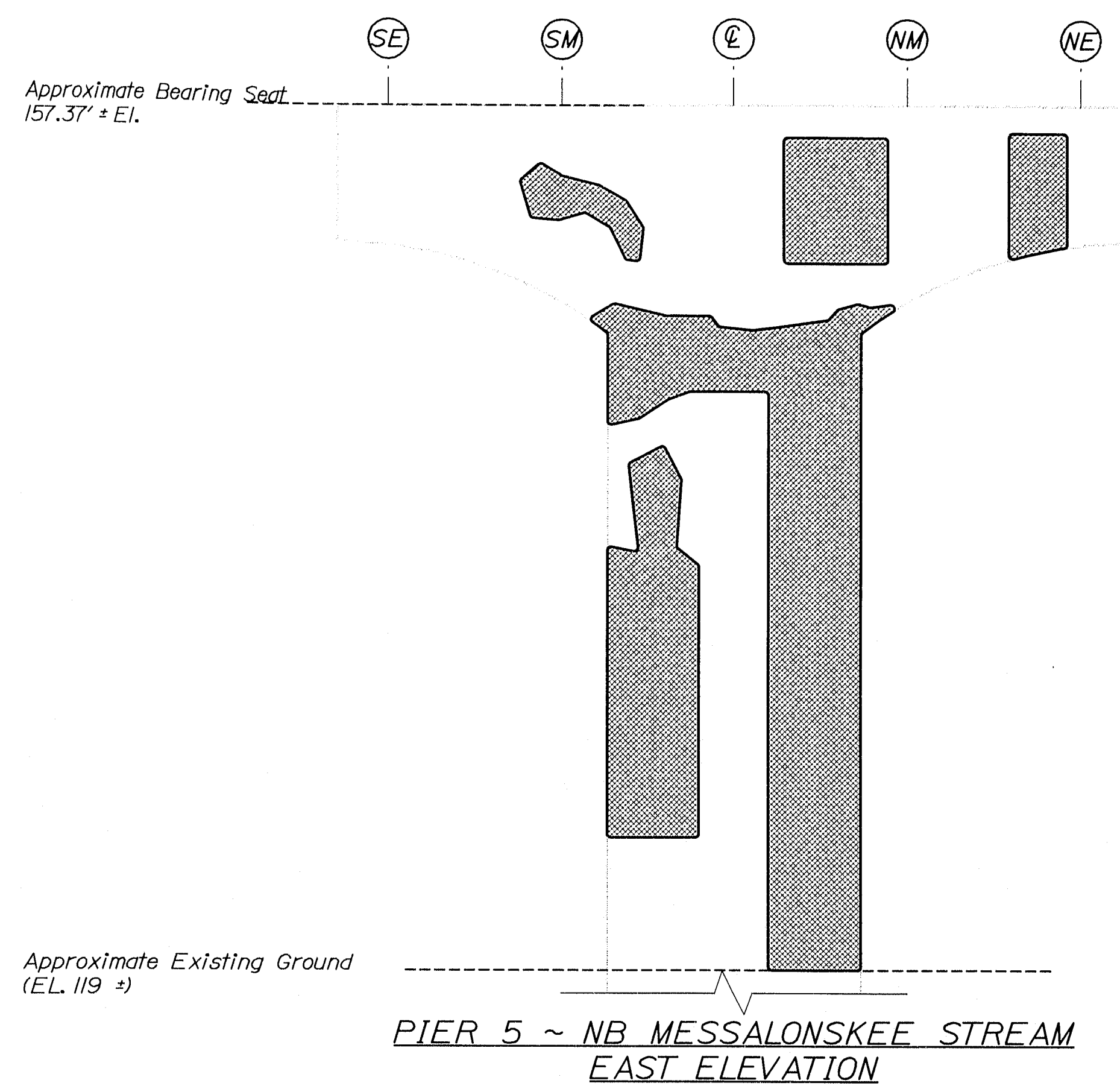
ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	1133 ft²
Repair of Upward Facing Surfaces	19 ft²
Repair of Overhead Surfaces	31 ft²
Total =	1184 ft²

KEY
[Hatched Box] = Estimated areas for Concrete Repair
[Circle with #] = This Symbol Marks E of Bearings.

I-95 NB & SB MESSALONSKEE STREAM WATERVILLE KENNEBEC ESTIMATED REPAIR AREA PIER No. 4 NB MESSALONSKEE STREAM	PROJ. MANAGER		WLF	BY	DATE
	DESIGN-DET. TALED	N08	DMS		8/29/05
	CHECKED-REVIEWED ETC		N08		SIGNATURE
	DESIGN-DET. TALED 2				P.E. NUMBER
	REVISIONS 1				DATE
	REVISIONS 2				
	REVISIONS 3				
	REVISIONS 4				
	FIELD CHANGES				
STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-95-7789(100)E					BRIDGE NO. NB-5817, SB-1458 PIN 7789.10 BRIDGE PLANS

SHEET NUMBER
29
OF 37

141-463



ELEV. A PIER 5 ~ NB MESSALONSKEE STREAM NORTH PIER CAP UNDERSIDE

PIER 5 ~ NB MESSALONSKEE STREAM BEARINGS SEAT PLAN

ELEV. B PIER 5 ~ NB MESSALONSKEE STREAM SOUTH PIER CAP UNDERSIDE

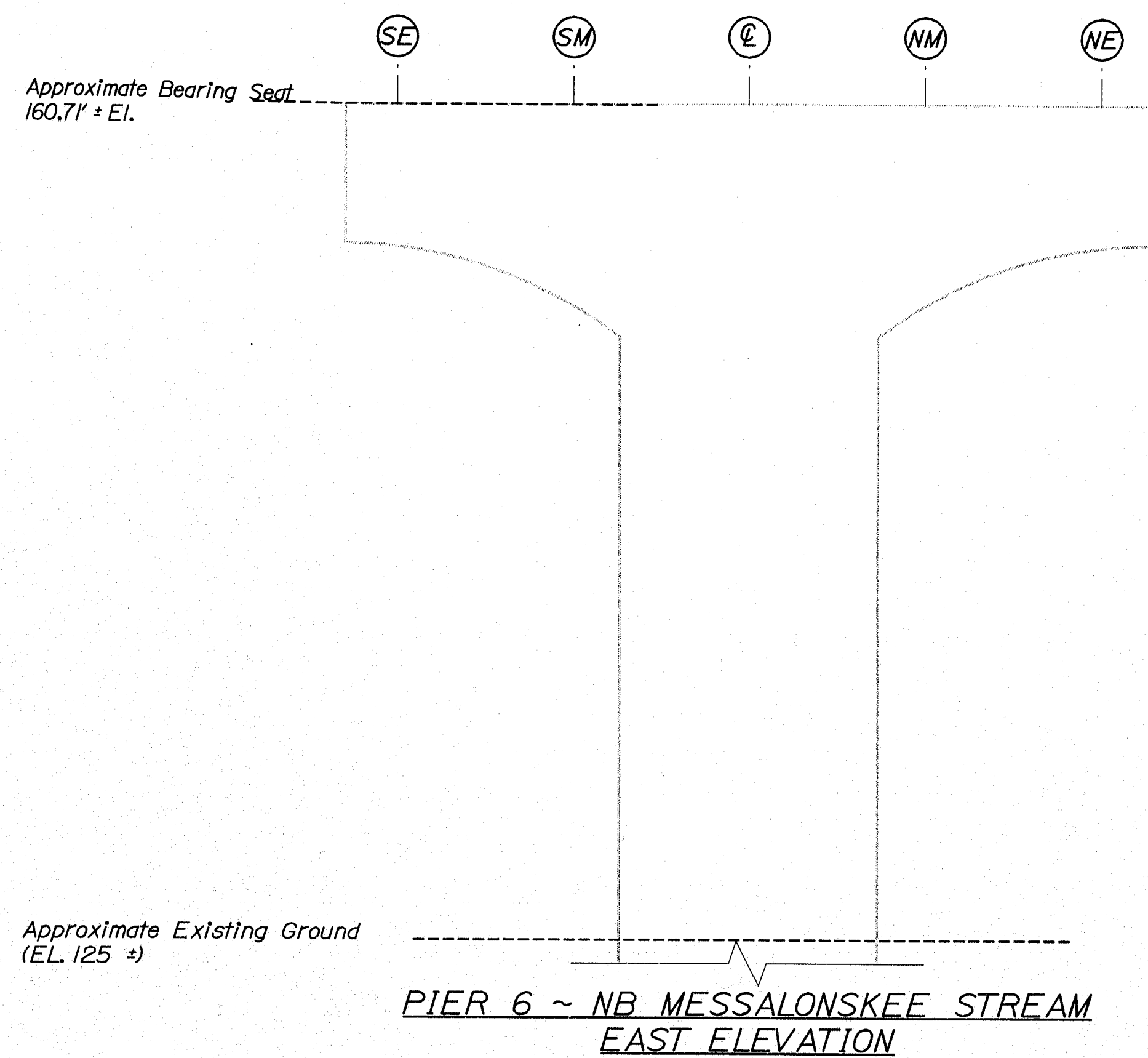
ESTIMATED AREAS OF CONCRETE REPAIR		
Repair of Vertical Surfaces	820	ft²
Repair of Upward Facing Surfaces	2	ft²
Repair of Overhead Surfaces	12	ft²
Total	835	ft²

KEY

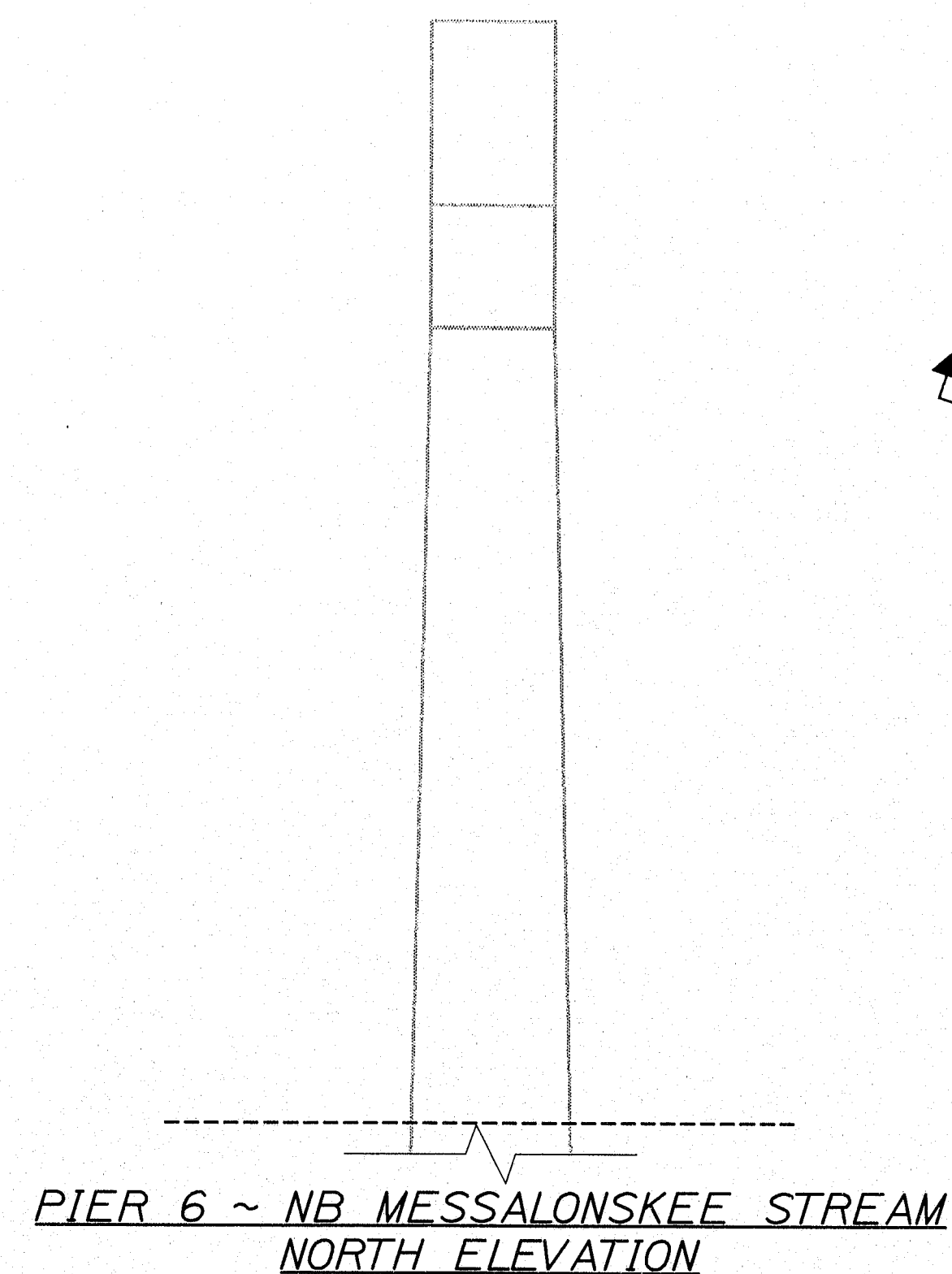
■ = Estimated areas for Concrete Repair

⊙ = This Symbol Marks E of Bearings.

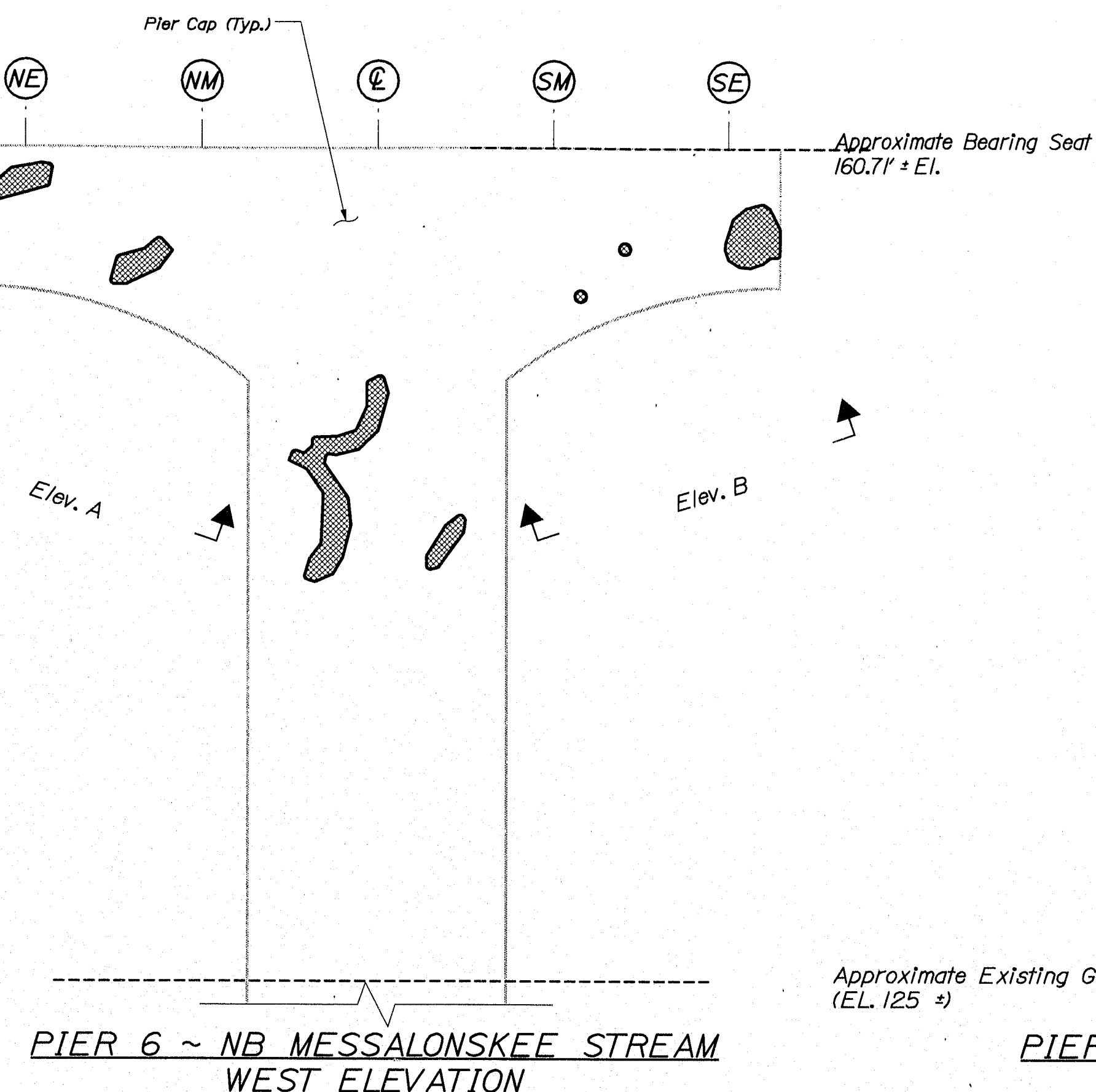
STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-95-7789(100)E	BRIDGE NO. NB-5817, SB-1458	PIN 7789.10	BRIDGE PLANS
I-95 NB & SB MESSALONSKEE STREAM WATERVILLE KENNEBEC ESTIMATED REPAIR AREA PIER No. 5 NB MESSALONSKEE STREAM			
SHEET NUMBER 30 OF 37			



ELEV. A PIER 6 ~ NB MESSALONSKEE STREAM
NORTH PIER CAP UNDERSIDE



PIER 6 ~ NB MESSALONSKEE STREAM
BEARINGS SEAT PLAN



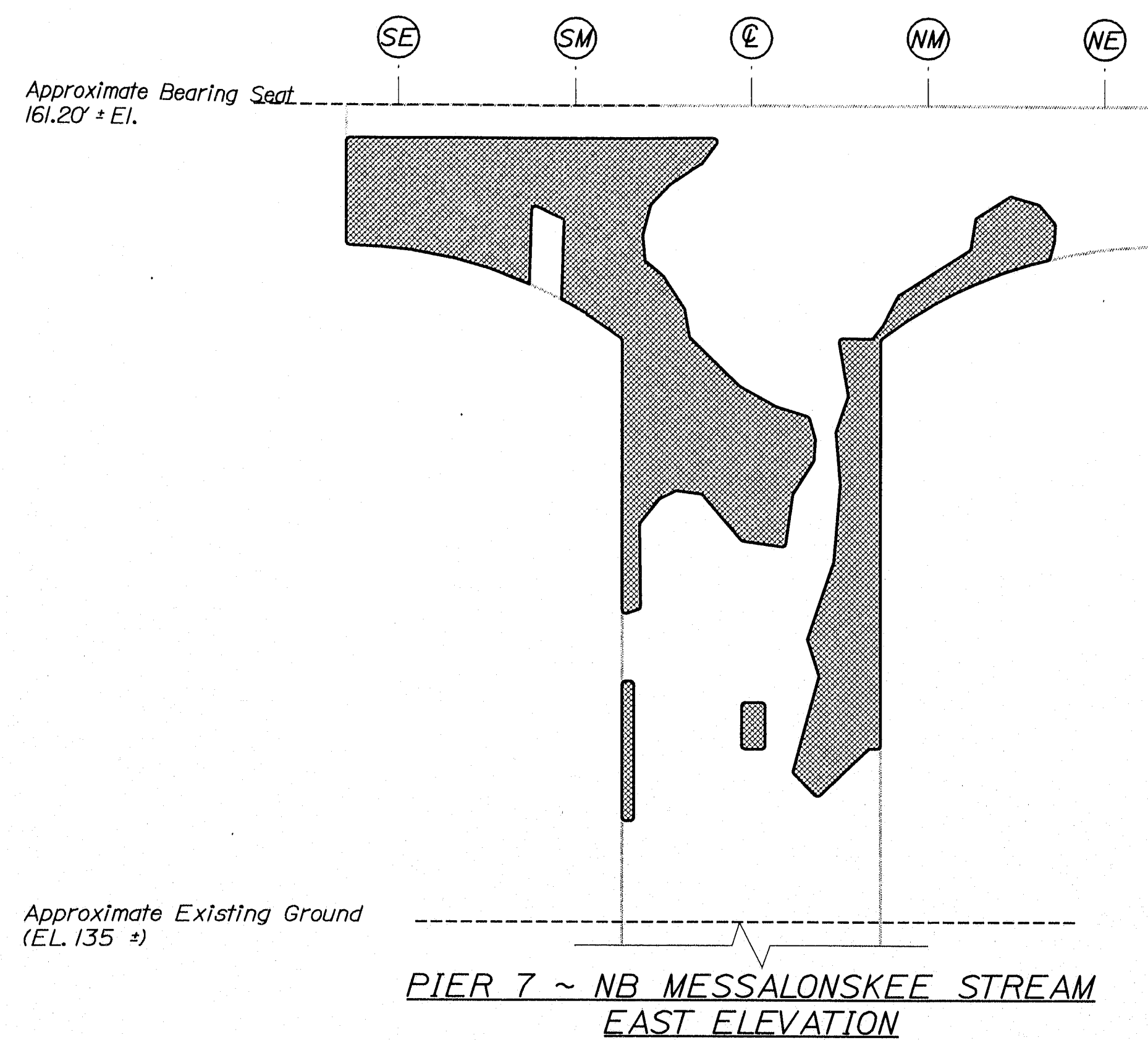
ELEV. B PIER 6 ~ NB MESSALONSKEE STREAM
SOUTH PIER CAP UNDERSIDE

ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	23 ft²
Repair of Upward Facing Surfaces	1 ft²
Repair of Overhead Surfaces	4 ft²
Total =	28 ft²

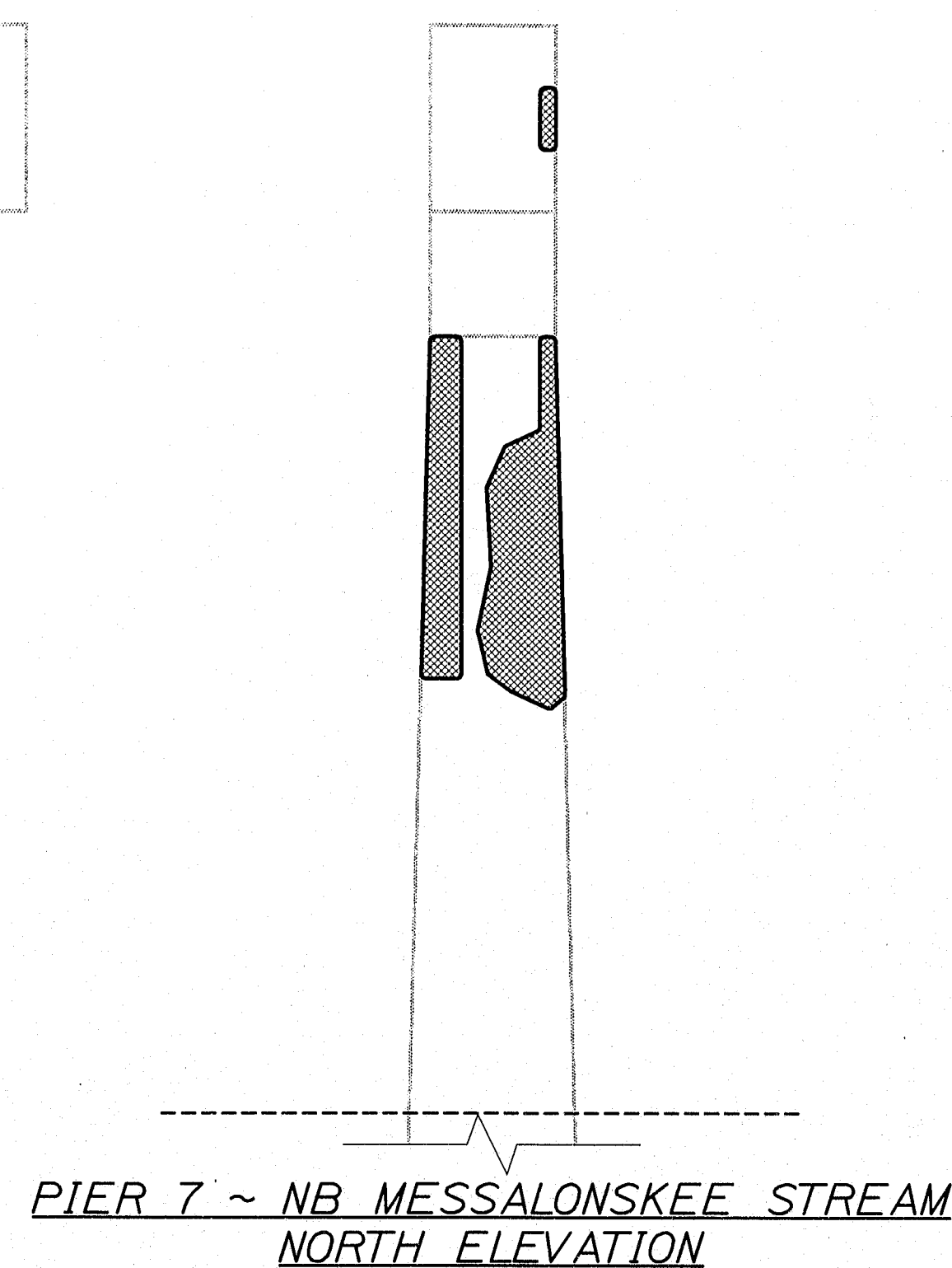
KEY
 = Estimated areas for Concrete Repair
 = This Symbol Marks Q of Bearings.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		IM-95-7789(100)E	
BRIDGE NO. NB-5817, SB-1458		PIN 7789.10	
BRIDGE PLANS			
PROJECT NO. 1-95 NB & SB MESSALONSKEE STREAM		KENNEBEC	
WATERVILLE		ESTIMATED REPAIR AREA PIER	
No. 6 NB MESSALONSKEE STREAM			
SHEET NUMBER		31	
		OF 37	

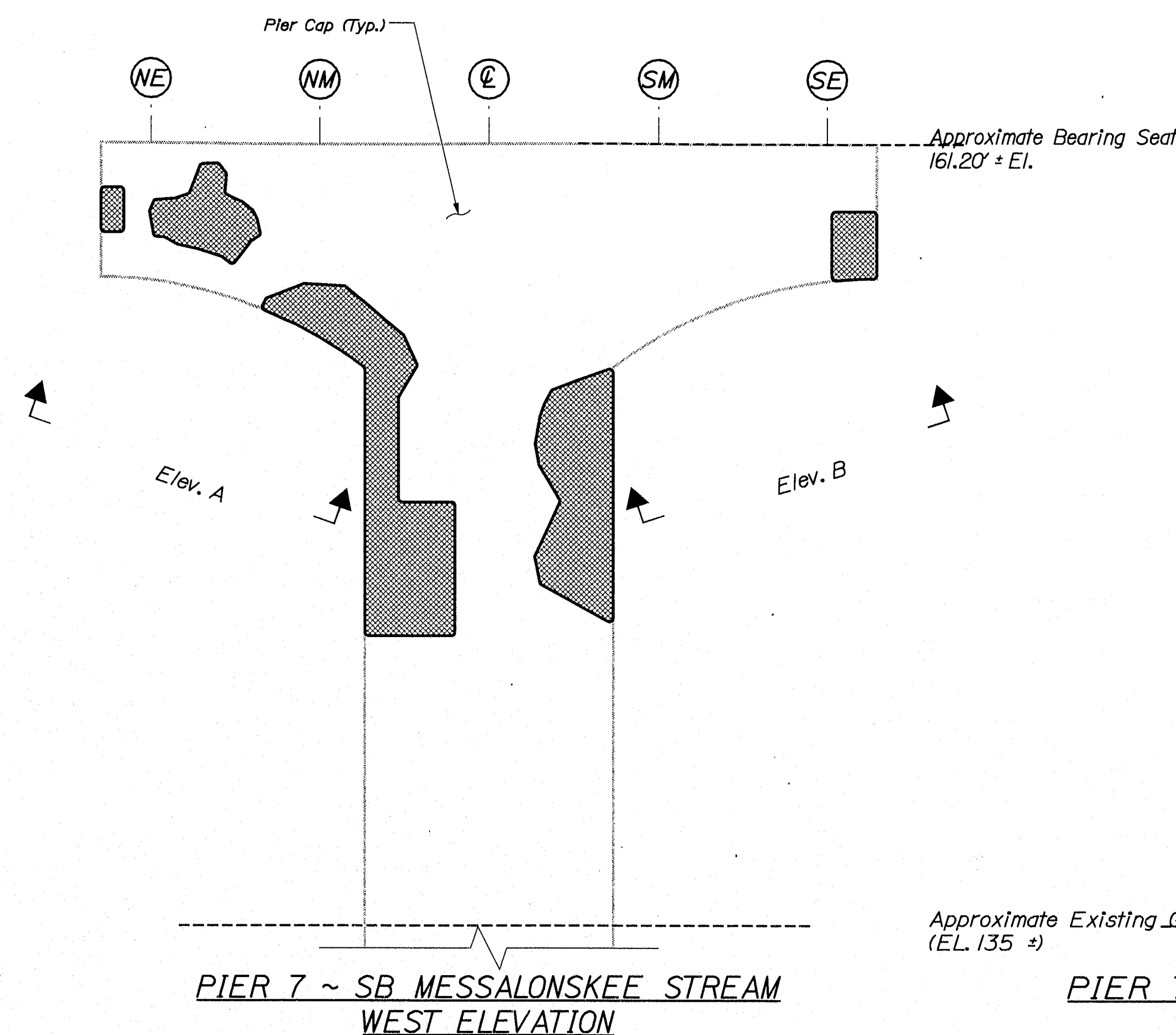
141-465



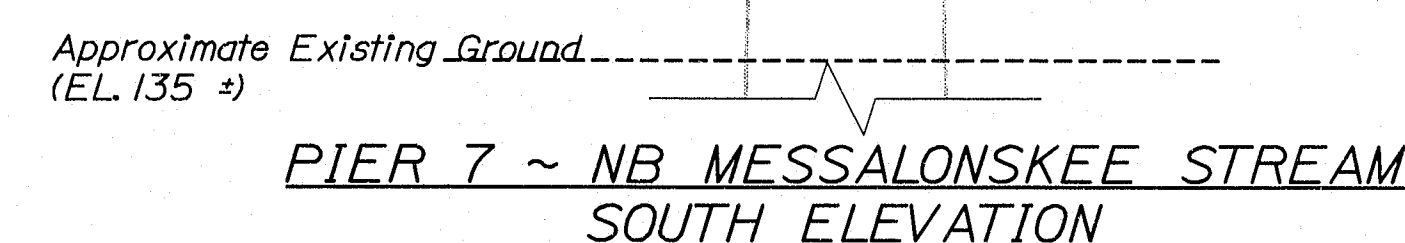
ELEV. A PIER 7 ~ NB MESSALONSKEE STREAM
NORTH PIER CAP UNDERSIDE



PIER 7 ~ NB MESSALONSKEE STREAM
BEARINGS SEAT PLAN



ELEV. B PIER 7 ~ NB MESSALONSKEE STREAM
SOUTH PIER CAP UNDERSIDE

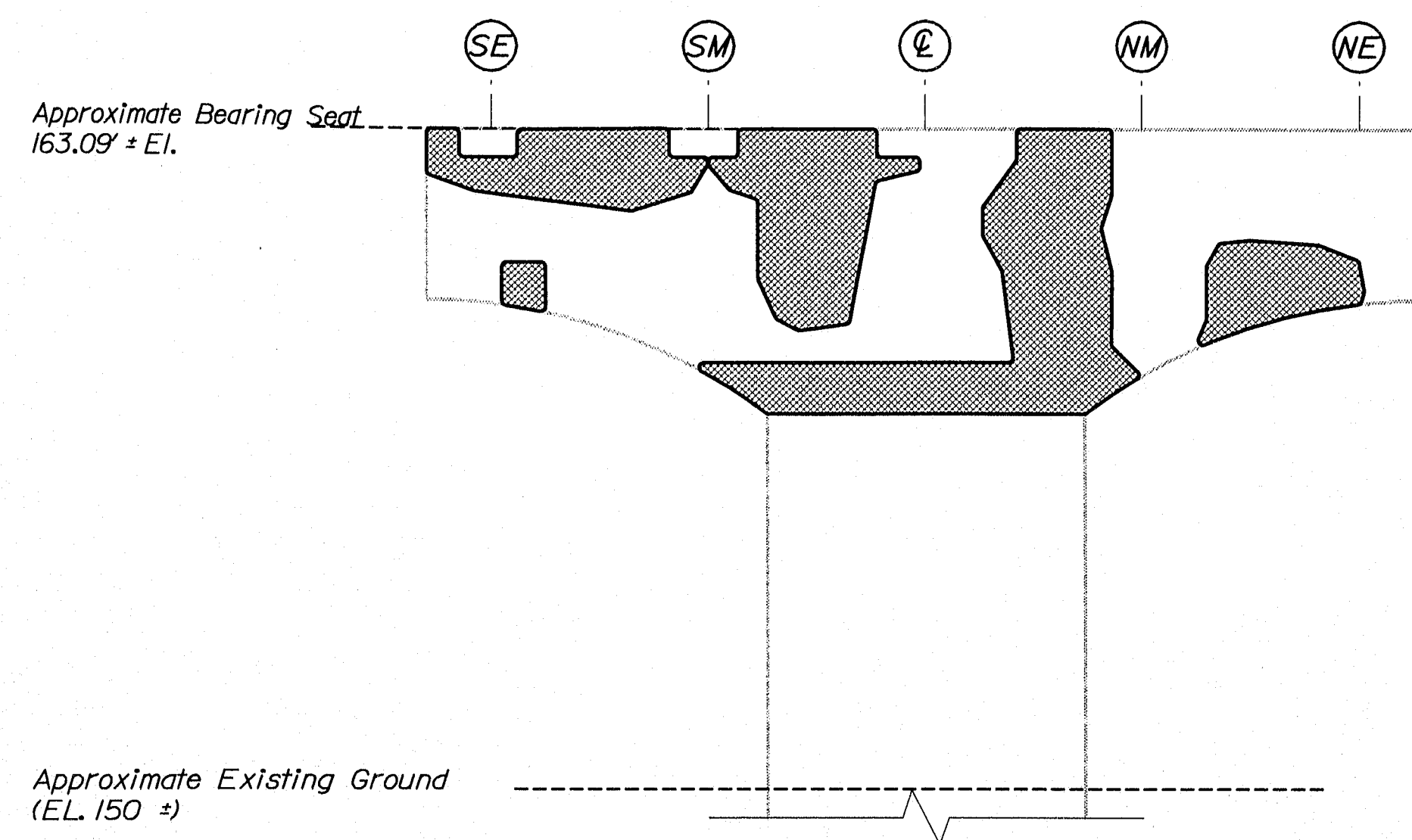


ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	386 ft²
Repair of Upward Facing Surfaces	0 ft²
Repair of Overhead Surfaces	23 ft²
Total =	409 ft²

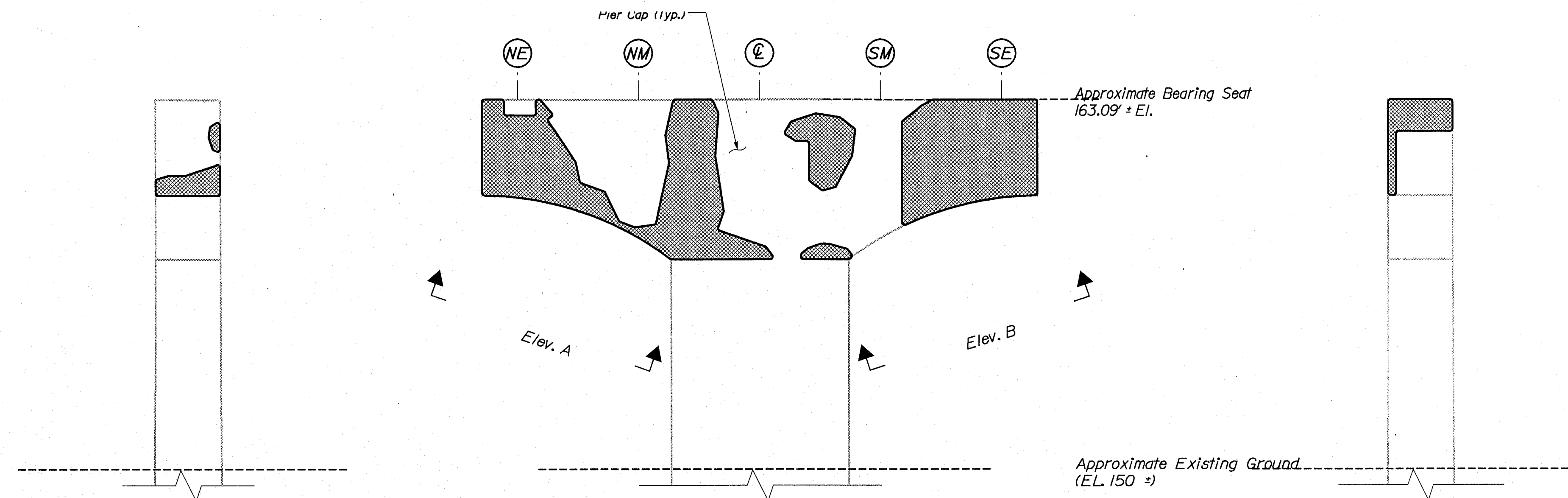
KEY
 = Estimated areas for Concrete Repair
 = This Symbol Marks Q of Bearings.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		IM-95-7789(100)E	
BRIDGE NO. NB-5817, SB-1458		PIN 7789.10	
BRIDGE PLANS			
I-95 NB & SB MESSALONSKEE STREAM WATERVILLE		KENNEBEC	
ESTIMATED REPAIR AREA PIER No. 7 NB MESSALONSKEE STREAM			
SHEET NUMBER			
32			
OF 37			

141-466

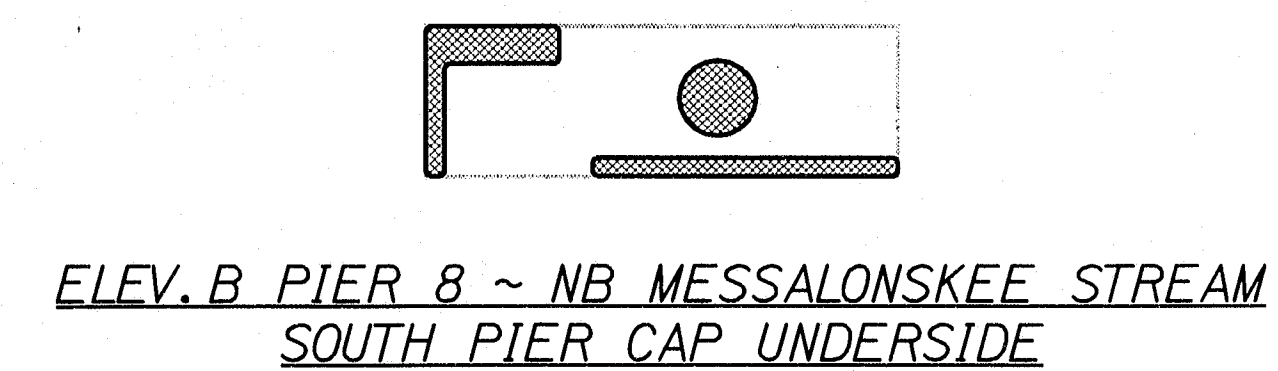
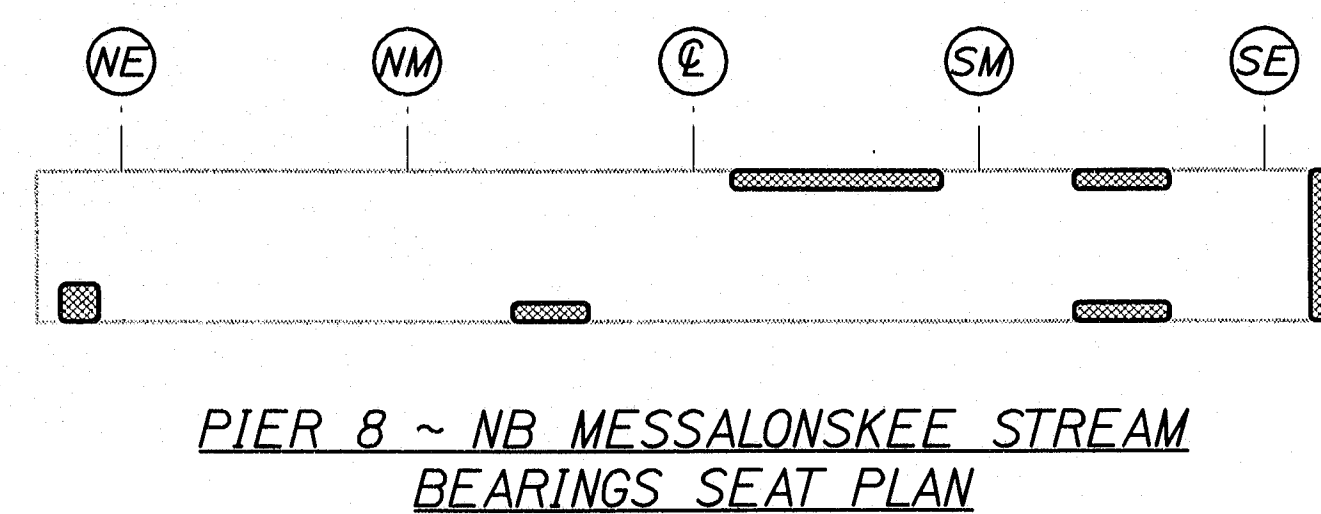
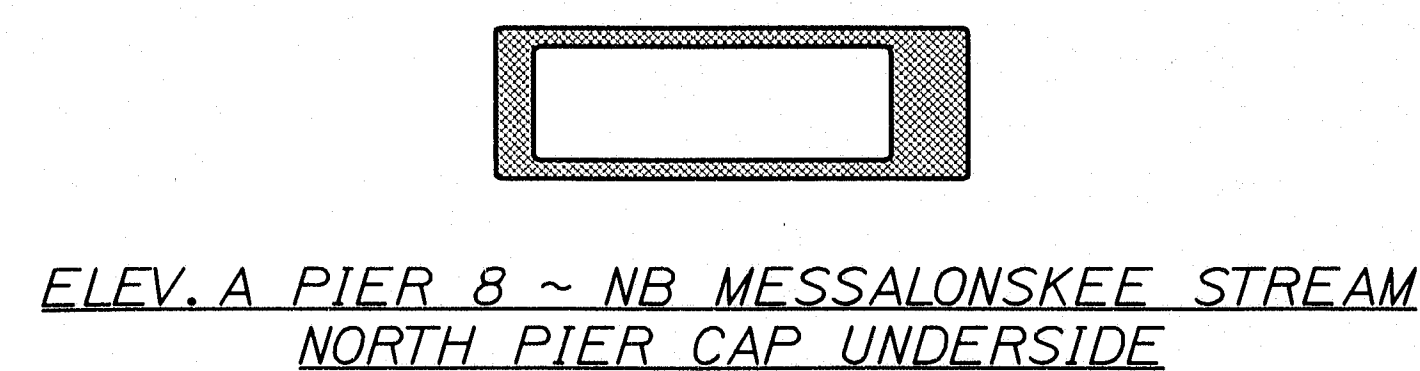


PIER 8 ~ NB MESSALONSKEE STREAM
EAST ELEVATION



PIER 8 ~ NB MESSALONSKEE STREAM
WEST ELEVATION

PIER 8 ~ NB MESSALONSKEE STREAM
SOUTH ELEVATION

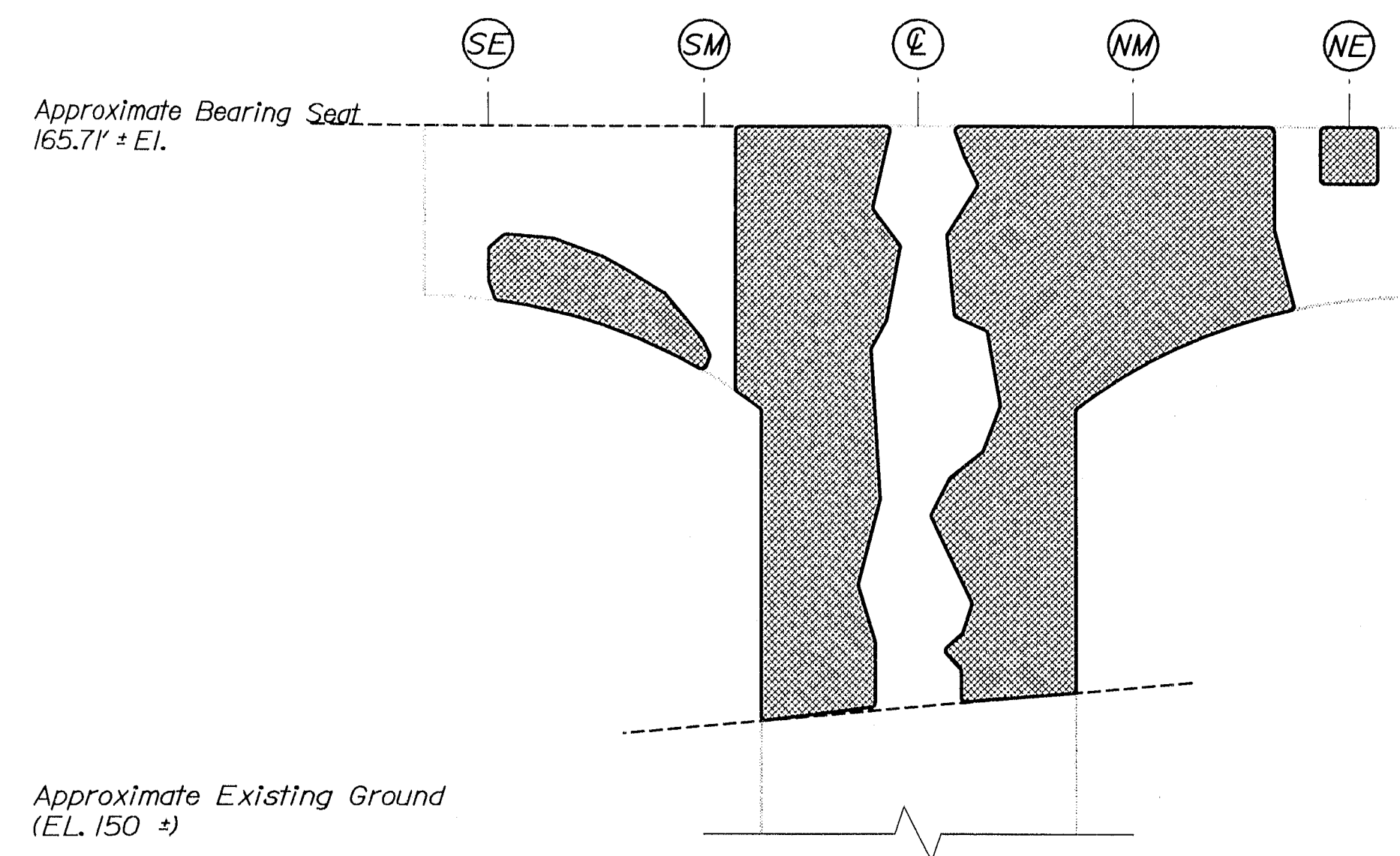


ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	280 ft²
Repair of Upward Facing Surfaces	11 ft²
Repair of Overhead Surfaces	33 ft²
Total -	325 ft²

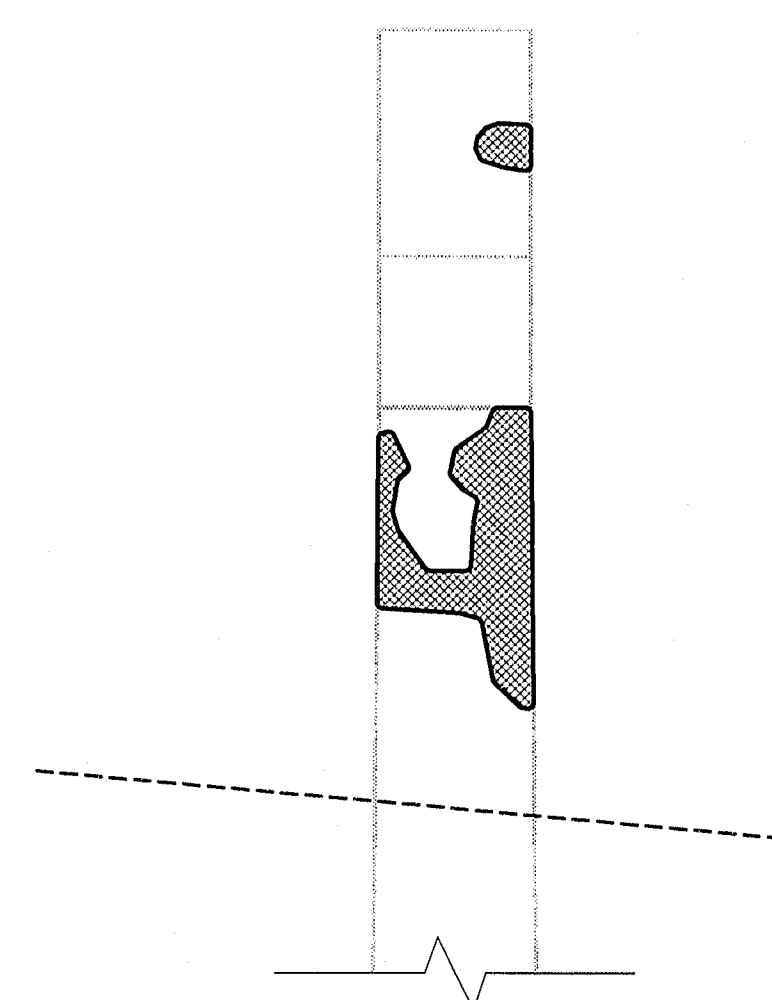
KEY
 - Estimated areas for Concrete Repair
 - This Symbol Marks C of Bearings.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		IM-95-7789(100)E	
BRIDGE NO. NB-5817, SB-1458	PIN 7789.10	BRIDGE PLANS	
I-95 NB & SB MESSALONSKEE STREAM WATERVILLE		ESTIMATED REPAIR AREA PIER No. 8 NB MESSALONSKEE STREAM	
PROJ. MANAGER	DATE	SIGNATURE	DATE
DESIGNED BY	8/29/05		
CHECKED BY	8/29/05		
DESIGNED BY		P.E. NUMBER	
DESIGNED BY			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
SHEET NUMBER		33	
		OF 37	

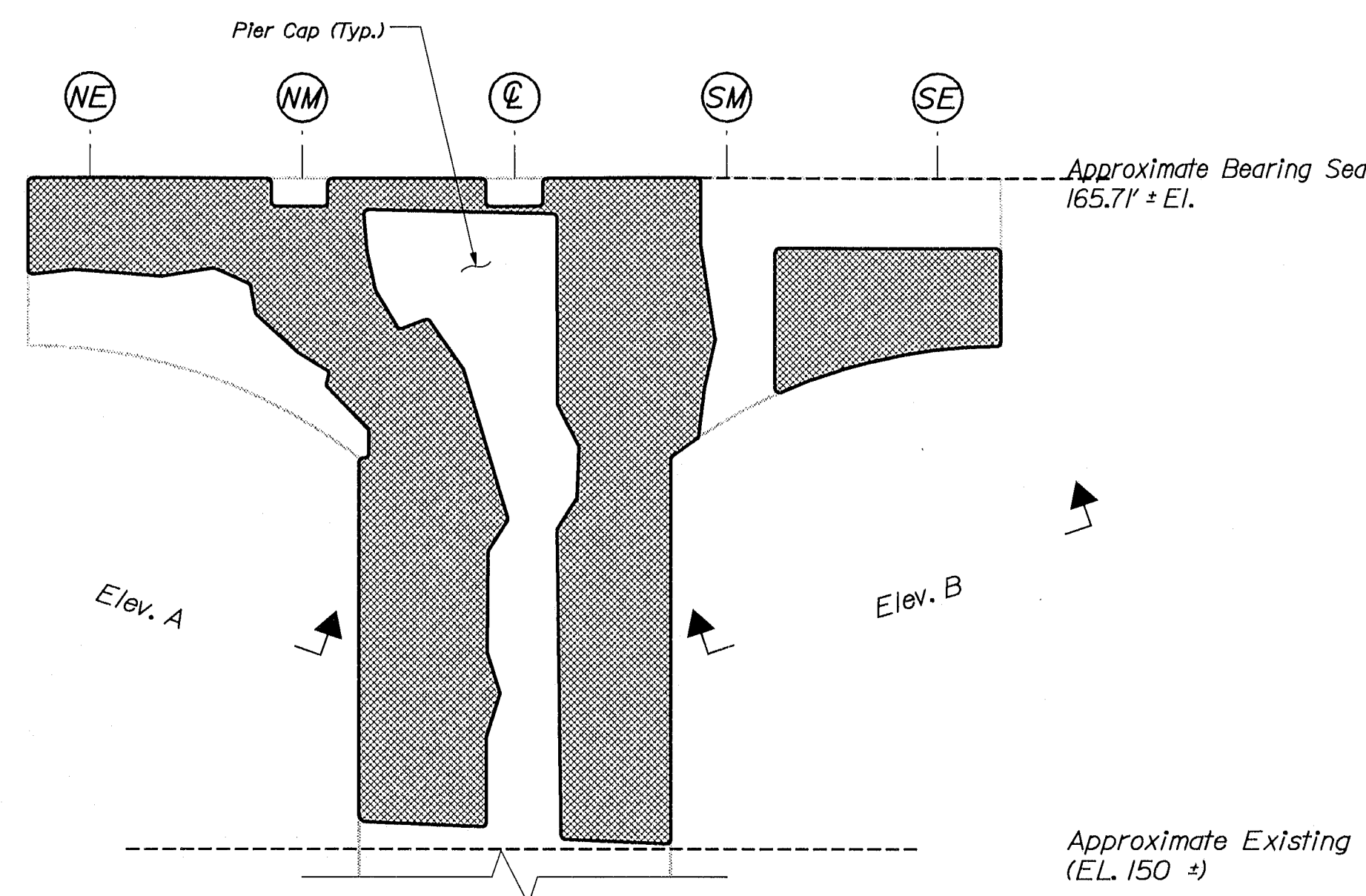
141-467



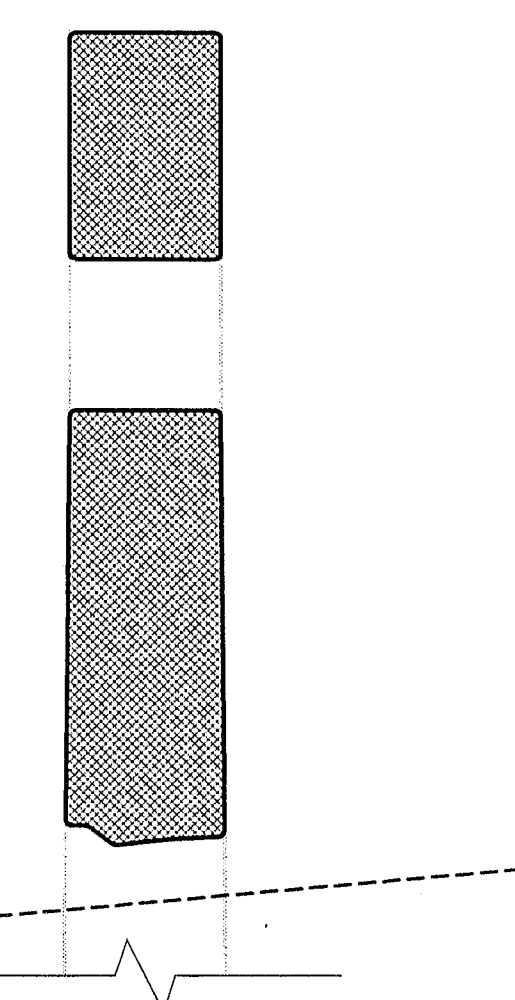
PIER 9 ~ NB MESSALONSKEE STREAM
EAST ELEVATION



PIER 9 ~ NB MESSALONSKEE STREAM
NORTH ELEVATION



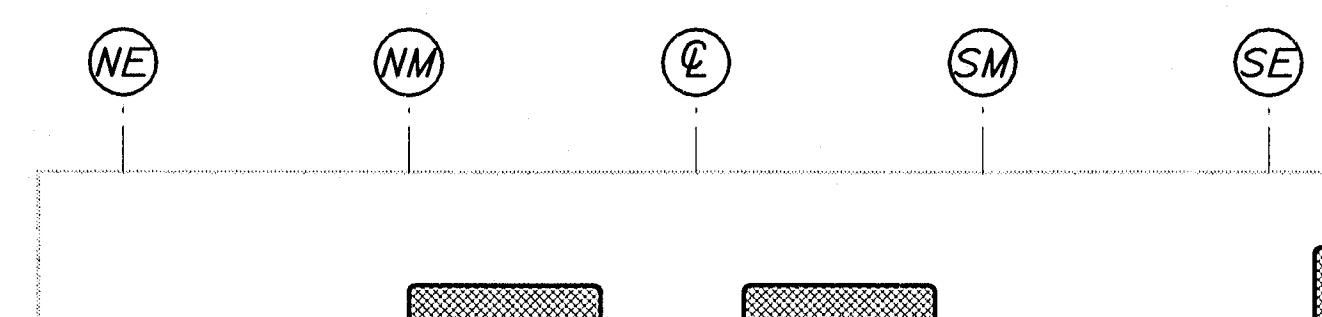
PIER 9 ~ NB MESSALONSKEE STREAM
WEST ELEVATION



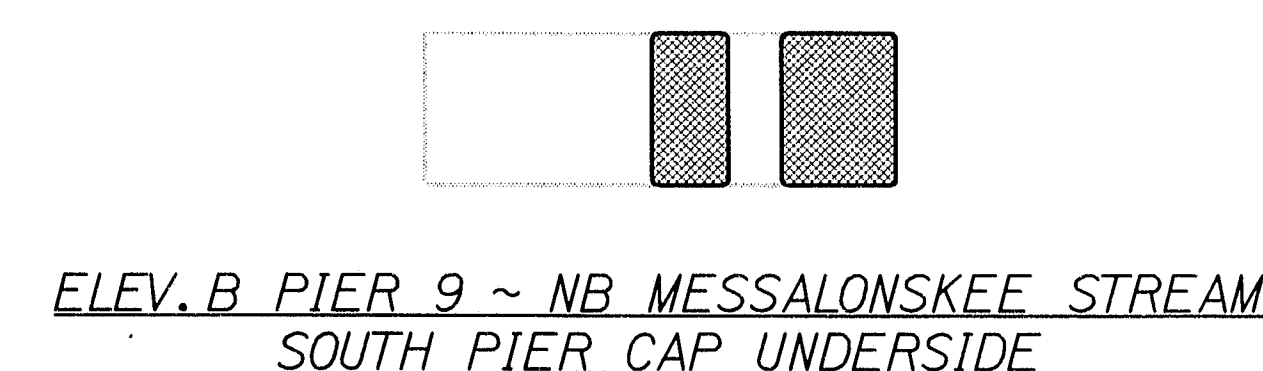
PIER 9 ~ NB MESSALONSKEE STREAM
SOUTH ELEVATION



ELEV. A PIER 9 ~ NB MESSALONSKEE STREAM
NORTH PIER CAP UNDERSIDE



PIER 9 ~ NB MESSALONSKEE STREAM
BEARINGS SEAT PLAN



ELEV. B PIER 9 ~ NB MESSALONSKEE STREAM
SOUTH PIER CAP UNDERSIDE

ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	611 ft²
Repair of Upward Facing Surfaces	12 ft²
Repair of Overhead Surfaces	69 ft²
Total =	692 ft²

KEY
 = Estimated areas for Concrete Repair

= This Symbol Marks Q of Bearings.

141-468

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 IM-95-7789(100)E
 BRIDGE NO. NB-5817, SB-1458
 PIN 7789.10
 BRIDGE PLANS

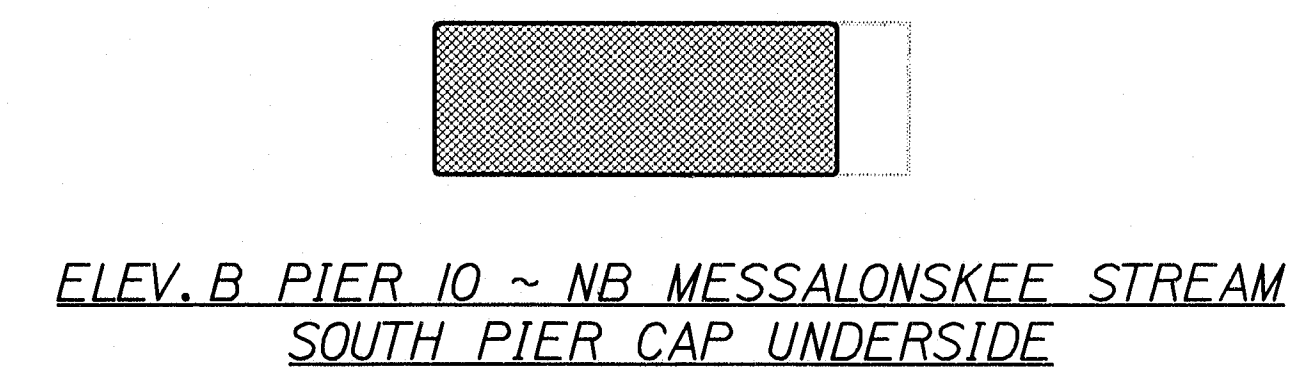
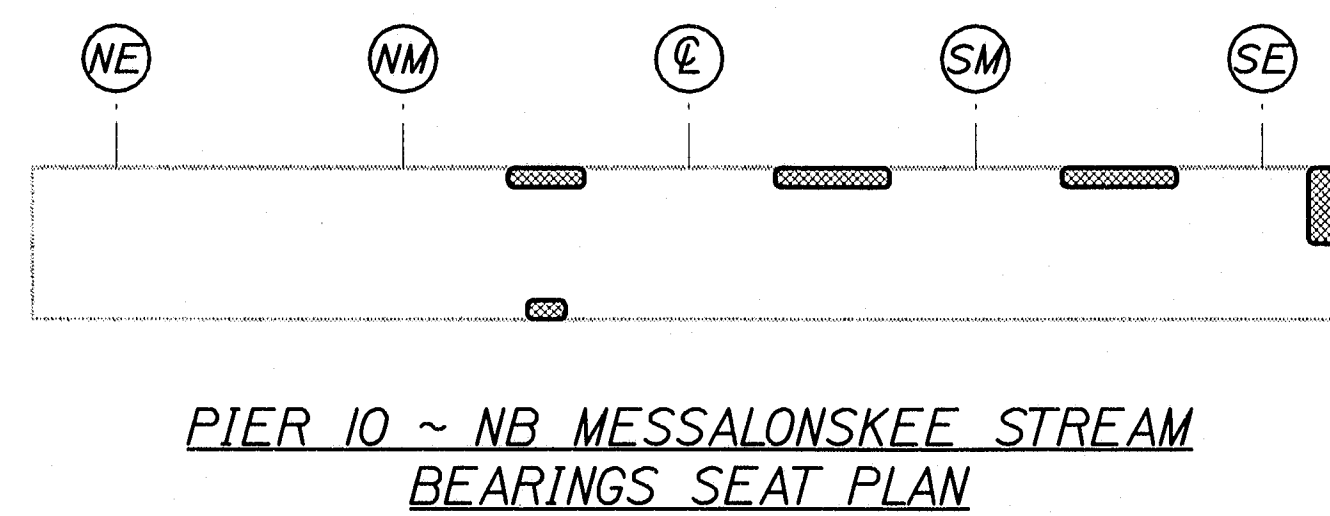
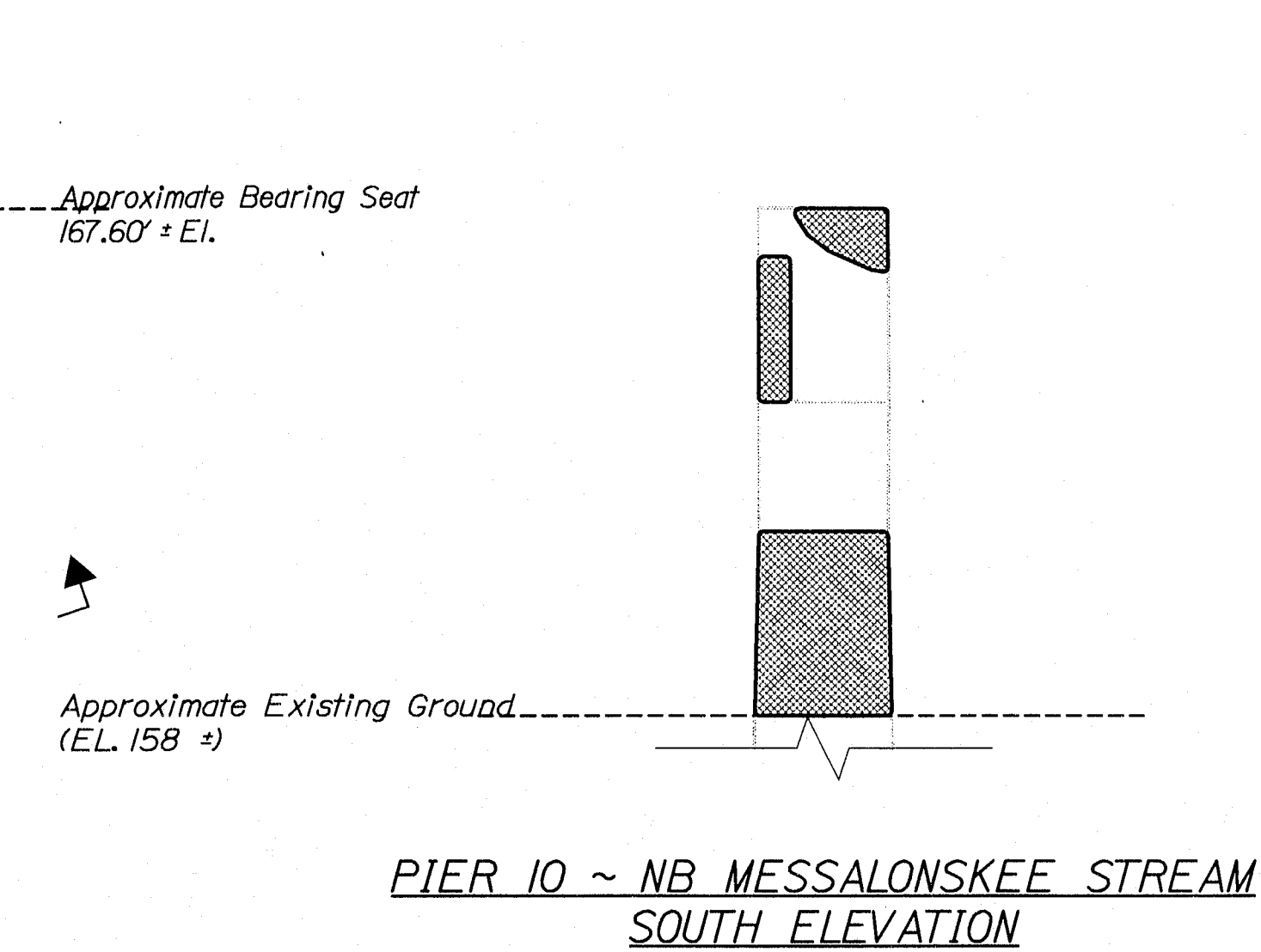
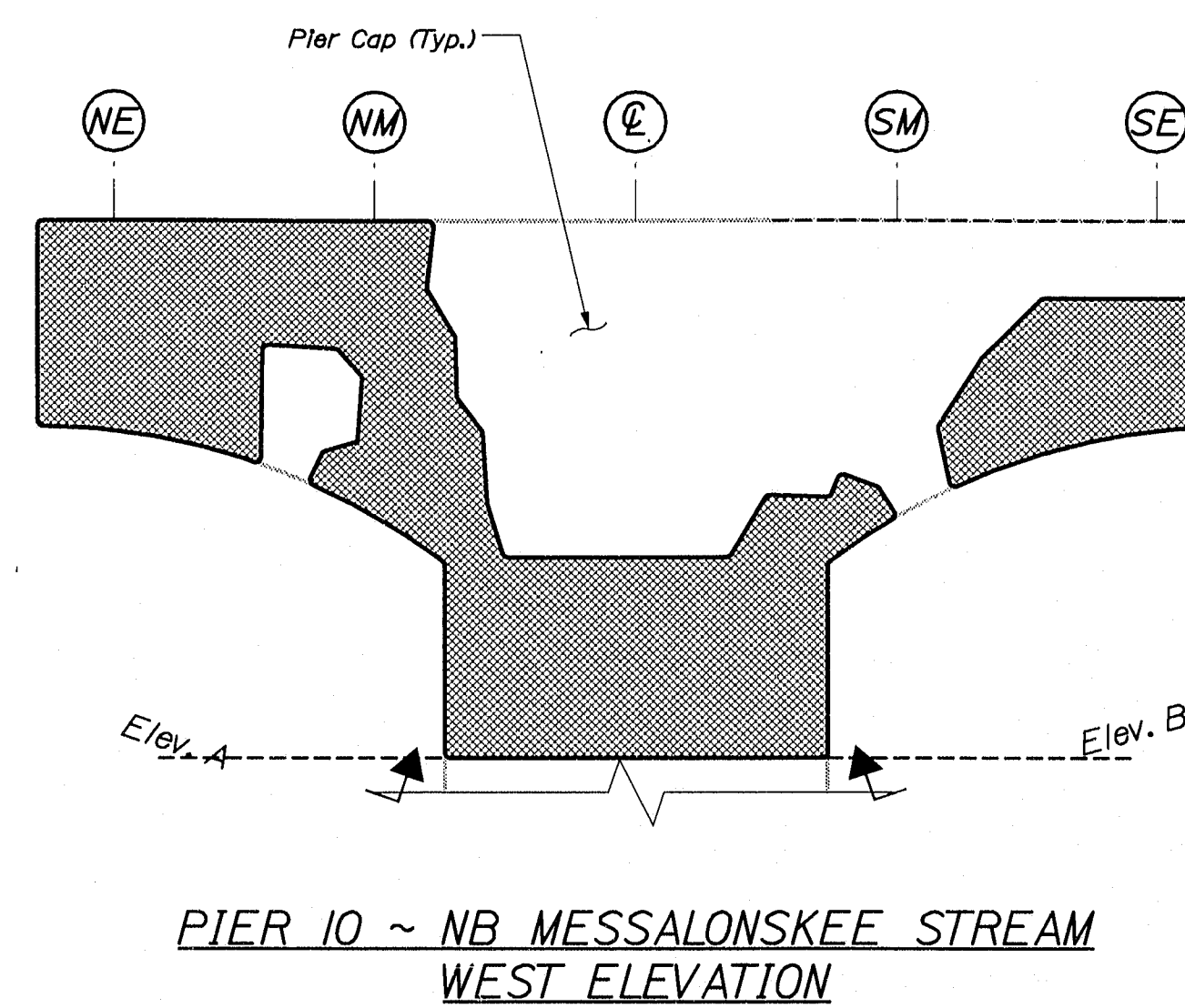
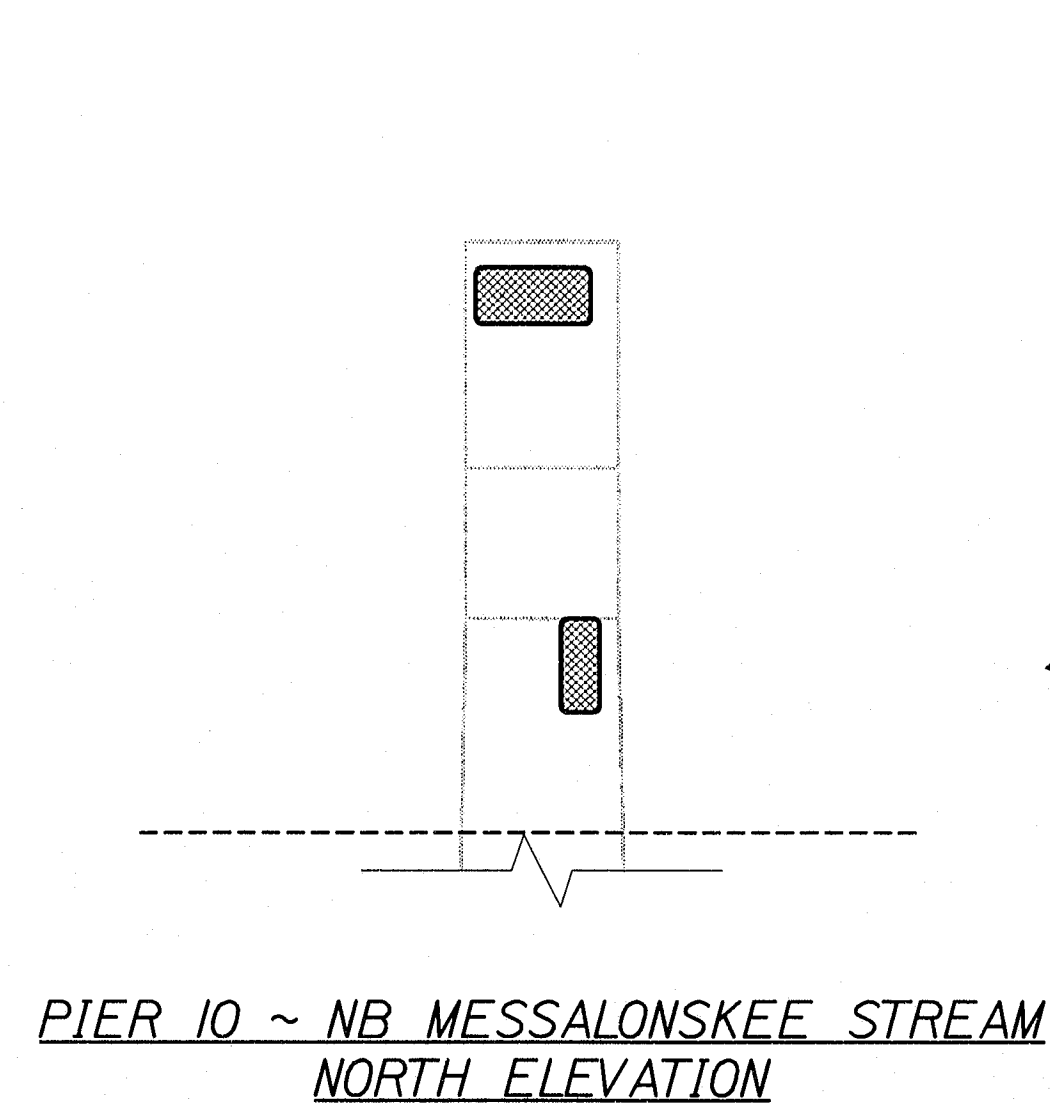
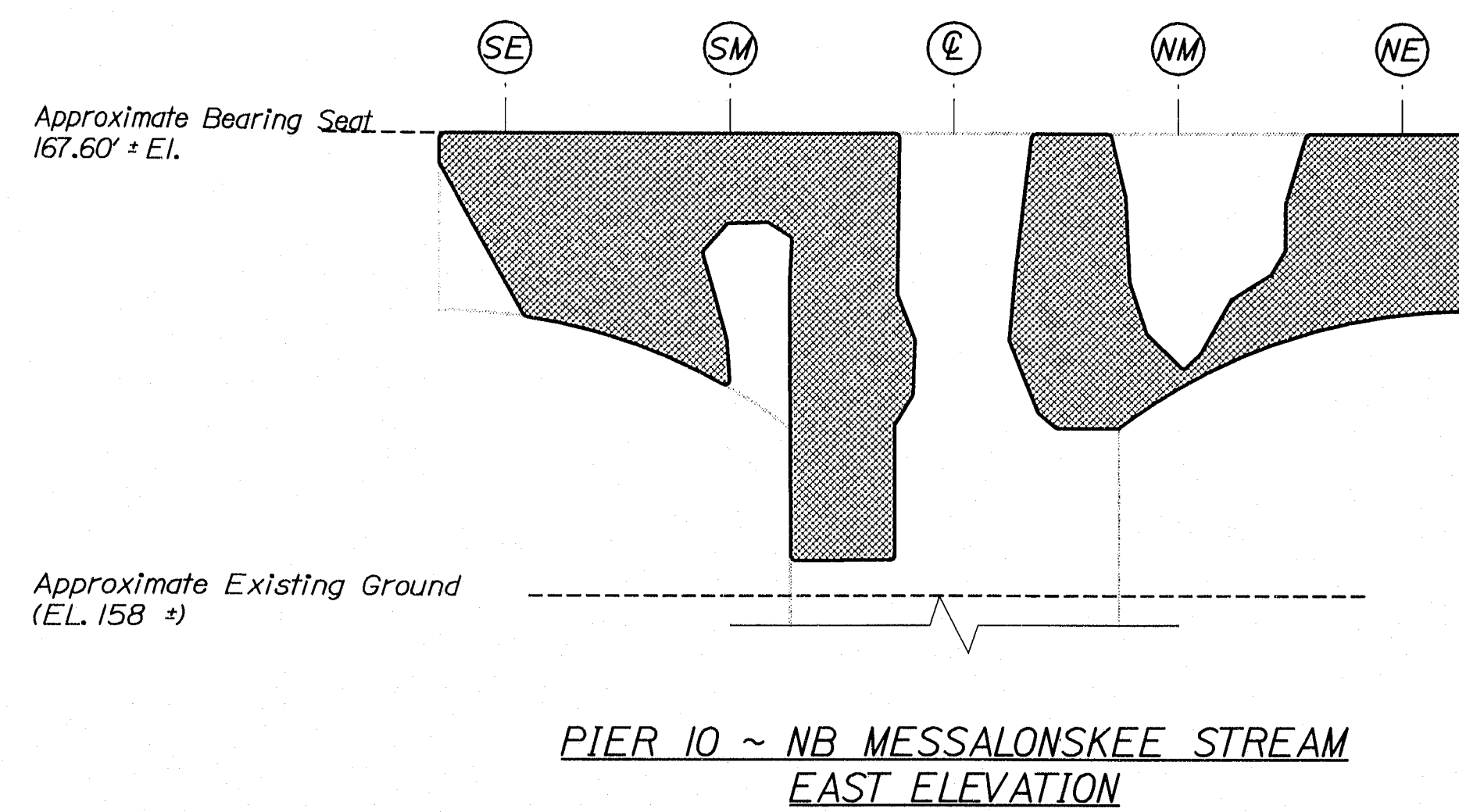
DATE	BY	WFL	DESIGN-DETAILED	CHECKED-REVIEWED ETC	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
8/29/05										
8/29/05										
SIGNATURE										
P.E. NUMBER										
DATE										

I-95 NB & SB
 MESSALONSKEE STREAM
 KENNEBEC
 WATERVILLE
 ESTIMATED REPAIR AREA PIER
 No. 9 NB MESSALONSKEE STREAM

SHEET NUMBER

34

OF 37

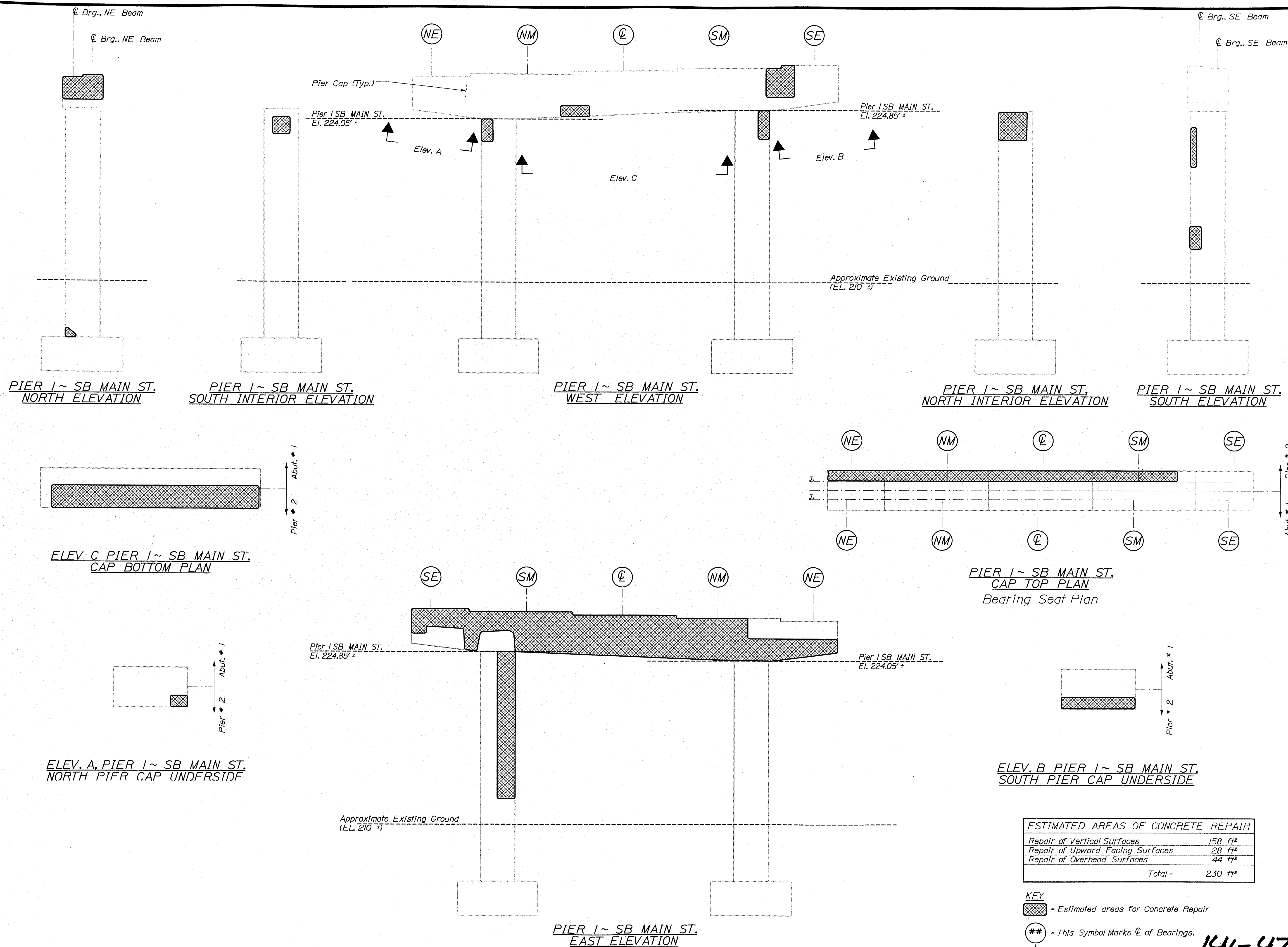


ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	424 ft²
Repair of Upward Facing Surfaces	6 ft²
Repair of Overhead Surfaces	84 ft²
Total	515 ft²

KEY
 - Estimated areas for Concrete Repair
 - This Symbol Marks C of Bearings.

141-469

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		BRIDGE NO. NB-5817, SB-1458		PIN 7789.10		BRIDGE PLANS	
IM-95-7789(100)E							
DATE 8/22/05		BY DMS MB		SIGNATURE		P.E. NUMBER	
DESIGN-REVIEWED E.C.		DESIGN-REVIEWED E.C.		DESIGN-REVIEWED E.C.		DESIGN-REVIEWED E.C.	
REVISIONS 1		REVISIONS 2		REVISIONS 3		REVISIONS 4	
FIELD CHANGES		FIELD CHANGES		FIELD CHANGES		FIELD CHANGES	
I-95 NB & SB MESSALONSKEE STREAM WATERVILLE				ESTIMATED REPAIR AREA PIER No. 10 NB MESSALONSKEE STREAM			
SHEET NUMBER				35			
				OF 37			

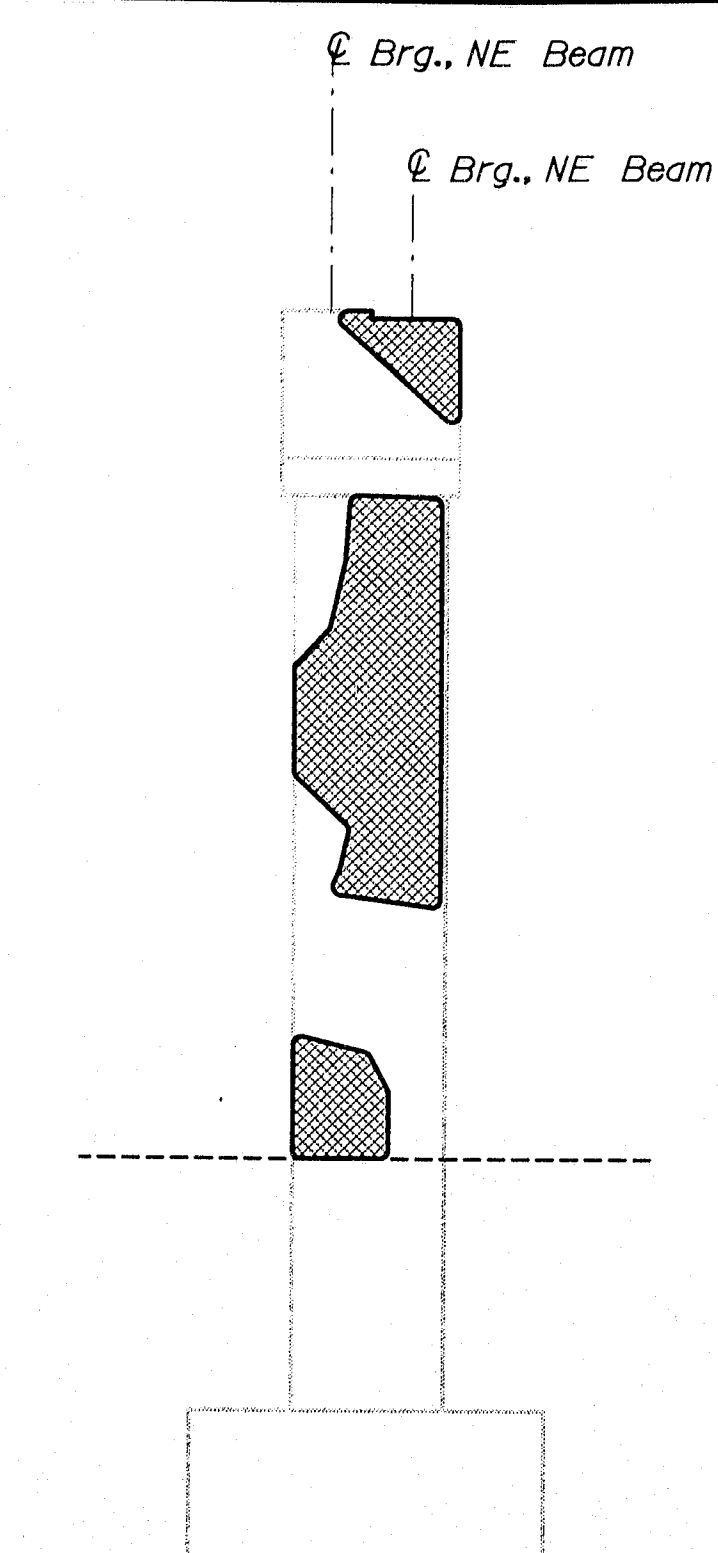


ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	158 ft²
Repair of Upward Facing Surfaces	28 ft²
Repair of Overhead Surfaces	44 ft²
Total =	230 ft²

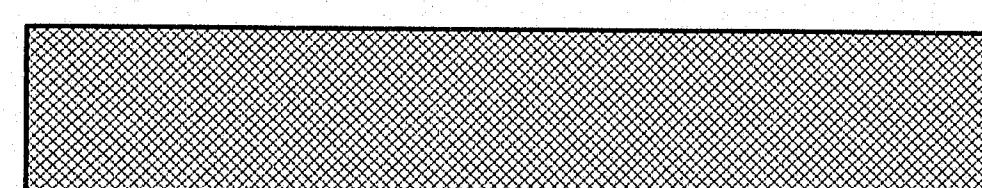
KEY
 - Estimated areas for Concrete Repair
 - This Symbol Marks ϕ of Bearings.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
IM-95-8695(100)E		BRIDGE NO. NB-5815, SB-1457	
PIN 8695.10		BRIDGE PLANS	
WATERVILLE		KENNEBEC	
I-95 NB & SB MAIN ST.		ESTIMATED REPAIR AREA	
PIER No. 1 SB MAIN ST.		SHEET NUMBER	
141-470		36	
		OF 37	

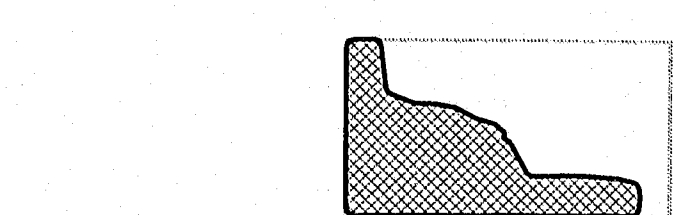
Filename: ... \MSTA\037_Pier_2_SB_Main St.dgn Division: BRIDGE Username: david.sullivan Date: 1/17/2006



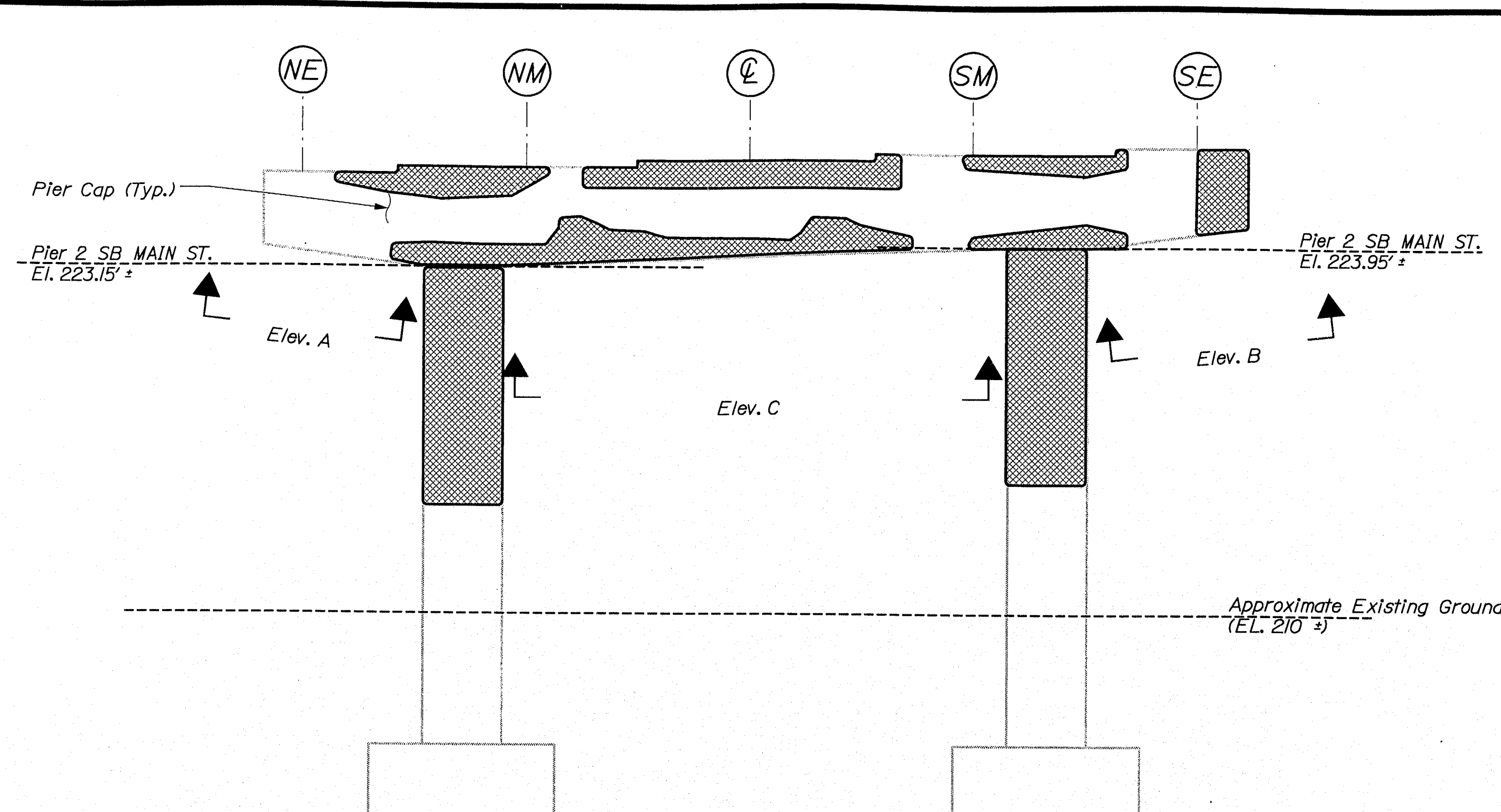
PIER 2 ~ SB MAIN ST.
NORTH ELEVATION



ELEV. C PIER 2 ~ SB MAIN ST.
CAP BOTTOM PLAN



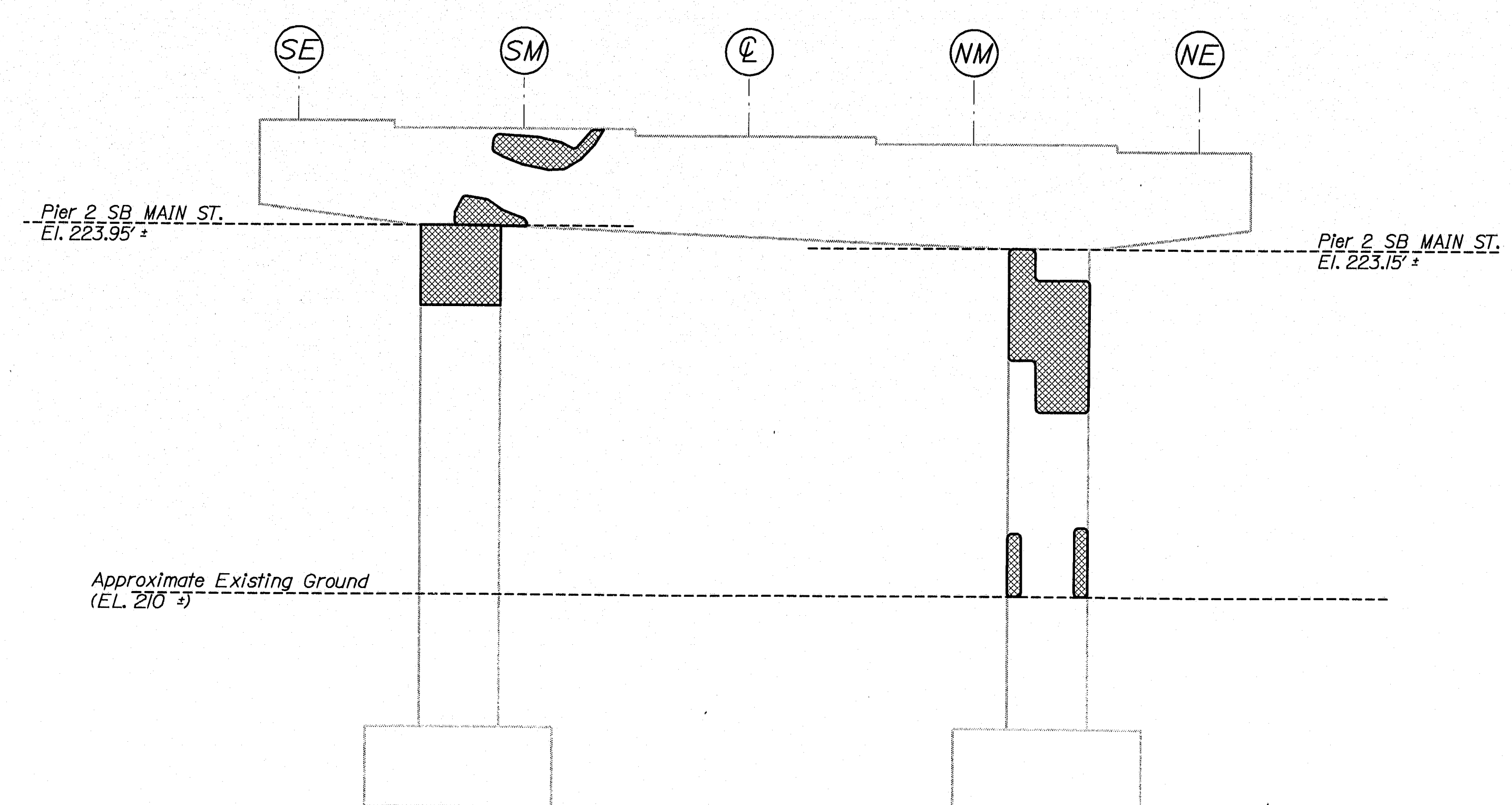
ELEV. A PIER 2 ~ SB MAIN ST.
NORTH PIER CAP UNDERSIDE



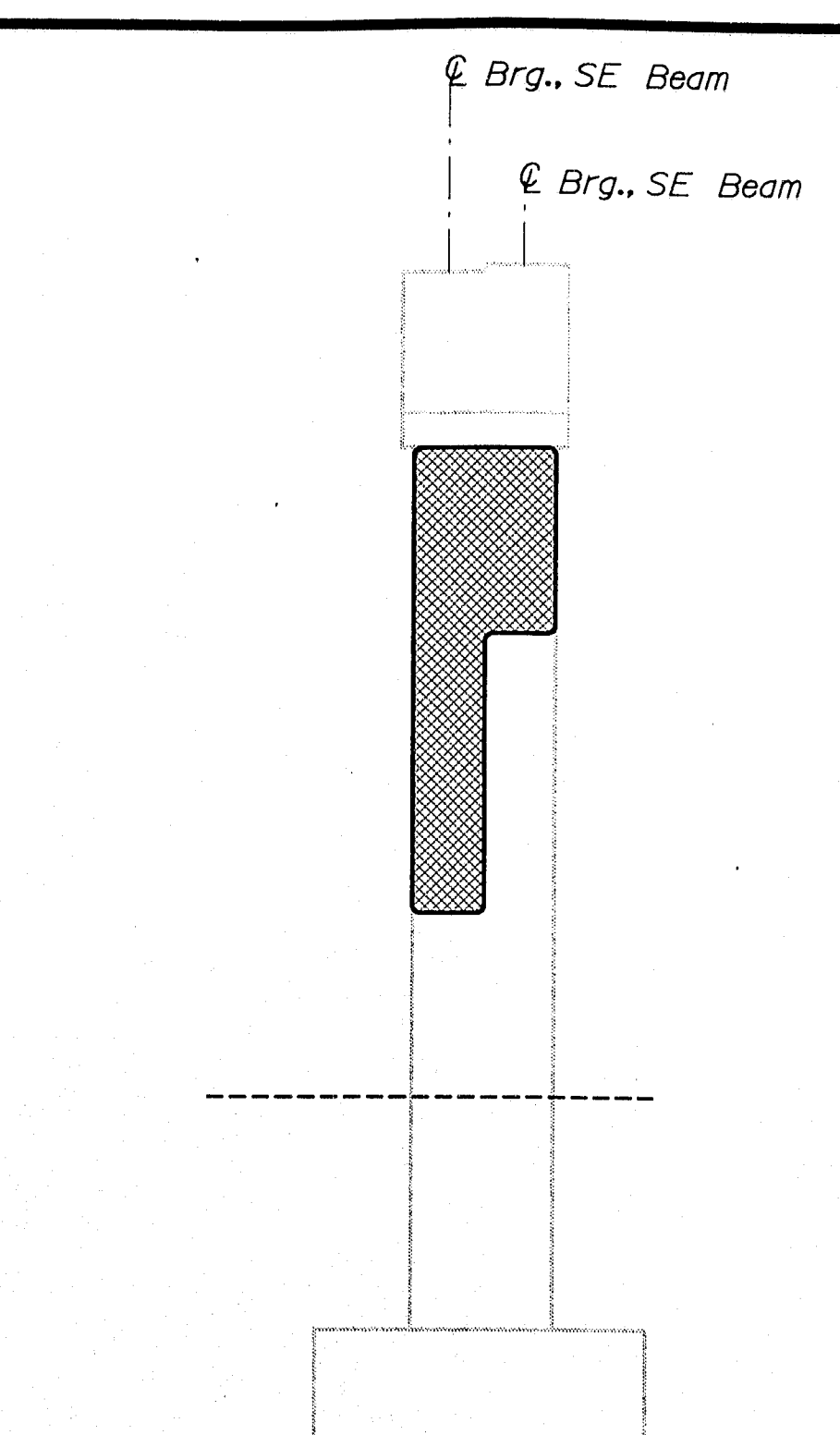
PIER 2 ~ SB MAIN ST.
WEST ELEVATION



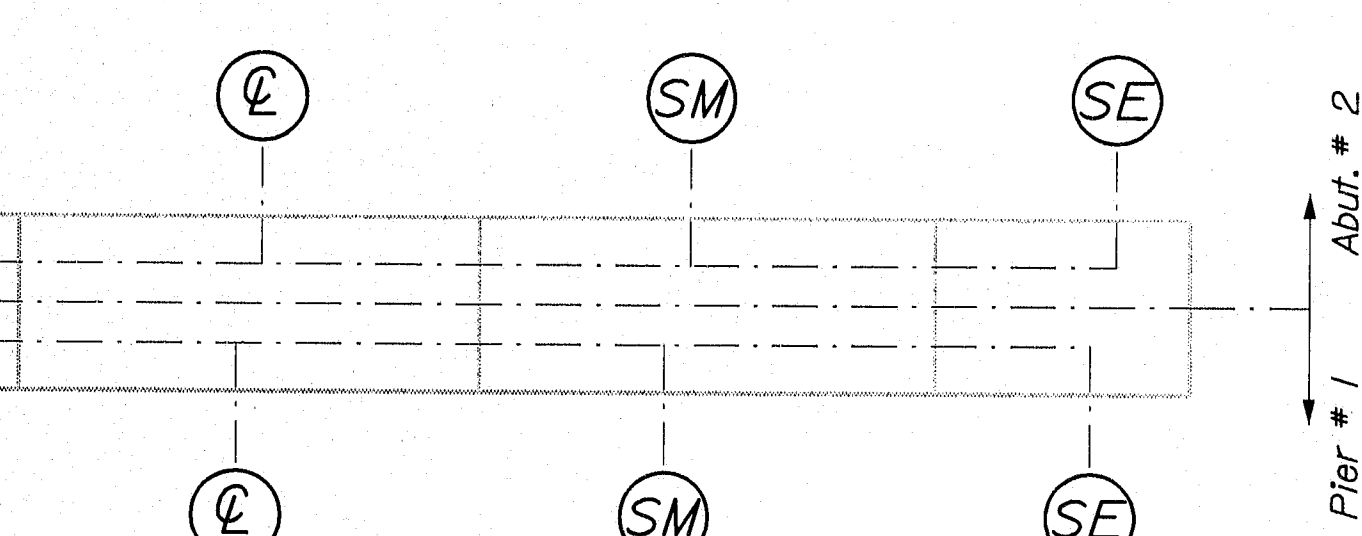
PIER 2 ~ SB MAIN ST.
CAP TOP PLAN
Bearing Seat Plan



PIER 2 ~ SB MAIN ST.
EAST ELEVATION



PIER 2 ~ SB MAIN ST.
SOUTH ELEVATION



PIER 2 ~ SB MAIN ST.
CAP TOP PLAN
Bearing Seat Plan

ELEV. B PIER 2 ~ SB MAIN ST.
SOUTH PIER CAP UNDERSIDE

ESTIMATED AREAS OF CONCRETE REPAIR	
Repair of Vertical Surfaces	218 ft ²
Repair of Upward Facing Surfaces	33 ft ²
Repair of Overhead Surfaces	78 ft ²
Total =	329 ft ²

KEY
- Estimated areas for Concrete Repair
- This Symbol Marks \odot of Bearings.

141-471

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		IM-95-8695(100)E		BRIDGE PLANS	
I-95 NB & SB MAIN ST.		KENNEBEC		PIN 8695.10	
WATERVILLE		ESTIMATED REPAIR AREA		BRIDGE NO. NB-5818, SB-1457	
		PIER No. 2 SB MAIN ST.			
SHEET NUMBER		37			
				OF 37	