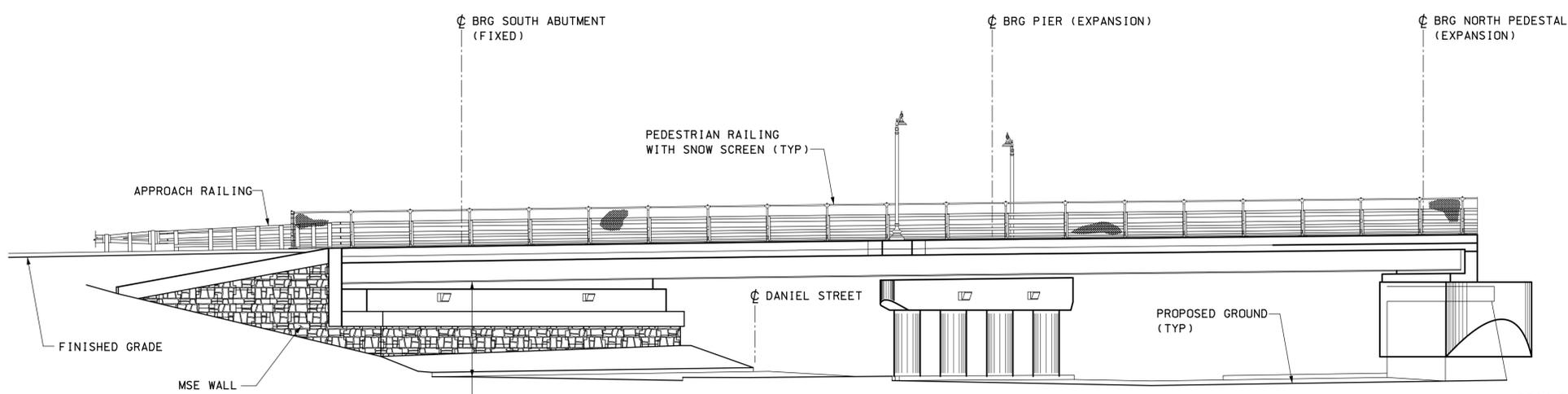


US RTE 1 NORTHBOUND CURVE NO.1	US RTE 1 SOUTHBOUND CURVE NO.2	DANIEL STREET CURVE NO.3	DANIEL STREET CURVE NO.4
PI = 43+78.58	PI = 63+77.90	PI = 103+59.53	PI = 104+43.58
N = 211992.53	N = 211956.75	N = 211863.99	N = 211956.45
E = 1228326.39	E = 1228317.14	E = 1228344.78	E = 1228347.47
Δ = 26°44'48.17"	Δ = 69°31'40.26"	Δ = 57°32'04.93"	Δ = 32°03'06.61"
D = 13°10'17.19"	D = 27°17'01.33"	D = 63°39'43.11"	D = 38°11'49.87"
R = 435.00'	R = 210.00'	R = 90.00'	R = 150.00'
T = 103.41'	T = 145.75'	T = 49.41'	T = 43.08'
L = 203.06'	L = 254.83'	L = 90.37'	L = 83.91'
E = 12.12'	E = 45.62'	E = 12.67'	E = 6.06'

DANIEL STREET CURVE NO.5	DANIEL STREET CURVE NO.6	US ROUTE 1 CURVE NO.7
PI = 105+88.96	PI = 108+04.23	PI = 24+13.58
N = 212083.82	N = 211957.57	N = 212027.39
E = 1228272.80	E = 1228061.74	E = 1228335.39
Δ = 90°30'11.93"	Δ = 12°24'22.47"	Δ = 27°16'39.38"
D = 81°51'04.00"	D = 4°58'56.07"	D = 19°05'54.93"
R = 70.00'	R = 1150.00'	R = 300.00'
T = 70.61'	T = 124.99'	T = 72.79'
L = 110.57'	L = 249.00'	L = 142.82'
E = 29.43'	E = 6.77'	E = 8.70'

**PLAN**  
SCALE: 1" = 10'

**NOTES:**  
1. LOCATION OF ROADWAY LIGHTING TO BE DETERMINED IN 80% SUBMISSION.



**EAST ELEVATION**  
SCALE: 1" = 10'

NOTE:  
PROPOSED FENCE BEHIND SIDEWALK ON HIGHWAY APPROACH NOT SHOWN FOR CLARITY.

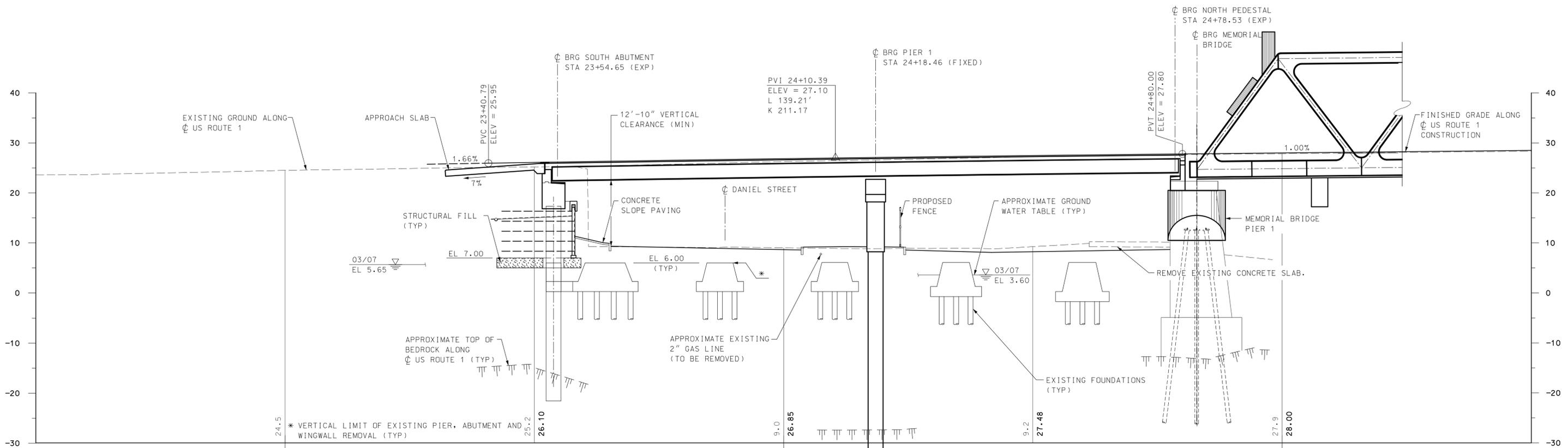
50% SUBMISSION  
DECEMBER 19, 2011

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN			
TOWN	PORTSMOUTH	BRIDGE NO.	246/083
STATE PROJECT	13678F		
LOCATION U.S. ROUTE 1 OVER DANIEL STREET (SCOTT AVENUE BRIDGE)			
GENERAL PLAN AND ELEVATION			
REVISIONS AFTER PROPOSAL	BY	DATE	FILE NUMBER
DESIGNED	JKC	12/11	107-1-1
DRAWN	RJT	12/11	
QUANTITIES	MTB	12/11	
ISSUE DATE		FEDERAL PROJECT NO.	SHEET NO.
REV. DATE			TOTAL SHEETS

**ARCHER WESTERN CONTRACTORS**

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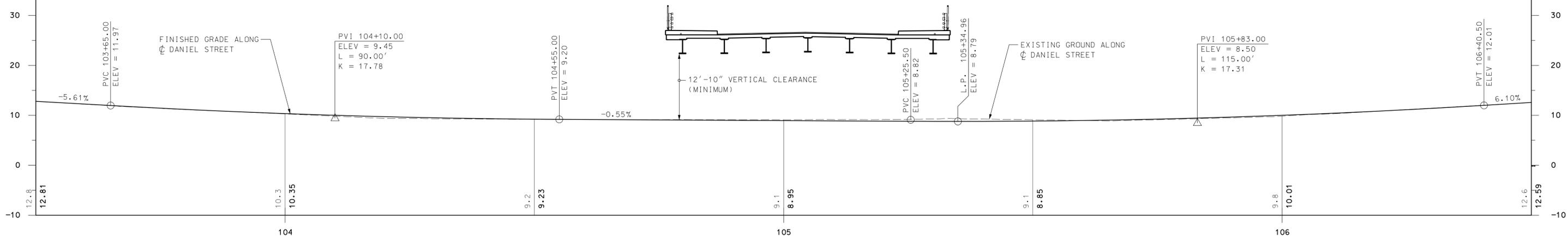
SUBDIRECTORY	DGN LOCATOR	SHEET SCALE
BrSite	13678F - B142	1" = 10'-0"



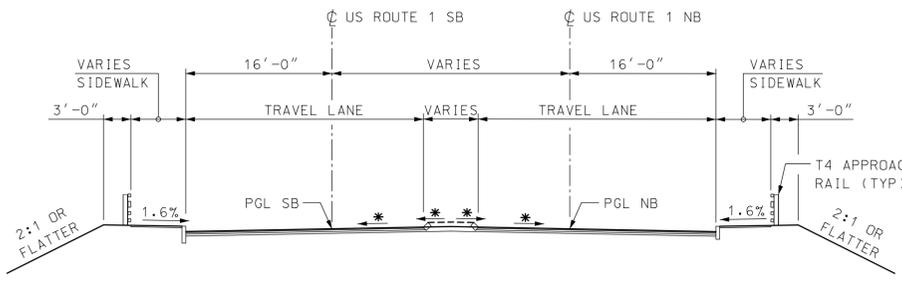
**NOTES**

1. GENERATOR NOT SHOWN FOR CLARITY.
2. EXISTING AND PROPOSED DRAINAGE NOT SHOWN FOR CLARITY.
3. EXISTING AND PROPOSED UTILITIES NOT SHOWN FOR CLARITY.

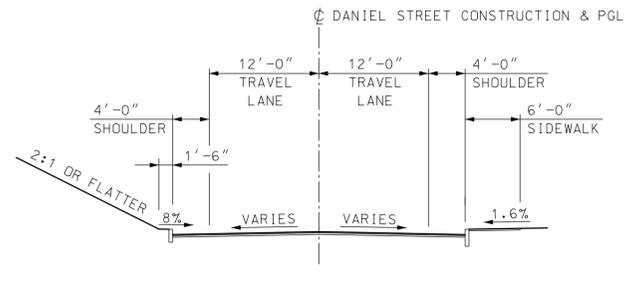
**US ROUTE 1 PROFILE**  
SCALE: 1" = 10'



**DANIEL STREET PROFILE**  
SCALE: 1" = 10'



**US ROUTE 1 APPROACH SECTION (NH SIDE)**  
SCALE: 1" = 10'



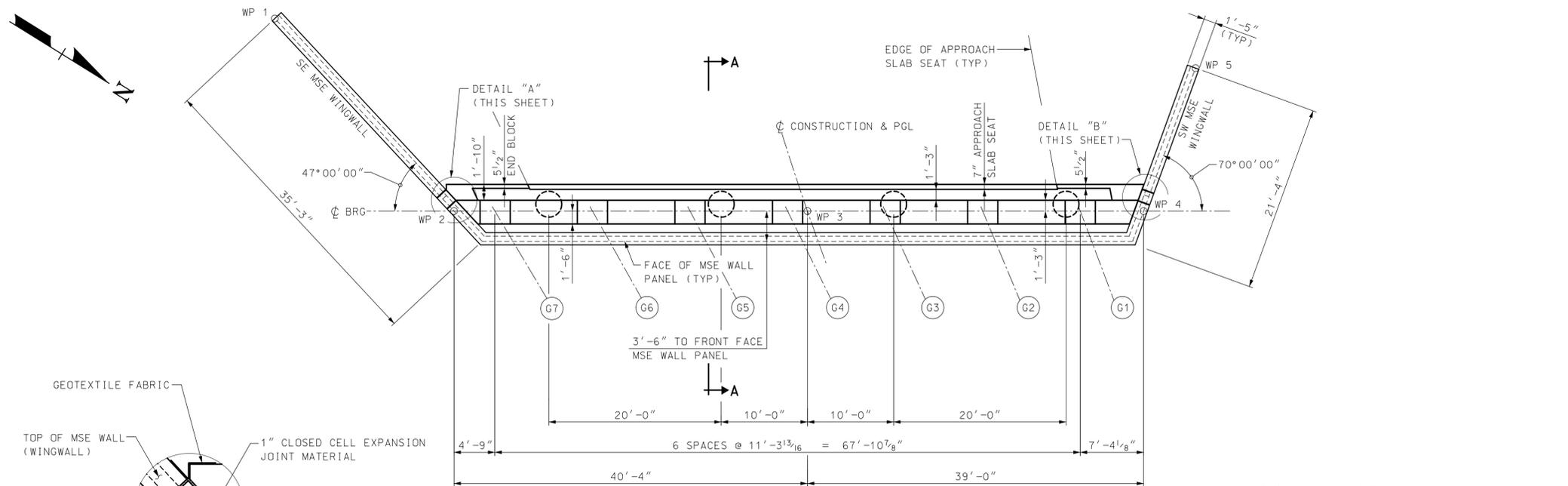
**DANIEL STREET APPROACH SECTION (SOUTH OF BRIDGE)**  
SCALE: 1" = 10'

50% SUBMISSION  
DECEMBER 19, 2011

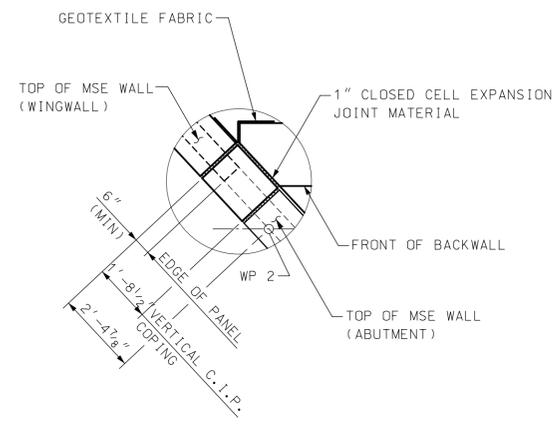


STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN									
TOWN	PORTSMOUTH			BRIDGE NO.	246/083		STATE PROJECT	13678F	
LOCATION U.S. ROUTE 1 OVER DANIEL STREET (SCOTT AVENUE BRIDGE)									
ROADWAY PROFILES AND SECTIONS									
REVISIONS AFTER PROPOSAL		BY	DATE	BY	DATE	BRIDGE SHEET			
		DESIGNED	JKC	12/11	CHECKED	MTB	12/11	B145 OF .	
		DRAWN	RJT	12/11	CHECKED	JKC	12/11	FILE NUMBER	
		QUANTITIES	MTB	12/11	CHECKED	AT	12/11	107-1-1	
ISSUE DATE		FEDERAL PROJECT NO.			SHEET NO.		TOTAL SHEETS		
REV. DATE									
SUBDIRECTORY	DGN LOCATOR	SHEET SCALE							
BrSite	13678F - B145	1" = 10'-0"							

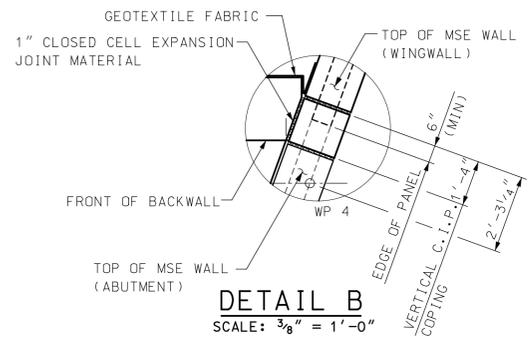
NOTE:  
ROADWAY BOX NOT SHOWN.  
SEE ROADWAY PLANS



**PLAN**  
SCALE: 1/8" = 1'-0"

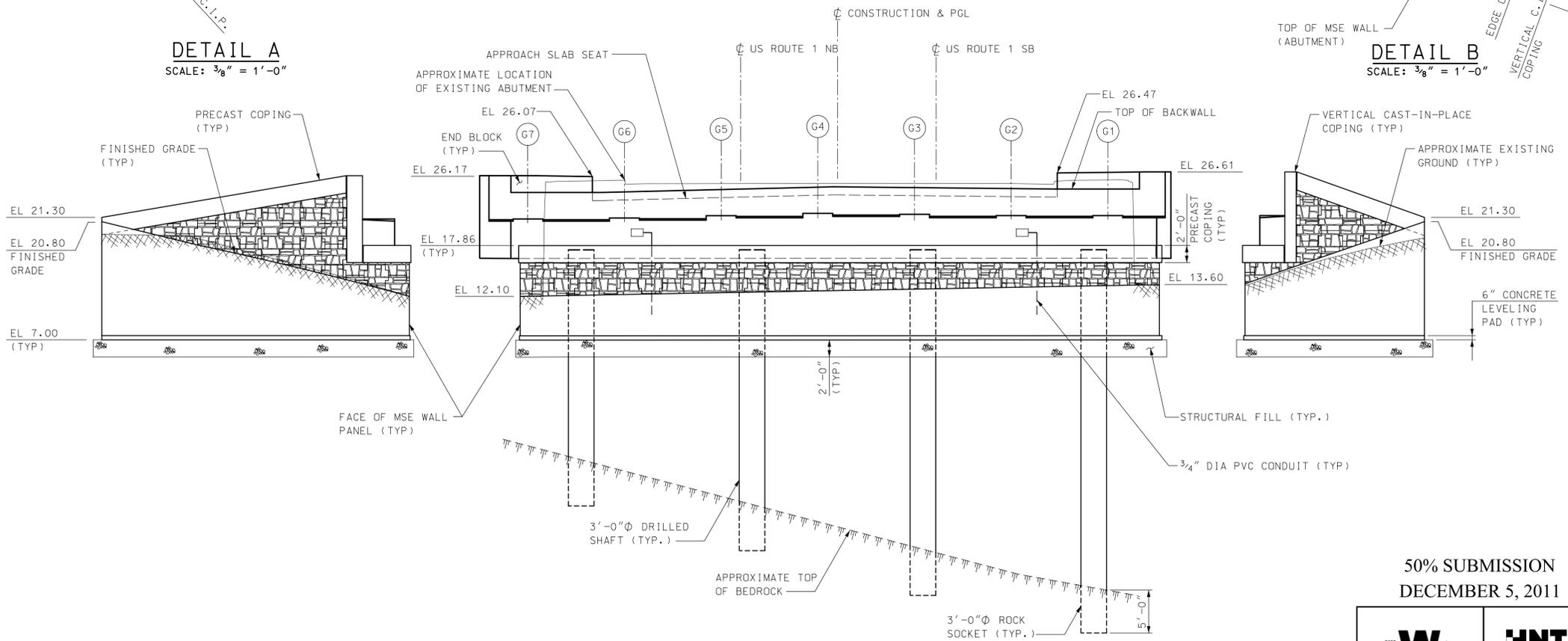


**DETAIL A**  
SCALE: 3/8" = 1'-0"



**DETAIL B**  
SCALE: 3/8" = 1'-0"

**NOTES:**  
1. SEE SHEET B155 FOR SECTION A-A.



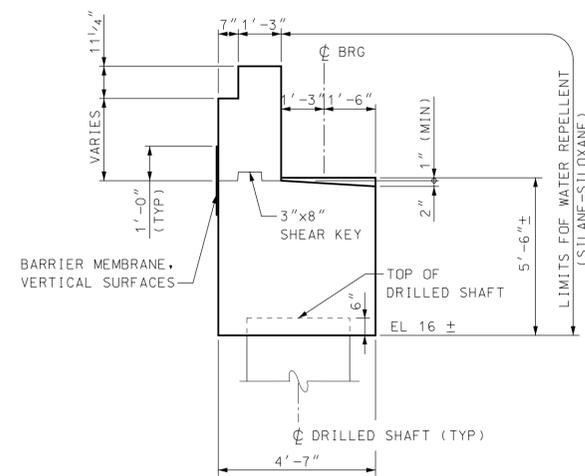
**ELEVATION**  
SCALE: 1/8" = 1'-0"

50% SUBMISSION  
DECEMBER 5, 2011

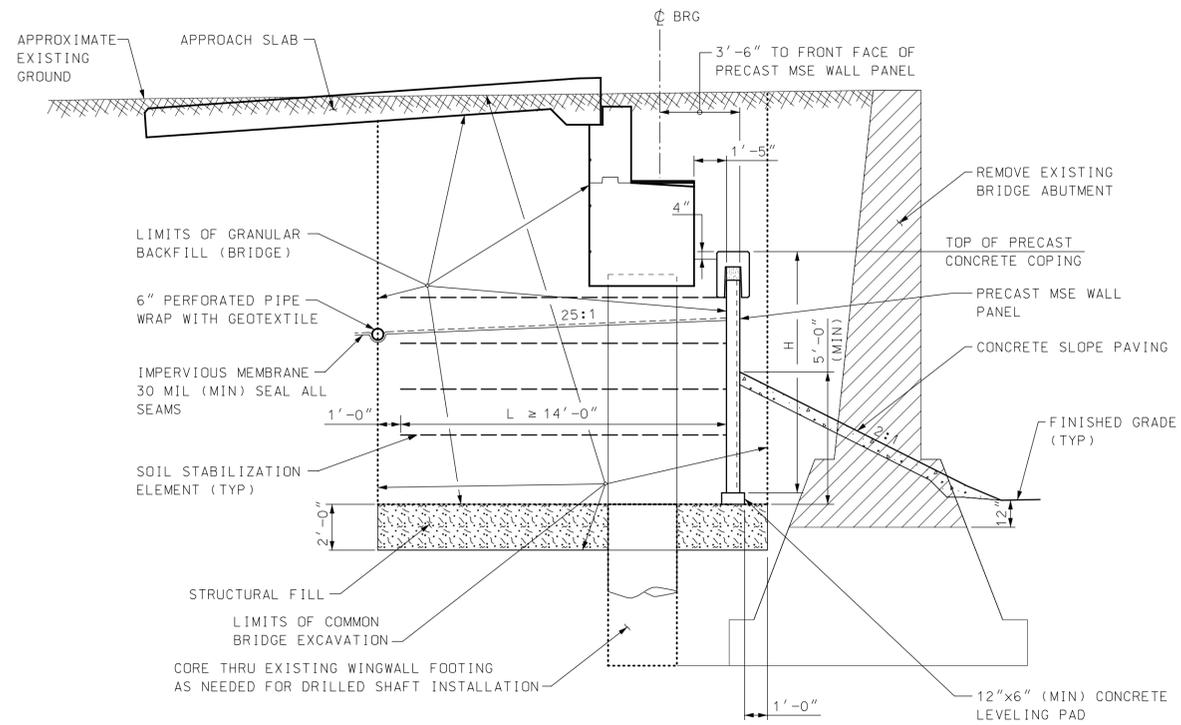
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Engineers Architects Planners

STATE OF NEW HAMPSHIRE										
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN										
TOWN	PORTSMOUTH	BRIDGE NO.	246/083	STATE PROJECT	13678F					
LOCATION U.S. ROUTE 1 OVER DANIEL STREET (SCOTT AVENUE BRIDGE)										
<b>ABUTMENT PLAN AND ELEVATION</b>										
REVISIONS AFTER PROPOSAL		BY	DATE	CHECKED	BY	DATE	BRIDGE SHEET			
		DESIGNED	JKC	11/11	CHECKED	MTB	11/11	B154 OF .		
		DRAWN	RJT	11/11	CHECKED	JKC	12/11	FILE NUMBER		
		QUANTITIES	MTB	11/11	CHECKED	AT	12/11	107-1-1		
ISSUE DATE		FEDERAL PROJECT NO.		SHEET NO.		TOTAL SHEETS				
REV. DATE										
SUBDIRECTORY	.DGN LOCATOR	SHEET SCALE								
AbutA	13678F - B154	AS NOTED								



**TYPICAL ABUTMENT SECTION**  
SCALE: 3/8" = 1'-0"



**SECTION A-A**  
SCALE: 1/4" = 1'-0"

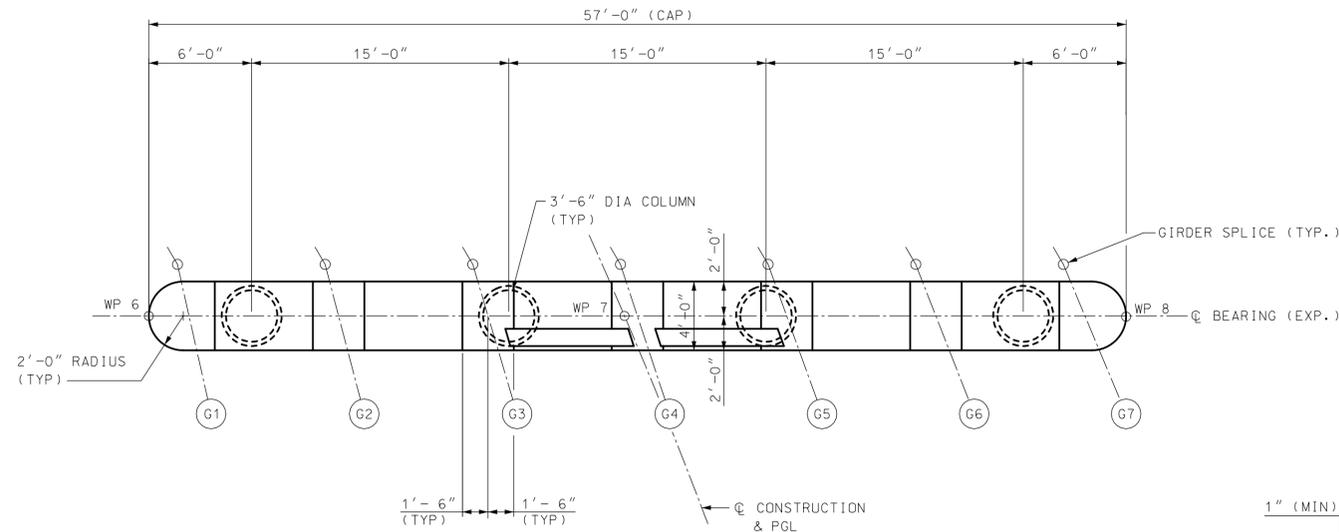
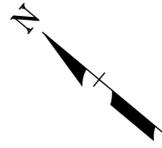
50% SUBMISSION  
DECEMBER 5, 2011



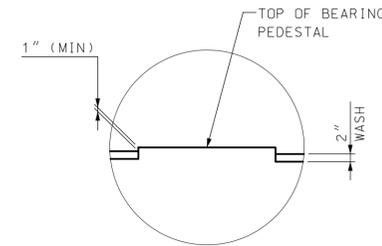
HNTB Corporation  
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STATE OF NEW HAMPSHIRE									
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN									
TOWN	PORTSMOUTH	BRIDGE NO.	246/083	STATE PROJECT	13678F	BRIDGE SHEET			
LOCATION U.S. ROUTE 1 OVER DANIEL STREET (SCOTT AVENUE BRIDGE)						B155 OF .			
ABUTMENT SECTIONS & DETAILS									
REVISIONS AFTER PROPOSAL		BY	DATE	CHECKED	BY	DATE	FILE NUMBER		
		DESIGNED	JKC	11/11	CHECKED	MTB	11/11	107-1-1	
		DRAWN	RJT	11/11	CHECKED	JKC	12/11		
		QUANTITIES	MTB	11/11	CHECKED	AT	12/11		
		ISSUE DATE		FEDERAL PROJECT NO.		SHEET NO.		TOTAL SHEETS	
		REV. DATE							

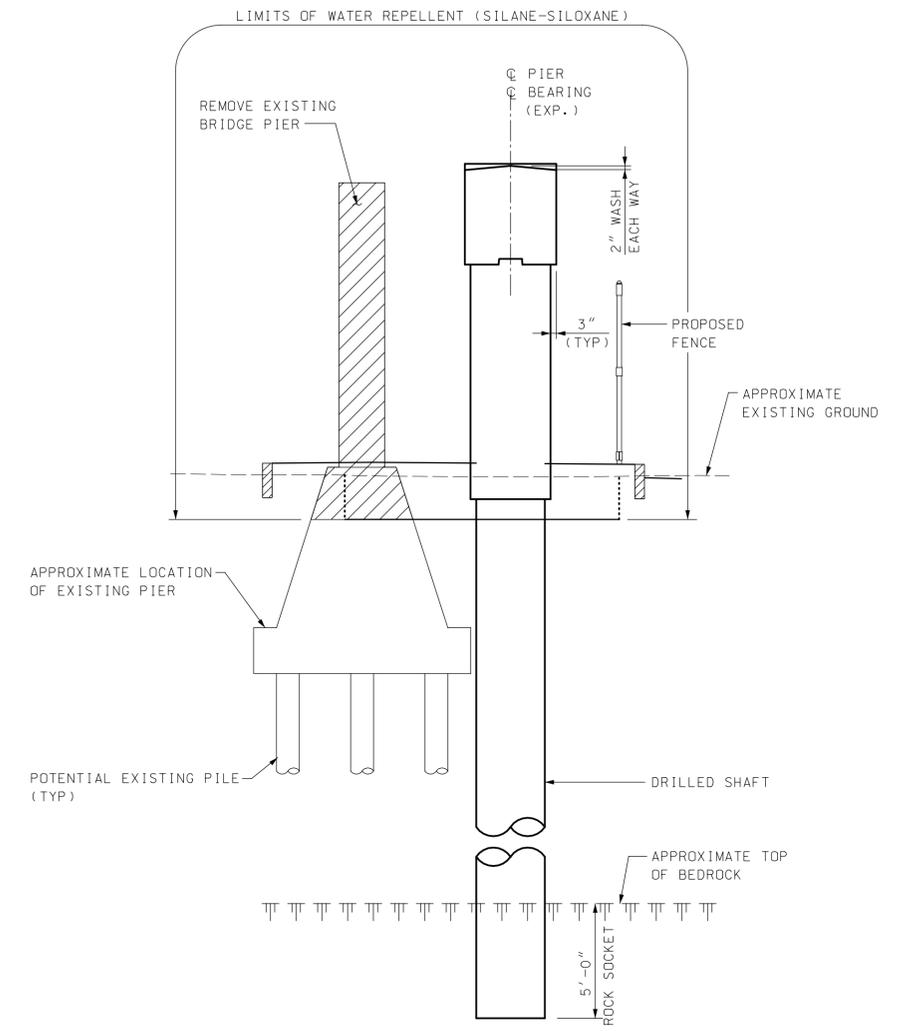
SUBDIRECTORY	DGN LOCATOR	SHEET SCALE
AbutA	13678F - B155	AS NOTED



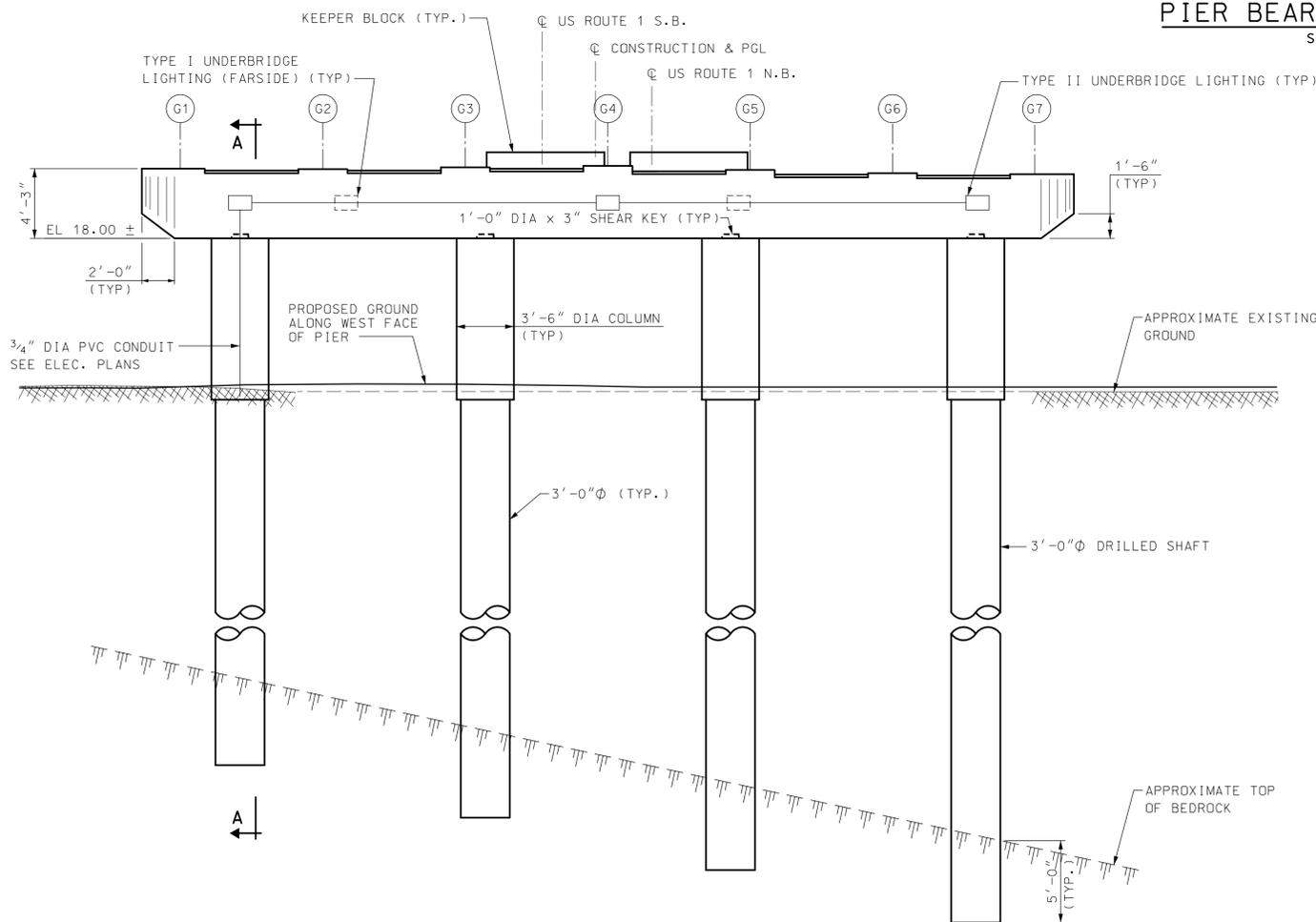
**PLAN**  
SCALE:  $\frac{3}{16}'' = 1'-0''$



**PIER BEARING PEDESTAL DETAIL**  
SCALE:  $\frac{1}{2}'' = 1'-0''$



**PIER SECTION A-A**  
SCALE:  $\frac{1}{4}'' = 1'-0''$



**ELEVATION**  
(LOOKING EAST FROM DANIEL STREET)  
SCALE:  $\frac{3}{16}'' = 1'-0''$

**NOTES:**

- ELEVATIONS ARE BASED ON 2008 REHABILITATION PLANS AND ARE SUBJECT TO CHANGE.
- EXISTING PILES NOT SHOWN IN ELEVATION VIEW FOR CLARITY.

50% SUBMISSION  
DECEMBER 5, 2011



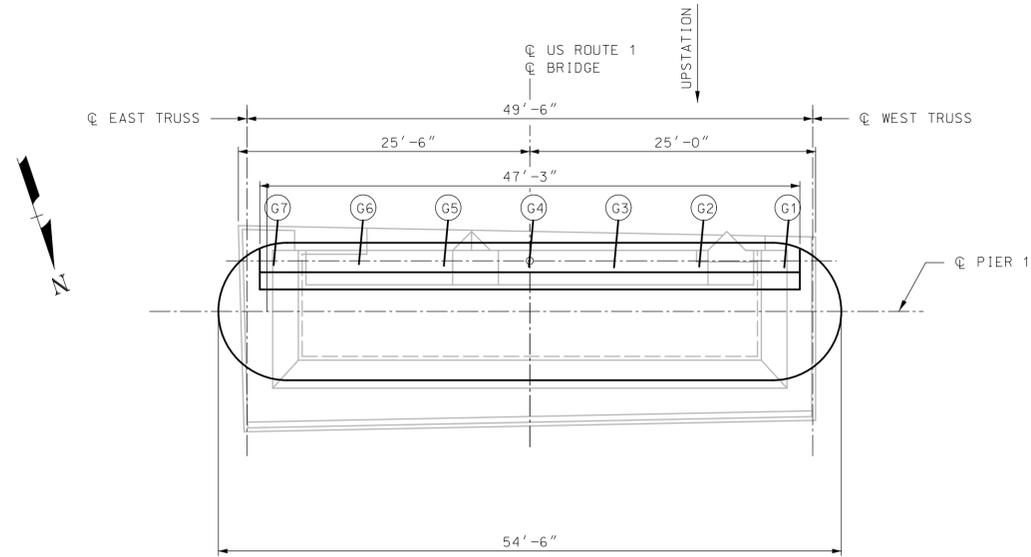
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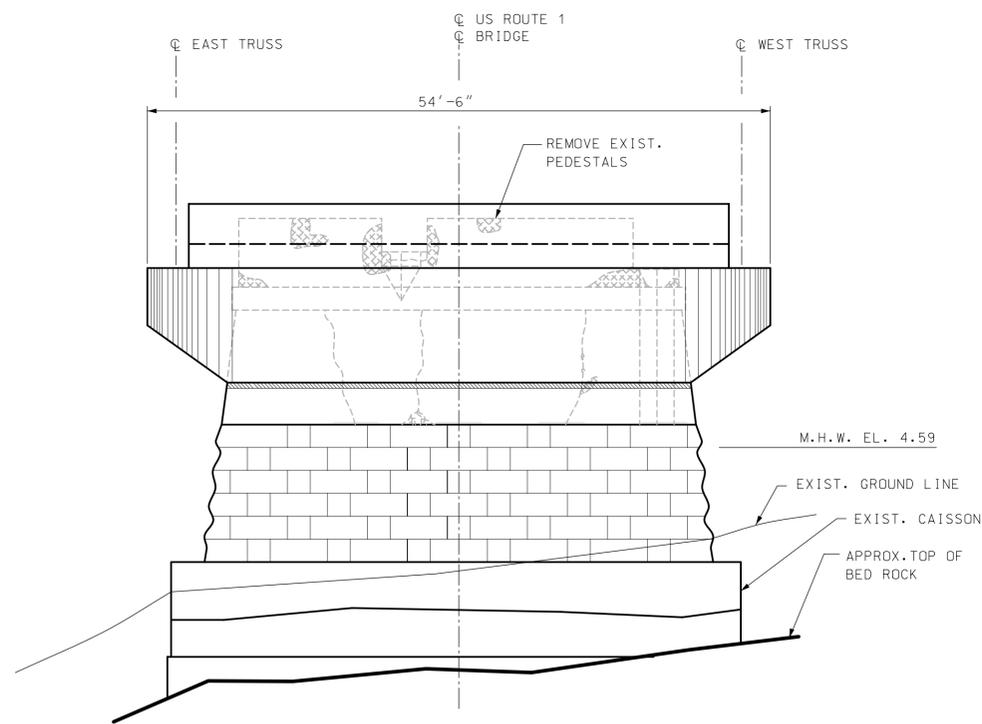
STATE OF NEW HAMPSHIRE									
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN									
TOWN	PORTSMOUTH	BRIDGE NO.	246/083	STATE PROJECT	13678F	BRIDGE SHEET			
LOCATION U.S. ROUTE 1 OVER DANIEL STREET (SCOTT AVENUE BRIDGE)						FILE NUMBER			
PIER PLAN, ELEVATION & CROSS SECTION									
REVISIONS AFTER PROPOSAL		BY	DATE	CHECKED	BY	DATE	TOTAL SHEETS		
		DESIGNED	JKC	11/11	CHECKED	MTB	11/11	B159 of .	
		DRAWN	RJT	11/11	CHECKED	JKC	12/11	FILE NUMBER	
		QUANTITIES	MTB	11/11	CHECKED	AT	12/11	107-1-1	
ISSUE DATE		FEDERAL PROJECT NO.			SHEET NO.		TOTAL SHEETS		
REV. DATE									

SUBDIRECTORY	DGN LOCATOR	SHEET SCALE
Pier	13678F - B159	AS NOTED



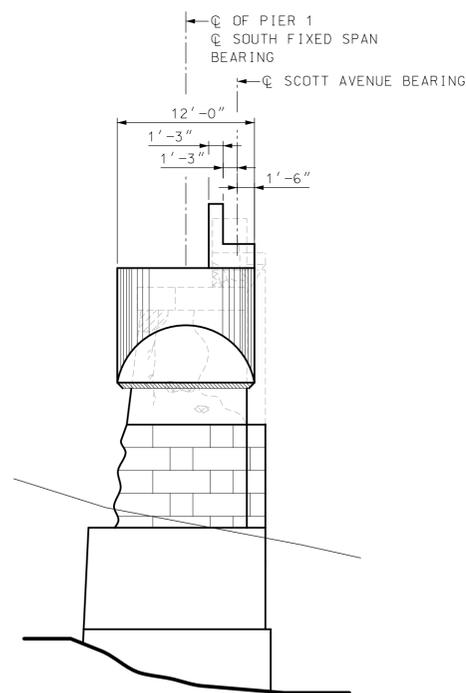
**PIER 1 - PLAN**

1/8" = 1'-0"



**PIER 1 - SOUTH ELEVATION**

1/8" = 1'-0"



**PIER 1 - WEST END ELEVATION**

1/8" = 1'-0"

**NOTES:**

1. SEE MEMORIAL BRIDGE PLANS FOR ADDITIONAL INFORMATION.

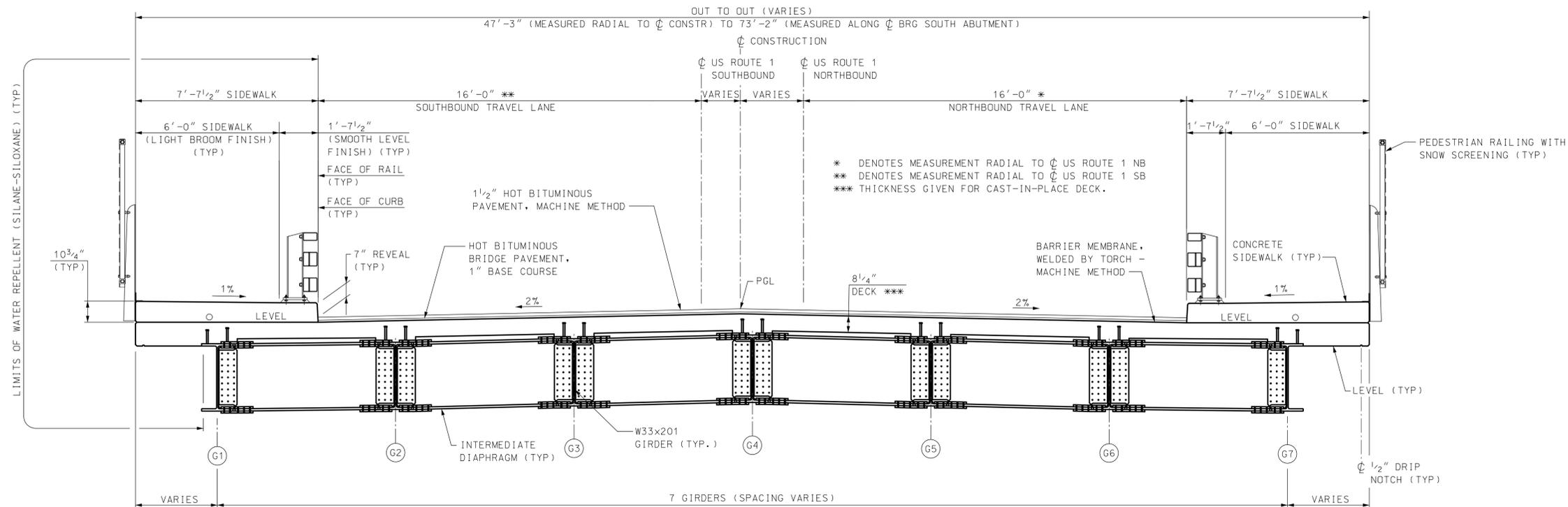
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DECEMBER 5, 2011



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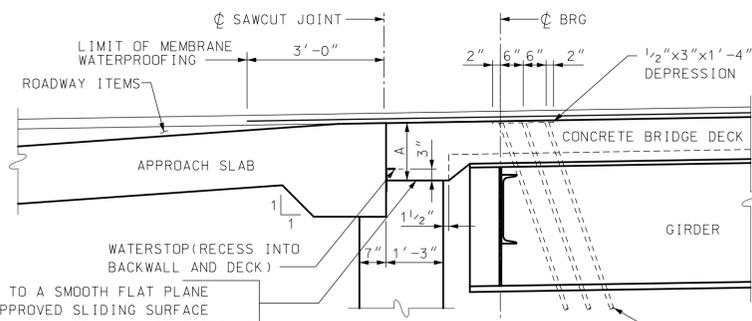
STATE OF NEW HAMPSHIRE									
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN									
TOWN	PORTSMOUTH	BRIDGE NO.	246/083	STATE PROJECT	13678F	BRIDGE SHEET			
LOCATION U.S. ROUTE 1 OVER DANIEL STREET (SCOTT AVENUE BRIDGE)						B161 OF .			
<b>PEDESTAL PLAN &amp; ELEVATION AT PIER 1</b>									
REVISIONS AFTER PROPOSAL		BY	DATE	CHECKED	BY	DATE	FILE NUMBER		
		DESIGNED	JKC	11/11	CHECKED	MTB	11/11	107-1-1	
		DRAWN	RJT	11/11	CHECKED	JKC	12/11		
		QUANTITIES	MTB	11/11	CHECKED	AT	12/11		
		ISSUE DATE	FEDERAL PROJECT NO.		SHEET NO.		TOTAL SHEETS		
		REV. DATE							

SUBDIRECTORY	DGN LOCATOR	SHEET SCALE
Pier	13678F - B161	1/8" = 1'-0"



**TYPICAL DECK SECTION**

SCALE: 3/8" = 1'-0"



**SOUTH ABUTMENT DECK END DETAIL**

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

GRIND THE TOP OF BACKWALL TO A SMOOTH FLAT PLANE AND PLACE TWO LAYERS OF APPROVED SLIDING SURFACE MATERIAL. ONE LAYER 1'-4 1/2" WIDE SHALL BE EMBEDDED INTO THE DECK FOR THE ENTIRE WIDTH OF DECK. THE OTHER LAYER 1'-3" WIDE SHALL BE BONDED TO THE TOP OF BACKWALL FOR THE ENTIRE LENGTH OF DECK AND BACKWALL CONTACT AREA. MINIMUM COMPRESSIVE STRENGTH SHALL BE 9000 PSI IN BEARING. SEE NHDOT QUALIFIED PRODUCTS LIST UNDER PLASTIC BEARING STRIP SECTION 520 FOR MATERIAL AND ADHESIVE.

3 - 1" DIA PVC DRAINS (TYP BOTH CURB LINES). PROVIDE BREAKS THROUGH MEMBRANE AND SEAL WITH ASPHALT. ATTACH DRAIN PIPES TO THE BOTTOM FLANGE OF GIRDERS WITH CLIPS AND EXTEND DRAINS TO 6" MINIMUM BELOW THE BOTTOM OF STRUCTURAL STEEL. SET DRAINS TO DISCHARGE AWAY FROM GIRDERS AND THE ABUTMENT SEAT. ALL COSTS SUBSIDIARY TO ITEM 520.71026. PROVIDE AT SOUTH ABUTMENT ONLY.

50% SUBMISSION  
DECEMBER 19, 2011



STATE OF NEW HAMPSHIRE									
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN									
TOWN	PORTSMOUTH	BRIDGE NO.	246/083	STATE PROJECT	13678F	BRIDGE SHEET			
LOCATION U.S. ROUTE 1 OVER DANIEL STREET (SCOTT AVENUE BRIDGE)						B171 OF .			
<b>TYPICAL DECK SECTION</b>									
REVISIONS AFTER PROPOSAL		BY	DATE	CHECKED	BY	DATE	FILE NUMBER		
		DESIGNED	JKC	12/11	CHECKED	MTB	12/11	107-1-1	
		DRAWN	RJT	12/11	CHECKED	JKC	12/11		
		QUANTITIES	MTB	12/11	CHECKED	AT	12/11		
ISSUE DATE		FEDERAL PROJECT NO.			SHEET NO.		TOTAL SHEETS		
REV. DATE									
SUBDIRECTORY	DGN LOCATOR	SHEET SCALE							
Super	13678F - B171								