

APPENDIX G

TDCS DRAIN WELL DATA

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SUMMARY OF DRAIN WELL INSTALLATION

Twenty drain wells were drilled and installed between March 28 and May 11, 2009. Construction details for the drain wells are summarized in Table DW-1. The work performed during the installation of the drain wells included:

- Installation of a 6 inch diameter stainless steel collar casing grouted in an 8-inch diameter core hole;
- Air rotary drilling a nominal 4inch diameter hole;
- Performing borehole alignment survey after every 50 feet of drilling;
- Verification of final borehole depth based on evaluation of borehole survey results;
- Final fit-out of the well head including stainless steel flange with a 2-inch diameter ball valve in-line with the borehole center-line;
- Installing a 3-inch diameter pipe plug in the return nipple in the wall of the 6-inch casing;
- Installing final piping (using 1 inch diameter PVC) from the 2-inch valve to the tunnel gutter drain below; and
- Initial hydraulic testing.

All drain wells were drilled to design depth and left with a continuous open interval in rock from the end of the stainless steel casing (at 2.5 ft depth) to the end of the hole. The well heads were left open until the valves were installed. The valves were kept closed until the final piping was installed and the initial hydraulic testing was performed.

The initial hydraulic testing was conducted between April 22 and May 5, 2009, and included adjusting the lower valve (1 inch PVC) to restrict flow allowing the drain wells to build up a head of about 100 feet NGVD and measuring the pressure and drain well flow rate over a period of a two weeks. After the initial hydraulic testing (May 5, 2009), all installed drain well valves were closed and then re-opened on May 9, 2009, to start the hydraulic monitoring. Tables DW-2 and DW-3 provide more details on drain well flow monitoring results since May 2009.

Table DW-1 TDCS Drain Well Data

Well ID	Location Tunnel: Station	Azimuth (Grid)	Inclination Up From Horizontal	Drilled Length (ft)	Depth (ft)	Elevation (ft. NGVD)	Rock Unit	Initial Flow (gpm) 5/14/2009	Remarks
<u>TUNNEL 1</u>									
DW-101	1:0+30	340°	60°	195	0	33.3	LSHS	0.26	
					195	201.6	USHS		
DW-102	1:0+70	340°	60°	190	0	35.9	LSHS	0.02	
					190	199.0	USHS		
DW-103	1:1+20	340°	60°	176	0	36.39	LSHS	0.35	
					176	188.27	USHS		
DW-104	1:1+70	340°	60°	161	0	39.07	LSHS	0.00	(*) 2 drops/22 seconds
					161	178.55	MSHS		
DW-105	1:2+20	340°	60°	140	0	40.74	LSHS	0.57	
					140	161.55	MSHS		
DW-106	1:2+80	340°	60°	118	0	42.7	LSHS	0.08	
					118	144.81	MSHS		
					TUNNEL 1 TOTAL FLOW			1.28	
<u>TUNNEL 2</u>									
DW-201	2: 0+30	160°	60°	148	0	43.7	LSHS	0.04	
					148	173.31	MSHS		
DW-202	2: 0+80	160°	60°	146	0	44.18	LSHS	0.00	(*) 1 drop/20 seconds
					146	172.28	MSHS		
DW-203	2: 1+30	160°	60°	154	0	45.12	LSHS	0.35	
					154	179.6	MSHS		
DW-204	2: 1+80	160°	80°	126	0	46.57	LSHS	0.01	
					126	170.37	MSHS		
DW-205	2: 2+30	160°	75°	130	0	47.35	LSHS	0.38	
					130	172.55	MSHS		
DW-206	2:2+80	160°	65°	145	0	48.01	LSHS	9.38	
					145	180.66	USHS		
DW-207	2:2+85	186°	27°	300	0	46.57	LSHS	2.73	
					300	181.49	USHS		

Table DW-1 TDCS Drain Well Data

Well ID	Location Tunnel: Station	Azimuth (Grid)	Inclination Up From Horizontal	Drilled Length (ft)	Depth (ft)	Elevation (ft. NGVD)	Rock Unit	Initial Flow (gpm) 5/14/2009	Remarks
PH-1	2:2+87	220°	2°	300	0	43.25	LSHS	0.00	(*) 1 drop/1 minute
					300	53.72	LSHS		
PH-2	2:2+92	187.5°	5°	300	0	44.12	LSHS	0.00	(*) 5 milliliters/1 minute
					300	66.36	LSHS		
					TUNNEL 2 TOTAL FLOW			12.89	
TUNNEL 3									
DW-301	3:0+15	340°	60°	117	0	44.51	LSHS	4.41	
					117	145.01	MSHS		
DW-302	3:0+65	340°	60°	109	0	46.83	LSHS	0.47	
					109	141.03	LSHS		
DW-303	3:1+15	340°	60°	108	0	49.4	LSHS	8.11	
					108	143.78	LSHS		
DW-304	3:1+65	340°	60°	103	0	51.78	LSHS	0.35	
					103	140.6	LSHS		
DW-305	3:2+15	340°	60°	92	0	53.63	LSHS	2.24	
					92	133.3	LSHS		
DW-306	3:2+65	340°	60°	90	0	55.66	LSHS	2.17	
					90	133.46	LSHS		
DW-307	3:3+15	340°	60°	91	0	58.88	LSHS	0.23	
					91	137.58	LSHS		
					TUNNEL 3 TOTAL FLOW			17.98	
TOTAL FLOW FROM DRAIN WELLS AND PROBE HOLES								32.15	

TABLE DW-2 TDCS Drain Well Flow Measurement (gpm)

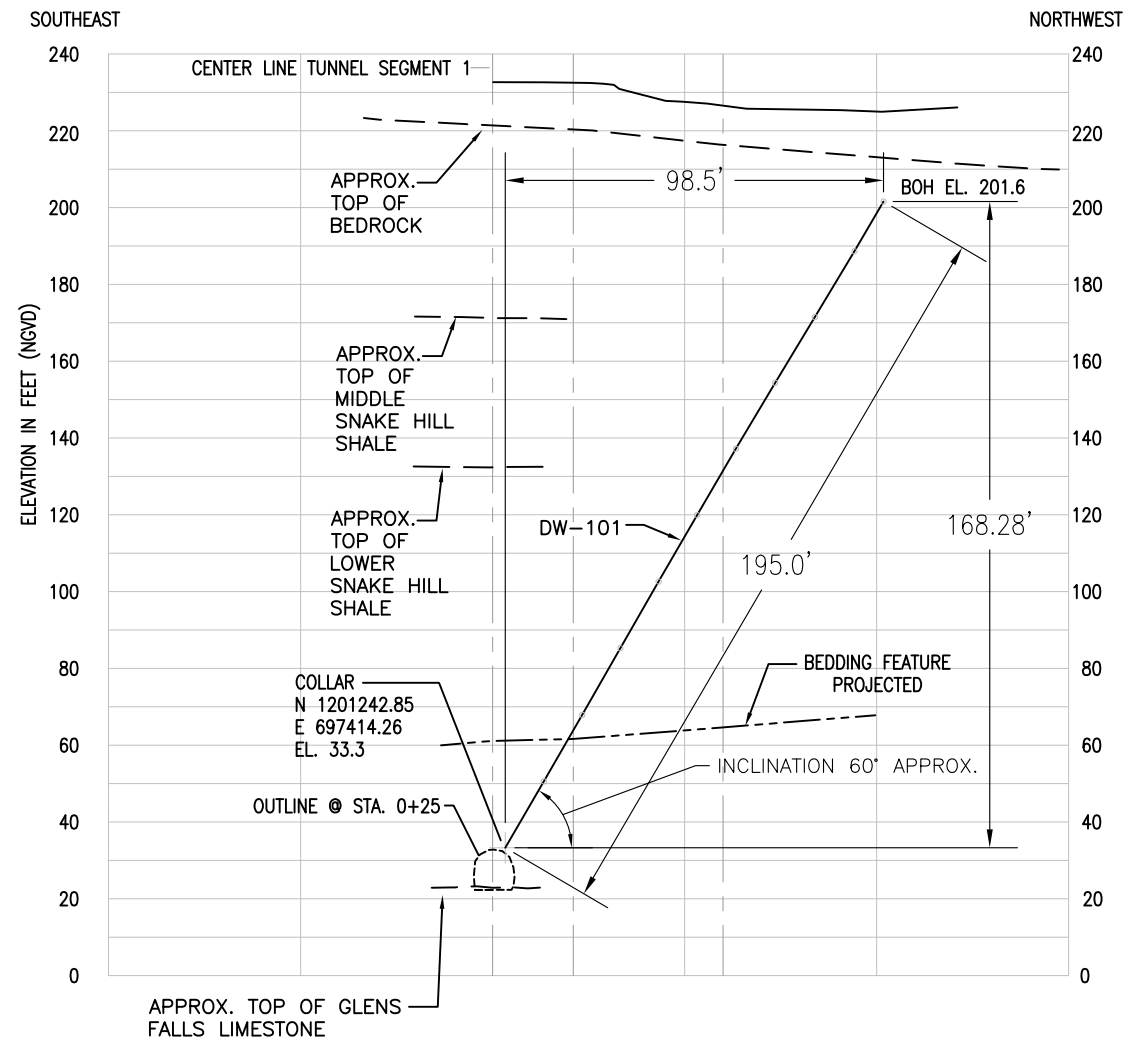
Drain Well	Test Dates							
	5/9/2009	5/11/2009	5/12/2009	5/14/2009	7/30/2009	11/2/2009	2/23/2010	9/16/2010
DW-101	4.92	0.26	0.26	0.26	0.25	0.21	0.11	0.05
DW-102	0.04	0.02	0.02	0.02	0.01	0.01	0.01	NA
DW-103	1.59	0.36	0.36	0.35	0.5	0.5	0.24	0.3
DW-104	0.00		0.00	0.00	0.00		0.00	0.00
DW-105	0.72	0.61	0.61	0.57	0.55	1.00	0.57	1.00
DW-106	0.10	0.05	0.08	0.08	0.09	0.13	0.11	0.11
DW-201	0.00	0.03	0.04	0.04	0.06	0.08	0.05	0.03
DW-202	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DW-203	0.47	0.36	0.34	0.35	0.44	0.58	0.26	0.28
DW-204		0.01	0.01	0.01	0.02	0.02	0.02	0.04
DW-205	0.57	0.40	0.38	0.38	0.29	0.33	0.22	0.25
DW-206	0.05	10.00	9.68	9.38	9.09	10.00	8.57	8.30
DW-207	NM	NM	1.74	2.73	1.95	3.50	1.33	1.10
DW-301	5.66	5.36	5.26	4.41	4.35	3.50	1.65	2.80
DW-302	0.99	0.50	0.44	0.47	0.32	0.36	0.18	0.17
DW-303	11.54	9.38	8.82	8.11	6.25	5.00	4.62	3.90
DW-304	1.98	0.72	0.66	0.35	0.36	0.48	0.34	0.41
DW-305	3.95	2.27	2.26	2.24	2.38	2.50	2.31	2.31
DW-306	4.62	2.27	2.27	2.17	2.00	2.50	2.22	1.80
DW-307	5.00	0.17	0.17	0.23	0.26	0.24	0.15	0.15

Note: 1. gpm = gallons per minute
2. NM = Not Measured
3. NA = Does Not Apply

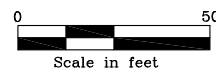
TABLE DW-3 TDCS DRAIN WELL FLOW SUMMARY

Date mm-dd-yy	Time 24 hour	Tunnel 1 Flow (gpm)	Tunnel 2 Flow (gpm)	Tunnel 3 Flow (gpm)	Total Flow (gpm)	Remarks
5/7/2009	10:48		0.0	0.0	0.0	
5/9/2009	8:32		0.0	0.0	0.0	
5/9/2009	14:50	7.36	1.3	33.7	42.4	Open All Drain Wells
5/11/2009	8:00	1.31	10.8	20.7	32.7	All Wells Open
5/12/2009	14:38	1.34	12.2	19.9	33.4	All Wells Open
5/14/2009	10:36	1.27	12.8	18.0	32.1	All Wells Open
7/30/2009	10:15	1.39	11.9	15.9	29.2	All Wells Open
11/2/2009	10:03	1.85	14.5	14.6	30.9	All Wells Open
2/23/2010	11:18	1.03	10.6	11.5	23.1	All Wells Open
9/16/2010	9:40	1.46	10.0	11.5	23.0	All Wells Open

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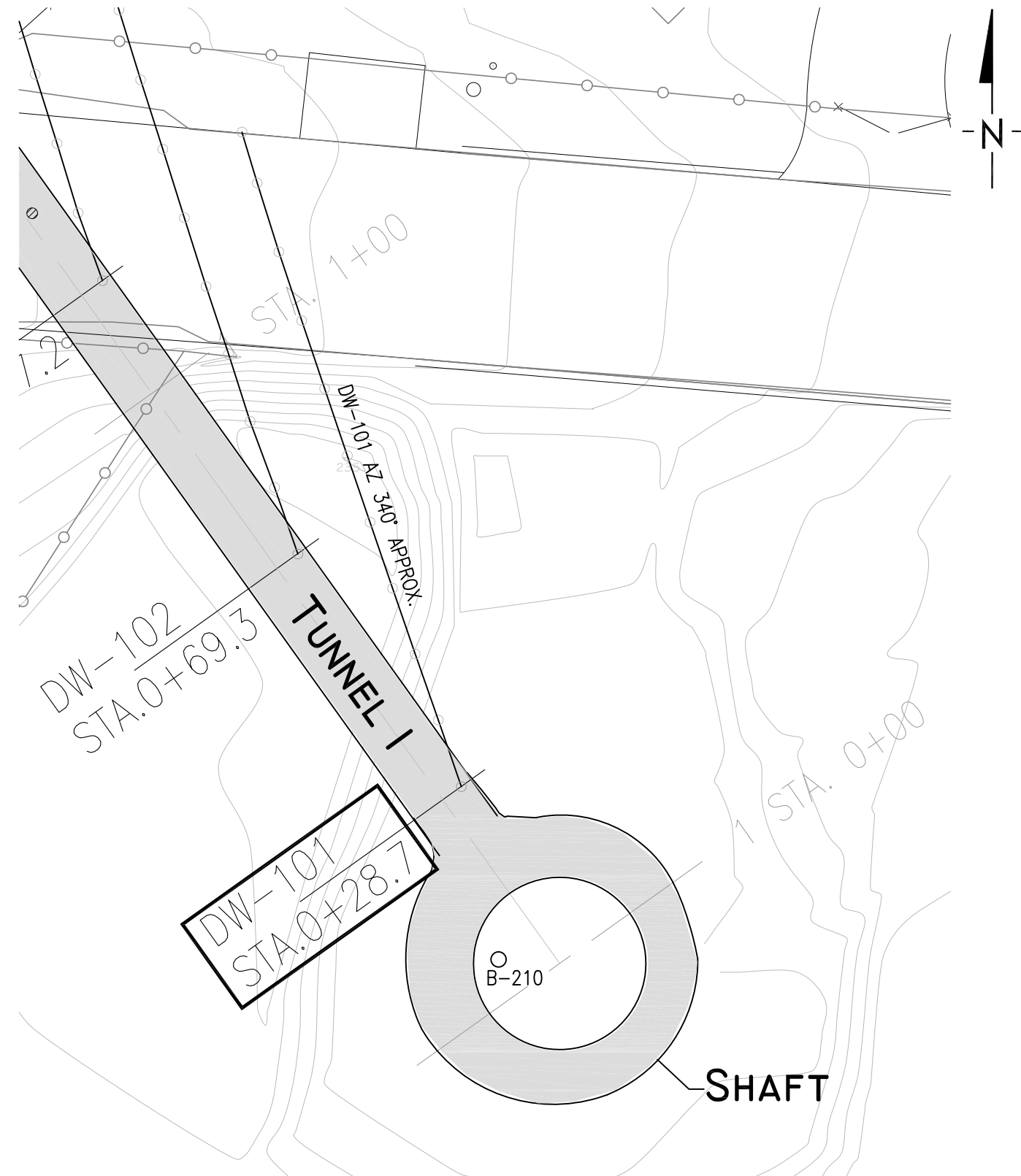


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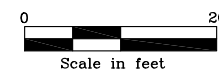


NOTE:

- DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
- DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
- WATER IN FLOW RATE: 3 GPM AT END OF DRILLING (5/4/09)

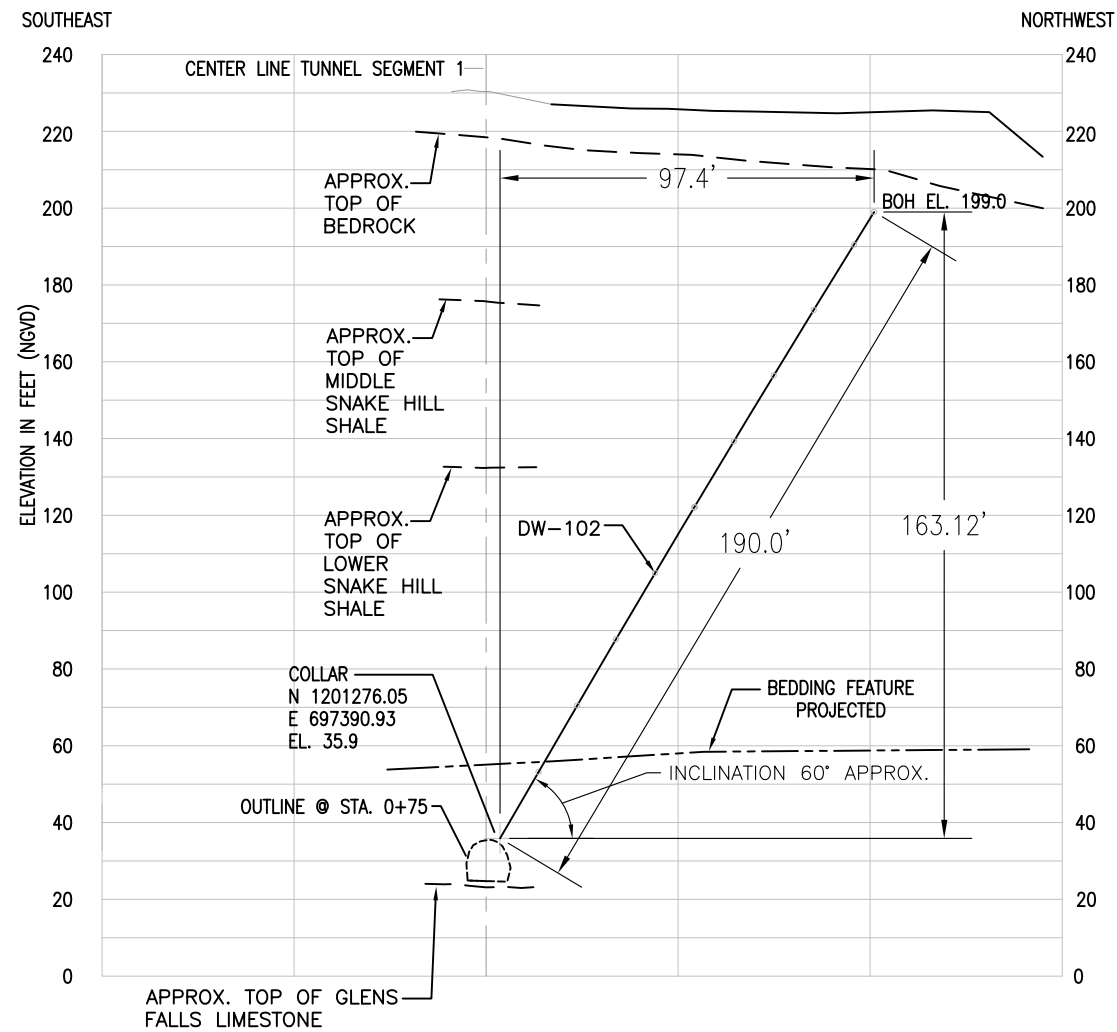


PLAN VIEW

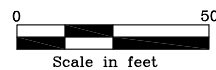


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LOCATION:		GE HUDSON FALLS, NEW YORK	
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	DRAFTED	RMK	
	PROJECT#	117-2204	
	DATE	APRIL 2011	

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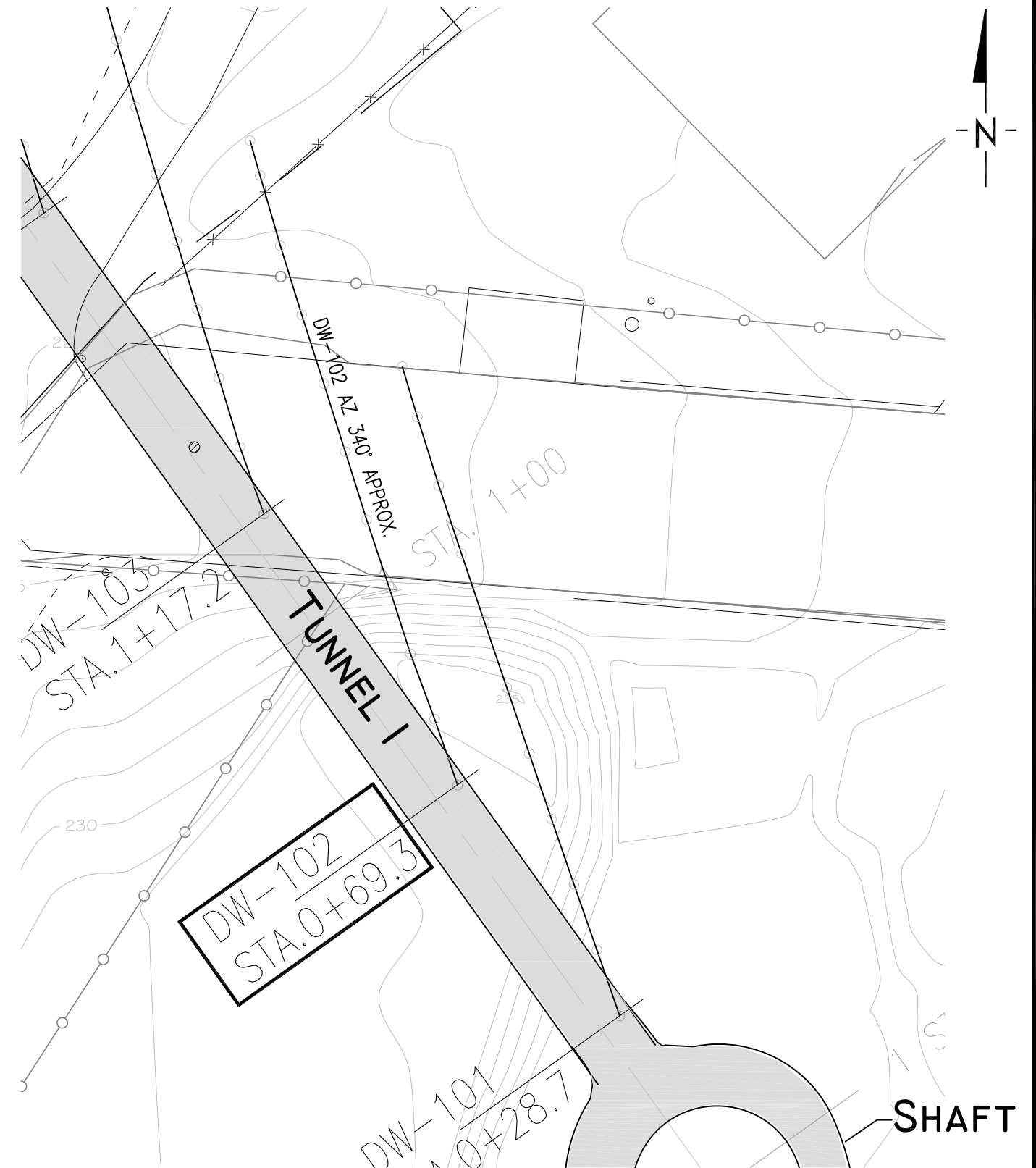


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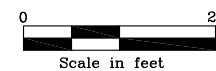


NOTE:

1. DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
2. DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
3. WATER IN FLOW RATE: LESS THAN 1 GPM AT END OF DRILLING (4/30/09)

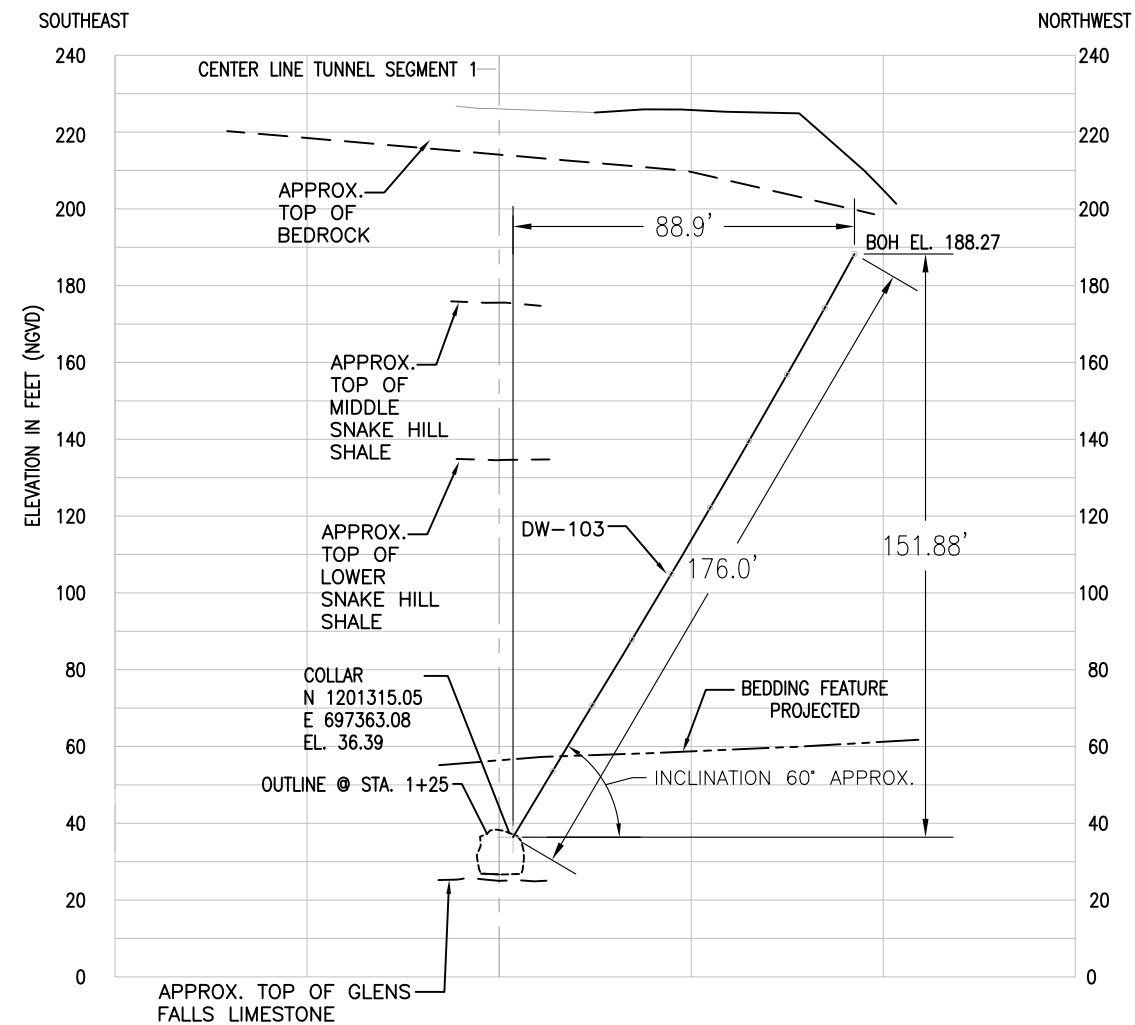


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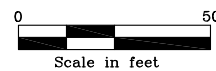


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	DRAFTED	RMK	
	PROJECT#	117-2204	
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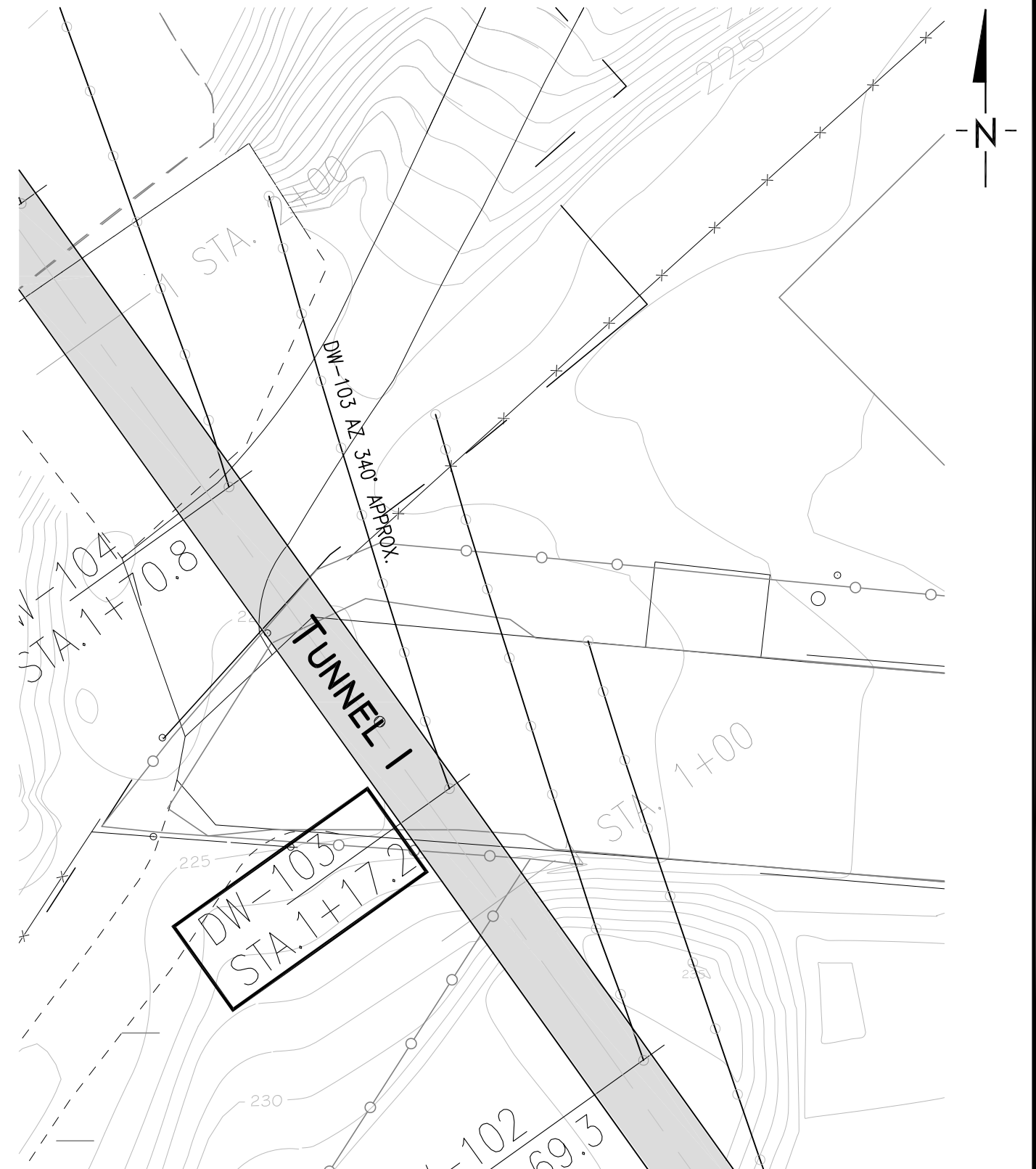


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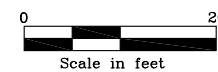


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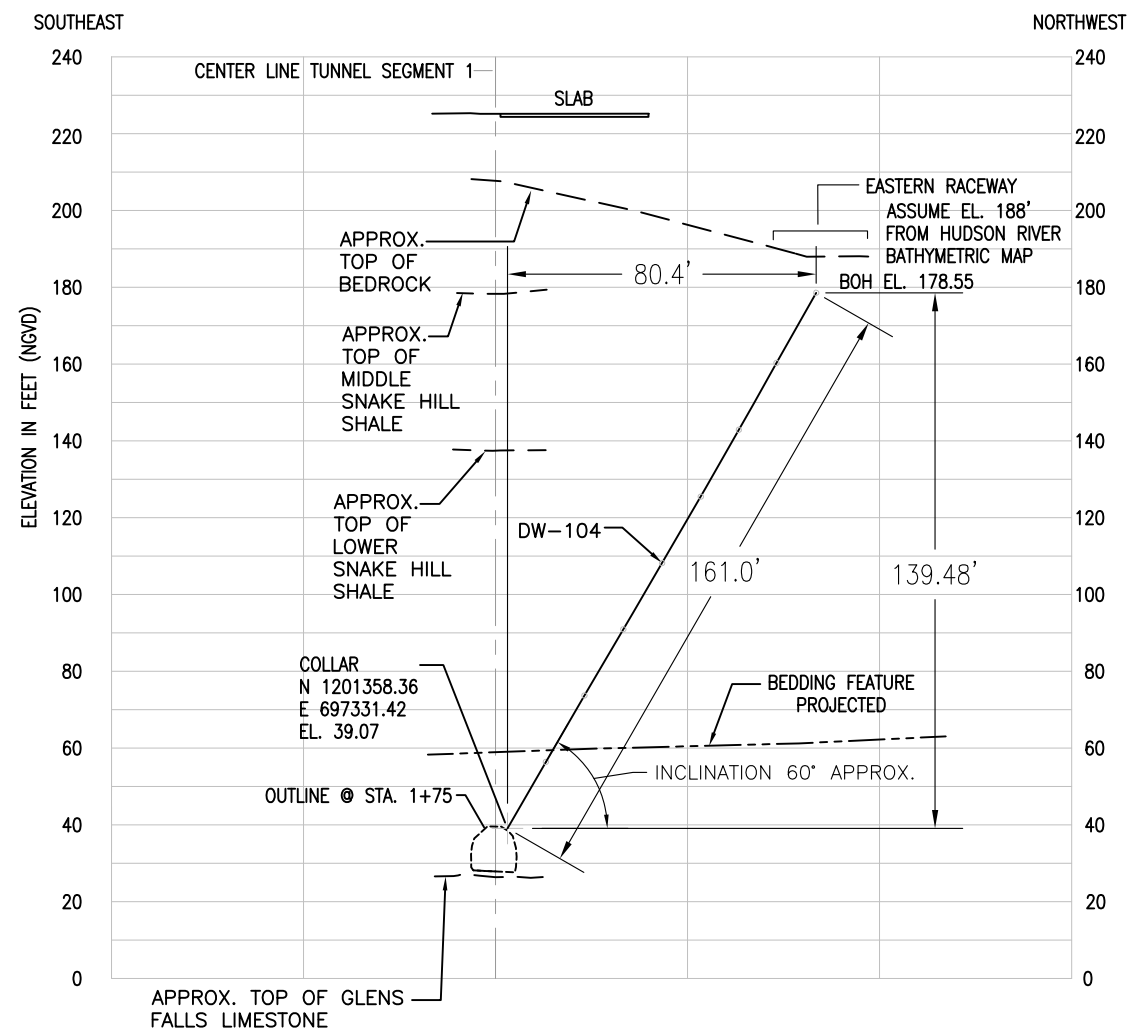
1. DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
2. DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
3. WATER IN FLOW RATE: LESS THAN 1 GPM AT END OF DRILLING (4/25/09)



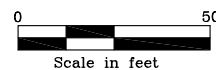
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	PROJECT#	117-2204	
	DATE	APRIL 2011	

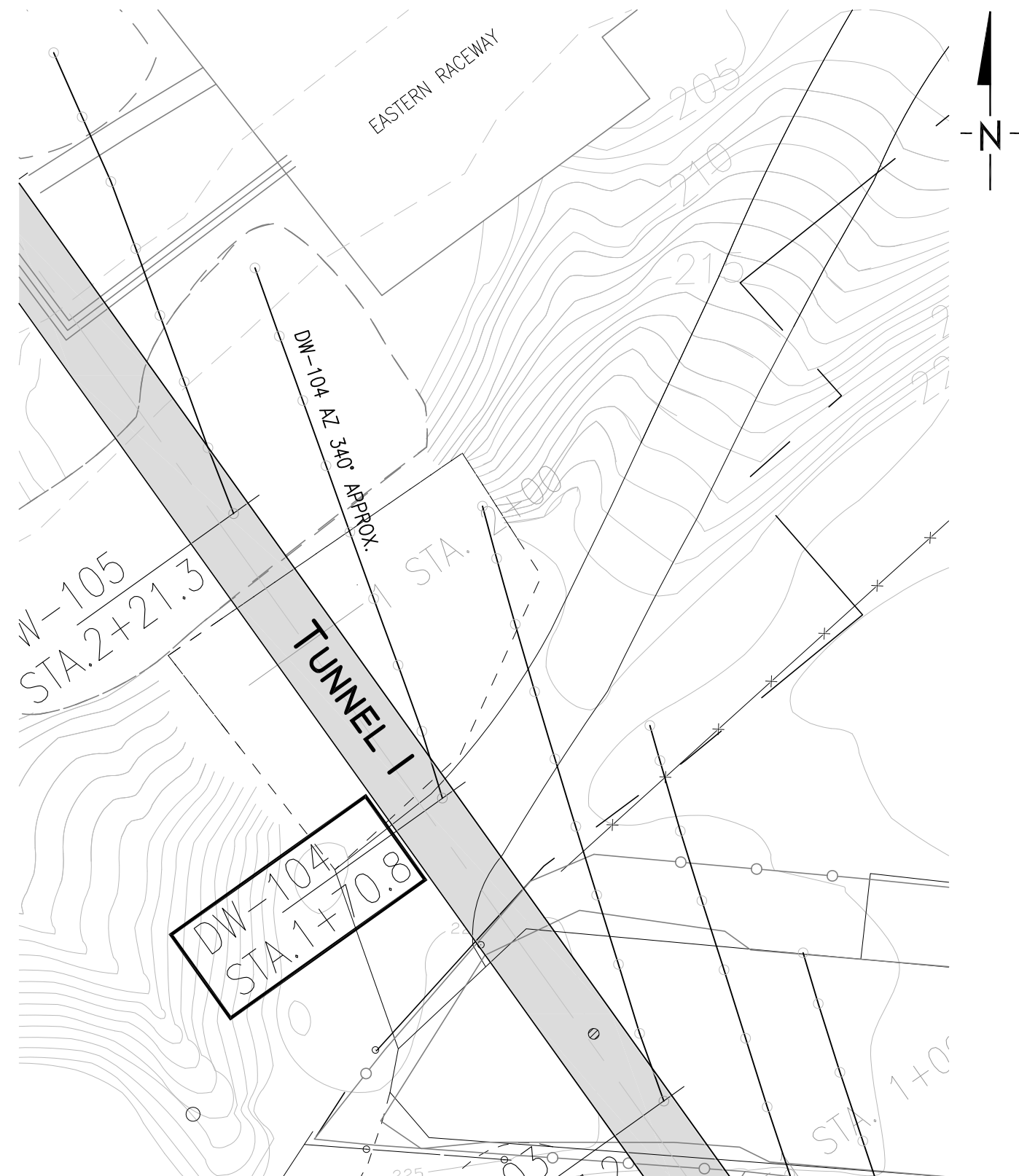


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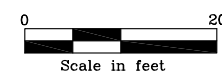


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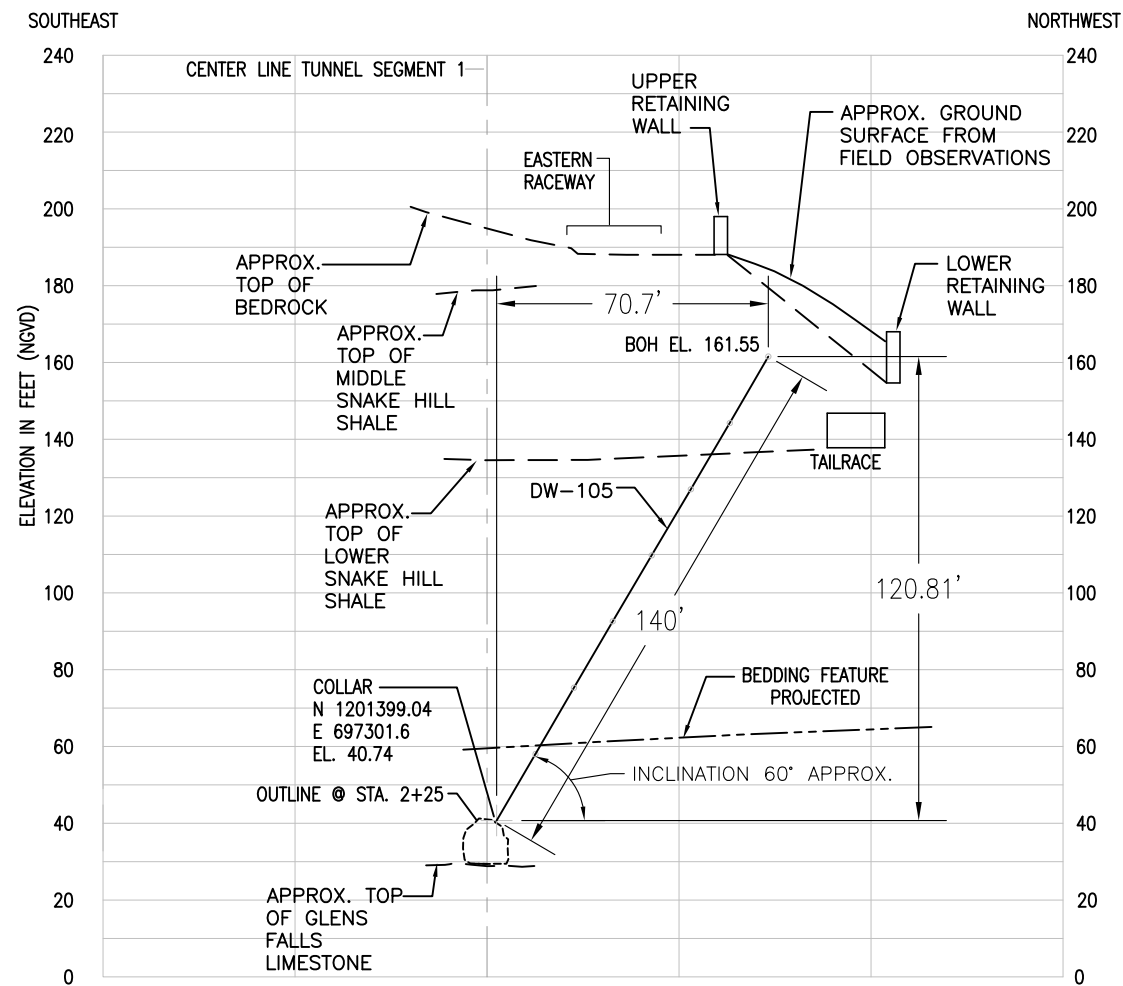
1. DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
2. DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
3. WATER IN FLOW RATE: NIL AT END OF DRILLING (5/5/09)



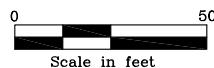
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	PROJECT#	117-2204	
	DATE	APRIL 2011	

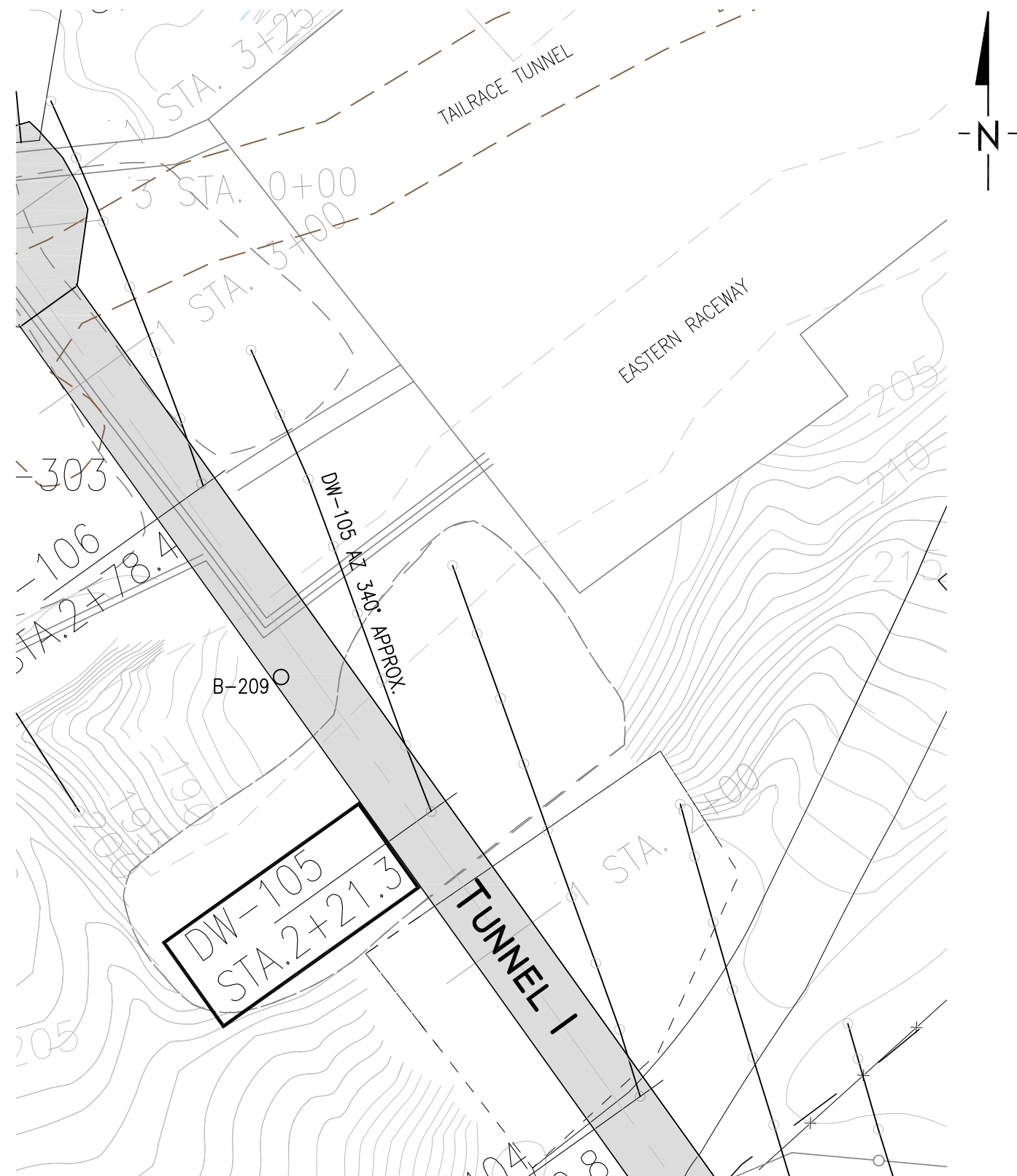


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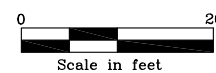


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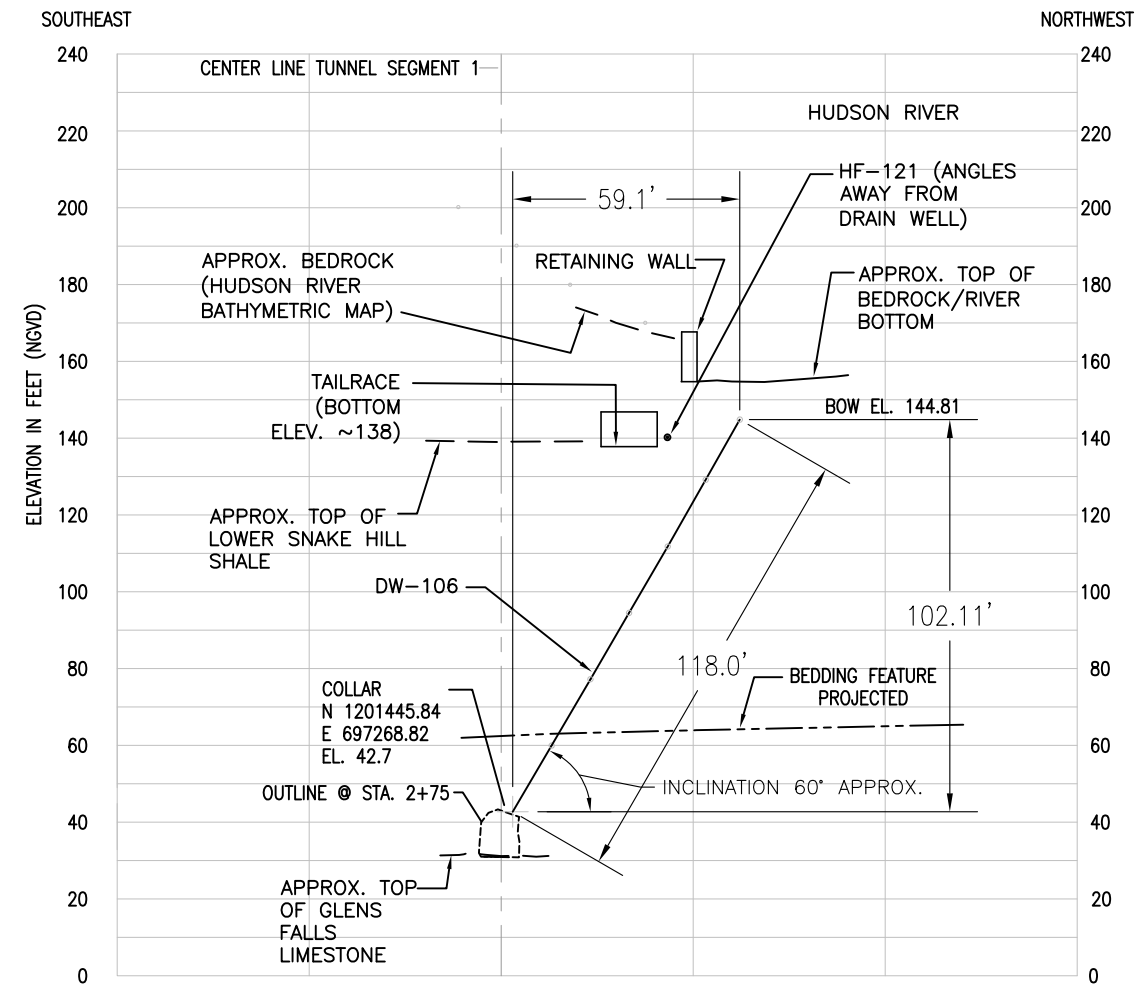
1. DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
2. DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
3. WATER IN FLOW RATE: 1-2 GPM AT END OF DRILLING (5/1/09)



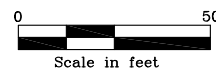
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LOCATION: GE HUDSON FALLS, NEW YORK			
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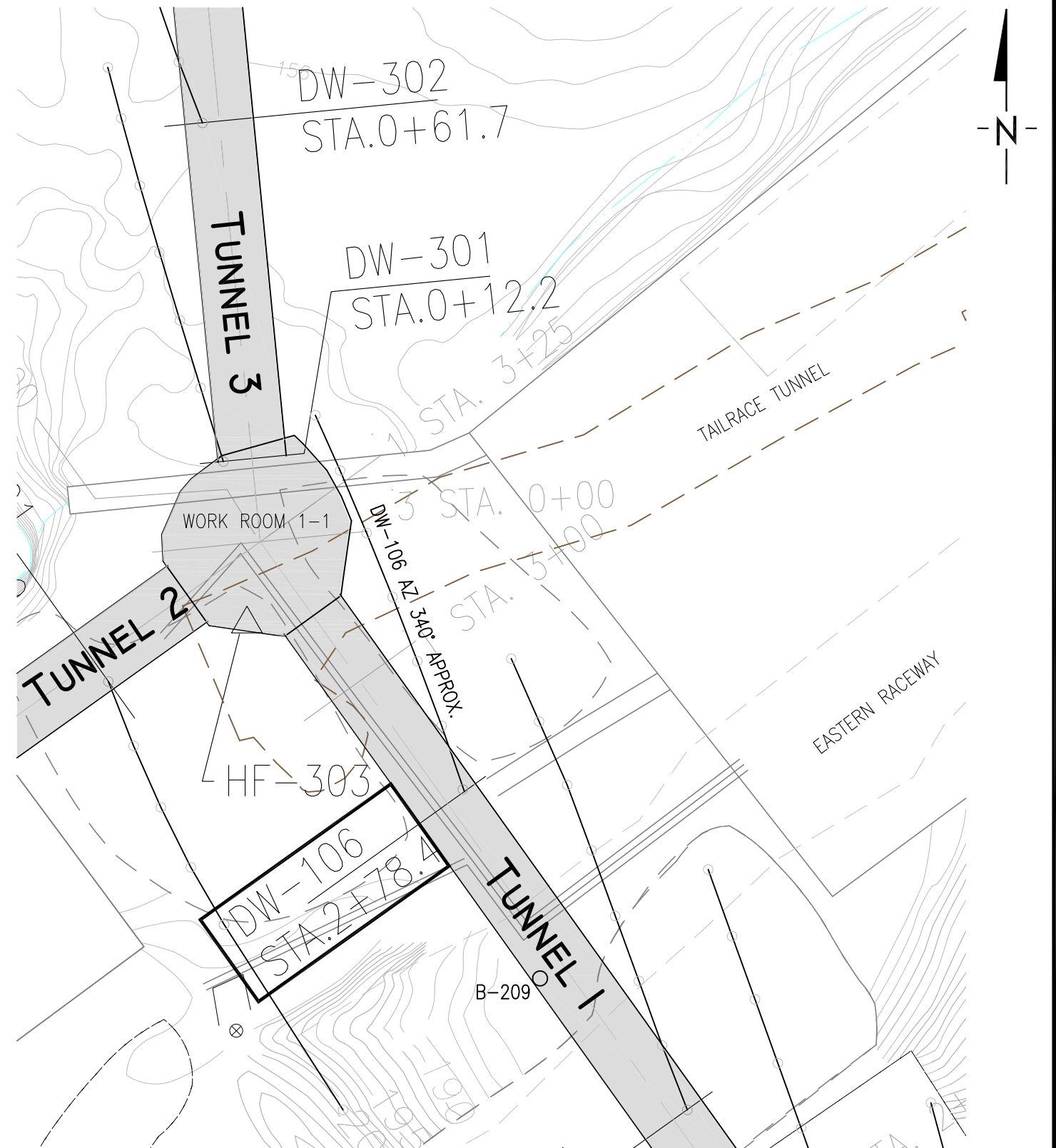


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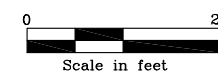


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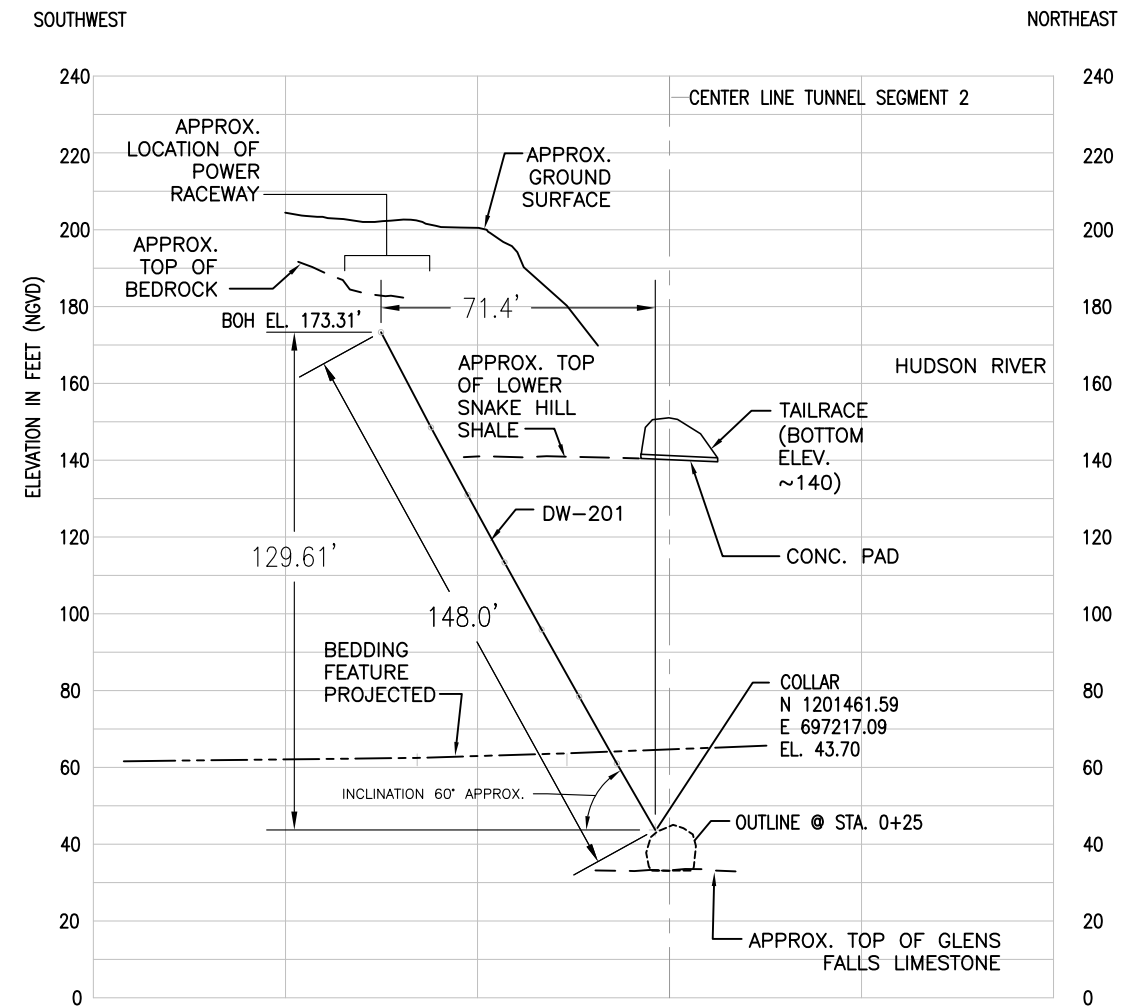
1. DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
2. DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
3. WATER IN FLOW RATE: LESS THAN 1 GPM AT END OF DRILLING (4/29/09)



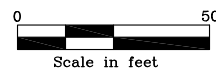
PLAN VIEW



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LOCATION: GE HUDSON FALLS, NEW YORK			
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	PROJECT#	117-2204	
	DATE	APRIL 2011	

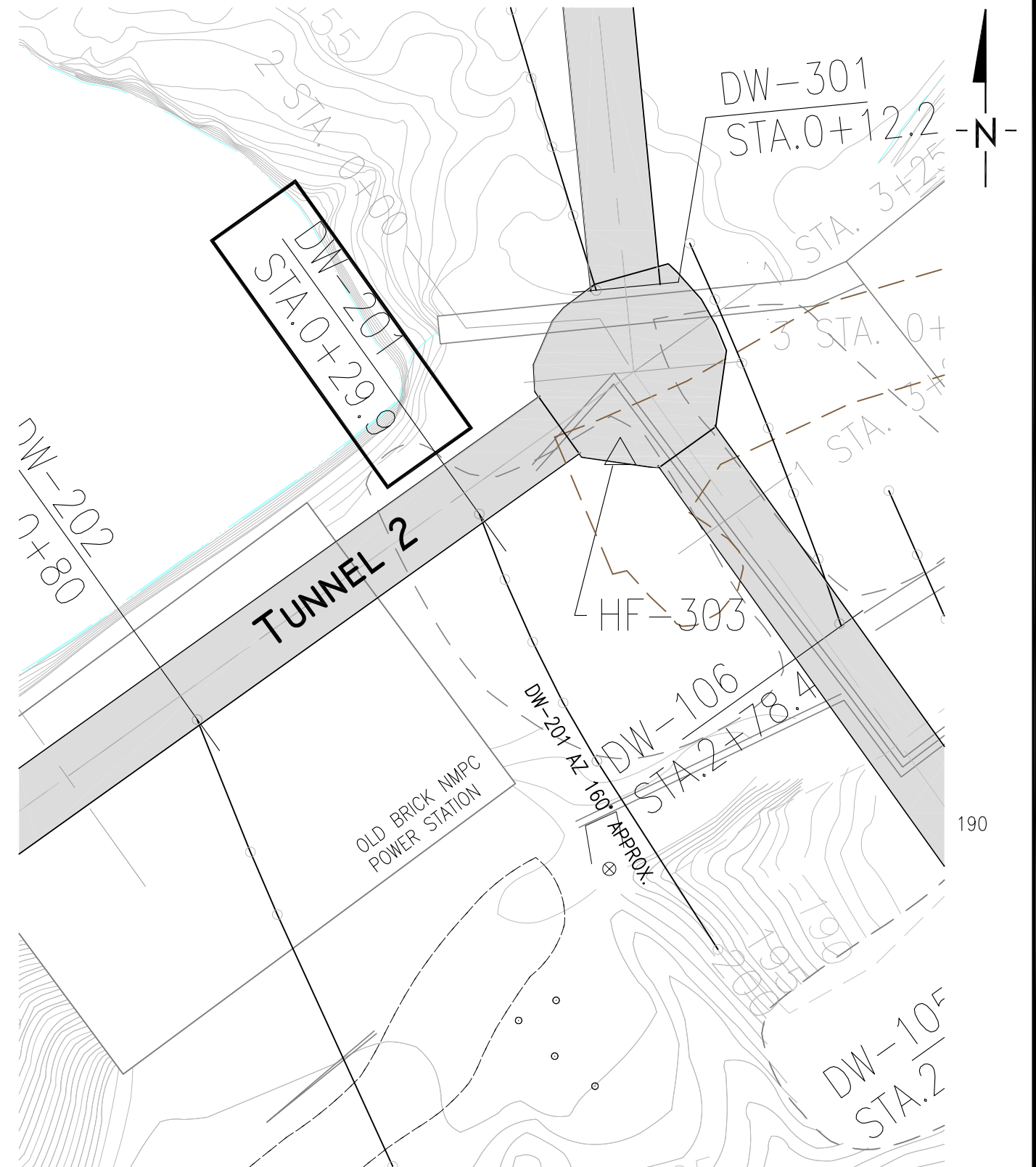


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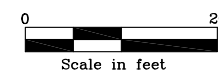


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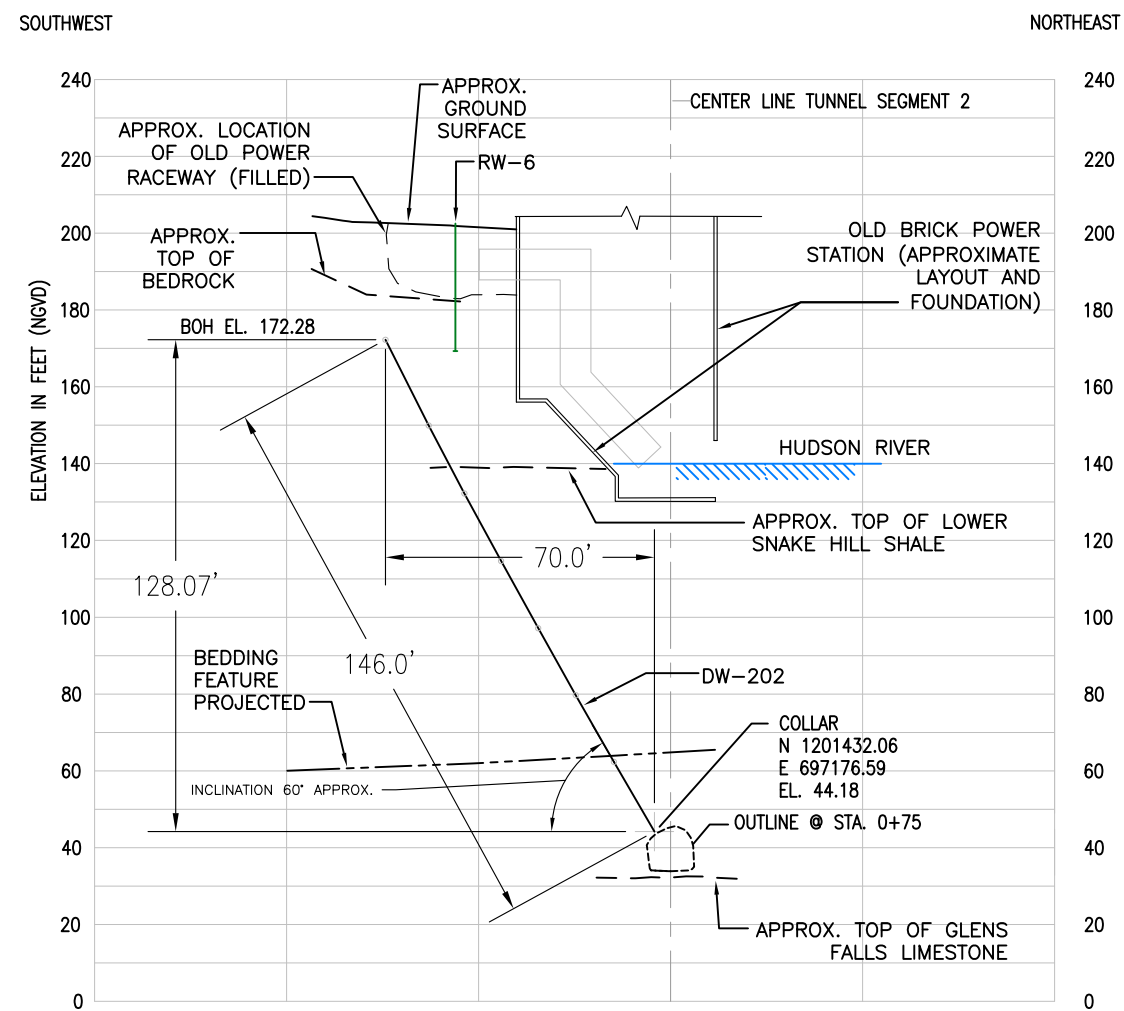
1. DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
2. DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
3. WATER IN FLOW RATE: LESS THAN 1 GPM AT END OF DRILLING (4/24/09)



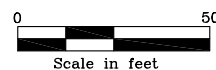
PLAN VIEW



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	PROJECT#	117-2204	
	DATE	APRIL 2011	

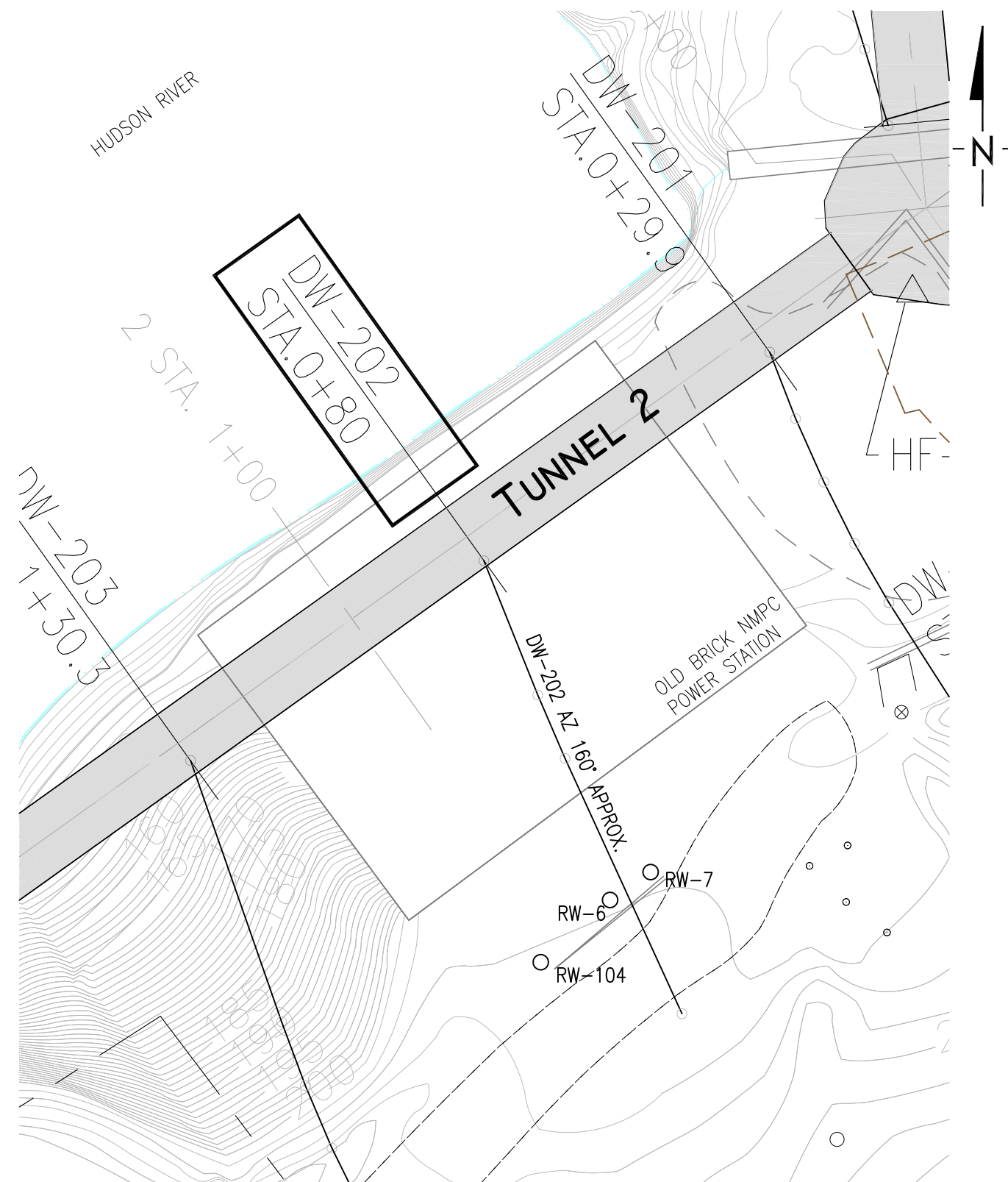


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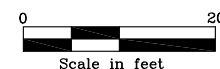


NOTE:

1. DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
2. DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
3. WATER IN FLOW RATE: NIL AT END OF DRILLING (4/15/09)

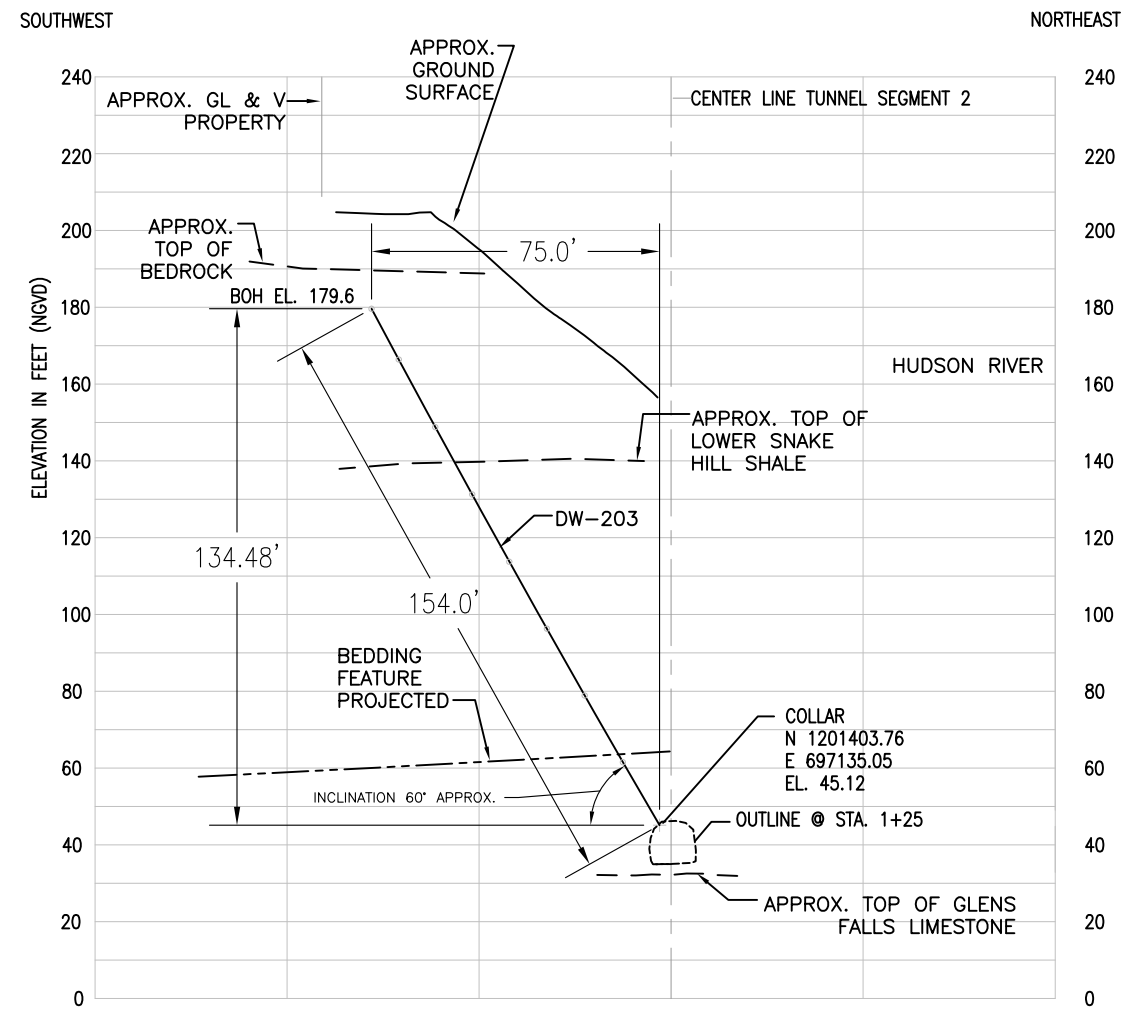


PLAN VIEW

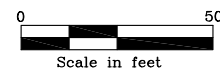


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LOCATION: GE HUDSON FALLS, NEW YORK			
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	PROJECT#	117-2204	
	DATE	APRIL, 2011	

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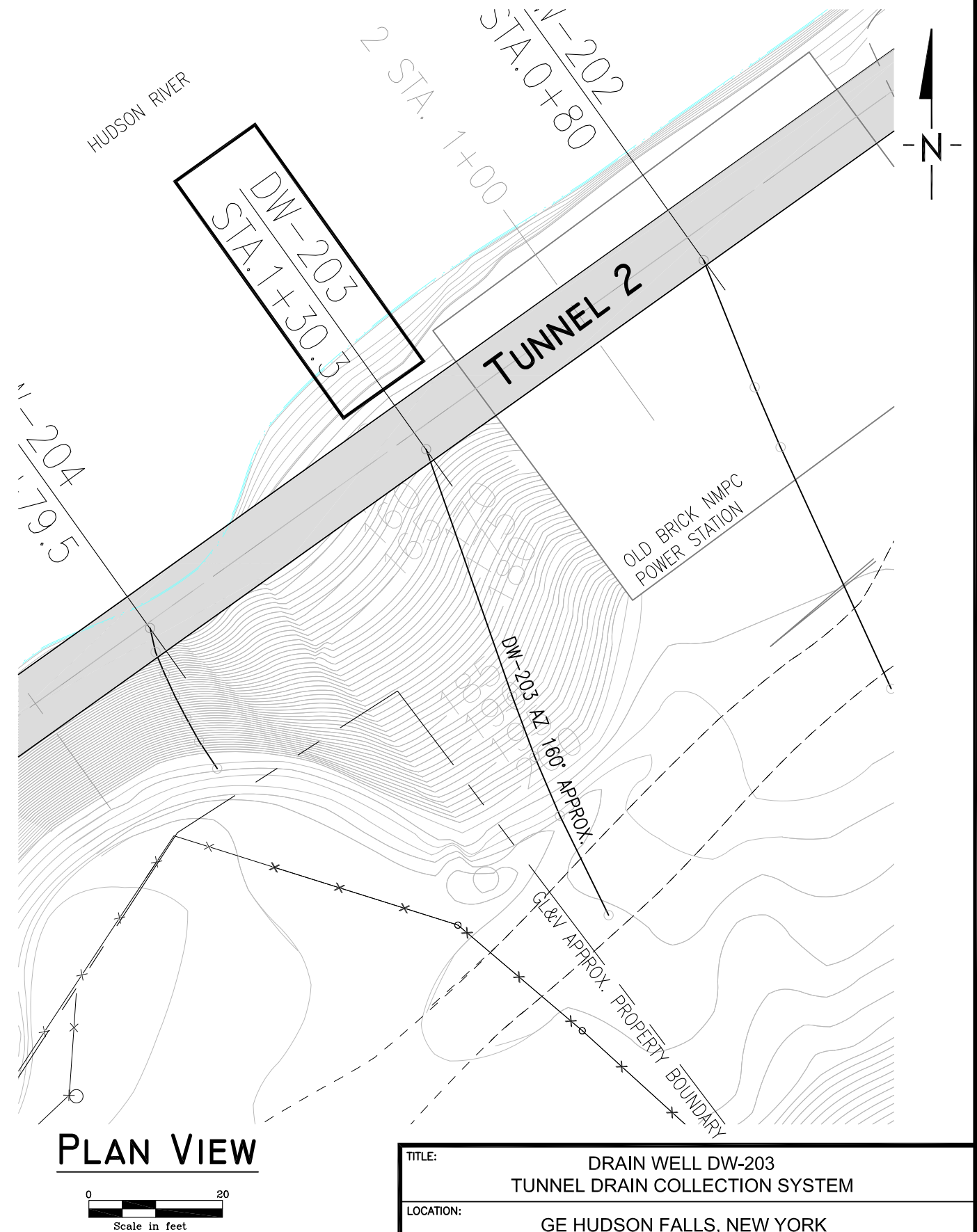


SECTION AT DW-203

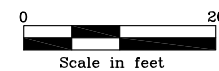


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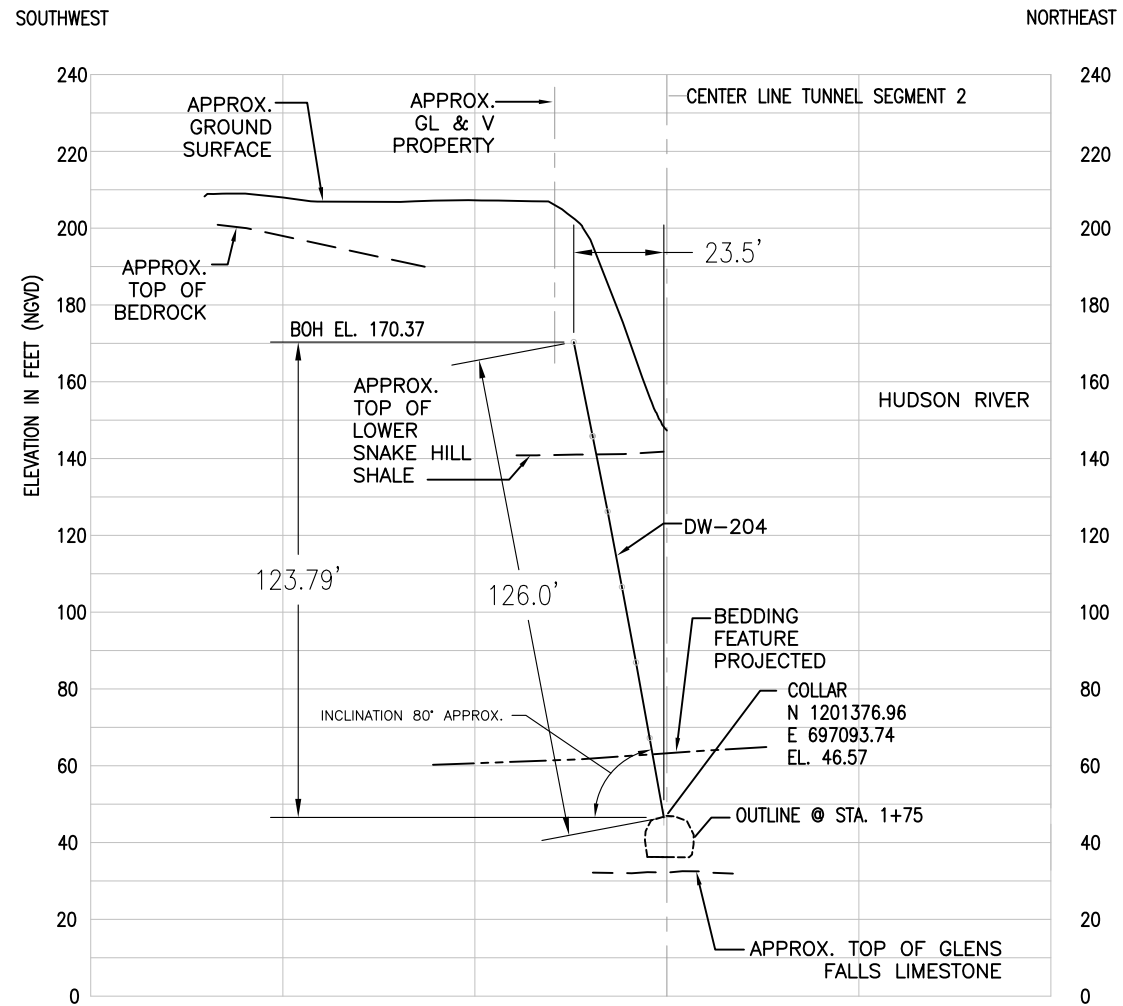
1. DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
2. DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
3. WATER IN FLOW RATE: 2 GPM AT END OF DRILLING (4/11/09)



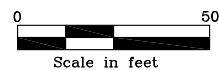
PLAN VIEW



TITLE: DRAIN WELL DW-203 TUNNEL DRAIN COLLECTION SYSTEM			
LOCATION: GE HUDSON FALLS, NEW YORK			
	APPROVED	JFB	FIGURE DW-203
	DRAFTED	RMK	
	PROJECT#	117-2204	
	DATE	APRIL 2011	

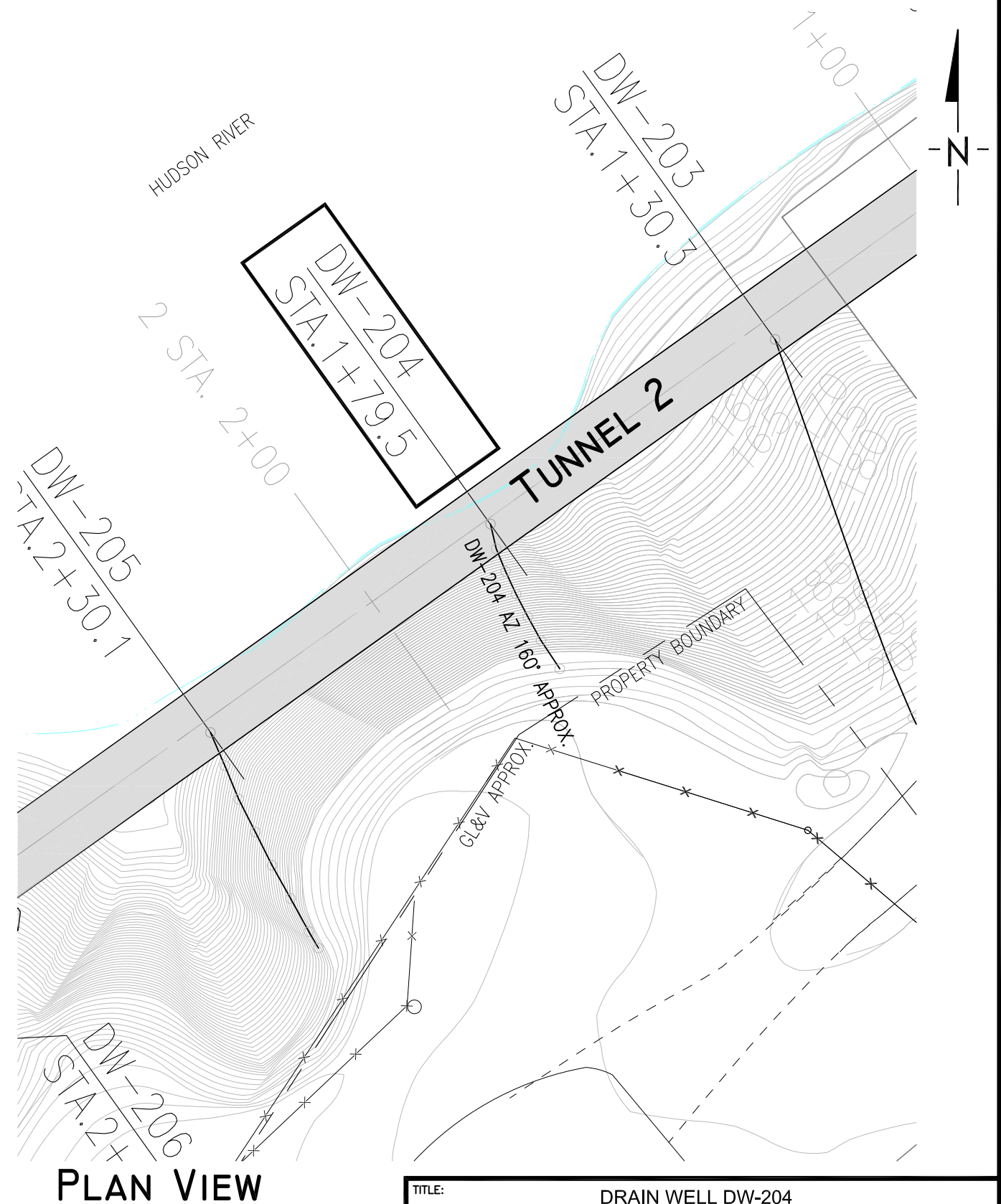


SECTION AT DW-204

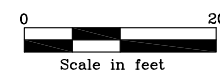


NOTE:

1. DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
2. DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
3. WATER IN FLOW RATE: LESS THAN 1 GPM AT END OF DRILLING (4/8/09)

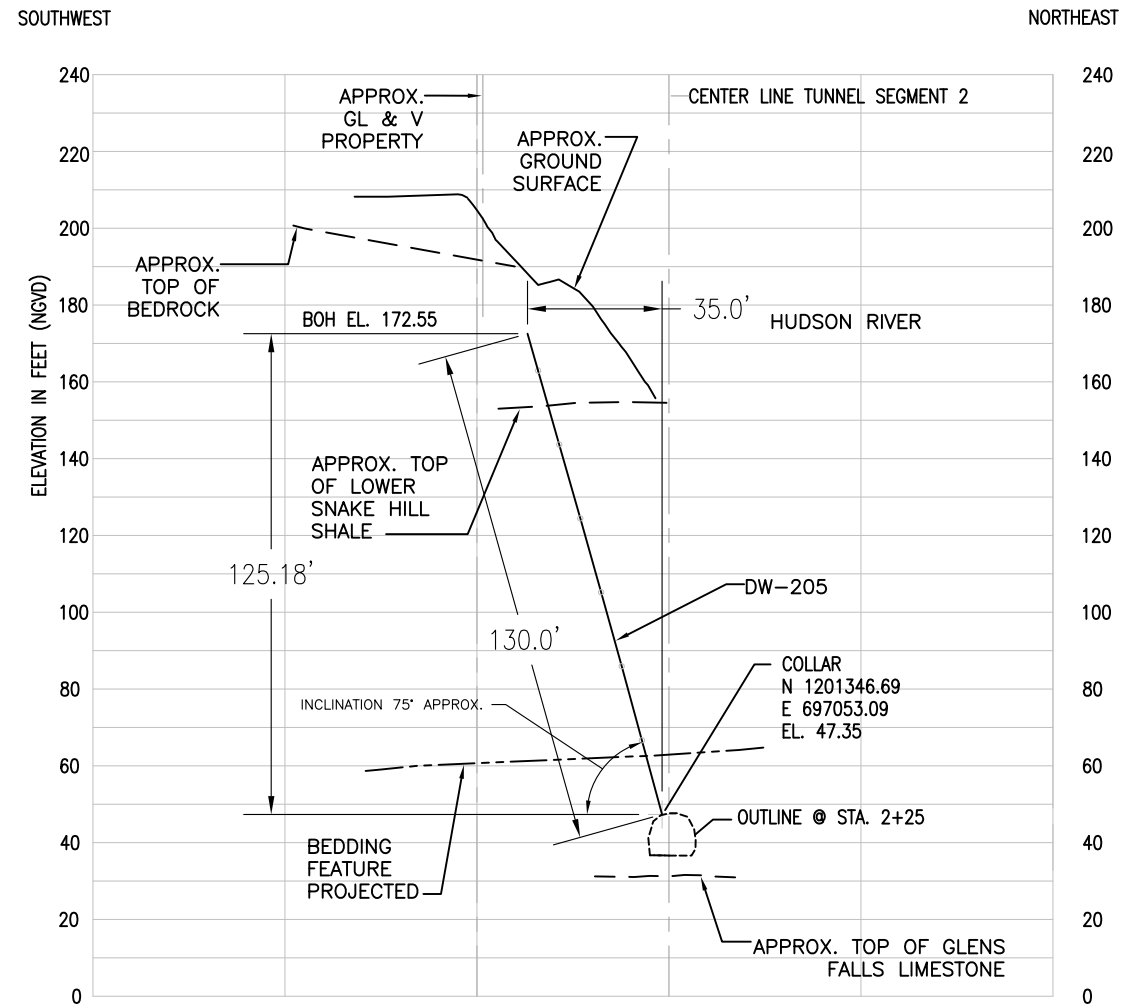


PLAN VIEW

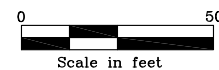


TITLE: DRAIN WELL DW-204 TUNNEL DRAIN COLLECTION SYSTEM			
LOCATION: GE HUDSON FALLS, NEW YORK			
 TETRA TECH GEO	APPROVED	JFB	FIGURE DW-204
	DRAFTED	RMK	
	PROJECT#	117-2204	
	DATE	APRIL 2011	

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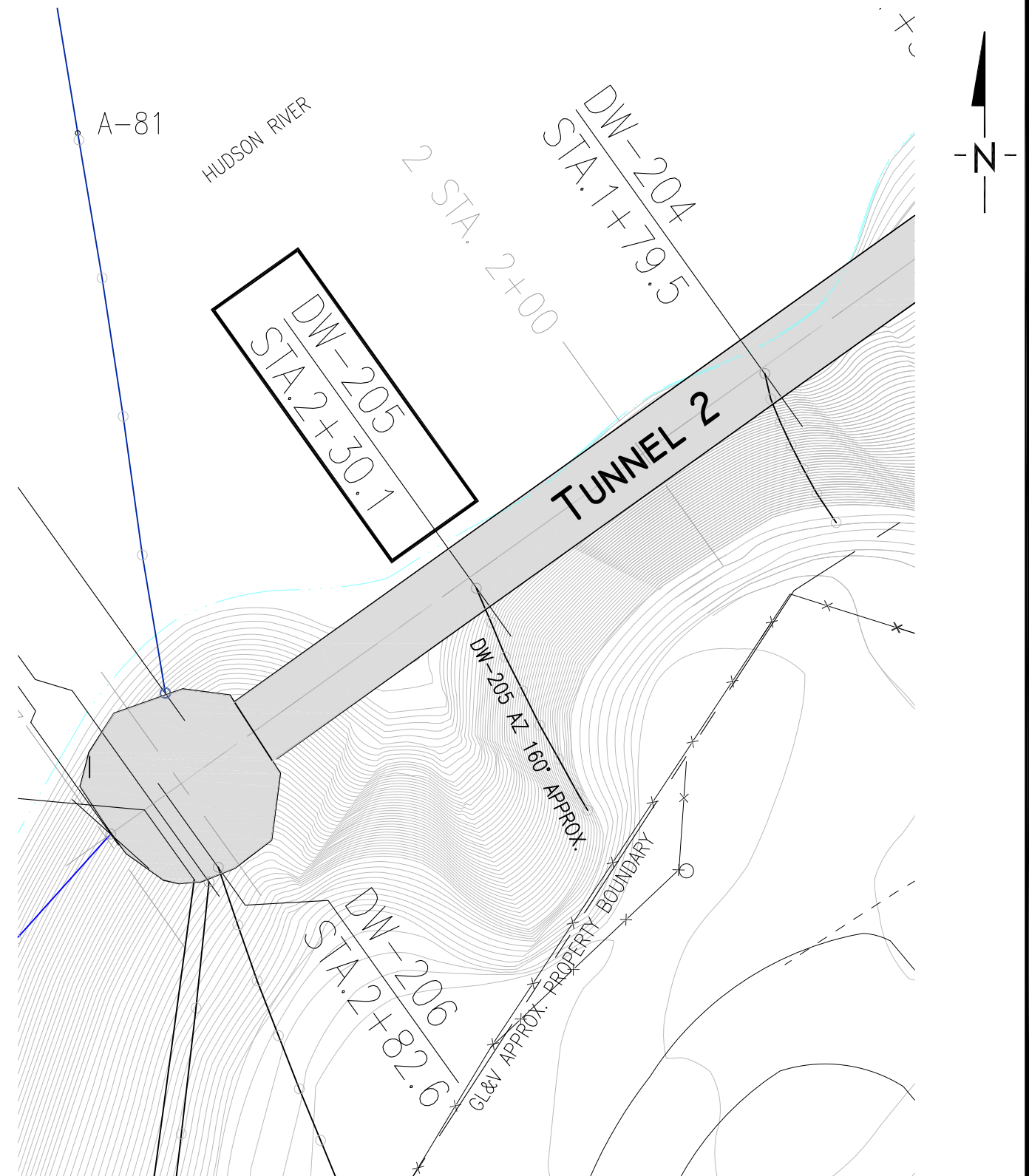


SECTION AT DW-205

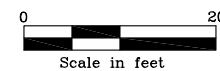


NOTE:

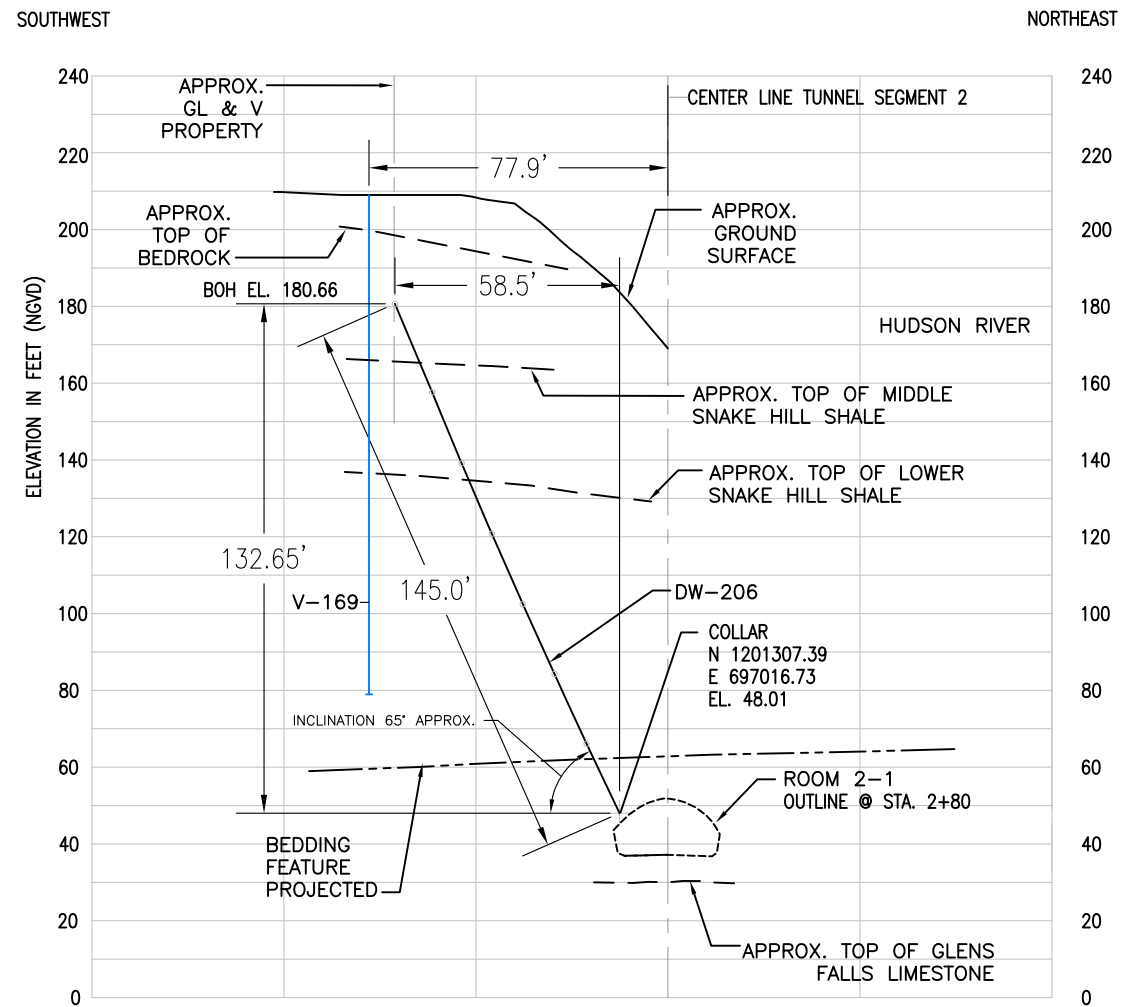
1. DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
2. DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
3. WATER IN FLOW RATE: LESS THAN 1 GPM AT END OF DRILLING (4/4/09)



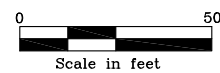
PLAN VIEW



TITLE: DRAIN WELL DW-205 TUNNEL DRAIN COLLECTION SYSTEM			
LOCATION: GE HUDSON FALLS, NEW YORK			
	APPROVED	JFB	FIGURE DW-205
	DRAFTED	RMK	
	PROJECT#	117-2204	
	DATE	APRIL 2011	

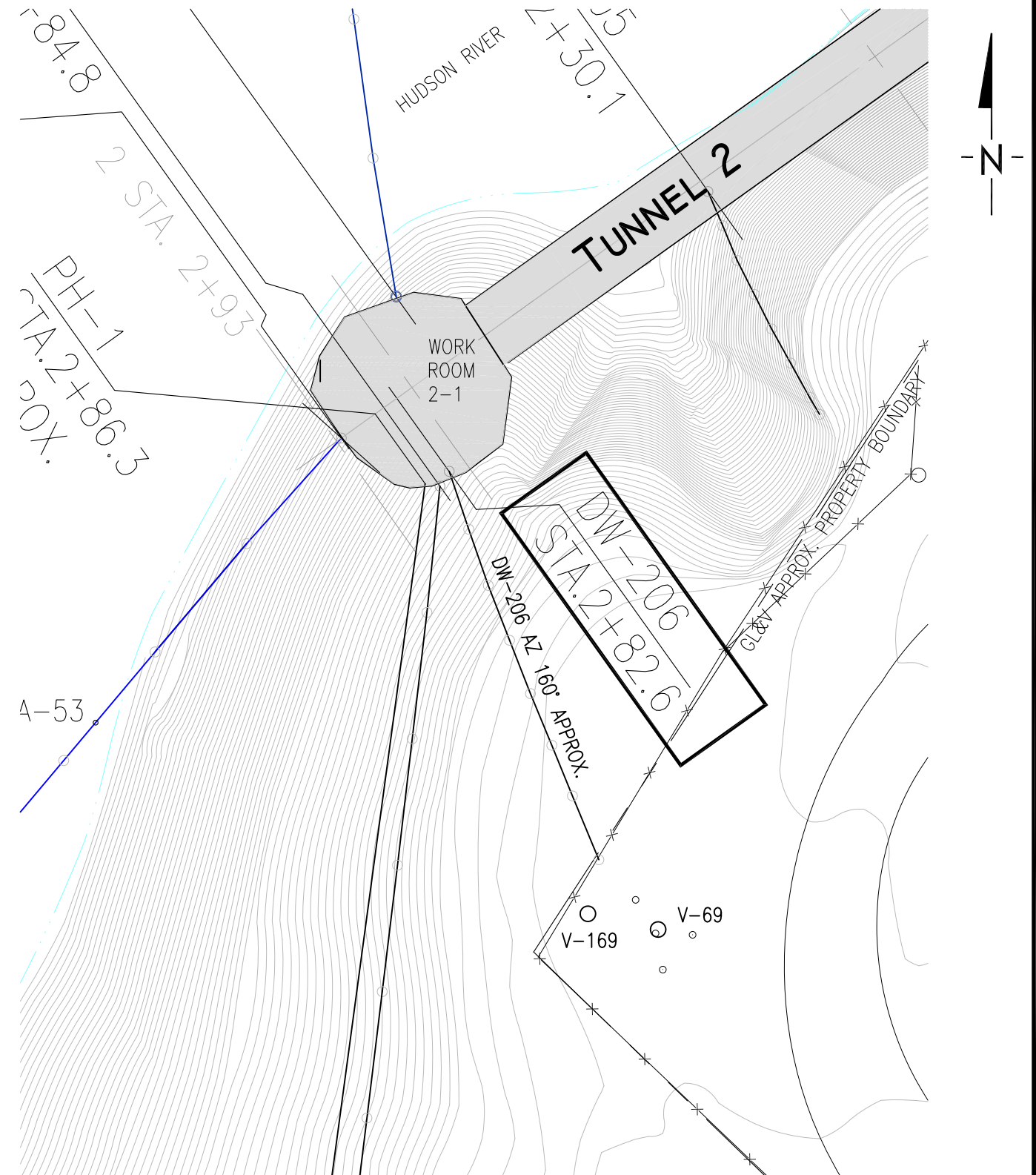


SECTION AT DW-206

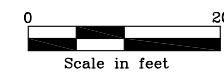


NOTE:

1. DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
2. DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
3. WATER IN FLOW RATE: 10 GPM AT END OF DRILLING (4/1/09)

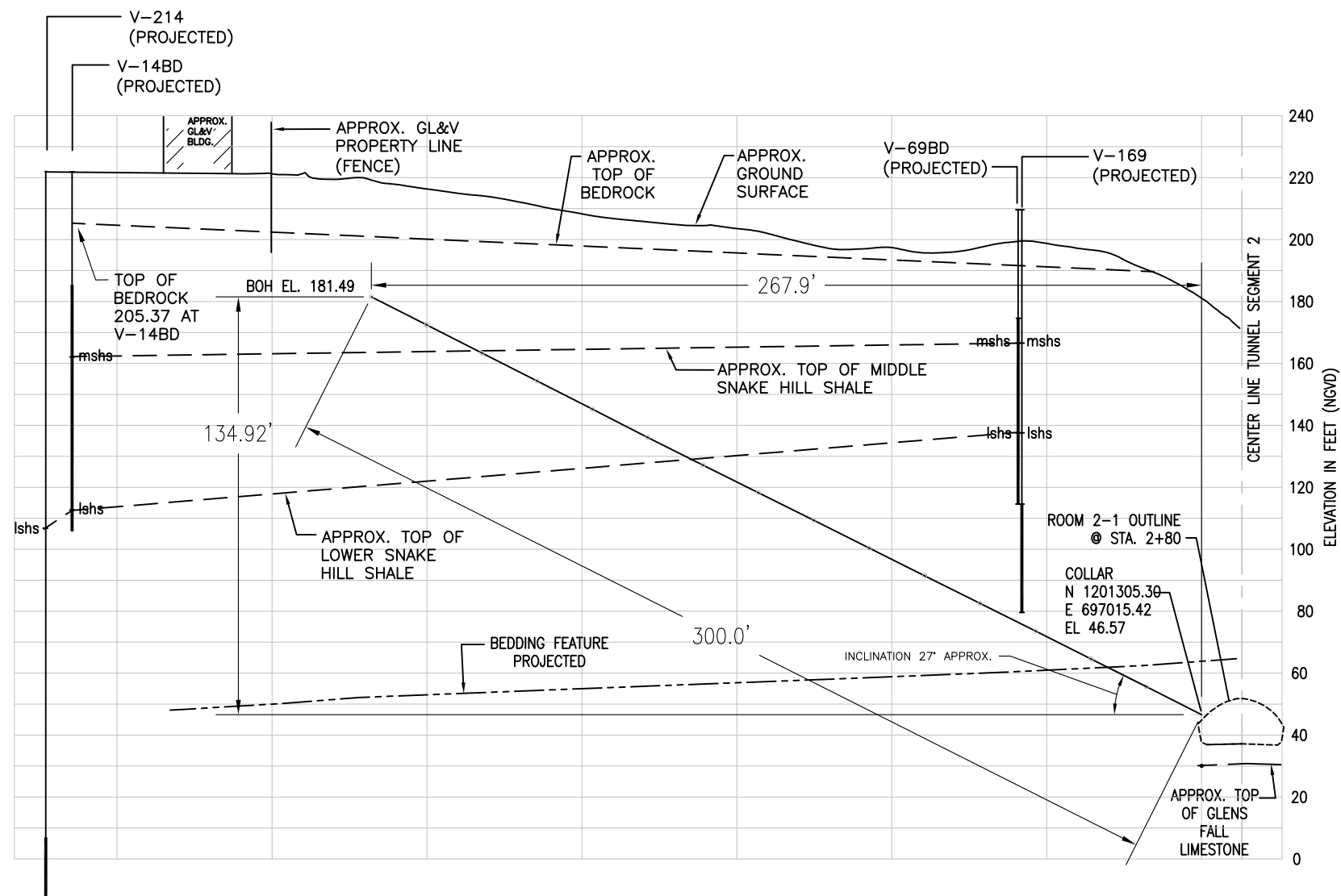


PLAN VIEW

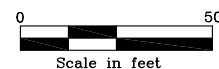


TITLE:		DRAIN WELL DW-206 TUNNEL DRAIN COLLECTION SYSTEM	
LOCATION:		GE HUDSON FALLS, NEW YORK	
	APPROVED	JFB	FIGURE DW-206
	DRAFTED	RMK	
	PROJECT#	117-2204	
	DATE	APRIL 2011	

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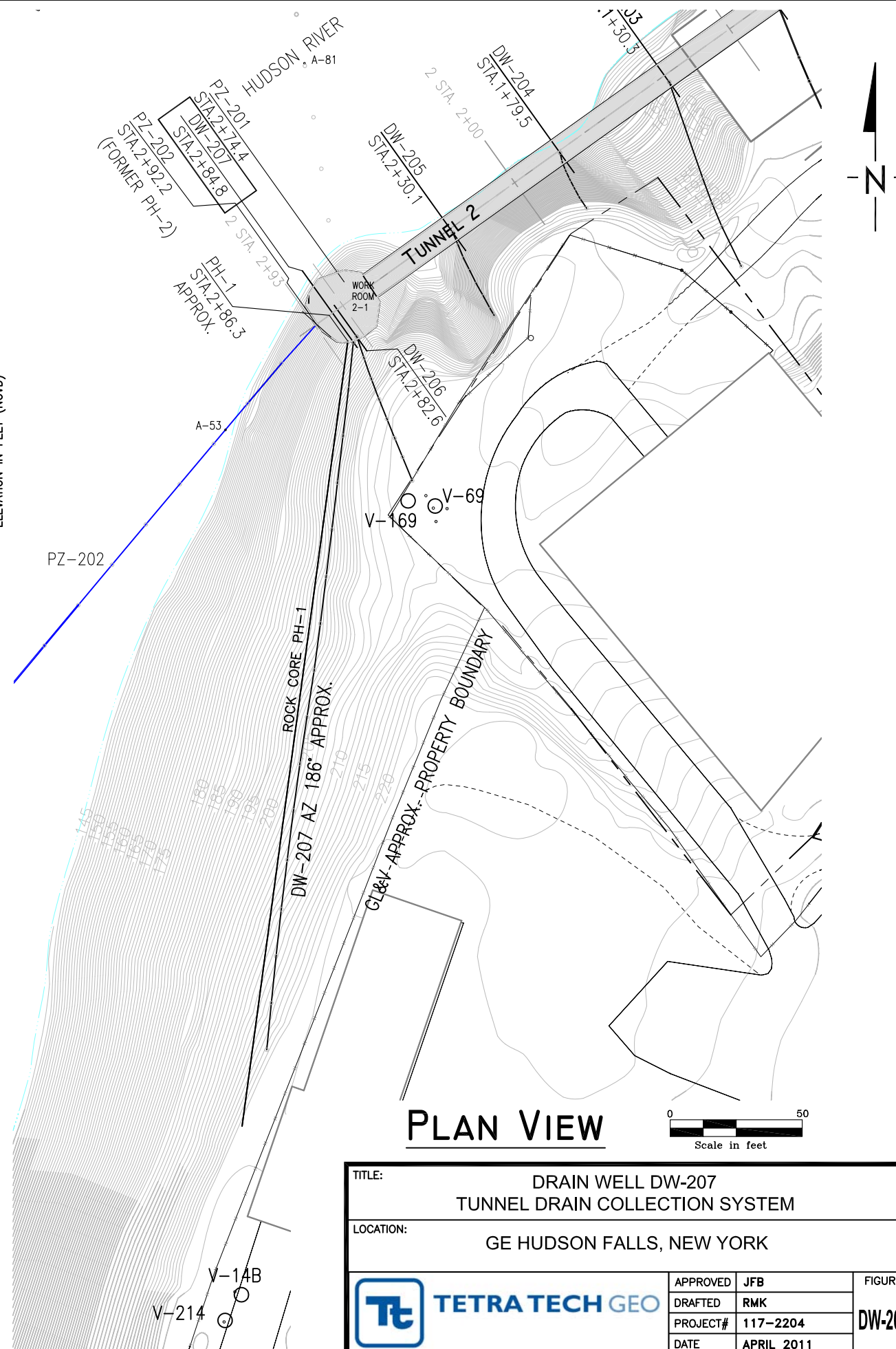


SECTION AT DW-207

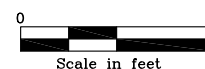


NOTE:

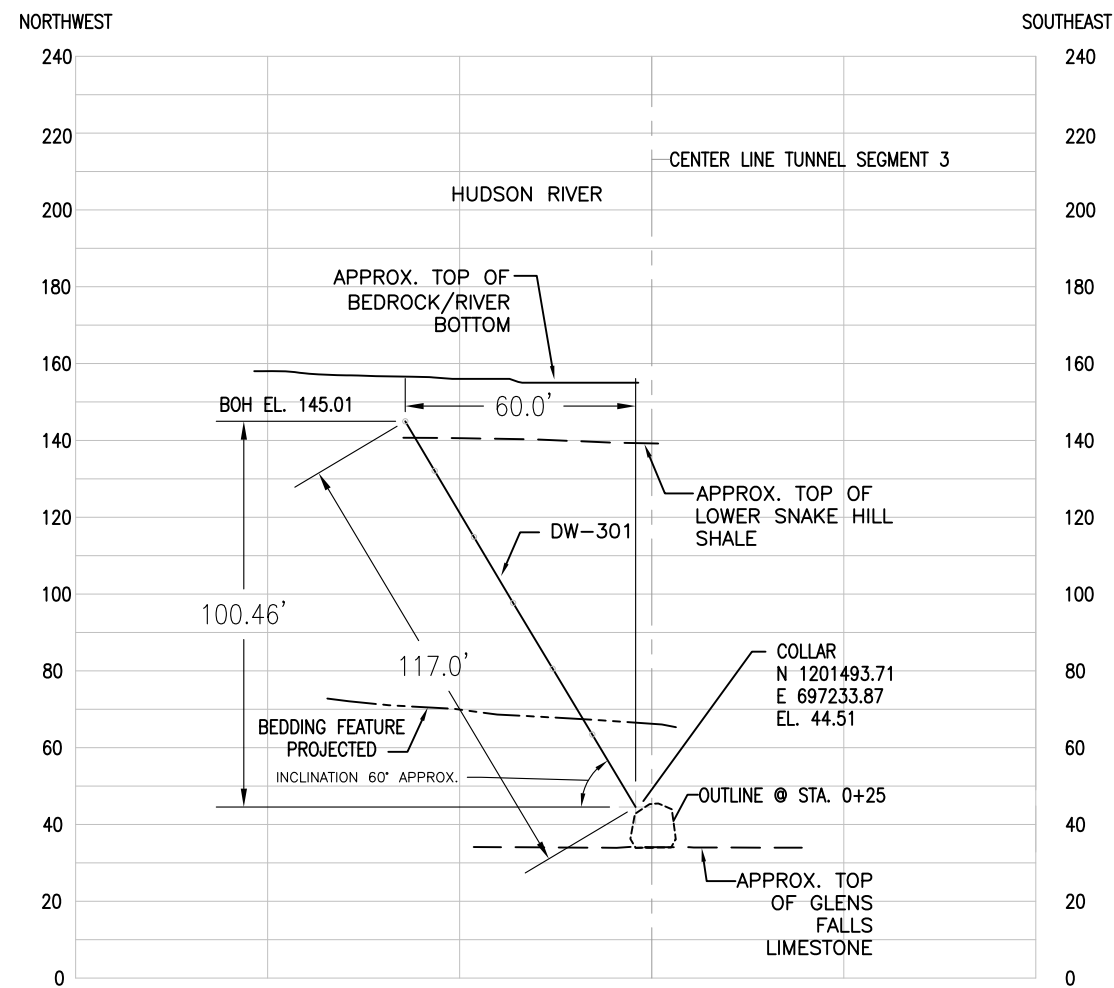
- DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
- DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
- WATER IN FLOW RATE: 1 to 2 GPM AT END OF DRILLING (5/11/09)



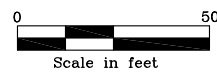
PLAN VIEW



TITLE:		DRAIN WELL DW-207 TUNNEL DRAIN COLLECTION SYSTEM	
LOCATION:		GE HUDSON FALLS, NEW YORK	
	APPROVED	JFB	FIGURE DW-207
	DRAFTED	RMK	
	PROJECT#	117-2204	
	DATE	APRIL 2011	

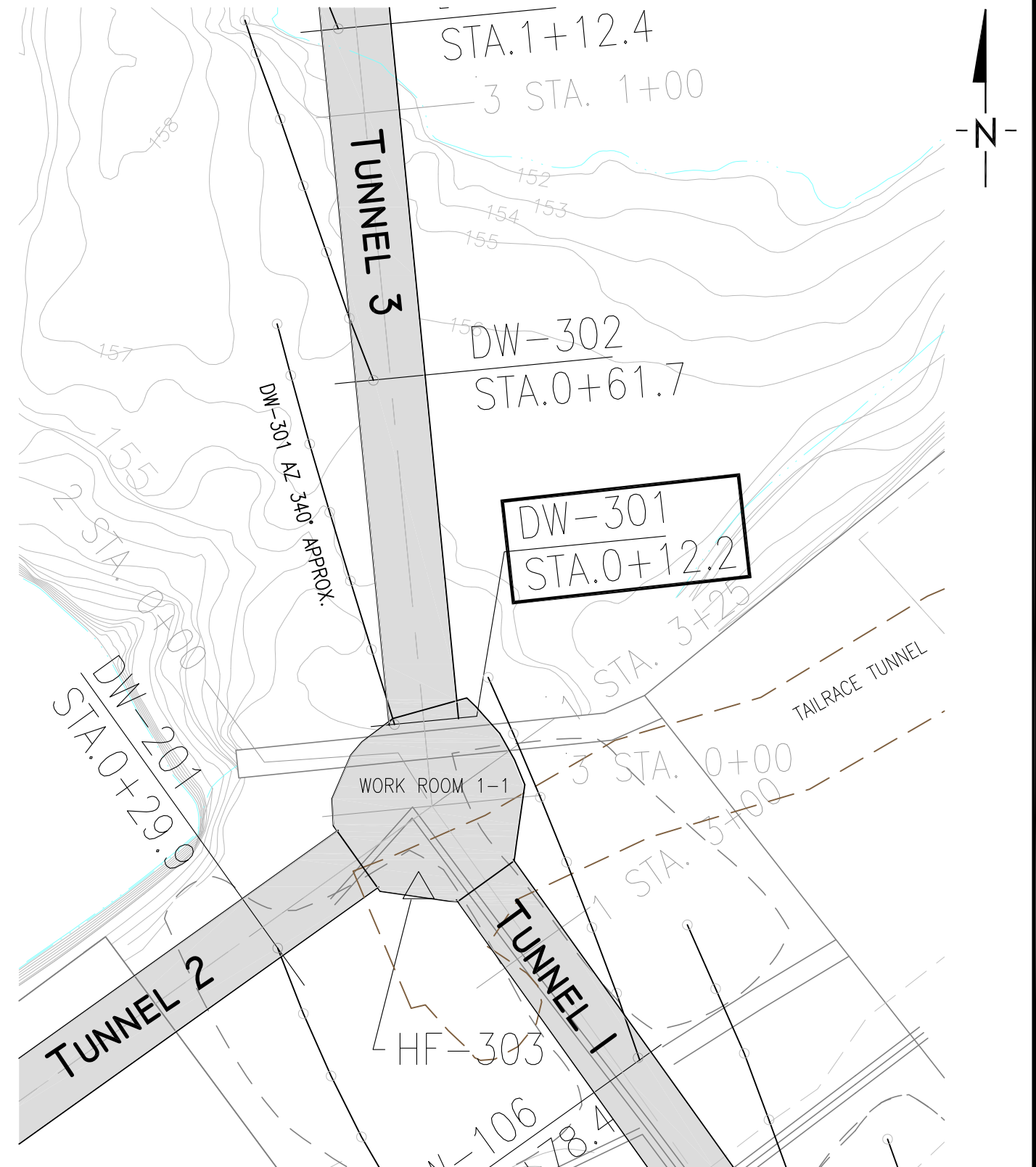


SECTION AT DW-301

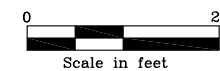


NOTE:

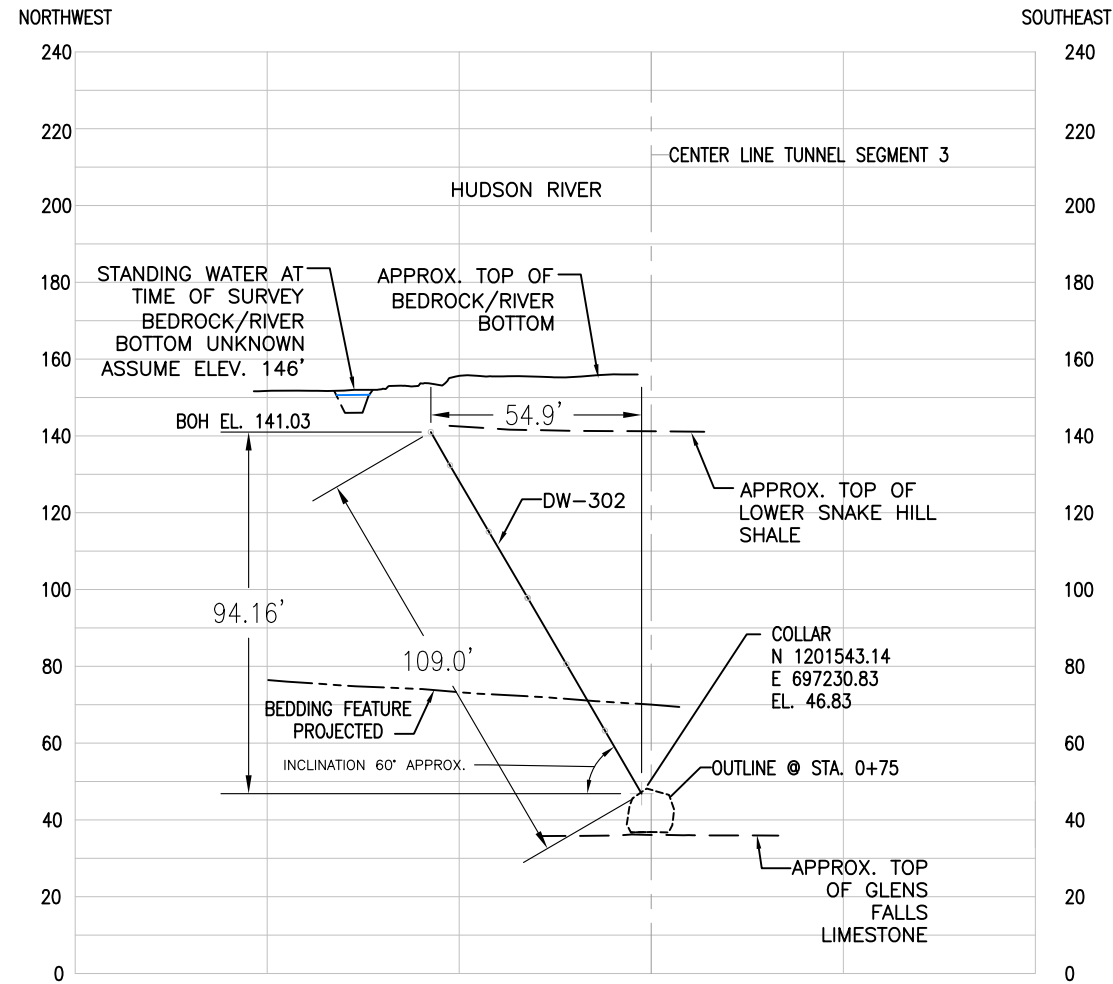
1. DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
2. DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
3. WATER IN FLOW RATE: 2 to 3 GPM AT END OF DRILLING (4/15/09)



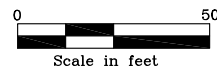
PLAN VIEW



TITLE: DRAIN WELL DW-301 TUNNEL DRAIN COLLECTION SYSTEM			
LOCATION: GE HUDSON FALLS, NEW YORK			
 TETRA TECH GEO	APPROVED	JFB	FIGURE DW-301
	DRAFTED	RMK	
	PROJECT#	117-2204	
	DATE	APRIL 2011	

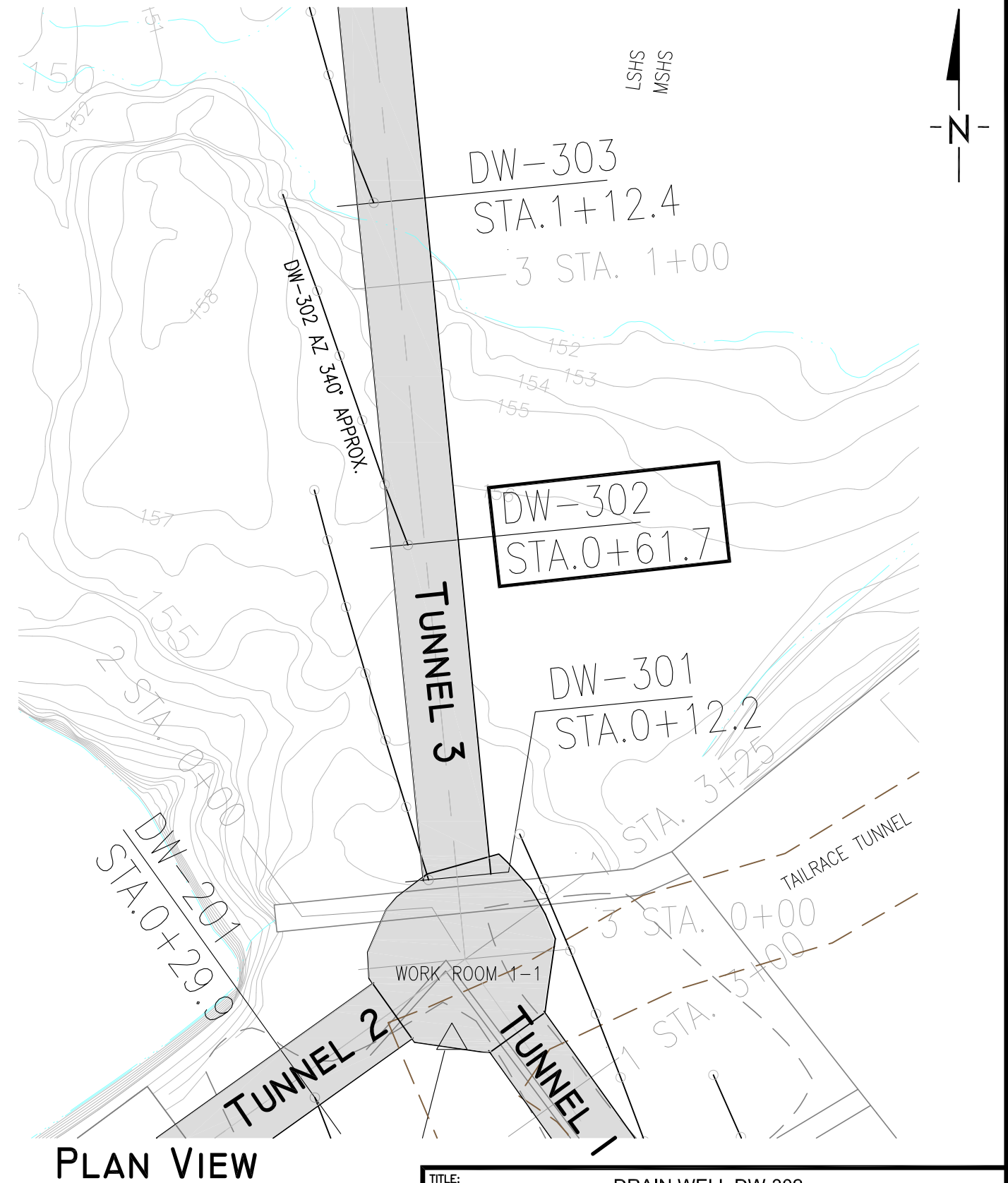


SECTION AT DW-302



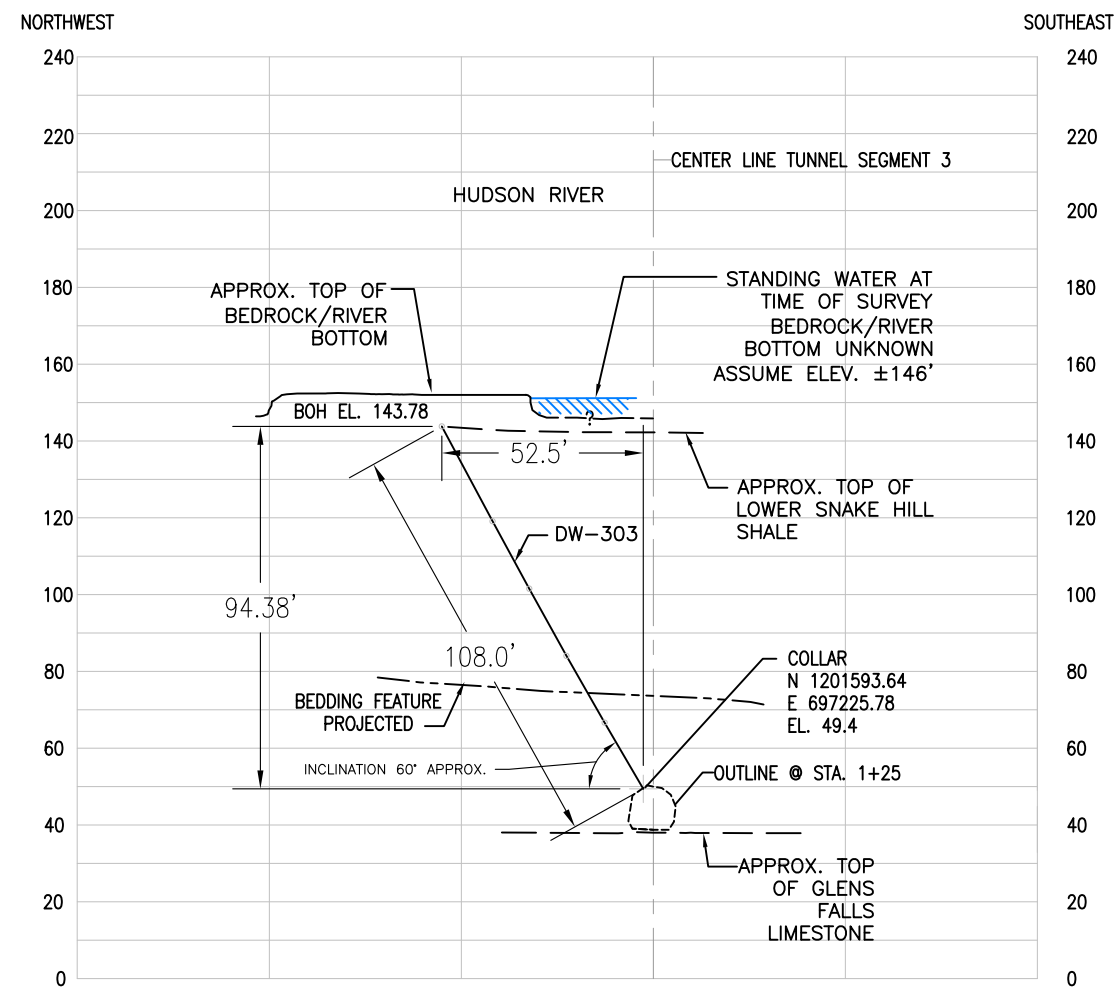
NOTE:

1. DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
2. DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
3. WATER IN FLOW RATE: NIL AT END OF DRILLING (4/13/09)

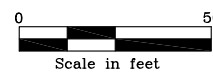


TITLE: DRAIN WELL DW-302 TUNNEL DRAIN COLLECTION SYSTEM			
LOCATION: GE HUDSON FALLS, NEW YORK			
	APPROVED	JFB	FIGURE DW-302
	DRAFTED	RMK	
	PROJECT#	117-2204	
	DATE	APRIL 2011	

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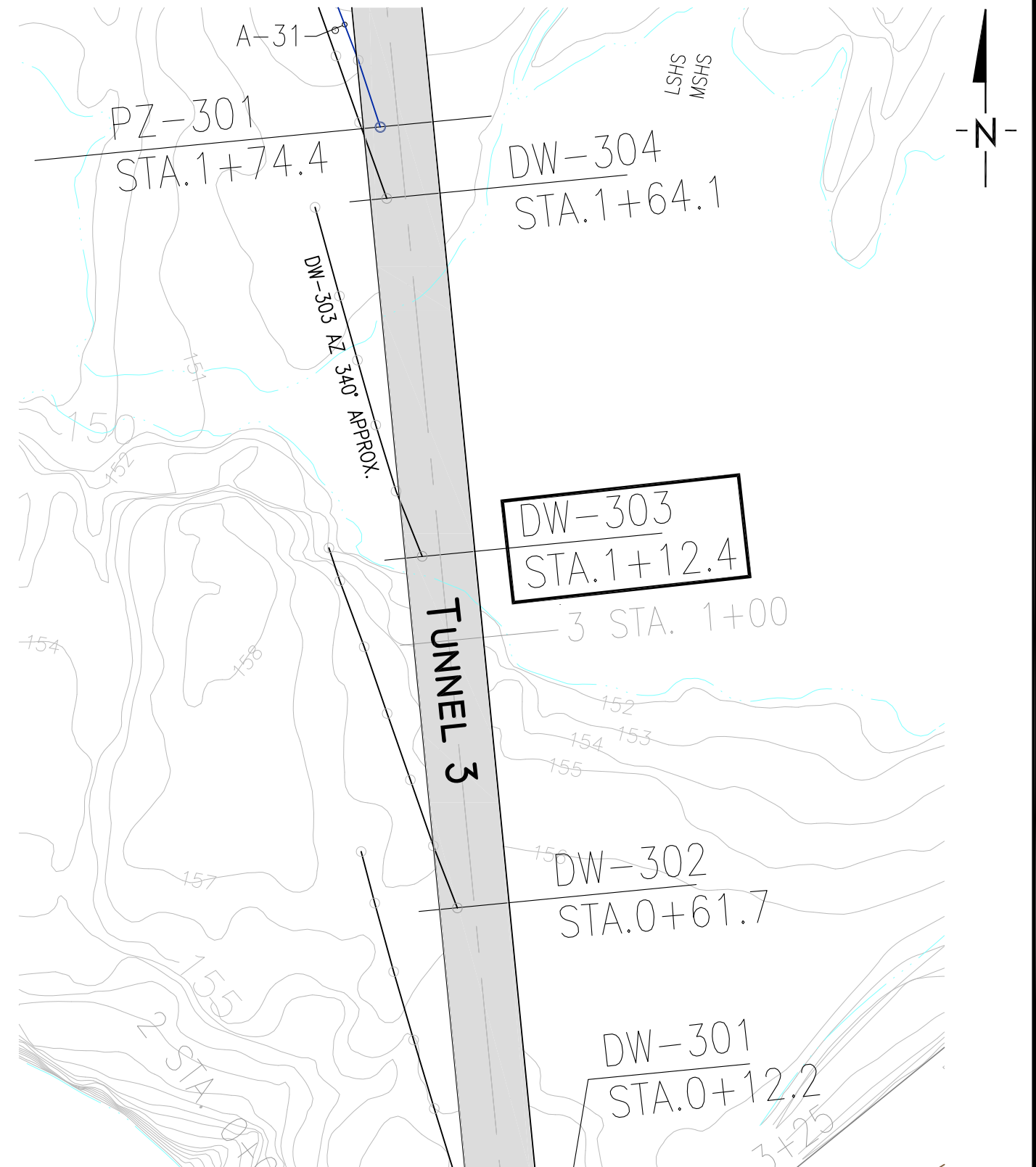


SECTION AT DW-303

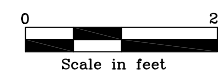


NOTE:

1. DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
2. DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
3. WATER IN FLOW RATE: 7 GPM AT END OF DRILLING (4/10/09)

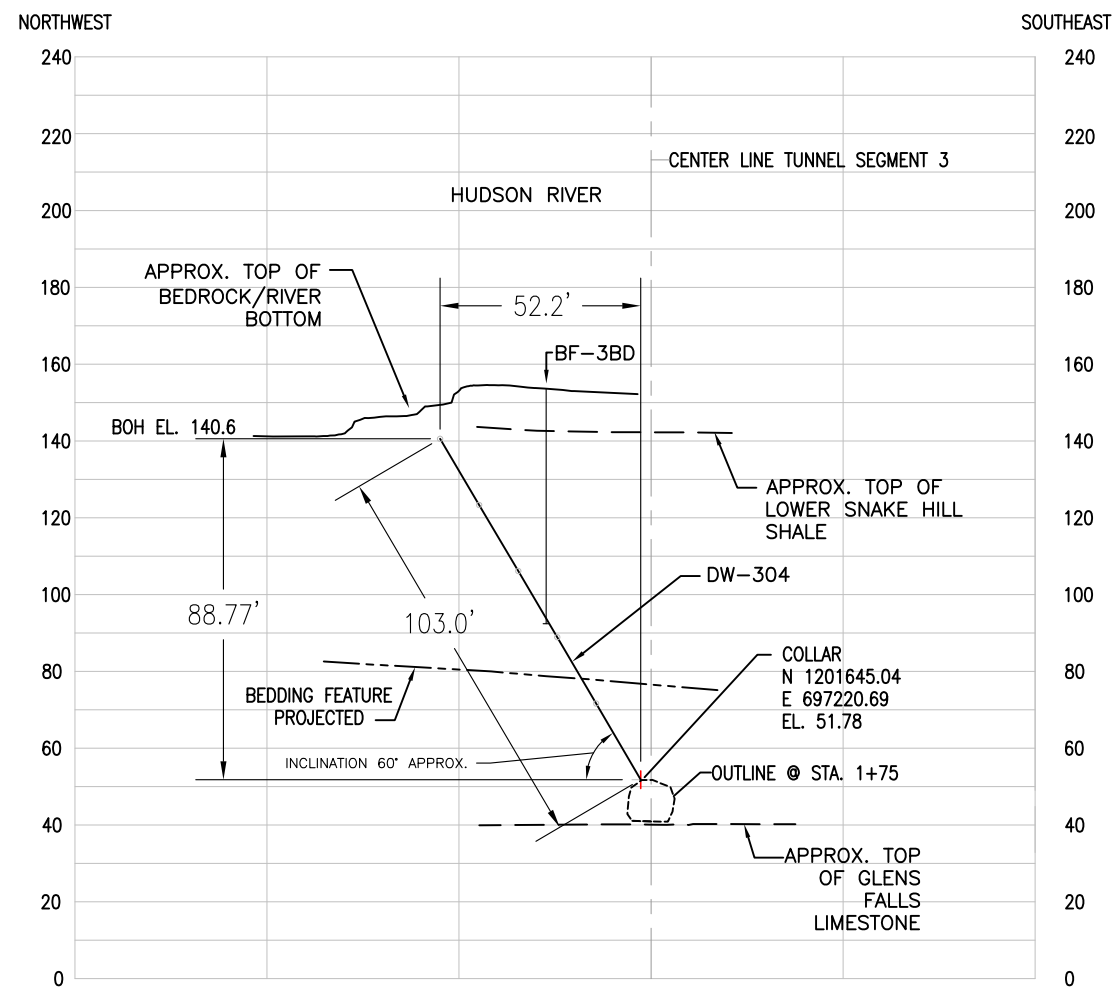


PLAN VIEW

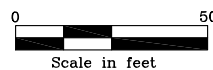


TITLE: DRAIN WELL DW-303 TUNNEL DRAIN COLLECTION SYSTEM			
LOCATION: GE HUDSON FALLS, NEW YORK			
 TETRA TECH GEO	APPROVED	JFB	FIGURE DW-303
	DRAFTED	RMK	
	PROJECT#	117-2204	
	DATE	APRIL 2011	

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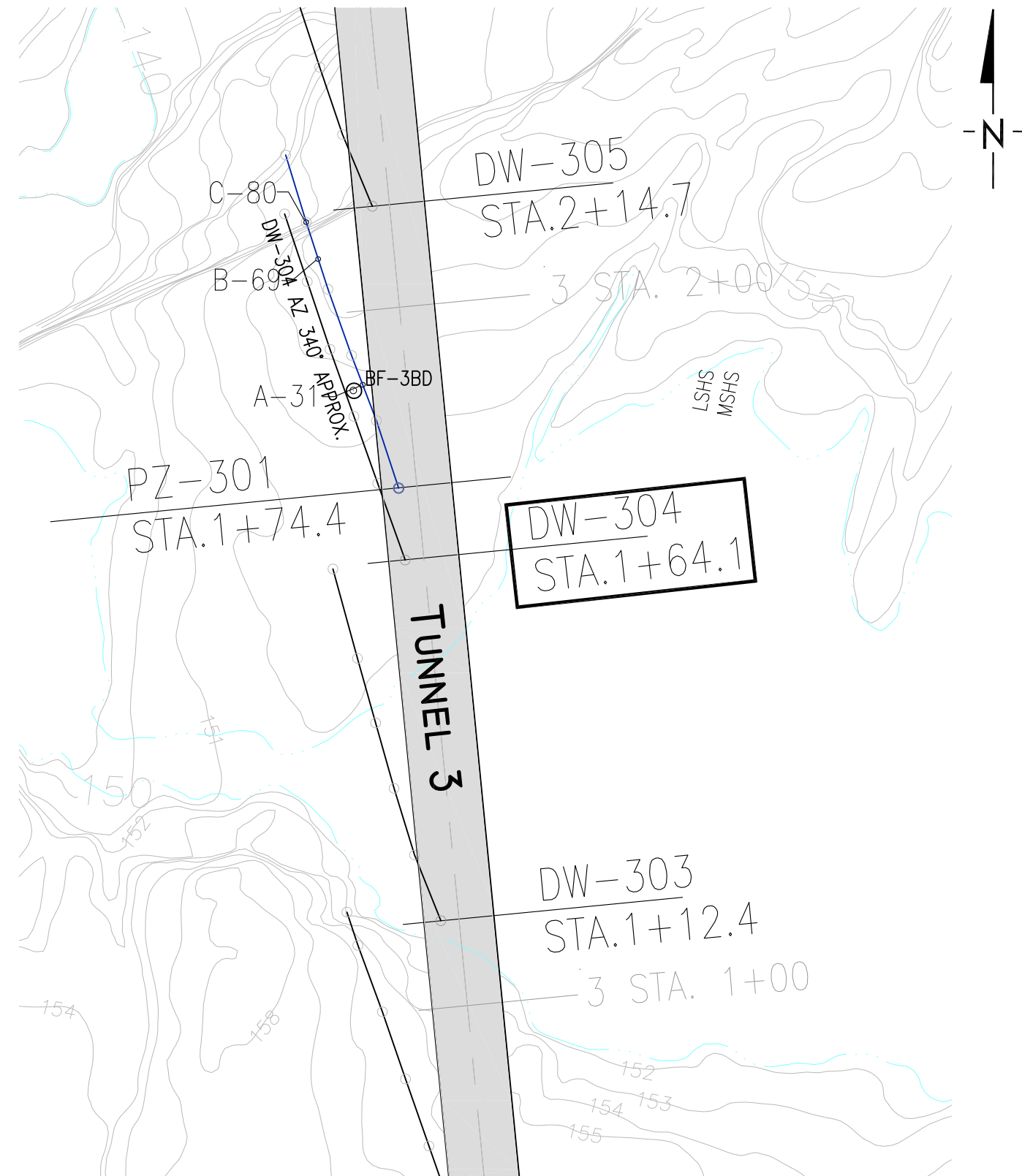


SECTION AT DW-304

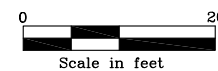


NOTE:

1. DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
2. DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
3. WATER IN FLOW RATE: 1 to 2 GPM AT END OF DRILLING (4/7/09)

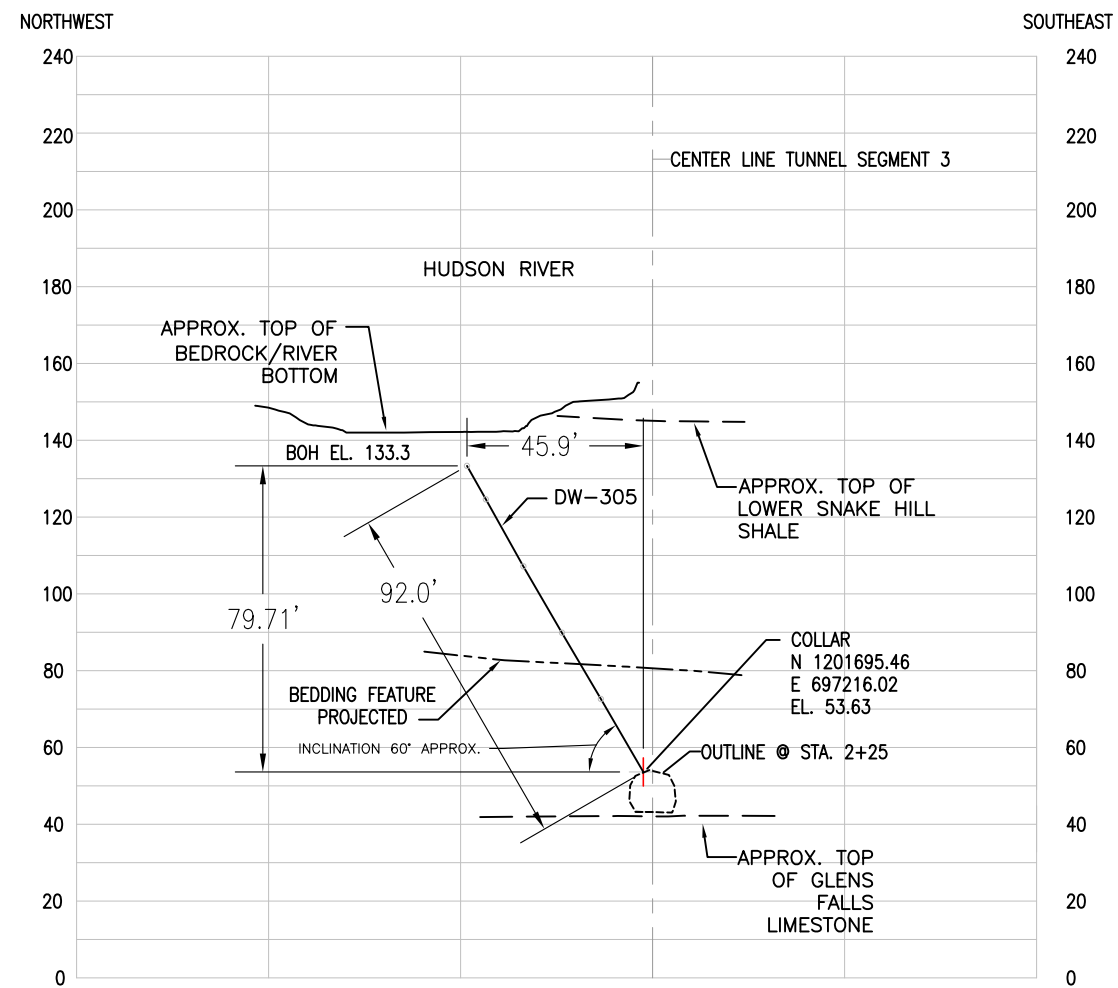


PLAN VIEW

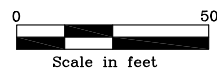


TITLE: DRAIN WELL DW-304 TUNNEL DRAIN COLLECTION SYSTEM			
LOCATION: GE HUDSON FALLS, NEW YORK			
 TETRA TECH GEO	APPROVED	JFB	FIGURE DW-304
	DRAFTED	RMK	
	PROJECT#	117-2204	
	DATE	APRIL 2011	

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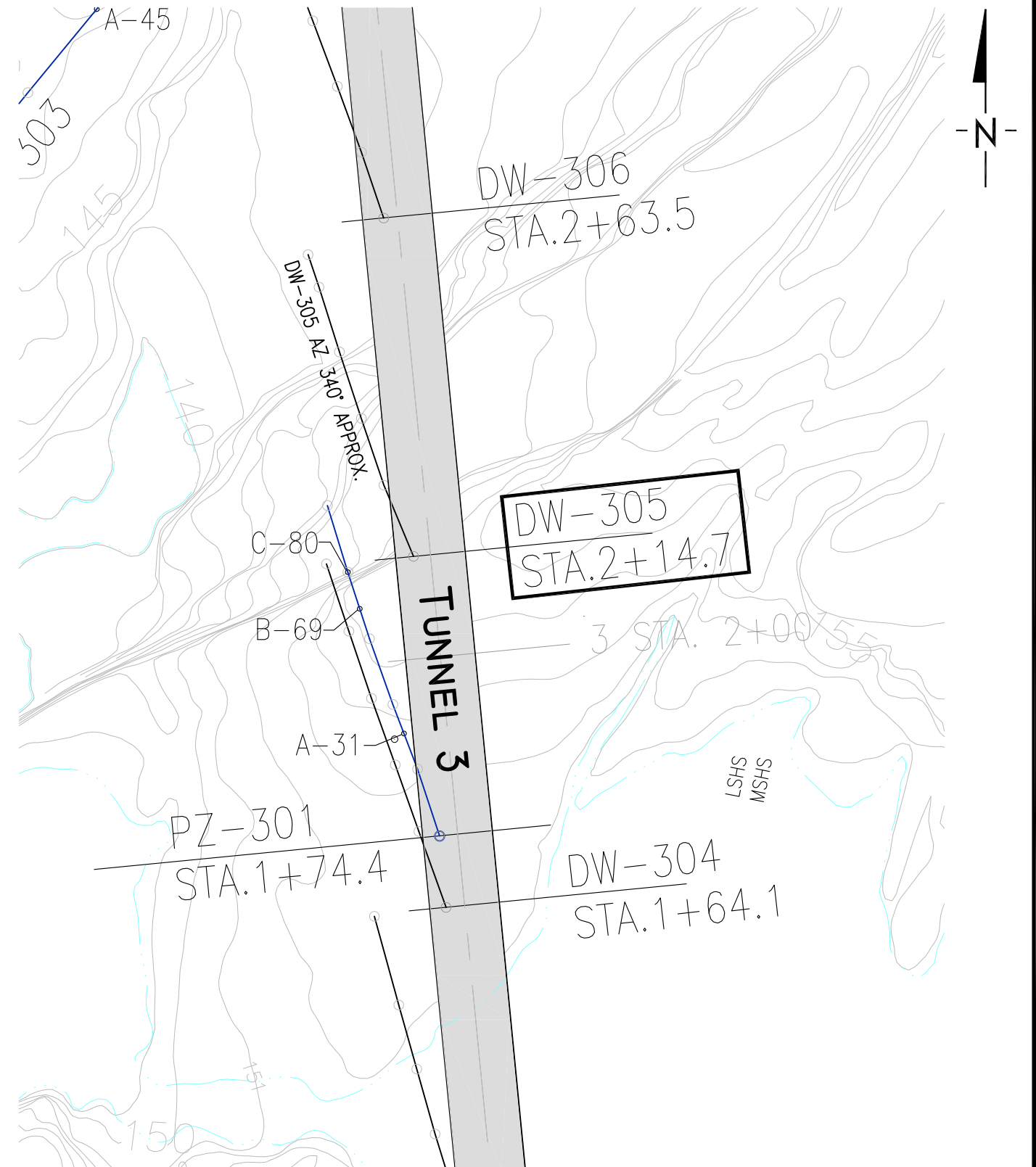


SECTION AT DW-305

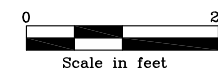


NOTE:

1. DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
2. DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
3. WATER IN FLOW RATE: 2 GPM AT END OF DRILLING (4/6/09)

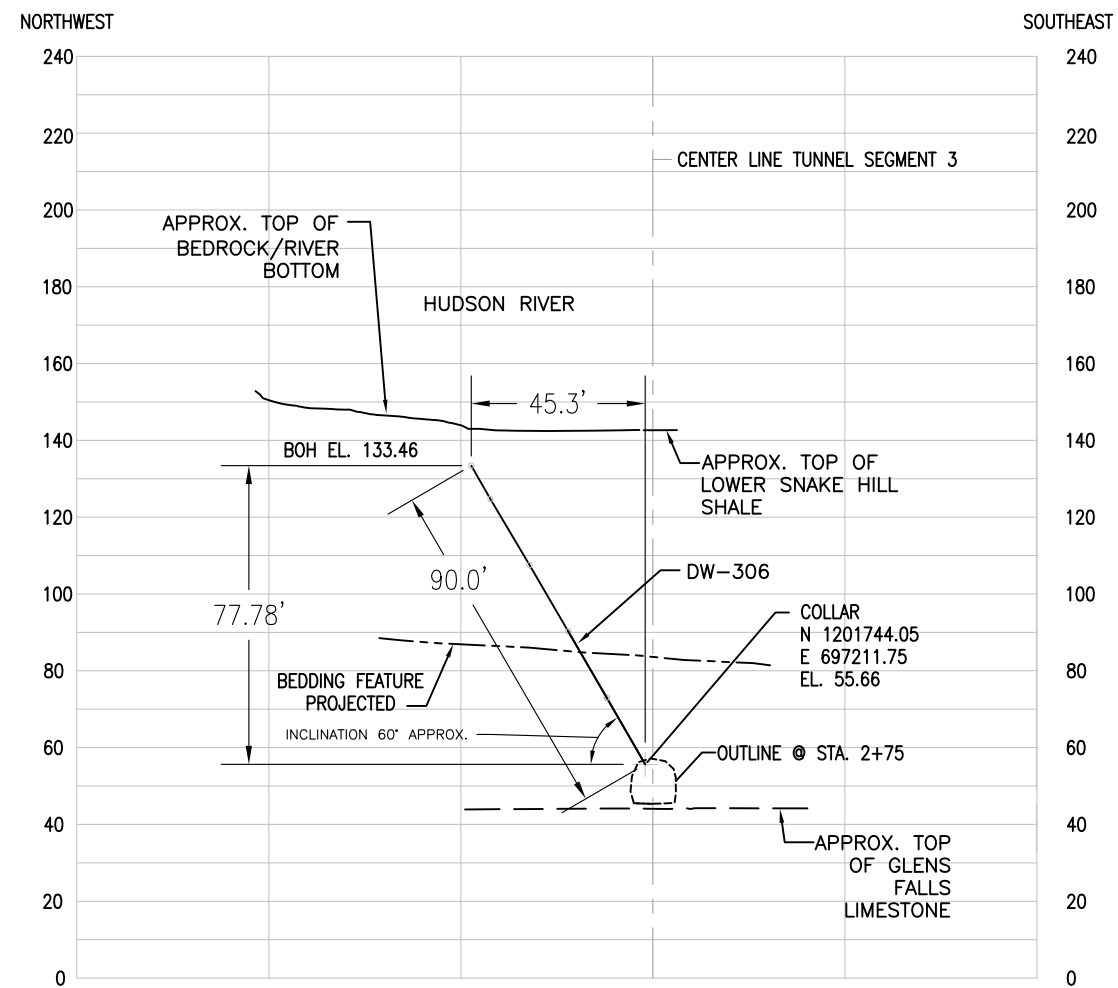


PLAN VIEW

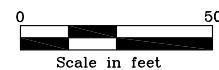


TITLE: DRAIN WELL DW-305 TUNNEL DRAIN COLLECTION SYSTEM			
LOCATION: GE HUDSON FALLS, NEW YORK			
 TETRA TECH GEO	APPROVED	JFB	FIGURE DW-305
	DRAFTED	RMK	
	PROJECT#	117-2204	
	DATE	APRIL 2011	

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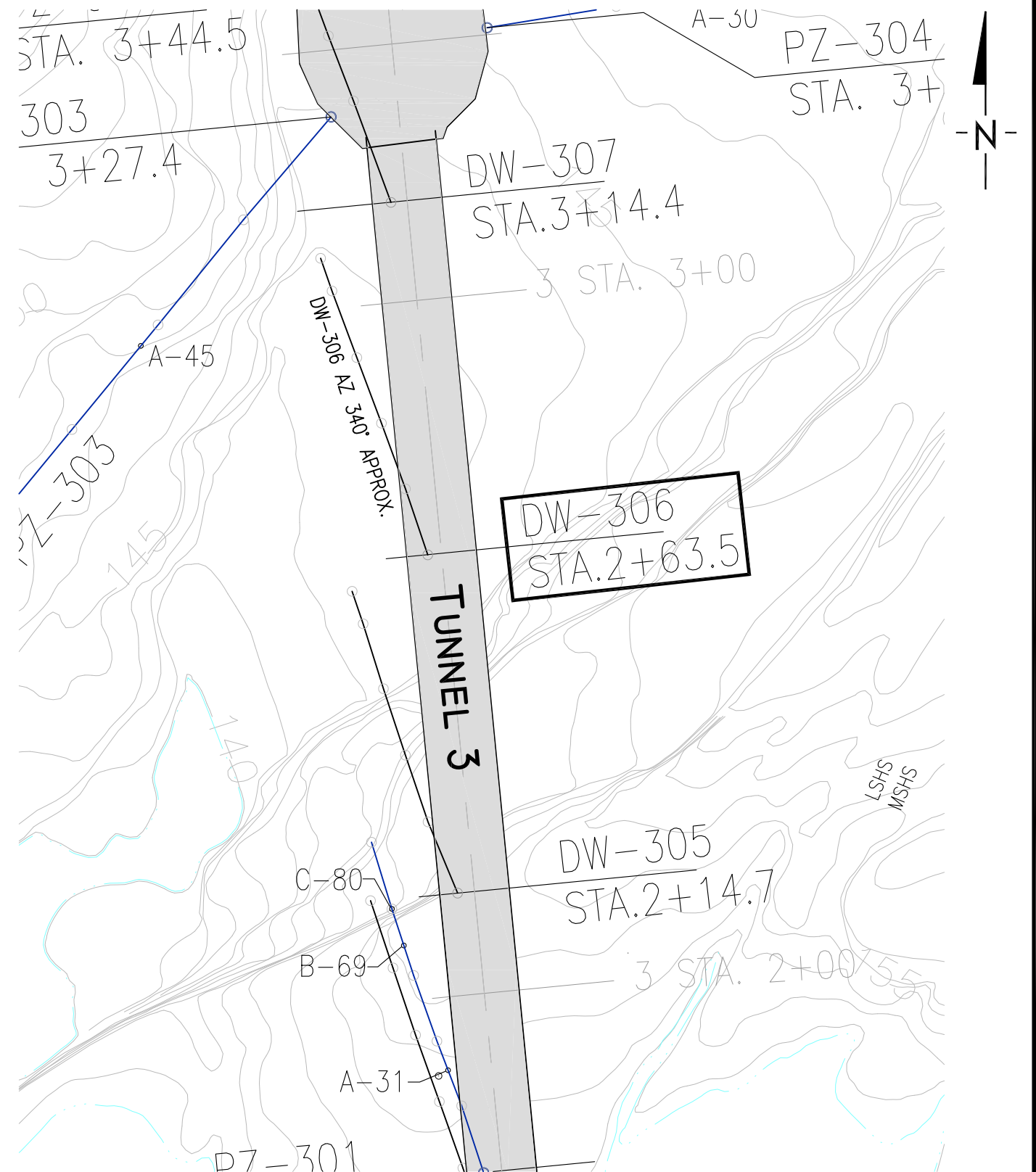


SECTION AT DW-306

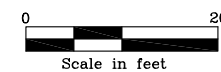


NOTE:

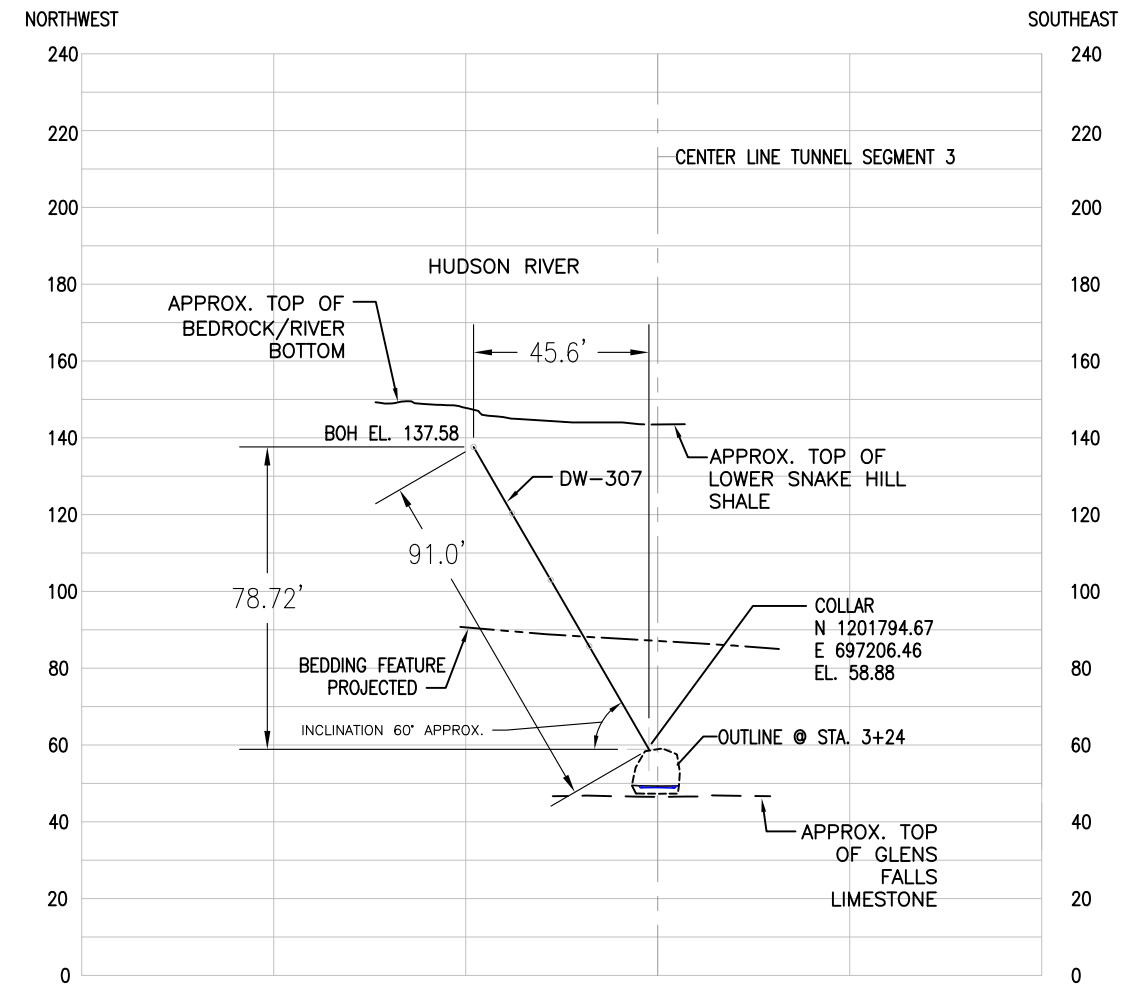
1. DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
2. DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
3. WATER IN FLOW RATE: 3 GPM AT END OF DRILLING (4/3/09)



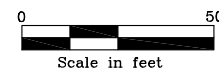
PLAN VIEW



TITLE: DRAIN WELL DW-3016 TUNNEL DRAIN COLLECTION SYSTEM			
LOCATION: GE HUDSON FALLS, NEW YORK			
	APPROVED	JFB	FIGURE DW-306
	DRAFTED	RMK	
	PROJECT#	117-2204	
	DATE	APRIL 2011	

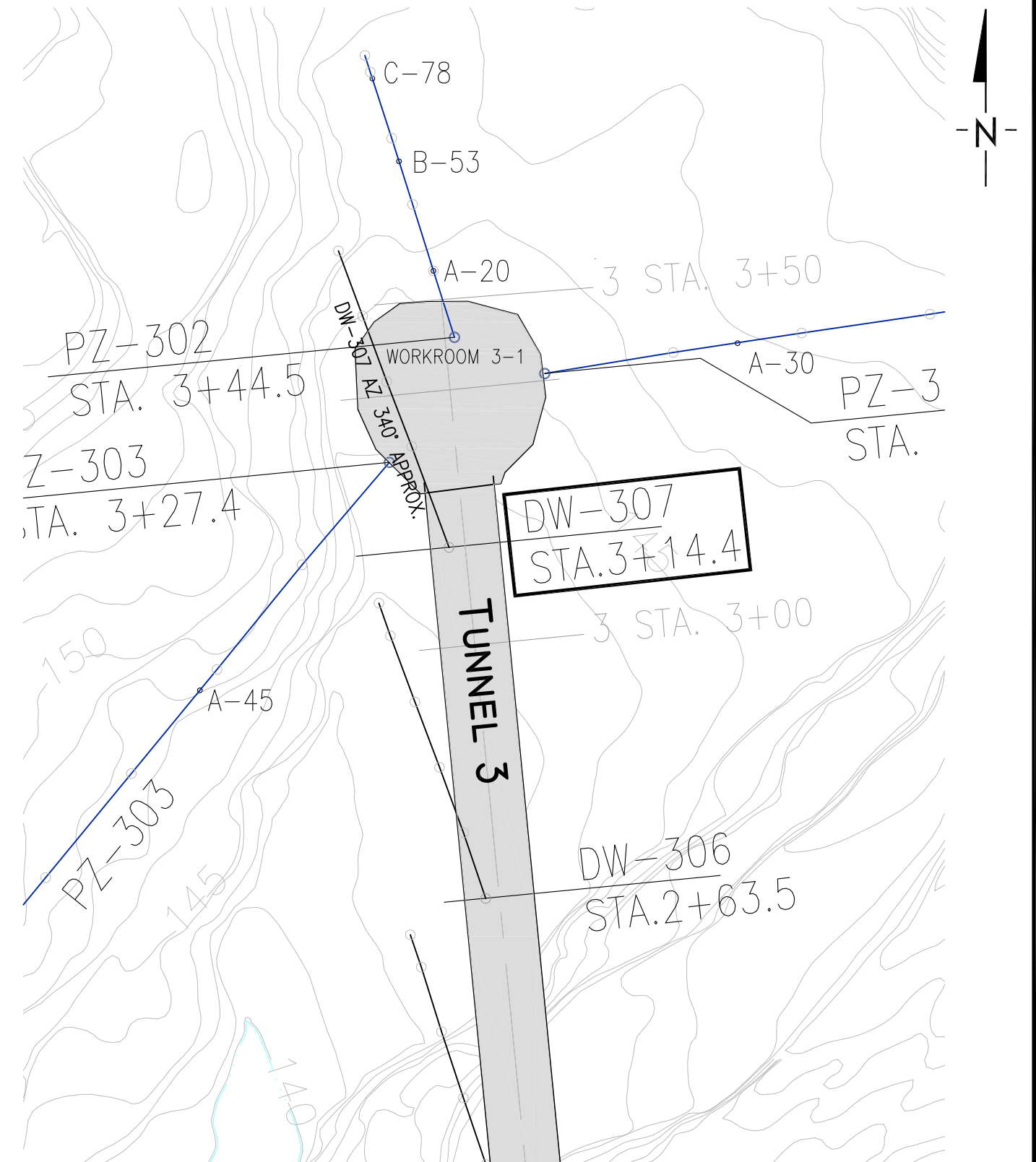


SECTION AT DW-307

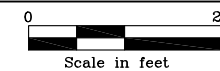


NOTE:

1. DRAIN WELL COLLAR LOCATION FROM DRILL LINE SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
2. DRAIN WELL ALIGNMENT AND INCLINATION BASED ON FIELD MEASUREMENTS OF DRILL RODS AT INITIAL SET UP AND BOREHOLE DEVIATION SURVEY SUBMITTED MAY 2009 BY MERCO/OBAYASHI
3. WATER IN FLOW RATE: LESS THAN 1 GPM AT END OF DRILLING (3/31/09)



PLAN VIEW



TITLE: DRAIN WELL DW-307 TUNNEL DRAIN COLLECTION SYSTEM			
LOCATION: GE HUDSON FALLS, NEW YORK			
 TETRA TECH GEO	APPROVED	JFB	FIGURE DW-307
	DRAFTED	RMK	
	PROJECT#	117-2204	
	DATE	APRIL, 2011	