

**SCREED ELEVATIONS:**

**FIELD PROCEDURES DURING PHASED CONSTRUCTION OF DECKS WITHOUT CLOSURE POURS**

1. SURVEY ELEVATIONS OF EXISTING BEAMS IN PHASE I AT THE LOCATIONS SHOWN IN THE TABLE PRIOR TO PHASE I DECK REMOVAL AND AFTER PHASE I DECK REMOVAL.
2. COMPUTE THE AMOUNT OF SURVEYED REBOUND FOR THESE BEAMS BY SUBTRACTING THE ELEVATIONS AFTER REMOVAL FROM THE ELEVATIONS BEFORE REMOVAL.
3. COMPUTE THE ADJUSTED REBOUND FOR THESE BEAMS BY MULTIPLYING THE SURVEYED REBOUND BY THE RATIO OF THE PROPOSED DEAD LOAD TO EXISTING DEAD LOAD.
4. ADD THE AMOUNT OF ADJUSTED REBOUND TO THE FINAL TOP OF DECK ELEVATIONS TO OBTAIN THE DECK SCREED ELEVATIONS. USE REBOUND OF CLOSEST BEAM TO DETERMINE GUTTER DECK SCREED ELEVATION.
5. AFTER PHASE I DECK PLACEMENT, REPEAT STEPS 1 THRU 4 FOR REMAINING BEAMS PRIOR TO AND AFTER PHASE 2 DECK REMOVAL.

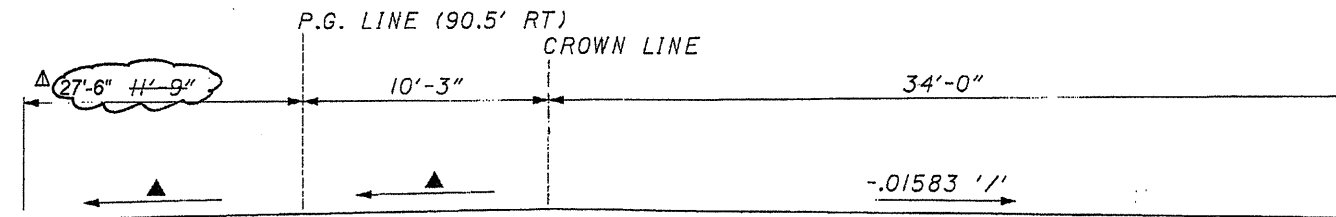
SUPERELEVATION TABLE	
STATION	▲ ('/')
149+75	-.01583
150+55	.00000
151+35	.01583

**NOTES:**

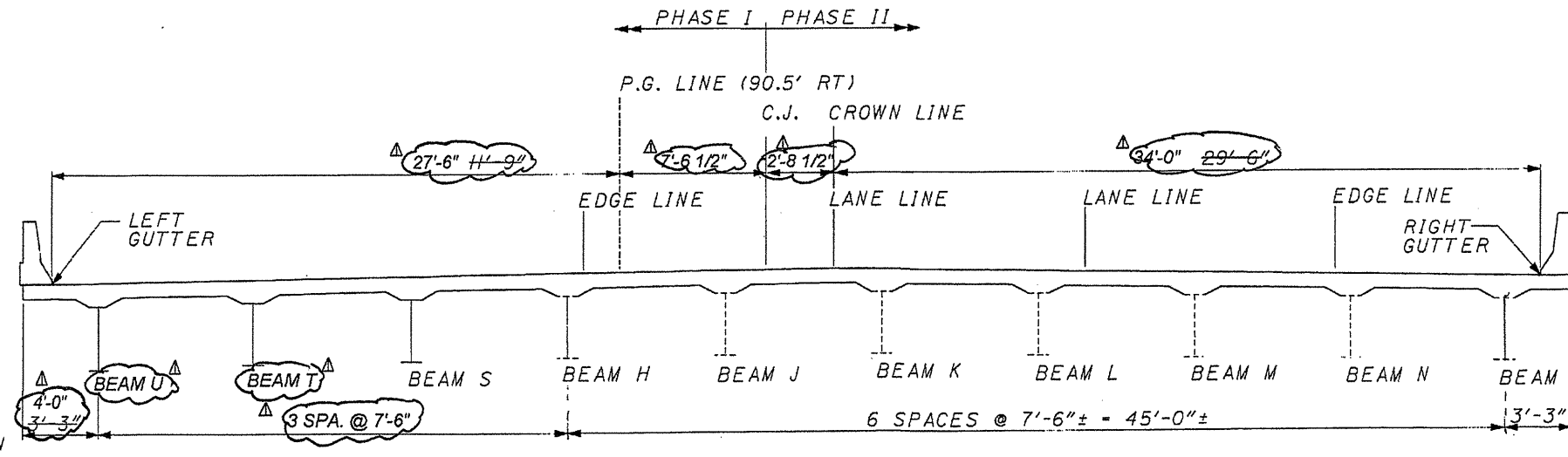
1. DECK SLAB DEPTH: THE QUANTITY OF DECK SLAB CONCRETE TO BE PAID FOR SHALL BE BASED ON THE MINIMUM REQUIRED DECK SLAB THICKNESS OF 8 1/2 INCHES. THE QUANTITY OF CONCRETE REQUIRED FOR THE HAUNCH SHALL BE BASED ON THE DESIGN HAUNCH OF 5 INCHES EVEN THOUGH DEVIATION FROM THAT DEPTH MAY BE NECESSARY BECAUSE THE TOP FLANGE OF THE BEAM MAY NOT BE PARALLEL TO THE FINISHED GRADE. ACTUAL HAUNCH DEPTHS MAY VARY FROM A 4 INCH MINIMUM TO A 5 1/2 INCH MAXIMUM.
2. A HAUNCH WIDTH OF 9 INCHES SHALL BE USED FOR COMPUTING QUANTITY OF CONCRETE. HOWEVER, THE HAUNCH WIDTH MAY VARY BETWEEN 6 AND 12 INCHES.
3. THE COST OF SURVEYING IS CONSIDERED INCIDENTAL TO DECK CONSTRUCTION AND SHALL BE INCLUDED WITH ITEM 844 - HIGH PERFORMANCE CONCRETE, SUPER-STRUCTURE (DECK) FOR PAYMENT.
4. FOR PHASE CONSTRUCTION DETAILS, SEE SHEETS 5 & 6 OF 64.

- \* - BEAM ELEVATION SURVEYED DURING CONSTRUCTION
- \*\* - SURVEYED REBOUND = BEAM ELEVATION BEFORE DECK REMOVAL MINUS BEAM ELEVATION AFTER DECK REMOVAL.
- \*\*\* - ADJUSTED REBOUND = RATIO OF PROPOSED DEAD LOAD TO EXISTING DEAD LOAD (PROVIDED BY THE DESIGNER) MULTIPLIED TIMES THE SURVEYED REBOUND
- \*\*\*\* - DECK SCREED ELEV. = ADJUSTED REBOUND ADDED TO THE FINAL TOP OF DECK ELEVATION

$$\frac{\text{PROPOSED DEAD LOAD}}{\text{EXISTING DEAD LOAD}} = 0.81$$



**SUPERELEVATION DIAGRAM**  
LOOKING UP STATION



**TRANSVERSE SECTION**  
LOOKING UP STATION

Δ 6-26-00 HNTB REVISIONS  
 DATE 2-12-99  
 REVIEWED DWL  
 DRAWN JAA  
 DESIGNED JAA  
 CHECKED CDC  
 STRUCTURE FILE NUMBER 1810174  
 REVISIONS  
 SCREED ELEVATION NOTES AND DETAILS  
 BRIDGE NO. CUY-271-0232R  
 I-271 NB OVER TINKERS CREEK VALLEY  
 CUY-271-2.32  
 29/45  
 48  
 64

PLOT SUBMITTED:\*\*\*\*\*SYTIME\*\*\*\*\*

10467SD2.DGN

PLOTTED BY: \$USERNAME\$  
 PLOTTED FROM: \$\$\$\$\$\$DGN\$SPEC\$\*\*\*\*\*

UNIT	1											2	
	ELEVATION LOCATION	SPAN 1			SPAN 2			SPAN 3					
Ø BEARING REAR ABUT.		½ SPAN	Ø PIER 1	¼ SPAN	½ SPAN	¾ SPAN	Ø PIER 2	¼ SPAN	½ SPAN	¾ SPAN	Ø ROLLER	Ø PIER 3	
CONST. JOINT FINAL TOP DECK ELEV.	947.17	946.92	946.69	946.57	946.45	946.34	946.24	946.14	946.06	945.98	945.95	945.90	
***ADJUSTED REBOUND FROM BEAM E													
CONST. JOINT DECK SCREED ELEV.	947.17		946.69				946.24					945.90	
BEAM K	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	947.20	946.95	946.73	946.60	946.49	946.38	946.27	946.18	946.09	946.01	945.99	945.94
***DECK SCREED ELEV.	947.20		946.73				946.27					945.94	
CROWN FINAL TOP DECK ELEV.	947.24	946.99	946.77	946.64	946.52	946.41	946.31	946.21	946.13	946.05	946.02	945.97	
***ADJUSTED REBOUND FROM BEAM K													
CROWN DECK SCREED ELEV.	947.24		946.77				946.31					945.97	
BEAM J	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	947.16	946.91	946.69	946.56	946.44	946.33	946.23	946.13	946.04	945.96	945.94	945.89
***DECK SCREED ELEV.	947.16		946.69				946.23					945.89	
BASELINE 90.5' RT. FINAL TOP DECK ELEV.	947.09	946.84	946.61	946.48	946.36	946.25	946.15	946.05	945.96	945.88	945.86	945.81	
BEAM H	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	947.05	946.80	946.57	946.45	946.33	946.21	946.11	946.01	945.92	945.84	945.82	945.77
***DECK SCREED ELEV.	947.05		946.57				946.11					945.77	
BEAM S	FINAL TOP DECK ELEV.	946.94	946.69	946.46	946.33	946.21	946.10	945.99	945.89	945.81	945.73	945.70	945.65
	***DECK SCREED ELEV.	946.94	946.71	946.46	946.35	946.24	946.11	945.99	945.90	945.81	945.73	945.70	945.65
BEAM T	FINAL TOP DECK ELEV.	946.83	946.58	946.35	946.21	946.09	945.99	945.87	945.77	945.70	945.62	945.58	945.53
	***DECK SCREED ELEV.	946.83	946.60	946.35	946.23	946.12	946.01	945.87	945.78	945.71	945.62	945.57	945.53
BEAM U	FINAL TOP DECK ELEV.	946.72	946.47	946.24	946.09	945.97	945.88	945.75	945.65	945.59	945.51	945.46	945.41
	***DECK SCREED ELEV.	946.72	946.49	946.24	946.11	946.00	945.90	945.75	945.66	945.60	945.51	945.45	945.41
LEFT GUTTER FINAL TOP DECK ELEV.	946.68	946.43	946.20	946.05	945.93	945.84	945.71	945.61	945.55	945.47	945.42	945.37	
LEFT GUTTER DECK SCREED ELEV.	946.68	946.45	946.20	946.07	945.96	945.86	945.71	945.62	945.57	945.47	945.41	945.37	

SEE SHEET [29/45] FOR NOTES, SUPERELEVATION DIAGRAM, SUPERELEVATION TABLE, AND TRANSVERSE SECTION.

6-26-00 HNTB REVISIONS

REVISION	DATE	BY
DWL	2-12-99	CDC
STRUCTURE FILE NUMBER	1810774	
DESIGNED	JAA	CDC
CHECKED		
REVIEWED		

DECK SCREED ELEVATIONS PHASE 1 (1 OF 5)  
 BRIDGE NO. CUY-271-0232R  
 I-271 NB OVER TINKERS CREEK VALLEY

CUY-271-2.32

29A/45  
 48A/64

PLOT SUBMITTED:\$\$\$\$SYTIME\$\$\$\$

10467SD2.DGN

PLOTTED BY: \$USERNAME\$  
 PLOTTED FROM: \$\$\$\$\$\$DGN\$SPEC\$\$\$\$\$

UNIT		2											
ELEVATION LOCATION		SPAN 4				SPAN 5				SPAN 6			
		1/4 SPAN	1/2 SPAN	3/4 SPAN	¢ PIER 4	¢ SPLICE	1/4 SPAN	1/2 SPAN	3/4 SPAN	¢ PIER 5	¢ SPLICE	1/4 SPAN	1/2 SPAN
CONST. JOINT FINAL TOP DECK ELEV.		945.81	945.74	945.67	945.62	945.60	945.58	945.56	945.56	945.59	945.61	945.63	945.69
***ADJUSTED REBOUND FROM BEAM E													
CONST. JOINT DECK SCREED ELEV.					945.62					945.59			
BEAM K	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	945.85	945.77	945.71	945.66	945.63	945.62	945.60	945.60	945.62	945.65	945.66	945.73
****DECK SCREED ELEV.					945.66				945.62				
CROWN FINAL TOP DECK ELEV.		945.88	945.81	945.74	945.70	945.67	945.65	945.63	945.64	945.66	945.68	945.70	945.76
***ADJUSTED REBOUND FROM BEAM K													
CROWN DECK SCREED ELEV.					945.70					945.66			
BEAM J	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	945.80	945.72	945.66	945.61	945.58	945.57	945.55	945.55	945.57	945.60	945.62	945.68
****DECK SCREED ELEV.					945.61				945.57				
BASELINE 90.5' RT. FINAL TOP DECK ELEV.		945.72	945.64	945.58	945.53	945.50	945.49	945.47	945.47	945.49	945.52	945.54	945.60
BEAM H	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	945.68	945.60	945.54	945.49	945.46	945.45	945.43	945.43	945.46	945.48	945.50	945.56
****DECK SCREED ELEV.					945.49				945.46				
BEAM S	FINAL TOP DECK ELEV.	945.56	945.49	945.42	945.37	945.35	945.33	945.31	945.31	945.34	945.36	945.38	945.44
	****DECK SCREED ELEV.	945.57	945.50	945.43	945.37	945.37	945.36	945.36	945.34	945.34	945.37	945.40	945.48
BEAM T	FINAL TOP DECK ELEV.	945.44	945.38	945.30	945.25	945.24	945.21	945.19	945.19	945.22	945.24	945.26	945.32
	****DECK SCREED ELEV.	945.46	945.41	945.31	945.25	945.26	945.24	945.23	945.21	945.22	945.25	945.28	945.36
BEAM U	FINAL TOP DECK ELEV.	945.32	945.27	945.18	945.13	945.13	945.09	945.07	945.07	945.10	945.12	945.14	945.20
	****DECK SCREED ELEV.	945.34	945.30	945.19	945.13	945.15	945.12	945.11	945.09	945.10	945.13	945.16	945.24
LEFT GUTTER FINAL TOP DECK ELEV.		945.28	945.23	945.14	945.09	945.09	945.05	945.03	945.03	945.06	945.08	945.10	945.16
LEFT GUTTER DECK SCREED ELEV.		945.30	945.26	945.15	945.09	945.11	945.08	945.07	945.05	945.06	945.09	945.12	945.20

SEE SHEET [29/45] FOR NOTES, SUPERELEVATION DIAGRAM, SUPERELEVATION TABLE, AND TRANSVERSE SECTION.

6-26-00 HNTB REVISIONS

DESIGNED	JAA	CHECKED	
DRAWN	CDC	REVIEWED	
REVIEWED	DWL	DATE	2-12-99
STRUCTURE FILE NUMBER	1810774		

DECK SCREED ELEVATIONS PHASE 1 (2 OF 5)  
 BRIDGE NO. CUY-271-0232R  
 I-271 NB OVER TIMKERS CREEK VALLEY

CUY-271-2.32

29B/45

48B/64

PLOT SUBMITTED:\$\$\$\$SYTIME\$\$\$\$

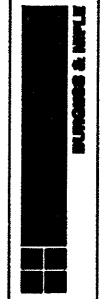
10467SD2.DGN

PLOTTED BY: \$USERNAME\$  
 PLOTTED FROM: \$\$\$\$DGN\$SPEC\$\$\$\$

UNIT	2												
	SPAN 6			SPAN 7				SPAN 8					
	3/4 SPAN	¢ PIER 6	¢ SPLICE	1/4 SPAN	1/2 SPAN	3/4 SPAN	¢ SPLICE	¢ PIER 7	1/4 SPAN	1/2 SPAN	3/4 SPAN	¢ SPLICE	
CONST. JOINT FINAL TOP DECK ELEV.	945.78	945.88	945.96	946.01	946.15	946.32	946.39	946.51	946.72	946.95	947.20	947.29	
***ADJUSTED REBOUND FROM BEAM E													
CONST. JOINT DECK SCREED ELEV.		945.88						946.51					
BEAM K	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	945.81	945.92	945.99	946.04	946.19	946.36	946.42	946.54	946.75	946.98	947.23	947.33
****DECK SCREED ELEV.		945.92						946.54					
CROWN FINAL TOP DECK ELEV.	945.85	945.95	946.03	946.08	946.22	946.39	946.46	946.58	946.79	947.02	947.27	947.37	
***ADJUSTED REBOUND FROM BEAM K													
CROWN DECK SCREED ELEV.		945.95						946.58					
BEAM J	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	945.76	945.87	945.95	945.99	946.14	946.31	946.37	946.50	946.71	946.94	947.19	947.28
****DECK SCREED ELEV.		945.87						946.50					
BASELINE 90.5' RT. FINAL TOP DECK ELEV.	945.68	945.79	945.87	945.92	946.06	946.23	946.30	946.42	946.63	946.86	947.11	947.20	
BEAM H	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	945.65	945.75	945.83	945.88	946.02	946.19	946.26	946.38	946.59	946.82	947.07	947.16
****DECK SCREED ELEV.		945.75						946.38					
BEAM S	FINAL TOP DECK ELEV.	945.53	945.63	945.71	945.76	945.90	946.07	946.14	946.26	946.47	946.70	946.95	947.05
	****DECK SCREED ELEV.	945.55	945.63	945.72	945.78	945.94	946.09	946.15	946.26	946.49	946.74	946.98	947.07
BEAM T	FINAL TOP DECK ELEV.	945.41	945.51	945.59	945.64	945.78	945.95	946.02	946.14	946.35	946.58	946.83	946.94
	****DECK SCREED ELEV.	945.43	945.51	945.61	945.66	945.82	945.97	946.03	946.14	946.37	946.63	946.86	944.96
BEAM U	FINAL TOP DECK ELEV.	945.29	945.39	945.47	945.52	945.66	945.83	945.90	946.02	946.23	946.46	946.71	946.83
	****DECK SCREED ELEV.	945.31	945.39	945.49	945.54	945.70	945.85	945.91	946.02	946.25	946.51	946.74	946.85
LEFT GUTTER FINAL TOP DECK ELEV.	945.25	945.35	945.43	945.48	945.62	945.79	945.86	946.98	946.19	946.42	946.67	946.79	
LEFT GUTTER DECK SCREED ELEV.	945.27	945.35	945.45	945.50	945.66	945.81	945.87	946.98	946.21	946.47	946.70	946.81	

SEE SHEET [29745] FOR NOTES,  
 SUPERELEVATION DIAGRAM,  
 SUPERELEVATION TABLE, AND  
 TRANSVERSE SECTION.

6-26-00 HNTB REVISIONS



DATE REVISED: 2-12-99  
 DWL: 2-12-99  
 STRUCTURE FILE NUMBER: 1810774  
 DESIGNED: JAA  
 CHECKED: CDC

DECK SCREED ELEVATIONS PHASE 1 (3 OF 5)  
 BRIDGE NO. CUY-271-0232R  
 1-271 NB OVER TINKERS CREEK VALLEY

CUY-271-2.32

29C/45  
 48C  
 64

PLOT SUBMITTED:\$\$\$\$SYTIME\$\$\$\$

10467SD2.DGN

PLOTTED BY: \$USERNAME\$  
 PLOTTED FROM: \$\$\$\$\$\$DGN\$SPEC\$\$\$\$

UNIT	2						3						
	SPAN 9						SPAN 10			SPAN 11			
	¢ PIER 8	¼ SPAN	½ SPAN	¾ SPAN	¢ PIER 9	¢ ROLLER	¼ SPAN	½ SPAN	¾ SPAN	¢ PIER 10	¼ SPAN	½ SPAN	
CONST. JOINT FINAL TOP DECK ELEV.	947.47	947.71	947.96	948.22	948.50	948.64	948.78	949.07	949.37	949.69	950.02	950.37	
***ADJUSTED REBOUND FROM BEAM E													
CONST. JOINT DECK SCREED ELEV.	947.47				948.50					949.69			
BEAM K	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	947.51	947.74	947.99	948.26	948.54	948.68	948.81	949.10	949.41	949.72	950.06	950.40
****DECK SCREED ELEV.	947.51				948.54				949.72				
CROWN FINAL TOP DECK ELEV.	947.54	947.78	948.03	948.29	948.57	949.71	948.85	949.14	949.44	949.76	950.09	950.44	
***ADJUSTED REBOUND FROM BEAM K													
CROWN DECK SCREED ELEV.	947.54				948.57					949.76			
BEAM J	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	947.46	947.70	947.95	948.21	948.49	948.63	948.77	949.06	949.36	949.67	950.01	950.36
****DECK SCREED ELEV.	947.46				948.49				949.67				
BASELINE 90.5' RT. FINAL TOP DECK ELEV.	947.38	947.62	947.87	948.13	948.41	948.55	948.69	948.98	949.28	949.60	949.93	950.28	
BEAM H	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	947.34	947.58	947.83	948.09	948.37	948.51	948.65	948.94	949.24	949.56	949.89	950.24
****DECK SCREED ELEV.	947.34				948.37				949.56				
BEAM S	FINAL TOP DECK ELEV.	947.22	947.46	947.71	947.97	948.25	948.39	948.53	948.82	949.12	949.44	949.77	950.12
	****DECK SCREED ELEV.	947.22	947.46	947.72	947.98	948.25	948.40	948.55	948.85	949.14	949.44	949.80	950.17
BEAM T	FINAL TOP DECK ELEV.	947.10	947.34	947.59	947.85	948.13	948.27	948.41	948.70	949.00	949.32	949.65	950.00
	****DECK SCREED ELEV.	947.10	947.35	947.61	947.87	948.13	948.27	948.43	948.75	949.03	949.32	949.69	950.05
BEAM U	FINAL TOP DECK ELEV.	946.98	947.22	947.47	947.73	948.01	948.15	948.29	948.58	948.88	949.20	949.53	949.88
	****DECK SCREED ELEV.	946.98	947.23	947.49	947.75	948.01	948.15	948.31	948.63	948.91	949.20	949.56	949.93
LEFT GUTTER FINAL TOP DECK ELEV.	946.94	947.18	947.43	947.69	947.97	948.11	948.25	948.54	948.84	949.16	949.49	949.84	
LEFT GUTTER DECK SCREED ELEV.	946.94	947.19	947.45	947.71	947.97	948.11	948.27	948.59	948.87	949.16	949.52	949.89	

SEE SHEET [29/45] FOR NOTES, SUPERELEVATION DIAGRAM, SUPERELEVATION TABLE, AND TRANSVERSE SECTION.

6-26-00 HNTB REVISIONS

DESIGNED	JAA	CHECKED	CDC
DRAWN	CDC	REVISION	
REVIEWED	DWL	DATE	2-12-99
STRUCTURE FILE NUMBER	1810774		

DECK SCREED ELEVATIONS PHASE I (4 OF 5)  
 BRIDGE NO. CUY-271-0232R  
 I-271 NB OVER TINKERS CREEK VALLEY

CUY-271-2.32

290/45

480/64

PLOT SUBMITTED:\$\$\$\$SYTIME\$\$\$\$

10467SD2.DGN

PLOTTED BY: \$\$USERNAME\$\$  
 PLOTTED FROM: \$\$\$\$\$\$DGNSPC\$\$\$\$\$

UNIT	3														
	SPAN 11		SPAN 12			SPAN 13			SPAN 14				C. BEARING FWD. ABUT.		
	3/4 SPAN	C. PIER 11	1/4 SPAN	1/2 SPAN	3/4 SPAN	C. PIER 12	1/4 SPAN	1/2 SPAN	3/4 SPAN	C. PIER 13	1/4 SPAN	1/2 SPAN		3/4 SPAN	
CONST. JOINT FINAL TOP DECK ELEV.	950.73	951.10	951.48	951.85	952.20	952.55	952.86	953.16	952.46	953.75	953.97	954.19	954.41	954.62	
***ADJUSTED REBOUND FROM BEAM E															
CONST. JOINT DECK SCREED ELEV.		951.10				952.55				953.75				954.62	
BEAM K	*ELEV. AFTER DECK REMOVAL														
	*ELEV. BEFORE DECK REMOVAL														
	**SURVEYED REBOUND														
	***ADJUSTED REBOUND														
	FINAL TOP DECK ELEV.	950.76	951.14	951.51	951.88	952.23	952.58	952.89	953.19	953.49	953.78	954.00	954.22	954.43	954.65
***DECK SCREED ELEV.		951.14				952.58				953.78				954.65	
CROWN FINAL TOP DECK ELEV.	950.80	951.17	951.54	951.91	952.26	952.61	952.91	953.22	953.51	953.81	954.03	954.25	954.46	954.67	
***ADJUSTED REBOUND FROM BEAM K															
CROWN DECK SCREED ELEV.		951.17				952.61				953.81				954.67	
BEAM J	*ELEV. AFTER DECK REMOVAL														
	*ELEV. BEFORE DECK REMOVAL														
	**SURVEYED REBOUND														
	***ADJUSTED REBOUND														
	FINAL TOP DECK ELEV.	950.72	951.09	951.46	951.82	952.16	952.51	952.83	953.15	953.47	953.78	954.02	954.25	954.48	954.70
***DECK SCREED ELEV.		951.09				952.51				953.78				954.70	
BASELINE 90.5' RT. FINAL TOP DECK ELEV.	950.64	951.01	951.37	951.72	952.06	952.41	952.76	953.10	953.43	953.76	954.01	954.25	954.50	954.74	
BEAM H	*ELEV. AFTER DECK REMOVAL														
	*ELEV. BEFORE DECK REMOVAL														
	**SURVEYED REBOUND														
	***ADJUSTED REBOUND														
	FINAL TOP DECK ELEV.	950.60	950.97	951.33	951.68	952.02	952.36	952.71	953.06	953.40	953.74	953.99	954.25	954.50	954.74
***DECK SCREED ELEV.		950.97				952.36				953.74				954.74	
BEAM S	FINAL TOP DECK ELEV.	950.48	950.85	951.20	951.54	951.87	952.20	952.58	952.96	953.33	953.69	953.97	953.24	954.51	954.78
	***DECK SCREED ELEV.	950.51	950.85	951.21	951.57	951.88	952.20	952.60	952.99	953.35	953.69	953.98	953.26	954.53	954.78
BEAM T	FINAL TOP DECK ELEV.	950.36	950.73	951.07	951.40	951.72	952.04	952.45	952.86	953.26	953.64	953.95	954.23	954.52	954.82
	***DECK SCREED ELEV.	950.39	950.73	951.08	951.42	951.73	952.04	952.47	952.90	953.28	953.64	953.96	954.26	954.54	954.82
BEAM U	FINAL TOP DECK ELEV.	950.24	950.61	950.94	951.26	951.57	951.88	952.32	952.76	953.19	953.59	953.93	954.22	954.53	954.86
	***DECK SCREED ELEV.	950.27	950.61	950.95	951.28	951.58	951.88	952.35	952.80	953.22	953.59	953.94	954.25	954.55	954.86
LEFT GUTTER FINAL TOP DECK ELEV.	950.20	950.57	950.90	951.21	951.52	951.83	952.28	952.73	953.17	953.57	953.92	954.22	954.53	954.87	
LEFT GUTTER DECK SCREED ELEV.	950.23	950.57	950.90	951.23	951.53	951.83	952.30	952.77	953.19	953.57	953.94	954.24	954.56	954.87	

SEE SHEET [29/45] FOR NOTES,  
 SUPERELEVATION DIAGRAM,  
 SUPERELEVATION TABLE, AND  
 TRANSVERSE SECTION.

6-26-00 HNTB REVISIONS



DATE  
 2-12-99  
 DWL  
 STRUCTURE FILE NUMBER  
 1810774

DESIGNED  
 JAA  
 CHECKED  
 CDC

DECK SCREED ELEVATIONS PHASE 1 (5 OF 5)  
 BRIDGE NO. CUY-271-0232R  
 I-271 NB OVER TINKERS CREEK VALLEY

CUY-271-2.32

29E/45  
 48E  
 64

**SCREED ELEVATIONS:**

FIELD PROCEDURES DURING PHASED CONSTRUCTION OF DECKS WITHOUT CLOSURE POURS

1. SURVEY ELEVATIONS OF EXISTING BEAMS IN PHASE I AT THE LOCATIONS SHOWN IN THE TABLE PRIOR TO PHASE I DECK REMOVAL AND AFTER PHASE I DECK REMOVAL.
2. COMPUTE THE AMOUNT OF SURVEYED REBOUND FOR THESE BEAMS BY SUBTRACTING THE ELEVATIONS AFTER REMOVAL FROM THE ELEVATIONS BEFORE REMOVAL.
3. COMPUTE THE ADJUSTED REBOUND FOR THESE BEAMS BY MULTIPLYING THE SURVEYED REBOUND BY THE RATIO OF THE PROPOSED DEAD LOAD TO EXISTING DEAD LOAD.
4. ADD THE AMOUNT OF ADJUSTED REBOUND TO THE FINAL TOP OF DECK ELEVATIONS TO OBTAIN THE DECK SCREED ELEVATIONS. USE REBOUND OF CLOSEST BEAM TO DETERMINE GUTTER DECK SCREED ELEVATION.
5. AFTER PHASE I DECK PLACEMENT, REPEAT STEPS 1 THRU 4 FOR REMAINING BEAMS PRIOR TO AND AFTER PHASE 2 DECK REMOVAL.

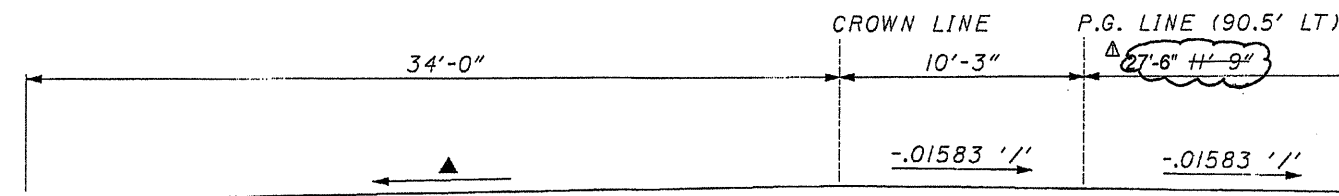
**NOTES:**

1. DECK SLAB DEPTH: THE QUANTITY OF DECK SLAB CONCRETE TO BE PAID FOR SHALL BE BASED ON THE MINIMUM REQUIRED DECK SLAB THICKNESS OF 8 1/2 INCHES. THE QUANTITY OF CONCRETE REQUIRED FOR THE HAUNCH SHALL BE BASED ON THE DESIGN HAUNCH OF 5 INCHES EVEN THOUGH DEVIATION FROM THAT DEPTH MAY BE NECESSARY BECAUSE THE TOP FLANGE OF THE BEAM MAY NOT BE PARALLEL TO THE FINISHED GRADE. ACTUAL HAUNCH DEPTHS MAY VARY FROM A 4 INCH MINIMUM TO A 5 1/2 INCH MAXIMUM.
2. A HAUNCH WIDTH OF 9 INCHES SHALL BE USED FOR COMPUTING QUANTITY OF CONCRETE. HOWEVER, THE HAUNCH WIDTH MAY VARY BETWEEN 6 AND 12 INCHES.
3. THE COST OF SURVEYING IS CONSIDERED INCIDENTAL TO DECK CONSTRUCTION AND SHALL BE INCLUDED WITH ITEM 844 - HIGH PERFORMANCE CONCRETE, SUPER-STRUCTURE (DECK) FOR PAYMENT.
4. FOR PHASE CONSTRUCTION DETAILS, SEE SHEETS 5 & 6 OF 64.

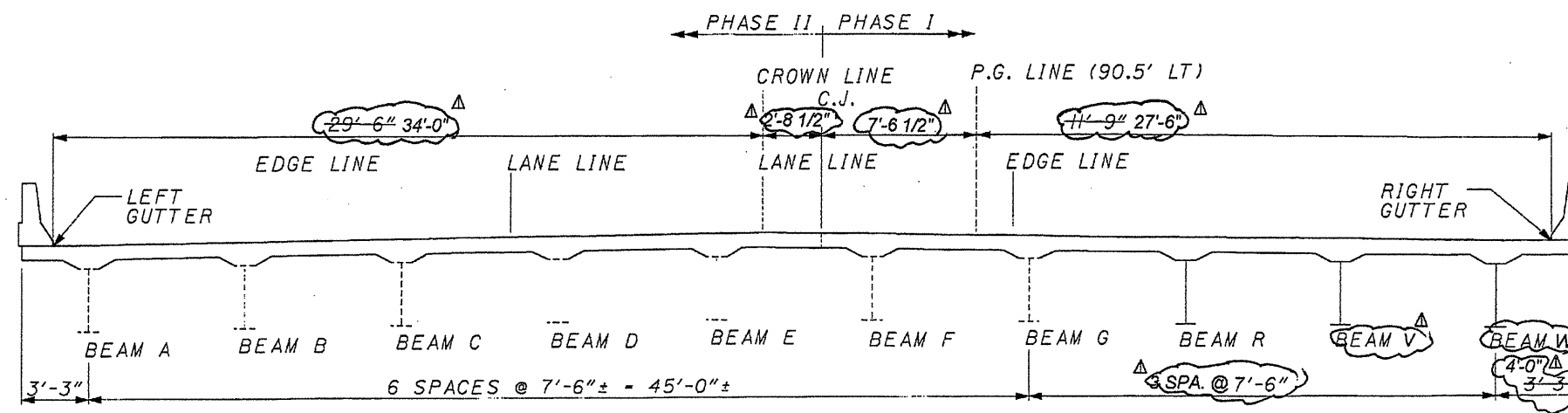
- \* - BEAM ELEVATION SURVEYED DURING CONSTRUCTION
- \*\* - SURVEYED REBOUND - BEAM ELEVATION BEFORE DECK REMOVAL MINUS BEAM ELEVATION AFTER DECK REMOVAL.
- \*\*\* - ADJUSTED REBOUND - RATIO OF PROPOSED DEAD LOAD TO EXISTING DEAD LOAD (PROVIDED BY THE DESIGNER) MULTIPLIED TIMES THE SURVEYED REBOUND
- \*\*\*\* - DECK SCREED ELEV. - ADJUSTED REBOUND ADDED TO THE FINAL TOP OF DECK ELEVATION

$$\frac{\text{PROPOSED DEAD LOAD}}{\text{EXISTING DEAD LOAD}} = 0.81$$

SUPERELEVATION TABLE	
STATION	▲ ('/')
149+35	-.01583
150+35	.00000
151+35	.01583



**SUPERELEVATION DIAGRAM**  
LOOKING UP STATION



**TRANSVERSE SECTION**  
LOOKING UP STATION

6-26-00 HNTB REVISIONS  
 DWL 2-12-99  
 JAA  
 JAA  
 CDC  
 SCREEN ELEVATION NOTES AND DETAILS  
 BRIDGE NO. CUY-271-0232L  
 I-271 SB OVER TINKERS CREEK VALLEY  
 CUY-271-2.32  
 30/45  
 49  
 64  
 BURGESS & NIPLE  
 1810715

PLOT SUBMITTED:\$\$\$\$SYTIME\$\$\$\$

10467SD1.DGN

PLOTTED BY:\$\$USERNAME\$\$  
 PLOTTED FROM:\$\$\$\$DGN\$PEC\$\$\$\$

UNIT	1						2						
	SPAN 1			SPAN 2			SPAN 3						
ELEVATION LOCATION	℄ BEARING REAR ABUT.	1/2 SPAN	℄ PIER 1	1/4 SPAN	1/2 SPAN	3/4 SPAN	℄ PIER 2	1/4 SPAN	1/2 SPAN	3/4 SPAN	℄ ROLLER	℄ PIER 3	
CONST. JOINT FINAL TOP DECK ELEV.	947.40	947.13	946.88	946.73	946.58	946.44	946.31	946.20	946.09	945.99	945.95	945.90	
***ADJUSTED REBOUND FROM BEAM E													
CONST. JOINT DECK SCREED ELEV.	947.40		946.88				946.31					945.90	
BEAM E	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	947.43	947.16	946.92	946.76	946.61	946.48	946.35	946.23	946.12	946.03	945.99	945.94
***DECK SCREED ELEV.	947.43		946.92				946.35					945.94	
CROWN FINAL TOP DECK ELEV.	947.46	947.20	946.95	946.79	946.65	946.51	946.38	946.27	946.16	946.06	946.02	945.97	
***ADJUSTED REBOUND FROM BEAM E													
CROWN DECK SCREED ELEV.	947.46		946.95				946.38					945.97	
BEAM F	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	947.38	947.11	946.87	946.71	946.57	946.43	946.31	946.19	946.08	945.98	945.94	945.89
***DECK SCREED ELEV.	947.38		946.87				946.31					945.89	
BASILINE 90.5' LT. FINAL TOP DECK ELEV.	947.29	947.02	946.78	946.63	946.48	946.35	946.22	946.10	946.00	945.90	945.86	945.81	
BEAM G	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	947.25	946.98	946.74	946.58	946.44	946.31	946.18	946.06	945.96	945.86	945.82	945.77
***DECK SCREED ELEV.	947.25		946.74				946.18					945.77	
BEAM R	FINAL TOP DECK ELEV.	947.12	946.85	946.61	946.46	946.32	946.19	946.06	945.95	945.84	945.74	945.70	945.65
	***DECK SCREED ELEV.	947.12	946.87	946.61	946.48	946.35	946.21	946.06	945.96	945.86	945.75	945.71	945.65
BEAM V	FINAL TOP DECK ELEV.	946.99	946.72	946.48	946.34	946.20	946.07	945.94	945.84	945.72	945.62	945.58	945.53
	***DECK SCREED ELEV.	946.99	946.74	946.48	946.38	946.23	946.09	945.94	945.86	945.75	945.63	945.57	945.53
BEAM W	FINAL TOP DECK ELEV.	946.86	946.59	946.35	946.22	946.08	945.95	945.82	945.73	945.60	945.50	945.46	945.41
	***DECK SCREED ELEV.	946.86	946.61	946.35	946.24	946.11	945.96	945.82	945.75	945.63	945.51	945.45	945.41
RIGHT GUTTER FINAL TOP DECK ELEV.	946.82	946.55	946.31	946.18	946.04	945.91	945.78	945.69	945.56	945.46	945.42	945.37	
RIGHT GUTTER DECK SCREED ELEV.	946.82	946.57	946.31	946.20	946.07	945.92	945.78	945.71	945.59	945.47	945.41	945.37	

SEE SHEET [30745] FOR NOTES, SUPERELEVATION DIAGRAM, SUPERELEVATION TABLE, AND TRANSVERSE SECTION.

6-26-00 HNTB REVISIONS

DRAWN JAA	DATE 2-12-99	REVIEWED DWL	STRUCTURE FILE NUMBER 1810715
DESIGNED JAA		CHECKED CDC	

DECK SCREED ELEVATIONS PHASE 1 (1 OF 5)  
 BRIDGE NO. CUY-271-0232L  
 I-271 SB OVER TINKERS CREEK VALLEY

CUY-271-2.32

30A/45

49A/64



PLOT SUBMITTED:\$\$\$\$SYTIME\$\$\$\$

10467SD1.DGN

PLOTTED BY:\$\$USERNAME\$\$  
 PLOTTED FROM:\$\$\$\$\$\$\$\$\$\$\$\$DCNSPEC\$\$\$\$\$\$\$\$

UNIT	2												
	ELEVATION LOCATION	SPAN 4				SPAN 5				SPAN 6			
		1/4 SPAN	1/2 SPAN	3/4 SPAN	¢ PIER 4	¢ SPLICE	1/4 SPAN	1/2 SPAN	3/4 SPAN	¢ PIER 5	¢ SPLICE	1/4 SPAN	1/2 SPAN
CONST. JOINT FINAL TOP DECK ELEV.	945.81	945.74	945.67	945.62	945.60	945.58	945.56	945.56	945.59	945.61	945.63	945.69	
***ADJUSTED REBOUND FROM BEAM E													
CONST. JOINT DECK SCREED ELEV.				945.62					945.59				
BEAM E	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	945.85	945.77	945.71	945.66	945.63	945.62	945.60	945.60	945.62	945.65	945.66	945.73
****DECK SCREED ELEV.				945.66					945.62				
CROWN FINAL TOP DECK ELEV.	945.88	945.81	945.74	945.70	945.67	945.65	945.63	945.64	945.66	945.68	945.70	945.76	
***ADJUSTED REBOUND FROM BEAM E													
CROWN DECK SCREED ELEV.				945.70					945.66				
BEAM F	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	945.80	945.73	945.66	945.62	945.59	945.58	945.56	945.56	945.58	945.60	945.62	945.68
****DECK SCREED ELEV.				945.62					945.58				
BASELINE 90.5' LT. FINAL TOP DECK ELEV.	945.72	945.64	945.58	945.53	945.50	945.49	945.47	945.47	945.49	945.52	945.54	945.60	
BEAM G	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	945.68	945.60	945.54	945.49	945.46	945.45	945.43	945.43	945.46	945.48	945.50	945.56
****DECK SCREED ELEV.				945.49					945.46				
BEAM R	FINAL TOP DECK ELEV.	945.56	945.49	945.42	945.37	945.35	945.33	945.31	945.31	945.34	945.36	945.38	945.44
	****DECK SCREED ELEV.	945.57	945.50	945.43	945.37	945.37	945.36	945.36	945.34	945.34	945.37	945.40	945.48
BEAM V	FINAL TOP DECK ELEV.	945.44	945.38	945.30	945.25	945.24	945.21	945.19	945.19	945.22	945.24	945.26	945.32
	****DECK SCREED ELEV.	945.46	945.40	945.31	945.25	945.26	945.24	945.24	945.22	945.22	945.25	945.28	945.36
BEAM W	FINAL TOP DECK ELEV.	945.32	945.27	945.18	945.13	945.13	945.09	945.07	945.07	945.10	945.12	945.14	945.20
	****DECK SCREED ELEV.	945.34	945.29	945.19	945.13	945.15	945.12	945.12	945.09	945.10	945.13	945.16	945.24
RIGHT GUTTER FINAL TOP DECK ELEV.	945.28	945.23	945.14	945.09	945.09	945.05	945.03	945.03	945.06	945.08	945.10	945.16	
RIGHT GUTTER DECK SCREED ELEV.	945.30	945.26	945.15	945.09	945.11	945.08	945.08	945.05	945.06	945.09	945.12	945.20	

SEE SHEET 30/45 FOR NOTES, SUPERELEVATION DIAGRAM, SUPERELEVATION TABLE, AND TRANSVERSE SECTION.

6-26-00 HNTB REVISIONS

DESIGNED	JAA	CHECKED	CDC
DRAWN	JAA	REVIEWED	
REVISION	DWL	DATE	2-12-99
STRUCTURE FILE NUMBER	1810715		

DECK SCREED ELEVATIONS PHASE 1 (2 OF 5)  
 BRIDGE NO. CUY-271-0232L  
 I-271 SB OVER TINKERS CREEK VALLEY

CUY-271-2.32

30B/45  
 49B  
 64

PLOT SUBMITTED:\$\$\$\$SYTIME\$\$\$\$

10467SD1.DGN

PLOTTED BY: \$USERNAME\$  
 PLOTTED FROM: \$\$\$\$\$\$DGN\$SPEC\$\$\$\$\$

UNIT		2											
ELEVATION LOCATION		SPAN 6			SPAN 7				SPAN 8				
		3/4 SPAN	¢ PIER 6	¢ SPLICE	1/4 SPAN	1/2 SPAN	3/4 SPAN	¢ SPLICE	¢ PIER 7	1/4 SPAN	1/2 SPAN	3/4 SPAN	¢ SPLICE
CONST. JOINT FINAL TOP DECK ELEV.		945.78	945.88	945.96	946.01	946.15	946.32	946.51	946.39	946.72	946.95	947.20	947.47
***ADJUSTED REBOUND FROM BEAM E													
CONST. JOINT DECK SCREED ELEV.			945.88					946.51					947.47
BEAM E	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	945.81	945.92	945.99	946.04	946.19	946.36	946.42	946.54	946.75	946.98	947.23	947.33
*****DECK SCREED ELEV.			945.92					946.54					
CROWN FINAL TOP DECK ELEV.		945.85	945.95	946.03	946.08	946.22	946.39	946.46	946.58	946.79	947.02	947.27	947.37
***ADJUSTED REBOUND FROM BEAM E													
CROWN DECK SCREED ELEV.			945.95					946.58					
BEAM F	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	945.77	945.87	945.95	946.00	946.15	946.31	946.38	946.50	946.71	946.94	947.19	947.29
*****DECK SCREED ELEV.			945.87					946.32					
BASELINE 90.5' LT. FINAL TOP DECK ELEV.		945.68	945.79	945.87	945.92	946.06	946.23	946.30	946.42	946.63	946.86	947.11	947.20
BEAM G	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	945.65	945.75	945.83	945.88	946.02	946.19	946.26	946.38	946.59	946.82	947.07	947.16
*****DECK SCREED ELEV.			945.75					946.38					
BEAM R	FINAL TOP DECK ELEV.	945.53	945.63	945.71	945.76	945.90	946.07	946.14	946.26	946.47	946.70	946.95	947.05
	*****DECK SCREED ELEV.	945.54	945.63	2945.71	945.78	945.94	946.09	946.15	946.26	946.49	946.74	946.98	947.06
BEAM V	FINAL TOP DECK ELEV.	945.41	945.51	945.59	945.64	945.78	945.95	946.02	946.14	946.35	946.58	946.83	946.94
	*****DECK SCREED ELEV.	945.43	945.51	945.61	945.66	945.82	945.97	946.03	946.14	946.37	946.62	946.86	946.96
BEAM W	FINAL TOP DECK ELEV.	945.29	945.39	945.47	945.52	945.66	945.83	945.90	946.02	946.23	946.46	946.71	946.83
	*****DECK SCREED ELEV.	945.31	945.39	945.49	945.54	945.70	945.85	945.91	946.02	946.25	946.50	946.74	946.85
RIGHT GUTTER FINAL TOP DECK ELEV.		945.25	945.35	945.43	945.48	945.62	945.79	945.86	945.98	946.19	946.42	946.67	946.79
RIGHT GUTTER DECK SCREED ELEV.		945.27	945.35	945.45	945.50	945.66	945.81	945.87	945.98	946.21	946.46	946.70	946.81

SEE SHEET 30745 FOR NOTES,  
 SUPERELEVATION DIAGRAM,  
 SUPERELEVATION TABLE, AND  
 TRANSVERSE SECTION.

6-26-00 HNTB REVISIONS

DESIGNED	JAA	CHECKED	CDC
DRAWN	JAA	REVISION	
REVISED	DWL	DATE	2-12-99
STRUCTURE FILE NUMBER	1810715		

DECK SCREED ELEVATIONS PHASE 1 (3 OF 5)  
 BRIDGE NO. CUY-271-0232L  
 I-271 SB OVER TINKERS CREEK VALLEY

CUY-271-2.32

30C/45  
 49C  
 64

PLOT SUBMITTED:\$\$\$\$SYTIME\$\$\$\$

10467SD1.DGN

PLOTTED BY: \$USERNAME\$  
 PLOTTED FROM: \$\$\$\$\$\$DGN\$SPEC\$\$\$\$\$

UNIT	2						3						
	SPAN 9						SPAN 10			SPAN 11			
	¢ PIER 8	¼ SPAN	½ SPAN	¾ SPAN	¢ PIER 9	¢ ROLLER	¼ SPAN	½ SPAN	¾ SPAN	¢ PIER 10	¼ SPAN	½ SPAN	
CONST. JOINT FINAL TOP DECK ELEV.	947.29	947.71	947.96	948.22	948.50	948.64	948.71	948.93	949.16	949.39	949.64	949.90	
***ADJUSTED REBOUND FROM BEAM E													
CONST. JOINT DECK SCREED ELEV.					948.50					949.39			
BEAM E	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	947.51	947.74	947.99	948.26	948.54	948.68	948.75	948.97	949.19	949.43	949.68	949.93
****DECK SCREED ELEV.	947.51				948.54				949.43				
CROWN FINAL TOP DECK ELEV.	947.54	947.78	948.03	948.29	948.57	949.71	948.78	949.00	949.23	949.46	949.71	949.97	
***ADJUSTED REBOUND FROM BEAM E													
CROWN DECK SCREED ELEV.	947.54				948.57					949.46			
BEAM F	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	947.46	947.70	947.95	948.21	948.49	948.63	948.71	948.92	949.15	949.39	949.63	949.89
****DECK SCREED ELEV.	947.46				948.49				949.39				
BASLINE 90.5' LT. FINAL TOP DECK ELEV.	947.38	947.62	947.87	948.13	948.41	948.55	948.62	948.84	949.07	949.30	949.55	949.81	
BEAM G	*ELEV. AFTER DECK REMOVAL												
	*ELEV. BEFORE DECK REMOVAL												
	**SURVEYED REBOUND												
	***ADJUSTED REBOUND												
	FINAL TOP DECK ELEV.	947.34	947.58	947.83	948.09	948.37	948.51	948.58	948.80	949.03	949.26	949.51	949.77
****DECK SCREED ELEV.	947.34				948.37				949.26				
BEAM R	FINAL TOP DECK ELEV.	947.22	947.46	947.71	947.97	948.25	948.39	948.46	948.68	948.91	949.14	949.39	949.65
	****DECK SCREED ELEV.	947.22	947.46	947.72	947.98	948.25	948.39	948.47	948.69	948.92	949.14	949.41	949.67
BEAM V	FINAL TOP DECK ELEV.	947.10	947.34	947.59	947.85	948.13	948.27	948.34	948.56	948.79	949.02	949.27	949.53
	****DECK SCREED ELEV.	947.10	947.35	947.62	947.87	948.13	948.26	948.34	948.58	948.80	949.02	949.28	949.55
BEAM W	FINAL TOP DECK ELEV.	946.98	947.22	947.47	947.73	948.01	948.15	948.22	948.44	948.67	948.90	949.15	949.41
	****DECK SCREED ELEV.	946.98	947.23	947.50	947.75	948.01	948.14	948.22	948.46	948.68	948.90	949.16	949.43
RIGHT GUTTER FINAL TOP DECK ELEV.	946.94	947.18	947.43	947.69	947.97	948.11	948.18	948.40	948.63	948.86	949.11	949.37	
RIGHT GUTTER DECK SCREED ELEV.	946.94	947.19	947.46	947.71	947.97	948.10	948.18	948.42	948.64	948.86	949.12	949.39	

SEE SHEET [30/45] FOR NOTES, SUPERELEVATION DIAGRAM, SUPERELEVATION TABLE, AND TRANSVERSE SECTION.

6-26-00 HNTB REVISIONS

DRAWN JAA	DESIGNED JAA	CHECKED CDC	REVISIONS	DATE 2-12-99
			STRUCTURE FILE NUMBER 1810715	DWL 2-12-99

DECK SCREED ELEVATIONS PHASE 1 (4 OF 5)  
 BRIDGE NO. CUY-271-0232L  
 I-271 SB OVER TINKERS CREEK VALLEY

CUY-271-2.32

300/45

490  
64

PLOT SUBMITTED:\$\$\$\$SYTIME\$\$\$\$

10467SD1.DGN

PLOTTED BY:\$\$USERNAME\$\$  
 PLOTTED FROM:\$\$\$\$DGN\$SPEC\$\$\$\$

UNIT	3														
	SPAN 11		SPAN 12				SPAN 13				SPAN 14				C BEARING FWD. ABUT.
	3/4 SPAN	C PIER 11	1/4 SPAN	1/2 SPAN	3/4 SPAN	C PIER 12	1/4 SPAN	1/2 SPAN	3/4 SPAN	C PIER 13	1/4 SPAN	1/2 SPAN	3/4 SPAN		
CONST. JOINT FINAL TOP DECK ELEV.	950.16	950.43	950.72	951.02	951.33	951.64	952.00	952.37	952.75	953.13	953.43	953.73	954.04	954.35	
***ADJUSTED REBOUND FROM BEAM E															
CONST. JOINT DECK SCREED ELEV.		950.43				951.64				953.13				954.35	
BEAM E	*ELEV. AFTER DECK REMOVAL														
	*ELEV. BEFORE DECK REMOVAL														
	**SURVEYED REBOUND														
	***ADJUSTED REBOUND														
	FINAL TOP DECK ELEV.	950.19	950.47	950.76	951.06	951.37	951.68	952.04	952.41	952.78	953.15	953.45	953.75	954.05	954.36
****DECK SCREED ELEV.		950.47				951.68				953.15				954.36	
CROWN FINAL TOP DECK ELEV.	950.23	950.50	950.80	951.10	951.41	951.73	952.08	952.44	952.81	953.18	953.47	953.76	954.06	954.36	
***ADJUSTED REBOUND FROM BEAM E															
CROWN DECK SCREED ELEV.		950.50				951.73				953.18				954.36	
BEAM F	*ELEV. AFTER DECK REMOVAL														
	*ELEV. BEFORE DECK REMOVAL														
	**SURVEYED REBOUND														
	***ADJUSTED REBOUND														
	FINAL TOP DECK ELEV.	950.15	950.42	950.72	951.03	951.35	951.67	952.03	952.39	952.75	953.12	953.41	953.71	954.01	954.31
****DECK SCREED ELEV.		950.42				951.67				953.12				954.31	
BASLINE 90.5' LT. FINAL TOP DECK ELEV.	950.07	950.34	950.65	950.97	951.29	951.62	951.97	952.33	952.70	953.07	953.36	953.66	953.96	954.26	
BEAM G	*ELEV. AFTER DECK REMOVAL														
	*ELEV. BEFORE DECK REMOVAL														
	**SURVEYED REBOUND														
	***ADJUSTED REBOUND														
	FINAL TOP DECK ELEV.	950.03	950.30	950.61	950.93	951.26	951.59	951.94	952.30	952.67	953.04	953.33	953.63	953.93	954.23
****DECK SCREED ELEV.		950.30				951.59				953.04				954.23	
BEAM R	FINAL TOP DECK ELEV.	949.91	950.18	950.50	950.83	951.17	951.51	951.86	952.22	952.59	952.96	953.26	953.55	953.85	954.15
	****DECK SCREED ELEV.	949.92	950.18	950.52	950.86	951.18	951.51	951.88	952.26	952.61	952.96	953.27	953.58	953.87	954.15
BEAM V	FINAL TOP DECK ELEV.	949.79	950.06	950.39	950.73	951.08	951.43	951.78	952.14	952.51	952.88	953.19	953.47	953.77	954.07
	****DECK SCREED ELEV.	949.80	950.06	950.41	950.76	951.10	951.43	951.80	952.18	952.53	952.88	953.20	953.50	953.79	954.07
BEAM W	FINAL TOP DECK ELEV.	949.67	949.94	950.28	950.63	950.99	951.35	951.70	952.06	952.43	952.80	953.12	953.39	953.69	953.99
	****DECK SCREED ELEV.	949.68	949.94	950.30	950.67	951.01	951.35	951.72	952.10	952.45	952.80	953.13	953.42	953.71	953.99
RIGHT GUTTER FINAL TOP DECK ELEV.	949.63	949.90	950.24	950.60	950.96	951.32	951.67	952.03	952.40	952.77	953.10	953.36	953.66	953.96	
RIGHT GUTTER DECK SCREED ELEV.	949.64	949.90	950.27	950.64	950.98	951.32	951.69	952.07	952.42	952.77	953.11	953.39	953.69	953.96	

SEE SHEET [30/45] FOR NOTES,  
 SUPERELEVATION DIAGRAM,  
 SUPERELEVATION TABLE, AND  
 TRANSVERSE SECTION.

6-26-00 HNTB REVISIONS

DESIGNED	JAA	CHECKED	CDC	
DATE	DWL 2-12-99	REVISION		
STRUCTURE FILE NUMBER	1810715			

DECK SCREED ELEVATIONS PHASE I (5 OF 5)  
 BRIDGE NO. CUY-271-0232L  
 1-271 SB OVER TIMKERS CREEK VALLEY

CUY-271-2.32

30E/45

49E/64

CUYAHOGA COUNTY  
CUY-271-02.32

**NOTES**

① THE PREFIX TO BE ADDED TO ALL REINFORCING BARS SHOWN ON THIS SHEET ARE AS FOLLOWS.

**LEFT BRIDGE**

1ES- FOR PHASE I CONSTRUCTION UNITS 1, 2 & 3.

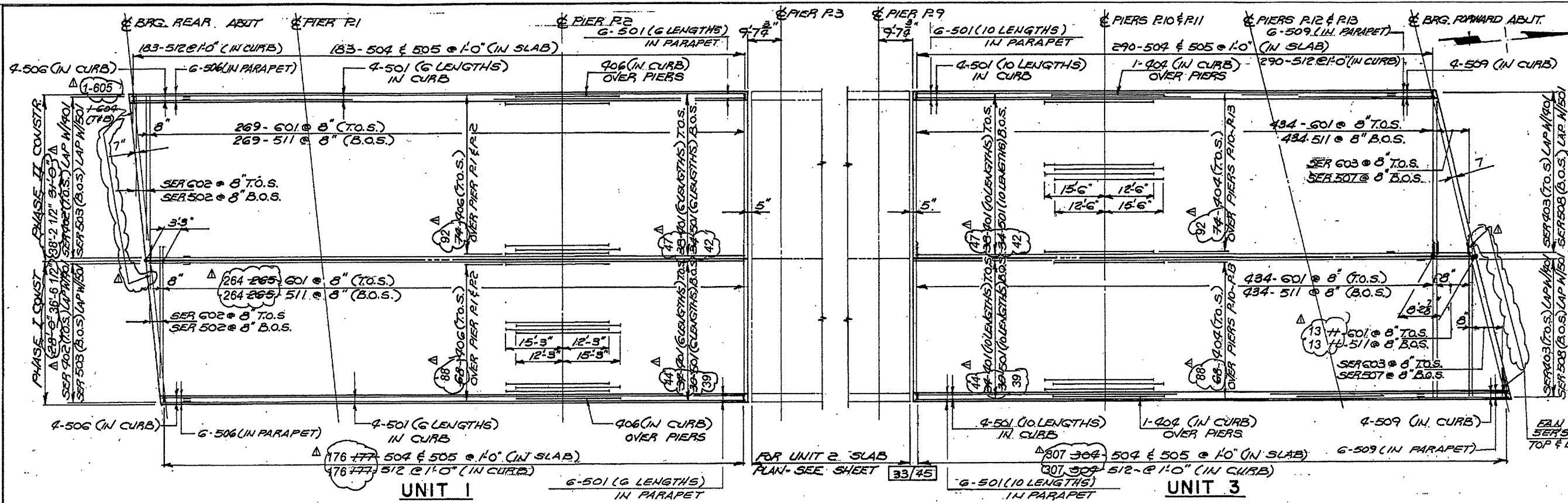
2ES- FOR PHASE II CONSTRUCTION UNITS 1, 2 & 3.

**RIGHT BRIDGE**

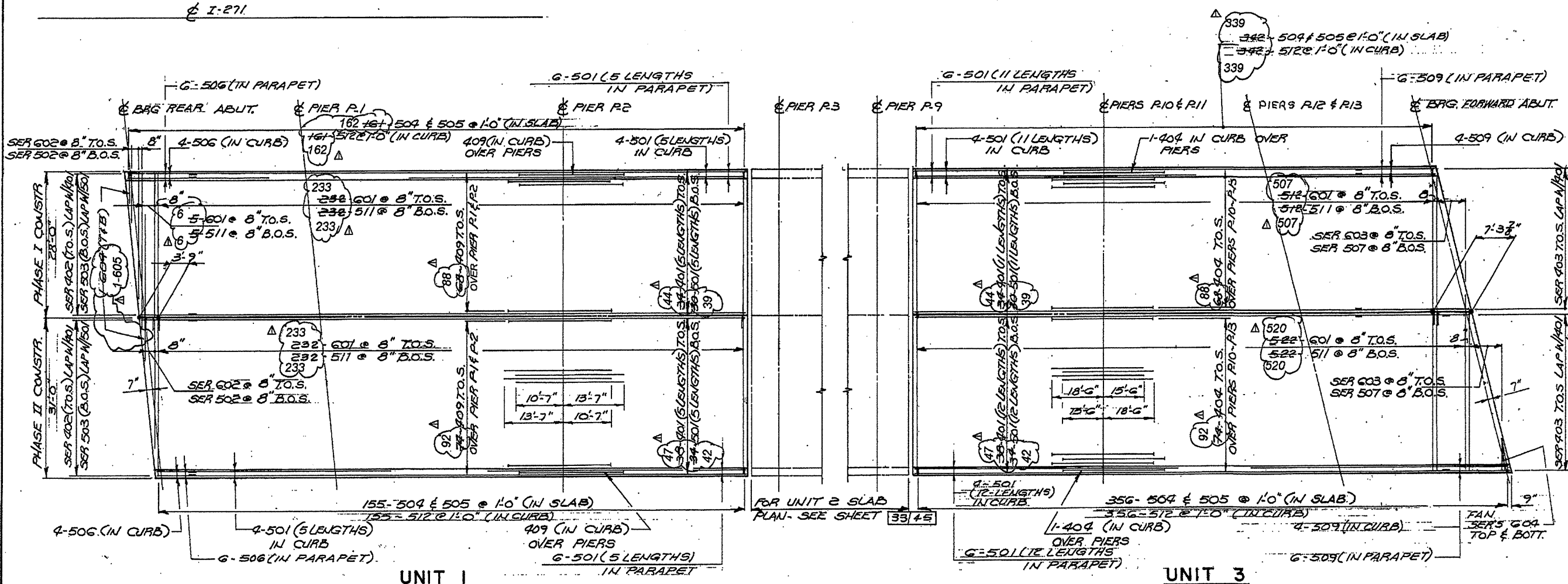
3ES- FOR PHASE I CONSTRUCTION UNITS 1, 2 & 3.

4ES- FOR PHASE II CONSTRUCTION UNITS 1, 2 & 3.

② FOR TRANSVERSE SECTION AND ADDITIONAL NOTES SEE SHEET 33/45



**PARTIAL SLAB PLAN - LEFT BRIDGE**

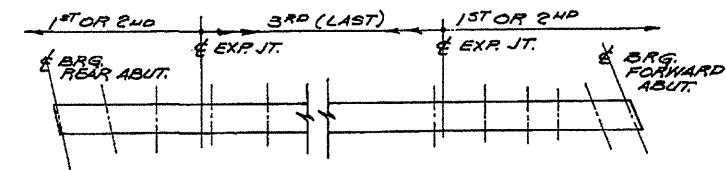
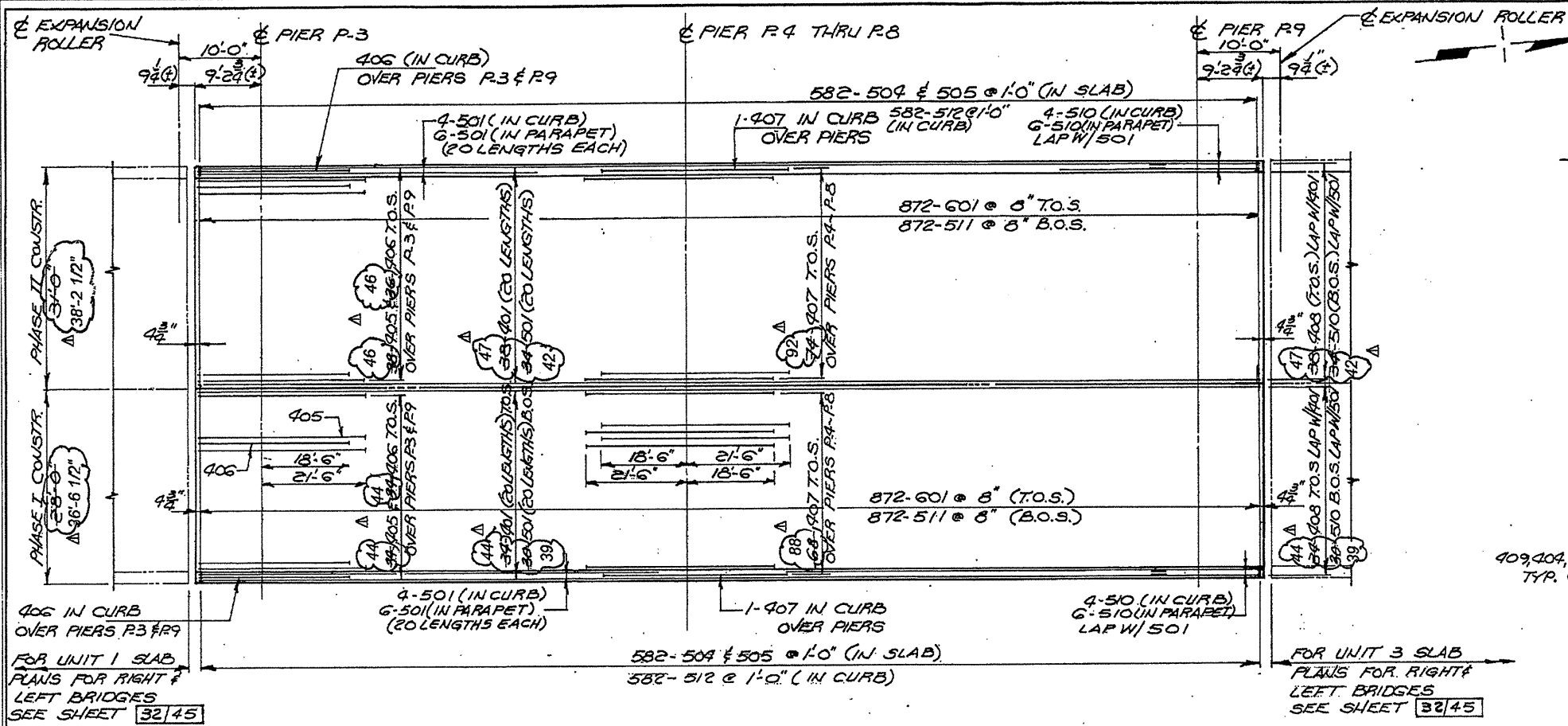


**PARTIAL SLAB PLAN - RIGHT BRIDGE**

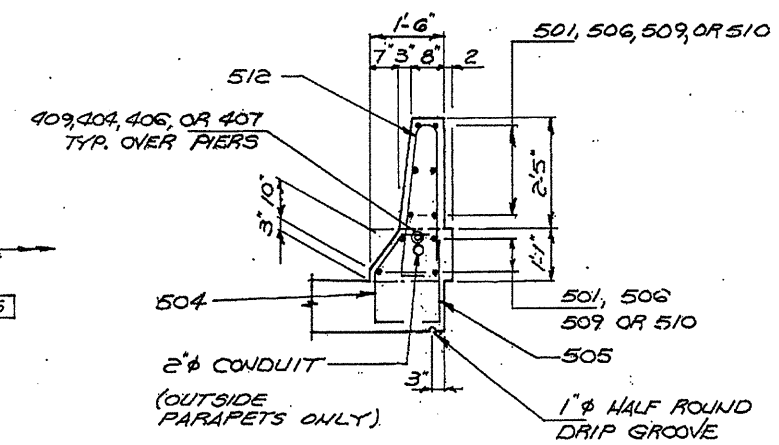
6-26-00 HNTB REVISIONS  
URS CONSULTANTS  
684 White Pond Drive  
Akron, Ohio 44320

**SLAB PLAN - UNITS 1 AND 3**  
BR. NO. CUY - 271-0232 L & R  
I-271 OVER TINKERS CREEK VALLEY  
CUYAHOGA COUNTY OHIO  
STA. 140+05.74 TO STA. 150+83.32

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISION
MJM	JWK		BJS	JOP	1-9-95	



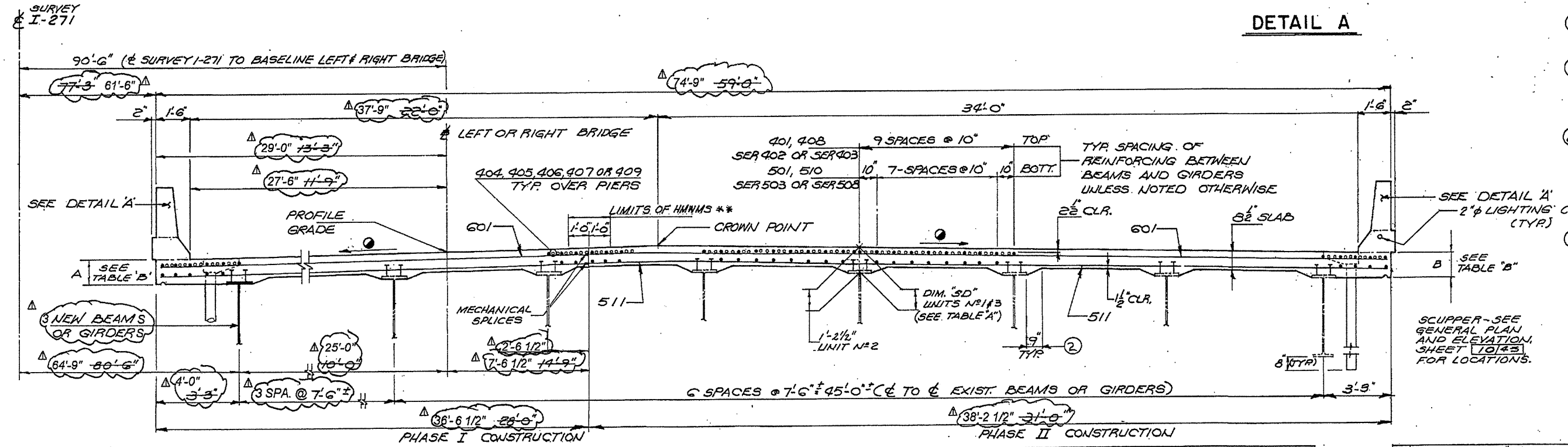
CONCRETE DECK PLACEMENT SEQUENCE  
(LEFT & RIGHT BRIDGE)



DETAIL A

- NOTES
- 1 THE DISTANCE SHOWN FROM THE TOP OF DECK SLAB TO THE TOP OF THE STEEL BEAM OR THE BOTTOM OF THE GIRDER TOP FLANGE IS THE DESIGN DIMENSION. THE QUANTITY OF DECK CONCRETE TO BE PAID FOR SHALL BE BASED UPON THIS DIMENSION, EVEN THOUGH DEVIATION FROM IT MAY BE NECESSARY BECAUSE THE TOP FLANGE MAY NOT HAVE THE EXACT CAMBER OR CONFORMATION REQUIRED TO PLACE IT PARALLEL TO FINISHED GRADE.
  - 2 A HAUNCH WIDTH OF 9 INCHES SHALL BE USED FOR COMPUTING QUANTITY OF CONCRETE, HOW EVER, THE HAUNCH WIDTH MAY VARY BETWEEN 6 AND 12 INCHES.
  - 3 FOR THE SCREED ELEVATION TABLES, SEE SHEET [29/45] FOR THE RIGHT BRIDGE, AND SHEET [30/45] FOR THE LEFT BRIDGE.
  - 4 FOR BAR PREFIX NOTATIONS, SEE SHEET [32/45].
  - 5 FOR ADDITIONAL NOTES AND MINIMUM BAR LAPS SEE THE STRUCTURAL GENERAL NOTES SHEET [7/45].
  - 6 FOR LIGHT POLE SUPPORT DETAILS AND LOCATIONS, SEE SHEET [34/45].
  - 7 IF THE CONTRACTOR CHOOSES, HE MAY SUBMIT AN ALTERNATIVE CONCRETE PLACEMENT SEQUENCE TO THE DIRECTOR FOR APPROVAL.
  - 8 FOR LOCATION OF SCUPPERS SEE SHEET [10/45].
  - 9 DIMENSIONS "SD", "A", & "B" APPLY ONLY IN THE NORMAL CROWN SECTIONS OF THE BRIDGES. SEE SCREED TABLES.

SLAB PLAN - UNIT 2 - LEFT & RIGHT BRIDGE  
LEFT BRIDGE SHOWN, RIGHT BRIDGE SYMMETRICAL ABOUT & I-271



TRANSVERSE SECTION  
RIGHT BRIDGE SHOWN  
LEFT BRIDGE SYMMETRICAL ABOUT & I-271

TABLE "A"	DIMENSION "SD"	UNIT N°1		UNIT N°3	
		LEFT BR.	RIGHT BR.	LEFT BR.	RIGHT BR.
W36x135	1'-1 9/16"	1'-1 1/4"	1'-1 1/2"	1'-VARIES	
W36x150	~	~	~	1'-1 1/16"	
W36x160	~	~	1'-1 1/4"	~	
W36x170	1'-1 1/4"	~	~	1'-1 9/16"	
W36x194	~	~	~	1'-1 3/8"	
W36x210	~	~	~	1'-1 1/4"	
W36x230	~	~	~	1'-1 1/16"	

TABLE "B"	DIM.	UNIT N°1		
		UNIT N°1	UNIT N°2	UNIT N°3
A	1'-2 1/8"	1'-2 1/4"	1'-2"	
B	1'-2 1/8"	1'-2 1/4"	1'-2 1/4"	
A	1'-1 3/4"	1'-2 1/4"	1'-3 1/8"	
B	1'-1 3/4"	1'-2 1/4"	1'-2 5/8"	

● PAYMENT SLOPE VARIES - SEE SUPERELEVATION DIAGRAMS AND SUPERELEVATION TABLES ON SHEETS [30/45].

\*\* HWMS DENOTES HIGH MOLECULAR WEIGHT METHACRYLATE SEALING.

Δ 6-26-00 HNTB REVISIONS  
2-13-1999 B & N UPDATE

URS CONSULTANTS  
664 White Pond Drive  
Akron, Ohio 44320

**SLAB PLAN - UNIT 2** [33/45]  
**AND TRANSVERSE SECTION**  
BR. NO. CUY-271-0232 L & R  
1-271 OVER TINKERS CREEK VALLEY  
CUYAHOGA COUNTY OHIO  
STA. 140+05.74 TO STA. 150+83.32

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISION
MJM	JWV		BJB	gof	1-9-95	

REINFORCING SCHEDULE									
MARK	No. REQD.	LGTH.	TYPE	DIMENSIONS				INCRM.	WEIGHT LBS.
				A	B	C	D		
SUPERSTRUCTURE 3									
3ES 401	1584	30'-0"	ST						31743
SERIES	1 - SET	15'-10"							
OF	OF 44		ST					0'-1 1/8"	522
3ES 402	44 BAR	19'-8"							
SERIES	1 - SET	24'-7"							
OF	OF 44		ST					0'-2 1/2"	855
3ES 403	44 BAR	33'-7"							
3ES 404	356	34'-0"	ST						8085
3ES 405	88	30'-6"	ST						1793
3ES 406	90	27'-6"	ST						1653
3ES 407	445	40'-0"	ST						11890
3ES 408	44	11'-2"	ST						328
3ES 409	178	24'-2"	ST						2874
3ES 501	1764	30'-0"	ST						55196
SERIES	1 - SET	3'-10"							
OF	OF 5		ST					6'-6 3/4"	89
3ES 502	5 BAR	30'-1"							
SERIES	1 - SET	21'-9"							
OF	OF 39		ST					0'-1 1/8"	808
3ES 503	39 BAR	18'-0"							
3ES 504	1083	3'-2"	20	0 - 11	0 - 7	0 - 9			3577
3ES 505	1083	2'-5"	1	0 - 10	1 - 8				2730
3ES 506	10	21'-9"	ST						227
SERIES	1 - SET	3'-9"							
OF	OF 12		ST					2'-8 1/2"	236
3ES 507	12 BAR	33'-11"							
SERIES	1 - SET	29'-3"							
OF	OF 39		ST					0'-2 1/8"	1373
3ES 508	39 BAR	38'-3"							
3ES 509	10	38'-3"	ST						399
3ES 510	49	21'-0"	ST						1073
3ES 511	1618	36'-2"	51						61034
3ES 512	1083	7'-0"	53	3 - 0	3 - 3				7907
3ES 601	1618	36'-2"	51						87894
SERIES	1 - SET	3'-10"							
OF	OF 5		51					6'-6 3/4"	128
3ES 602	5 BAR	30'-1"							
SERIES	1 - SET	3'-9"							
OF	OF 12		ST					2'-8 1/2"	339
3ES 603	12 BAR	33'-11"							
SERIES	2 - SET	5'-4"							
OF	OF 6		ST					0'-5 1/4"	116
3ES 604	12 BAR	7'-6"							
3ES 605	2	6'-0"	ST						18
TOTAL SUPERSTRUCTURE 3 =									282,887

REINFORCING SCHEDULE									
MARK	No. REQD.	LGTH.	TYPE	DIMENSIONS				INCRM.	WEIGHT LBS.
				A	B	C	D		
SUPERSTRUCTURE 4									
4ES 401	1739	30'-0"	ST						34850
SERIES	1 - SET	11'-8"							
OF	OF 47		ST					0'-1"	426
4ES 402	47 BAR	15'-6"							
SERIES	1 - SET	5'-1"							
OF	OF 47		ST					0'-2 3/4"	305
4ES 403	47 BAR	14'-4"							
4ES 404	372	34'-0"	ST						8449
4ES 405	94	30'-6"	ST						1915
4ES 406	96	27'-6"	ST						1764
4ES 407	465	40'-0"	ST						12425
4ES 408	47	11'-2"	ST						351
4ES 409	186	24'-2"	ST						3003
4ES 501	1924	30'-0"	ST						60202
SERIES	1 - SET	4'-10"							
OF	OF 5		ST					6'-6 3/4"	94
4ES 502	5 BAR	31'-1"							
SERIES	1 - SET	18'-0"							
OF	OF 42		ST					0'-1 1/8"	703
4ES 503	42 BAR	14'-1"							
4ES 504	1093	3'-2"	20	0 - 11	0 - 7	0 - 9			3610
4ES 505	1093	2'-5"	1	0 - 10	1 - 8				2755
4ES 506	10	14'-1"	ST						
SERIES	1 - SET	4'-9"							
OF	OF 12		ST					2'-8 1/2"	250
4ES 507	12 BAR	34'-10"							
SERIES	1 - SET	10'-2"							
OF	OF 42		ST					0'-2 3/4"	648
4ES 508	42 BAR	19'-5"							
4ES 509	10	10'-2"	ST						106
4ES 510	52	21'-0"	ST						1139
4ES 511	1625	37'-10"	52						64123
4ES 512	1093	7'-0"	53	3 - 0	3 - 3				7980
4ES 531	36	8'-0"	ST						300
4ES 532	24	5'-9"	13	2 - 0	3 - 10	0 - 5			144
4ES 533	42	8'-6"	25	1 - 0	1 - 10	1 - 4	2 - 0		372
4ES 534	24	3'-10"	ST						96
4ES 535	24	5'-9"	1	2 - 0	3 - 10				144
4ES 536	24	3'-4"	2	0 - 9	2 - 1				83
4ES 601	1625	37'-10"	52						92342
SERIES	1 - SET	4'-10"							
OF	OF 5		ST					6'-6 3/4"	135
4ES 602	5 BAR	31'-1"							
SERIES	1 - SET	4'-9"							
OF	OF 12		ST					2'-8 1/2"	360
4ES 603	12 BAR	34'-10"							
SERIES	2 - SET	5'-4"							
OF	OF 6		ST					0'-5 1/4"	116
4ES 604	12 BAR	7'-6"							
4ES 605	2	6'-0"							18
4ES 630	36	8'-0"	ST						433
TOTAL SUPERSTRUCTURE 4 =									299,639

6-26-00 HNTB SHEET ADDED  
 DESIGN AGENCY  
**ENTR**  
 ARCHITECTS ENGINEERS PLANNERS  
 DATE 06/26/00  
 REVIEWED ADY  
 STRUCTURE FILE NUMBER  
 DRAWN NDH  
 REVISION  
 DESIGNED MJL  
 CHECKED NDH  
**REINFORCING SCHEDULE**  
 BRIDGE NO. CUY-27 I-0232R  
 I-27 I OVER TINKERS CREEK VALLEY  
 CUY-27 I-02.32  
 40A/45  
 59A  
 64

REINFORCING SCHEDULE									
MARK	No. REQD.	LGTH.	TYPE	DIMENSIONS				INCRM.	WEIGHT LBS.
				A	B	C	D		
SUPERSTRUCTURE 1									
IES 401	1584	30'-0"	ST						31743
SERIES	1 - SET	4'-1"							
OF	OF 44		ST					0'-1"	175
IES 402	44 BAR	7'-10"							
SERIES	1 - SET	12'-10"							
OF	OF 44		ST					0'-2 1/2"	509
IES 403	44 BAR	21'-10"							
IES 404	356	28'-0"	ST						6659
IES 405	88	30'-6"	ST						1793
IES 406	268	27'-6"	ST						4923
IES 407	445	40'-0"	ST						11890
IES 408	44	11'-2"	ST						328
IES 501	1764	30'-0"	ST						55196
SERIES	1 - SET	3'-8"							
OF	OF 5		ST					6'-6 3/4"	88
IES 502	5 BAR	29'-11"							
SERIES	1 - SET	6'-7"							
OF	OF 39		ST					0'-1 1/8"	344
IES 503	39 BAR	10'-4"							
IES 504	1065	3'-2"	20	0 - 11	0 - 7	0 - 9			3518
IES 505	1065	2'-5"	1	0 - 10	1 - 8				2684
IES 506	10	6'-7"	ST						69
SERIES	1 - SET	3'-9"							
OF	OF 12		ST					0'-0 1/2"	47
IES 507	12 BAR	33'-11"							
SERIES	1 - SET	17'-0"							
OF	OF 39		ST					0'-2 1/2"	875
IES 508	39 BAR	26'-0"							
IES 509	10	26'-0"	ST						272
IES 510	49	21'-0"	ST						1073
IES 511	1583	36'-2"	51						59714
IES 512	1065	7'-0"	53	3 - 0	3 - 3				7776
IES 601	1583	36'-2"	51						85993
SERIES	1 - SET	3'-8"							
OF	OF 5		51					6'-6 3/4"	126
IES 602	5 BAR	29'-11"							
SERIES	1 - SET	3'-9"							
OF	OF 12		ST					2'-8 1/8"	339
IES 603	12 BAR	33'-11"							
SERIES	2 - SET	5'-4"							
OF	OF 6		ST					0'-5 1/4"	116
IES 604	12 BAR	7'-6"							
605	2	5'-0"	ST						15
TOTAL SUPERSTRUCTURE 1 = 276,265									

REINFORCING SCHEDULE									
MARK	No. REQD.	LGTH.	TYPE	DIMENSIONS				INCRM.	WEIGHT LBS.
				A	B	C	D		
SUPERSTRUCTURE 2									
2ES 401	1692	30'-0"	ST						33908
SERIES	1 - SET	7'-10"							
OF	OF 47		ST					0'-1"	307
2ES 402	47 BAR	11'-9"							
SERIES	1 - SET	3'-7"							
OF	OF 47		ST					0'-2 1/2"	258
2ES 403	47 BAR	12'-10"							
2ES 404	372	28'-0"	ST						6958
2ES 405	92	30'-6"	ST						1915
2ES 406	280	27'-6"	ST						5144
2ES 407	465	40'-0"	ST						12425
2ES 408	47	11'-2"	ST						351
2ES 501	1872	30'-0"	ST						58575
SERIES	1 - SET	4'-7"							
OF	OF 5		ST					6'-6 1/2"	92
2ES 502	5 BAR	30'-9"							
SERIES	1 - SET	10'-4"							
OF	OF 42		ST					0'-1 1/8"	537
2ES 503	42 BAR	14'-2"							
2ES 504	1055	3'-2"	20	0 - 11	0 - 7	0 - 9			3484
2ES 505	1055	2'-5"	1	0 - 10	1 - 8				2659
2ES 506	10	14'-2"	ST						
SERIES	1 - SET	4'-9"							
OF	OF 12		ST					2'-8 1/8"	248
2ES 507	12 BAR	34'-10"							
SERIES	1 - SET	7'-9"							
OF	OF 42		ST					0'-2 1/2"	542
2ES 508	42 BAR	17'-0"							
2ES 509	10	7'-9"	ST						81
2ES 510	52	21'-0"	ST						1139
2ES 511	1575	37'-10"	52						62150
2ES 512	1055	7'-0"	53	3 - 0	3 - 3				7703
2ES 531	36	8'-0"	ST						300
2ES 532	24	5'-9"	13	2 - 0	3 - 10	0 - 5			144
2ES 533	42	8'-6"	25	1 - 0	1 - 10	1 - 4	2 - 0		372
2ES 534	24	3'-10"	ST						96
2ES 535	24	5'-9"	1	2 - 0	3 - 10				144
2ES 536	24	3'-4"	2	0 - 9	2 - 1				83
2ES 601	1575	37'-10"	52						89500
SERIES	1 - SET	4'-7"							
OF	OF 5		ST					6'-6 1/2"	133
2ES 602	5 BAR	30'-9"							
SERIES	1 - SET	4'-9"							
OF	OF 12		ST					2'-8 1/8"	357
2ES 603	12 BAR	34'-10"							
SERIES	2 - SET	5'-4"							
OF	OF 6		ST					0'-5 1/4"	116
2ES 604	12 BAR	7'-6"							
2ES 605	2	5'-0"							15
2ES 630	36	8'-0"	ST						433
TOTAL SUPERSTRUCTURE 2 = 290,169									

6-26-00 HNTB SHEET ADDED

DESIGN AGENCY  
**HNTB**  
ARCHITECTS ENGINEERS PLANNERS

DATE  
06/26/00

REVIEWED  
ADY

DRAWN  
MDH

DESIGNED  
MJL

CHECKED  
NDH

STRUCTURE FILE NUMBER

REINFORCING SCHEDULE  
BRIDGE NO. CUY-27 I-0232L  
I-27 I OVER TINKERS CREEK VALLEY

CUY-27 I-02.32

44A/45

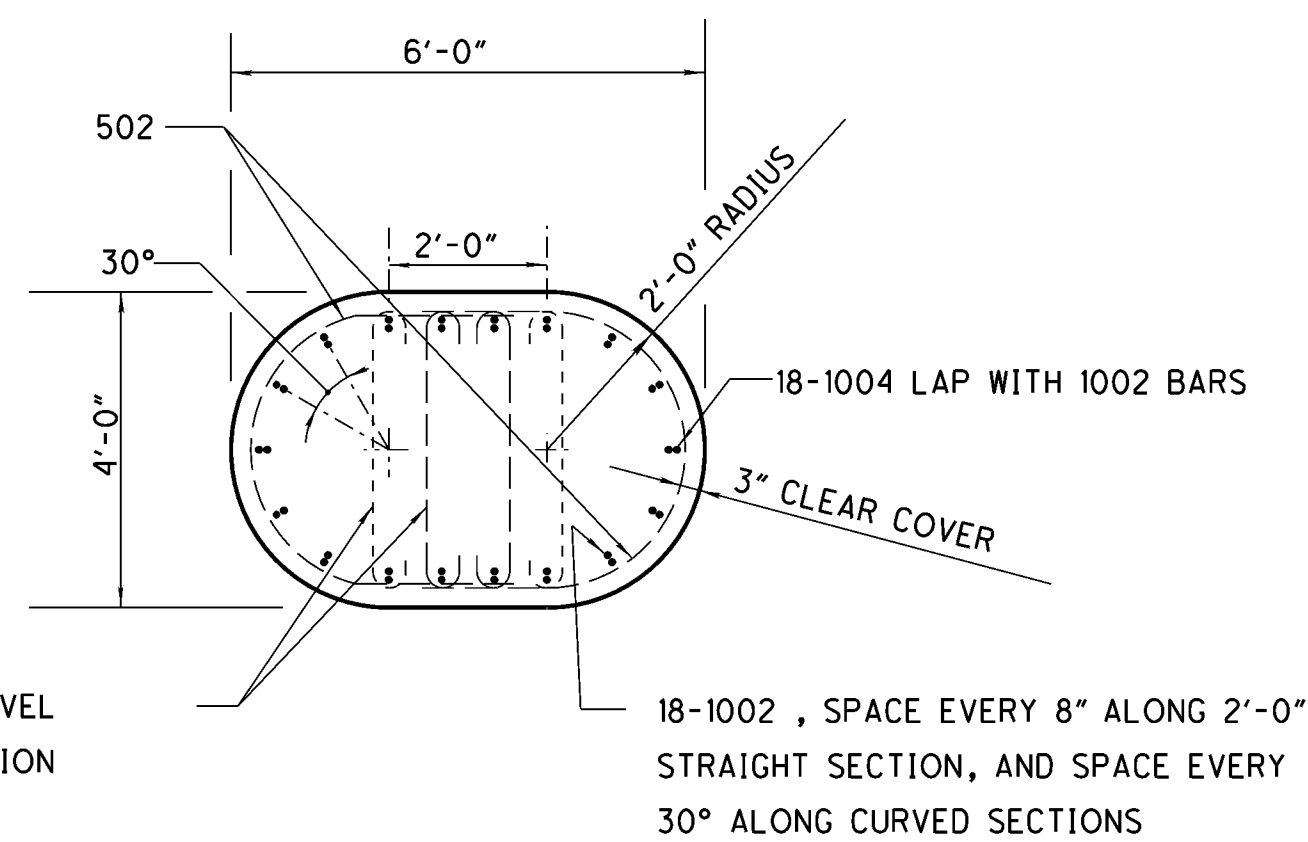
63A  
64



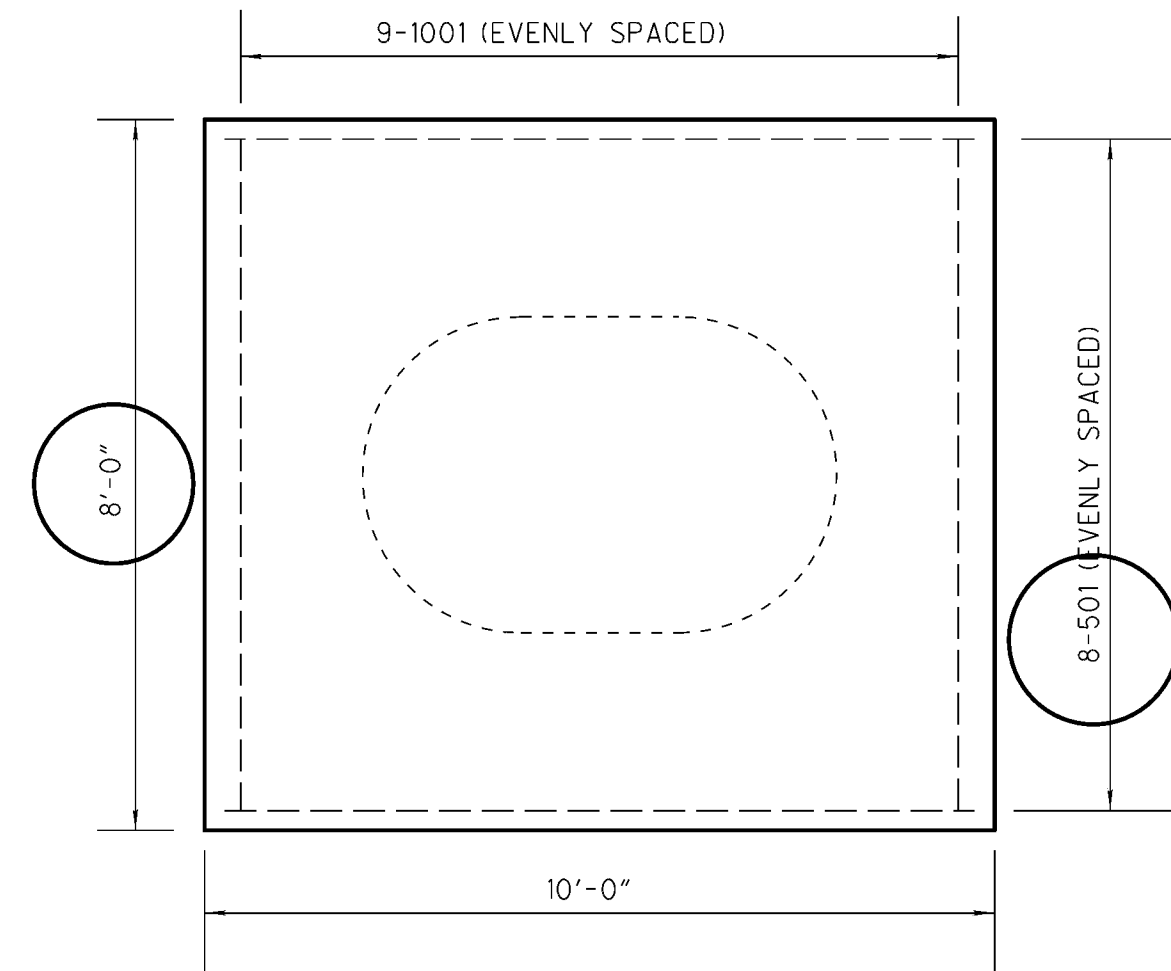
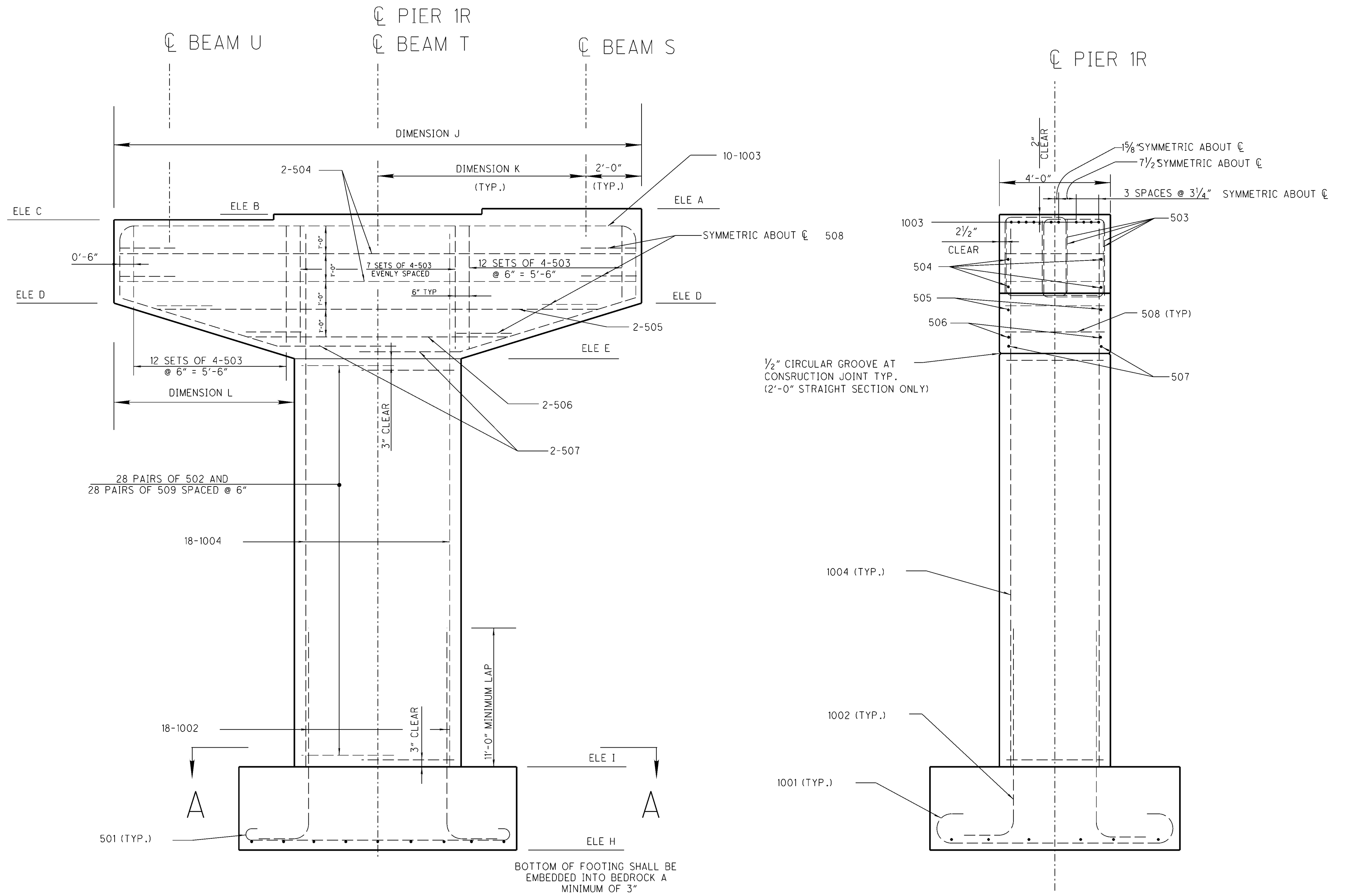
ADD THE PREFIX PIR BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

## PIER 1R

PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
PIR	501	8	10'-7 3/4"	7	9'-6"					
PIR	502	56	8'-7"	9	3'-4"	3'-6"				
PIR	503	124	7'-5 1/4"	2	2'-9"	2'-2 3/8"				
PIR	504	4	18'-7"	STR.						
PIR	505	2	15'-11 1/2"	STR.						
PIR	506	2	9'-5 1/2"	STR.						
PIR	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 1/2"			
PIR	508	8	7'-3 7/8"	2	2'-0"	3'-7"				
PIR	509	56	4'-8"	7	3'-6"					
PIR	1001	9	8'-2 1/2"	7	7'-6"					
PIR	1002	18	16'-2 1/2"	1	1'-9 5/8"	4'-8 1/2"				
PIR	1003	10	22'-11 1/2"	2	2'-6"	18'-6 5/8"				
PIR	1004	18	19'-2 1/2"	STR.						



### SECTION A-A



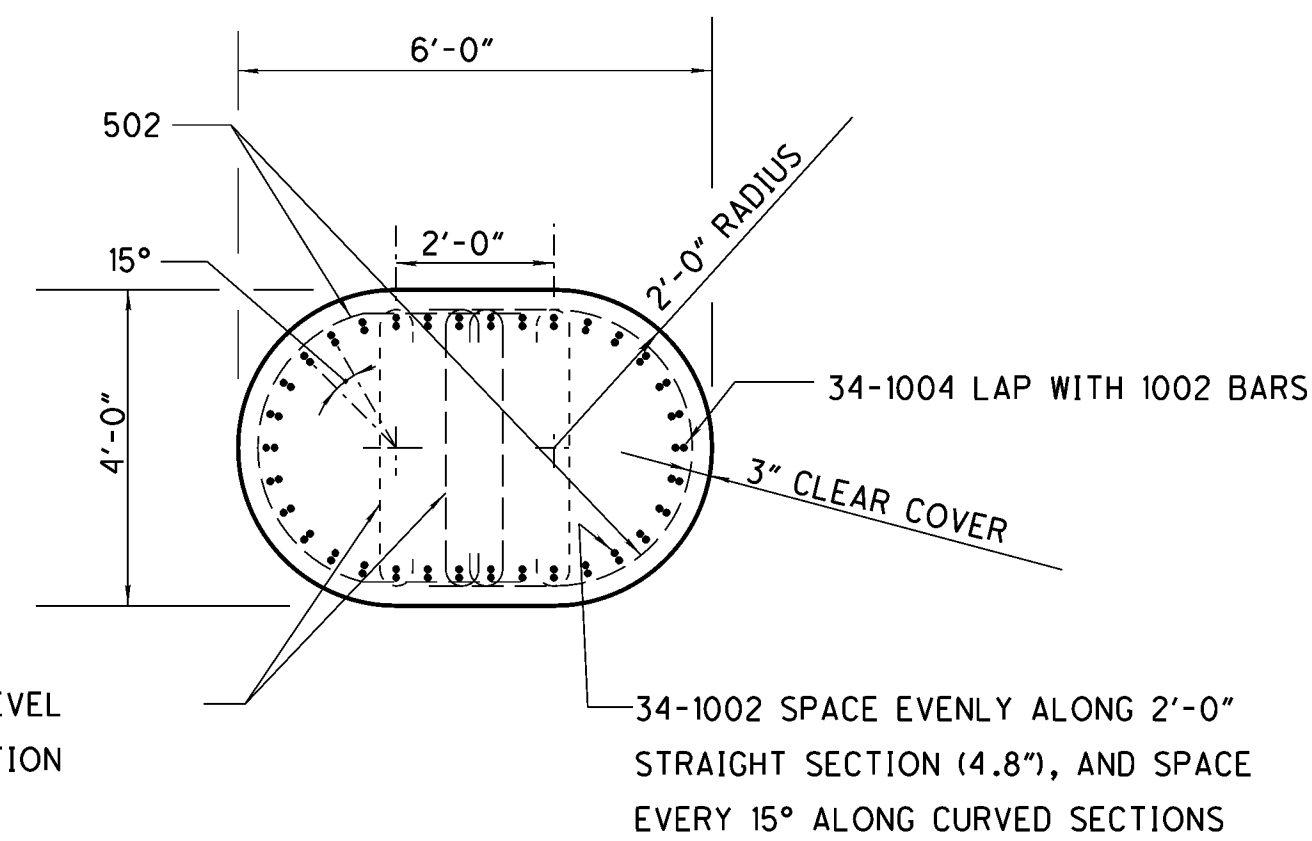
ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER

A	941.27
B	941.16
C	941.05
D	938.05
E	936.05
H	918.35
I	921.35
J	19'-0 15/16"
K	7'-6 7/16"
L	6'-6 7/16"

ADD THE PREFIX P2R BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

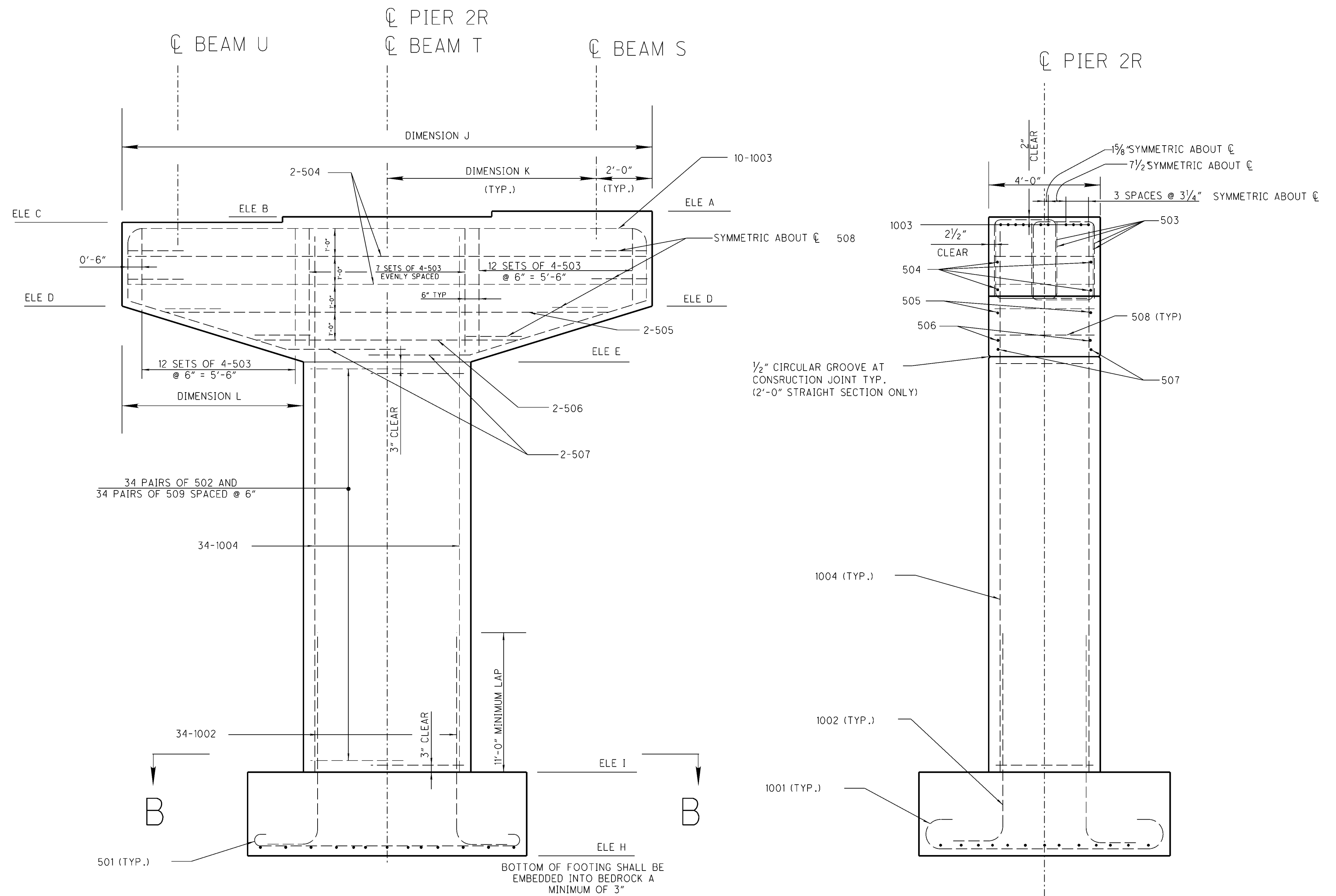
### PIER 2R

PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P2R	501	12	10'-7 <sup>3</sup> / <sub>4</sub> "	7	9'-6"					
P2R	502	68	8'-7"	9	3'-4"	3'-6"				
P2R	503	124	7'-5 <sup>1</sup> / <sub>4</sub> "	2	2'-9"	2'-2 <sup>3</sup> / <sub>8</sub> "				
P2R	504	4	18'-7"	STR.						
P2R	505	2	15'-11 <sup>1</sup> / <sub>2</sub> "	STR.						
P2R	506	2	9'-5 <sup>1</sup> / <sub>2</sub> "	STR.						
P2R	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 <sup>1</sup> / <sub>2</sub> "			
P2R	508	8	7'-3 <sup>3</sup> / <sub>8</sub> "	2	2'-0"	3'-7"				
P2R	509	68	4'-8"	7	3'-6"					
P2R	1001	13	13'-4"	7	10'-6"					
P2R	1002	34	16'-2 <sup>1</sup> / <sub>2</sub> "	1	1'-9 <sup>5</sup> / <sub>8</sub> "	14'-8 <sup>1</sup> / <sub>2</sub> "				
P2R	1003	10	22'-10 <sup>1</sup> / <sub>4</sub> "	2	2'-6"	18'-5 <sup>3</sup> / <sub>4</sub> "				
P2R	1004	34	21'-6"	STR.						

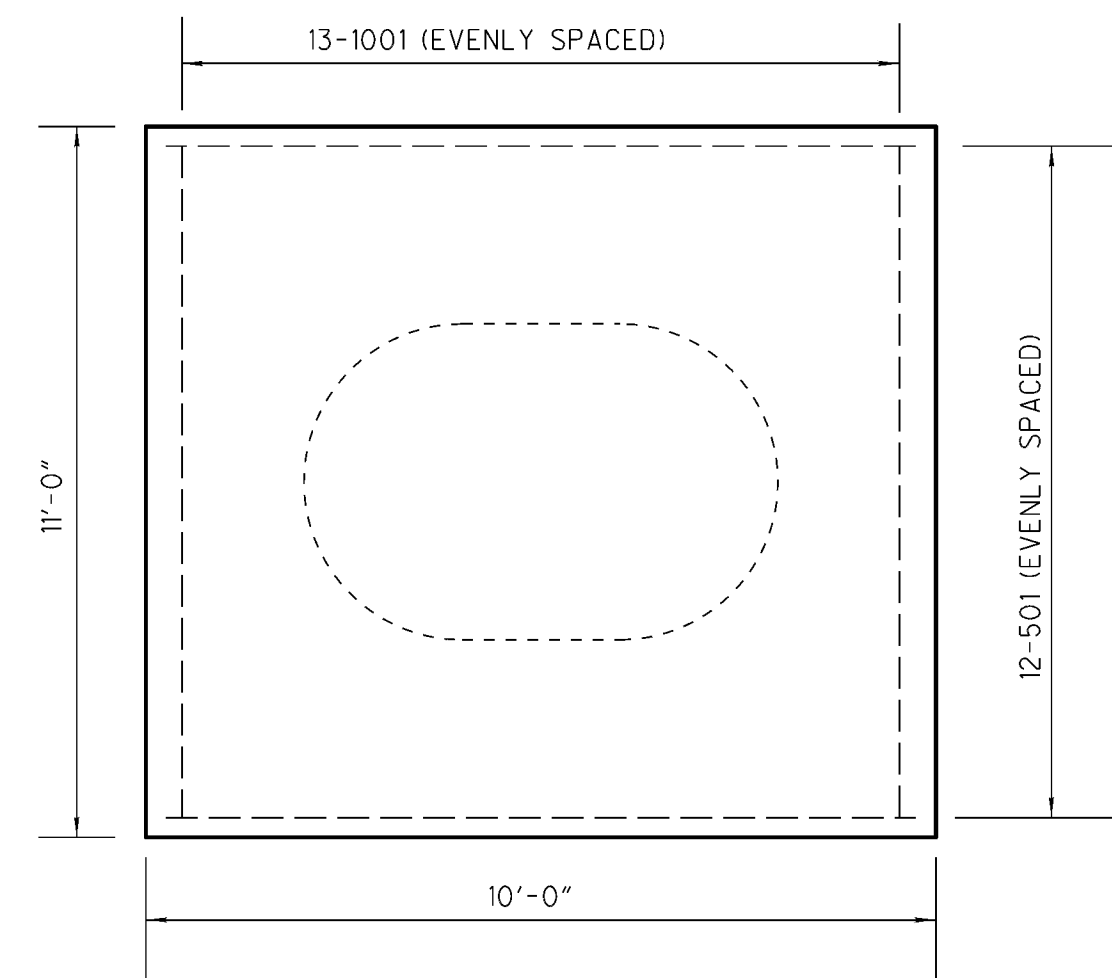


509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

### SECTION B-B



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER



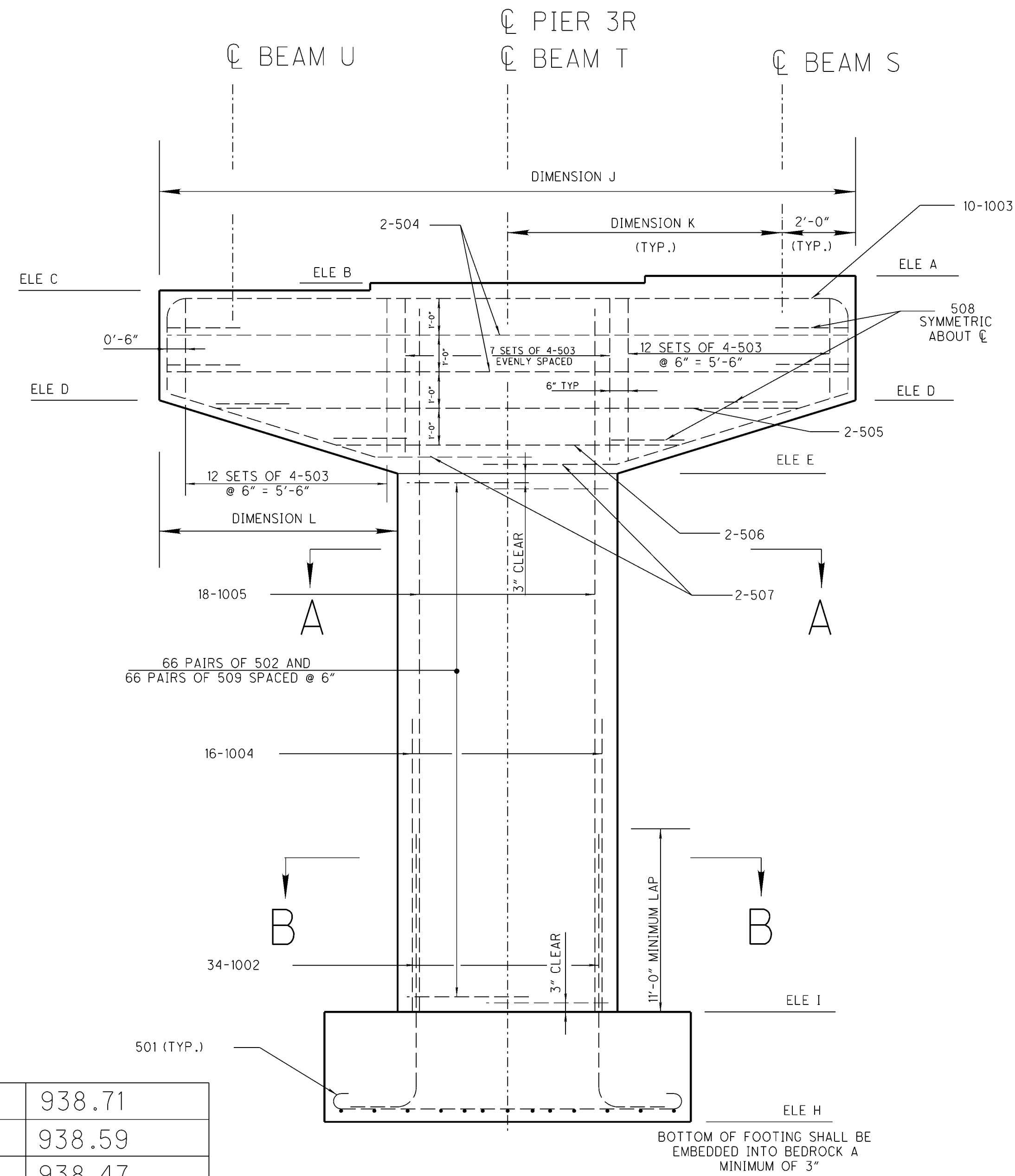
ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER

A	940.8
B	940.68
C	940.56
D	937.56
E	935.56
H	914.55
I	918.55
J	19'-0"
K	7'-6"
L	6'-6"

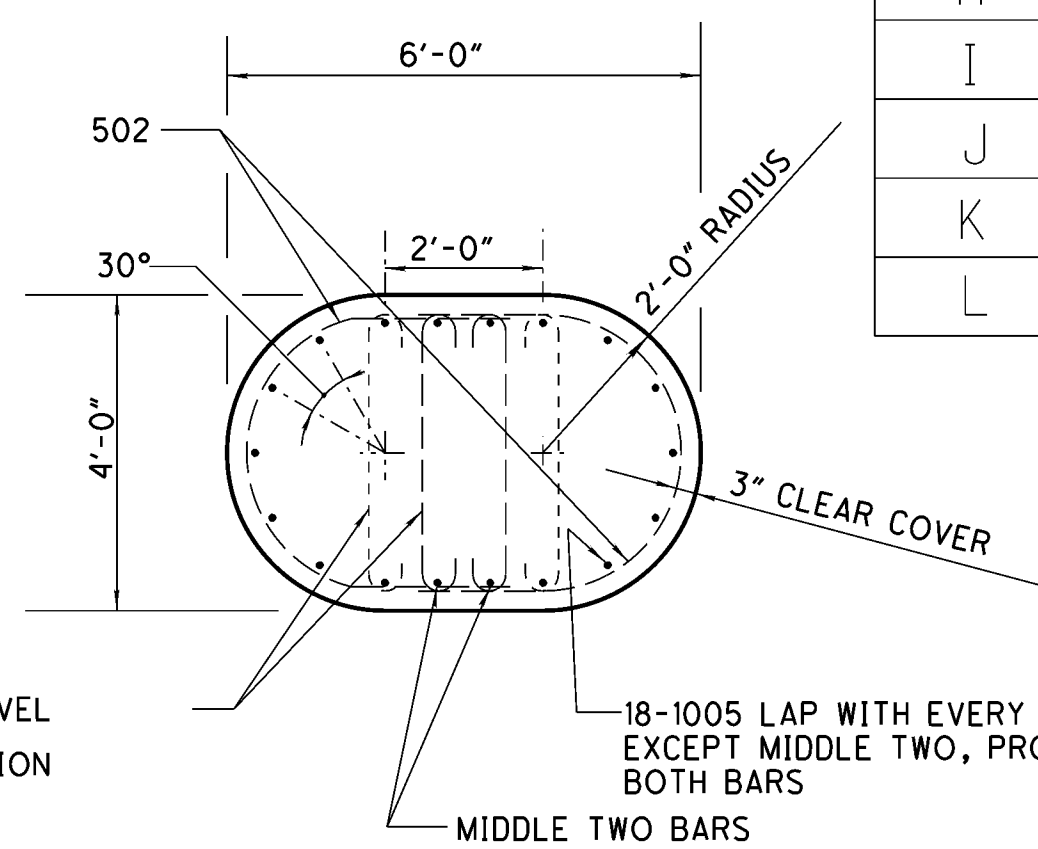
ADD THE PREFIX P3R BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

# PIER 3R

PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P3R	501	13	10'-7 $\frac{3}{4}$ "	7	9'-6"					
P3R	502	132	8'-7"	9	3'-4"	3'-6"				
P3R	503	124	7'-5 $\frac{1}{4}$ "	2	2'-9"	2'-2 $\frac{3}{8}$ "				
P3R	504	4	18'-7"	STR.						
P3R	505	2	15'-11 $\frac{1}{2}$ "	STR.						
P3R	506	2	9'-5 $\frac{1}{2}$ "	STR.						
P3R	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 $\frac{1}{2}$ "			
P3R	508	8	7'-3 $\frac{1}{8}$ "	2	2'-0"	3'-7"				
P3R	509	132	4'-8"	7	3'-6"					
P3R	1001	13	14'-4"	7	11'-6"					
P3R	1002	34	16'-2 $\frac{1}{2}$ "	1	1'-9 $\frac{3}{8}$ "	14'-8 $\frac{1}{2}$ "				
P3R	1003	10	22'-10 $\frac{1}{4}$ "	2	2'-6"	18'-5 $\frac{3}{4}$ "				
P3R	1004	16	15'-6"	STR.						
P3R	1005	18	37'-7 $\frac{1}{2}$ "	STR.						

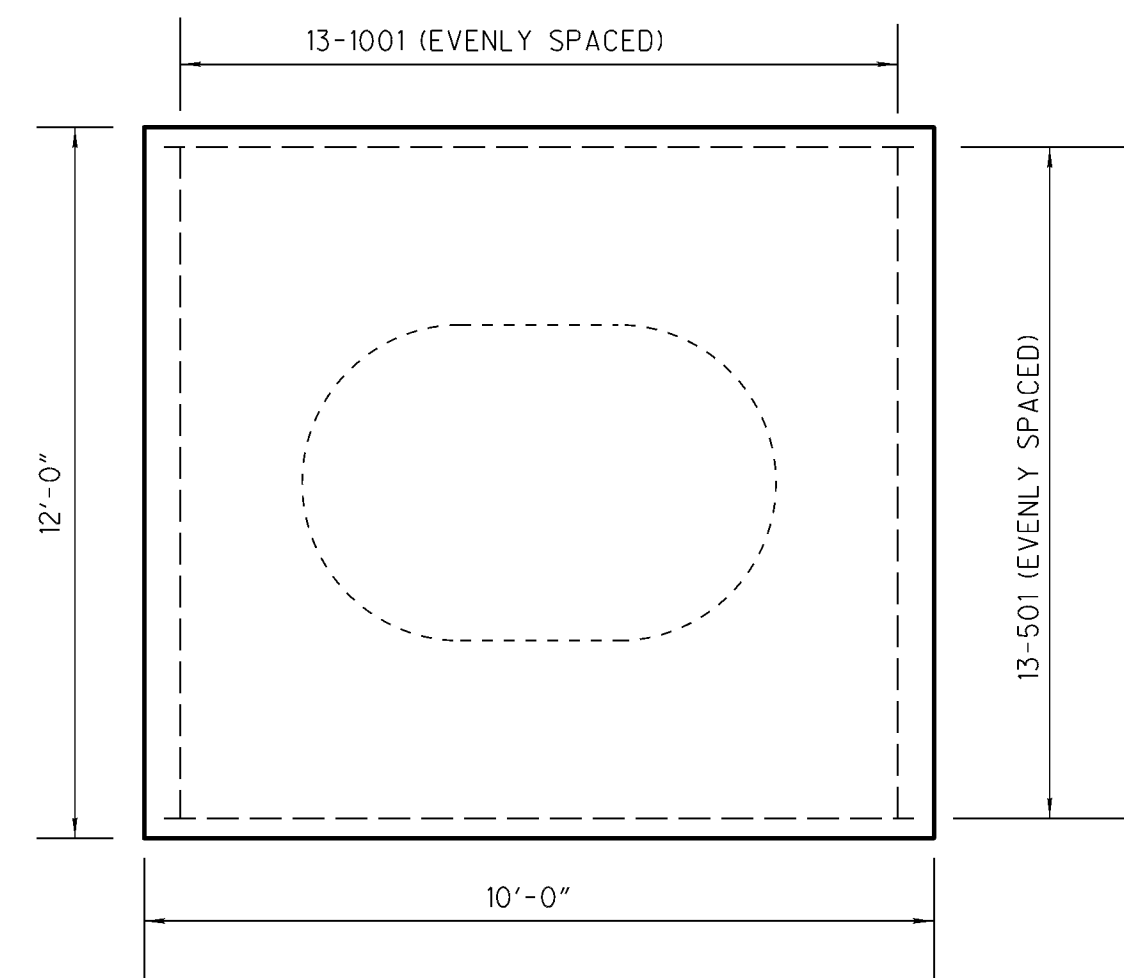


A	938.71
B	938.59
C	938.47
D	935.47
E	933.47
H	896.35
I	900.35
J	19'-0"
K	7'-6"
L	6'-6"

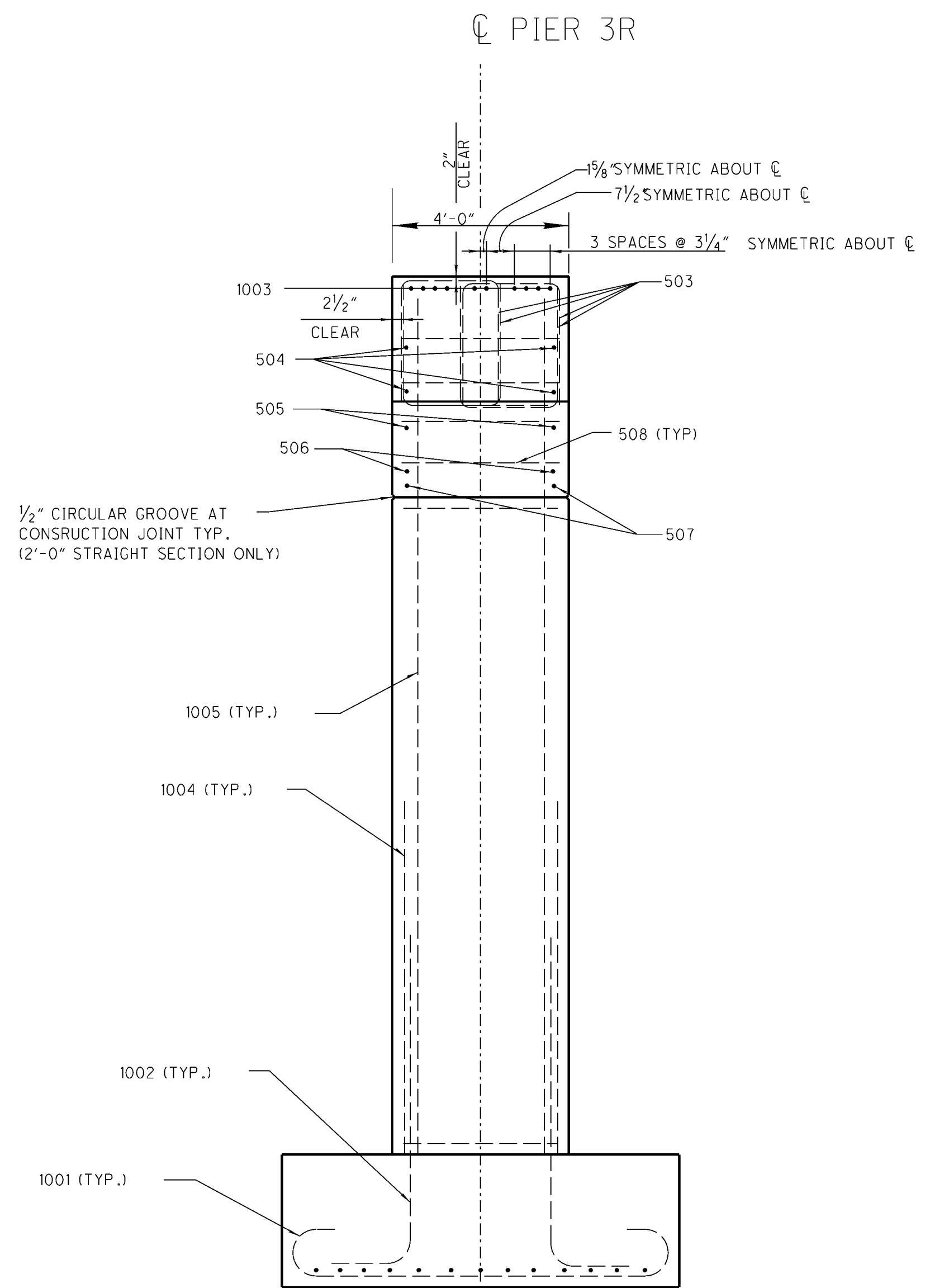


509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

SECTION A-A



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER

16-1004 LAP WITH 1002 BARS

509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

18-1005 LAP WITH 1002 BARS  
 3" CLEAR COVER  
 34-1002 SPACE EVENLY ALONG 2'-0" STRAIGHT SECTION (4.8"), AND SPACE EVERY 15° ALONG CURVED SECTIONS

SECTION B-B

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

DATE  
REVISED  
STRUCTURE FILE NUMBER  
1810774

DRAWN  
MJM  
CHECKED  
NRC

CHANGE ORDER

PIER 3R DETAIL  
BRIDGE NO. CUY-271-0232R  
I-271 OVER TINKERS CREEK

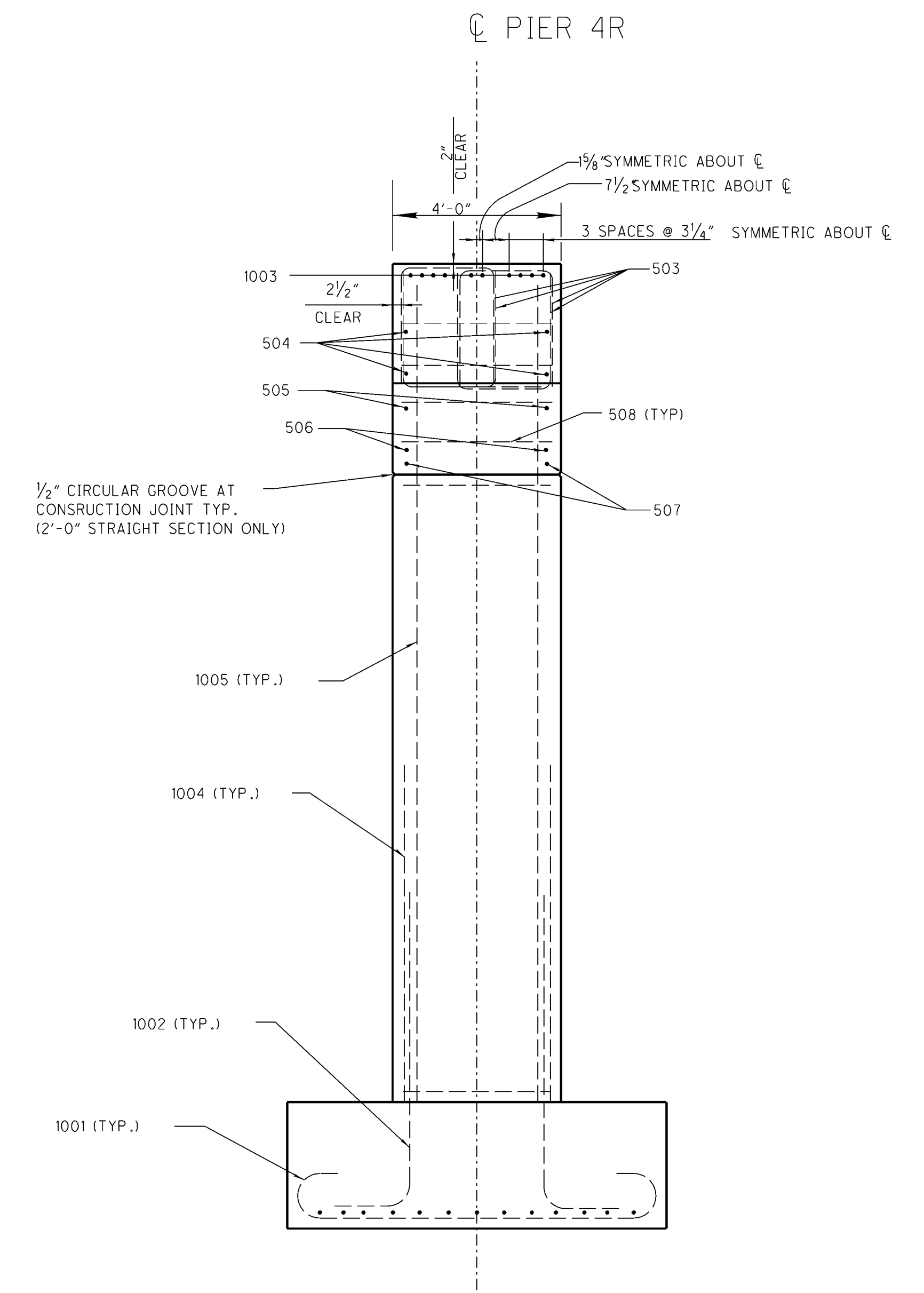
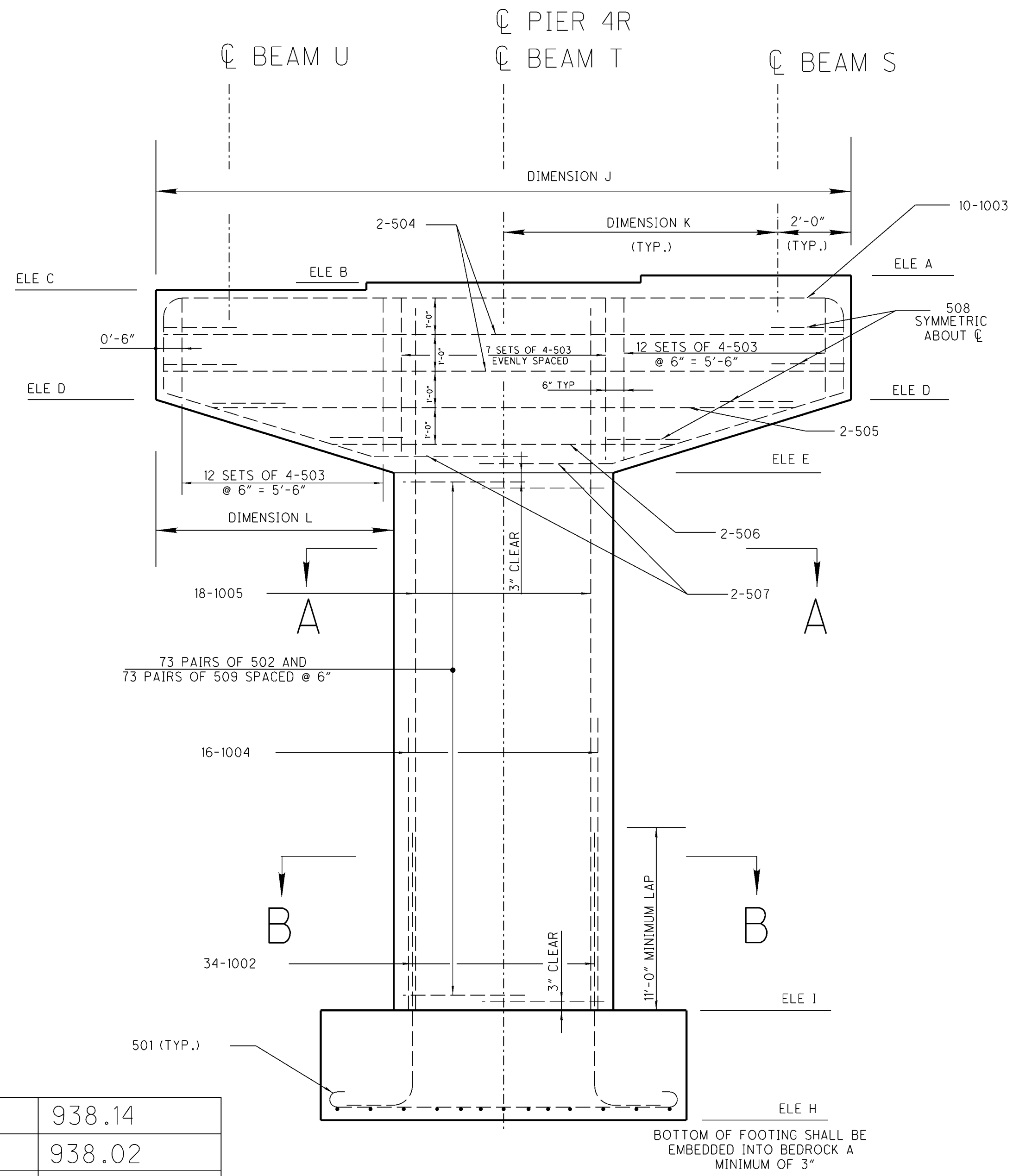
CUY-271-2.32

3P

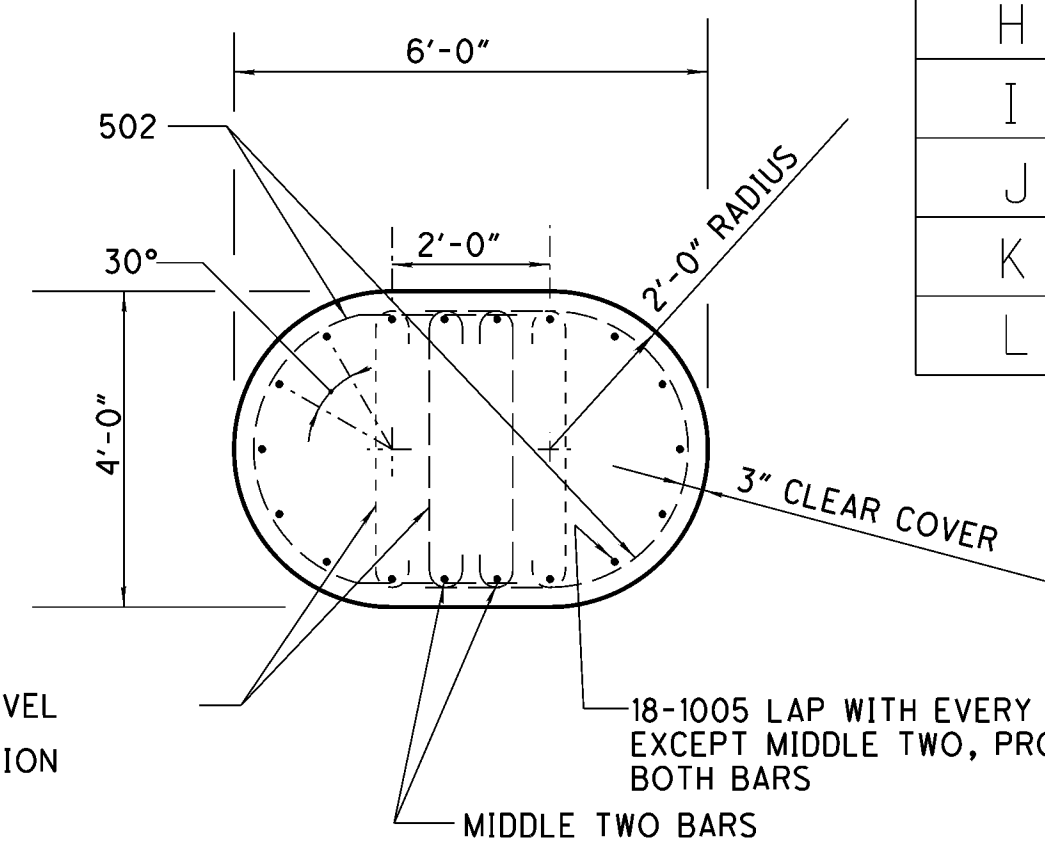
ADD THE PREFIX P4R BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

# PIER 4R

PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P4R	501	13	10'-7 3/4"	7	9'-6"					
P4R	502	146	8'-7"	9	3'-4"	3'-6"				
P4R	503	124	7'-5 1/4"	2	2'-9"	2'-2 3/8"				
P4R	504	4	18'-7"	STR.						
P4R	505	2	15'-11 1/2"	STR.						
P4R	506	2	9'-5 1/2"	STR.						
P4R	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 1/2"			
P4R	508	8	7'-3 1/6"	2	2'-0"	3'-7"				
P4R	509	146	4'-8"	7	3'-6"					
P4R	1001	13	14'-4"	7	11'-6"					
P4R	1002	34	16'-2 1/2"	1	1'-9 5/8"	14'-8 1/2"				
P4R	1003	10	22'-10 1/4"	2	2'-6"	18'-5 3/4"				
P4R	1004	16	19'-3 3/4"	STR.						
P4R	1005	18	41'-1 1/4"	STR.						



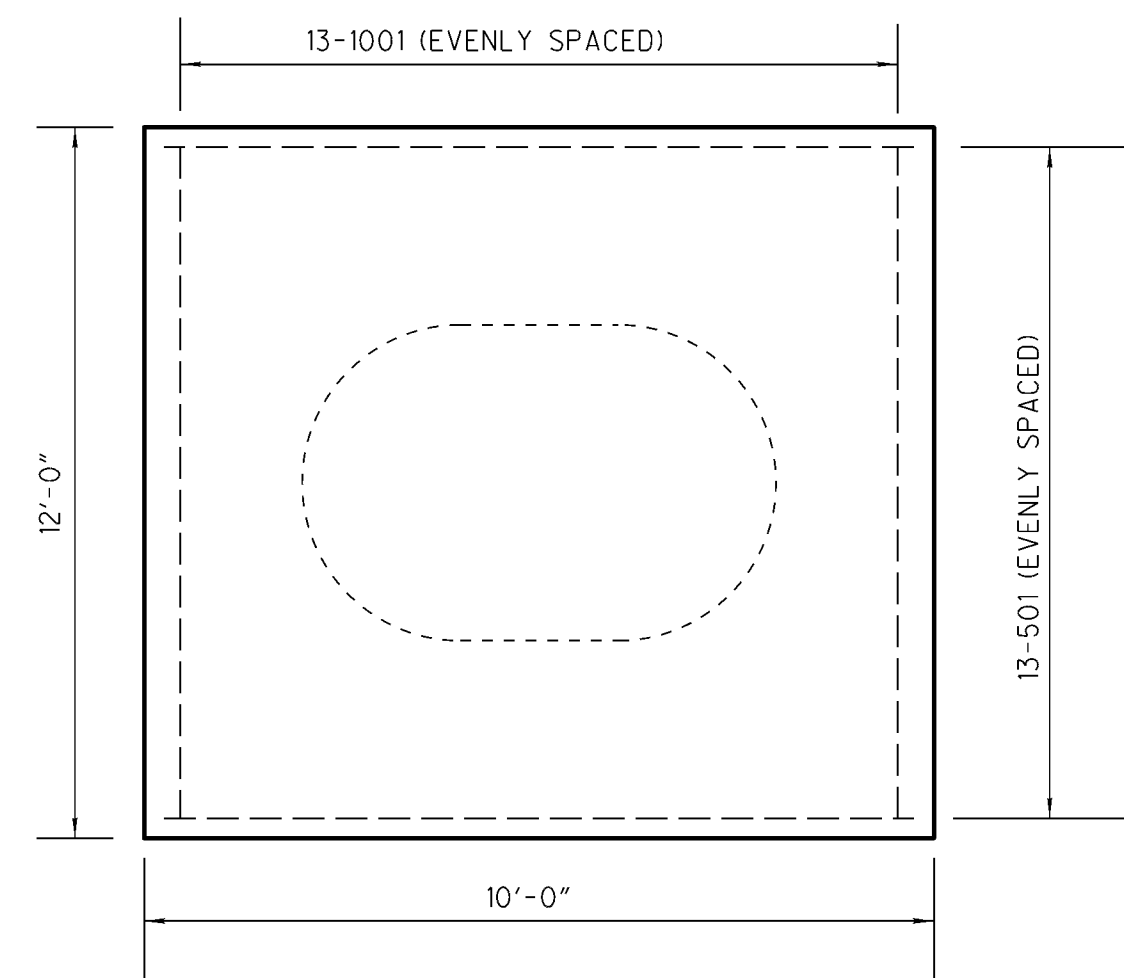
A	938.14
B	938.02
C	937.9
D	934.9
E	932.9
H	892.25
I	896.25
J	19'-0"
K	7'-6"
L	6'-6"



509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

18-1005 LAP WITH EVERY OTHER 1002 EXCEPT MIDDLE TWO, PROVIDE LAP FOR BOTH BARS  
MIDDLE TWO BARS

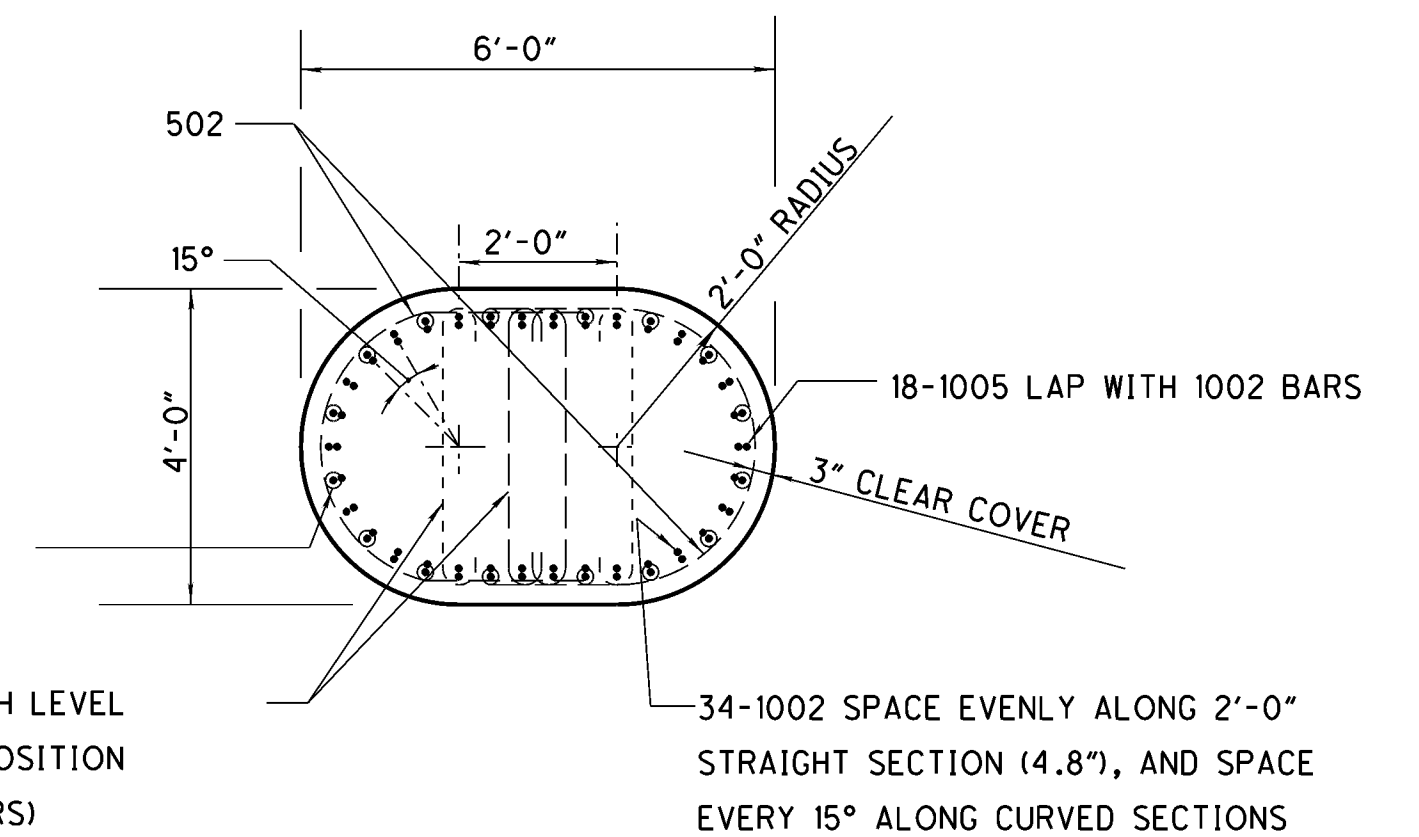
SECTION A-A



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER

16-1004 LAP WITH 1002 BARS

509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)



SECTION B-B

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

DATE  
REVIEWED  
STRUCTURE FILE NUMBER  
1810774

DRAWN  
MJM  
REVISIONS  
DESIGNED  
MJM  
CHECKED  
NRC

CHANGE ORDER

PIER 4R DETAIL  
BRIDGE NO. CUY-271-0232R  
I-271 OVER TINKERS CREEK

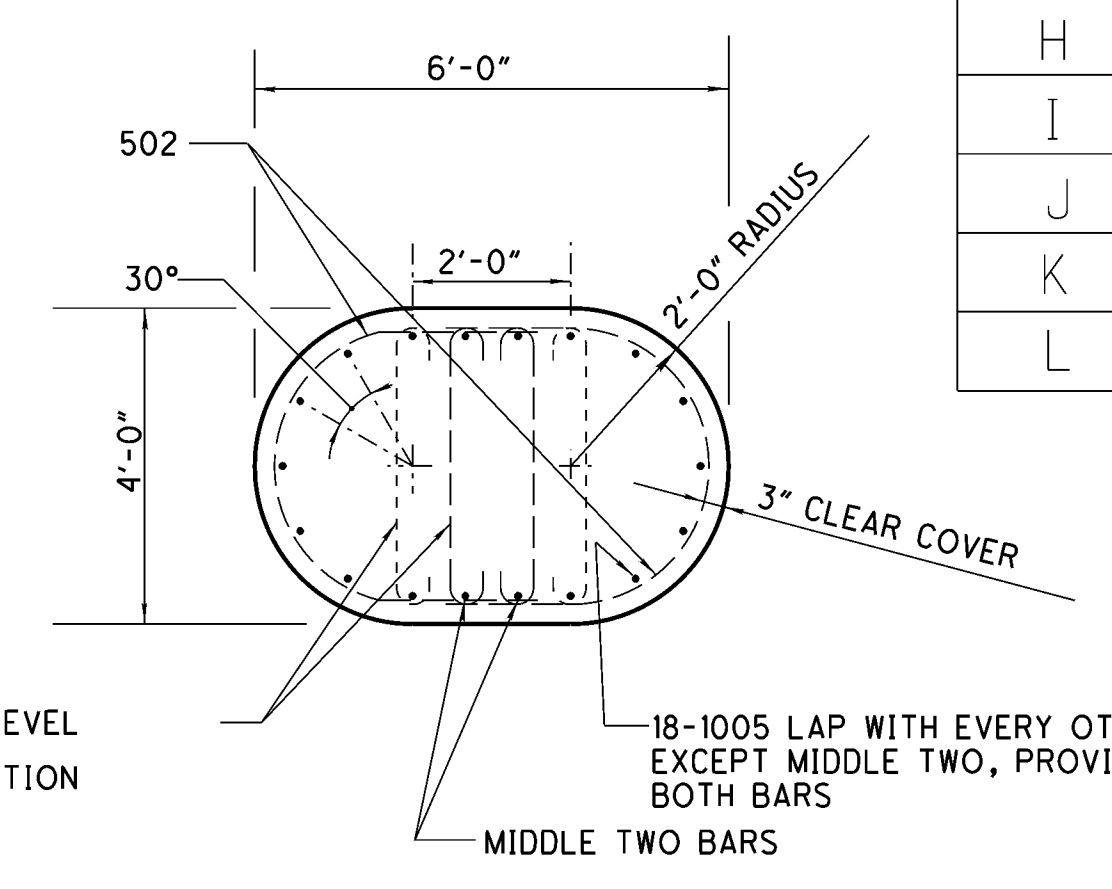
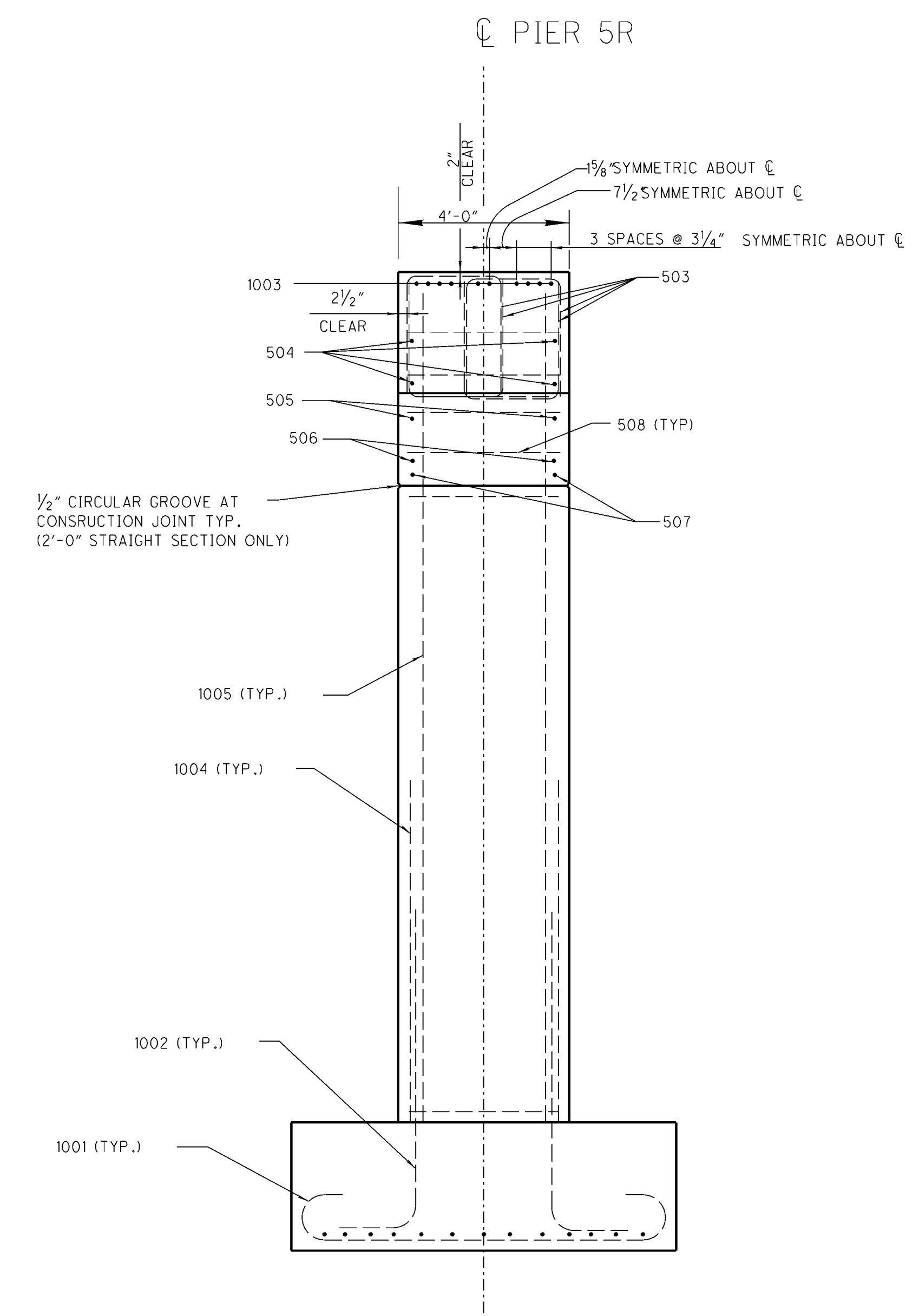
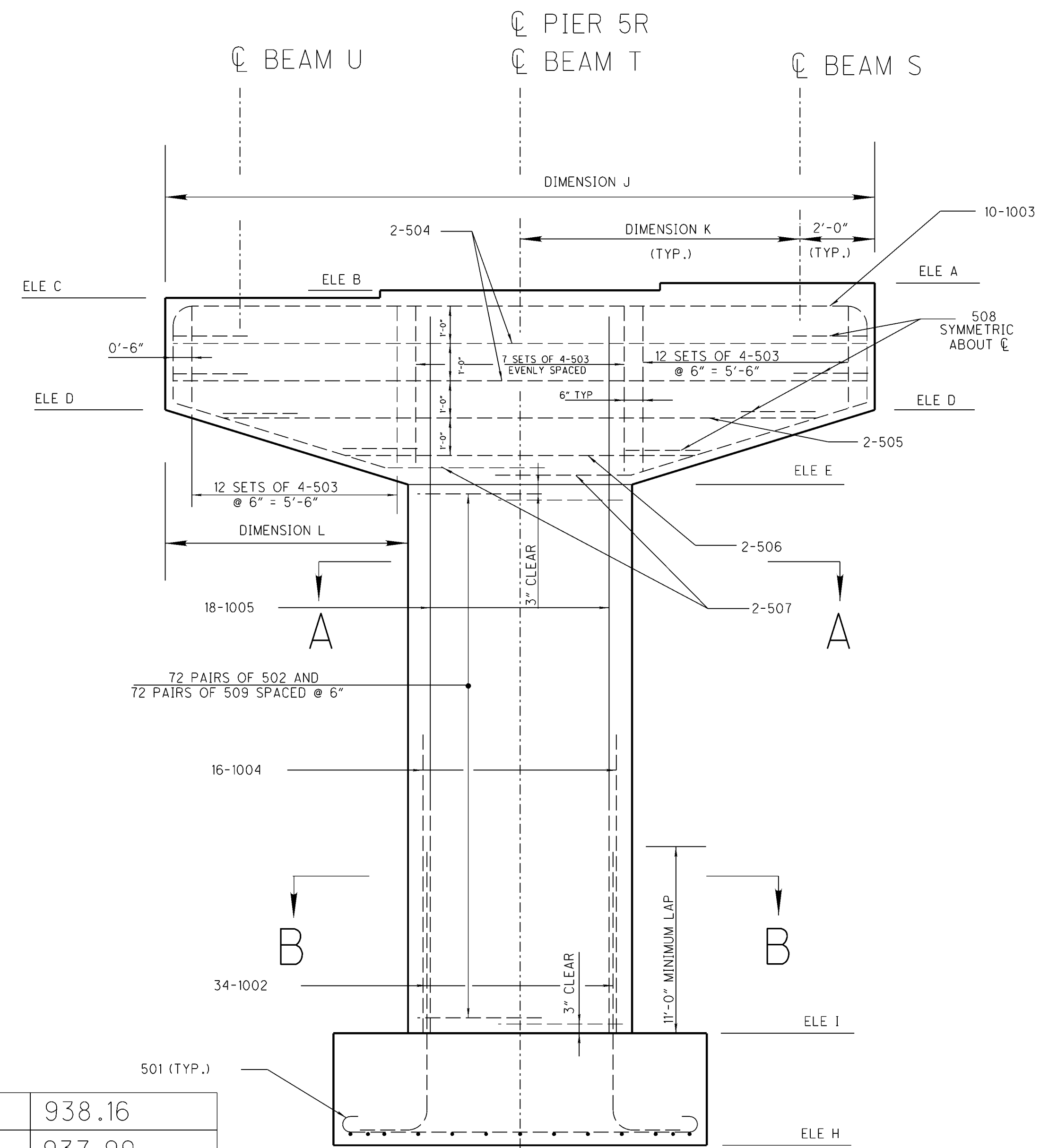
CUY-271-2.32

4P

ADD THE PREFIX P5R BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

# PIER 5R

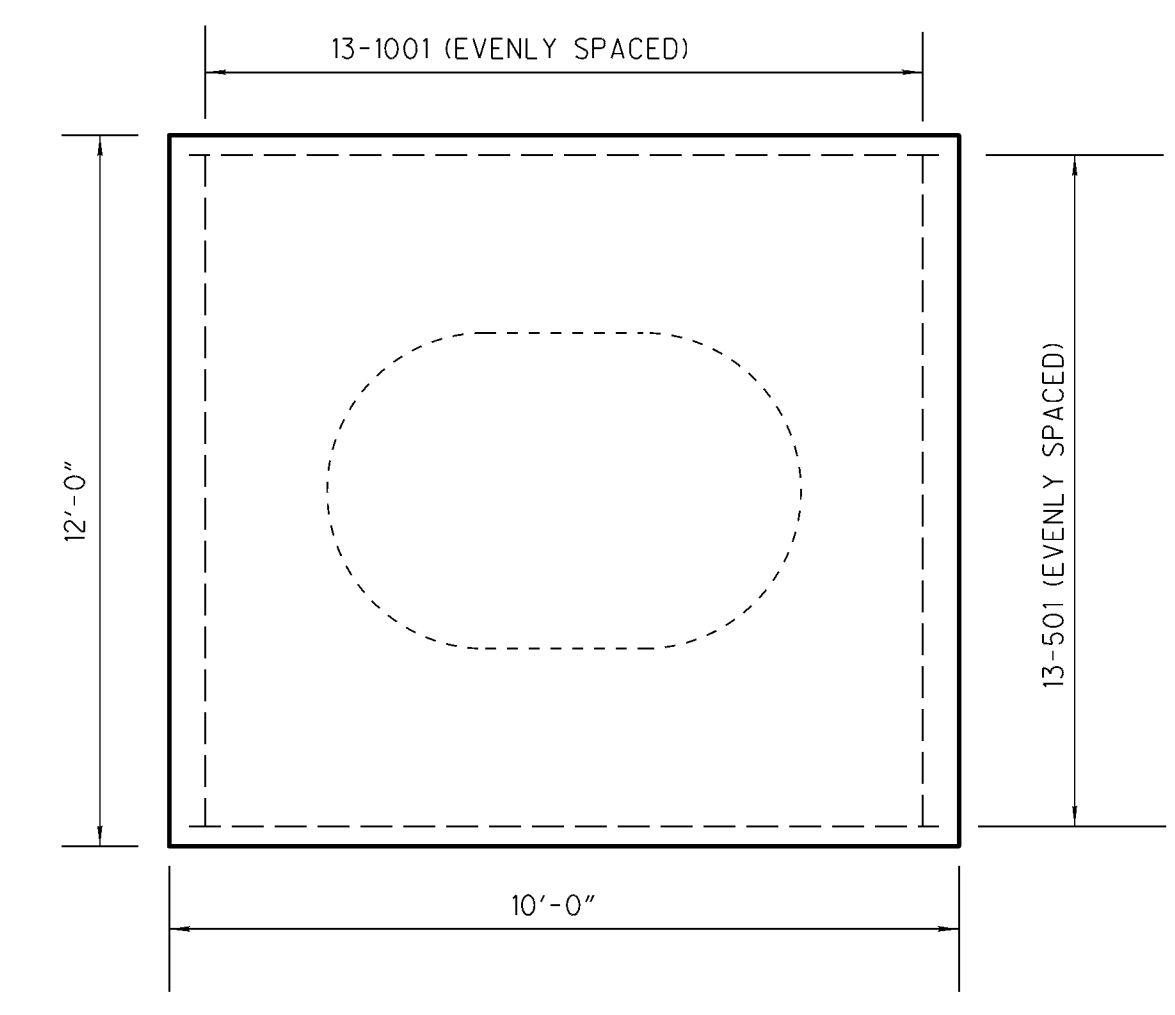
PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P5R	501	13	10'-7 $\frac{3}{4}$ "	7	9'-6"					
P5R	502	144	8'-7"	9	3'-4"	3'-6"				
P5R	503	124	7'-5 $\frac{1}{4}$ "	2	2'-9"	2'-2 $\frac{3}{8}$ "				
P5R	504	4	18'-7"	STR.						
P5R	505	2	15'-11 $\frac{1}{2}$ "	STR.						
P5R	506	2	9'-5 $\frac{1}{2}$ "	STR.						
P5R	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 $\frac{1}{2}$ "			
P5R	508	8	7'-3 $\frac{1}{8}$ "	2	2'-0"	3'-7"				
P5R	509	144	4'-8"	7	3'-6"					
P5R	1001	13	14'-4"	7	11'-6"					
P5R	1002	34	16'-2 $\frac{1}{2}$ "	1	1'-9 $\frac{5}{8}$ "	14'-8 $\frac{1}{2}$ "				
P5R	1003	10	22'-10 $\frac{1}{4}$ "	2	2'-6"	18'-5 $\frac{3}{4}$ "				
P5R	1004	16	18'-4"	STR.						
P5R	1005	18	40'-1 $\frac{1}{2}$ "	STR.						



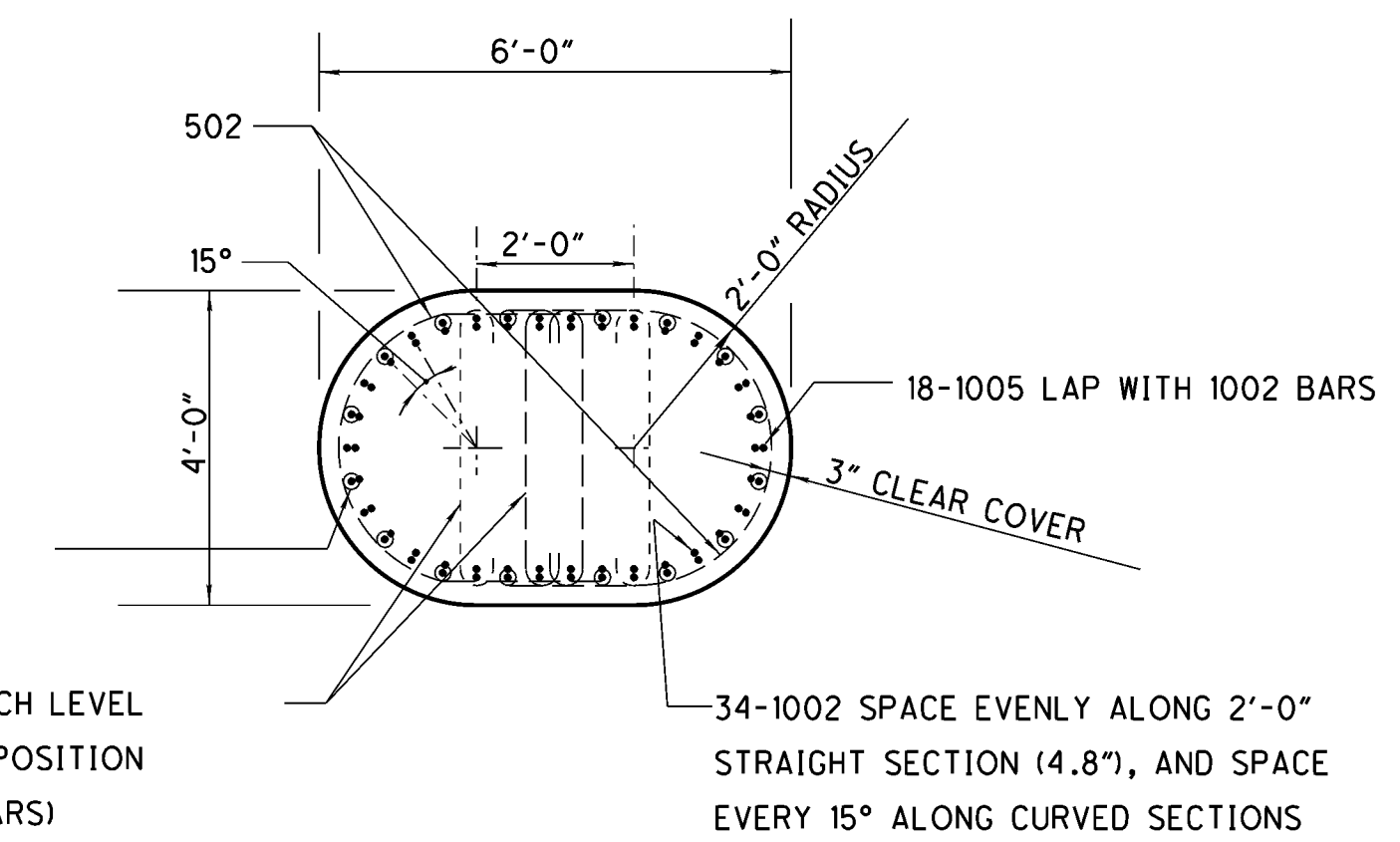
509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

SECTION A-A

A	938.16
B	937.99
C	937.87
D	934.87
E	932.87
H	893.25
I	897.25
J	19'-0"
K	7'-6"
L	6'-6"



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER



16-1004 LAP WITH 1002 BARS

509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

SECTION B-B

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

DATE  
REVISED  
STRUCTURE FILE NUMBER  
1810774

DRAWN  
MJM  
REVISIONS  
CHECKED  
NRC

CHANGE ORDER

PIER 5R DETAIL  
BRIDGE NO. CUY-271-0232R  
I-271 OVER TINKERS CREEK

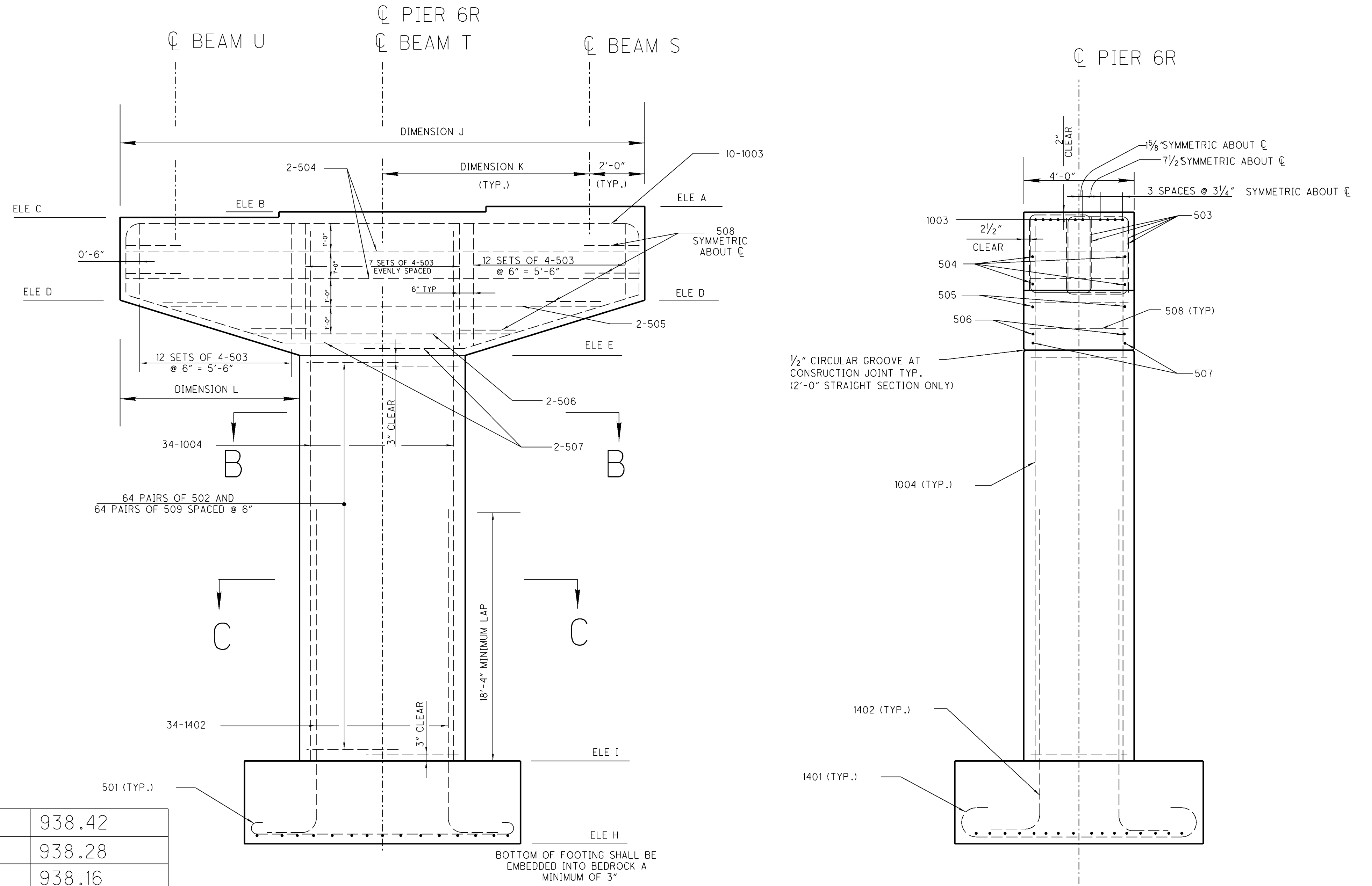
CUY-271-2.32

5P

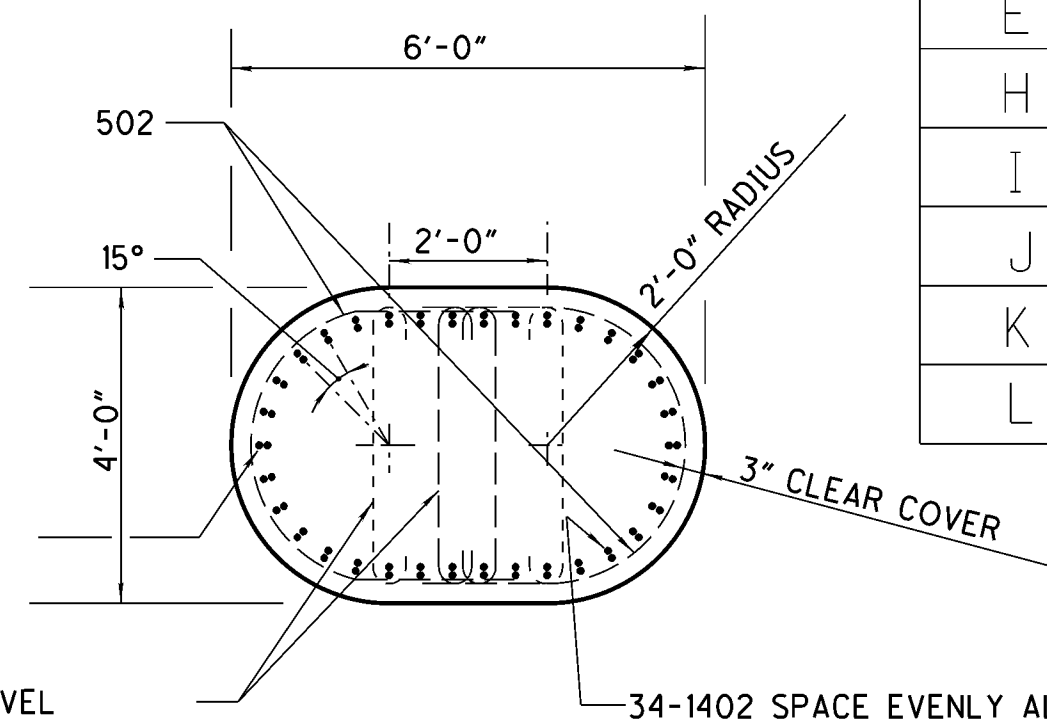
ADD THE PREFIX P6R BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

# PIER 6R

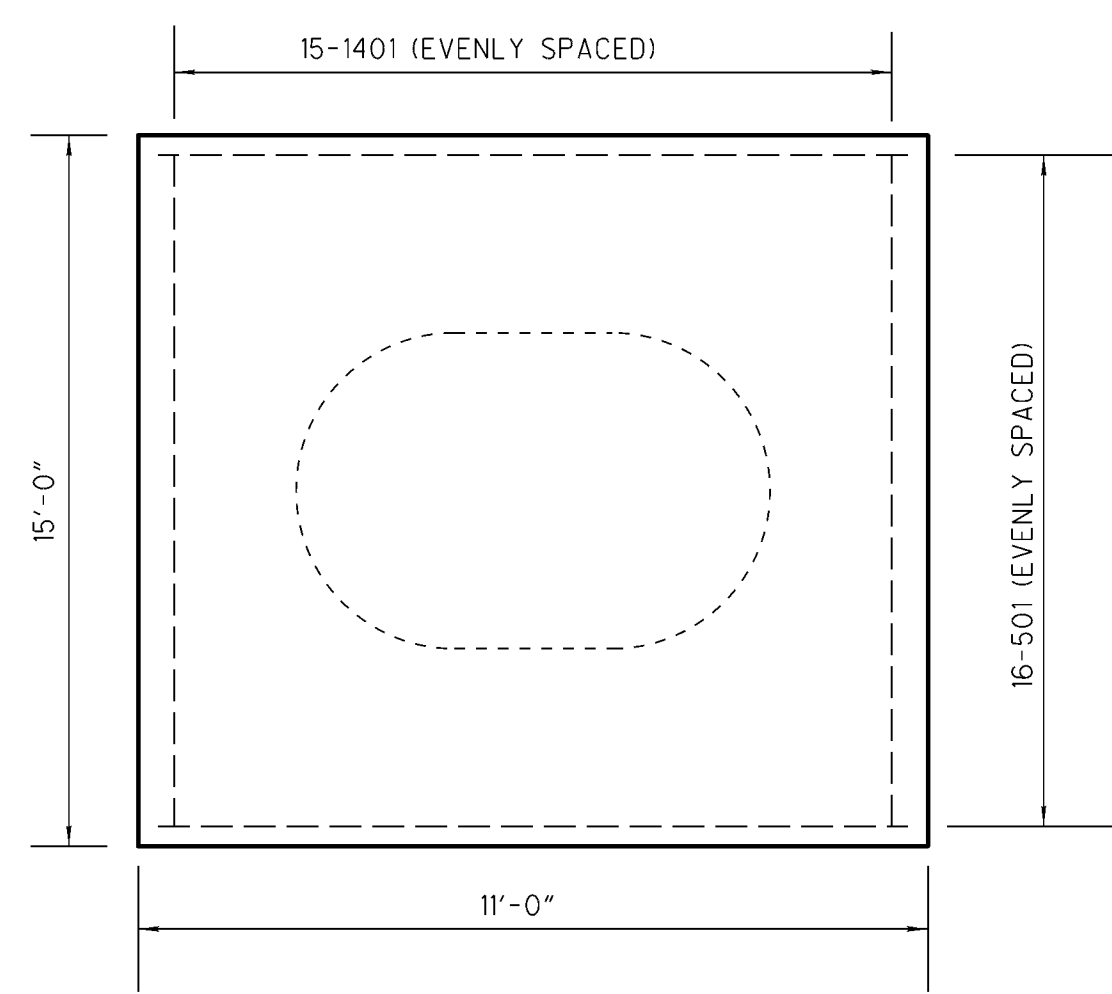
PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P6R	501	16	11'-7 3/4"	7	0'-6"					
P6R	502	128	8'-7"	9	3'-4"	3'-6"				
P6R	503	124	7'-5 1/4"	2	2'-9"	2'-2 3/8"				
P6R	504	4	18'-7"	STR.						
P6R	505	2	15'-11 1/2"	STR.						
P6R	506	2	9'-5 1/2"	STR.						
P6R	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 1/2"			
P6R	508	8	7'-3 1/8"	2	2'-0"	3'-7"				
P6R	509	128	4'-8"	7	3'-6"					
P6R	1003	10	22'-10 1/4"	2	2'-6"	18'-5 3/4"				
P6R	1004	34	36'-6"	STR.						
P6R	1401	15	19'-0"	7	14'-6"					
P6R	1402	34	24'-1 1/2"	1	2'-6 1/2"	22'-0 1/2"				



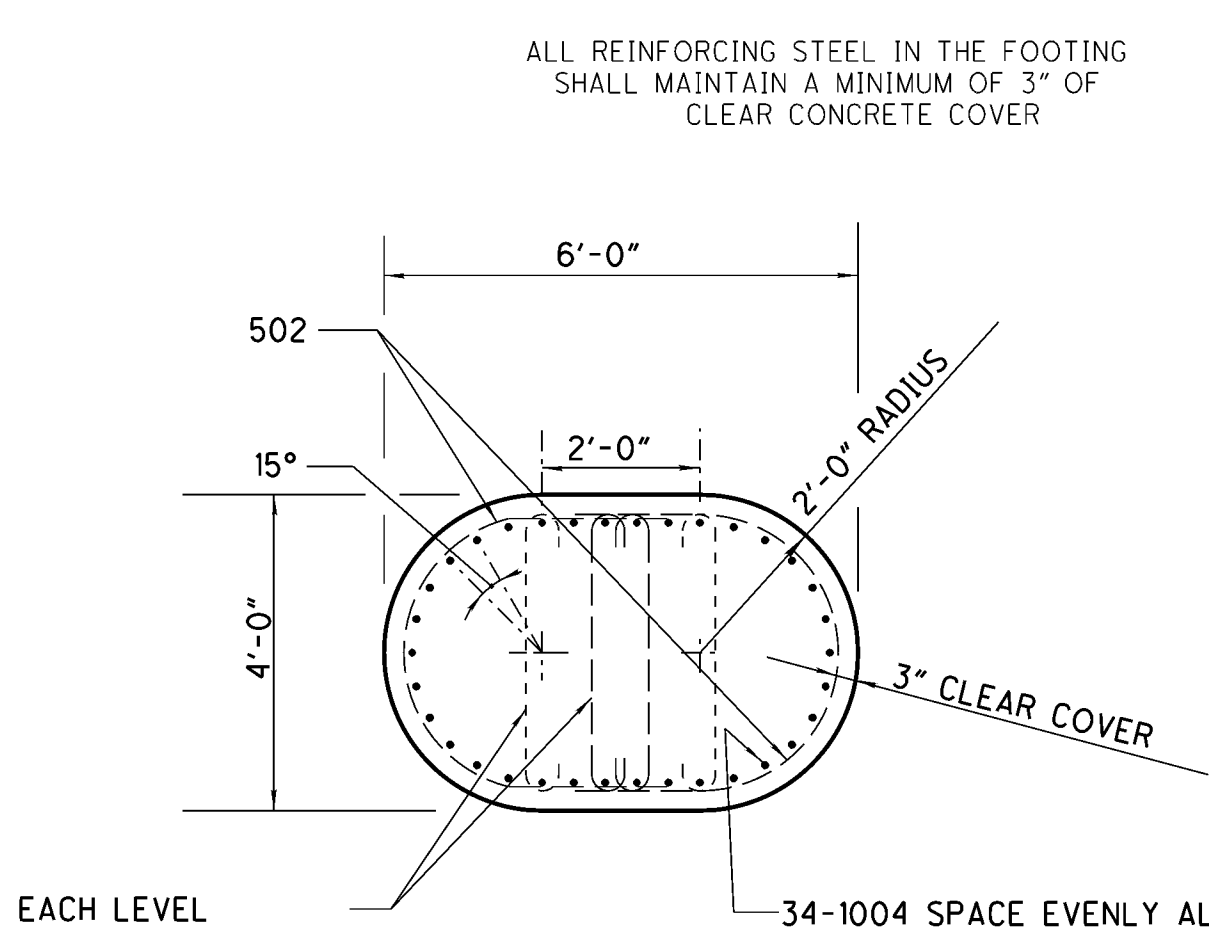
A	938.42
B	938.28
C	938.16
D	935.16
E	933.16
H	897.15
I	901.15
J	19'-0"
K	7'-6"
L	6'-6"



SECTION C-C



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER



SECTION B-B

34-1004 LAP WITH 1402 BARS

509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

34-1402 SPACE EVENLY ALONG 2'-0" STRAIGHT SECTION (4.8"), AND SPACE EVERY 15° ALONG CURVED SECTIONS

509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

34-1004 SPACE EVENLY ALONG 2'-0" STRAIGHT SECTION (4.8"), AND SPACE EVERY 15° ALONG CURVED SECTIONS (LAP WITH 1402 BARS)

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

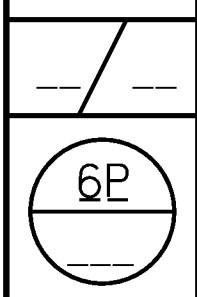
DATE  
REVIEWED  
STRUCTURE FILE NUMBER  
1810774

DRAWN  
MJM  
CHECKED  
NRC

CHANGE ORDER

PIER 6R DETAIL  
BRIDGE NO. CUY-271-0232R  
I-271 OVER TINKERS CREEK

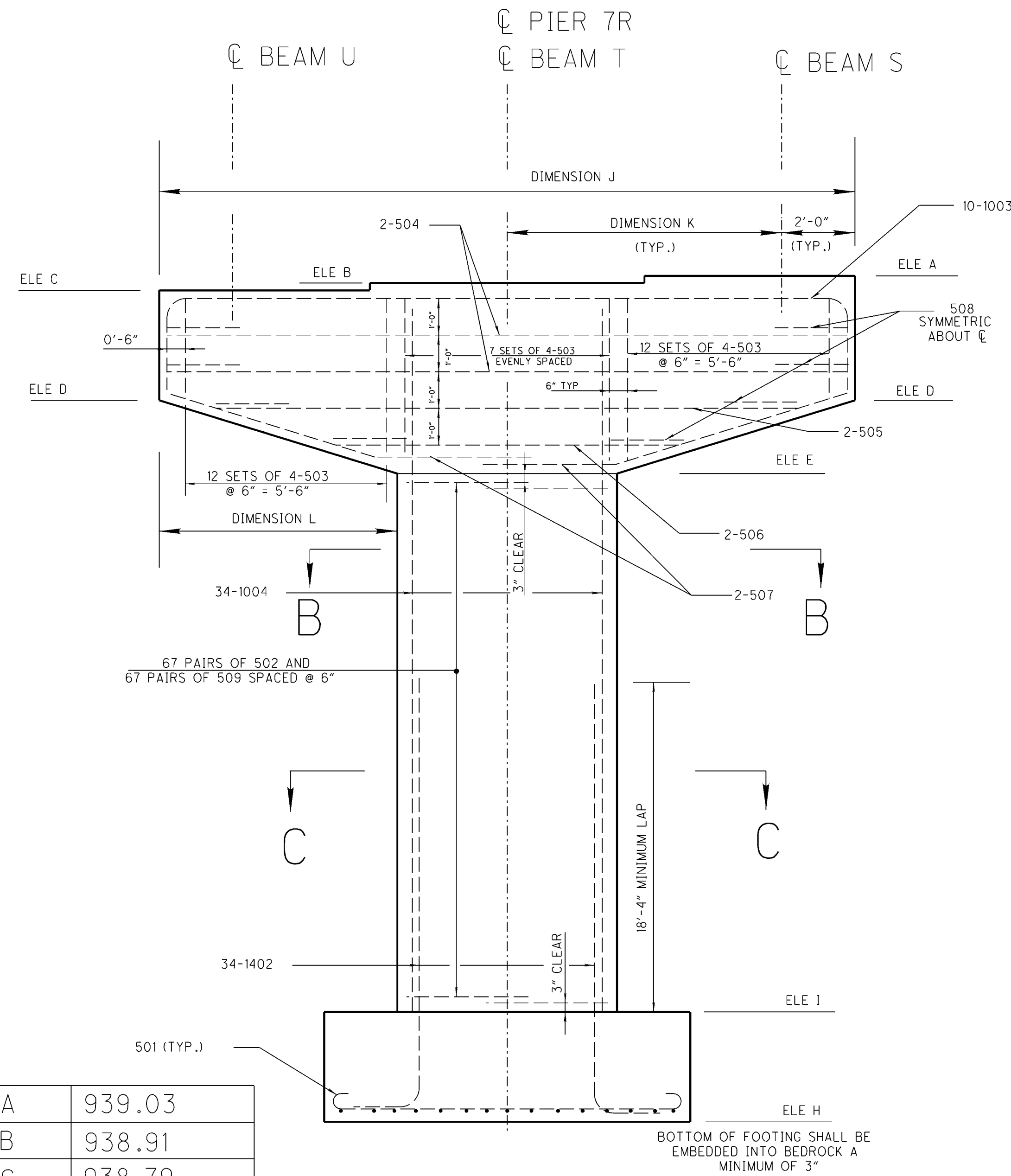
CUY-271-2.32



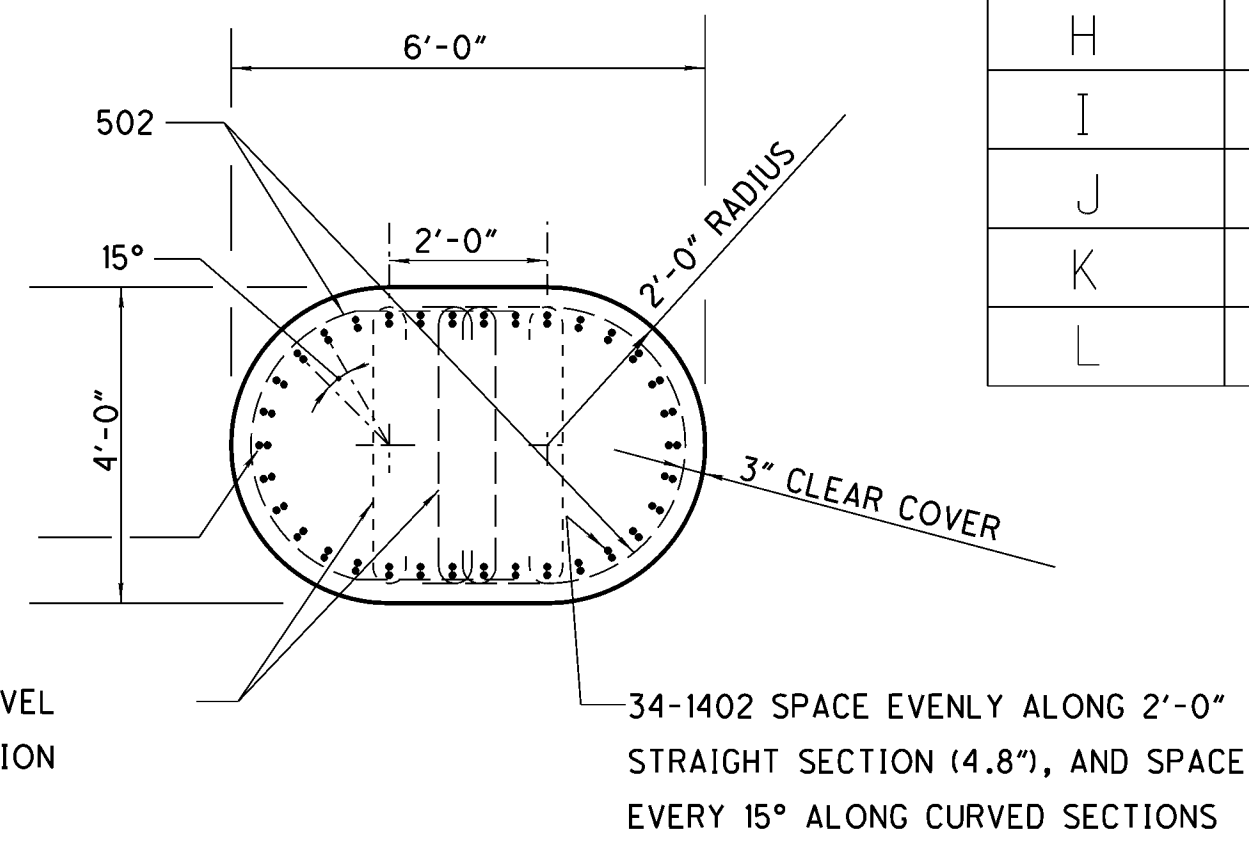
ADD THE PREFIX P7R BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

# PIER 7R

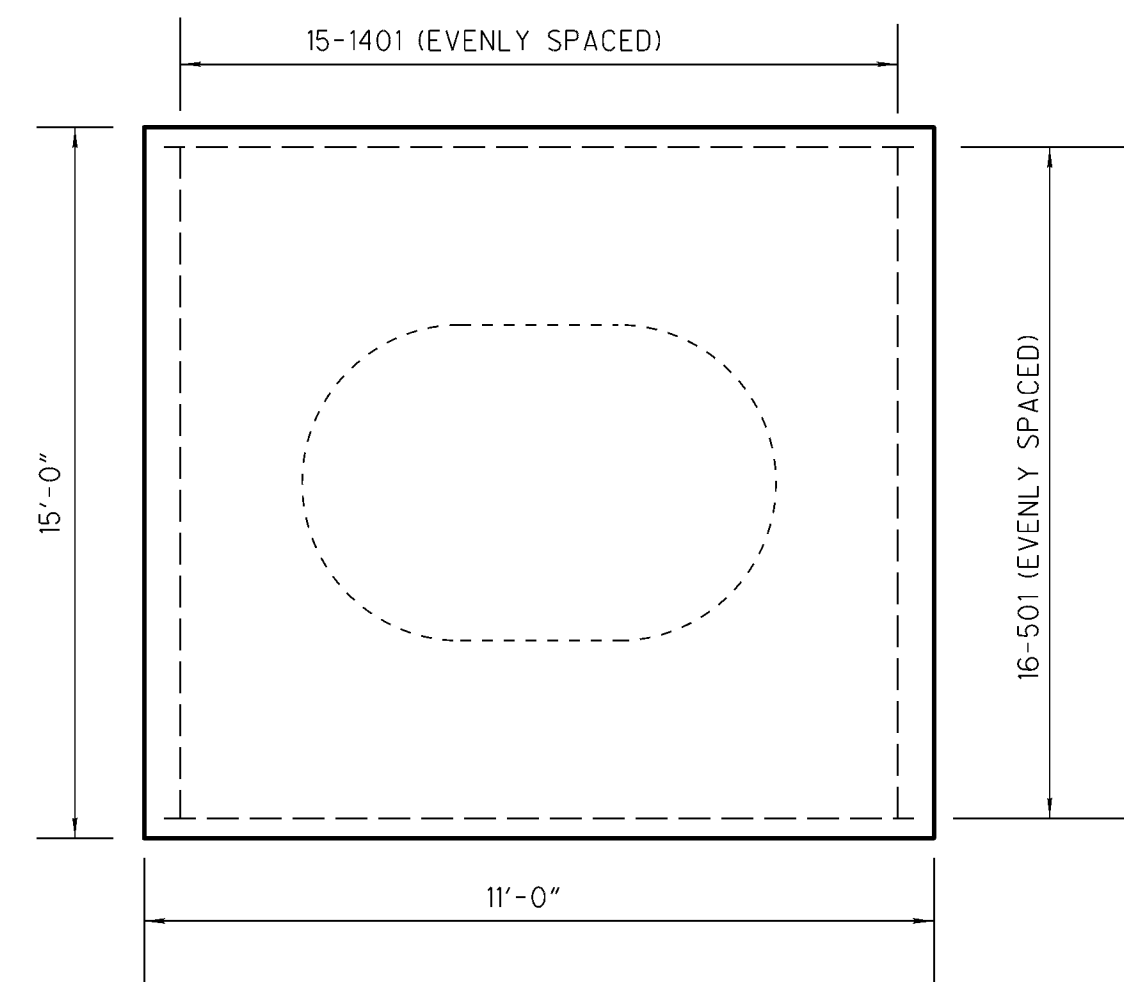
PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P7R	501	16	11'-7 1/4"	7	0'-6"					
P7R	502	134	8'-7"	9	3'-4"	3'-6"				
P7R	503	124	7'-5 1/4"	2	2'-9"	2'-2 3/8"				
P7R	504	4	18'-7"	STR.						
P7R	505	2	15'-11 1/2"	STR.						
P7R	506	2	9'-5 1/2"	STR.						
P7R	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 1/2"			
P7R	508	8	7'-3 1/6"	2	2'-0"	3'-7"				
P7R	509	134	4'-8"	7	3'-6"					
P7R	1003	10	22'-10 1/4"	2	2'-6"	18'-5 3/4"				
P7R	1004	34	37'-11 1/4"	STR.						
P7R	1401	15	19'-0"	7	14'-6"					
P7R	1402	34	24'-1 1/2"	1	2'-6 1/2"	22'-0 1/2"				



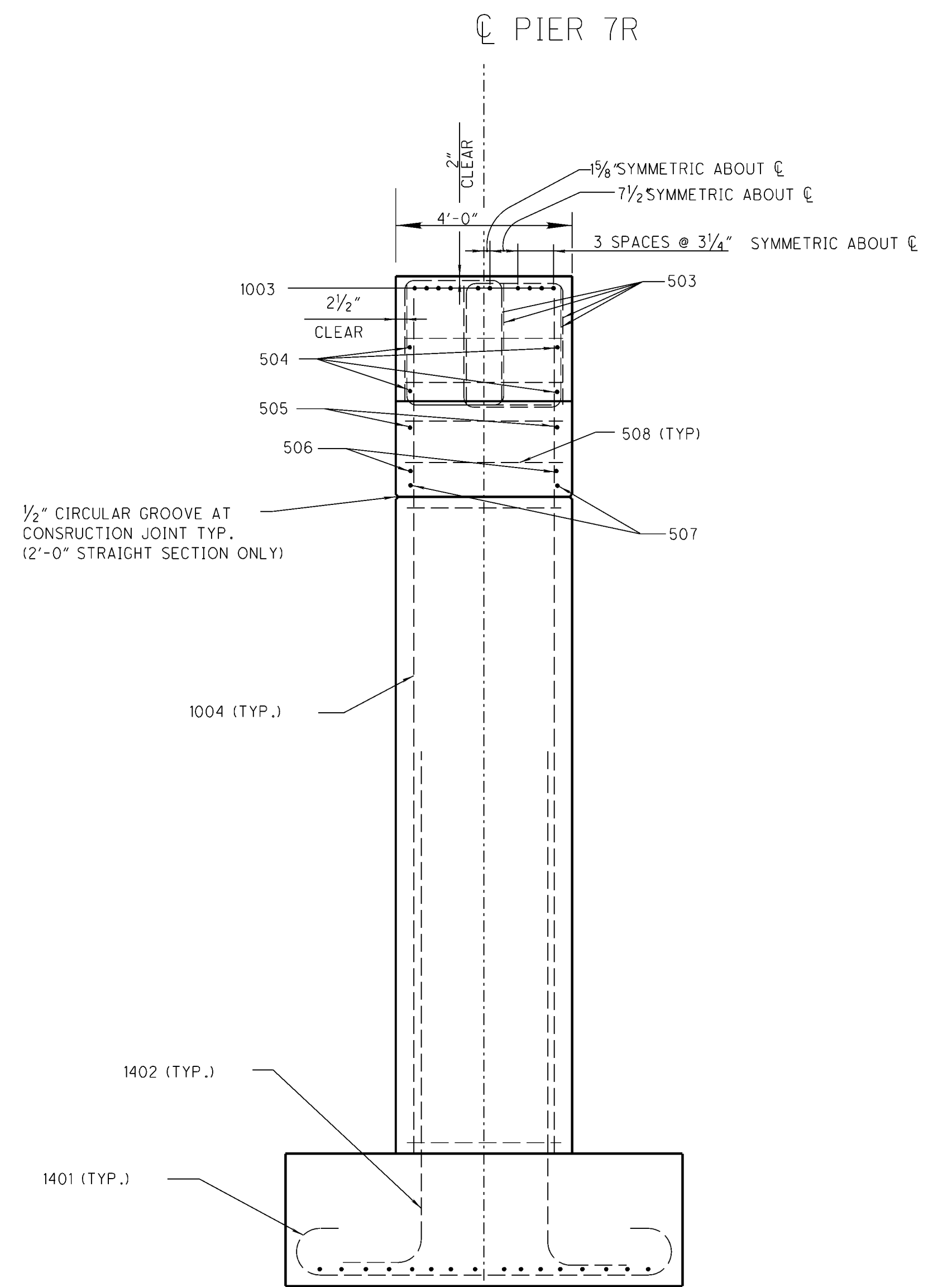
A	939.03
B	938.91
C	938.79
D	935.79
E	933.79
H	896.35
I	900.35
J	19'-0"
K	7'-6"
L	6'-6"



SECTION C-C



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER



SECTION B-B

509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

34-1004 SPACE EVENLY ALONG 2'-0" STRAIGHT SECTION (4.8"), AND SPACE EVERY 15° ALONG CURVED SECTIONS (LAP WITH 1402 BARS)

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

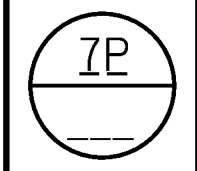
DATE  
REVISION  
STRUCTURE FILE NUMBER  
1810774

DRAWN  
MJM  
CHECKED  
NRC

CHANGE ORDER

PIER 7R DETAIL  
BRIDGE NO. CUY-271-0232R  
I-271 OVER TINKERS CREEK

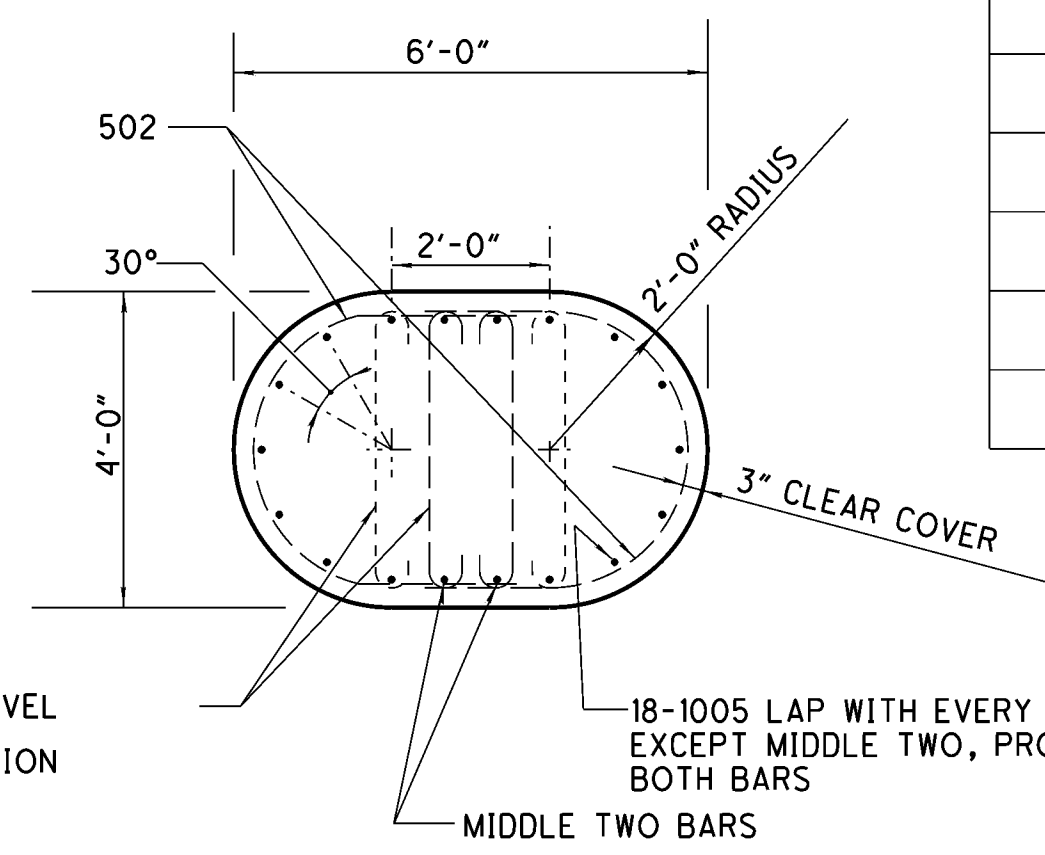
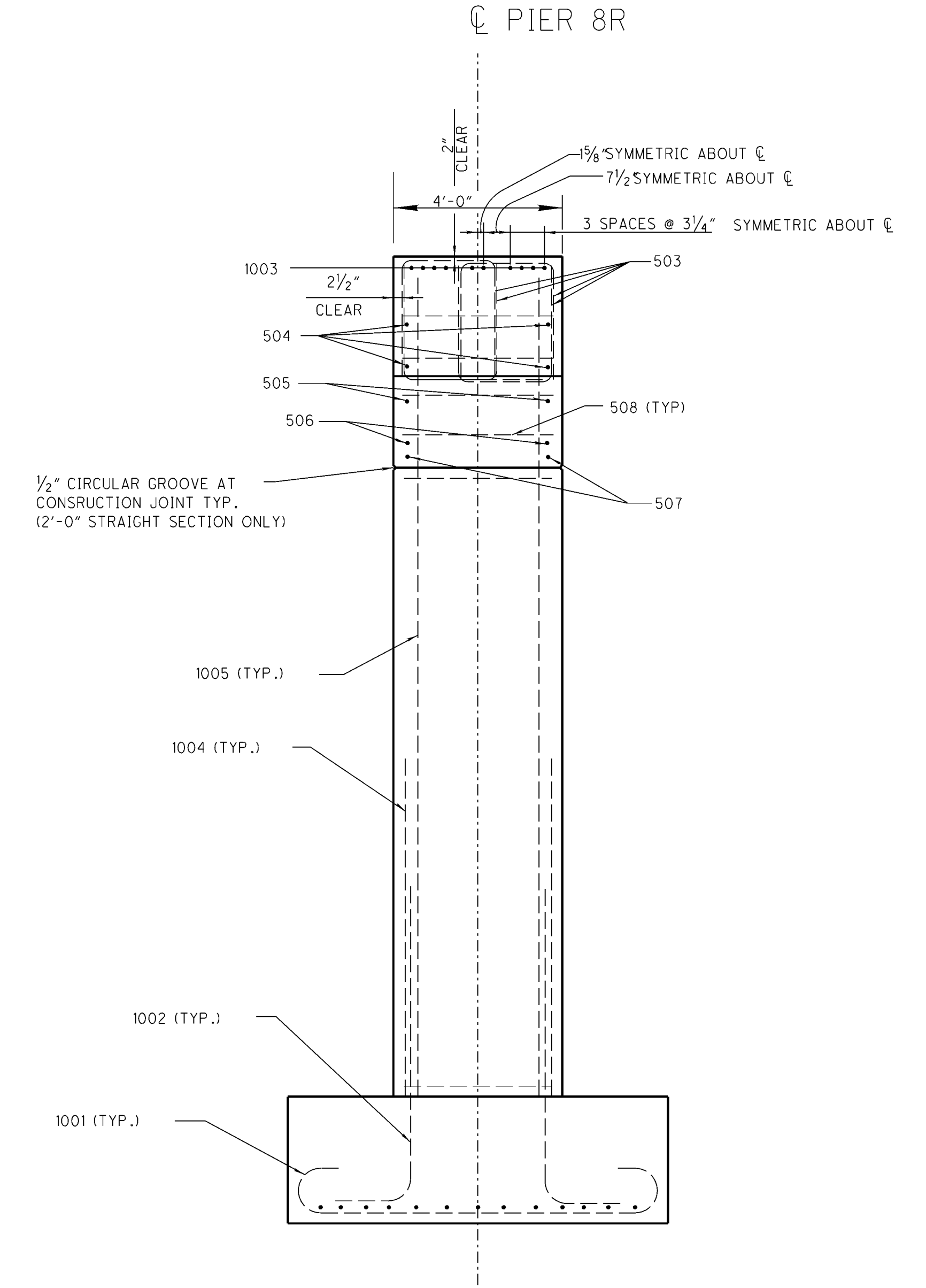
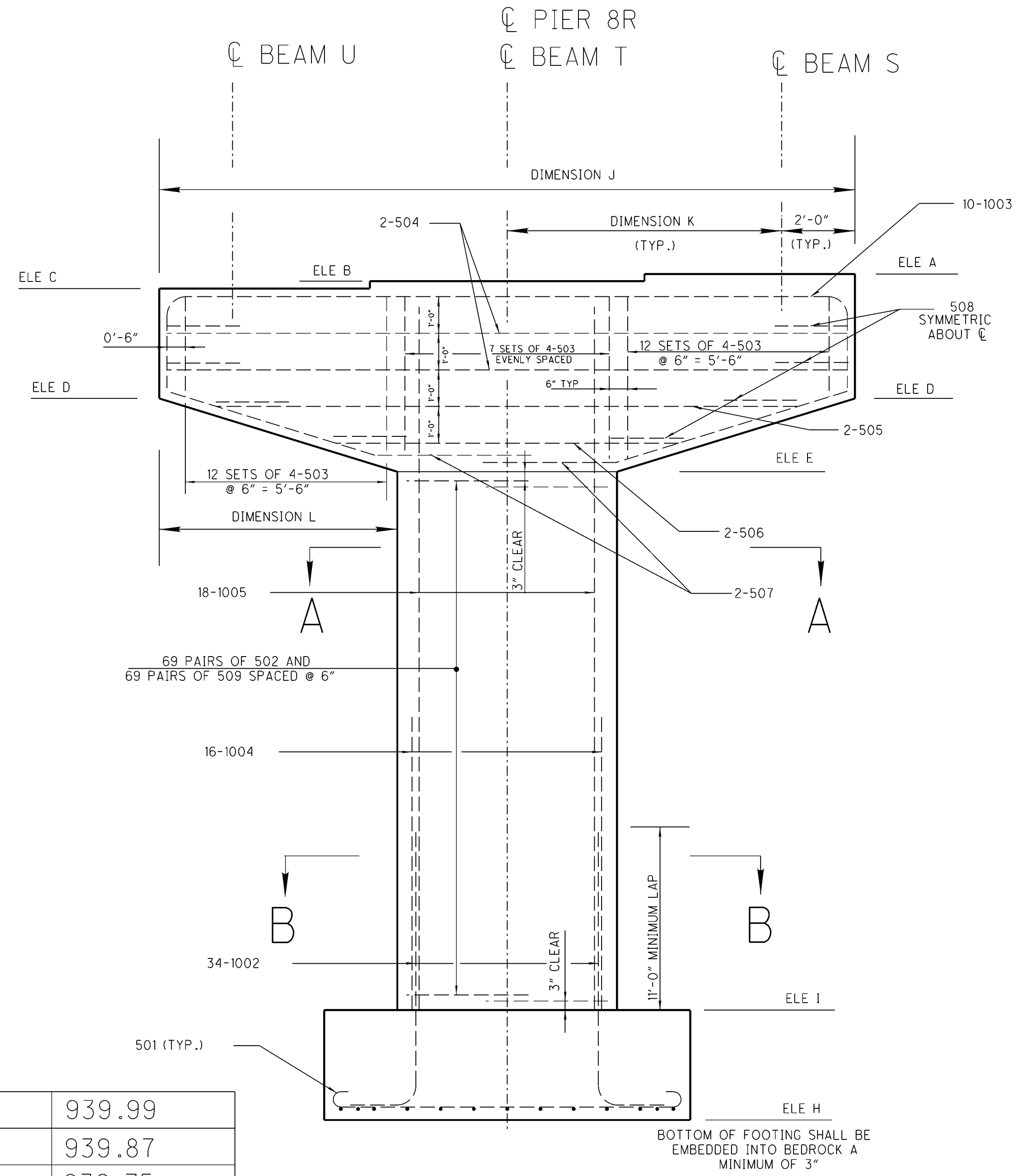
CUY-271-2.32



ADD THE PREFIX P8R BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

# PIER 8R

PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P8R	501	13	10'-7 3/4"	7	9'-6"					
P8R	502	138	8'-7"	9	3'-4"	3'-6"				
P8R	503	124	7'-5 1/4"	2	2'-9"	2'-2 3/8"				
P8R	504	4	18'-7"	STR.						
P8R	505	2	15'-11 1/2"	STR.						
P8R	506	2	9'-5 1/2"	STR.						
P8R	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 1/2"			
P8R	508	8	7'-3 1/6"	2	2'-0"	3'-7"				
P8R	509	138	4'-8"	7	3'-6"					
P8R	1001	13	14'-4"	7	11'-6"					
P8R	1002	34	16'-2 1/2"	1	1'-9 5/8"	14'-8 1/2"				
P8R	1003	10	22'-10 1/4"	2	2'-6"	18'-5 3/4"				
P8R	1004	16	16'-11 1/2"	STR.						
P8R	1005	18	38'-9 1/2"	STR.						

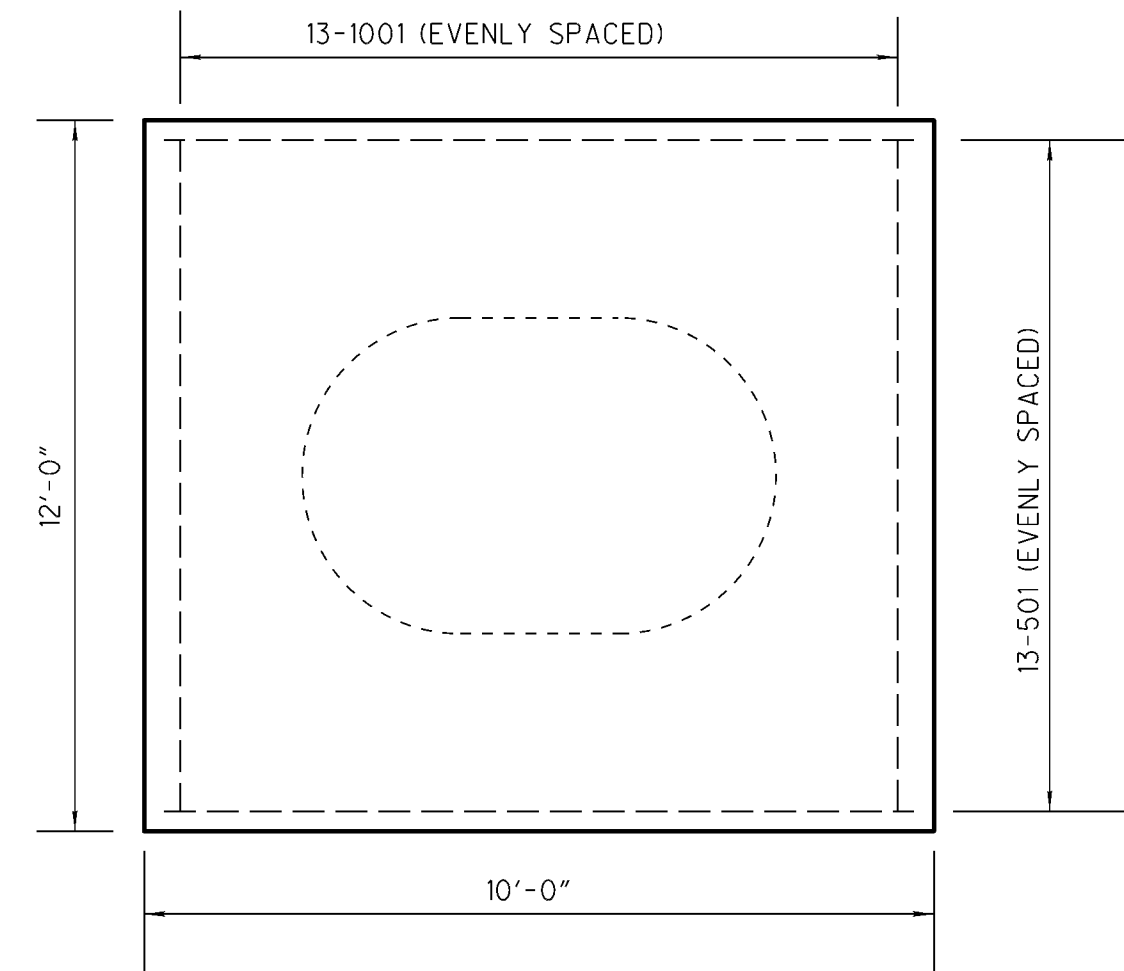


509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

18-1005 LAP WITH EVERY OTHER 1002 EXCEPT MIDDLE TWO, PROVIDE LAP FOR BOTH BARS  
MIDDLE TWO BARS

SECTION A-A

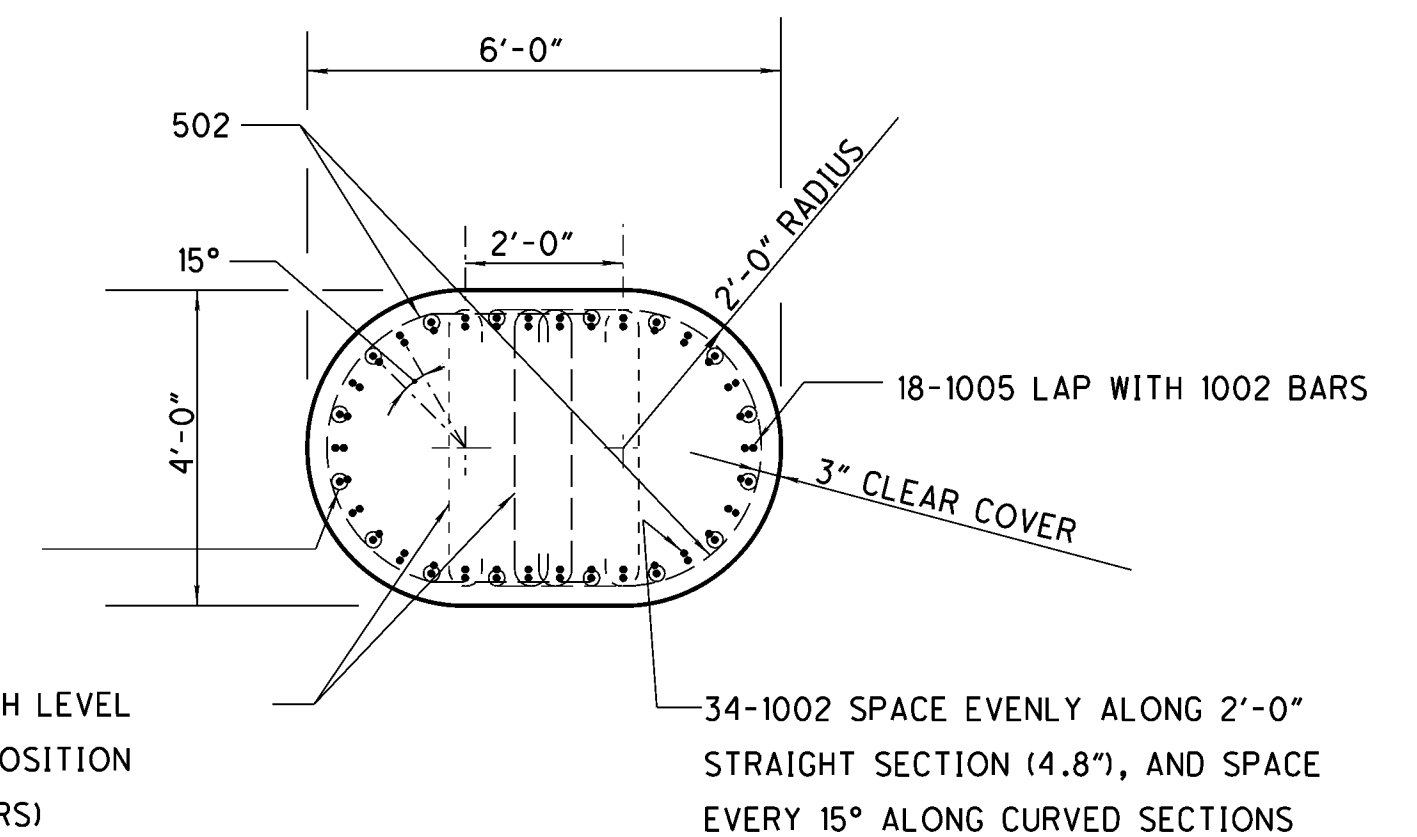
A	939.99
B	939.87
C	939.75
D	936.75
E	934.75
H	896.45
I	900.45
J	19'-0"
K	7'-6"
L	6'-6"



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER

16-1004 LAP WITH 1002 BARS

509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)



SECTION B-B

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

DATE  
REVIEWED  
STRUCTURE FILE NUMBER  
1810774

DRAWN  
MJM  
REVISIONS  
CHECKED  
NRC

CHANGE ORDER

PIER 8R DETAIL  
BRIDGE NO. CUY-271-0232R  
I-271 OVER TINKERS CREEK

CUY-271-2.32

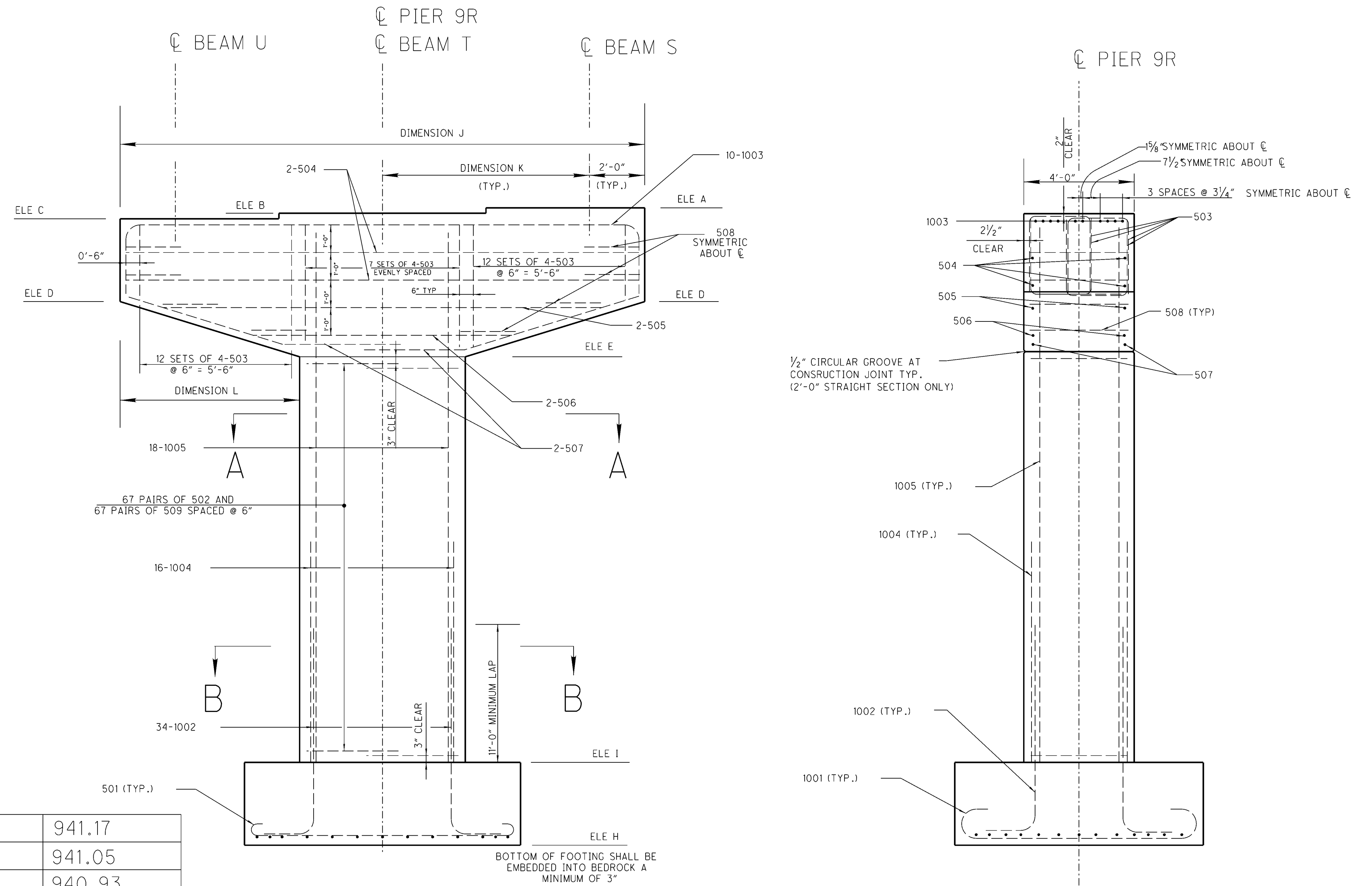
8P



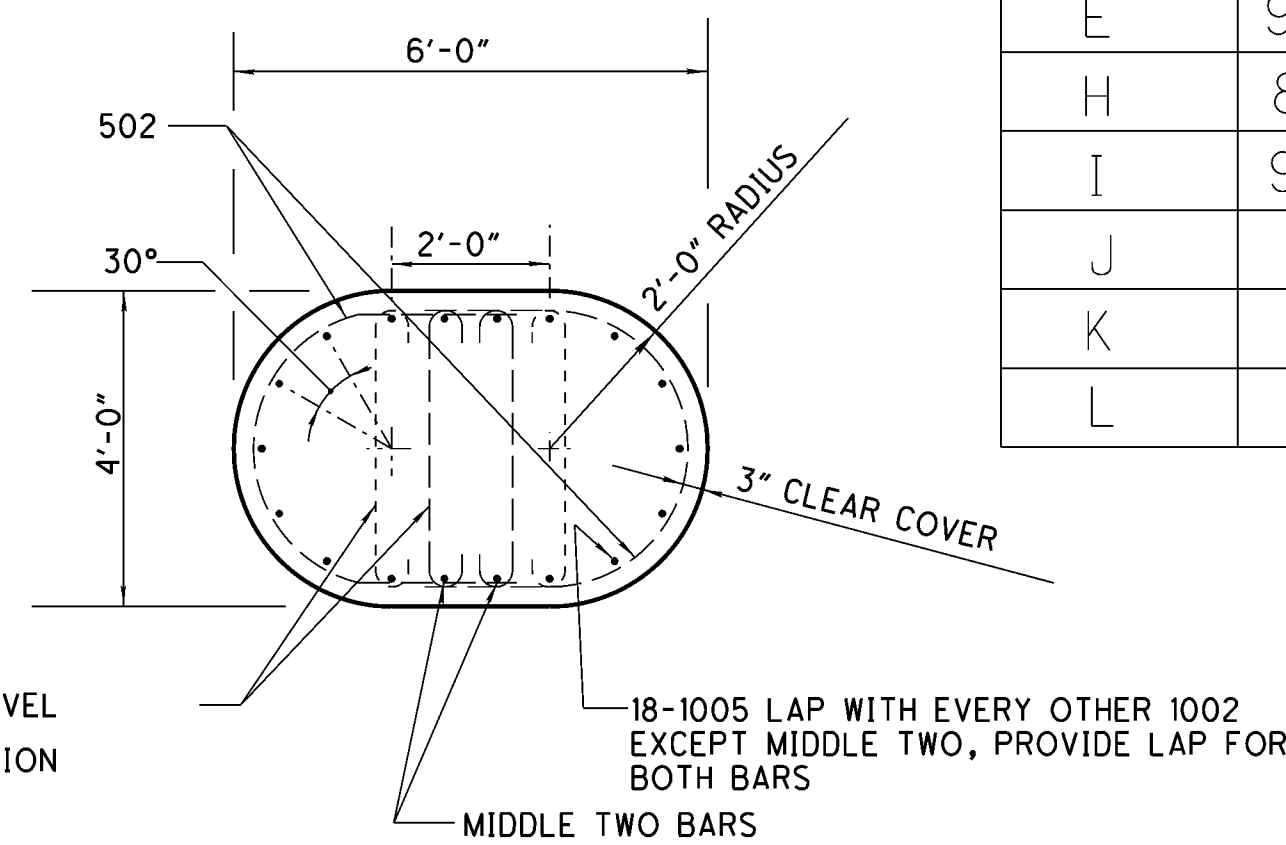
ADD THE PREFIX P9R BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

# PIER 9R

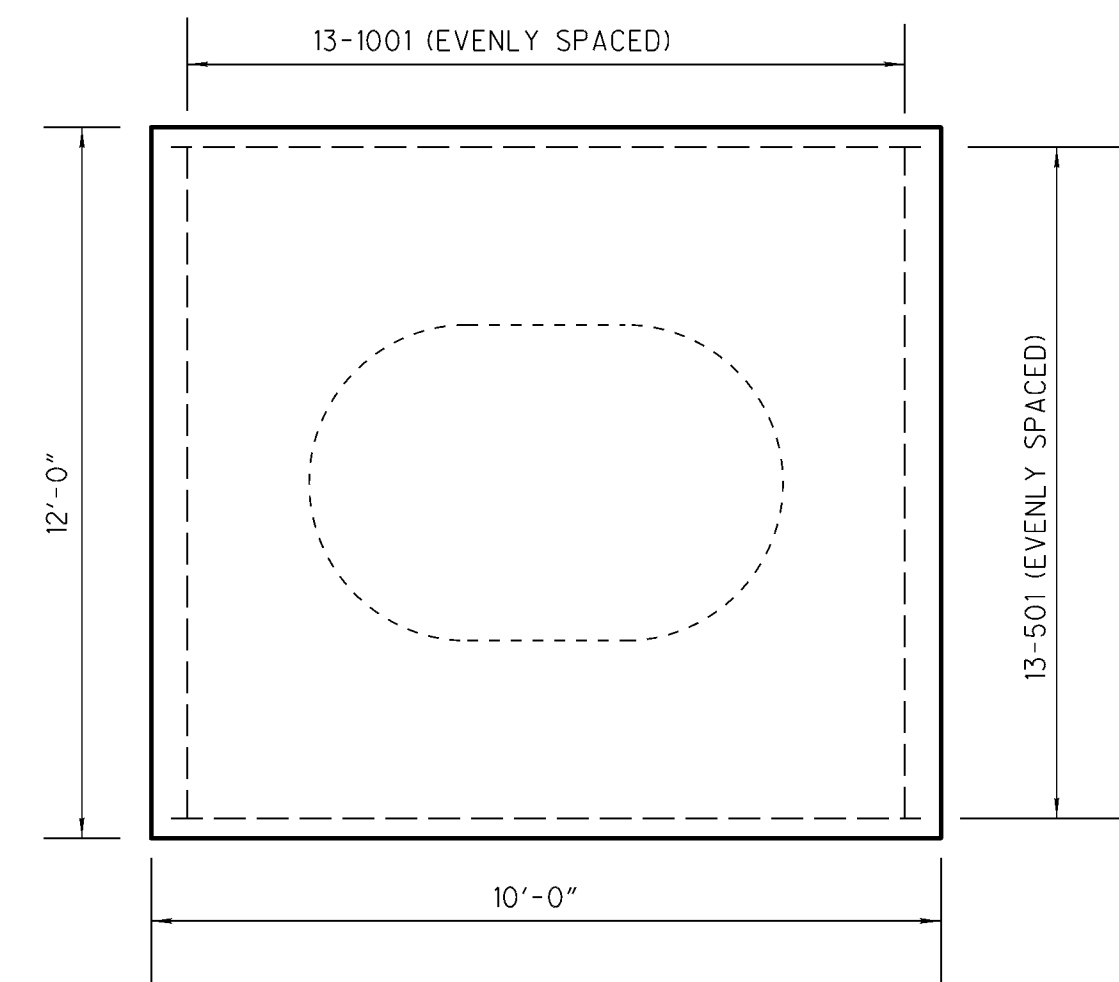
PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P9R	501	13	10'-7 $\frac{3}{4}$ "	7	9'-6"					
P9R	502	134	8'-7"	9	3'-4"	3'-6"				
P9R	503	124	7'-5 $\frac{1}{4}$ "	2	2'-9"	2'-2 $\frac{3}{8}$ "				
P9R	504	4	18'-7"	STR.						
P9R	505	2	15'-11 $\frac{1}{2}$ "	STR.						
P9R	506	2	9'-5 $\frac{1}{2}$ "	STR.						
P9R	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 $\frac{1}{2}$ "			
P9R	508	8	7'-3 $\frac{1}{8}$ "	2	2'-0"	3'-7"				
P9R	509	134	4'-8"	7	3'-6"					
P9R	1001	13	14'-4"	7	11'-6"					
P9R	1002	34	16'-2 $\frac{1}{2}$ "	1	1'-9 $\frac{5}{8}$ "	14'-8 $\frac{1}{2}$ "				
P9R	1003	10	22'-10 $\frac{1}{4}$ "	2	2'-6"	18'-5 $\frac{3}{4}$ "				
P9R	1004	16	16'-0"	STR.						
P9R	1005	18	37'-11 $\frac{3}{4}$ "	STR.						



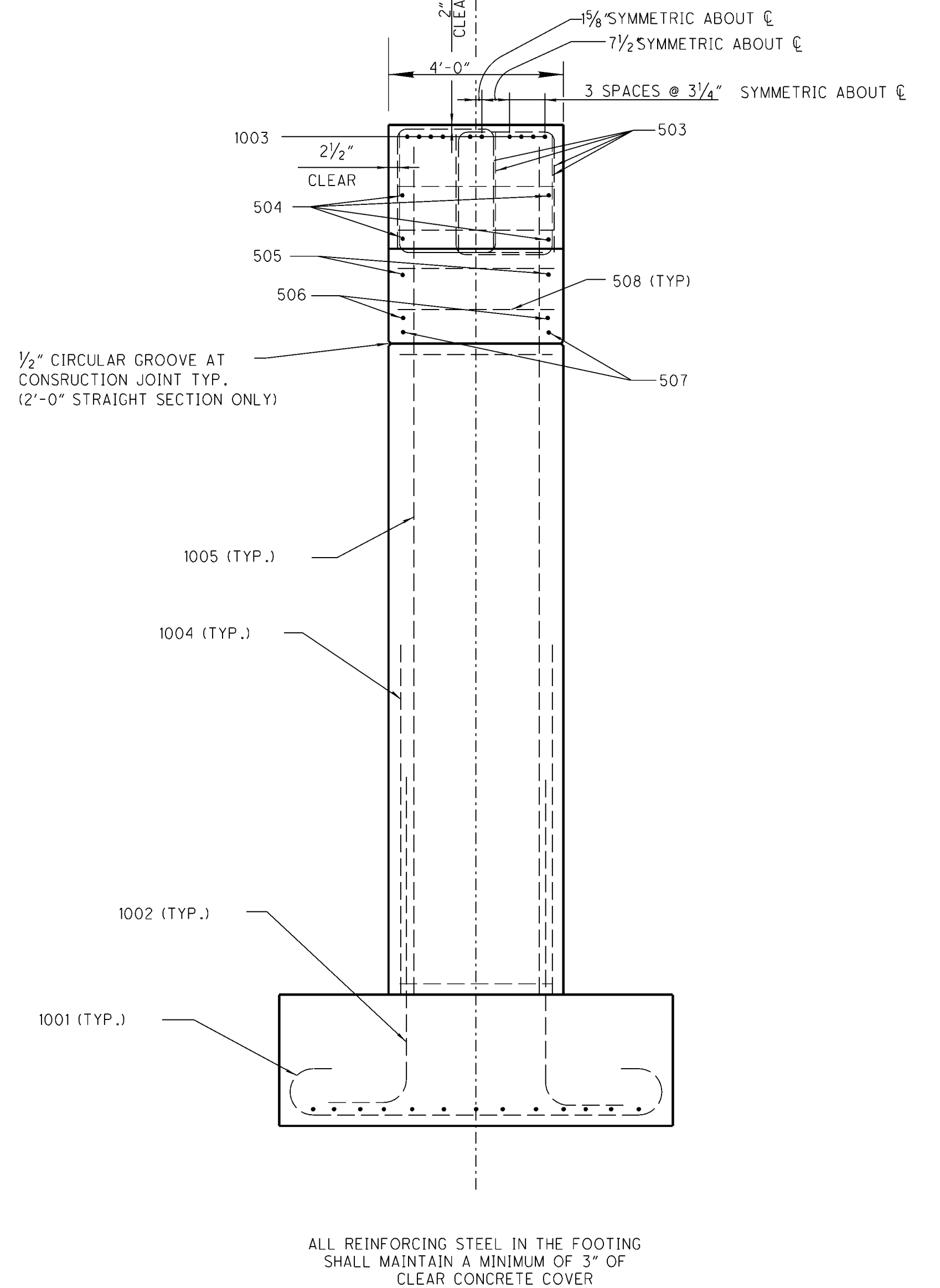
A	941.17
B	941.05
C	940.93
D	937.93
E	935.93
H	898.45
I	902.45
J	19'-0"
K	7'-6"
L	6'-6"



SECTION A-A



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER



SECTION B-B

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

DATE  
REVIEWED  
STRUCTURE FILE NUMBER  
1810774

DRAWN  
MJM  
CHECKED  
NRC

CHANGE ORDER

PIER 9R DETAIL  
BRIDGE NO. CUY-271-0232R  
I-271 OVER TINKERS CREEK

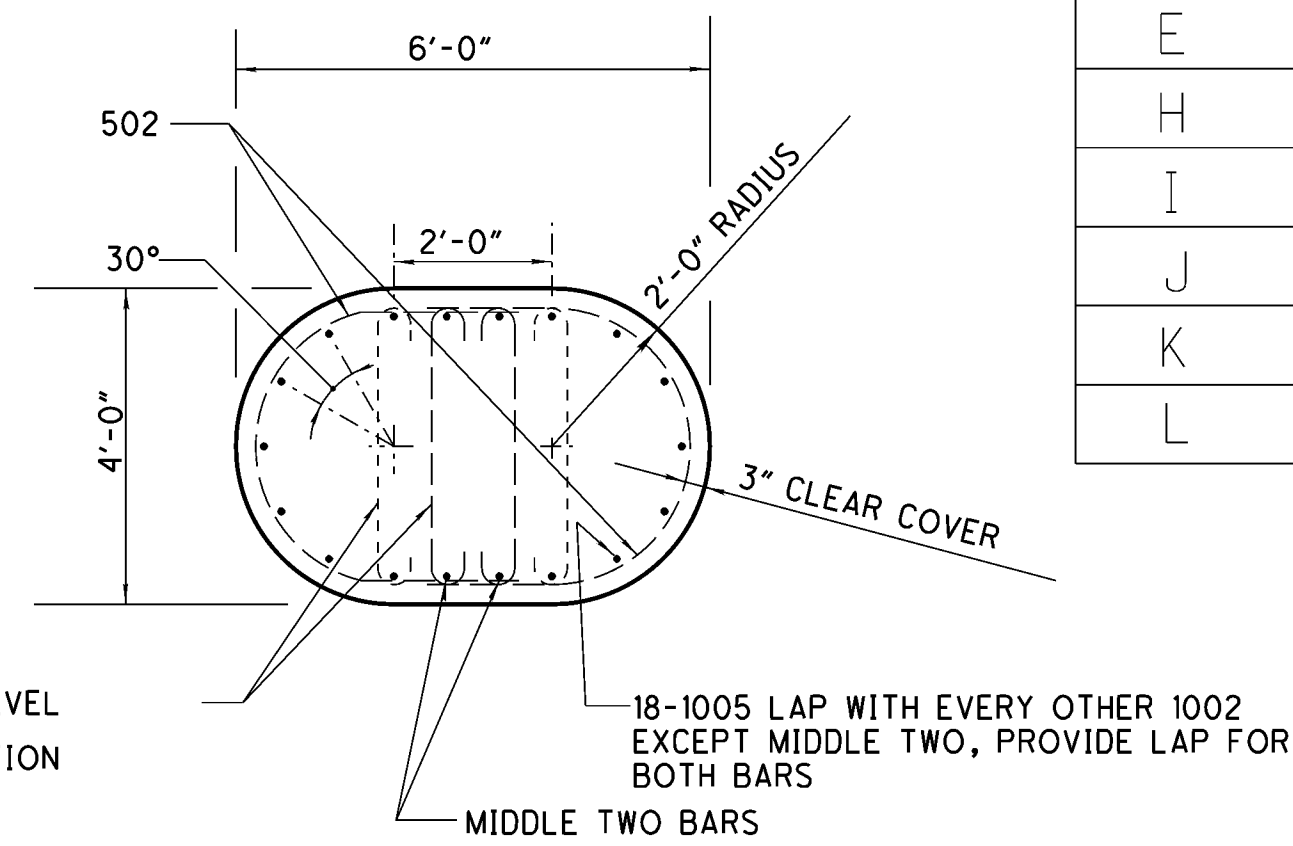
CUY-271-2.32

9P

ADD THE PREFIX P10R BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

# PIER 10R

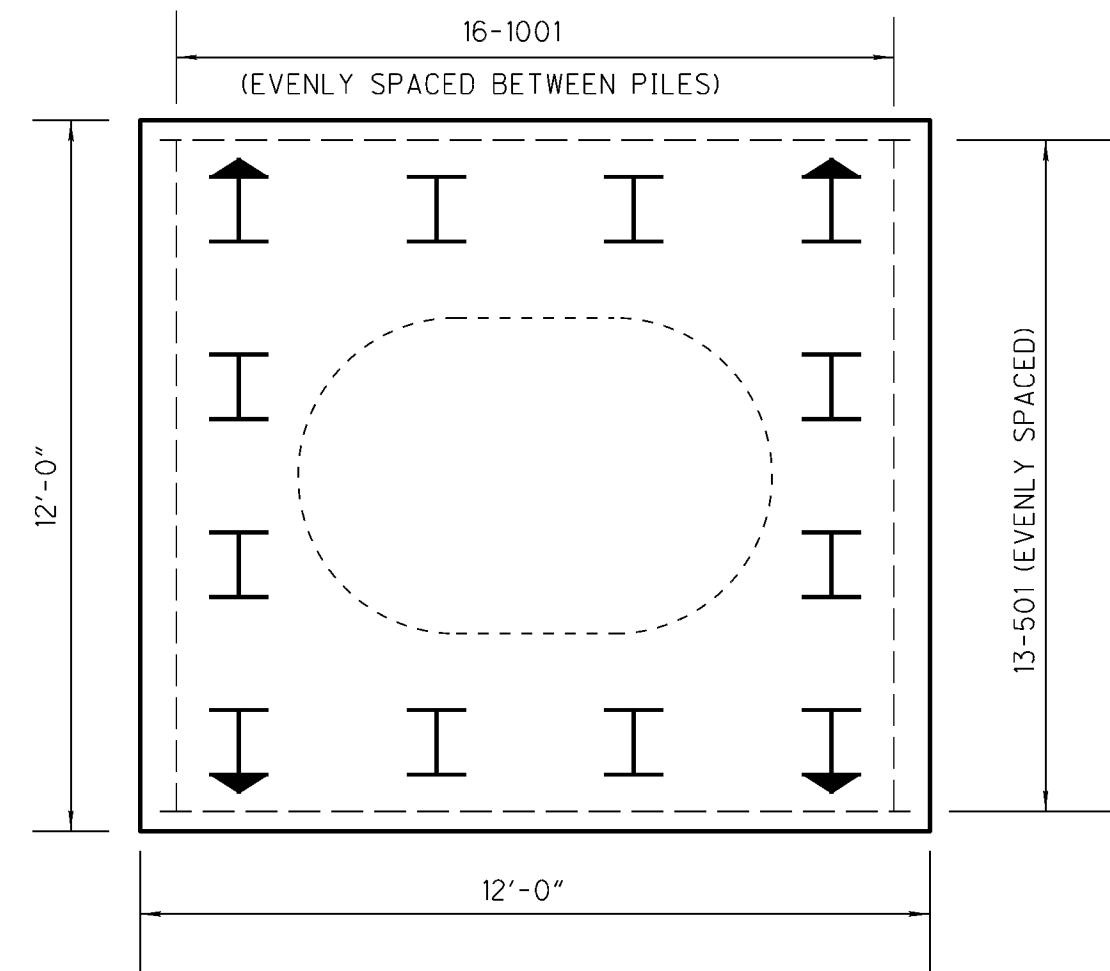
PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P10R	501	13	12'-8"	7	11'-6"					
P10R	502	106	8'-7"	9	3'-4"	3'-6"				
P10R	503	124	7'-5 1/4"	2	2'-9"	2'-2 3/8"				
P10R	504	4	18'-7"	STR.						
P10R	505	2	15'-11 1/2"	STR.						
P10R	506	2	9'-5 1/2"	STR.						
P10R	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 1/2"			
P10R	508	8	7'-3 3/8"	2	2'-0"	3'-7"				
P10R	509	106	4'-8"	7	3'-6"					
P10R	1001	16	14'-4"	7	11'-6"					
P10R	1002	34	16'-2 1/2"	1	1'-9 5/8"	14'-8 1/2"				
P10R	1003	10	22'-10 1/4"	2	2'-6"	18'-5 3/4"				
P10R	1004	18	31'-2 1/4"	STR.						



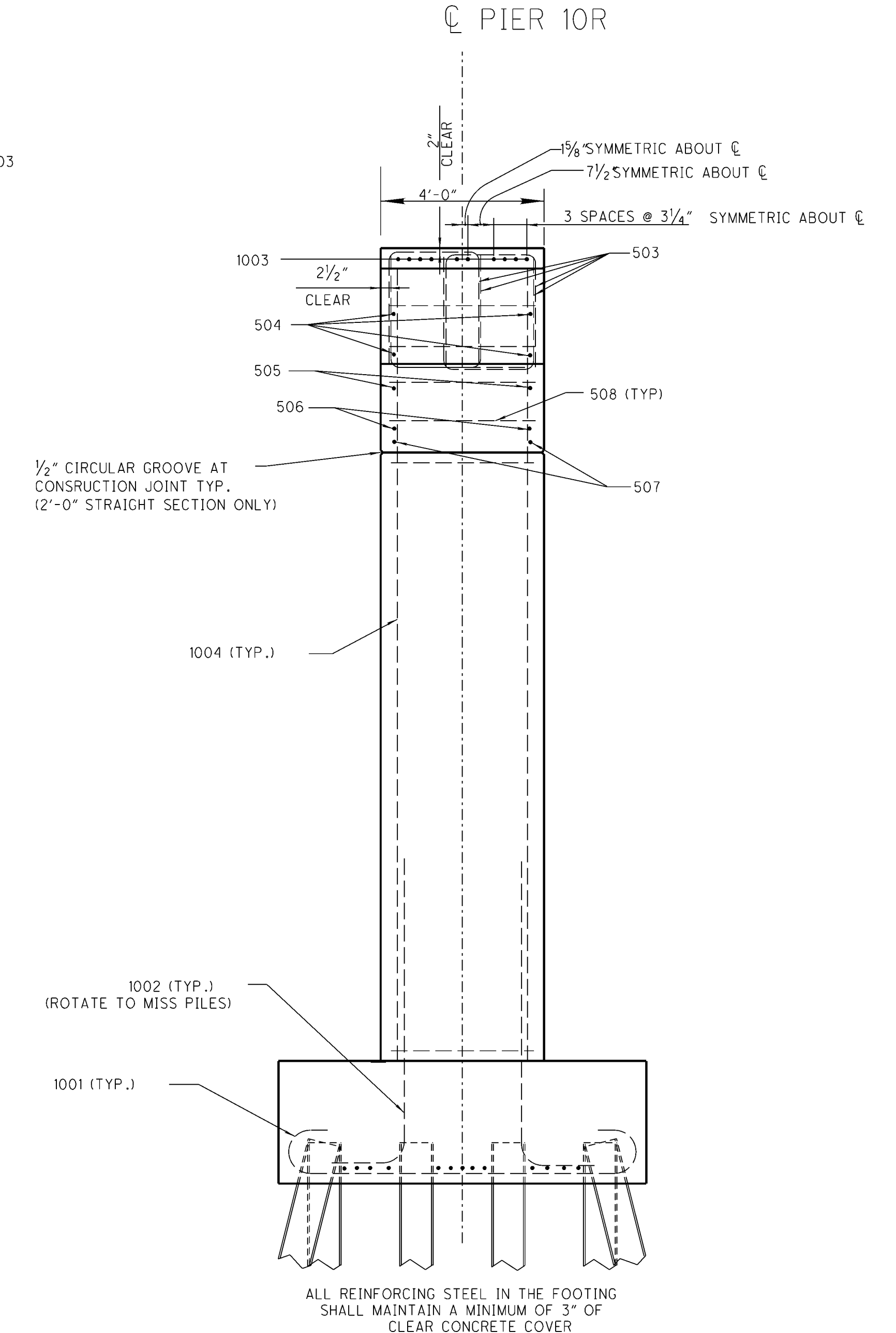
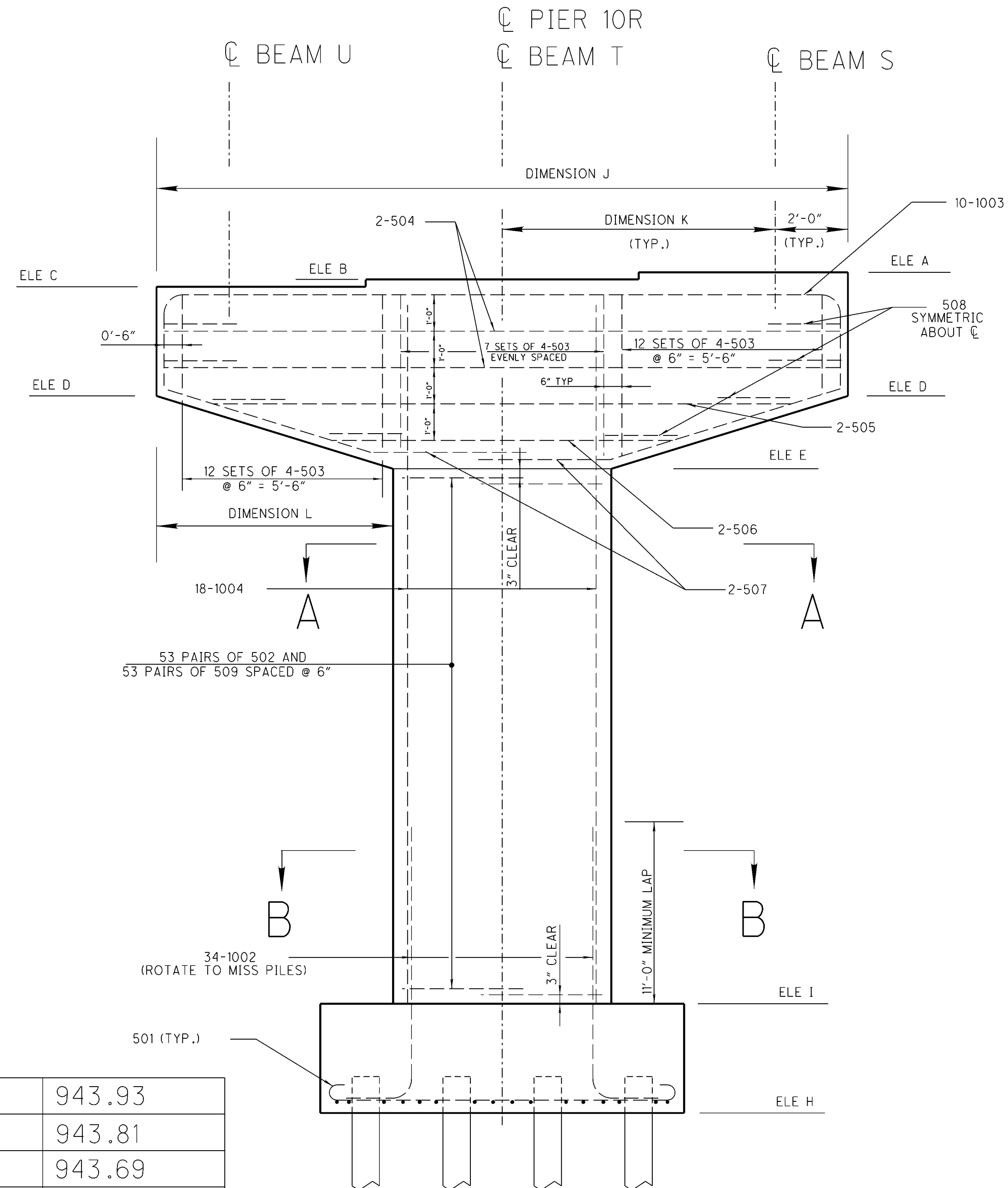
509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

SECTION A-A

A	943.93
B	943.81
C	943.69
D	940.69
E	938.69
H	908.00
I	912.00
J	19'-0"
K	7'-6"
L	6'-6"



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER



509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

SECTION B-B

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

DATE  
REVIEWED  
STRUCTURE FILE NUMBER  
1810774

DRAWN  
MJM  
CHECKED  
NRC

CHANGE ORDER

PIER 10R DETAIL  
BRIDGE NO. CUY-271-0232R  
I-271 OVER TINKERS CREEK

CUY-271-2.32

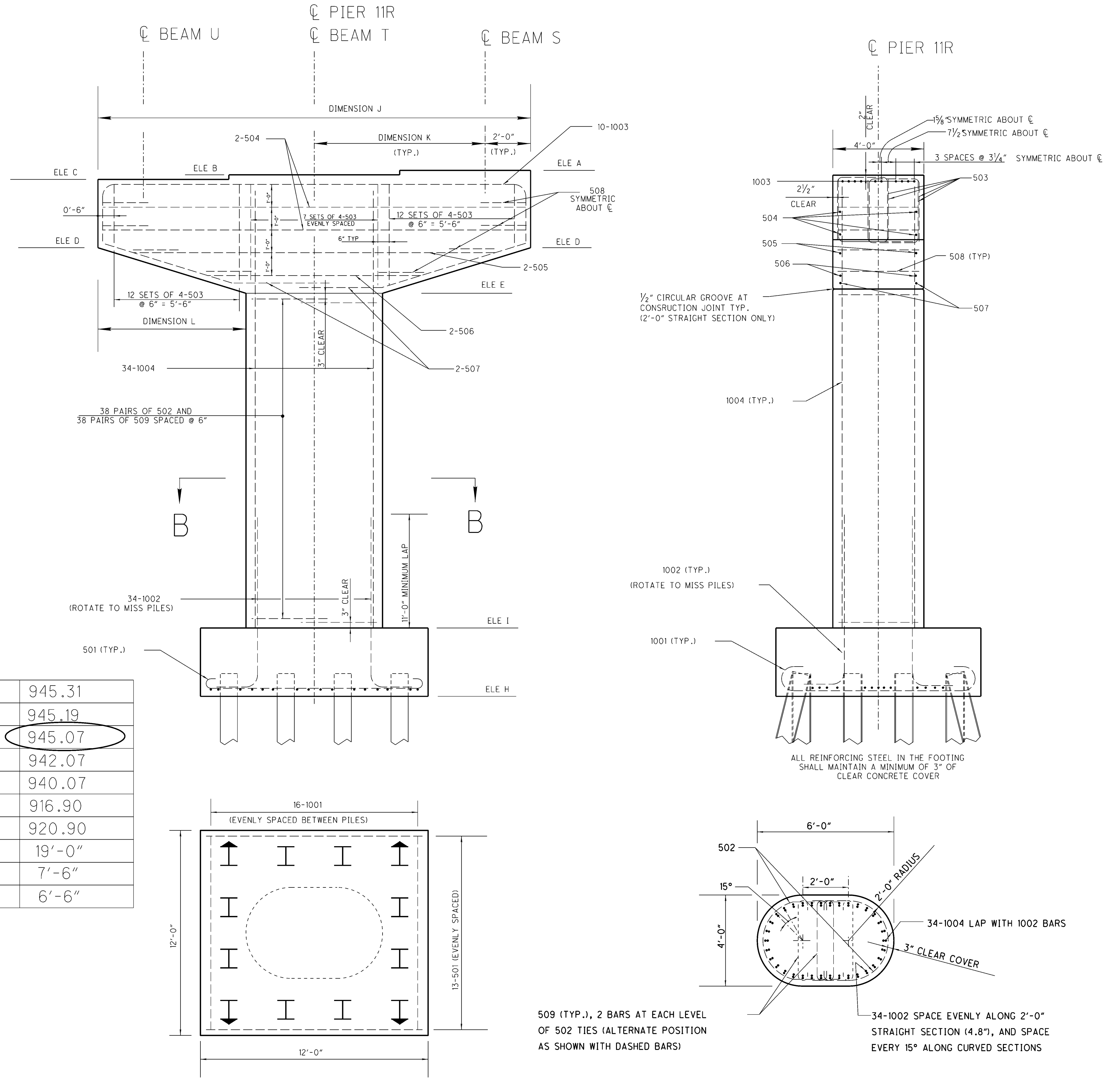
10P

ADD THE PREFIX P11R BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

# PIER 11R

PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P11R	501	13	12'-8"	7	11'-6"					
P11R	502	76	8'-7"	9	3'-4"	3'-6"				
P11R	503	124	7'-5 1/4"	2	2'-9"	2'-2 3/8"				
P11R	504	4	18'-7"	STR.						
P11R	505	2	15'-11 1/2"	STR.						
P11R	506	2	9'-5 1/2"	STR.						
P11R	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 1/2"			
P11R	508	8	7'-3 3/8"	2	2'-0"	3'-7"				
P11R	509	76	4'-8"	7	3'-6"					
P11R	1001	16	14'-4"	7	11'-6"					
P11R	1002	34	16'-2 1/2"	1	1'-9 5/8"	14'-8 1/2"				
P11R	1003	10	22'-10 1/4"	2	2'-6"	18'-5 3/4"				
P11R	1004	34	23'-8"	STR.						

A	945.31
B	945.19
C	945.07
D	942.07
E	940.07
H	916.90
I	920.90
J	19'-0"
K	7'-6"
L	6'-6"



SECTION B-B

DESIGN AGENCY: ODOT  
DISTRICT: 12  
PRODUCTION

DATE: 1810774

REVIEWED: MJM  
STRUCTURE FILE NUMBER: 1810774

DRAWN: MJM  
REVISED: NRC

DESIGNED: MJM  
CHECKED: NRC

CHANGE ORDER

PIER 11R DETAIL  
BRIDGE NO. CUY-271-0232R  
I-271 OVER TINKERS CREEK

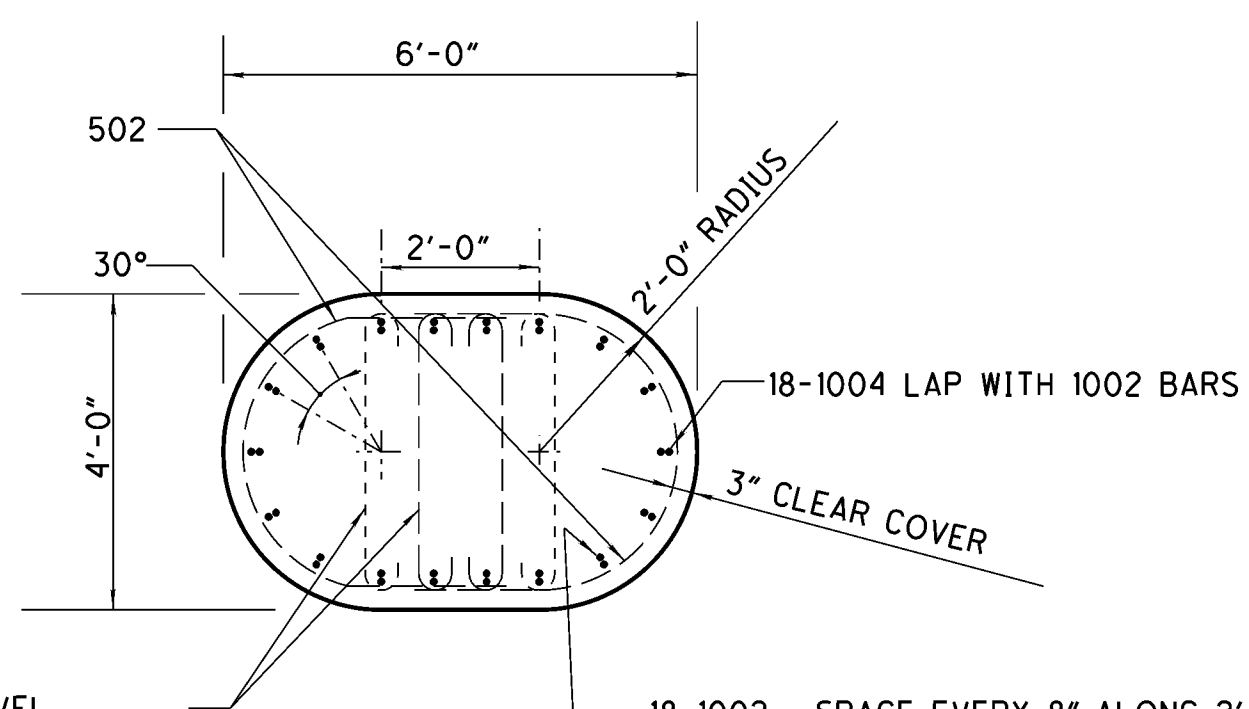
CUY-271-2.32

11E

ADD THE PREFIX P12R BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

### PIER 12R

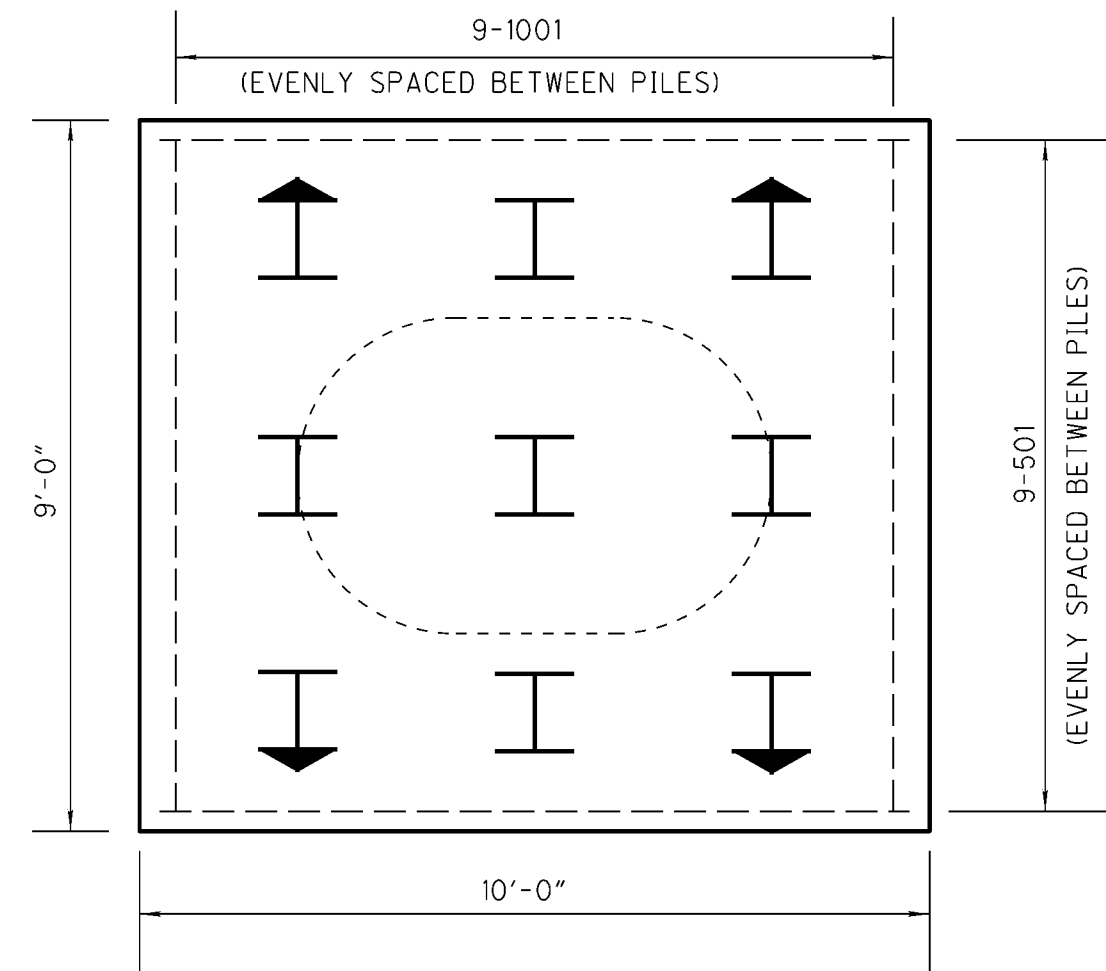
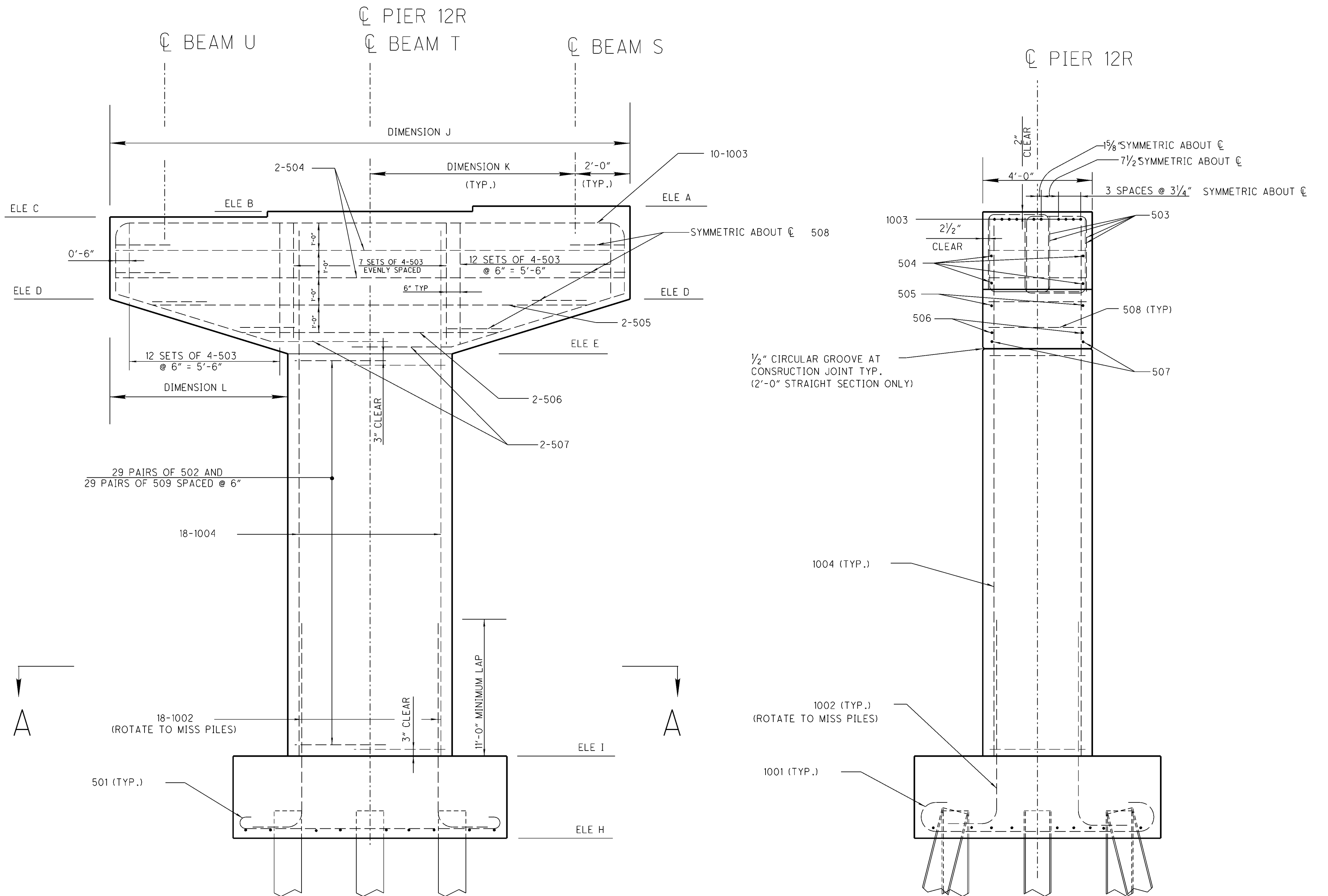
PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P12R	501	9	10'-7 <sup>3</sup> / <sub>4</sub> "	7	9'-6"					
P12R	502	58	8'-7"	9	3'-4"	3'-6"				
P12R	503	124	7'-5 <sup>1</sup> / <sub>4</sub> "	2	2'-9"	2'-2 <sup>3</sup> / <sub>8</sub> "				
P12R	504	4	19'-0 <sup>5</sup> / <sub>16</sub> "	STR.						
P12R	505	2	16'-5 <sup>3</sup> / <sub>16</sub> "	STR.						
P12R	506	2	9'-11 <sup>1</sup> / <sub>16</sub> "	STR.						
P12R	507	4	10'-5 <sup>1</sup> / <sub>2</sub> "	36	3'-8"	6'-9 <sup>1</sup> / <sub>2</sub> "	6'-6 <sup>1</sup> / <sub>8</sub> "			
P12R	508	8	7'-3 <sup>3</sup> / <sub>8</sub> "	2	2'-0"	3'-7"				
P12R	509	58	4'-8"	7	3'-6"					
P12R	1001	9	11'-4"	7	8'-6"					
P12R	1002	18	16'-2 <sup>1</sup> / <sub>2</sub> "	1	7'-9 <sup>5</sup> / <sub>8</sub> "	14'-8 <sup>1</sup> / <sub>2</sub> "				
P12R	1003	10	23'-3 <sup>3</sup> / <sub>4</sub> "	2	2'-6"	18'-11 <sup>1</sup> / <sub>4</sub> "				
P12R	1004	18	19'-1 <sup>3</sup> / <sub>4</sub> "	STR.						



509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

18-1002, SPACE EVERY 8" ALONG 2'-0" STRAIGHT SECTION, AND SPACE EVERY 30° ALONG CURVED SECTIONS

### SECTION A-A

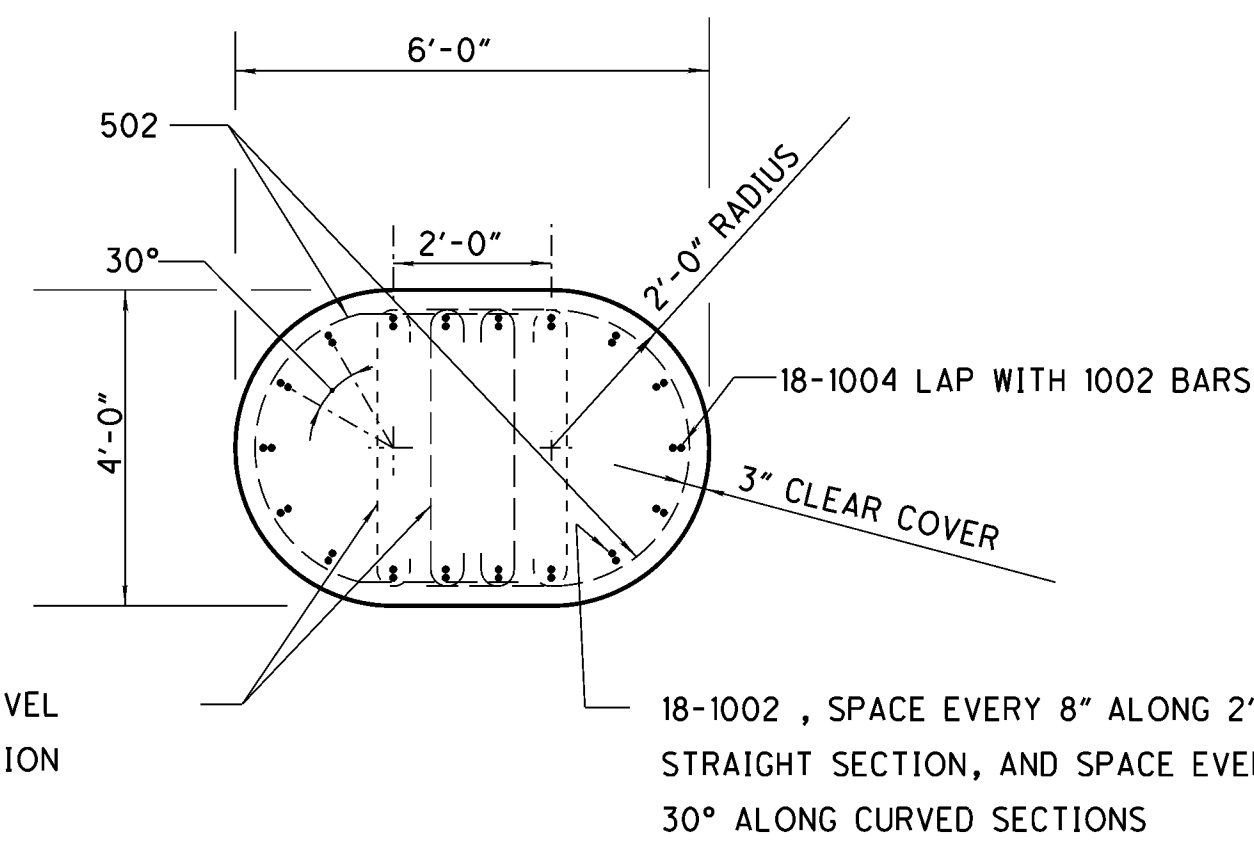


A	946.77
B	946.61
C	946.45
D	943.45
E	941.45
H	923.80
I	926.80
J	19'-5 <sup>15</sup> / <sub>16</sub> "
K	7'-8 <sup>5</sup> / <sub>8</sub> "
L	6'-8 <sup>5</sup> / <sub>8</sub> "

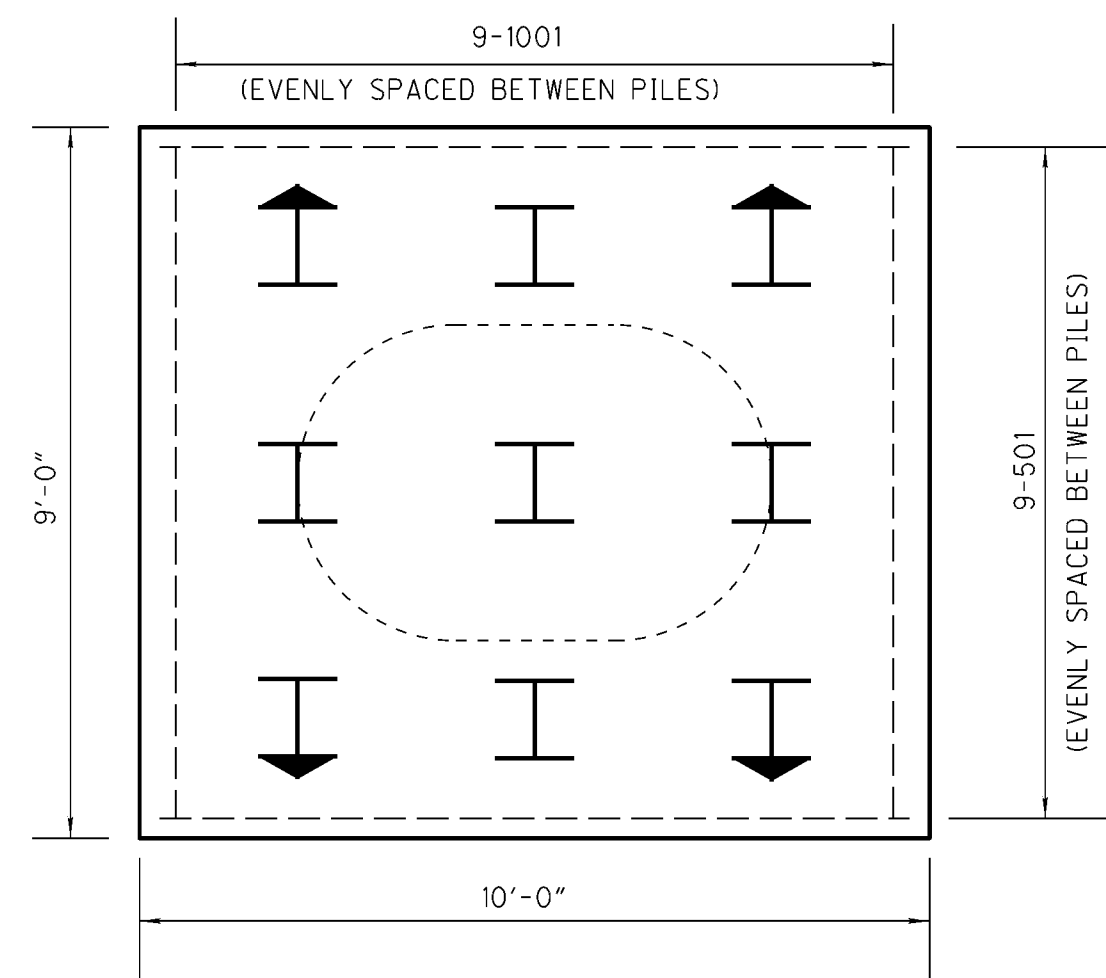
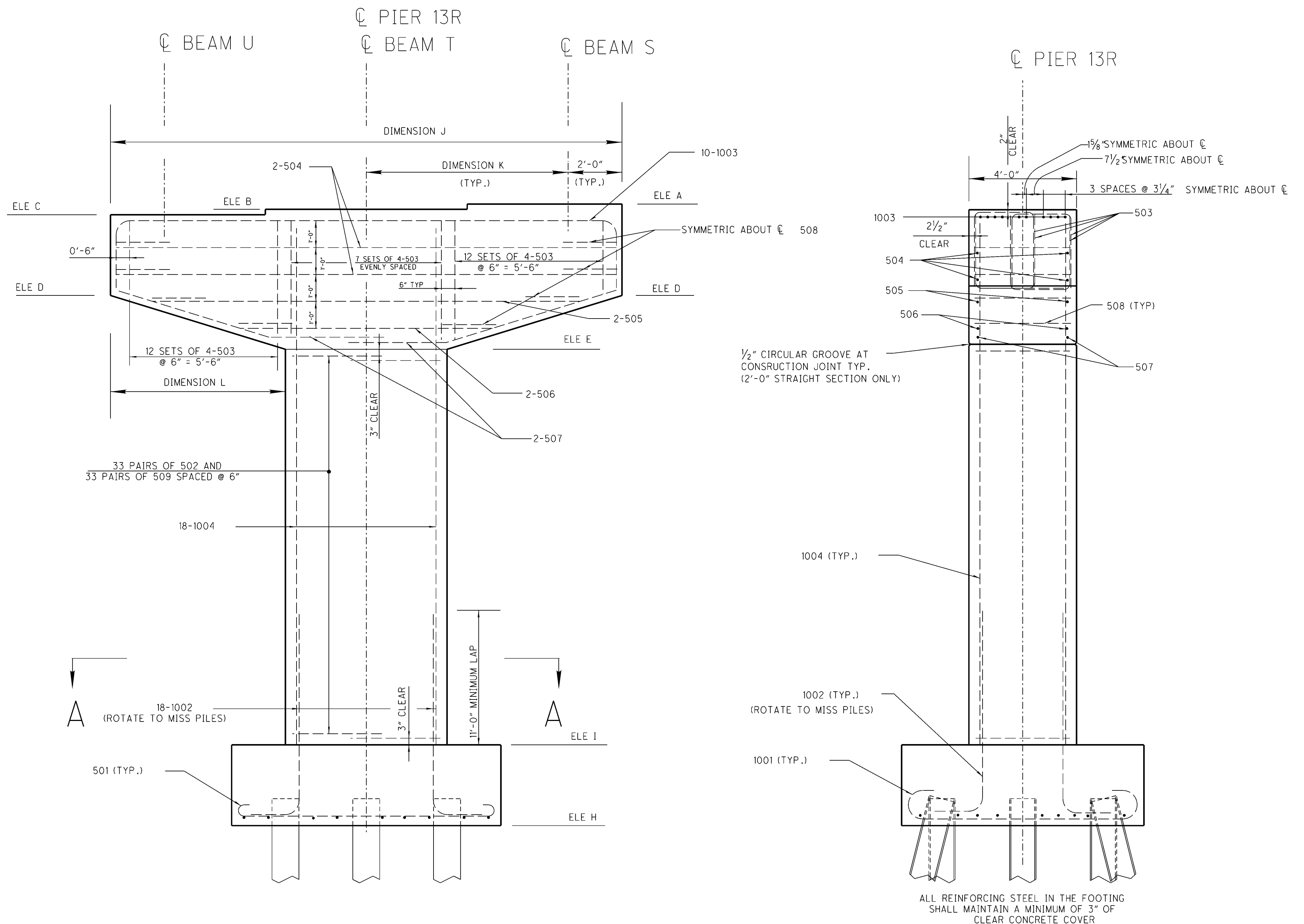
ADD THE PREFIX P13R BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

# PIER 13R

PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P13R	501	9	10'-7 <sup>3</sup> / <sub>4</sub> "	7	9'-6"					
P13R	502	66	8'-7"	9	3'-4"	3'-6"				
P13R	503	124	7'-5 <sup>1</sup> / <sub>4</sub> "	2	2'-9"	2'-2 <sup>3</sup> / <sub>8</sub> "				
P13R	504	4	19'-0 <sup>5</sup> / <sub>16</sub> "	STR.						
P13R	505	2	16'-5 <sup>3</sup> / <sub>16</sub> "	STR.						
P13R	506	2	9'-11 <sup>1</sup> / <sub>16</sub> "	STR.						
P13R	507	4	10'-5 <sup>1</sup> / <sub>2</sub> "	36	3'-8"	6'-9 <sup>1</sup> / <sub>2</sub> "	6'-6 <sup>1</sup> / <sub>8</sub> "			
P13R	508	8	7'-3 <sup>3</sup> / <sub>8</sub> "	2	2'-0"	3'-7"				
P13R	509	66	4'-8"	7	3'-6"					
P13R	1001	9	11'-4"	7	8'-6"					
P13R	1002	18	16'-2 <sup>1</sup> / <sub>2</sub> "	1	7'-9 <sup>5</sup> / <sub>8</sub> "	14'-8 <sup>1</sup> / <sub>2</sub> "				
P13R	1003	10	23'-3 <sup>3</sup> / <sub>4</sub> "	2	2'-6"	18'-11 <sup>1</sup> / <sub>4</sub> "				
P13R	1004	18	20'-10 <sup>3</sup> / <sub>4</sub> "	STR.						



## SECTION A-A



A	948.29
B	948.24
C	948.19
D	945.19
E	943.19
H	923.80
I	926.80
J	19'-5 <sup>15</sup> / <sub>16</sub> "
K	7'-8 <sup>5</sup> / <sub>8</sub> "
L	6'-8 <sup>5</sup> / <sub>8</sub> "

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

DATE  
STRUCTURE FILE NUMBER  
1810774

DESIGNED  
MJM  
CHECKED  
NRC

CHANGE ORDER

PIER 13R DETAIL  
BRIDGE NO. CUY-271-0232R  
I-271 OVER TINKERS CREEK

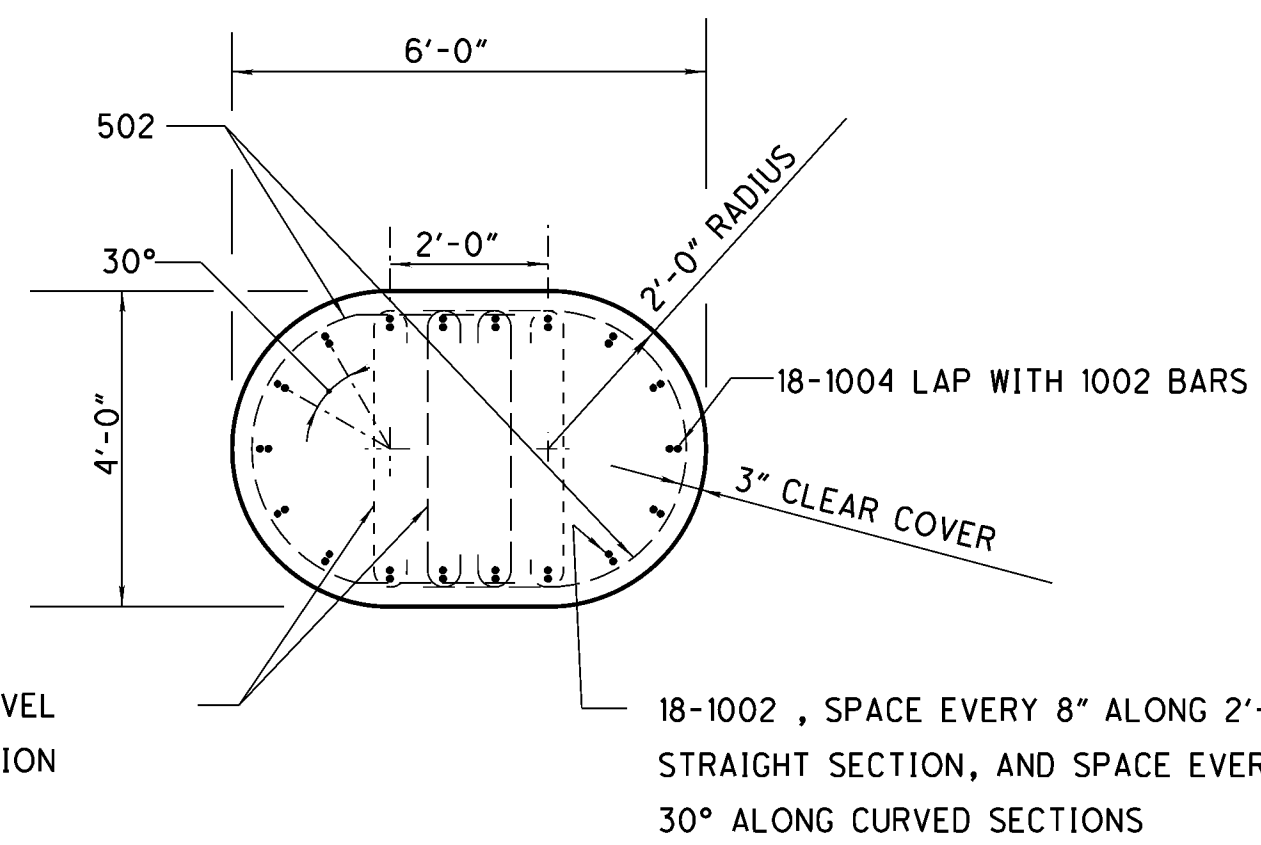
CUY-271-2.32

13P

ADD THE PREFIX P1L BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

### PIER 1L

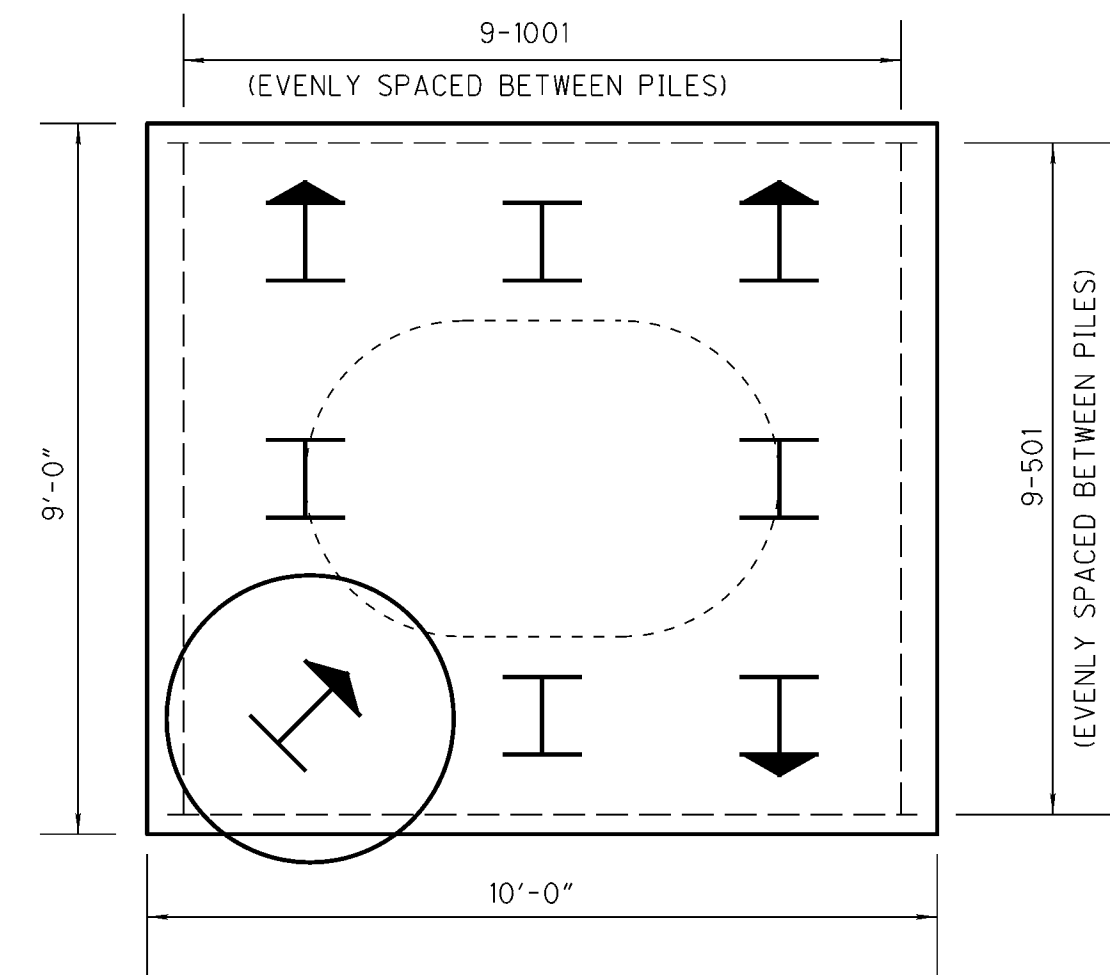
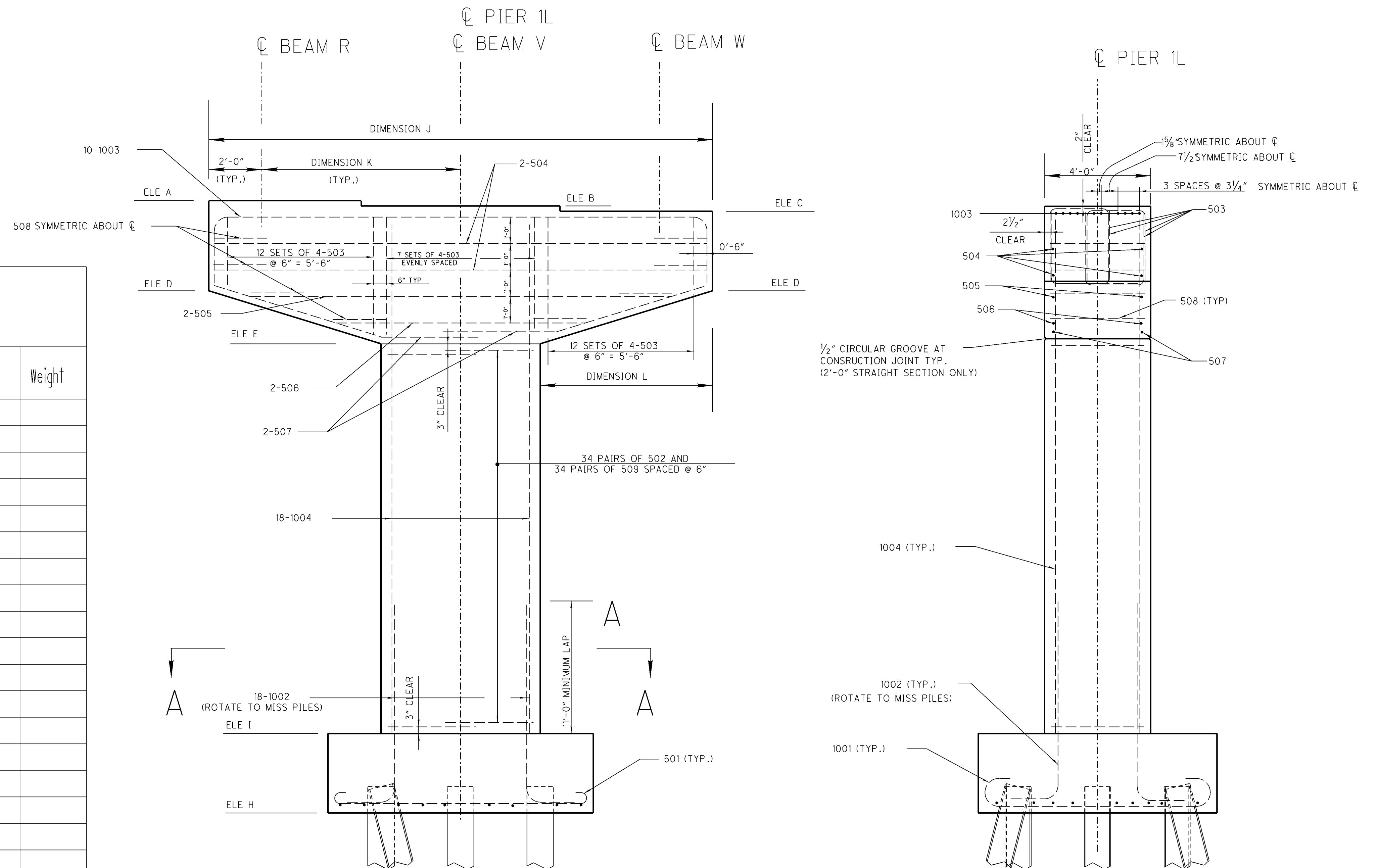
PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P1L	501	9	10'-7 <sup>3</sup> / <sub>4</sub> "	7	9'-6"					
P1L	502	68	8'-7"	9	3'-4"	3'-6"				
P1L	503	124	7'-5 <sup>1</sup> / <sub>4</sub> "	2	2'-9"	2'-2 <sup>3</sup> / <sub>8</sub> "				
P1L	504	4	18'-7"	STR.						
P1L	505	2	15'-11 <sup>1</sup> / <sub>2</sub> "	STR.						
P1L	506	2	9'-5 <sup>1</sup> / <sub>2</sub> "	STR.						
P1L	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 <sup>1</sup> / <sub>2</sub> "			
P1L	508	8	7'-3 <sup>3</sup> / <sub>8</sub> "	2	2'-0"	3'-7"				
P1L	509	68	4'-8"	7	3'-6"					
P1L	1001	9	11'-4"	7	8'-6"					
P1L	1002	18	16'-2 <sup>1</sup> / <sub>2</sub> "	1	1'-9 <sup>5</sup> / <sub>8</sub> "	14'-8 <sup>1</sup> / <sub>2</sub> "				
P1L	1003	10	22'-11 <sup>1</sup> / <sub>2</sub> "	2	2'-6"	18'-6 <sup>5</sup> / <sub>8</sub> "				
P1L	1004	18	21'-7 <sup>1</sup> / <sub>2</sub> "	STR.						



509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

18-1002, SPACE EVERY 8" ALONG 2'-0" STRAIGHT SECTION, AND SPACE EVERY 30° ALONG CURVED SECTIONS

### SECTION A-A



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER

A	941.39
B	941.26
C	941.13
D	938.13
E	936.13
H	916.00
I	919.00
J	19'-0 <sup>15</sup> / <sub>16</sub> "
K	7'-6 <sup>7</sup> / <sub>16</sub> "
L	6'-6 <sup>7</sup> / <sub>16</sub> "

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

DATE  
REVIEWED  
STRUCTURE FILE NUMBER  
1810715

DRAWN  
MJM  
CHECKED  
NRC

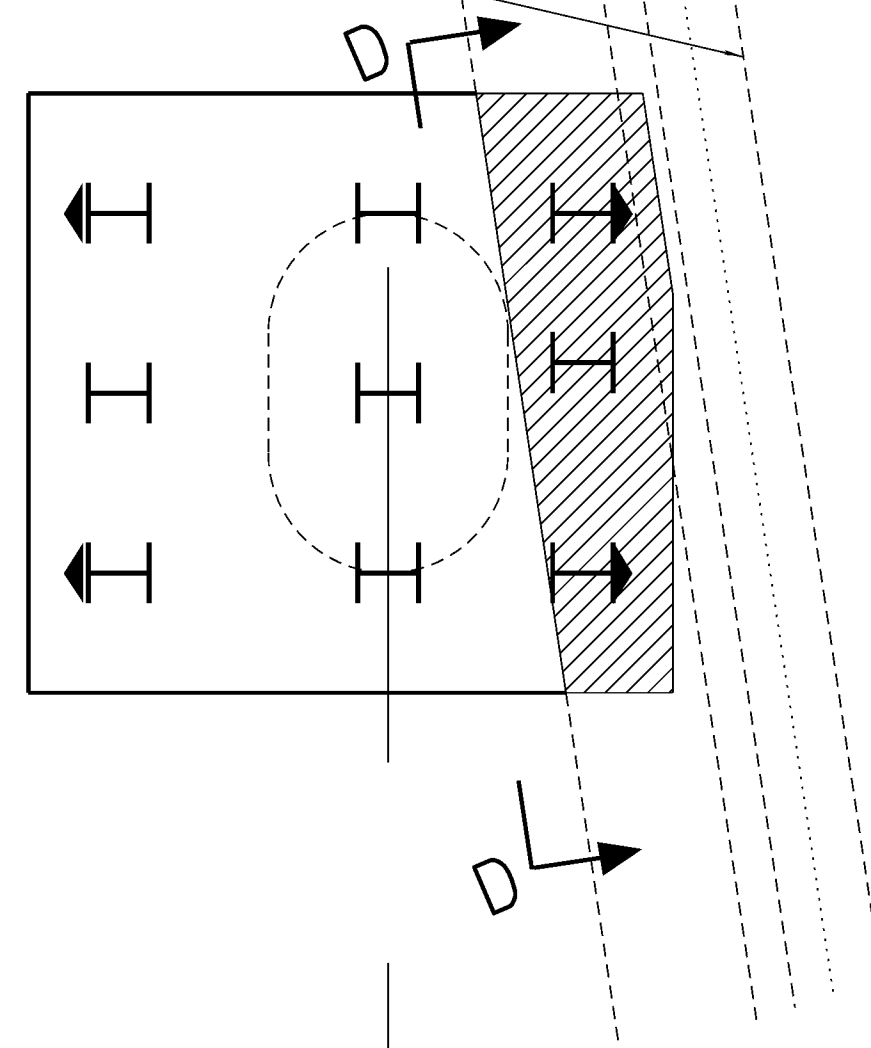
CHANGE ORDER

PIER 1L DETAIL  
BRIDGE NO. CUY-271-0232L  
I-271 OVER TINKERS CREEK

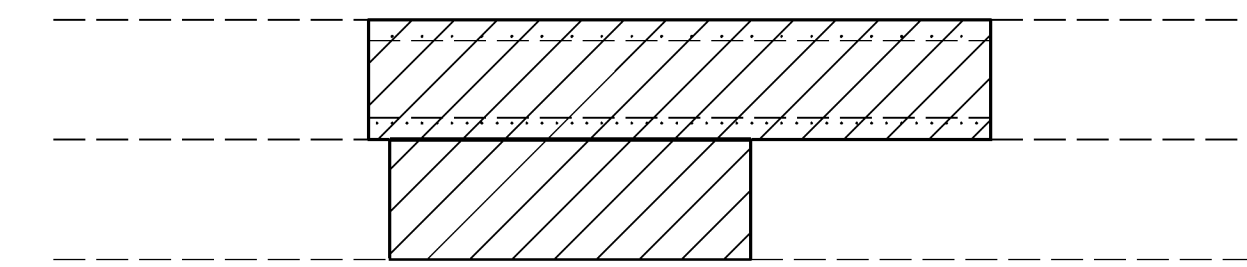
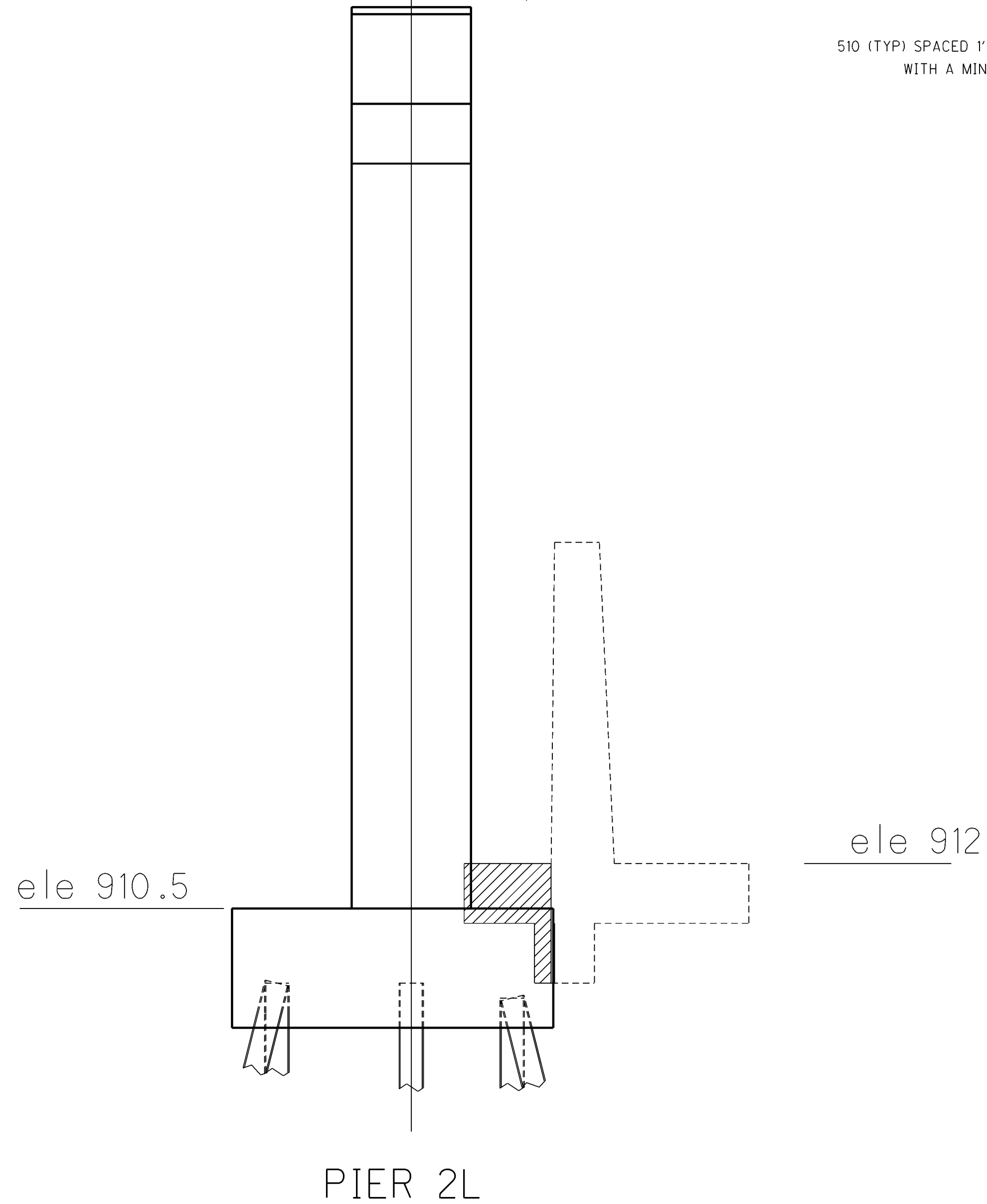
CUY-271-2.32

TOE OF RETAINING WALL FOOTING  
 TOE OF RETAINING WALL SHEAR KEY  
 RETAINING WALL FACE  
 BACK FACE OF SHEAR KEY  
 RETAINING WALL BACK FACE

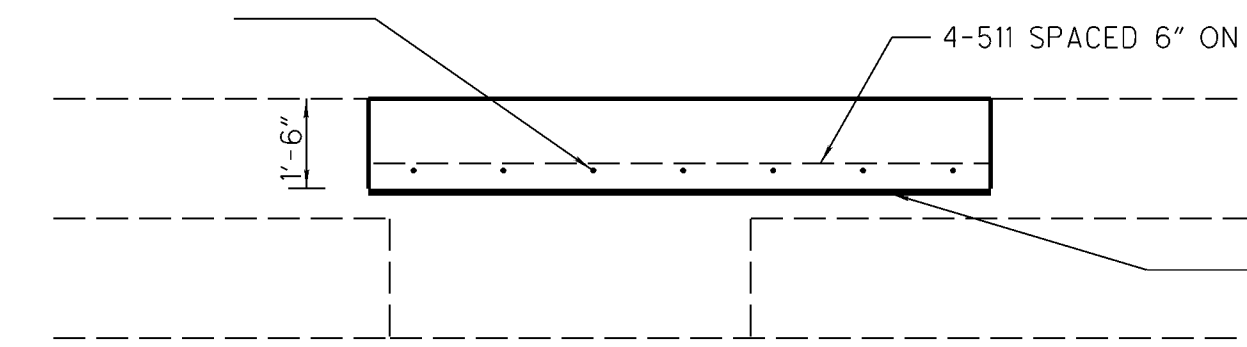
 AREA OF RETAINING WALL FOOTING AND SHEAR KEY TO BE REMOVED AND REPLACED.



510 (TYP) SPACED 1'-6" ON CENTER, BARS SHALL BE EPOXY GROUTED PER CMS 510 WITH A MINIMUM EMBEDMENT DEPTH OF 8" INTO SOUND CONCRETE.



SECTION D-D (REMOVAL)



SECTION D-D (REPLACEMENT)

MAINTAIN 3" CLEAR COVER FOR ALL NEW REINFORCING STEEL

SECTIONS D-D  
 (RETAINING WALL FOOTING ONLY)

DESIGN AGENCY  
 ODOT  
 DISTRICT 12  
 PRODUCTION

DATE  
 REVIEWED  
 STRUCTURE FILE NUMBER  
 1810715

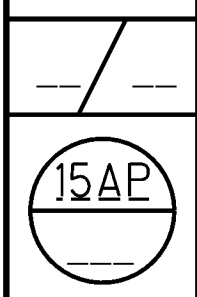
DRAWN  
 MJM  
 REVISIONS

DESIGNED  
 MJM  
 CHECKED  
 NRC

CHANGE ORDER

RETAINING WALL DETAIL AT PIER 2L  
 BRIDGE NO. CUY-271-0232L  
 I-271 OVER TINKERS CREEK

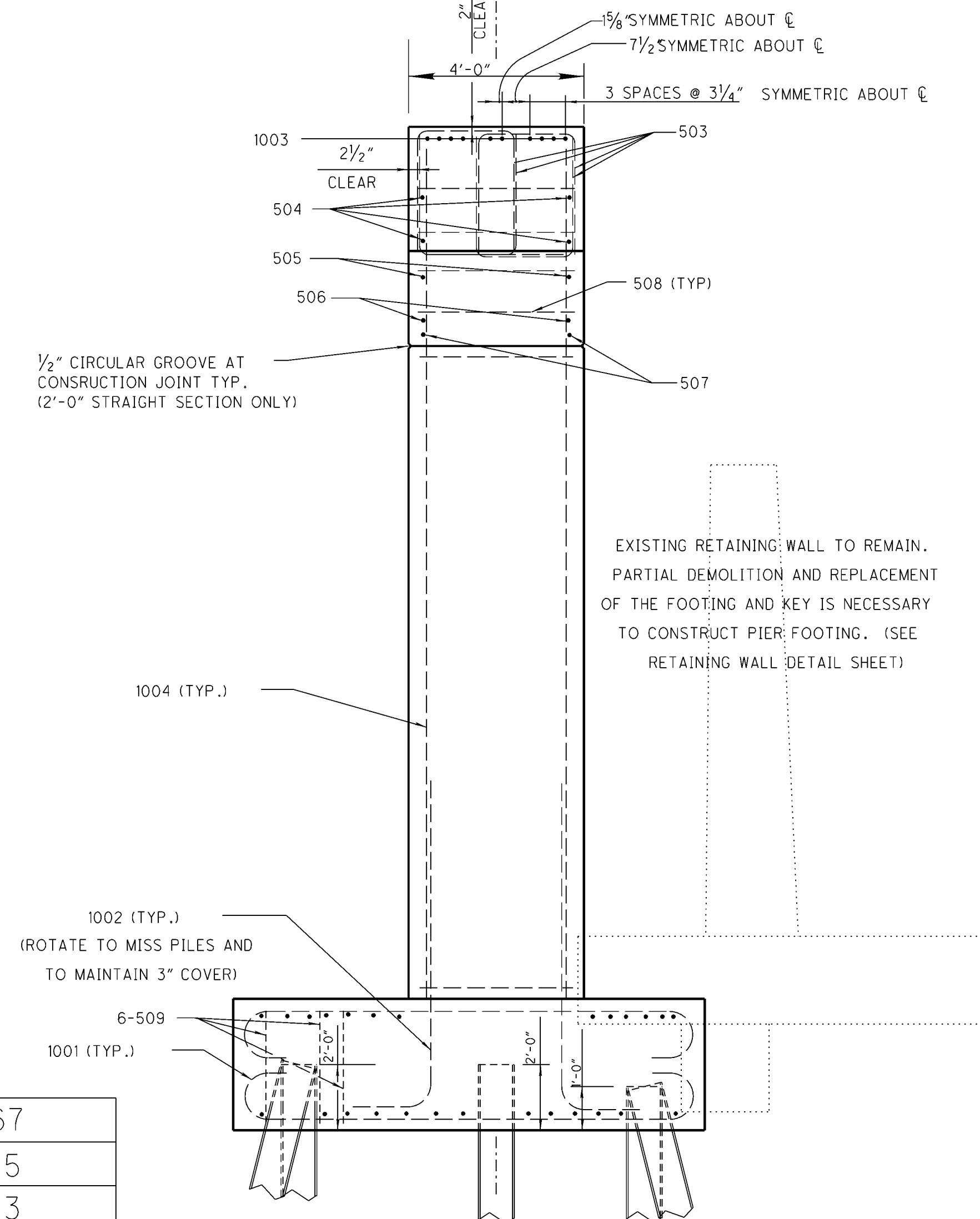
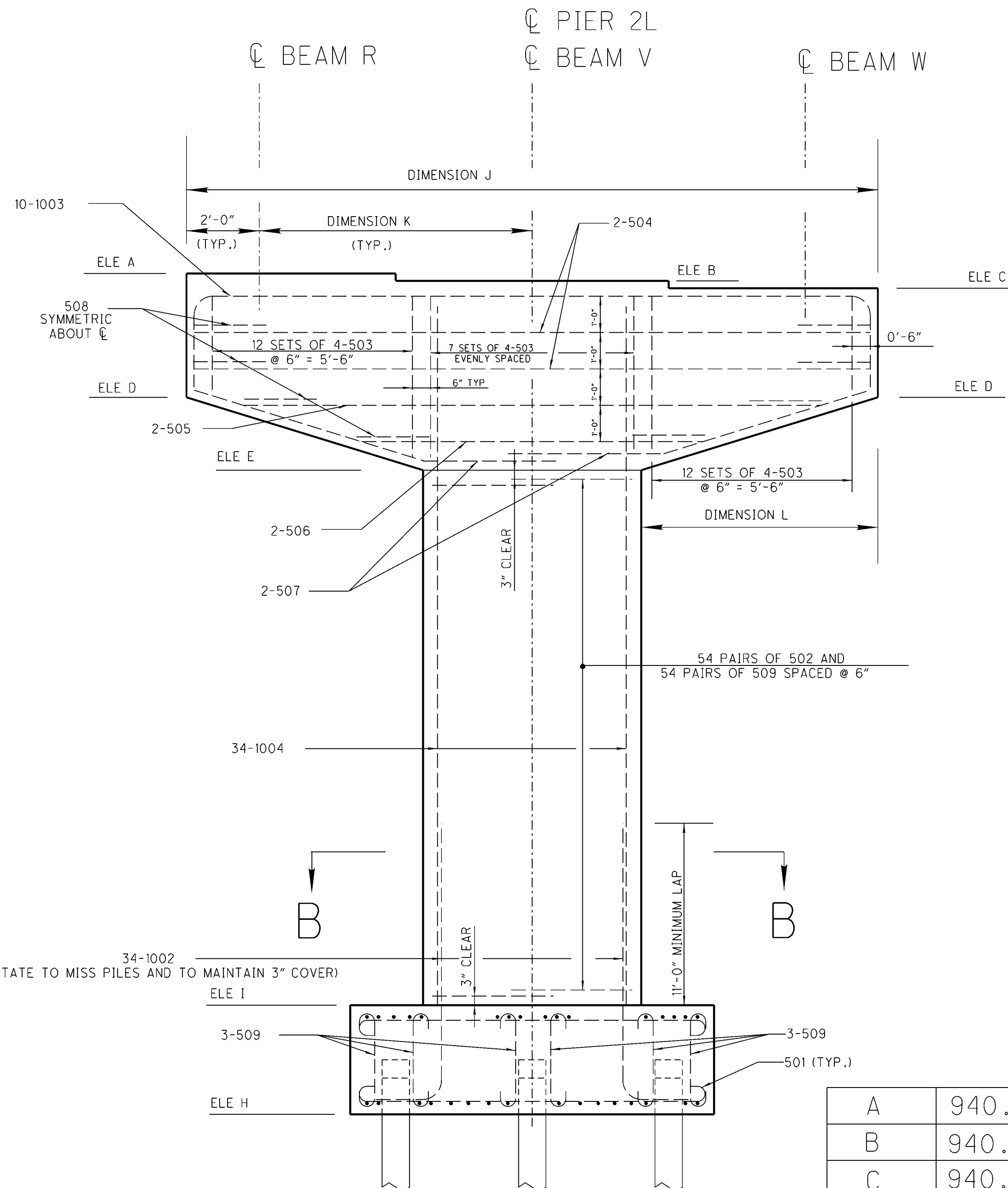
CUY-271-2.32



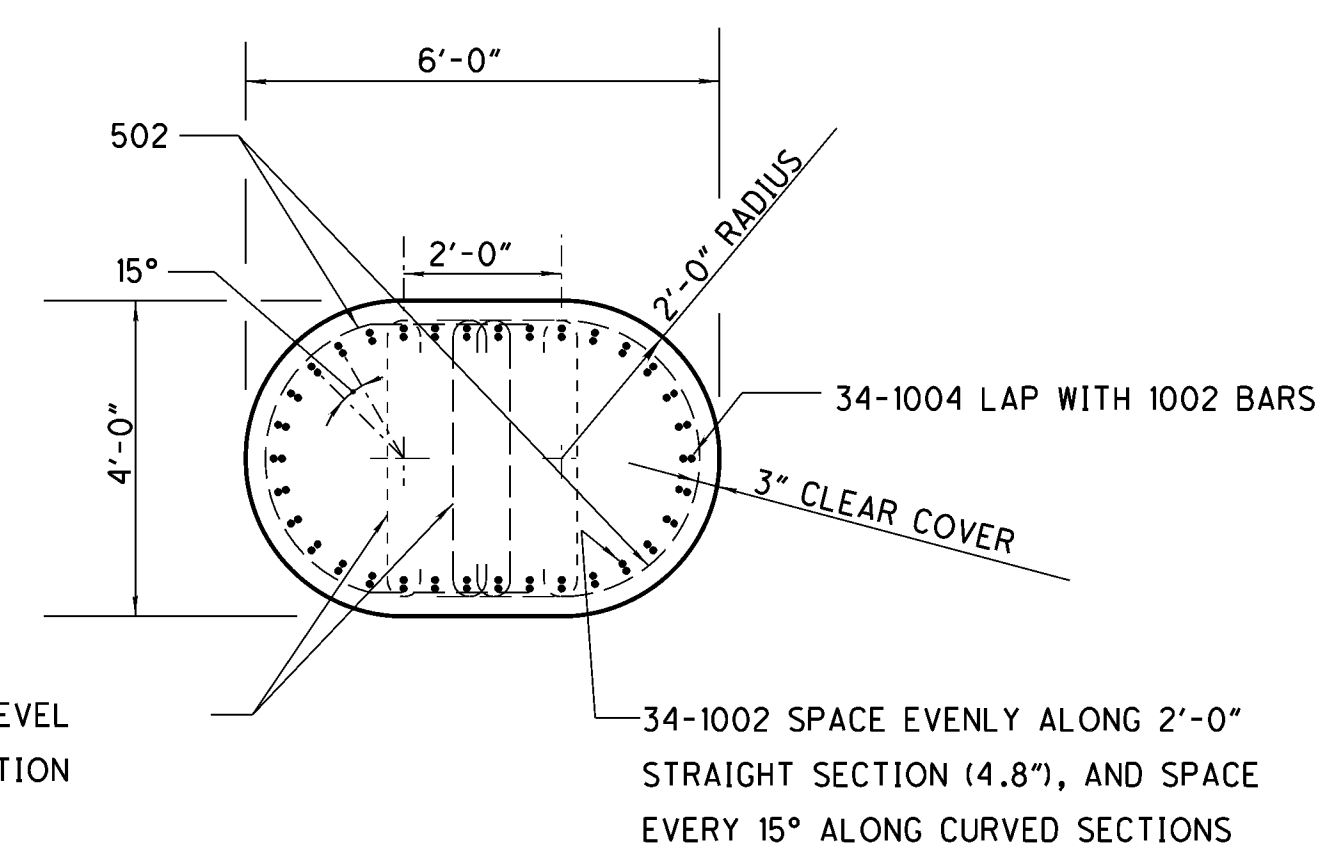
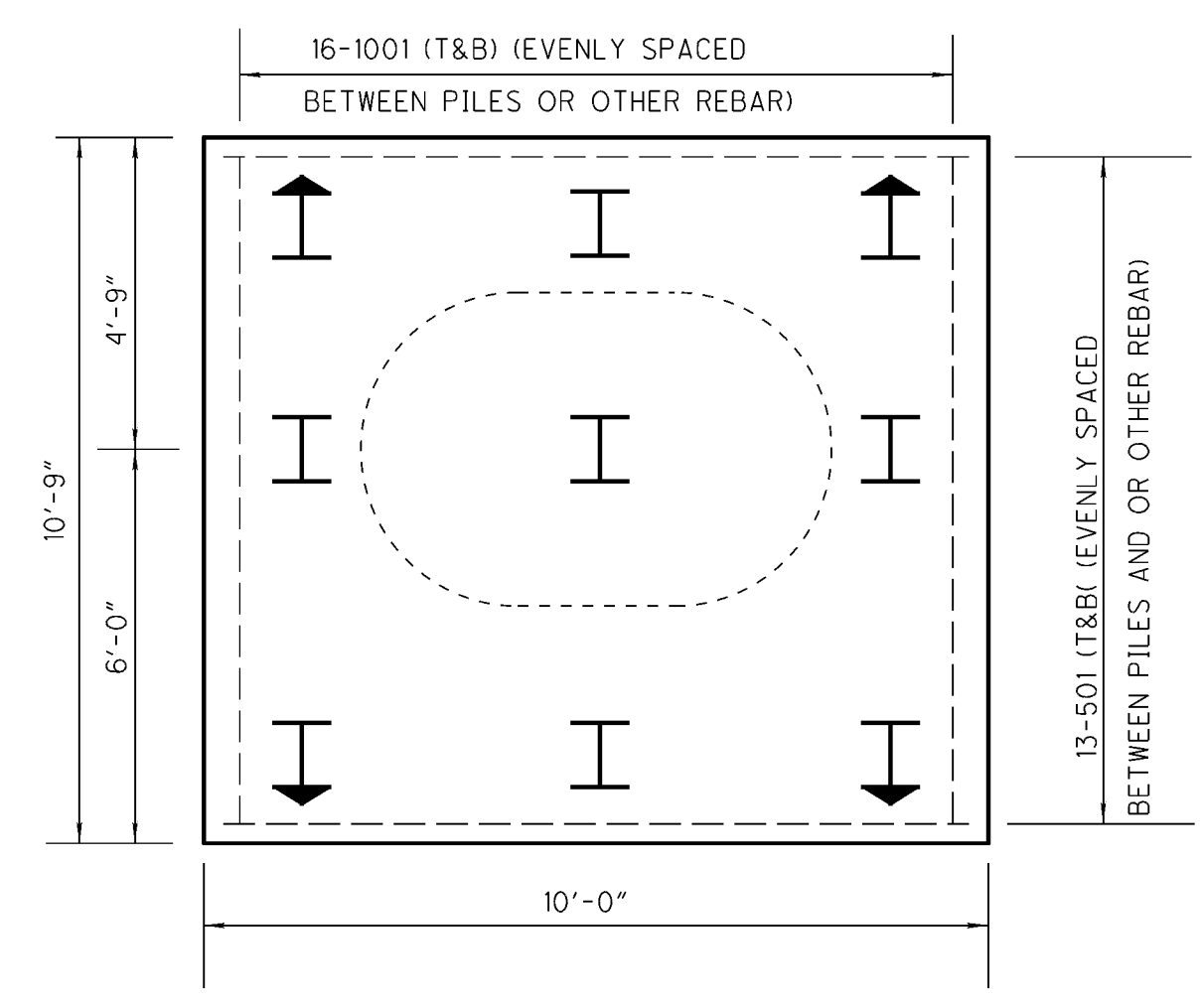
ADD THE PREFIX P2L BEFORE ALL BARS LISTED ON THIS SHEET (P2L RW 510 AND 511 BARS ARE FOR THE RETAINING WALL REPAIR. 510 BARS ARE TO BE EPOXY GROUTED INTO WALL A MINIMUM OF 8")  
ALL BARS SHALL BE EPOXY COATED

# PIER 2L

PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P2L	501	26	10'-8"	7	9'-6"					
P2L	502	108	8'-7"	9	3'-4"	3'-6"				
P2L	503	124	7'-5 1/4"	2	2'-9"	2'-2 3/8"				
P2L	504	4	18'-7"	STR.						
P2L	505	2	15'-11 1/2"	STR.						
P2L	506	2	9'-5 1/2"	STR.						
P2L	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 1/2"			
P2L	508	8	7'-3 7/8"	2	2'-0"	3'-7"				
P2L (RW)	510	7	2'-5"	STR.						
P2L (RW)	511	4	10'-0"	STR.						
P2L	1001	32	13'-1"	7	10'-3"					
P2L	1002	34	16'-2 1/2"	1	1'-9 5/8"	14'-8 1/2"				
P2L	1003	10	22'-10 1/4"	2	2'-6"	8'-5 3/4"				
P2L	1004	34	29'-6"	STR.						



A	940.67
B	940.55
C	940.43
D	937.43
E	935.43
H	906.5
I	910.5
J	19'-0"
K	7'-6"
L	6'-6"



ALL H-PILES SHALL BE HP12x74, ALL BATTERED PILES SHALL BE BATTERED AT 1 TO 4.

ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER

## SECTION B-B

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

DATE  
REVISED  
STRUCTURE FILE NUMBER  
1810715

DRAWN  
MJM  
CHECKED  
NRC

CHANGE ORDER

PIER 2L DETAIL  
BRIDGE NO. CUY-271-0232L  
I-271 OVER TINKERS CREEK

CUY-271-2.32

15P



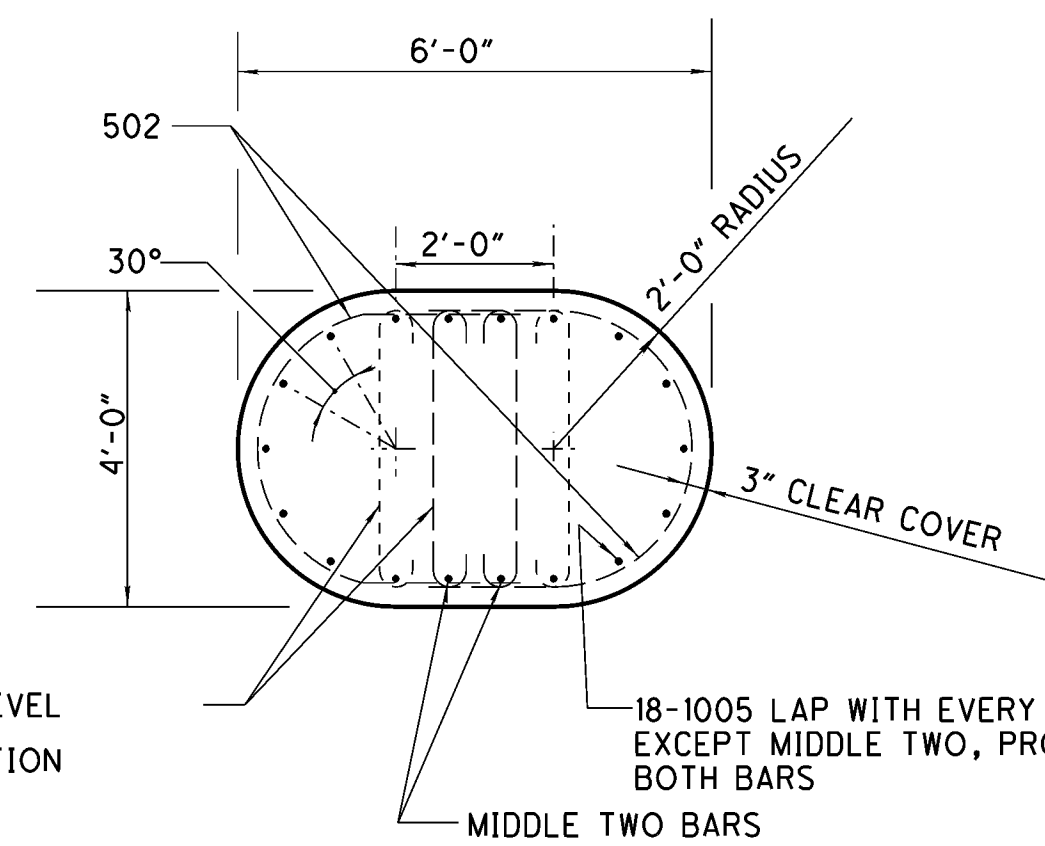
ADD THE PREFIX P3L BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

# PIER 3L

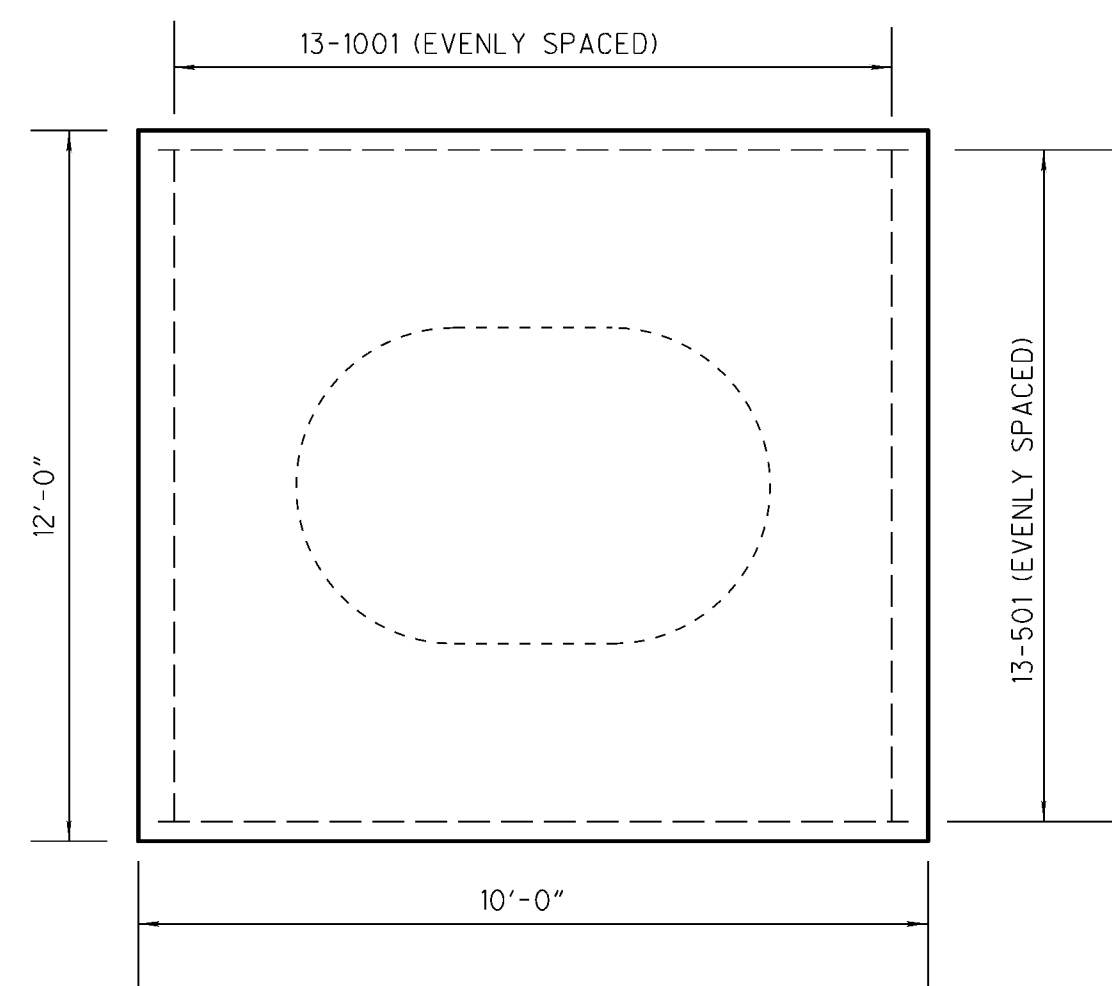
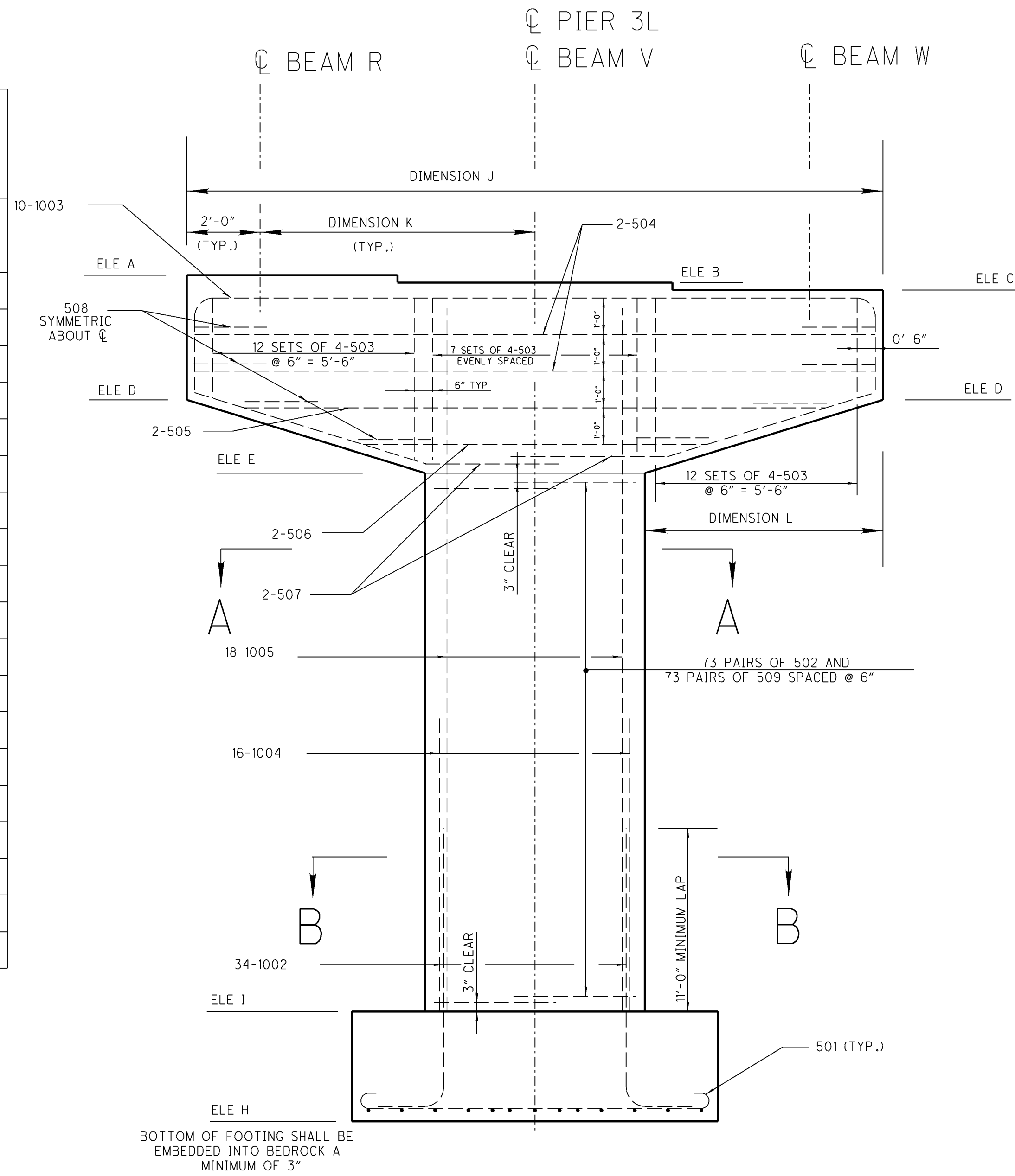
PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P3L	501	13	10'-7 3/4"	7	9'-6"					
P3L	502	146	8'-7"	9	3'-4"	3'-6"				
P3L	503	124	7'-5 1/4"	2	2'-9"	2'-2 3/8"				
P3L	504	4	18'-7"	STR.						
P3L	505	2	15'-11 1/2"	STR.						
P3L	506	2	9'-5 1/2"	STR.						
P3L	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 1/2"			
P3L	508	8	7'-3 7/8"	2	2'-0"	3'-7"				
P3L	509	146	4'-8"	7	3'-6"					
P3L	1001	13	14'-4"	7	11'-6"					
P3L	1002	34	16'-2 1/2"	1	1'-9 5/8"	14'-8 1/2"				
P3L	1003	10	22'-10 1/4"	2	2'-6"	18'-5 3/4"				
P3L	1004	16	18'-10 3/4"	STR.						
P3L	1005	18	40'-10 1/2"	STR.						

A	938.57
B	938.45
C	938.33
D	935.33
E	933.33
H	892.95
I	896.95
J	19'-0"
K	7'-6"
L	6'-6"

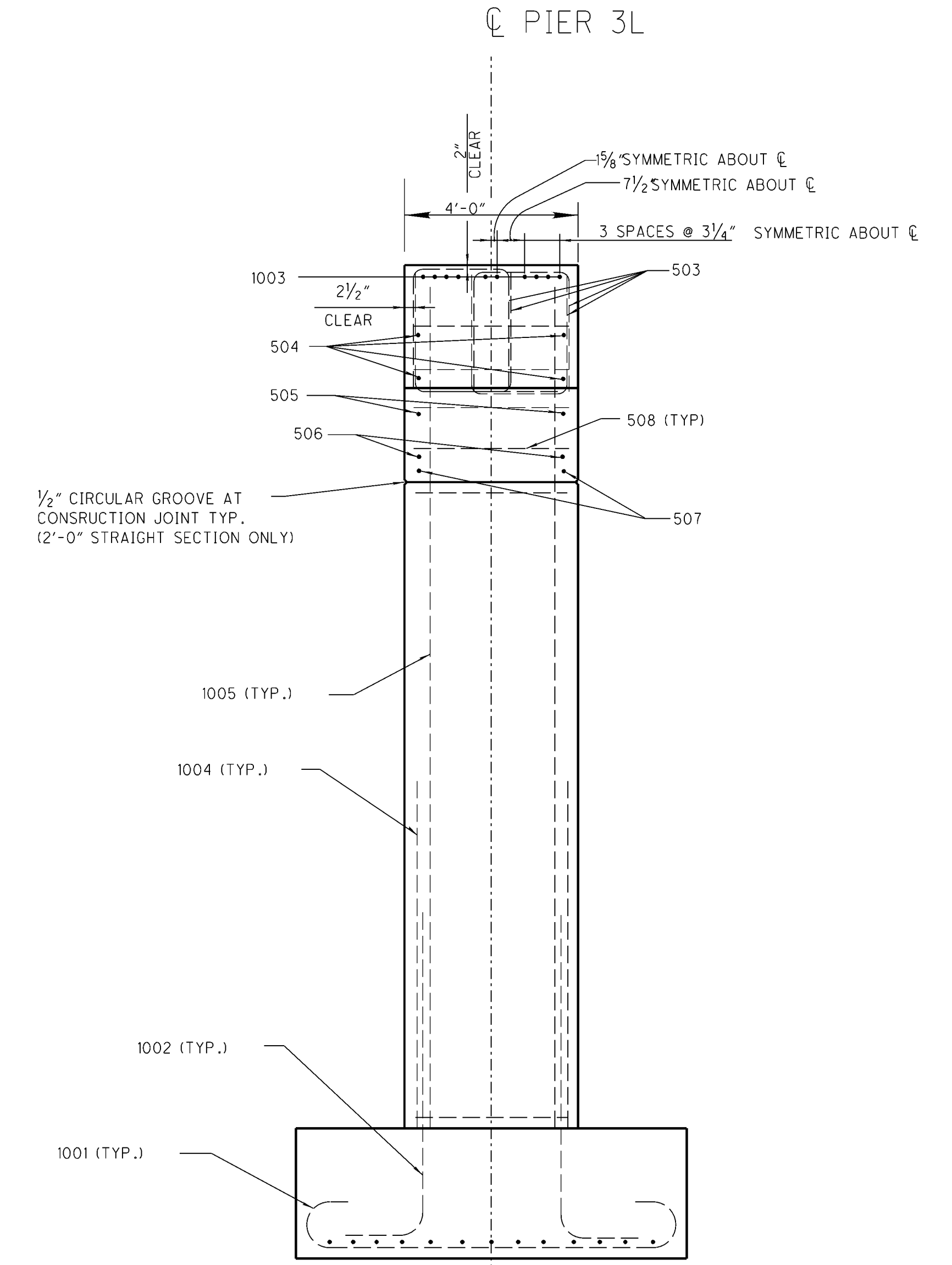
509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)



SECTION A-A



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER

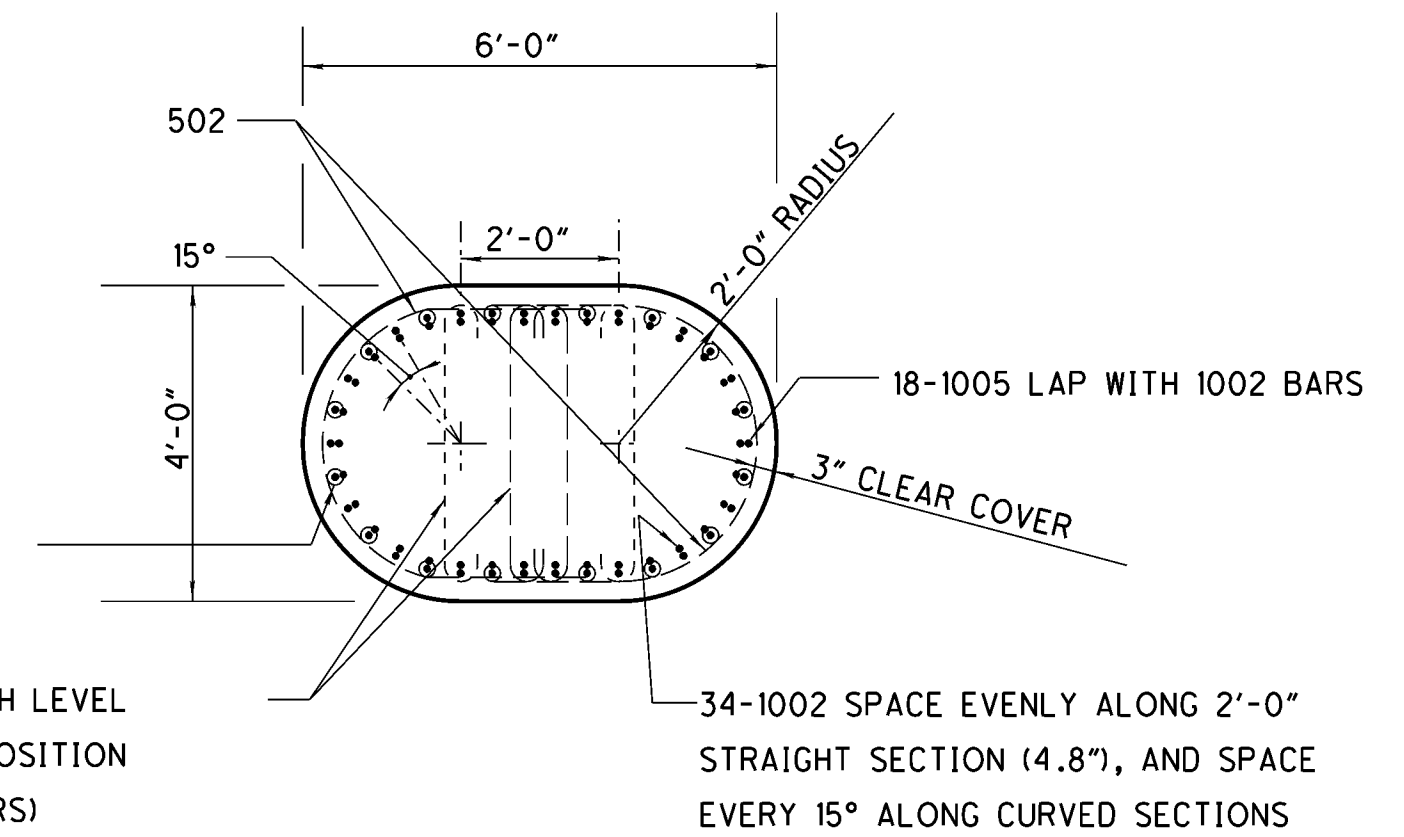


1/2" CIRCULAR GROOVE AT CONSTRUCTION JOINT TYP. (2'-0" STRAIGHT SECTION ONLY)

ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER

16-1004 LAP WITH 1002 BARS

509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)



SECTION B-B

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

DATE  
REVIEWED  
STRUCTURE FILE NUMBER  
1810715

DRAWN  
MJM  
CHECKED  
NRC

CHANGE ORDER

PIER 3L DETAIL  
BRIDGE NO. CUY-271-0232L  
I-271 OVER TINKERS CREEK

CUY-271-2.32

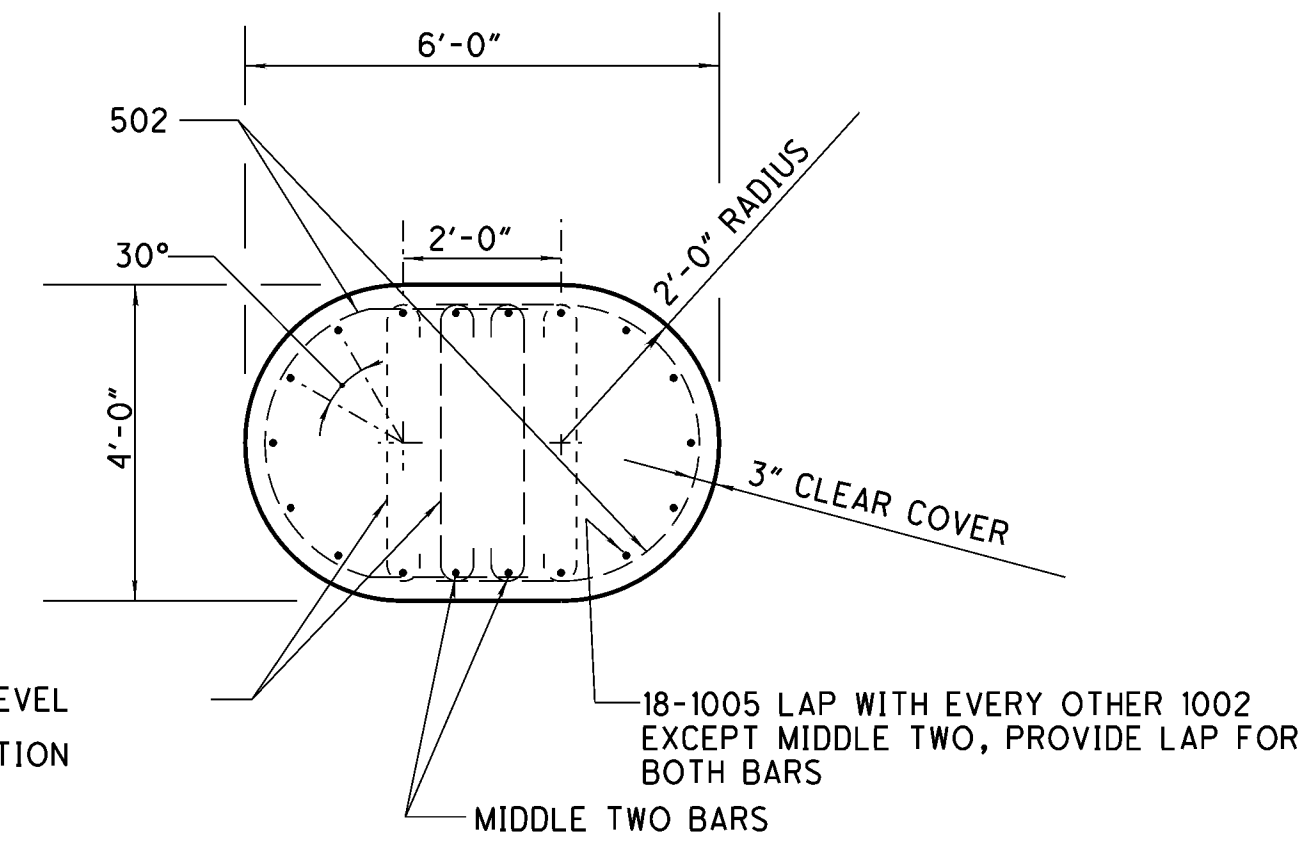
ADD THE PREFIX P4L BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

# PIER 4L

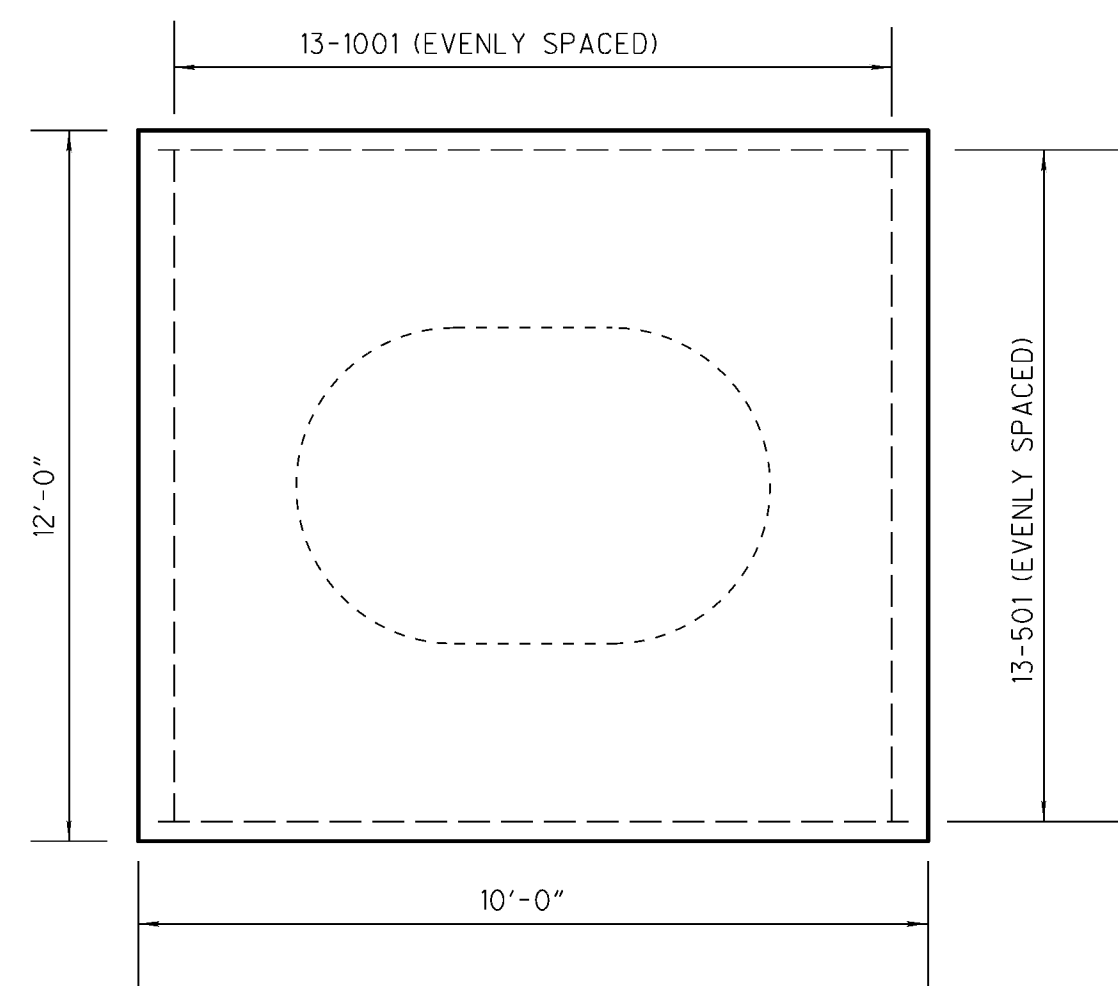
PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P4L	501	13	10'-7 $\frac{3}{4}$ "	7	9'-6"					
P4L	502	138	8'-7"	9	3'-4"	3'-6"				
P4L	503	124	7'-5 $\frac{1}{4}$ "	2	2'-9"	2'-2 $\frac{3}{8}$ "				
P4L	504	4	18'-7"	STR.						
P4L	505	2	15'-11 $\frac{1}{2}$ "	STR.						
P4L	506	2	9'-5 $\frac{1}{2}$ "	STR.						
P4L	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 $\frac{1}{2}$ "			
P4L	508	8	7'-3 $\frac{7}{8}$ "	2	2'-0"	3'-7"				
P4L	509	138	4'-8"	7	3'-6"					
P4L	1001	13	14'-4"	7	11'-6"					
P4L	1002	34	16'-2 $\frac{1}{2}$ "	1	1'-9 $\frac{5}{8}$ "	14'-8 $\frac{1}{2}$ "				
P4L	1003	10	22'-10 $\frac{1}{4}$ "	2	2'-6"	18'-5 $\frac{3}{4}$ "				
P4L	1004	16	16'-11"	STR.						
P4L	1005	18	38'-9"	STR.						

A	938.14
B	938.02
C	937.90
D	934.90
E	932.90
H	894.65
I	898.65
J	19'-0"
K	7'-6"
L	6'-6"

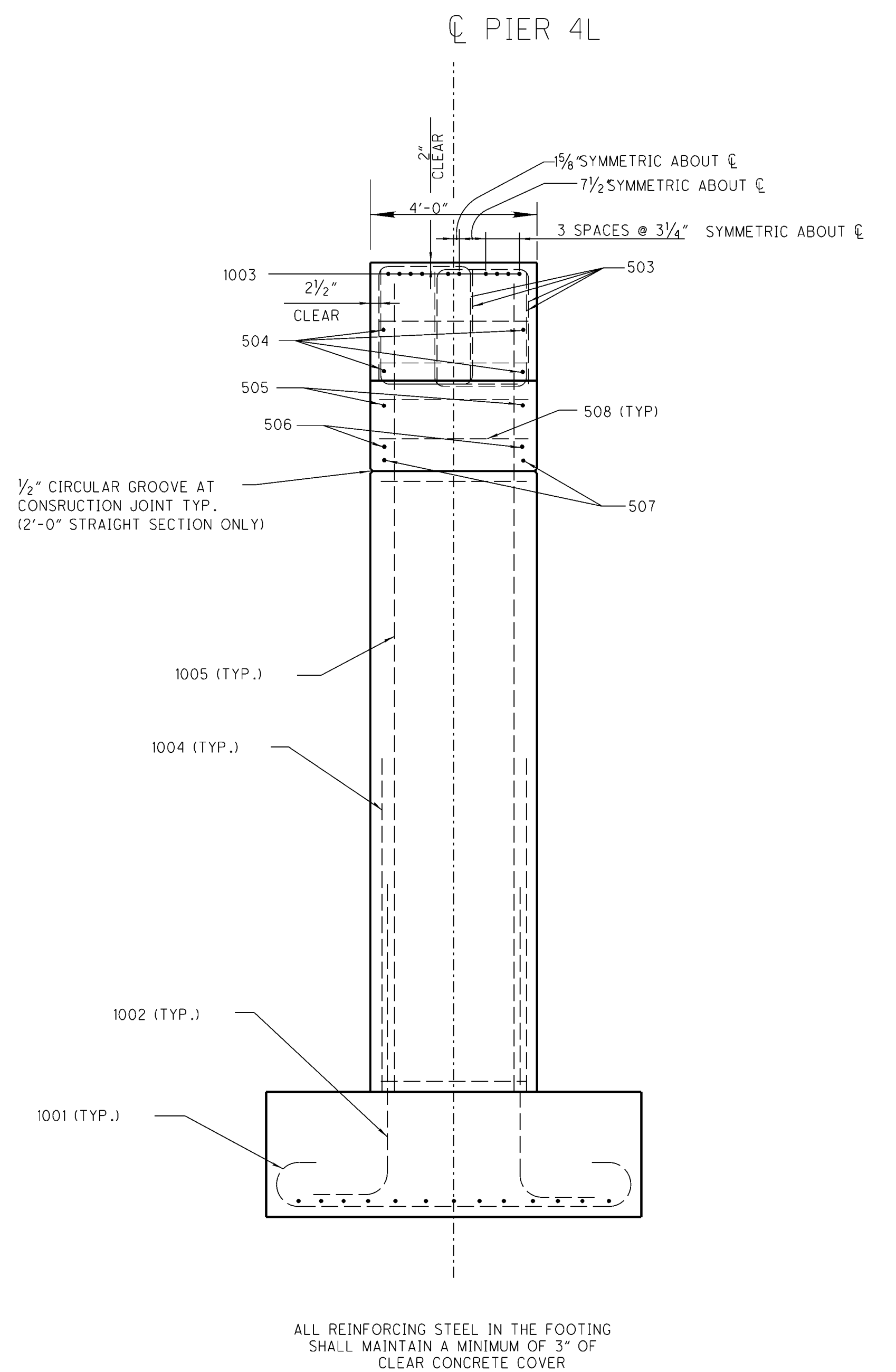
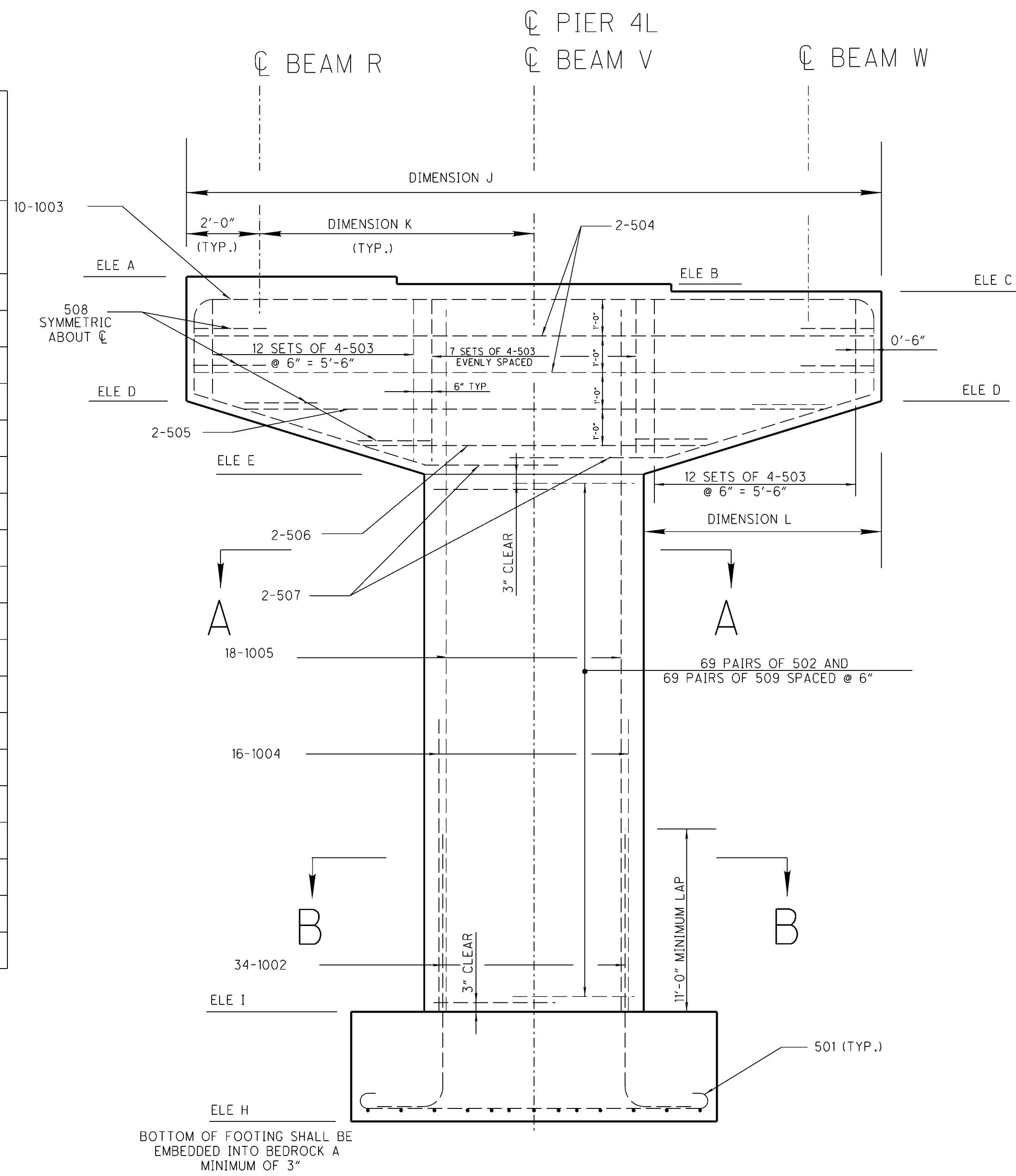
509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)



SECTION A-A



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER



SECTION B-B

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

DATE  
REVISION  
STRUCTURE FILE NUMBER  
1810715

DRAWN  
MJM  
CHECKED  
NRC

CHANGE ORDER

PIER 4L DETAIL  
BRIDGE NO. CUY-271-0232L  
I-271 OVER TINKERS CREEK

CUY-271-2.32

17P

ADD THE PREFIX P5L BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

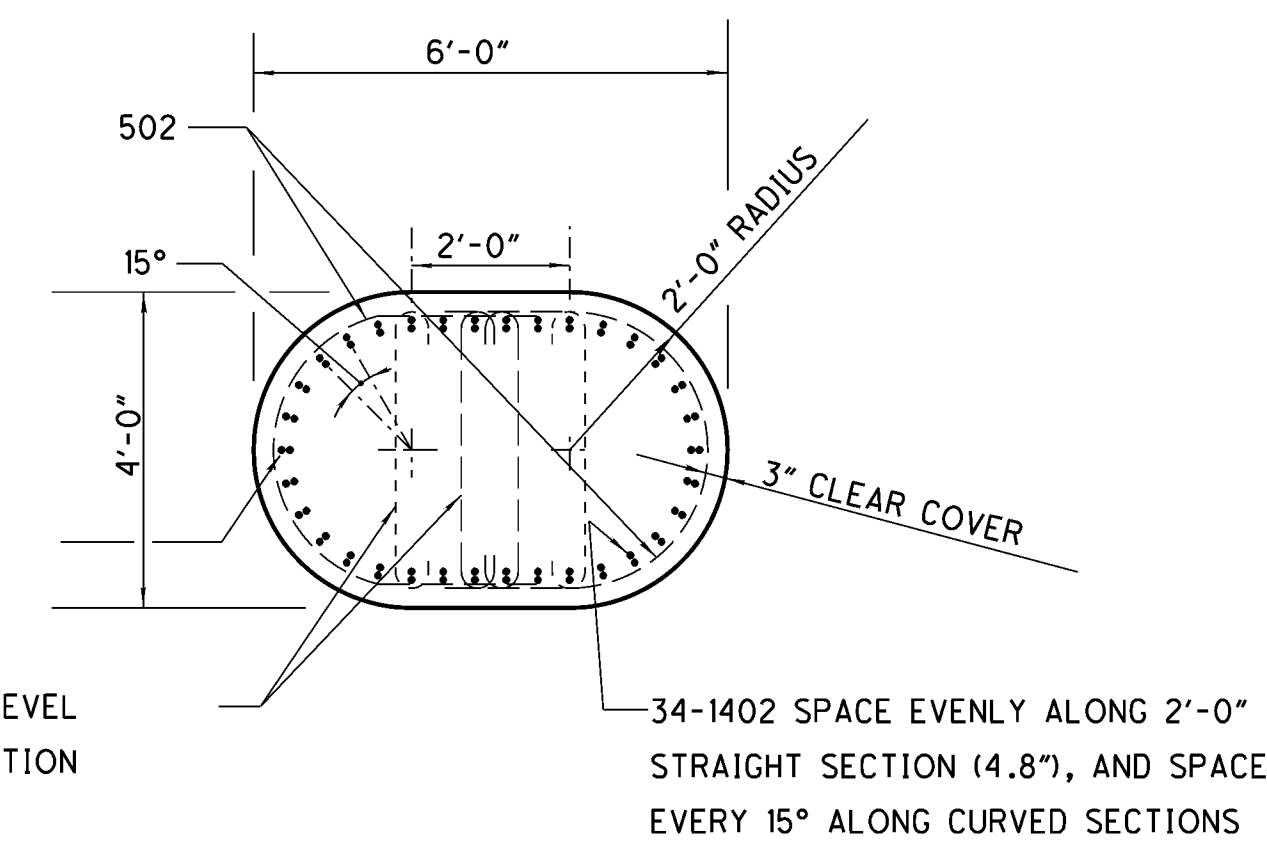
# PIER 5L

PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P5L	501	16	11'-7 $\frac{3}{4}$ "	7	0'-6"					
P5L	502	130	8'-7"	9	3'-4"	3'-6"				
P5L	503	124	7'-5 $\frac{1}{4}$ "	2	2'-9"	2'-2 $\frac{3}{8}$ "				
P5L	504	4	18'-7"	STR.						
P5L	505	2	15'-11 $\frac{1}{2}$ "	STR.						
P5L	506	2	9'-5 $\frac{1}{2}$ "	STR.						
P5L	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 $\frac{1}{2}$ "			
P5L	508	8	7'-3 $\frac{7}{8}$ "	2	2'-0"	3'-7"				
P5L	509	130	4'-8"	7	3'-6"					
P5L	1003	10	22'-10 $\frac{1}{4}$ "	2	2'-6"	18'-5 $\frac{3}{4}$ "				
P5L	1004	34	36'-10 $\frac{1}{2}$ "	STR.						
P5L	1401	15	19'-0"	7	14'-6"					
P5L	1402	34	24'-1 $\frac{1}{2}$ "	1	2'-6 $\frac{1}{2}$ "	22'-0 $\frac{1}{2}$ "				

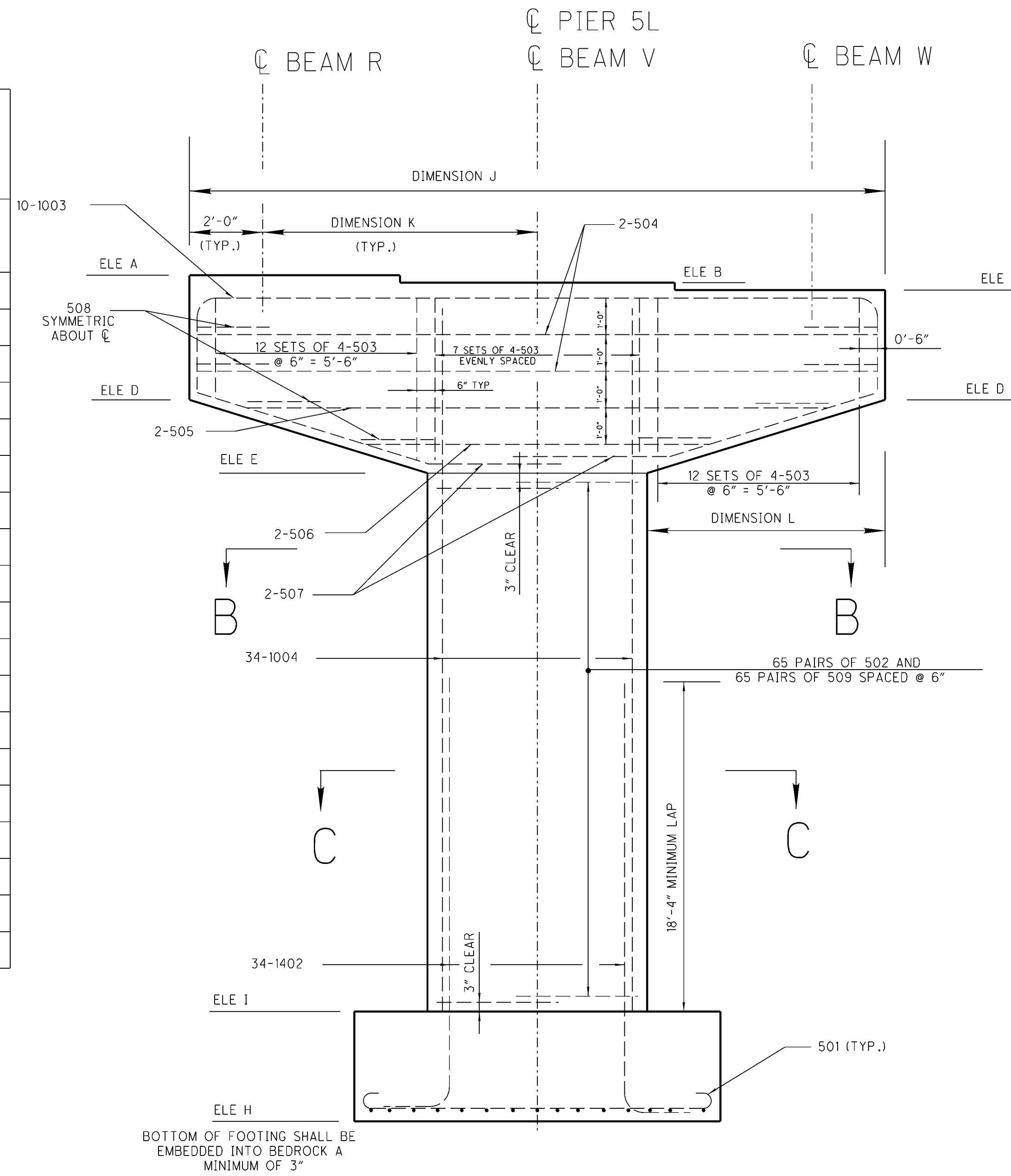
A	938.11
B	937.99
C	937.87
D	934.87
E	932.87
H	896.5
I	900.5
J	19'-0"
K	7'-6"
L	6'-6"

34-1004 LAP WITH 1402 BARS

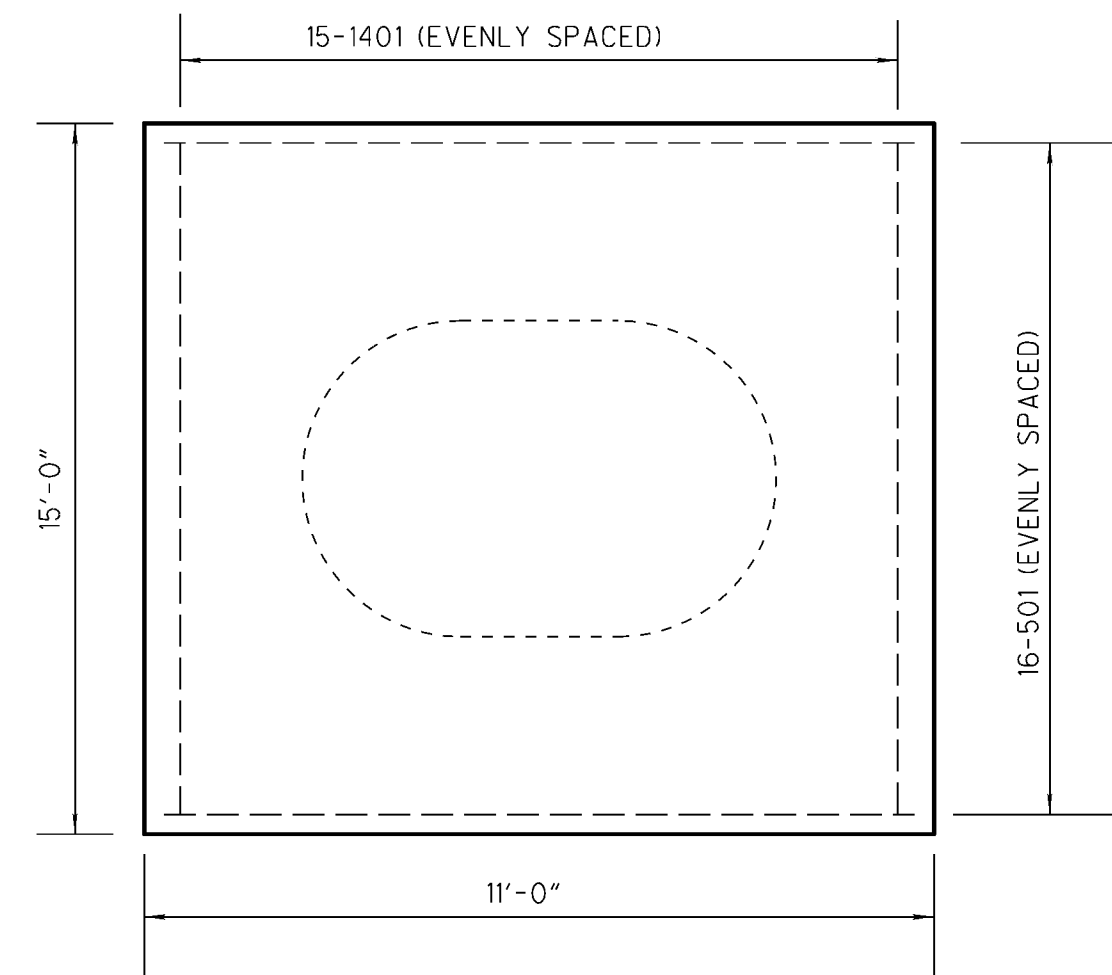
509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)



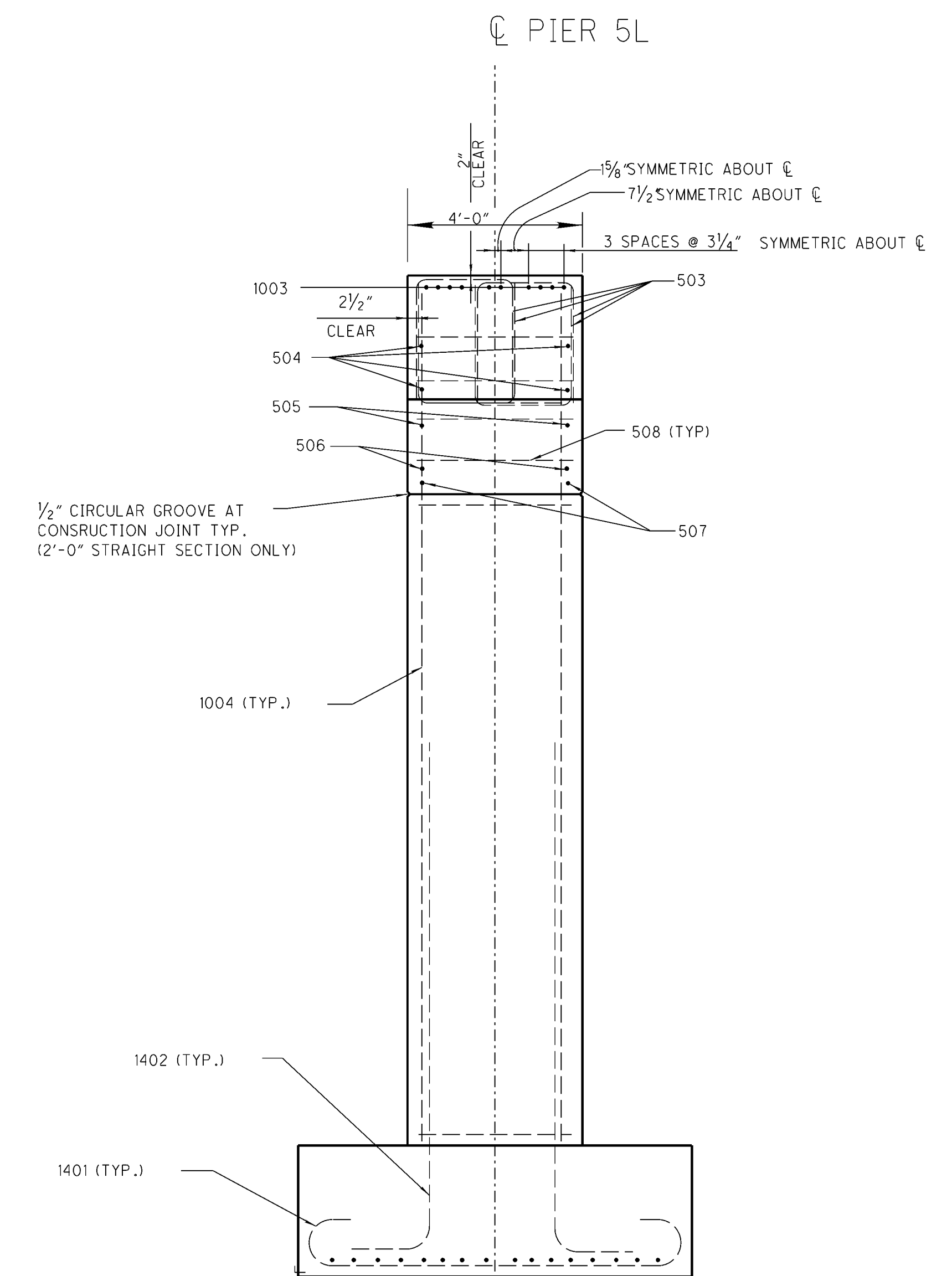
SECTION C-C



BOTTOM OF FOOTING SHALL BE EMBEDDED INTO BEDROCK A MINIMUM OF 3"



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER



SECTION B-B

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

DATE  
REVIEWED  
STRUCTURE FILE NUMBER  
1810715

DRAWN  
MJM  
CHECKED  
NRC

CHANGE ORDER

PIER 5L DETAIL  
BRIDGE NO. CUY-271-0232L  
I-271 OVER TINKERS CREEK

CUY-271-2.32

18P

ADD THE PREFIX P6L BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

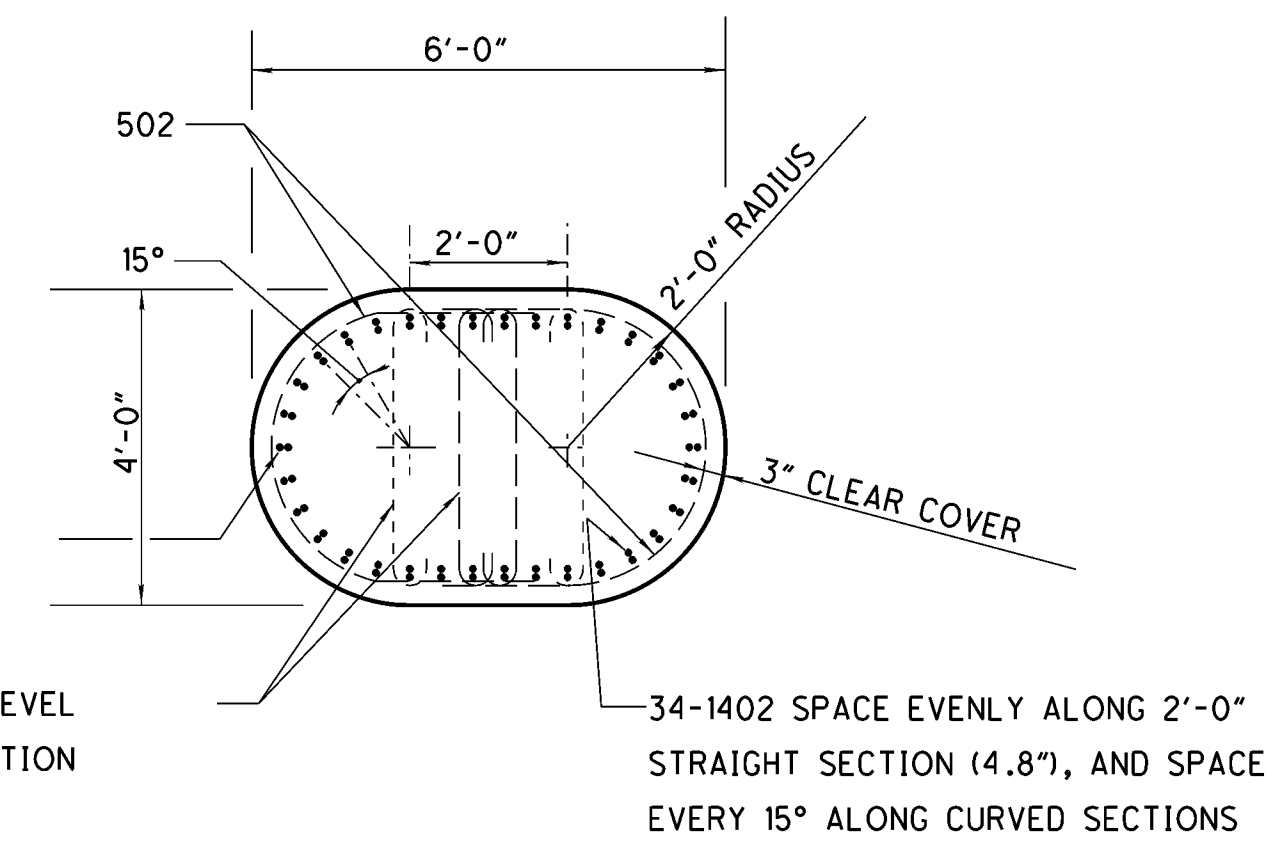
# PIER 6L

PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P6L	501	16	11'-7 $\frac{3}{4}$ "	7	0'-6"					
P6L	502	140	8'-7"	9	3'-4"	3'-6"				
P6L	503	124	7'-5 $\frac{1}{4}$ "	2	2'-9"	2'-2 $\frac{3}{8}$ "				
P6L	504	4	18'-7"	STR.						
P6L	505	2	15'-11 $\frac{1}{2}$ "	STR.						
P6L	506	2	9'-5 $\frac{1}{2}$ "	STR.						
P6L	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 $\frac{1}{2}$ "			
P6L	508	8	7'-3 $\frac{7}{8}$ "	2	2'-0"	3'-7"				
P6L	509	140	4'-8"	7	3'-6"					
P6L	1003	10	22'-10 $\frac{1}{4}$ "	2	2'-6"	18'-5 $\frac{3}{4}$ "				
P6L	1004	34	39'-5"	STR.						
P6L	1401	15	19'-0"	7	14'-6"					
P6L	1402	34	24'-1 $\frac{1}{2}$ "	1	2'-6 $\frac{1}{2}$ "	22'-0 $\frac{1}{2}$ "				

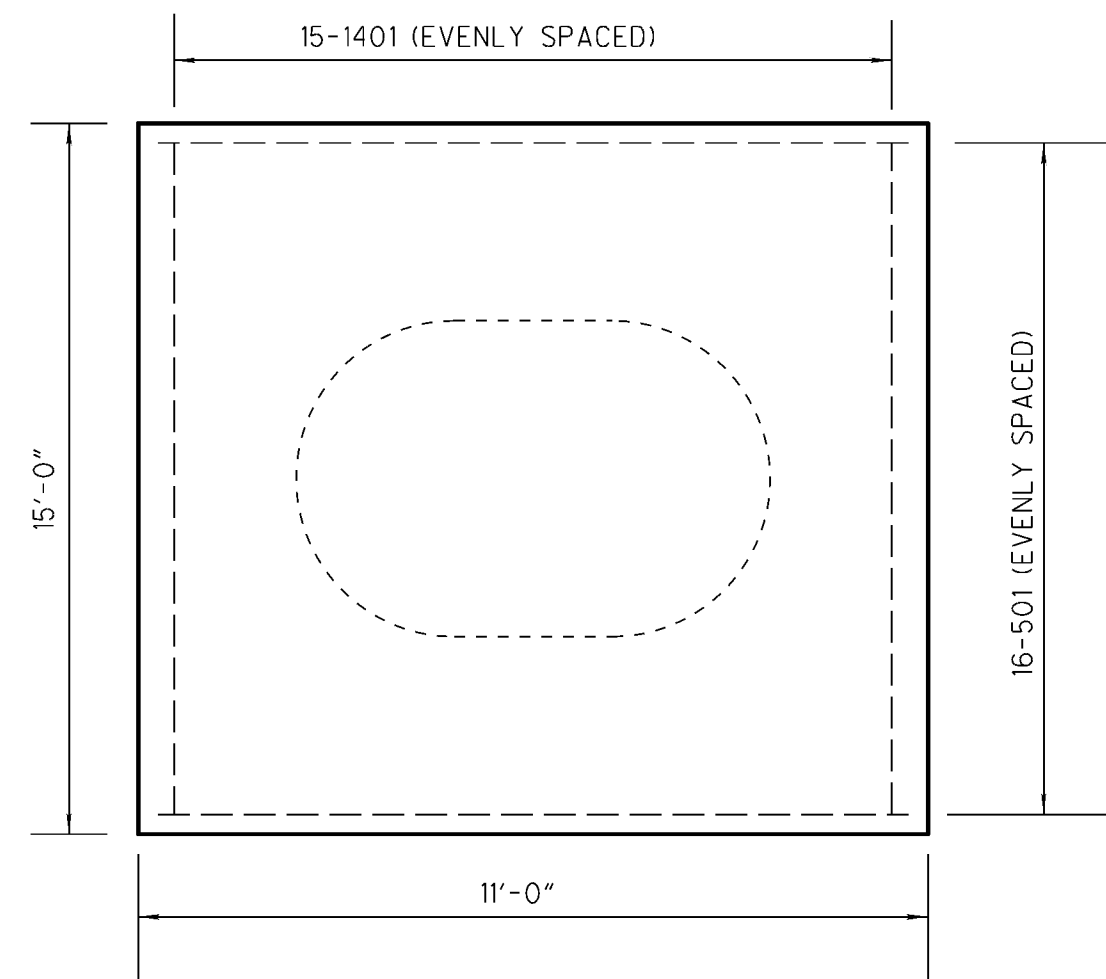
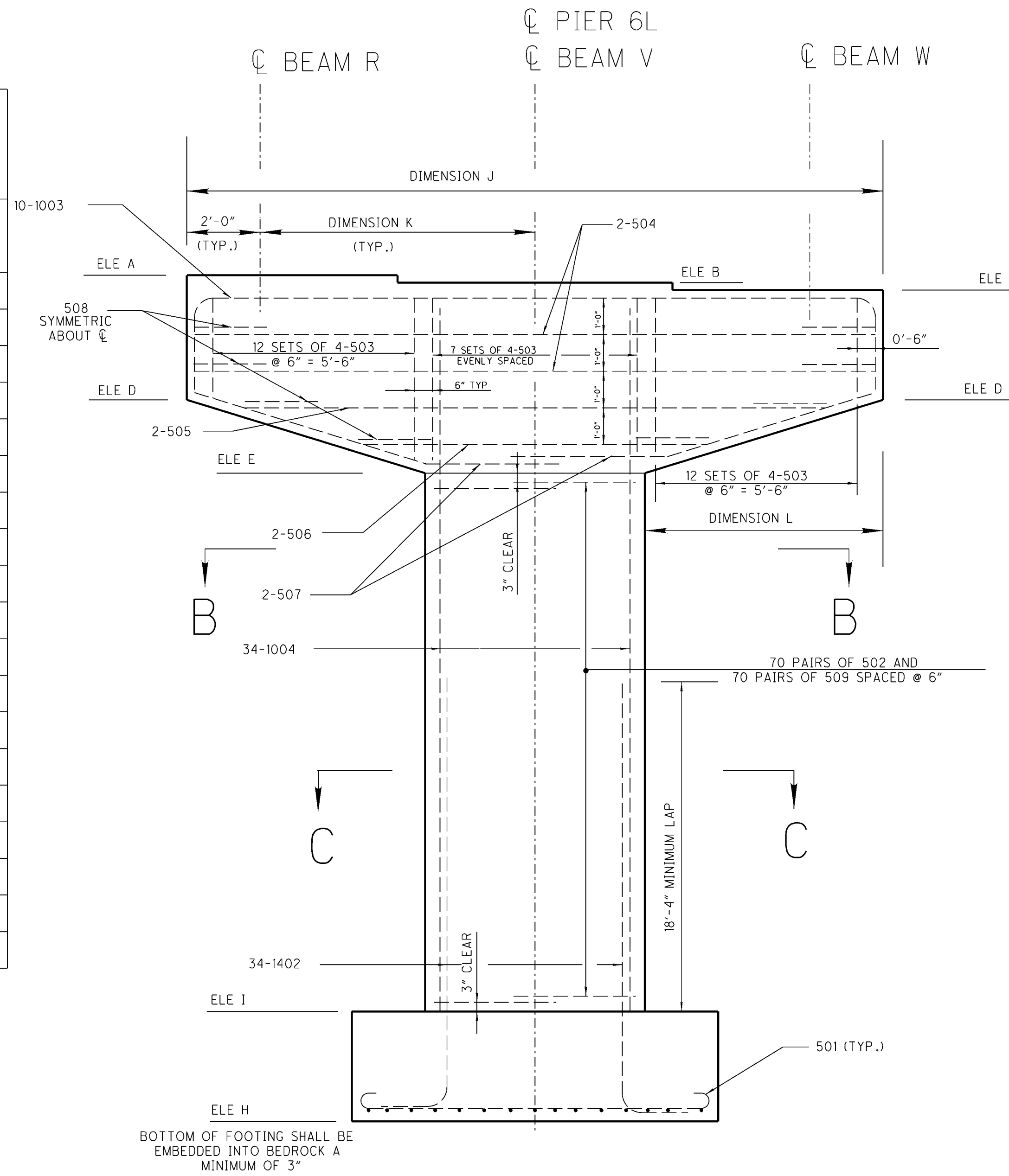
A	938.40
B	938.28
C	938.16
D	935.16
E	933.16
H	894.25
I	898.25
J	19'-0"
K	7'-6"
L	6'-6"

34-1004 LAP WITH 1402 BARS

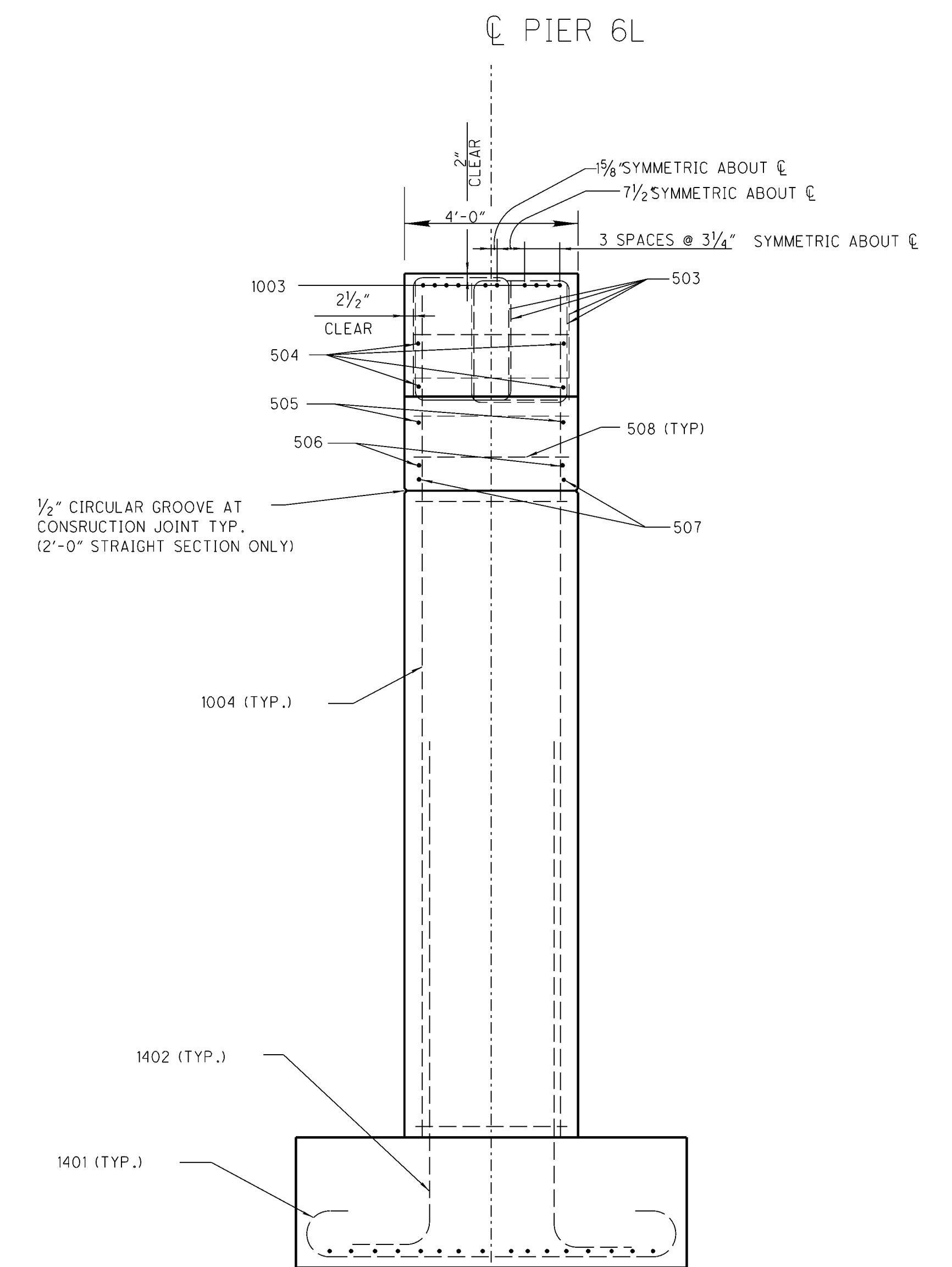
509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)



SECTION C-C



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER



509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

34-1004 SPACE EVENLY ALONG 2'-0" STRAIGHT SECTION (4.8"), AND SPACE EVERY 15° ALONG CURVED SECTIONS (LAP WITH 1402 BARS)

SECTION B-B

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

DATE  
REVIEWED  
STRUCTURE FILE NUMBER  
1810715

DRAWN  
MJM  
CHECKED  
NRC

CHANGE ORDER

PIER 6L DETAIL  
BRIDGE NO. CUY-271-0232L  
I-271 OVER TINKERS CREEK

CUY-271-2.32

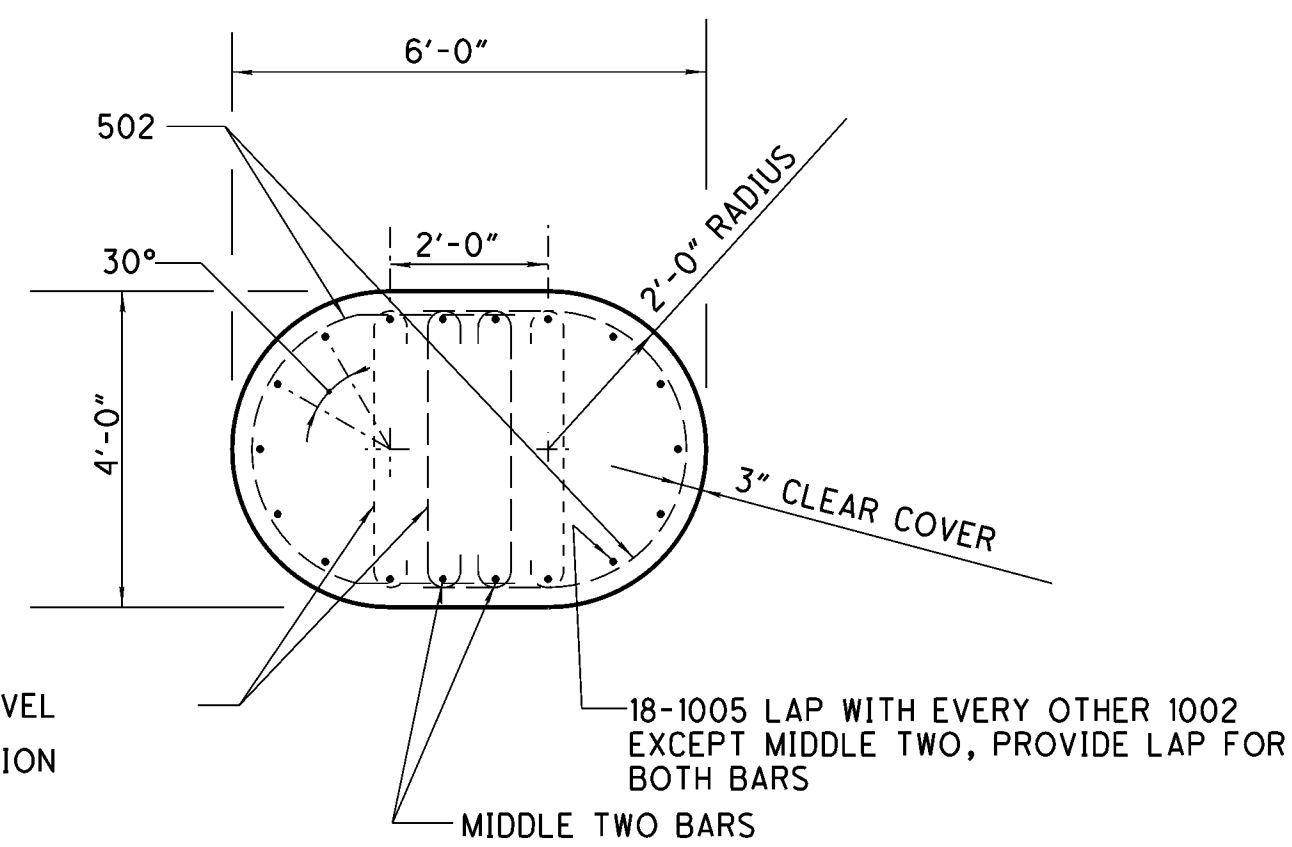
19P

ADD THE PREFIX P7L BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

# PIER 7L

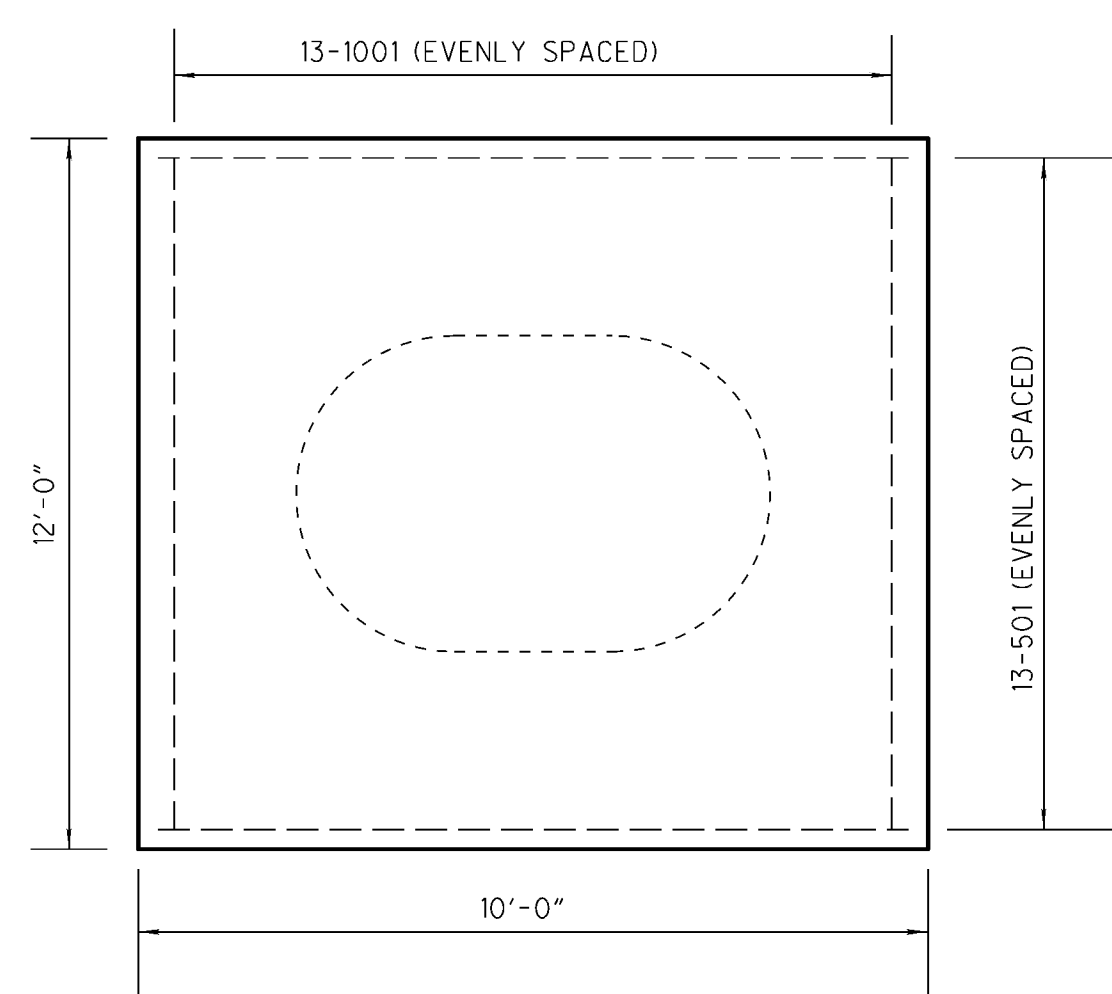
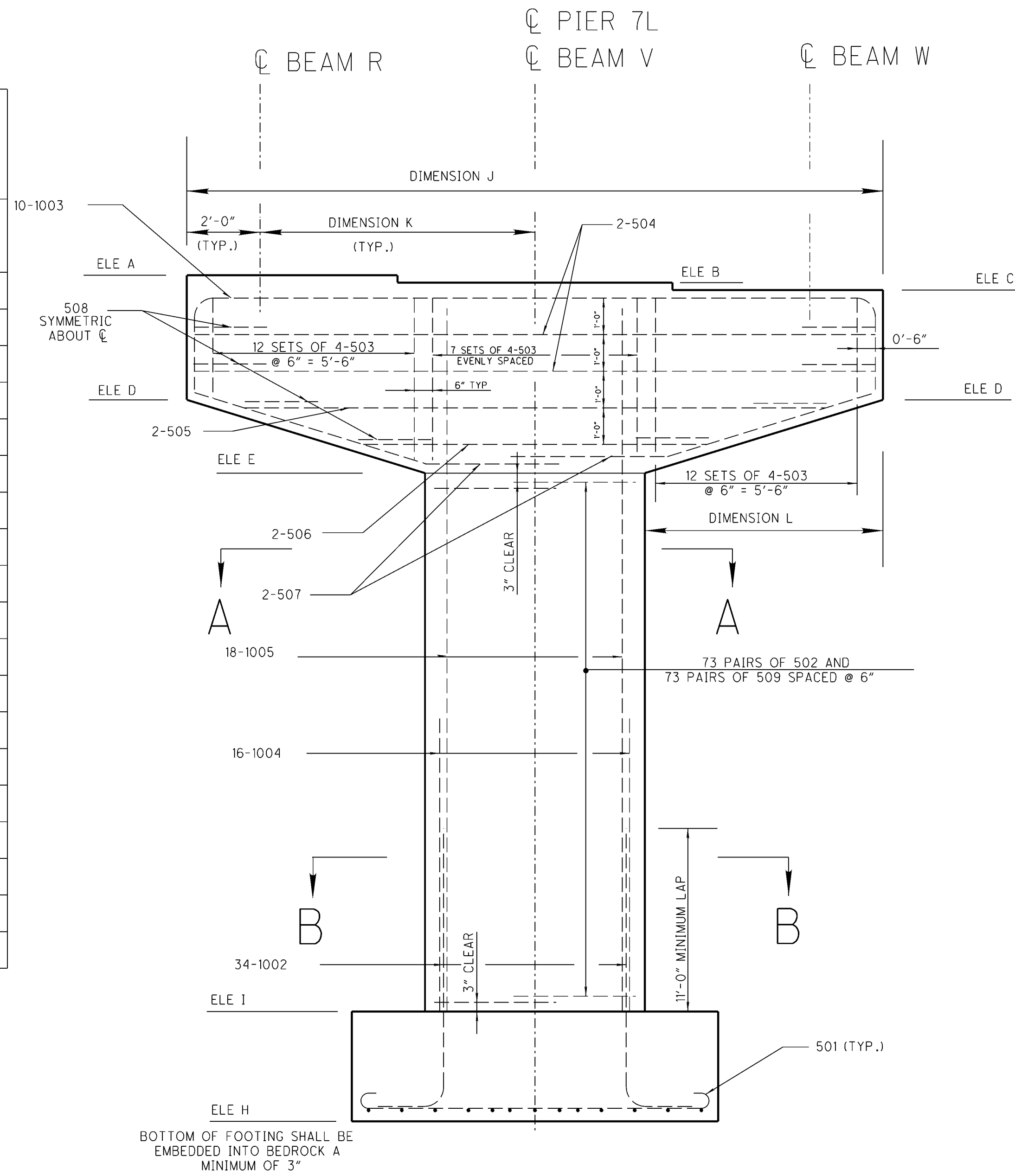
PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P7L	501	13	10'-7 $\frac{3}{4}$ "	7	9'-6"					
P7L	502	146	8'-7"	9	3'-4"	3'-6"				
P7L	503	124	7'-5 $\frac{1}{4}$ "	2	2'-9"	2'-2 $\frac{3}{8}$ "				
P7L	504	4	18'-7"	STR.						
P7L	505	2	15'-11 $\frac{1}{2}$ "	STR.						
P7L	506	2	9'-5 $\frac{1}{2}$ "	STR.						
P7L	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 $\frac{1}{2}$ "			
P7L	508	8	7'-3 $\frac{7}{8}$ "	2	2'-0"	3'-7"				
P7L	509	146	4'-8"	7	3'-6"					
P7L	1001	13	14'-4"	7	11'-6"					
P7L	1002	34	16'-2 $\frac{1}{2}$ "	1	1'-9 $\frac{5}{8}$ "	14'-8 $\frac{1}{2}$ "				
P7L	1003	10	22'-10 $\frac{1}{4}$ "	2	2'-6"	18'-5 $\frac{3}{4}$ "				
P7L	1004	16	19'-2 $\frac{1}{2}$ "	STR.						
P7L	1005	18	41'-0 $\frac{1}{2}$ "	STR.						

A	939.03
B	938.91
C	938.79
D	935.79
E	933.79
H	893.25
I	897.25
J	19'-0"
K	7'-6"
L	6'-6"

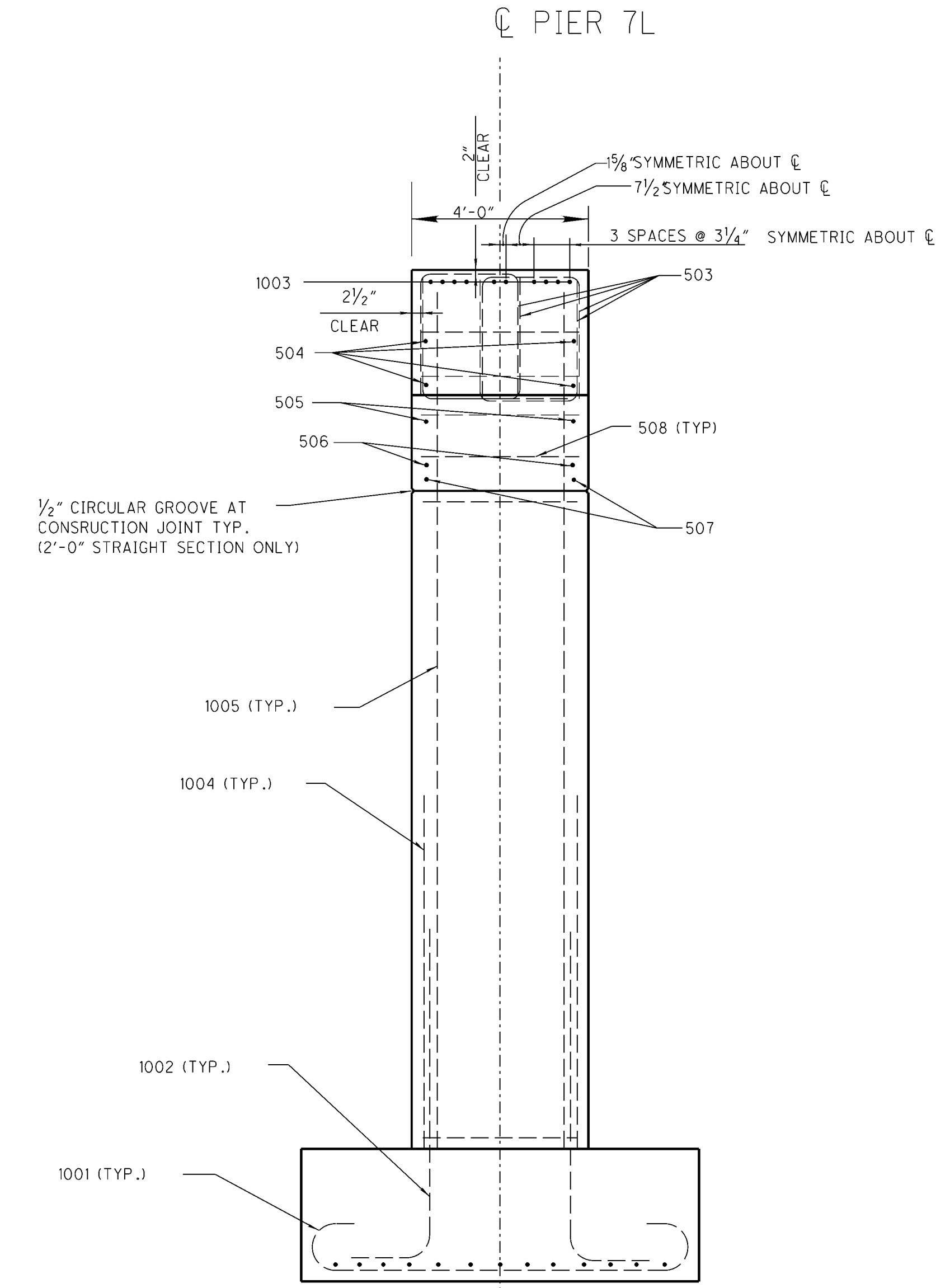


509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

SECTION A-A

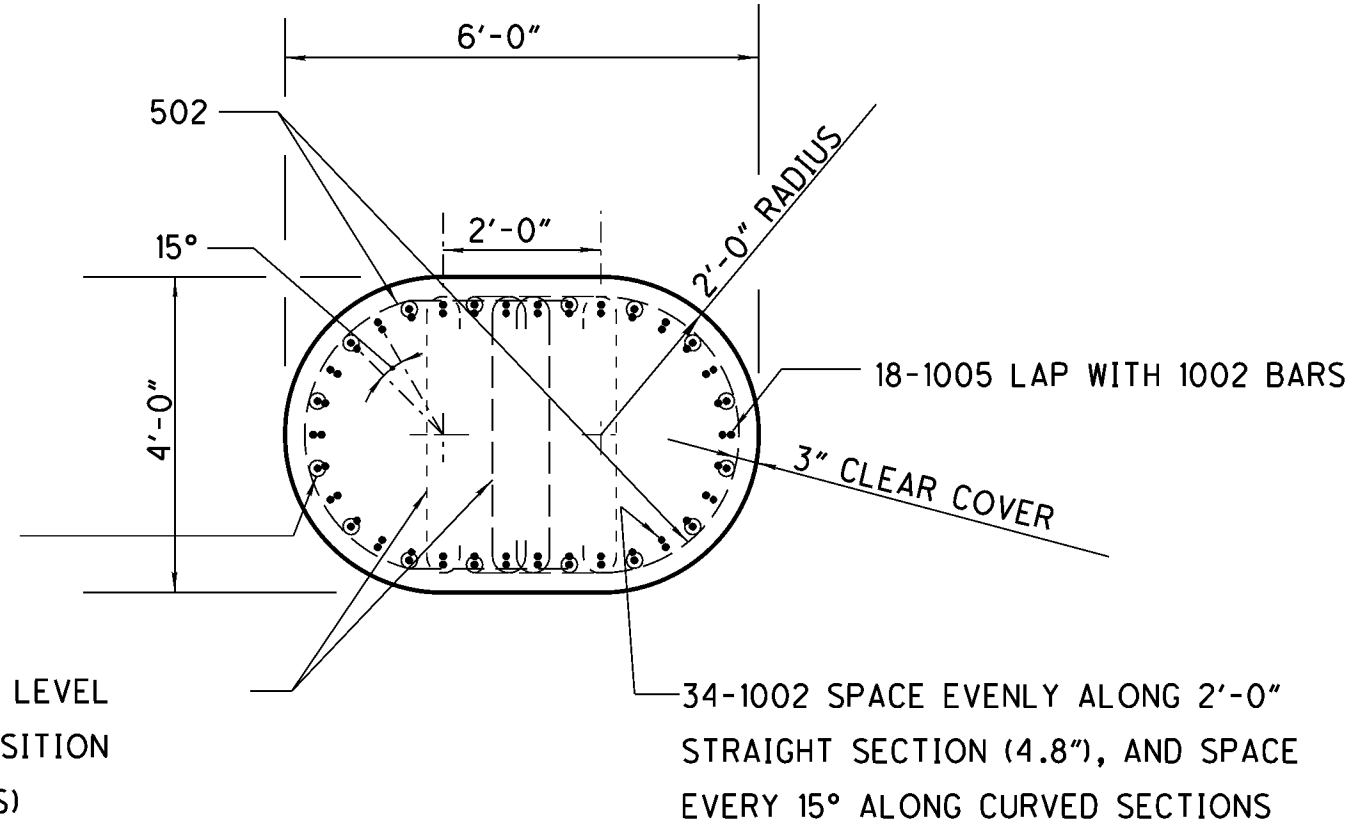


ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER

16-1004 LAP WITH 1002 BARS  
509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)



SECTION B-B

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

DATE  
REVIEWED  
STRUCTURE FILE NUMBER  
1810715

DRAWN  
MJM  
CHECKED  
NRC

CHANGE ORDER

PIER 7L DETAIL  
BRIDGE NO. CUY-271-0232L  
I-271 OVER TINKERS CREEK

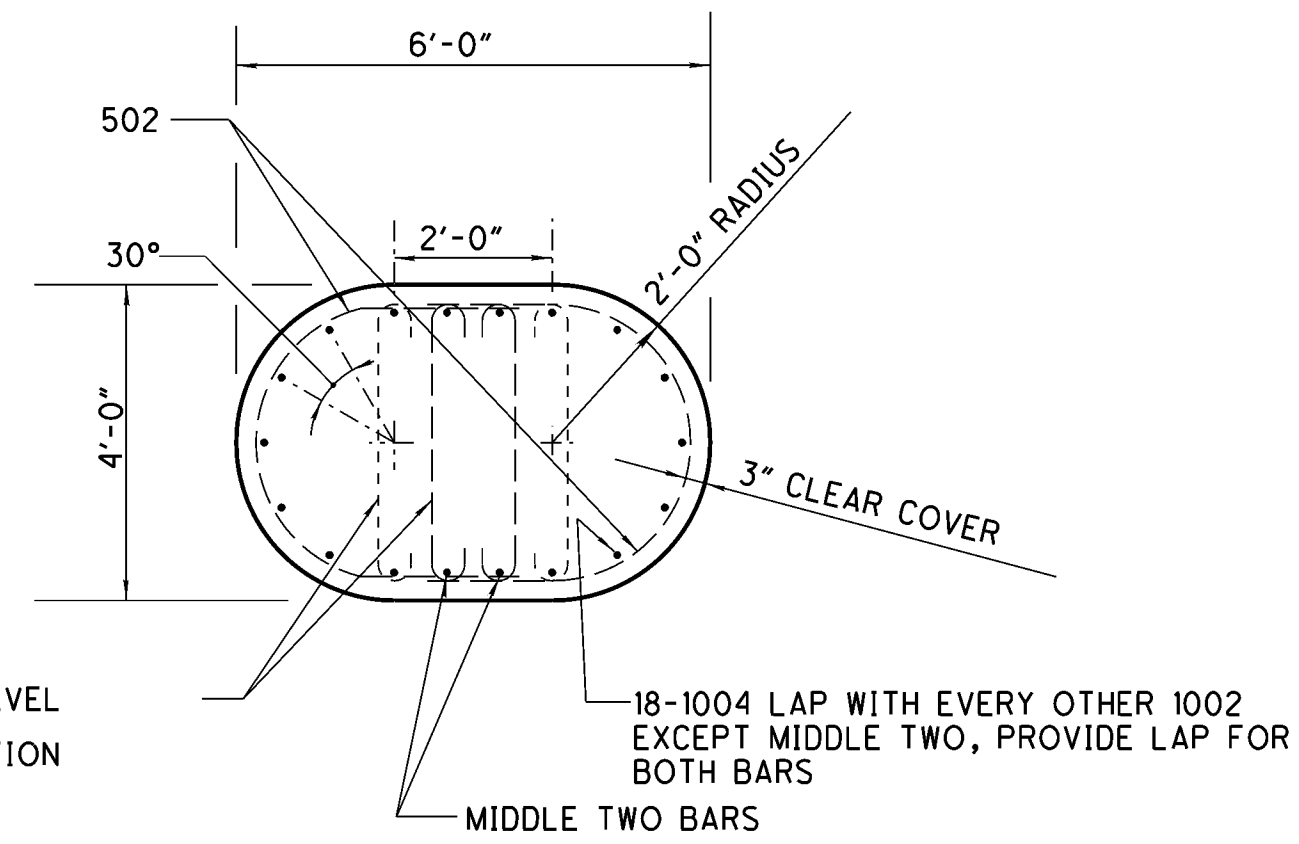
CUY-271-2.32

ADD THE PREFIX P8L BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

# PIER 8L

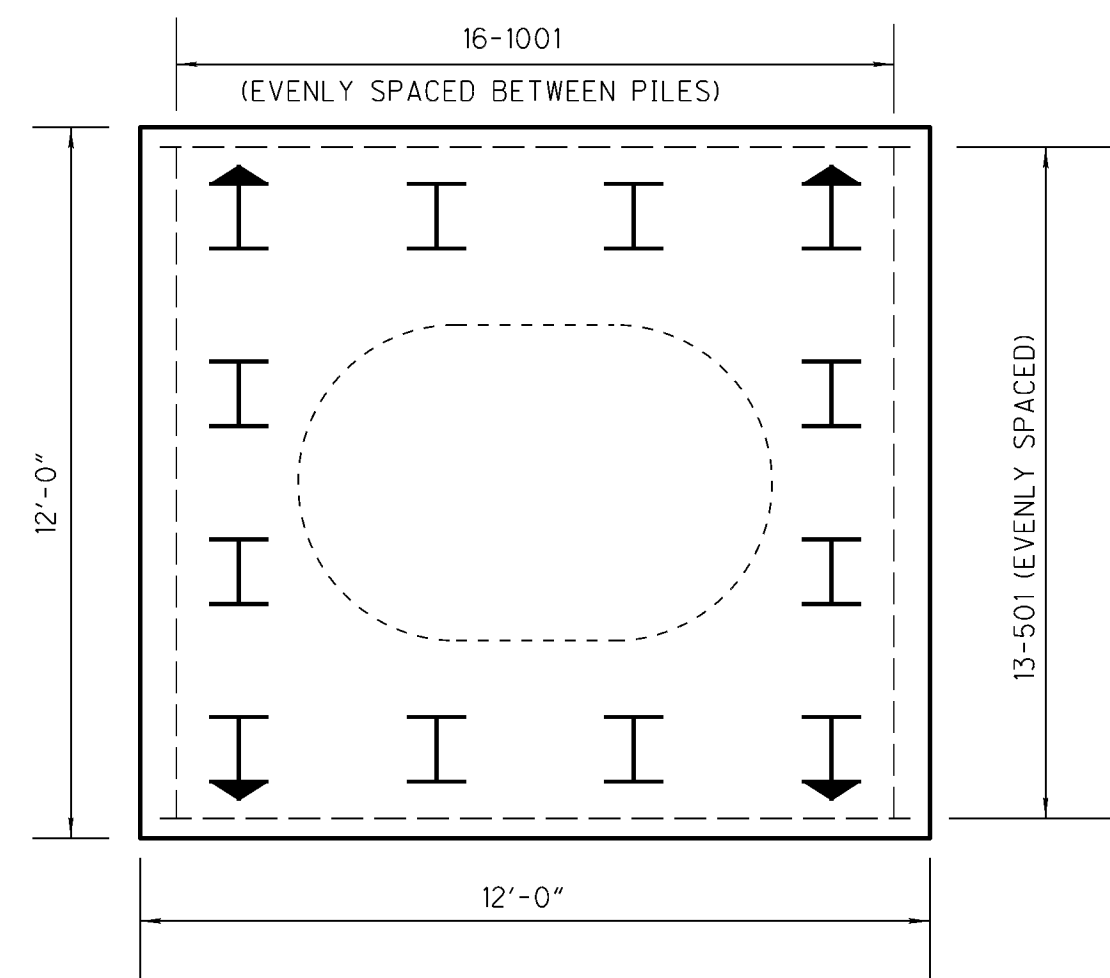
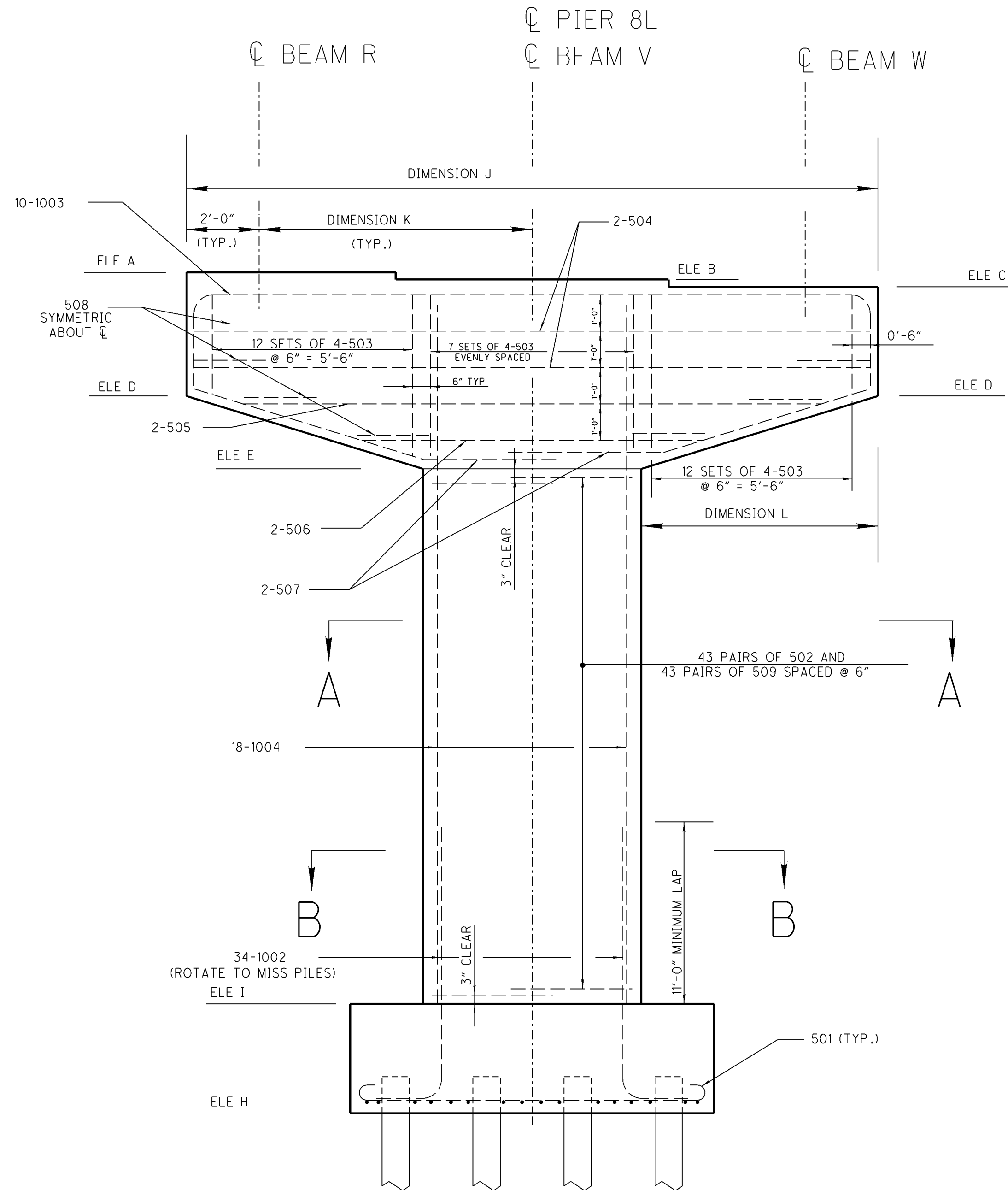
PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P8L	501	13	12'-8"	7	11'-6"					
P8L	502	86	8'-7"	9	3'-4"	3'-6"				
P8L	503	124	7'-5 1/4"	2	2'-9"	2'-2 3/8"				
P8L	504	4	18'-7"	STR.						
P8L	505	2	15'-11 1/2"	STR.						
P8L	506	2	9'-5 1/2"	STR.						
P8L	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 1/2"			
P8L	508	8	7'-3 3/8"	2	2'-0"	3'-7"				
P8L	509	86	4'-8"	7	3'-6"					
P8L	1001	16	14'-4"	7	11'-6"					
P8L	1002	34	16'-2 1/2"	1	1'-9 5/8"	14'-8 1/2"				
P8L	1003	10	22'-10 1/4"	2	2'-6"	18'-5 3/4"				
P8L	1004	18	26'-0 1/2"	STR.						

A	939.99
B	939.87
C	939.75
D	936.75
E	934.75
H	909.20
I	913.20
J	19'-0"
K	7'-6"
L	6'-6"

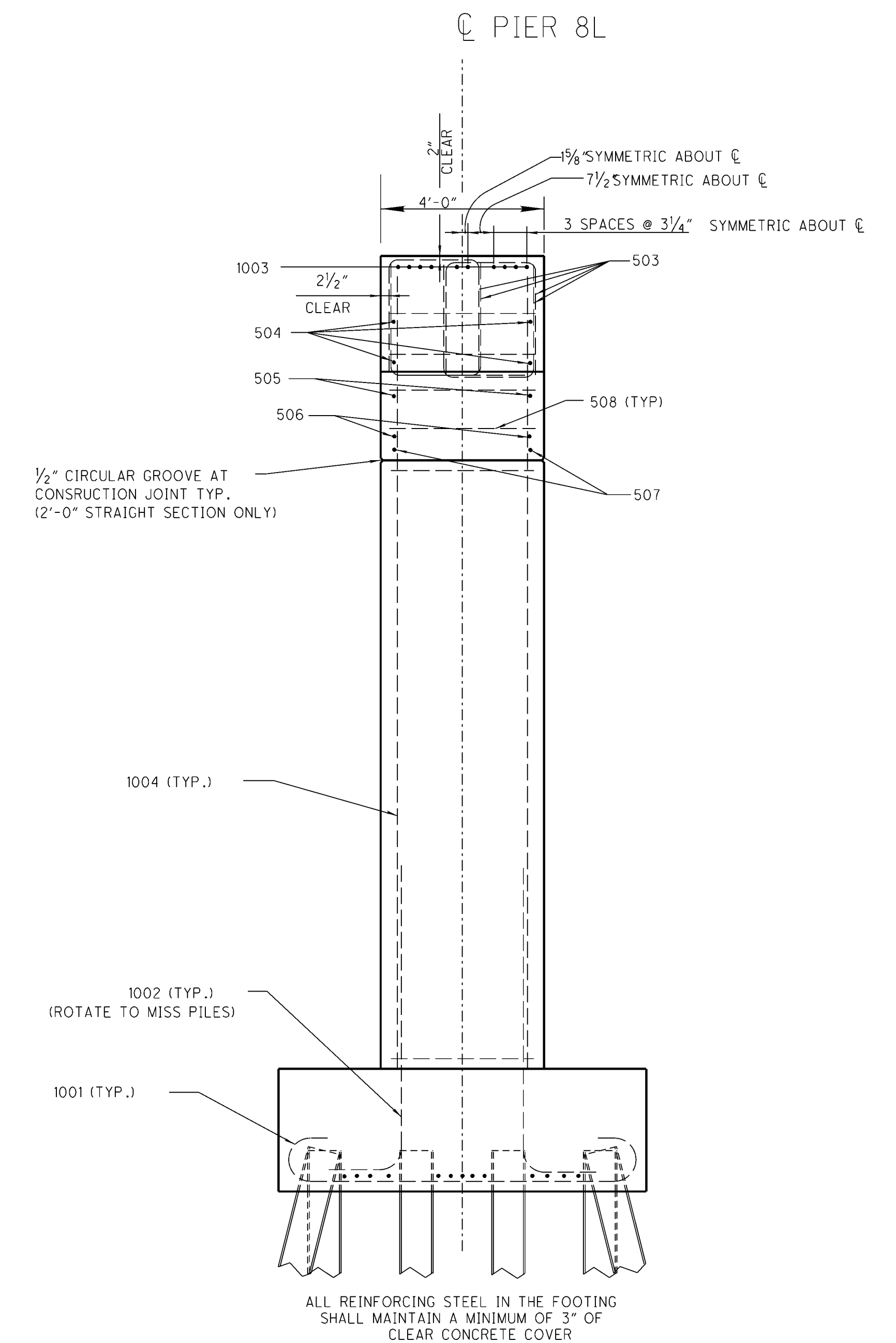


509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

SECTION A-A



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER



1/2" CIRCULAR GROOVE AT CONSTRUCTION JOINT TYP. (2'-0" STRAIGHT SECTION ONLY)

ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER

509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

34-1002 SPACE EVENLY ALONG 2'-0" STRAIGHT SECTION (4.8'), AND SPACE EVERY 15° ALONG CURVED SECTIONS

SECTION B-B

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

DATE  
REVIEWED  
STRUCTURE FILE NUMBER  
1810715

DRAWN  
MJM  
REVISIONS

DESIGNED  
MJM  
CHECKED  
NRC

CHANGE ORDER

PIER 8L DETAIL  
BRIDGE NO. CUY-271-0232L  
I-271 OVER TINKERS CREEK

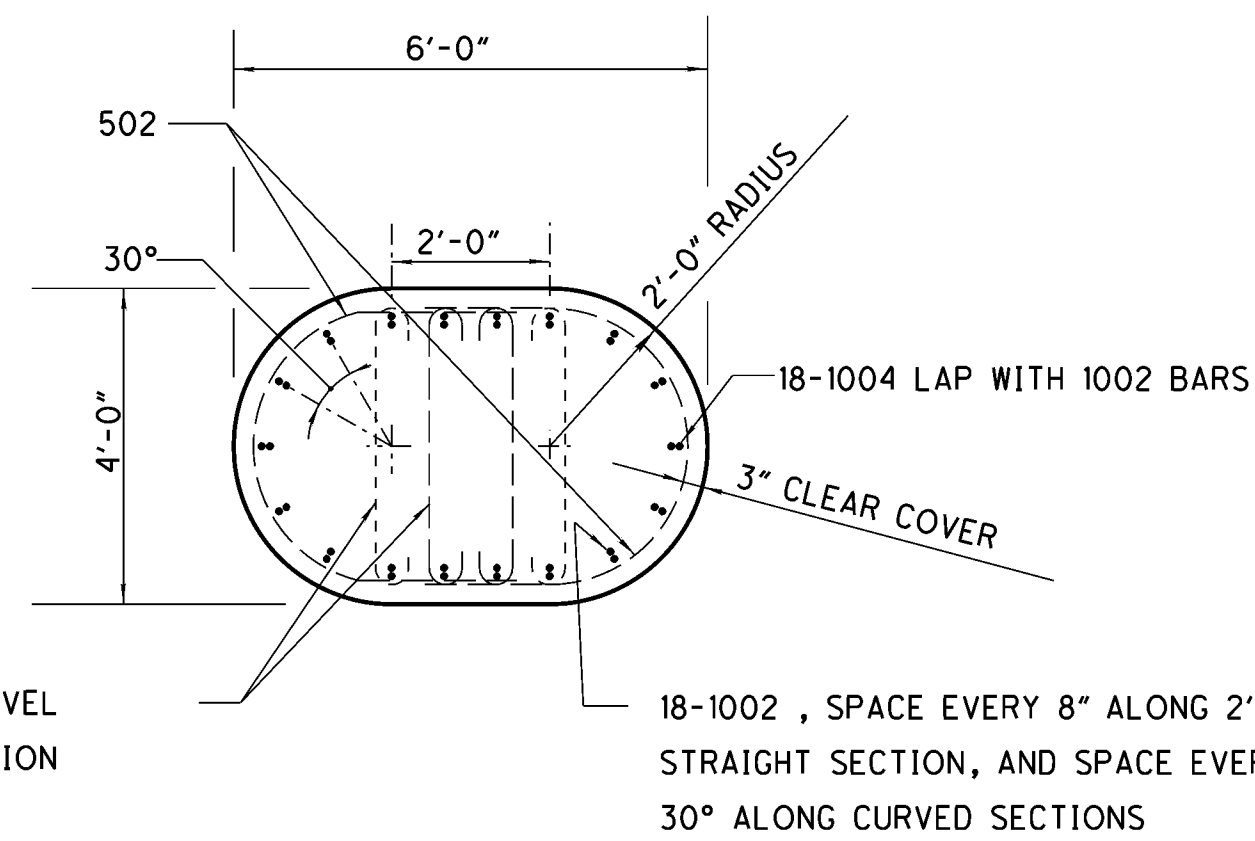
CUY-271-2.32

21P

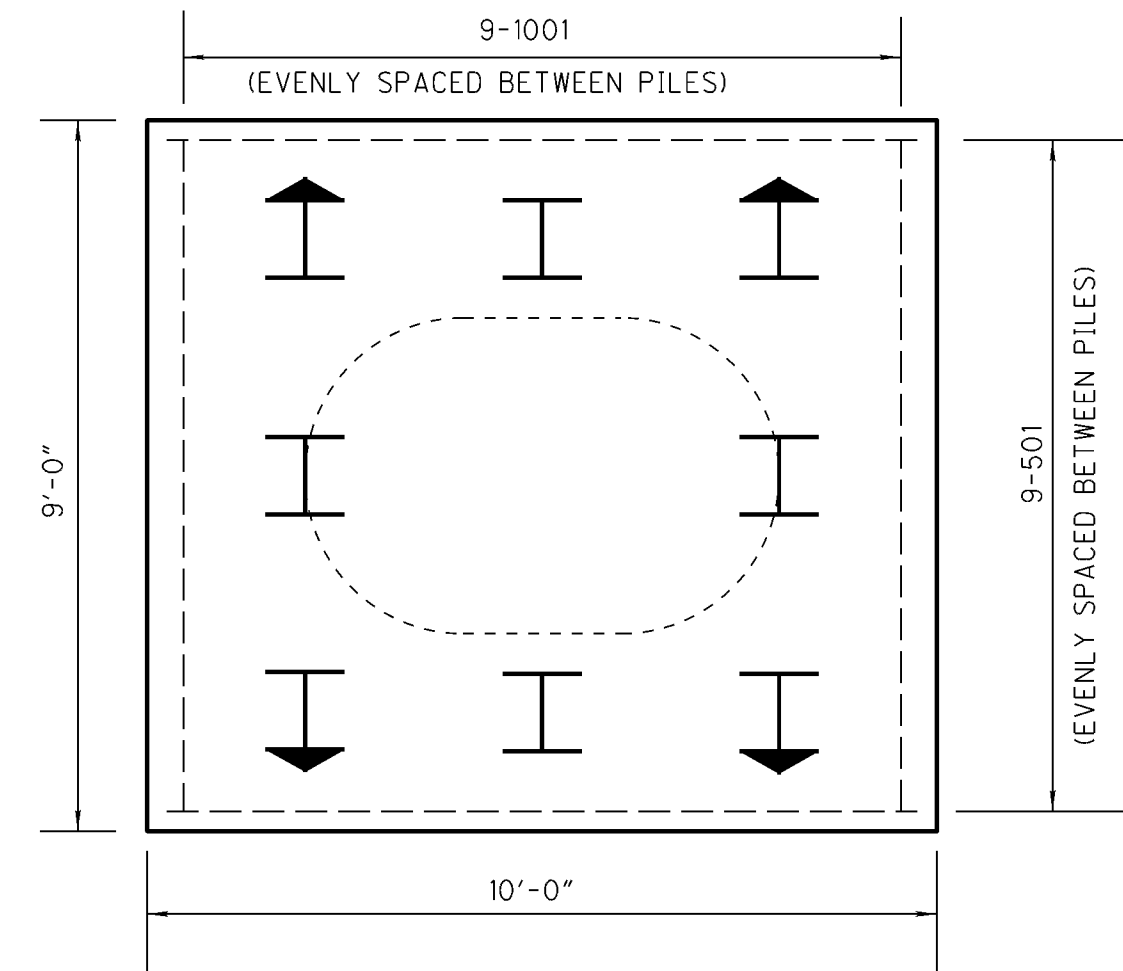
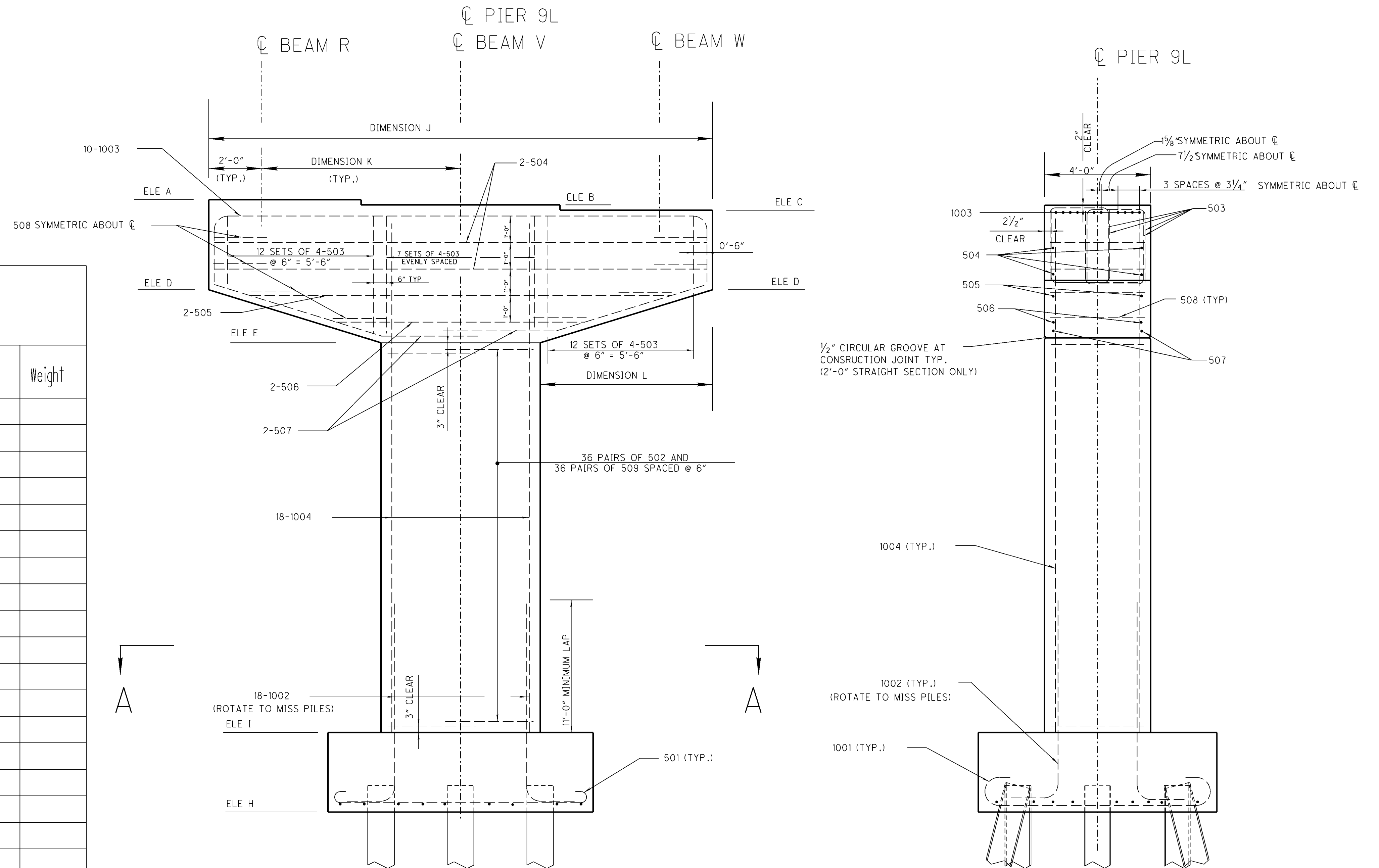
ADD THE PREFIX P9L BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

### PIER 9L

PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P9L	501	9	10'-7 <sup>3</sup> / <sub>4</sub> "	7	9'-6"					
P9L	502	72	8'-7"	9	3'-4"	3'-6"				
P9L	503	124	7'-5 <sup>1</sup> / <sub>4</sub> "	2	2'-9"	2'-2 <sup>3</sup> / <sub>8</sub> "				
P9L	504	4	18'-7"	STR.						
P9L	505	2	15'-11 <sup>1</sup> / <sub>2</sub> "	STR.						
P9L	506	2	9'-5 <sup>1</sup> / <sub>2</sub> "	STR.						
P9L	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 <sup>1</sup> / <sub>2</sub> "			
P9L	508	8	7'-3 <sup>3</sup> / <sub>8</sub> "	2	2'-0"	3'-7"				
P9L	509	72	4'-8"	7	3'-6"					
P9L	1001	9	11'-4"	7	8'-6"					
P9L	1002	18	16'-2 <sup>1</sup> / <sub>2</sub> "	1	1'-9 <sup>5</sup> / <sub>8</sub> "	14'-8 <sup>1</sup> / <sub>2</sub> "				
P9L	1003	10	22'-10 <sup>1</sup> / <sub>4</sub> "	2	2'-6"	18'-5 <sup>3</sup> / <sub>4</sub> "				
P9L	1004	18	22'-8"	STR.						



### SECTION A-A



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER

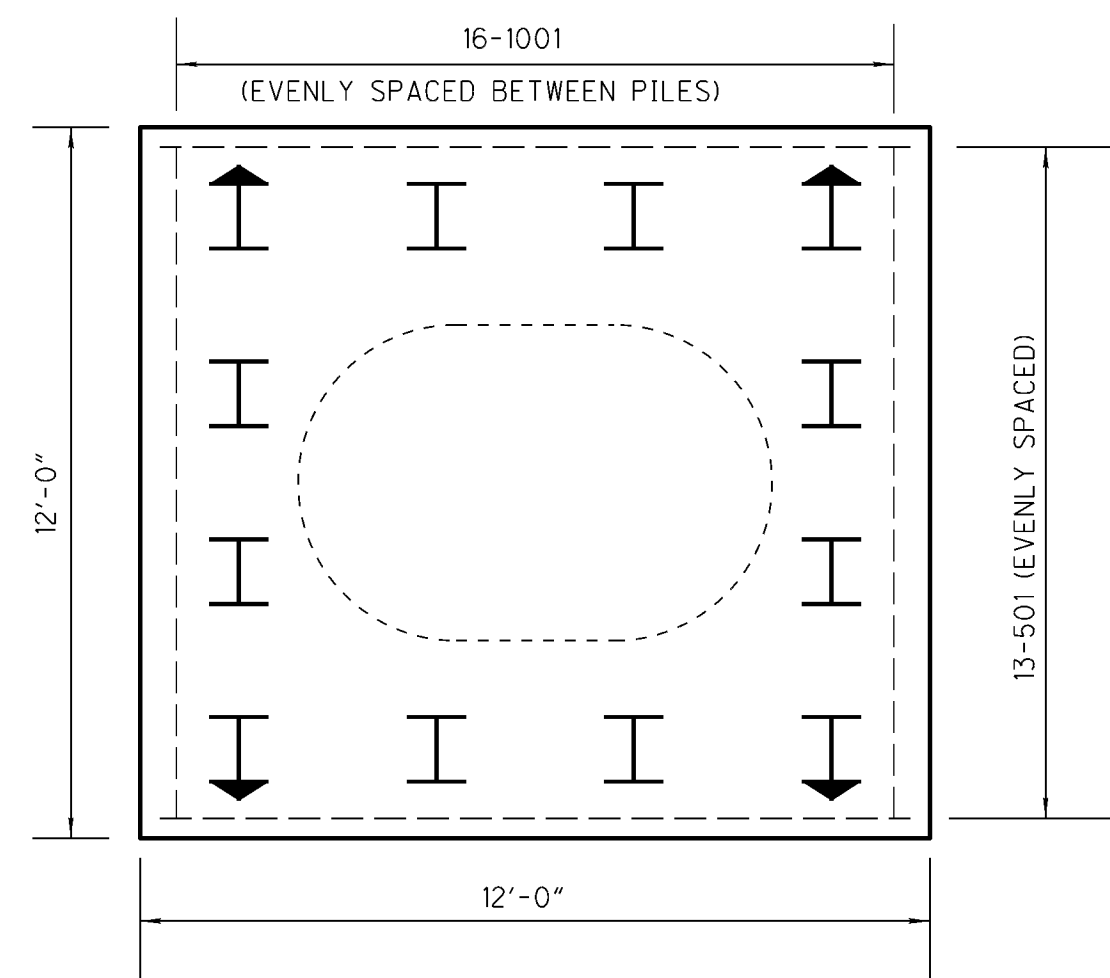
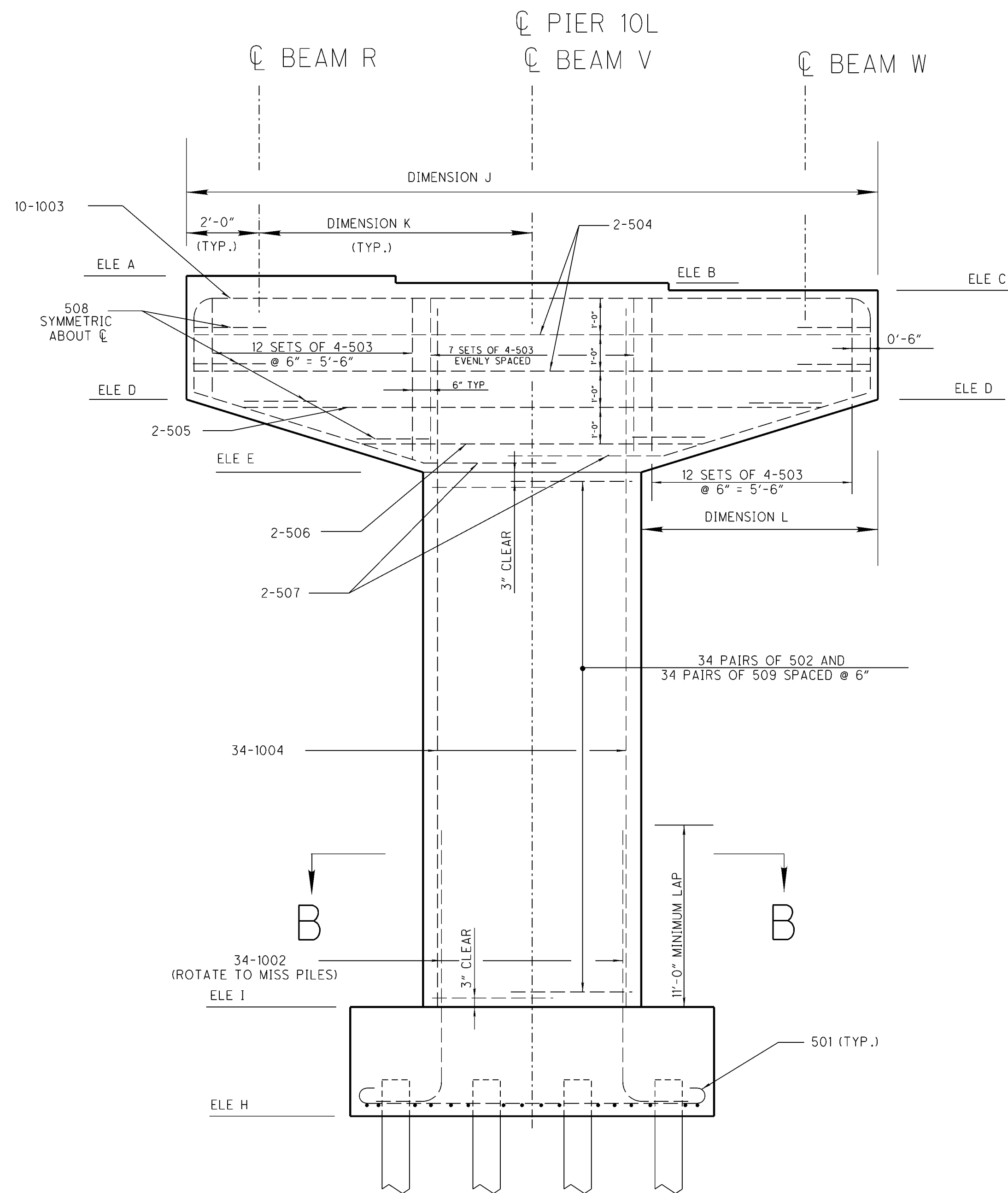
A	941.31
B	941.91
C	941.07
D	938.07
E	936.07
H	914.90
I	917.90
J	19'-0"
K	7'-6"
L	6'-6"

ADD THE PREFIX P10L BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

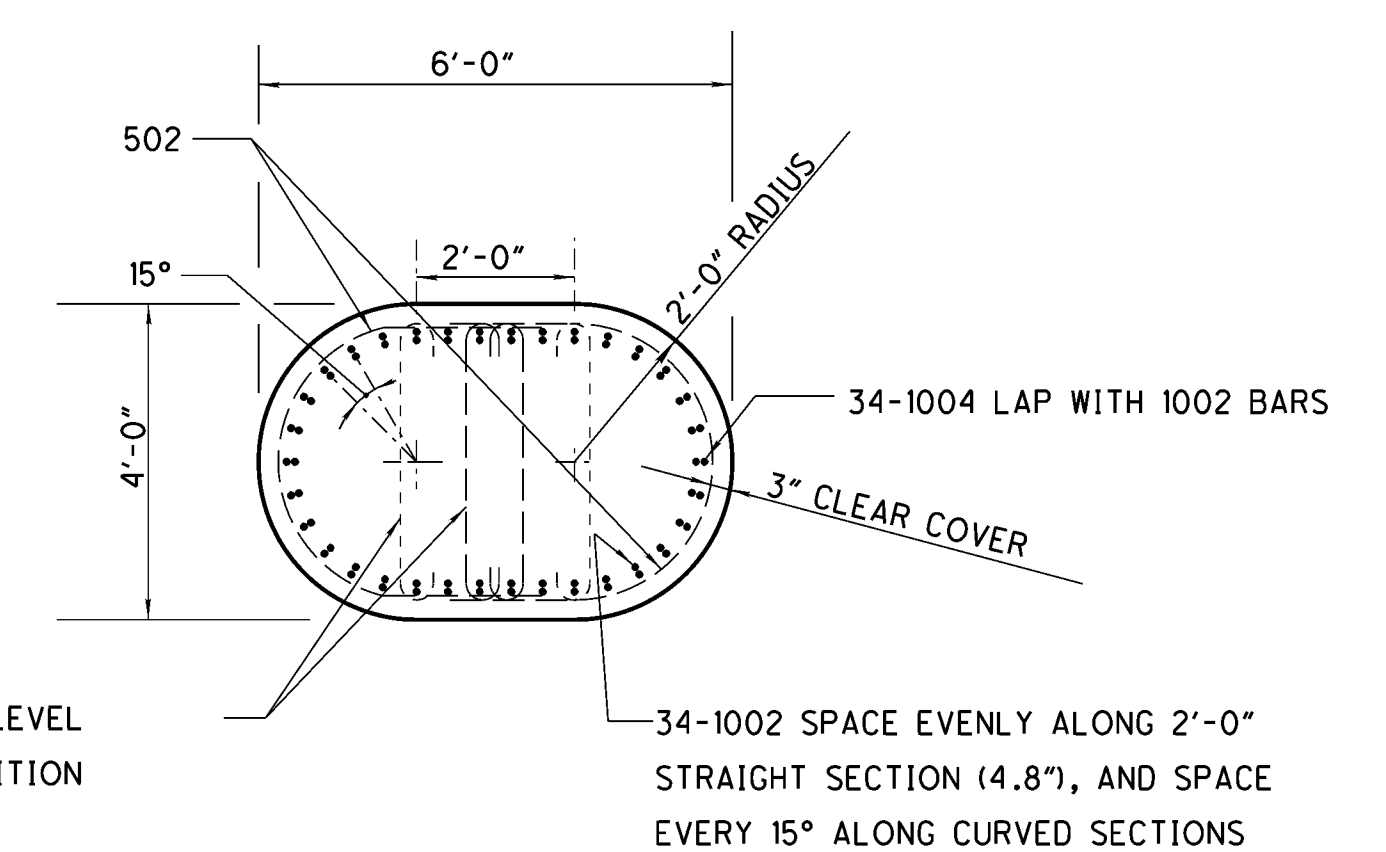
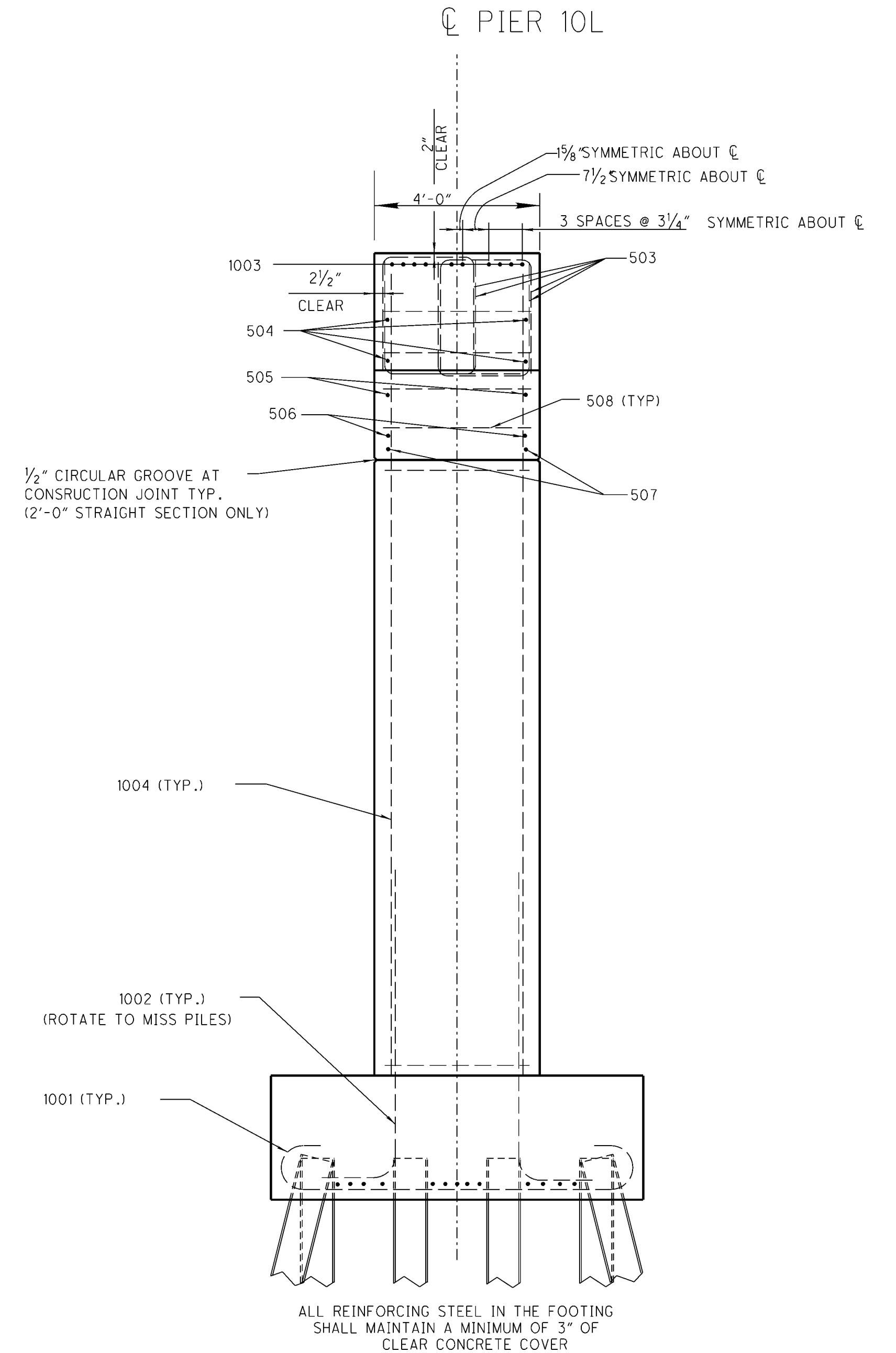
# PIER 10L

PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P10L	501	13	12'-8"	7	11'-6"					
P10L	502	68	8'-7"	9	3'-4"	3'-6"				
P10L	503	124	7'-5 1/4"	2	2'-9"	2'-2 3/8"				
P10L	504	4	18'-7"	STR.						
P10L	505	2	15'-11 1/2"	STR.						
P10L	506	2	9'-5 1/2"	STR.						
P10L	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 1/2"			
P10L	508	8	7'-3 1/8"	2	2'-0"	3'-7"				
P10L	509	68	4'-8"	7	3'-6"					
P10L	1001	16	14'-4"	7	11'-6"					
P10L	1002	34	16'-2 1/2"	1	1'-9 5/8"	14'-8 1/2"				
P10L	1003	10	22'-10 1/4"	2	2'-6"	18'-5 3/4"				
P10L	1004	34	21'-8 1/4"	STR.						

A	943.93
B	943.81
C	943.69
D	940.69
E	938.69
H	917.5
I	921.5
J	19'-0"
K	7'-6"
L	6'-6"



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER



509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

## SECTION B-B

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

DATE  
STRUCTURE FILE NUMBER  
1810715

DESIGNED  
MJM  
CHECKED  
NRC

CHANGE ORDER

PIER 10L DETAIL  
BRIDGE NO. CUY-271-0232L  
I-271 OVER TINKERS CREEK

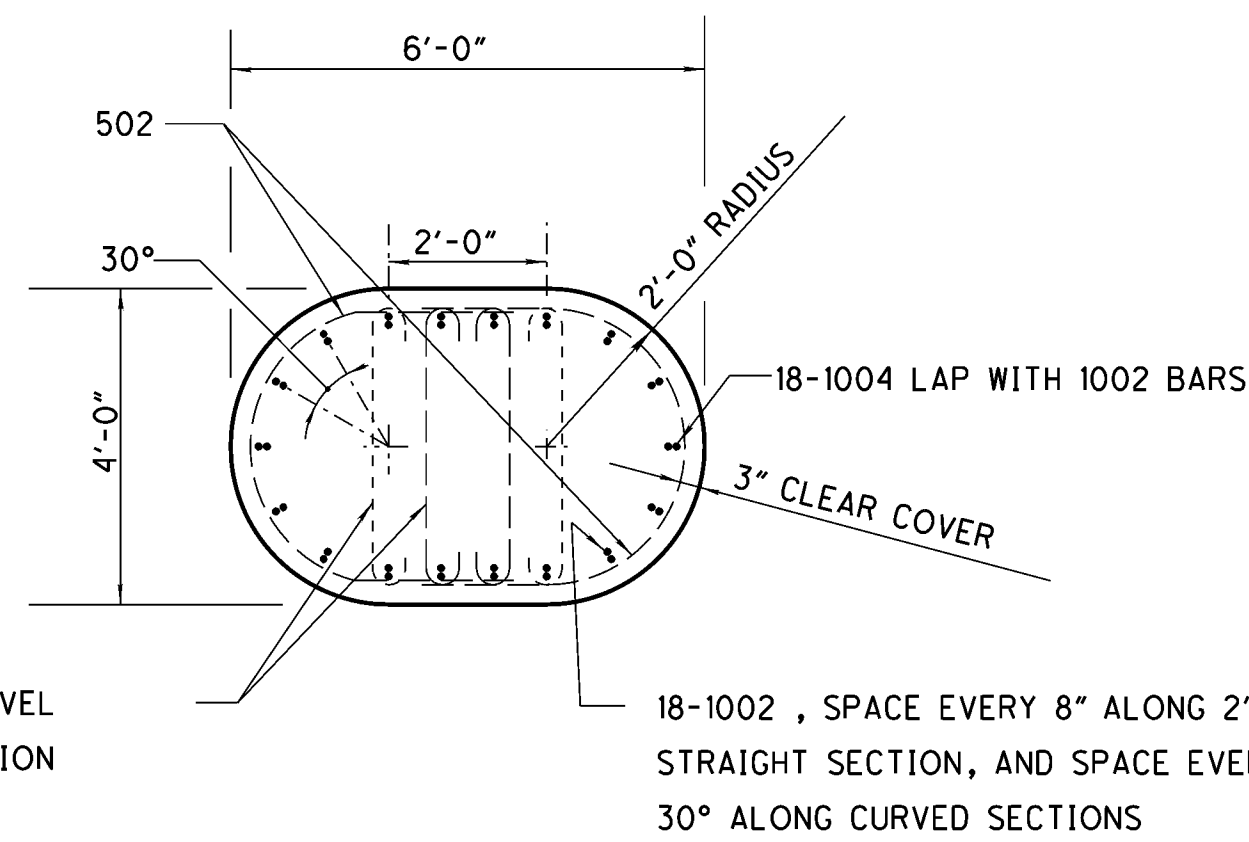
CUY-271-2.32



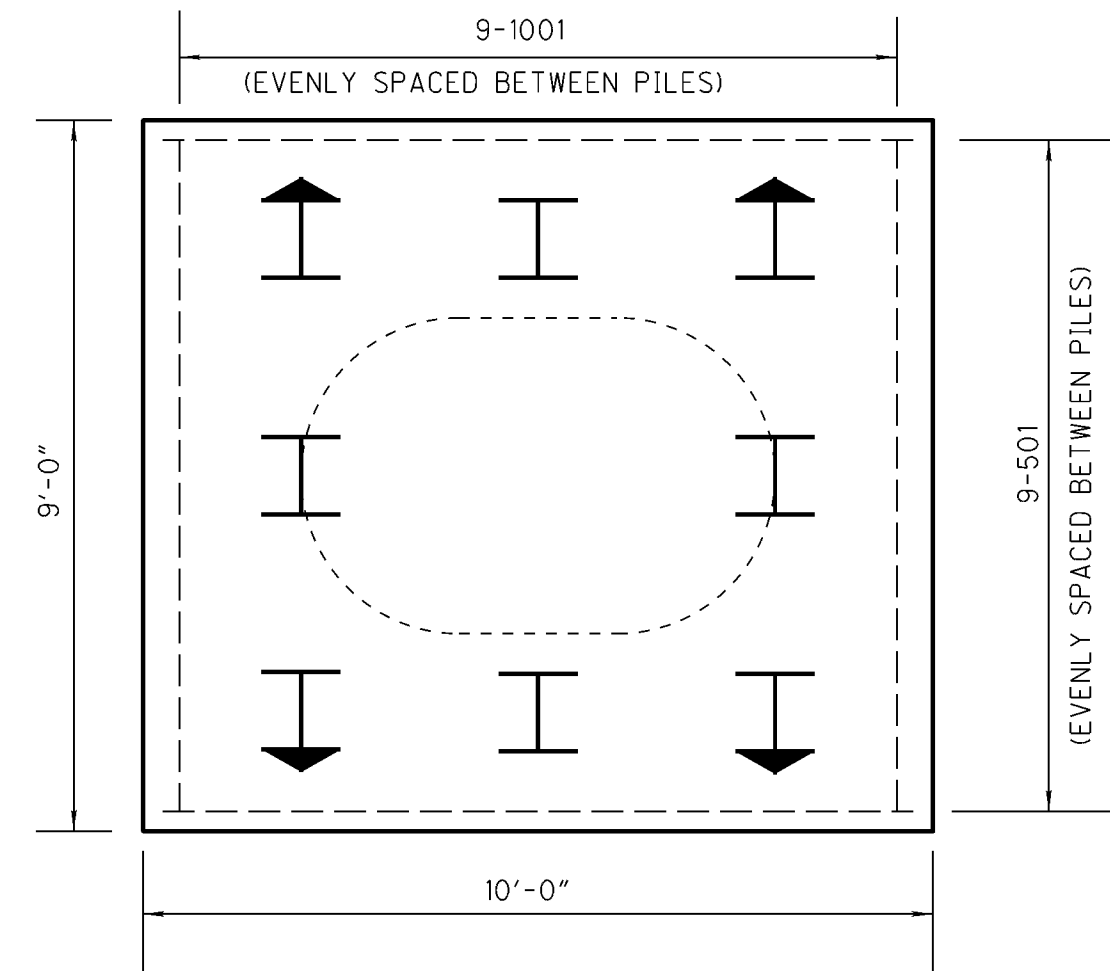
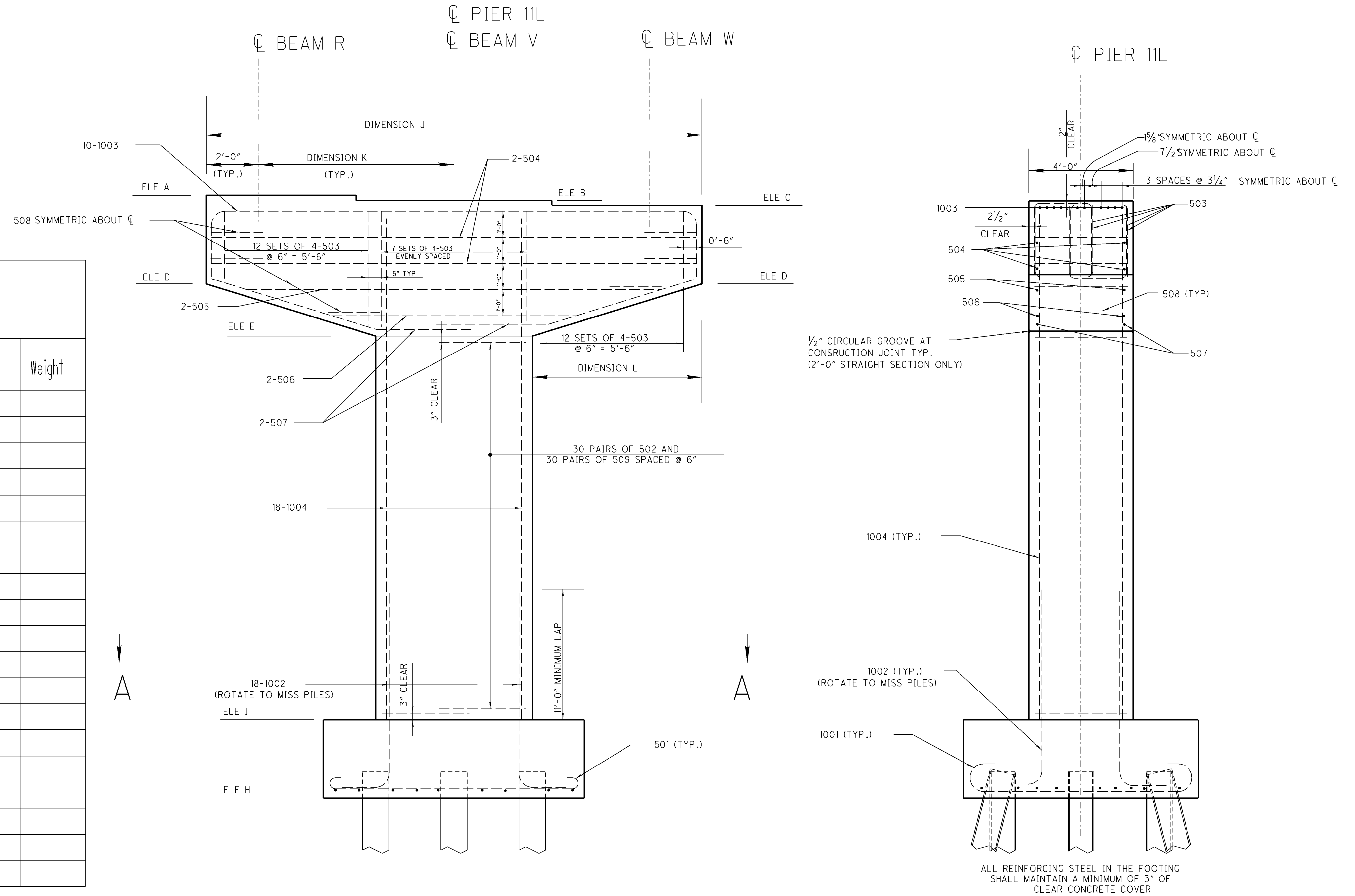
ADD THE PREFIX P11L BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

# PIER 11L

PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P11L	501	9	10'-7 $\frac{3}{4}$ "	7	9'-6"					
P11L	502	60	8'-7"	9	3'-4"	3'-6"				
P11L	503	124	7'-5 $\frac{1}{4}$ "	2	2'-9"	2'-2 $\frac{3}{8}$ "				
P11L	504	4	18'-7"	STR.						
P11L	505	2	15'-11 $\frac{1}{2}$ "	STR.						
P11L	506	2	9'-5 $\frac{1}{2}$ "	STR.						
P11L	507	4	10'-3"	36	3'-8"	6'-7"	6'-3 $\frac{1}{2}$ "			
P11L	508	8	7'-3 $\frac{3}{8}$ "	2	2'-0"	3'-7"				
P11L	509	60	4'-8"	7	3'-6"					
P11L	1001	9	11'-4"	7	8'-6"					
P11L	1002	18	16'-2 $\frac{1}{2}$ "	1	1'-9 $\frac{3}{8}$ "	14'-8 $\frac{1}{2}$ "				
P11L	1003	10	22'-10 $\frac{1}{4}$ "	2	2'-6"	18'-5 $\frac{1}{4}$ "				
P11L	1004	18	19'-3 $\frac{3}{4}$ "	STR.						



## SECTION A-A

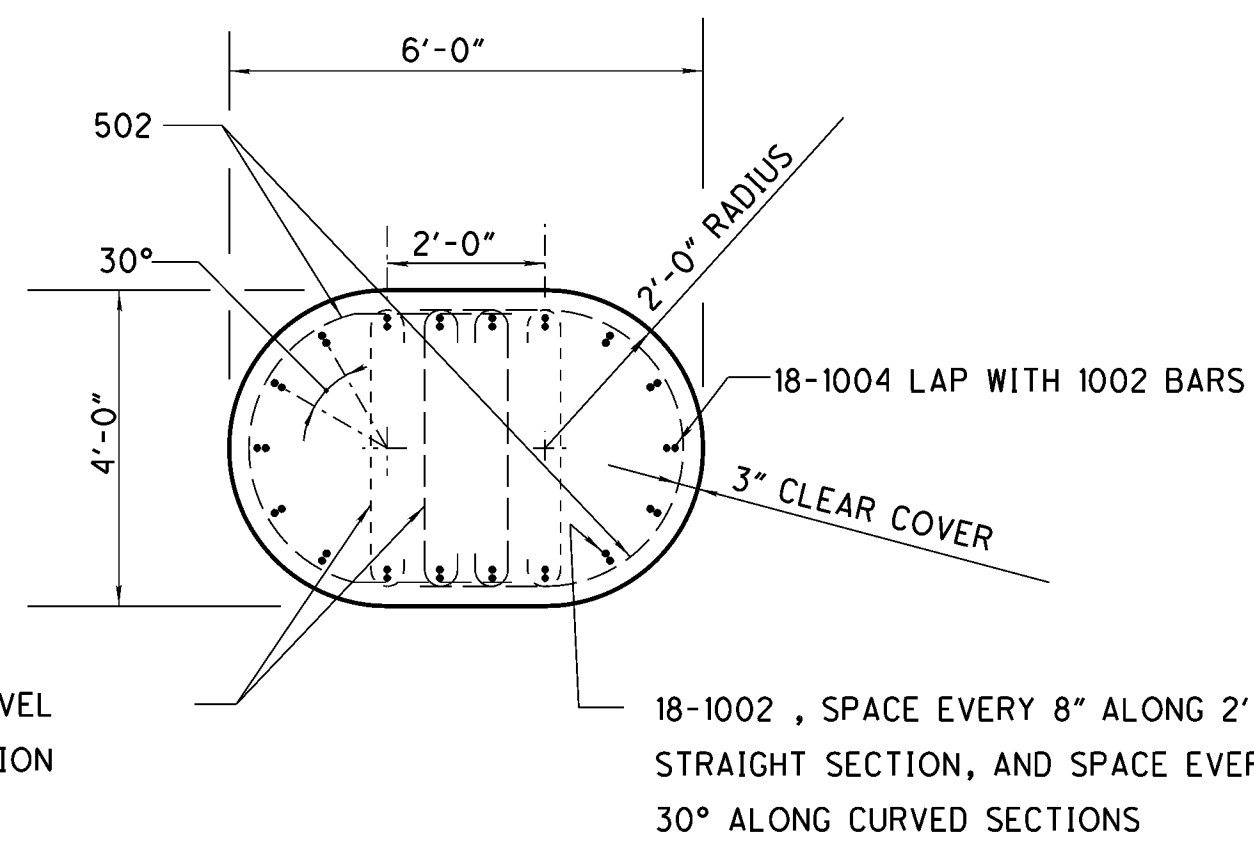


A	944.97
B	944.81
C	944.69
D	941.69
E	939.69
H	921.90
I	924.90
J	19'-0"
K	7'-6"
L	6'-6"

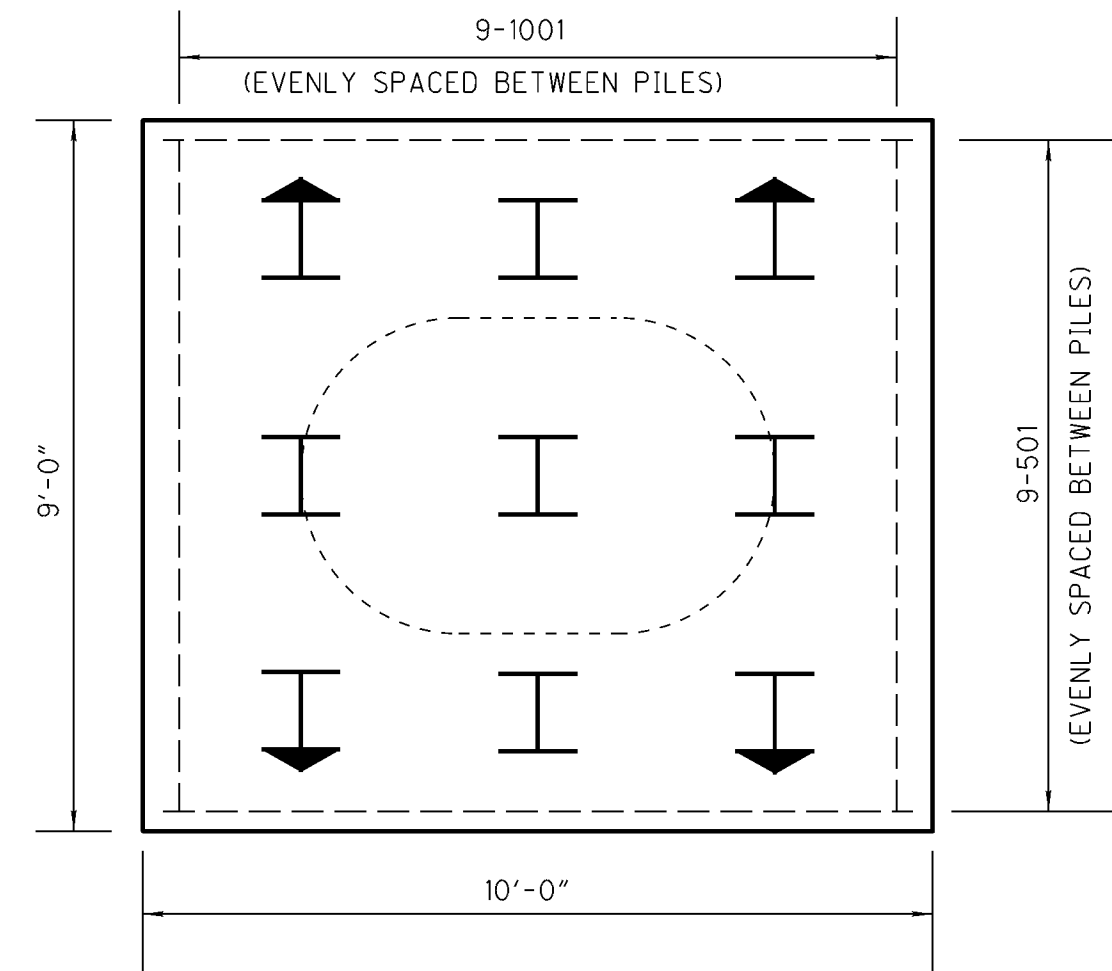
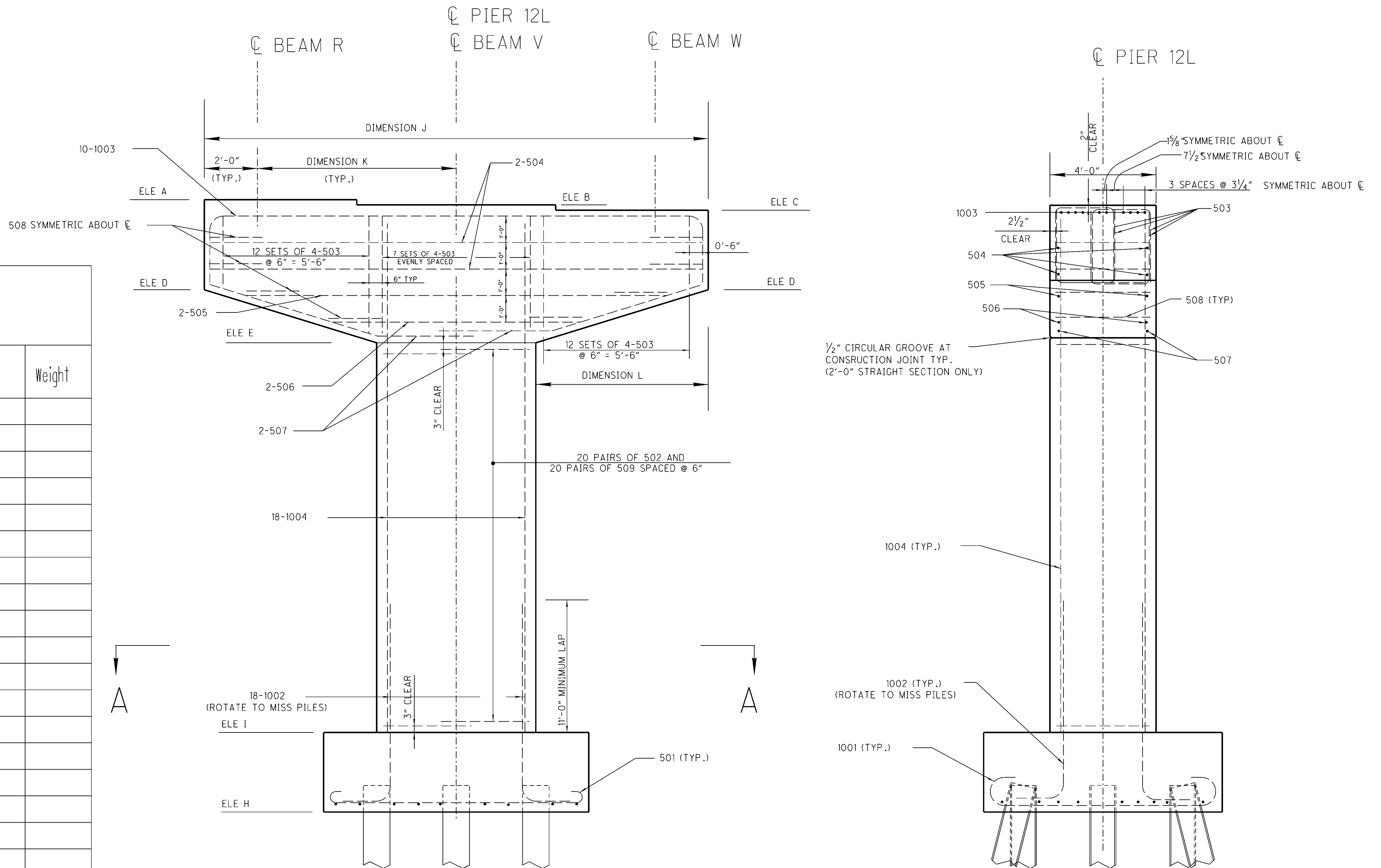
ADD THE PREFIX P12L BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

# PIER 12L

PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P12L	501	9	10'-7 <sup>3</sup> / <sub>4</sub> "	7	9'-6"					
P12L	502	40	8'-7"	9	3'-4"	3'-6"				
P12L	503	124	7'-5 <sup>1</sup> / <sub>4</sub> "	2	2'-9"	2'-2 <sup>3</sup> / <sub>8</sub> "				
P12L	504	4	19'-0 <sup>5</sup> / <sub>16</sub> "	STR.						
P12L	505	2	16'-5 <sup>7</sup> / <sub>16</sub> "	STR.						
P12L	506	2	9'-11 <sup>1</sup> / <sub>16</sub> "	STR.						
P12L	507	4	10'-5 <sup>1</sup> / <sub>2</sub> "	36	3'-8"	6'-9 <sup>1</sup> / <sub>2</sub> "	6'-6 <sup>1</sup> / <sub>8</sub> "			
P12L	508	8	7'-3 <sup>3</sup> / <sub>8</sub> "	2	2'-0"	3'-7"				
P12L	509	40	4'-8"	7	3'-6"					
P12L	1001	9	11'-4"	7	8'-6"					
P12L	1002	18	16'-2 <sup>1</sup> / <sub>2</sub> "	1	7'-9 <sup>5</sup> / <sub>8</sub> "	14'-8 <sup>1</sup> / <sub>2</sub> "				
P12L	1003	10	23'-3 <sup>3</sup> / <sub>4</sub> "	2	2'-6"	18'-11 <sup>1</sup> / <sub>4</sub> "				
P12L	1004	18	14'-5 <sup>1</sup> / <sub>2</sub> "	STR.						



## SECTION A-A



ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER

A	946.13
B	946.04
C	945.96
D	942.96
E	940.96
H	928.00
I	931.00
J	19'-5 <sup>15</sup> / <sub>16</sub> "
K	7'-8 <sup>5</sup> / <sub>8</sub> "
L	6'-8 <sup>5</sup> / <sub>8</sub> "

DESIGN AGENCY  
**ODOT**  
DISTRICT 12  
PRODUCTION

DATE  
REVISION  
DRAWN  
DESIGNED

**MJM**  
**MJM**

STRUCTURE FILE NUMBER  
CHECKED

**1810715**  
**NRC**

**CHANGE ORDER**

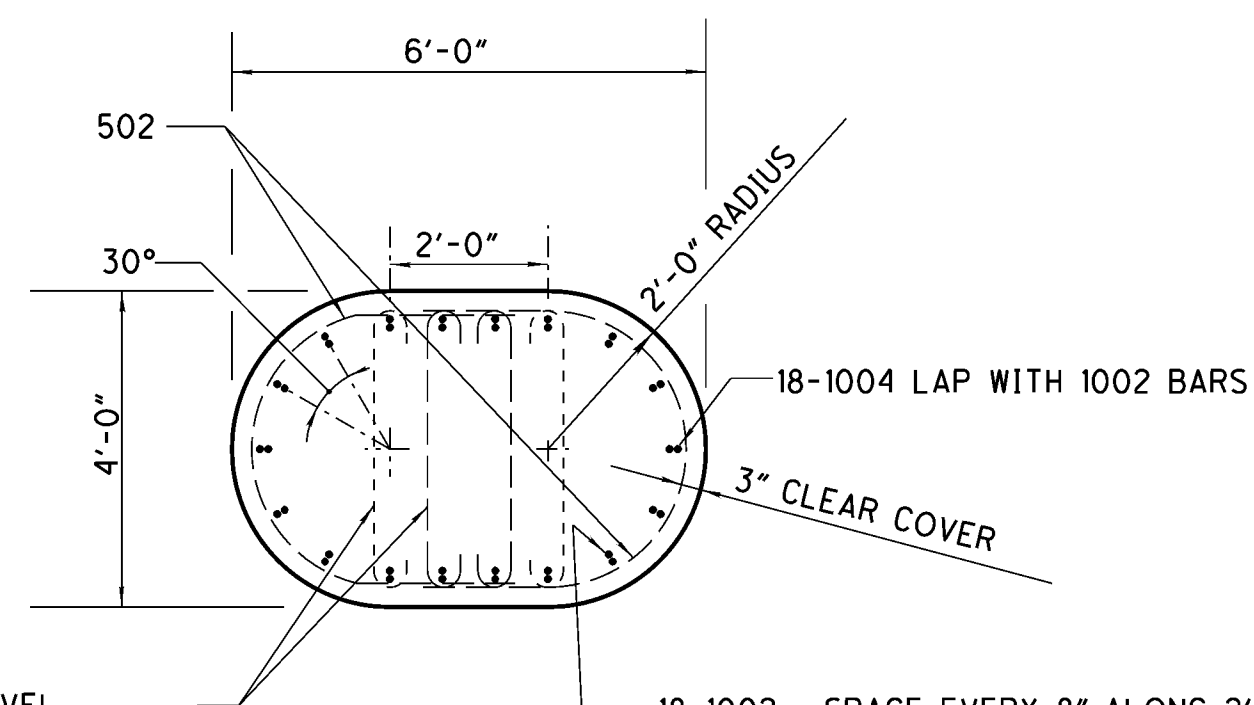
PIER 12L DETAIL  
BRIDGE NO. CUY-271-0232L  
I-271 OVER TINKERS CREEK

CUY-271-2.32

ADD THE PREFIX P13L BEFORE ALL BARS LISTED ON THIS SHEET  
ALL BARS SHALL BE EPOXY COATED

# PIER 13L

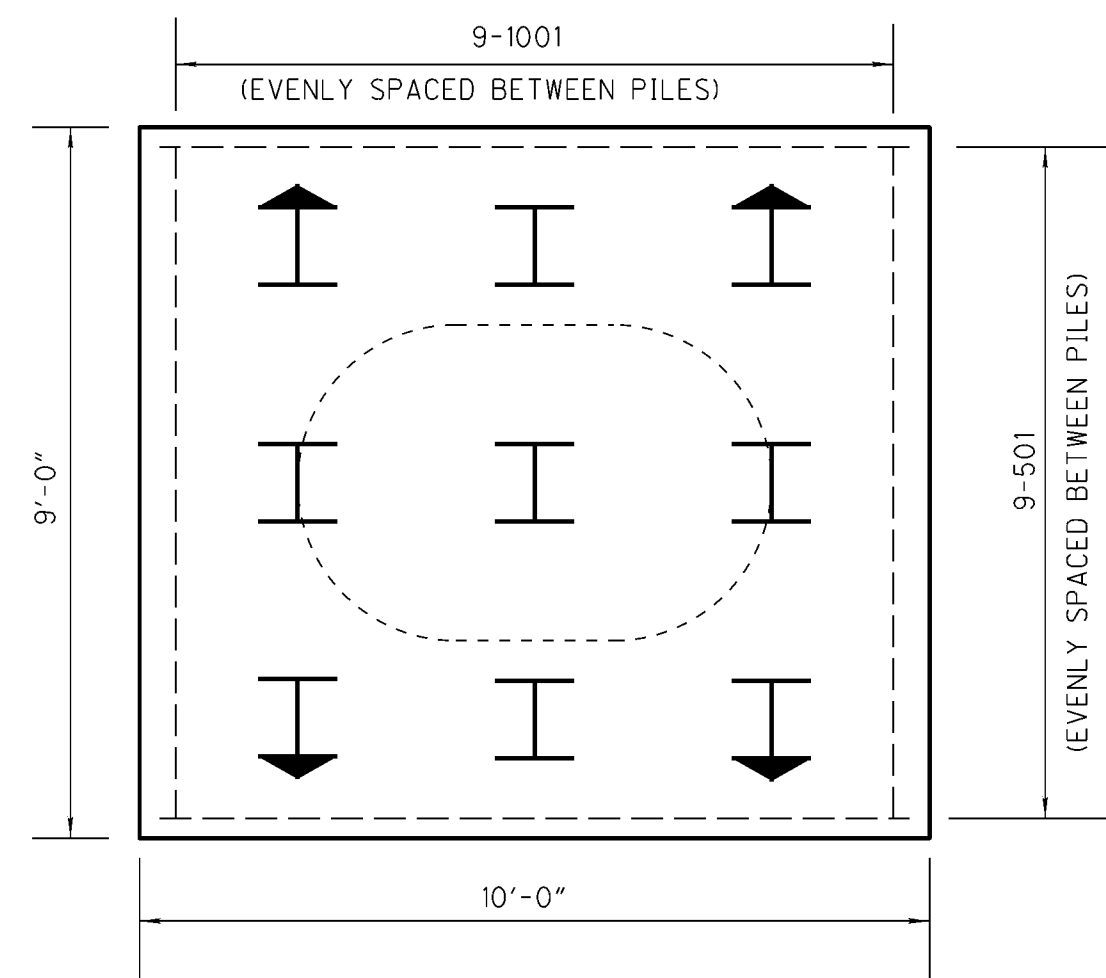
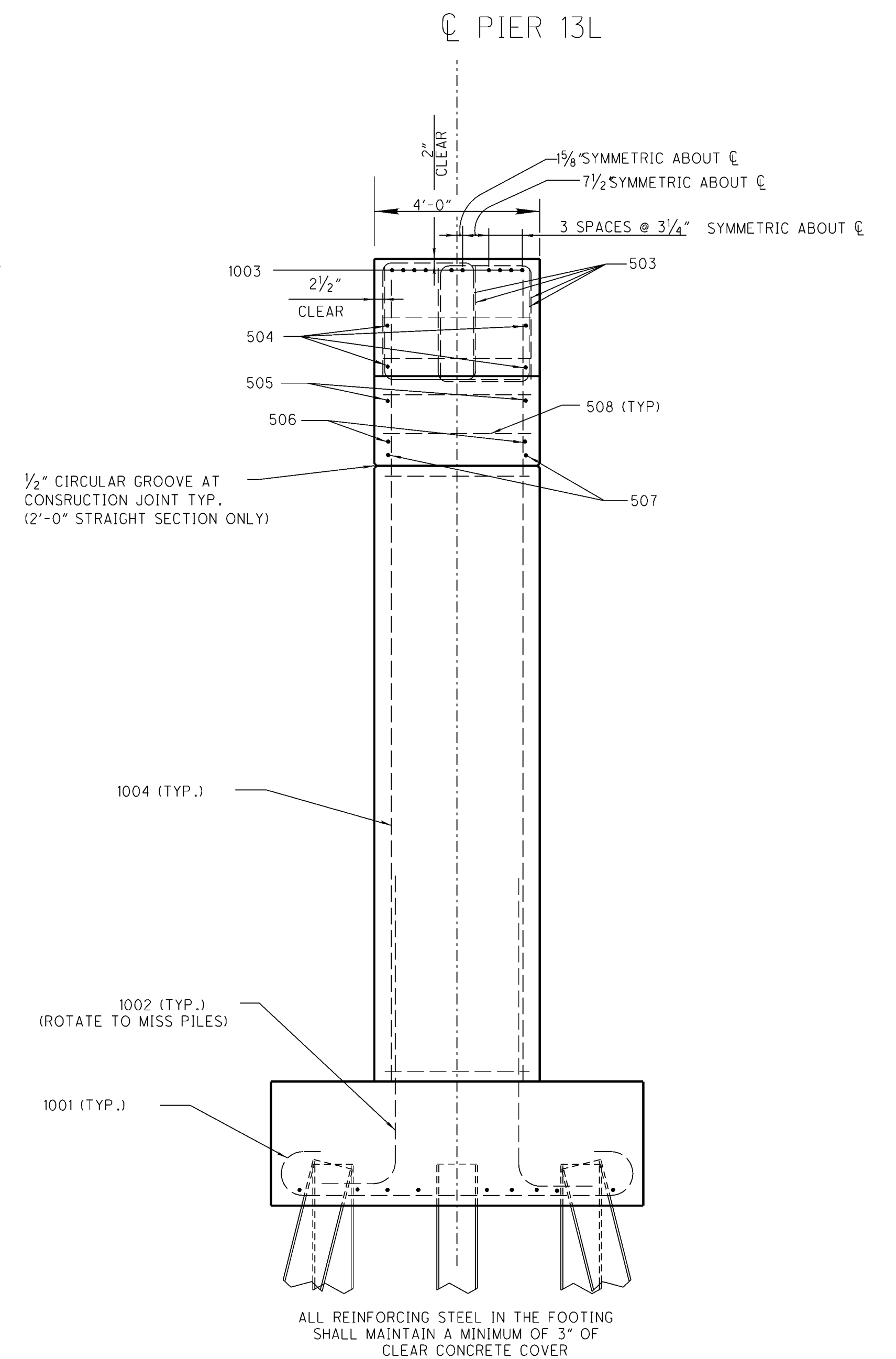
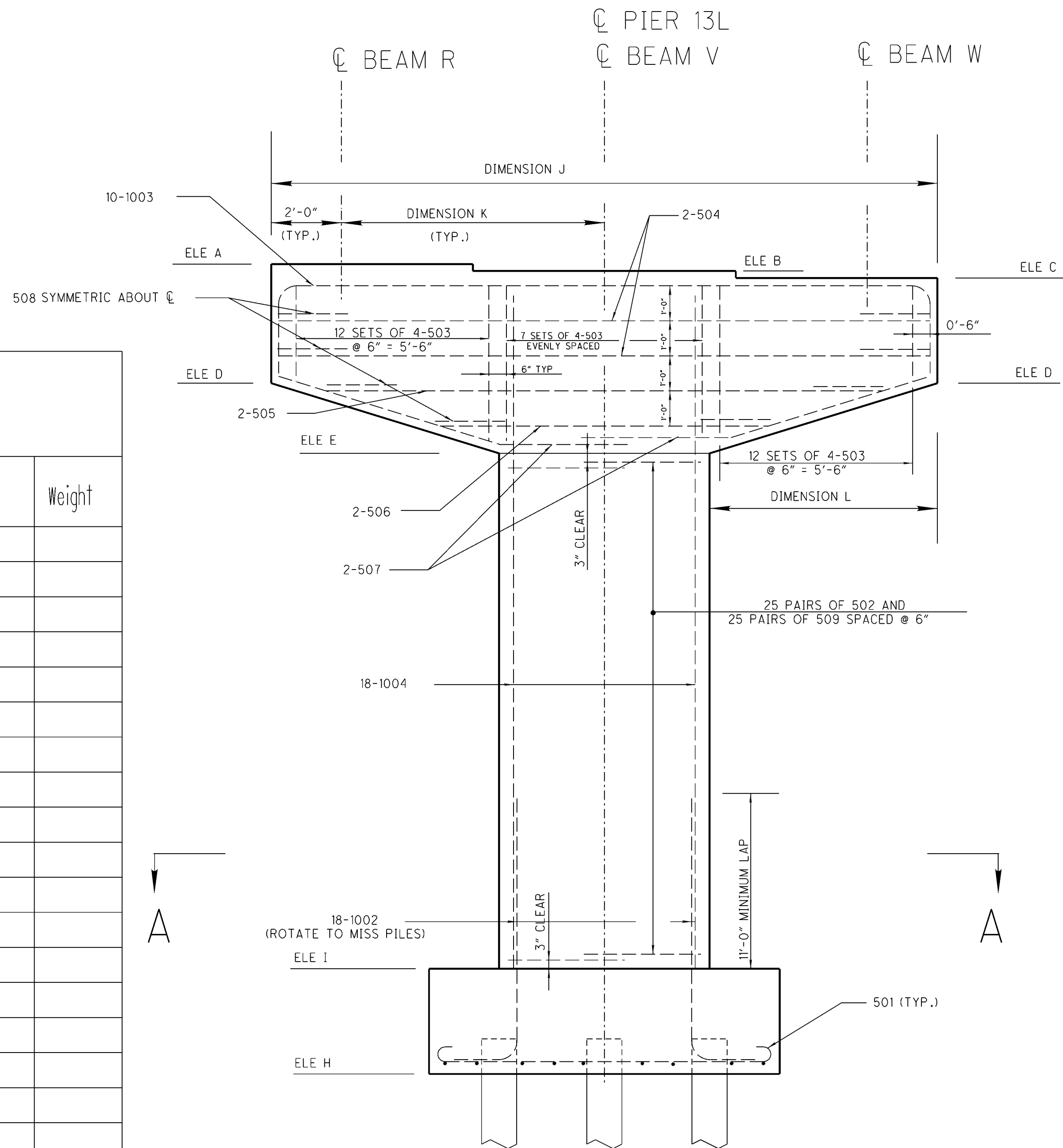
PREFIX	Mark	Number	Length	Type	Dimension				Incr.	Weight
					A	B	C	D		
P13L	501	9	10'-7 <sup>3</sup> / <sub>4</sub> "	7	9'-6"					
P13L	502	50	8'-7"	9	3'-4"	3'-6"				
P13L	503	124	7'-5 <sup>1</sup> / <sub>4</sub> "	2	2'-9"	2'-2 <sup>3</sup> / <sub>8</sub> "				
P13L	504	4	19'-0 <sup>5</sup> / <sub>16</sub> "	STR.						
P13L	505	2	16'-5 <sup>3</sup> / <sub>16</sub> "	STR.						
P13L	506	2	9'-11 <sup>1</sup> / <sub>16</sub> "	STR.						
P13L	507	4	10'-5 <sup>1</sup> / <sub>2</sub> "	36	3'-8"	6'-9 <sup>1</sup> / <sub>2</sub> "	6'-6 <sup>1</sup> / <sub>8</sub> "			
P13L	508	8	7'-3 <sup>3</sup> / <sub>8</sub> "	2	2'-0"	3'-7"				
P13L	509	50	4'-8"	7	3'-6"					
P13L	1001	9	11'-4"	7	8'-6"					
P13L	1002	18	16'-2 <sup>1</sup> / <sub>2</sub> "	1	7'-9 <sup>5</sup> / <sub>8</sub> "	14'-8 <sup>1</sup> / <sub>2</sub> "				
P13L	1003	10	23'-3 <sup>3</sup> / <sub>4</sub> "	2	2'-6"	8'-11 <sup>1</sup> / <sub>4</sub> "				
P13L	1004	18	16'-11"	STR.						



509 (TYP.), 2 BARS AT EACH LEVEL OF 502 TIES (ALTERNATE POSITION AS SHOWN WITH DASHED BARS)

18-1002, SPACE EVERY 8" ALONG 2'-0" STRAIGHT SECTION, AND SPACE EVERY 30° ALONG CURVED SECTIONS

## SECTION A-A

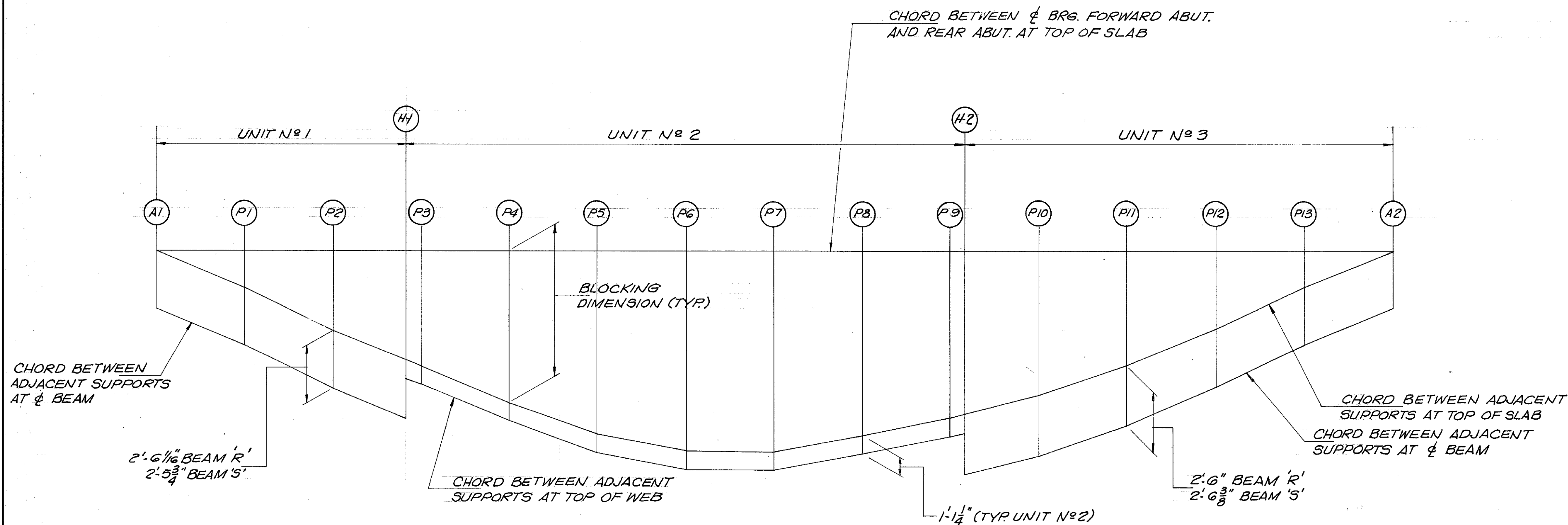


ALL REINFORCING STEEL IN THE FOOTING SHALL MAINTAIN A MINIMUM OF 3" OF CLEAR CONCRETE COVER

A	947.58
B	947.50
C	947.42
D	944.42
E	942.42
H	927.00
I	930.00
J	19'-5 <sup>15</sup> / <sub>16</sub> "
K	7'-8 <sup>5</sup> / <sub>8</sub> "
L	6'-8 <sup>5</sup> / <sub>8</sub> "







**BLOCKING DIAGRAM**

BEAM OR GIRDER	BEAM AND GIRDER BLOCKING DIMENSIONS																
	UNIT No 1				UNIT No 2								UNIT No 3				
	A-1	P-1	P-2	H-1	P-3	P-4	P-5	P-6	P-7	P-8	P-9	H-2	P-10	P-11	P-12	P-13	A-2
R	0'-10 <sup>1</sup> / <sub>16</sub> "	1'-9 <sup>3</sup> / <sub>8</sub> "	2'-6 <sup>15</sup> / <sub>16</sub> "	2'-8 <sup>5</sup> / <sub>16</sub> "	3'-6 <sup>7</sup> / <sub>8</sub> "	4'-2 <sup>1</sup> / <sub>2</sub> "	4'-6 <sup>7</sup> / <sub>8</sub> "	4'-7 <sup>1</sup> / <sub>4</sub> "	4'-9 <sup>3</sup> / <sub>16</sub> "	3'-9 <sup>1</sup> / <sub>16</sub> "	3'-8 <sup>3</sup> / <sub>4</sub> "	3'-3 <sup>1</sup> / <sub>16</sub> "	2'-8 <sup>1</sup> / <sub>16</sub> "	1'-9 <sup>1</sup> / <sub>16</sub> "	0'-9 <sup>3</sup> / <sub>4</sub> "	---	
S	0'-10"	1'-8 <sup>13</sup> / <sub>16</sub> "	2'-4 <sup>7</sup> / <sub>16</sub> "	2'-5 <sup>15</sup> / <sub>16</sub> "	3'-4 <sup>1</sup> / <sub>4</sub> "	4'-1 <sup>1</sup> / <sub>4</sub> "	4'-6 <sup>1</sup> / <sub>4</sub> "	4'-7 <sup>3</sup> / <sub>16</sub> "	4'-4 <sup>3</sup> / <sub>16</sub> "	3'-10 <sup>13</sup> / <sub>16</sub> "	3'-9 <sup>15</sup> / <sub>16</sub> "	3'-3 <sup>3</sup> / <sub>16</sub> "	2'-4 <sup>13</sup> / <sub>16</sub> "	1'-6 <sup>3</sup> / <sub>16</sub> "	0'-7 <sup>1</sup> / <sub>16</sub> "	---	
T	0'-10 <sup>3</sup> / <sub>16</sub> "	1'-9 <sup>7</sup> / <sub>16</sub> "	2'-5 <sup>3</sup> / <sub>16</sub> "	2'-6 <sup>1</sup> / <sub>16</sub> "	3'-5 <sup>1</sup> / <sub>4</sub> "	4'-2 <sup>1</sup> / <sub>2</sub> "	4'-7 <sup>7</sup> / <sub>8</sub> "	4'-9 <sup>1</sup> / <sub>8</sub> "	4'-6 <sup>7</sup> / <sub>16</sub> "	4'-1 <sup>5</sup> / <sub>16</sub> "	4'-1 <sup>1</sup> / <sub>2</sub> "	3'-5 <sup>7</sup> / <sub>8</sub> "	2'-7 <sup>15</sup> / <sub>16</sub> "	1'-10 <sup>7</sup> / <sub>16</sub> "	0'-9 <sup>3</sup> / <sub>8</sub> "	---	
U	0'-10 <sup>1</sup> / <sub>4</sub> "	1'-9 <sup>1</sup> / <sub>16</sub> "	2'-5 <sup>1</sup> / <sub>16</sub> "	2'-7 <sup>7</sup> / <sub>16</sub> "	3'-5 <sup>7</sup> / <sub>8</sub> "	4'-3 <sup>1</sup> / <sub>4</sub> "	4'-8 <sup>1</sup> / <sub>16</sub> "	4'-10 <sup>5</sup> / <sub>16</sub> "	4'-7 <sup>1</sup> / <sub>16</sub> "	4'-2 <sup>1</sup> / <sub>16</sub> "	4'-2"	3'-7 <sup>1</sup> / <sub>2</sub> "	2'-9 <sup>1</sup> / <sub>16</sub> "	2'-9 <sup>1</sup> / <sub>16</sub> "	0'-10 <sup>3</sup> / <sub>8</sub> "	---	
V	0'-10 <sup>7</sup> / <sub>8</sub> "	1'-9 <sup>7</sup> / <sub>8</sub> "	2'-6 <sup>15</sup> / <sub>16</sub> "	2'-8 <sup>3</sup> / <sub>8</sub> "	3'-6 <sup>1</sup> / <sub>4</sub> "	4'-2 <sup>3</sup> / <sub>16</sub> "	4'-7 <sup>7</sup> / <sub>8</sub> "	4'-7 <sup>1</sup> / <sub>2</sub> "	4'-4"	3'-10 <sup>3</sup> / <sub>16</sub> "	3'-9 <sup>5</sup> / <sub>16</sub> "	3'-4 <sup>1</sup> / <sub>4</sub> "	2'-8 <sup>5</sup> / <sub>16</sub> "	1'-9 <sup>1</sup> / <sub>16</sub> "	0'-9 <sup>15</sup> / <sub>16</sub> "	---	
W	0'-10 <sup>7</sup> / <sub>8</sub> "	1'-9 <sup>3</sup> / <sub>4</sub> "	2'-6 <sup>7</sup> / <sub>8</sub> "	2'-8 <sup>1</sup> / <sub>4</sub> "	3'-6 <sup>3</sup> / <sub>16</sub> "	4'-2 <sup>3</sup> / <sub>16</sub> "	4'-7 <sup>7</sup> / <sub>8</sub> "	4'-7 <sup>5</sup> / <sub>8</sub> "	4'-4 <sup>1</sup> / <sub>8</sub> "	3'-10 <sup>5</sup> / <sub>16</sub> "	3'-9 <sup>7</sup> / <sub>16</sub> "	3'-4 <sup>7</sup> / <sub>16</sub> "	2'-8 <sup>7</sup> / <sub>16</sub> "	1'-9 <sup>3</sup> / <sub>4</sub> "	0'-9 <sup>15</sup> / <sub>16</sub> "	---	

REVISED MJM, ODOT, DISTRICT 12, 12-99

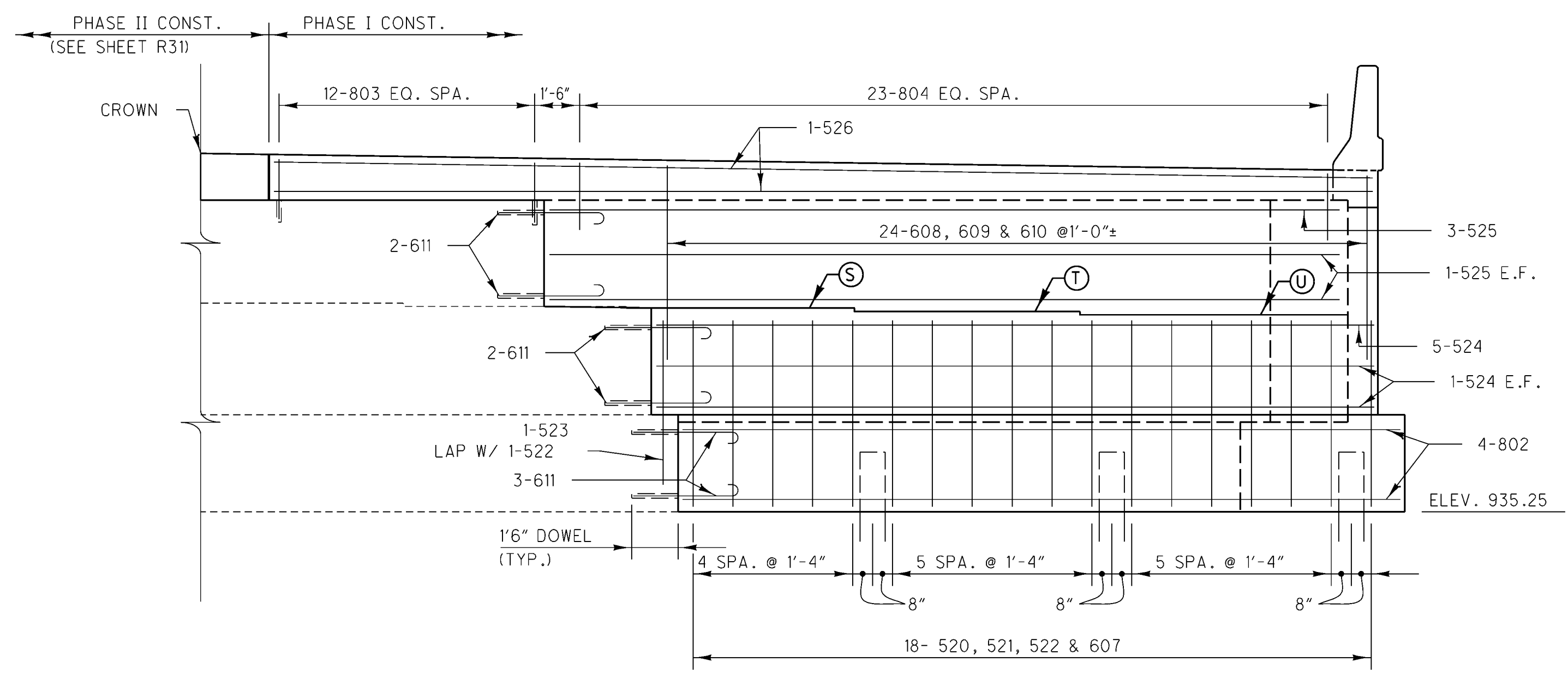
URS CONSULTANTS  
584 White Pond Drive  
Akron, Ohio 44320

28/45

**BLOCKING DIAGRAM**  
BR. NO. CUY - 271-0232 L & R  
1-271 OVER TINKERS CREEK VALLEY  
CUYAHOGA COUNTY OHIO  
STA. 140+05.74 TO STA. 150+ 83.32

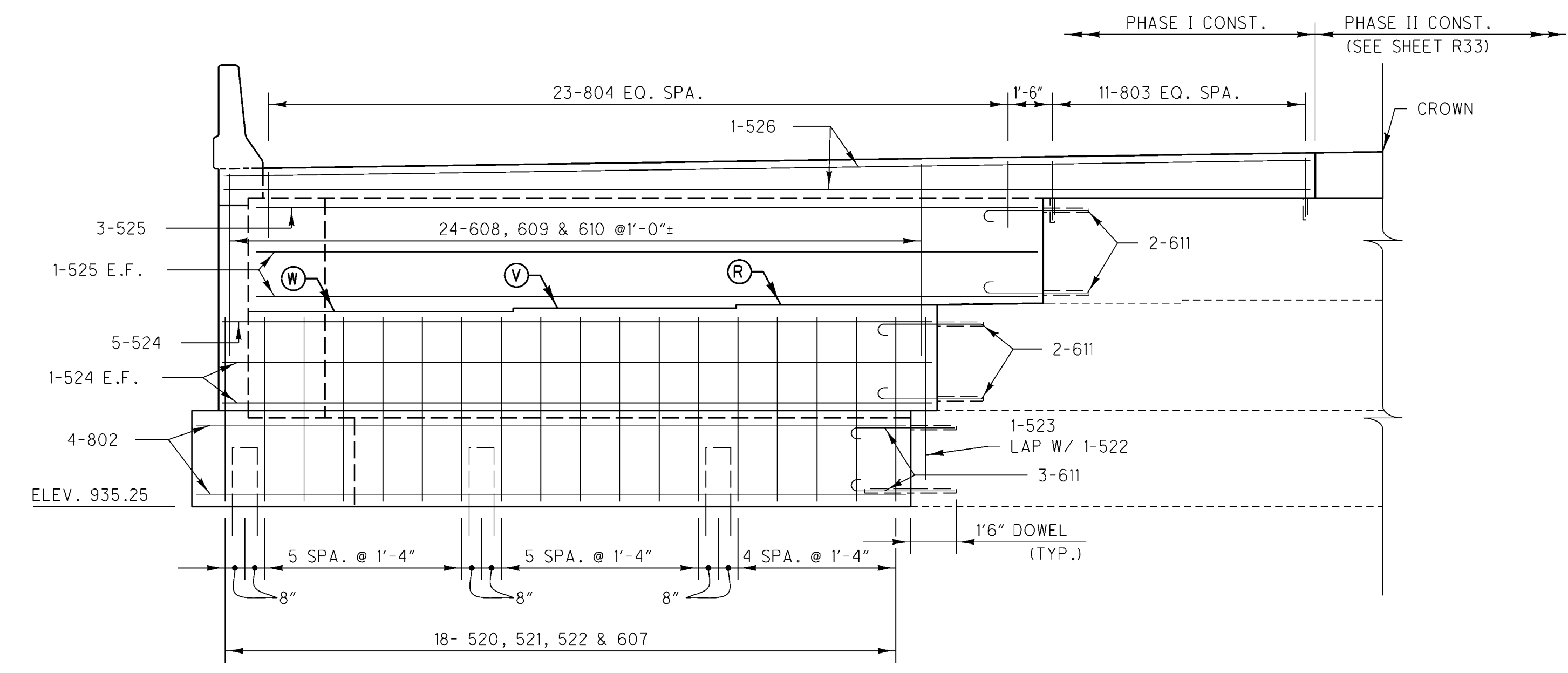
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B.B.	CDG		MJM	JSP	1-9-95	MJM

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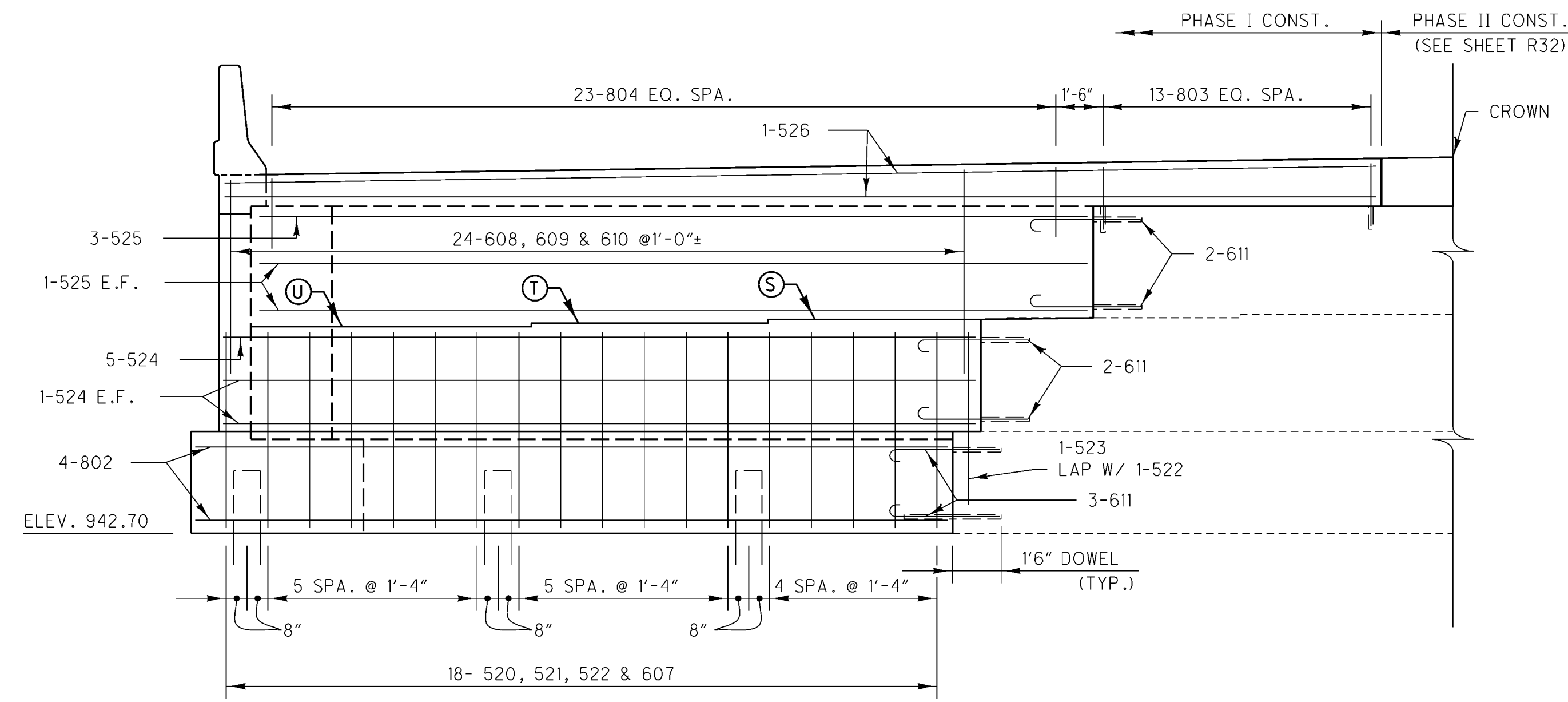
PARTIAL ELEVATION - R.A. RIGHT

- Ⓢ ELEV. 942.07
- Ⓣ ELEV. 941.95
- Ⓤ ELEV. 941.84



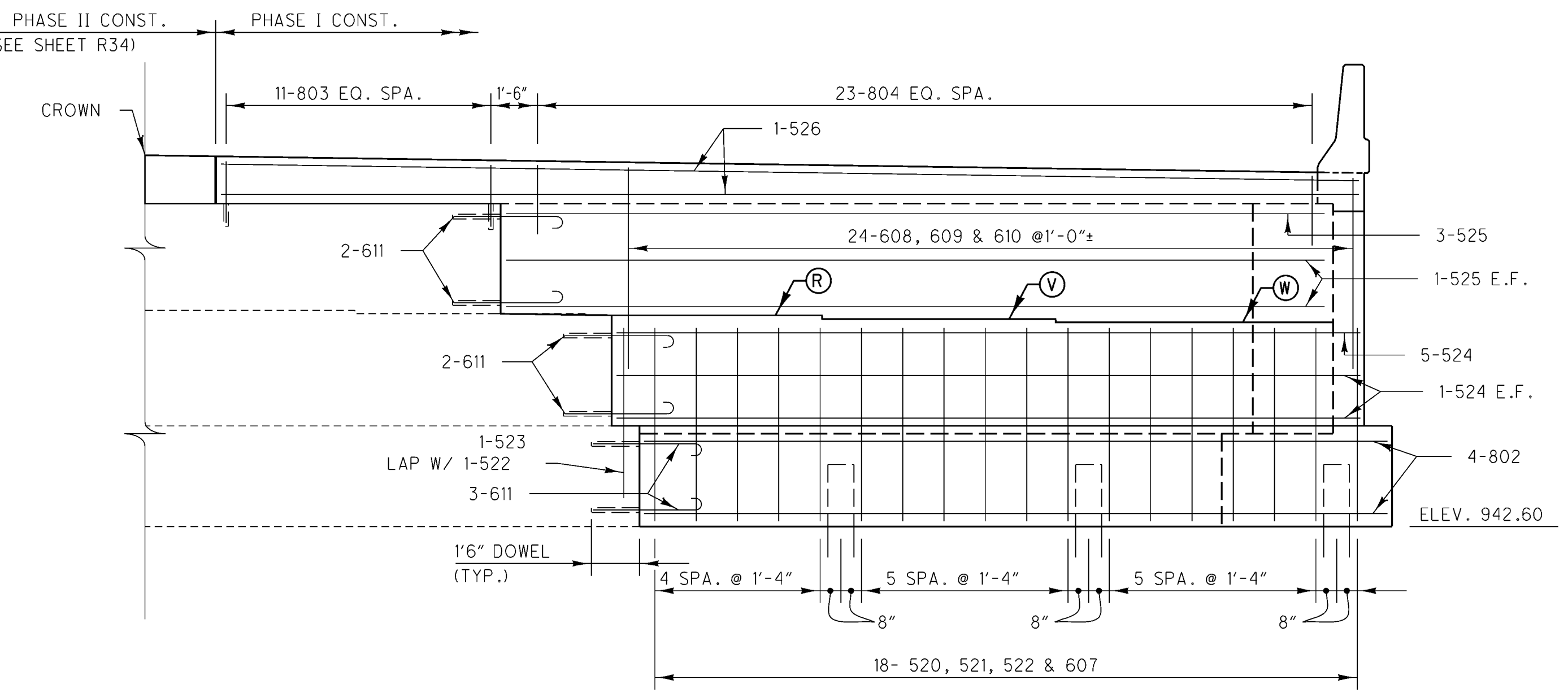
PARTIAL ELEVATION - R.A. LEFT

- Ⓡ ELEV. 942.21
- Ⓥ ELEV. 942.08
- Ⓦ ELEV. 941.95



PARTIAL ELEVATION - F.A. RIGHT

- Ⓢ ELEV. 949.85
- Ⓣ ELEV. 949.89
- Ⓤ ELEV. 949.93



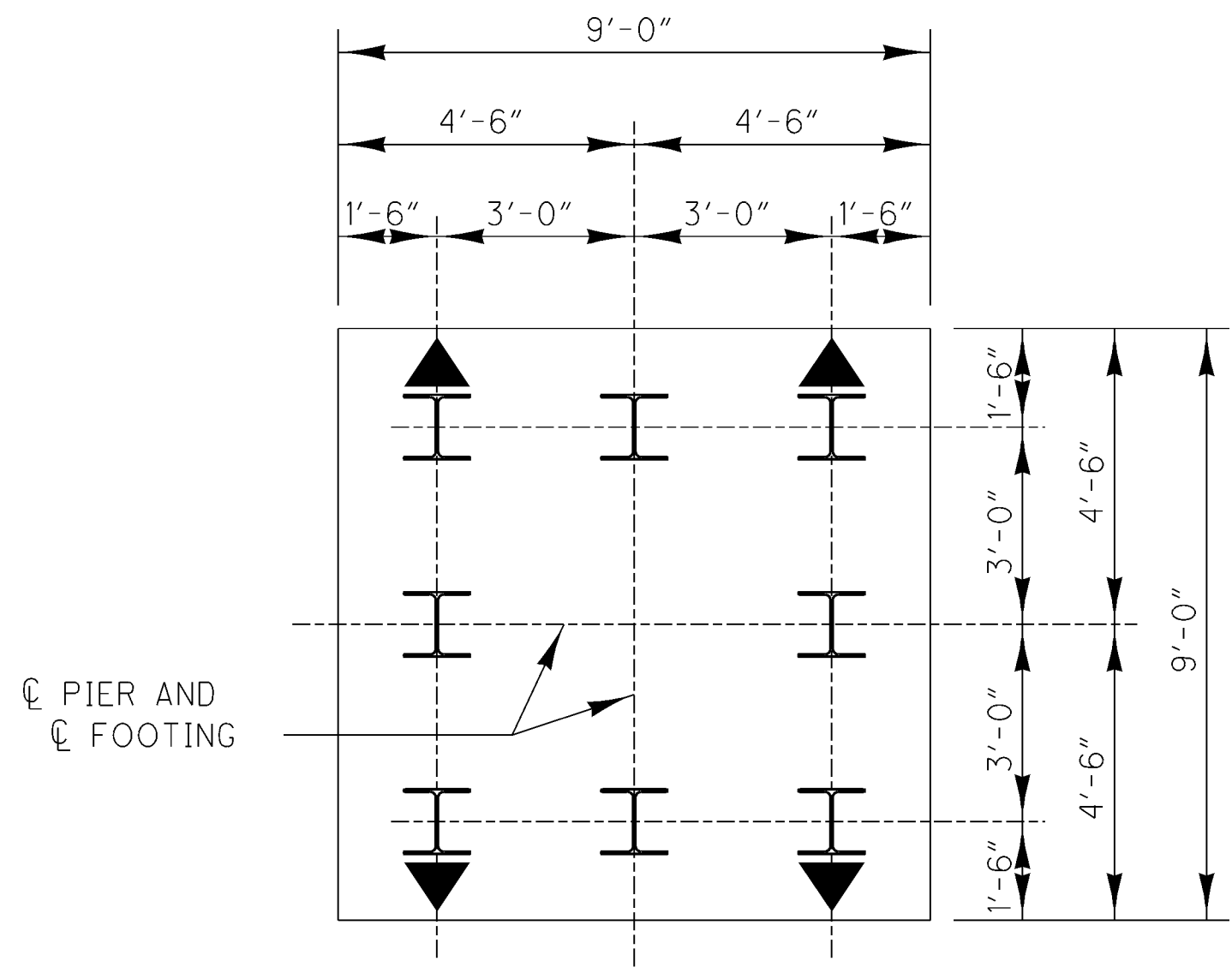
PARTIAL ELEVATION - F.A. LEFT

- Ⓡ ELEV. 949.25
- Ⓥ ELEV. 949.17
- Ⓦ ELEV. 949.09

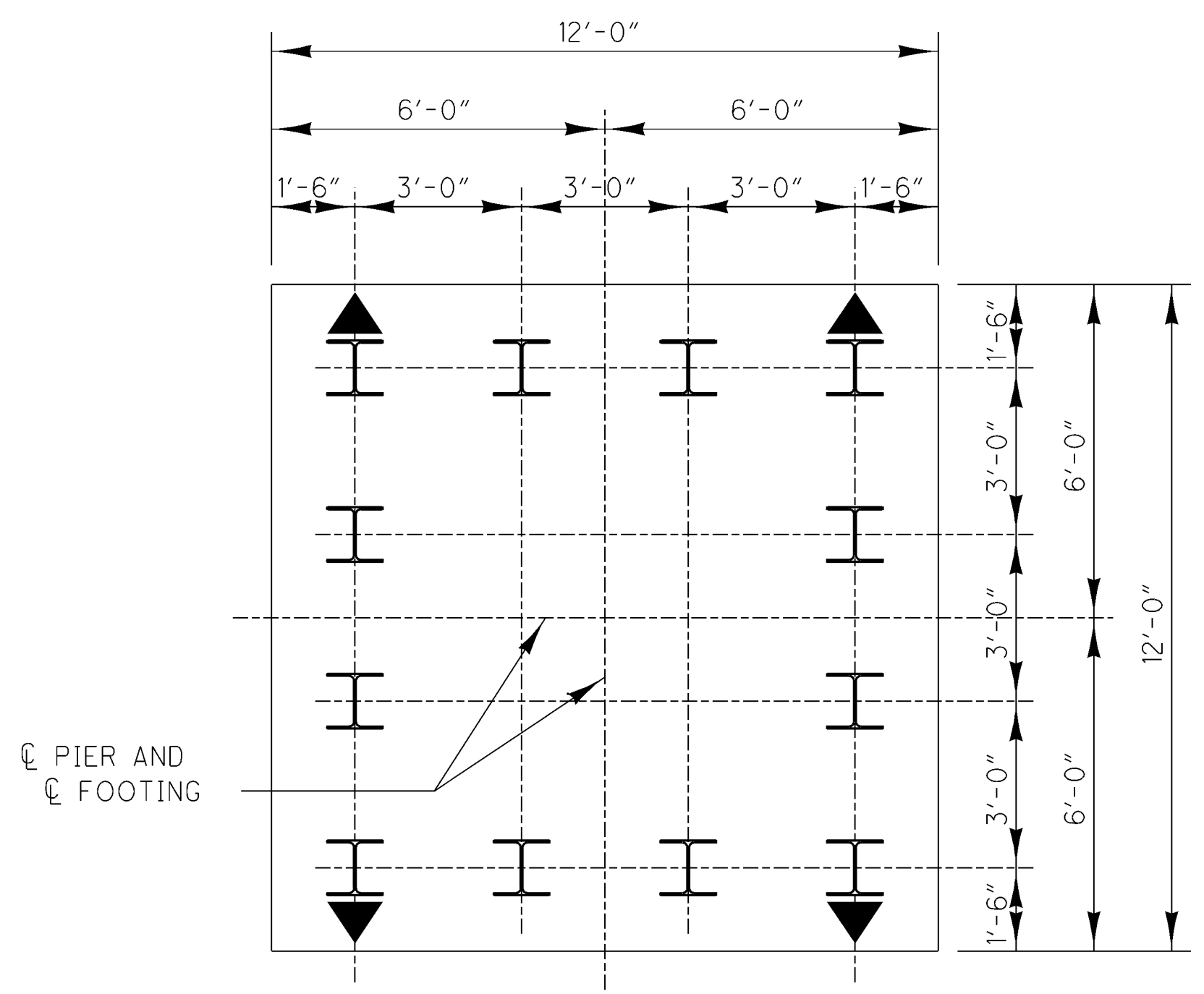
NOT TO SCALE

DESIGN AGENCY	DISTRICT TWELVE
DATE	PRODUCTION DEPARTMENT
REVIEWED	STRUCTURE FILE NUMBER
DRAWN	REVISED
DESIGNED	CHECKED
NRC	MJM
PARTIAL ELEVATION	
BRIDGE NO. CUY-271-0232 L & R	
OVER TINKERS CREEK VALLEY	
CUY-271-2.32	
C31A	

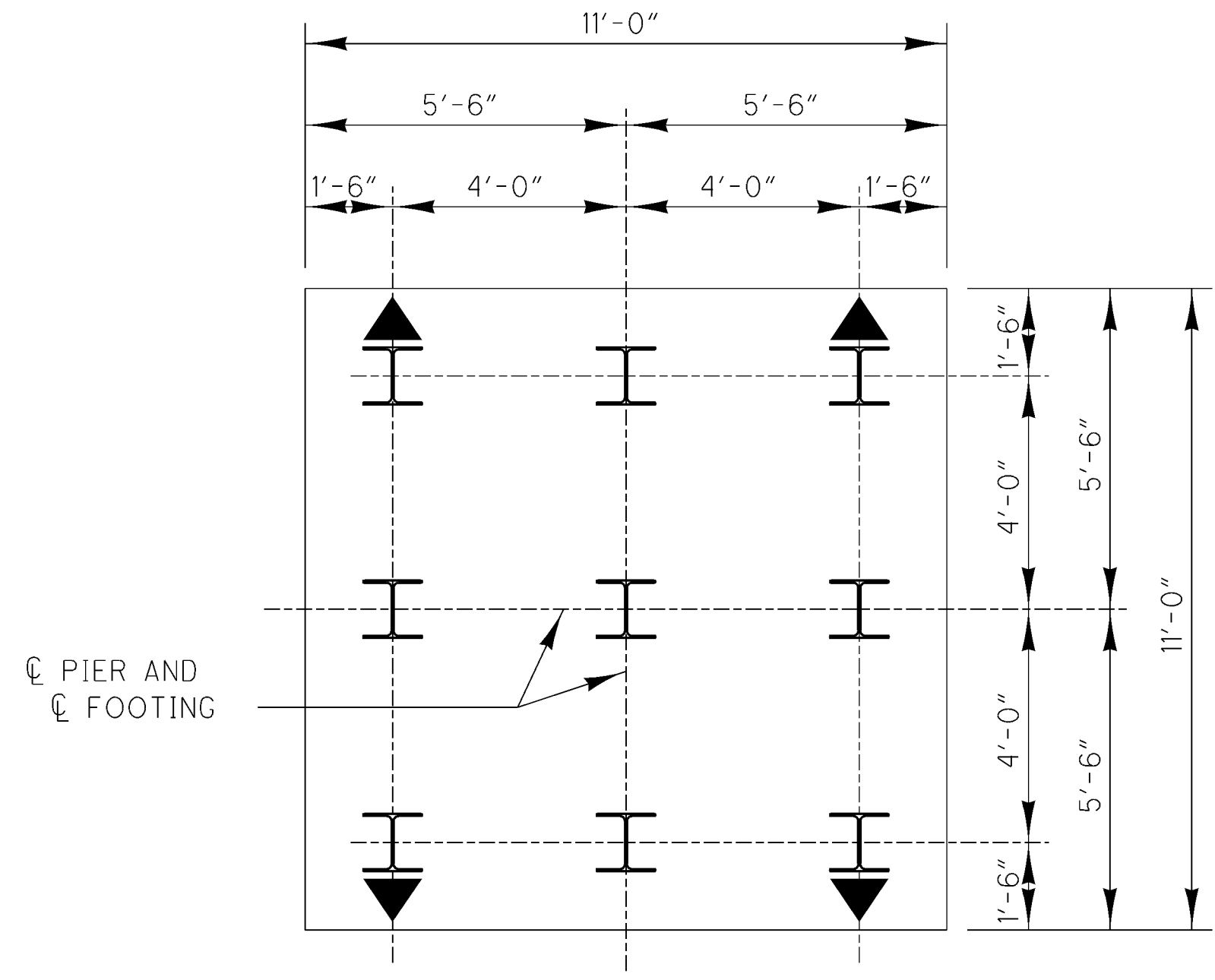
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 FILENAME: filename.dgn



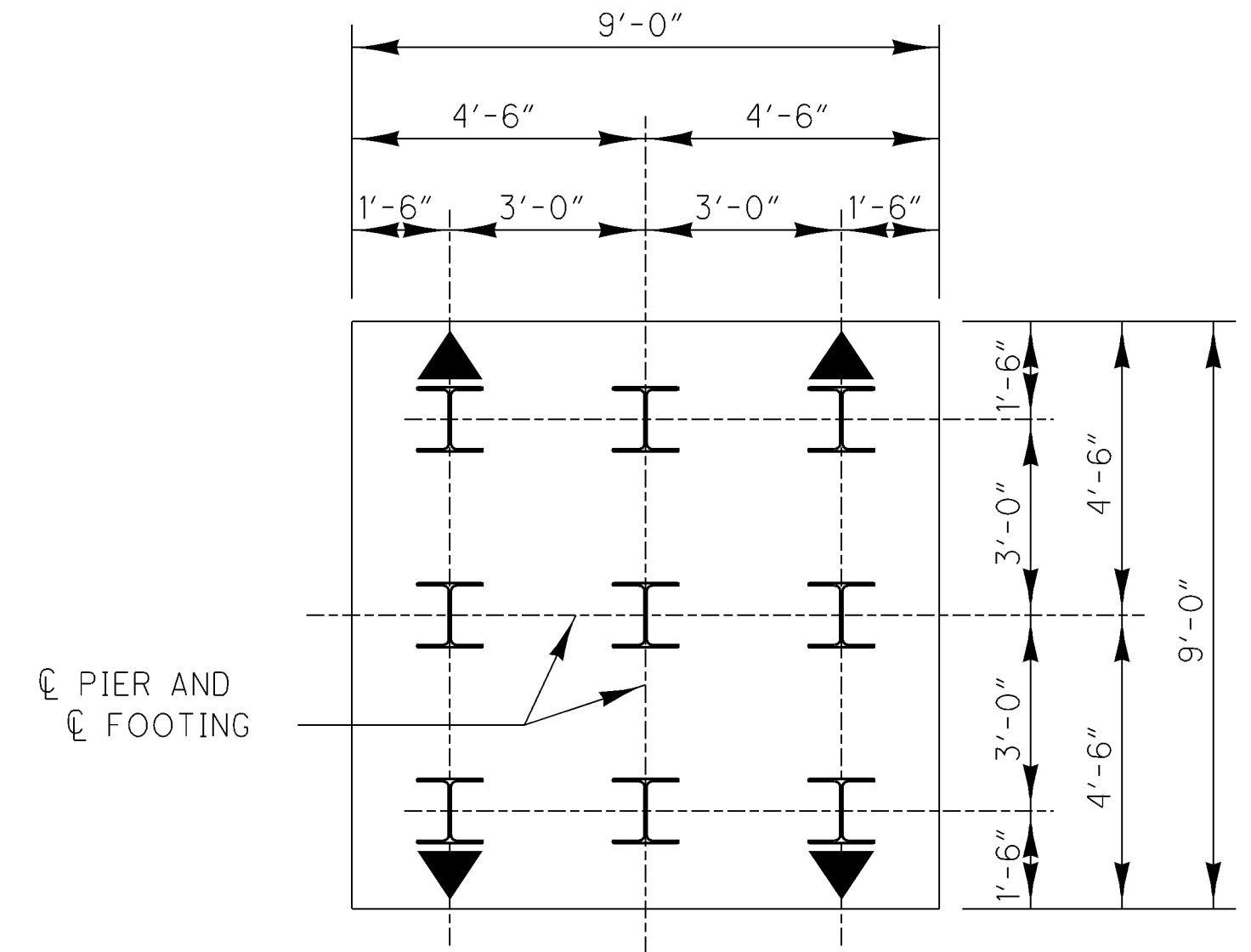
**FOOTING PLAN - PIER 1L, 9L & 11L**



**FOOTING PLAN - PIER 8L & 11R**



**FOOTING PLAN - PIER 10L**




**FOOTING PLAN - PIER 12L, 13L, 12R & 13R**

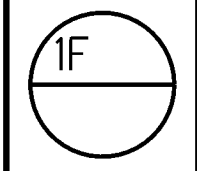
	CUY-271-2.32		FOOTING PLAN FOR PIERS ON PILES BRIDGE NO. CUY-271-0232 L & R OVER TINKERS CREEK VALLEY	
	DESIGNED NRC CHECKED MJM	DRAWN NRC REVISED	REVIEWED STRUCTURE FILE NUMBER 1810774 / 1810715	DATE



PLOTTED BY: \$USERNAME\$\$  
 PLOTTED FROM: \$\$\$\$\$\$DGN\$SPEC\$\$\$\$\$  
 PLOT SUBMITTED: \$\$\$\$\$\$SYTIME\$\$\$\$\$

filename.dgn

SUBSTRUCTURE UNIT	PILE NUMBER	PILE TYPE	CUT-OFF ELEVATION	ESTIMATED LENGTH
<b>LEFT BRIDGE</b>				
REAR ABUTMENT	1-7	HP 10 X 42	937.25	33'
PIER 1	8-15	HP 12 X 53	917.00	22'
PIER 2 (134-136)	134-136	HP 12 X 74	907.5	19'
PIER 2 (137-142)	137-142	HP 12 X 74	908.5	20'
PIER 8	16-27	HP 12 X 53	910.20	19'
PIER 9	28-35	HP 12 X 53	915.90	28'
PIER 10	36-44,44A-44C	HP 12 X 53	918.5	31'
PIER 11	45-52	HP 12 X 53	922.9	35'
PIER 12	53-61	HP 12 X 53	929.00	29'
PIER 13	62-70	HP 12 X 53	928.00	24'
FORWARD ABUTMENT	71-77	HP 10 X 42	944.60	43'
<b>RIGHT BRIDGE</b>				
REAR ABUTMENT	78-84	HP 10 X 42	937.25	23'
PIER 10	122-133	HP 12 X 53	909.00	33'
PIER 11	85-96	HP 12 X 53	917.90	12'
PIER 12	97-105	HP 12 X 53	924.8	16'
PIER 13	106-114	HP 12 X 53	924.80	18'
FORWARD ABUTMENT	115-121	HP 10 X 42	944.70	39'
<b>LEGEND</b>				
H HP PILE (NO BATTER)				
 HP PILE BATTERED 1:4 — DIRECTION OF BATTER				



CUY-271-2.32

GENERAL PLAN  
 BRIDGE NO. CUY-271-0232 L&R  
 I-271 OVER TINKERS CREEK

CHANGE ORDER

DESIGNED	NRC
CHECKED	MJM

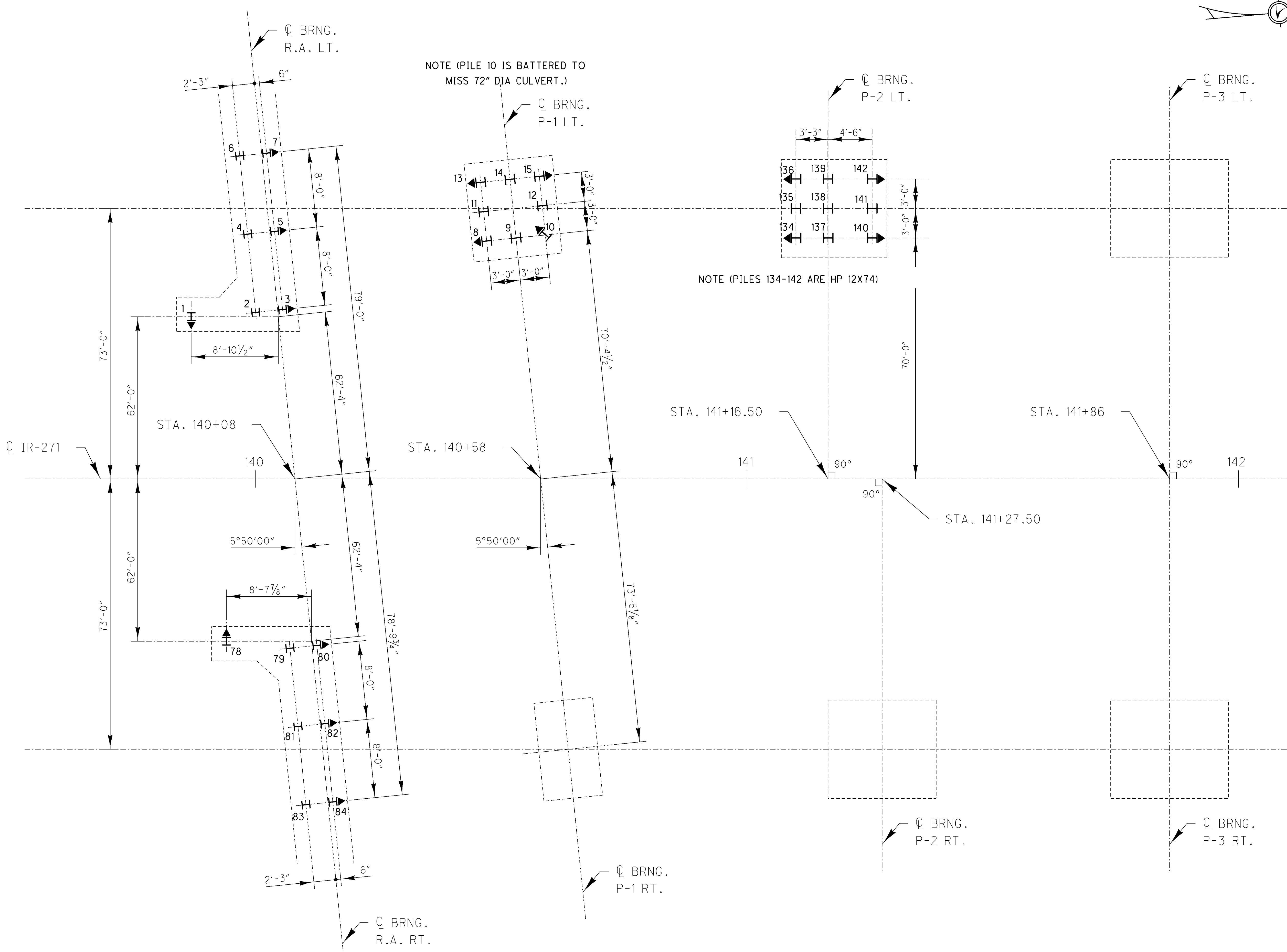
DRAWN	NRC
REVISED	

REVIEWED	DATE
STRUCTURE FILE NUMBER	1810774,1810715

DESIGN AGENCY  
 DISTRICT TWELVE  
 PRODUCTION DEPARTMENT

PLOTTED BY: \$\$\$\$SYTIME\$\$\$\$  
 PLOTTED FROM: \$\$\$\$SYTIME\$\$\$\$

filename.dgn

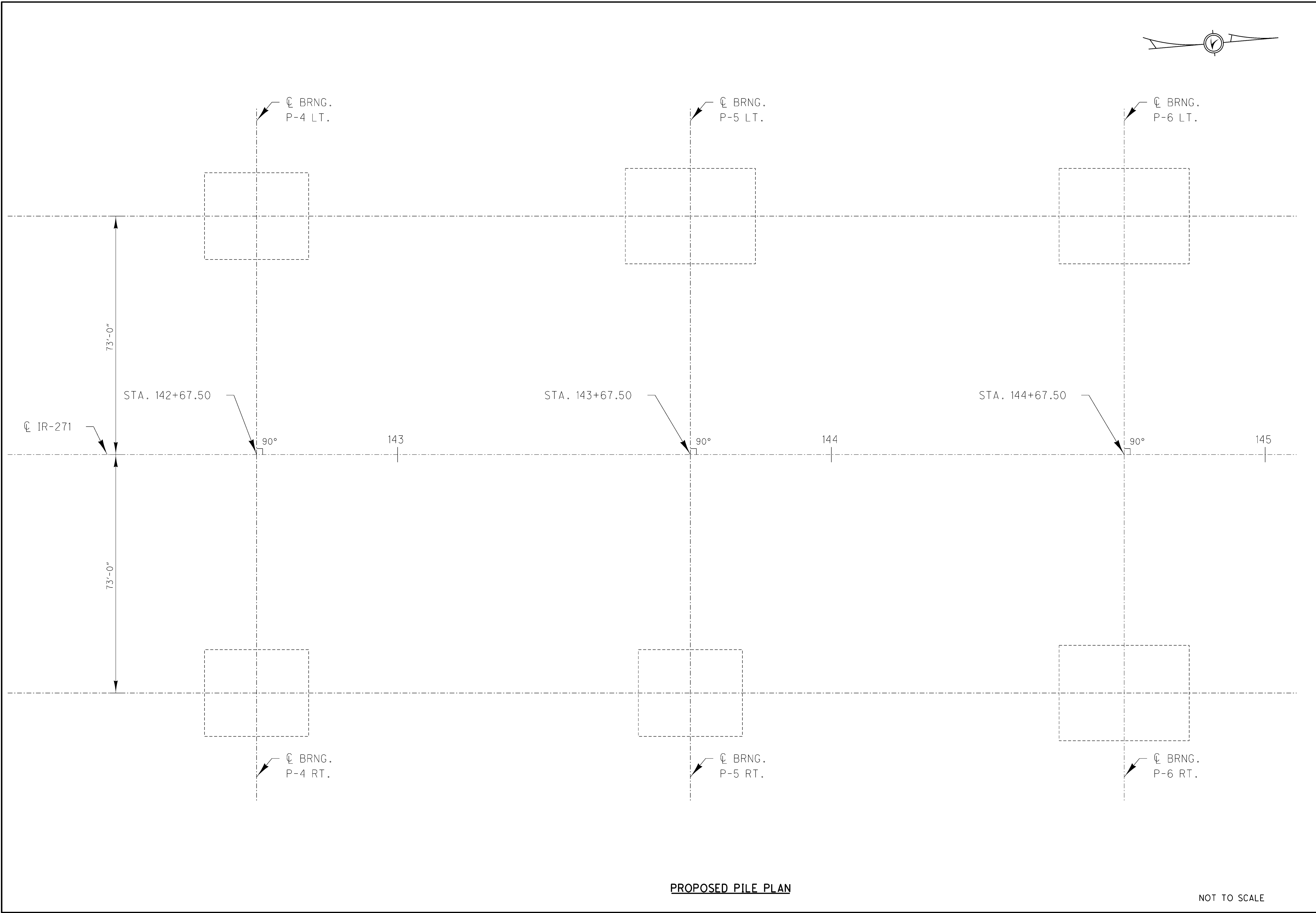


PROPOSED PILE PLAN

NOT TO SCALE

DESIGN AGENCY DISTRICT TWELVE PRODUCTION DEPARTMENT	
DATE	1810774,1810715
REVIEWED	STRUCTURE FILE NUMBER
DESIGNED	CHECKED
NRC	MJM
DRAWN	REVISED
NRC	
CHANGE ORDER	
GENERAL PLAN BRIDGE NO. CUY-271-0232 L&R I-271 OVER TINKERS CREEK	
CUY-271-2.32	
2F	

PLOTTED BY: \$\$USERNAME\$\$  
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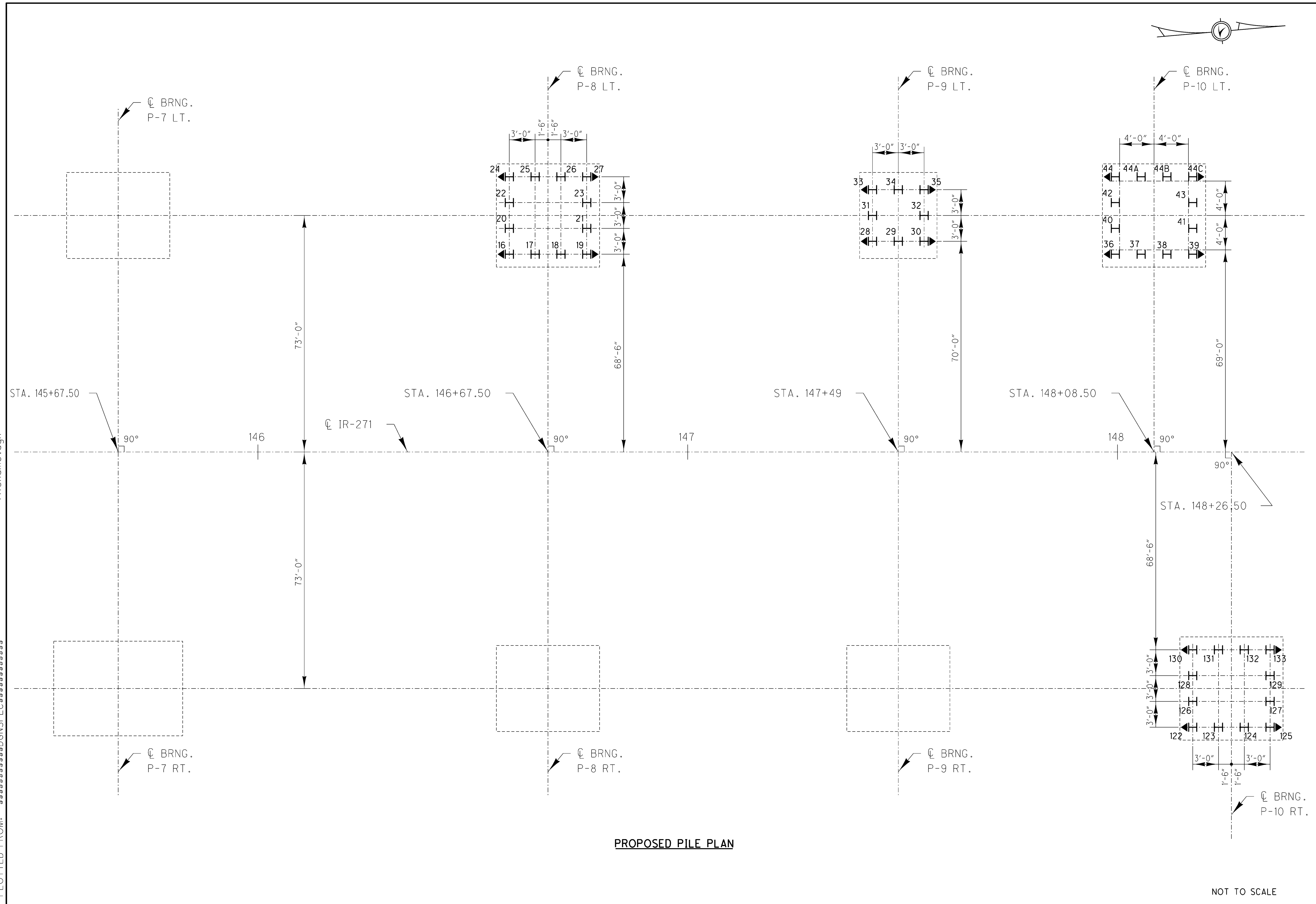


**PROPOSED PILE PLAN**

NOT TO SCALE

DESIGNED NRC	CHECKED MJM	DESIGN AGENCY	DISTRICT TWELVE PRODUCTION DEPARTMENT
		DATE	1810774,1810715
DRAWN NRC	REVISOR	STRUCTURE FILE NUMBER	1810774,1810715
GENERAL PLAN		CHANGE ORDER	
BRIDGE NO. CUY-271-0232 L&R I-271 OVER TINKERS CREEK			
CUY-271-2.32			
3F			

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 PLOT SUBMITTED: \$\$\$SYTIME\$\$\$\$\$

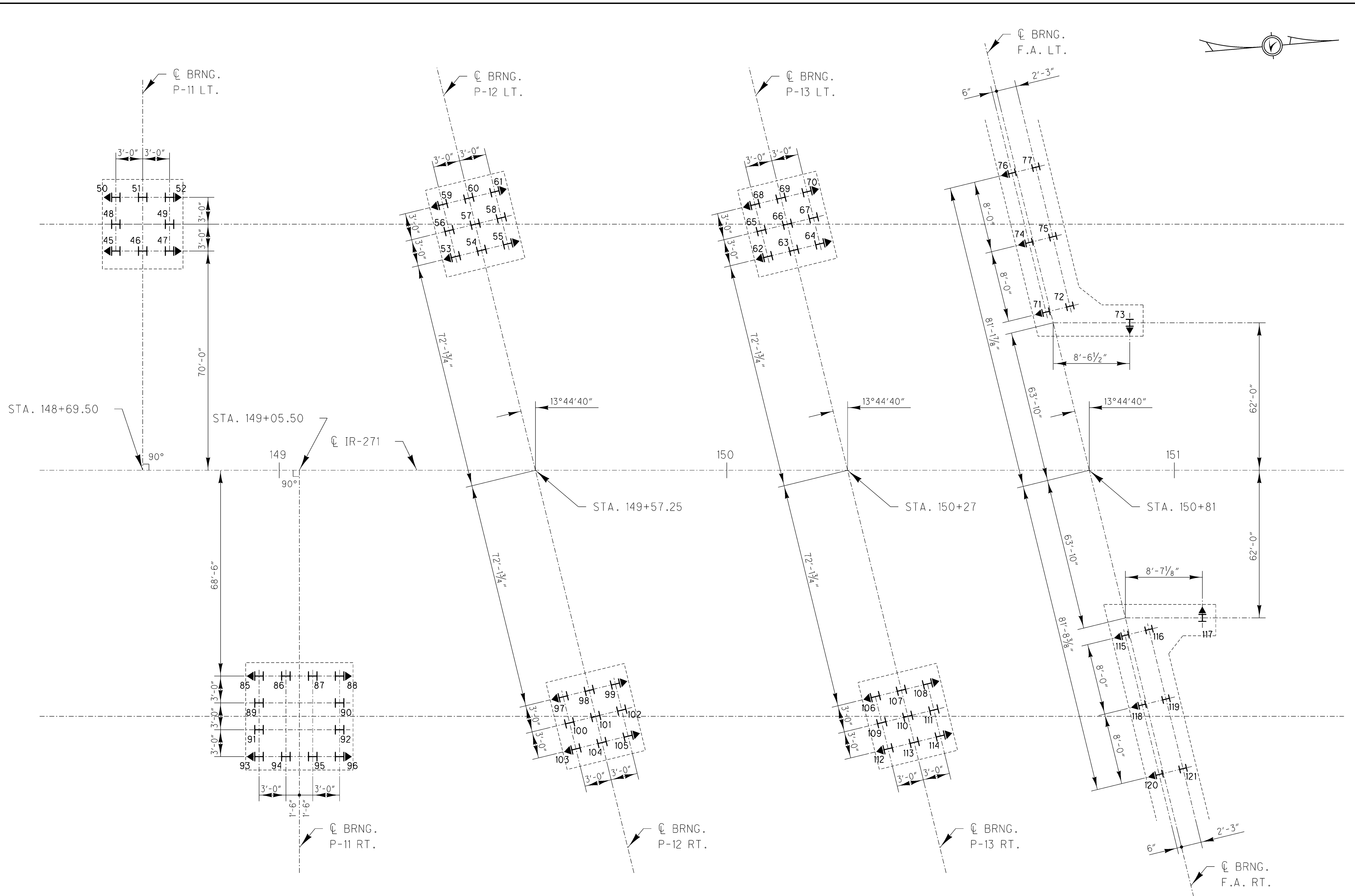


**PROPOSED PILE PLAN**

NOT TO SCALE

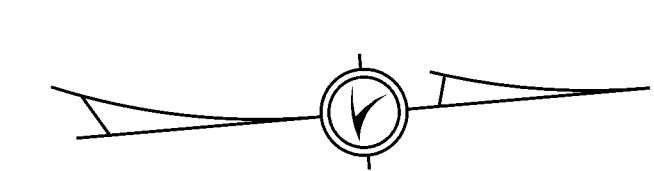
DESIGN AGENCY DISTRICT TWELVE PRODUCTION DEPARTMENT	
DATE	1810774,1810715
REVIEWED	STRUCTURE FILE NUMBER
DESIGNED NRC	CHECKED MJM
<b>CHANGE ORDER</b>	
GENERAL PLAN BRIDGE NO. CUY-271-0232 L&R I-271 OVER TINKERS CREEK	
<b>CUY-271-2.32</b>	
4F	

PLOTTED BY: \$\$\$\$USERNAME\$\$\$  
 PLOTTED FROM: \$\$\$\$DGN\$\$\$\$  
 FILENAME: filename.dgn  
 PLOT SUBMITTED: \$\$\$\$SYTIME\$\$\$\$



**PROPOSED PILE PLAN**

NOT TO SCALE

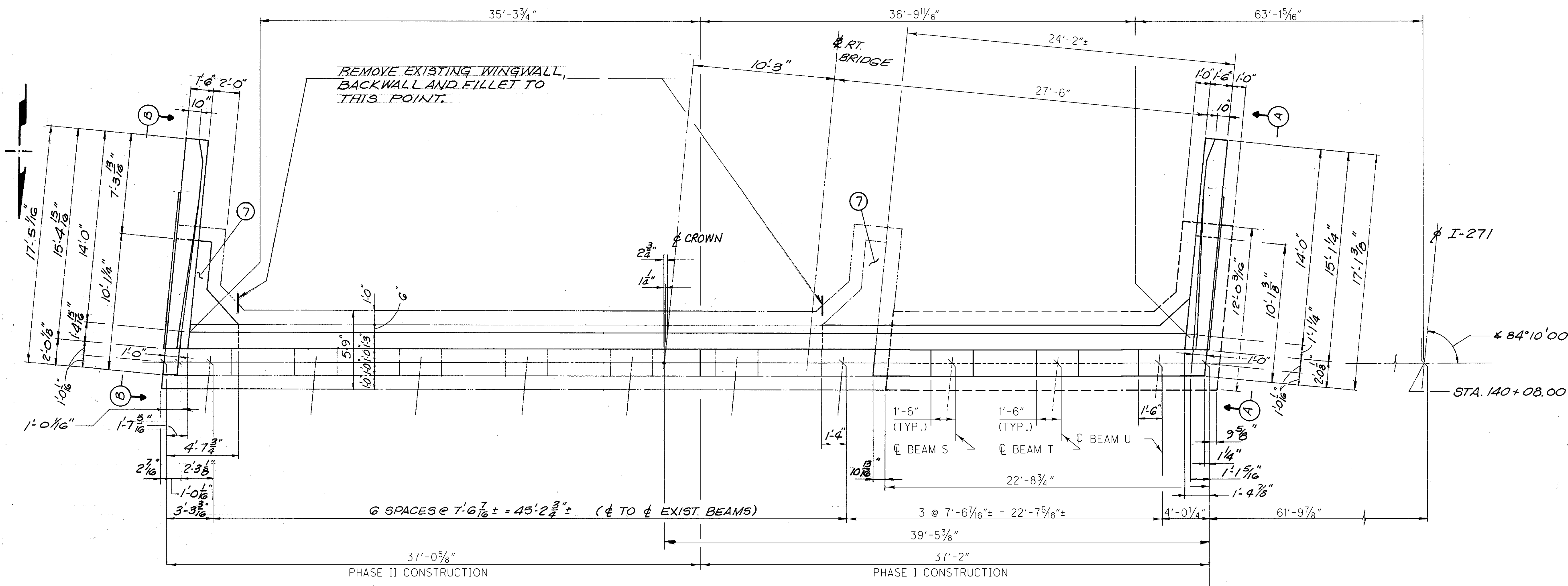


DESIGNED NRC CHECKED MJM	DRAWN NRC REVISED	REVIEWED	DATE	DESIGN AGENCY
		STRUCTURE FILE NUMBER 1810774,1810715		DISTRICT TWELVE PRODUCTION DEPARTMENT
<b>CHANGE ORDER</b>				
GENERAL PLAN BRIDGE NO. CUY-271-0232 L&R I-271 OVER TINKERS CREEK				
CUY-271-2.32				
5F				

F.H.W.A. REG.	STATE	PROJECT
5	OHIO	

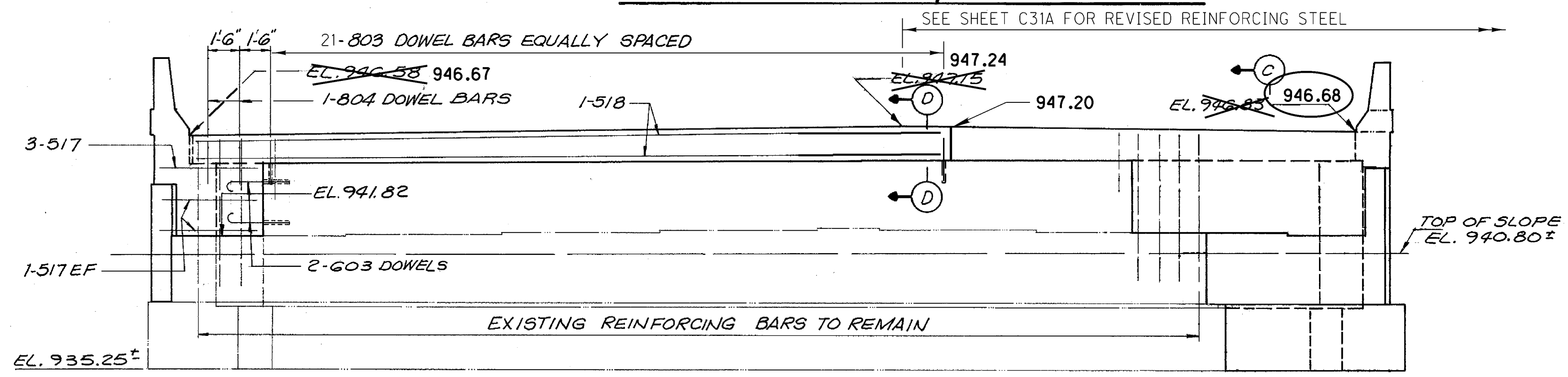
31  
64

CUYAHOGA COUNTY  
CUY-271-02.32



- NOTES**
- FOR VIEWS A-A & B-B SEE SHEET 16/45
  - THE BAR PREFIX TO BE ADDED TO ALL REINFORCING BAR MARKS IN THIS ABUTMENT SHALL BE AS FOLLOWS:  
PHASE I: 31EA  
PHASE II: 41EA
  - FOR SECTIONS C-C & D-D SEE SHEET 15/45.
  - FOR DOWEL HOLE LAYOUT, IN THE ABUTMENT, SEE SHEET 13/45.
  - FOR ABUTMENT AND WINGWALL DRAINAGE AND REMOVAL DETAILS, SEE SHEET 16/45.
  - THIS ABUTMENT WAS INSPECTED IN SEPTEMBER, 1994 AND NO CONCRETE AREAS WERE FOUND TO NEED REPAIR.
  - REMOVE EXISTING WINGWALL, BACKWALL AND FILLET TO EXISTING SEAT ELEVATION.

**PLAN - RIGHT BRIDGE, REAR ABUTMENT**



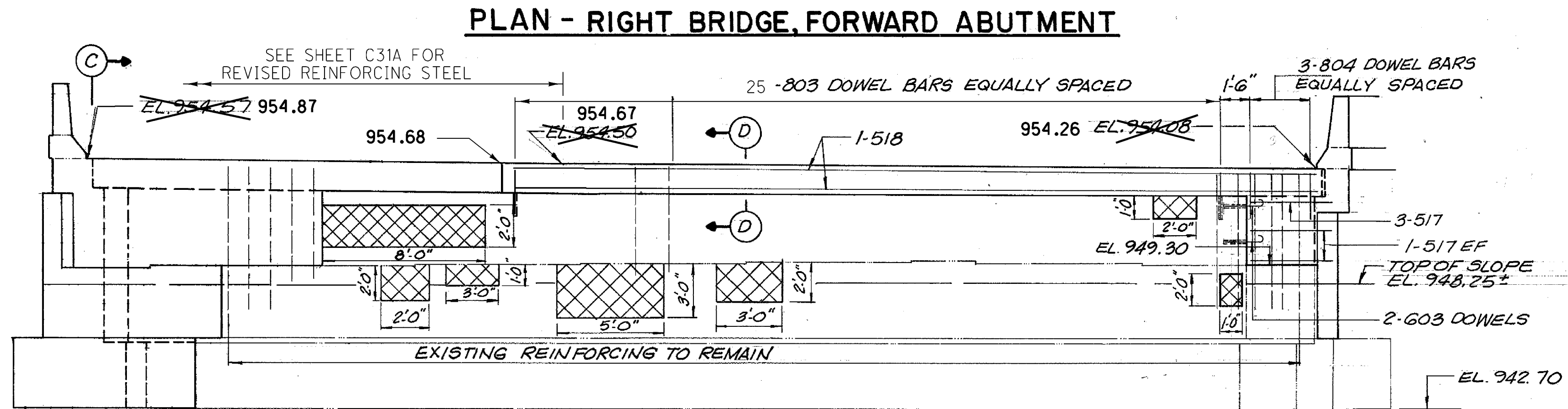
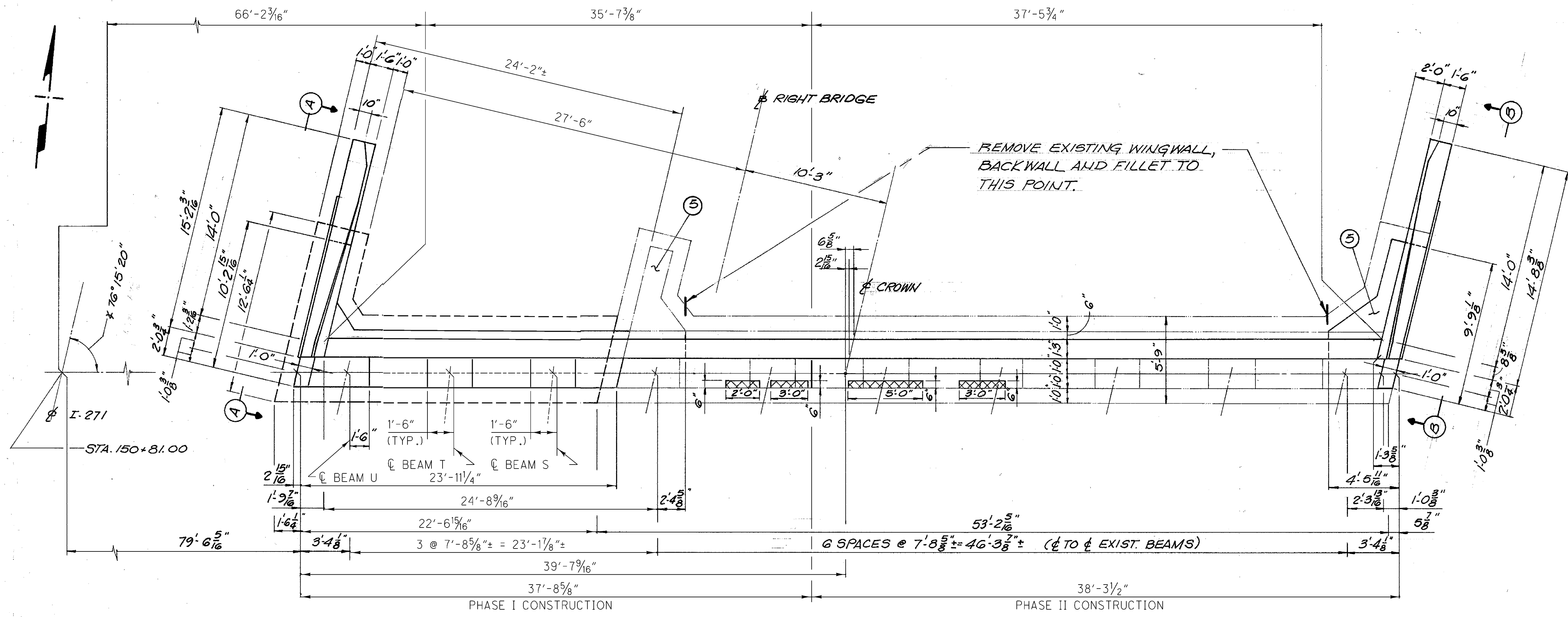
**ELEVATION**

REV. 3/2000, NRC - DISTRICT 12  
RIGHT BRIDGE, REAR ABUTMENT

URS CONSULTANTS 664 White Pond Drive Akron, Ohio 44320		12/45
<b>ABUTMENT DETAILS</b>		
BR. NO. CUY - 271-0232 R		
I-271 OVER TINKERS CREEK VALLEY		
CUYAHOGA COUNTY		OHIO
STA. 140+05.74		TO STA. 150+83.32
DESIGNED	DRAWN	TRACED
BWB	LDG	KMH
CHECKED	REVIEWED	DATE
		1-9-95

NOTES

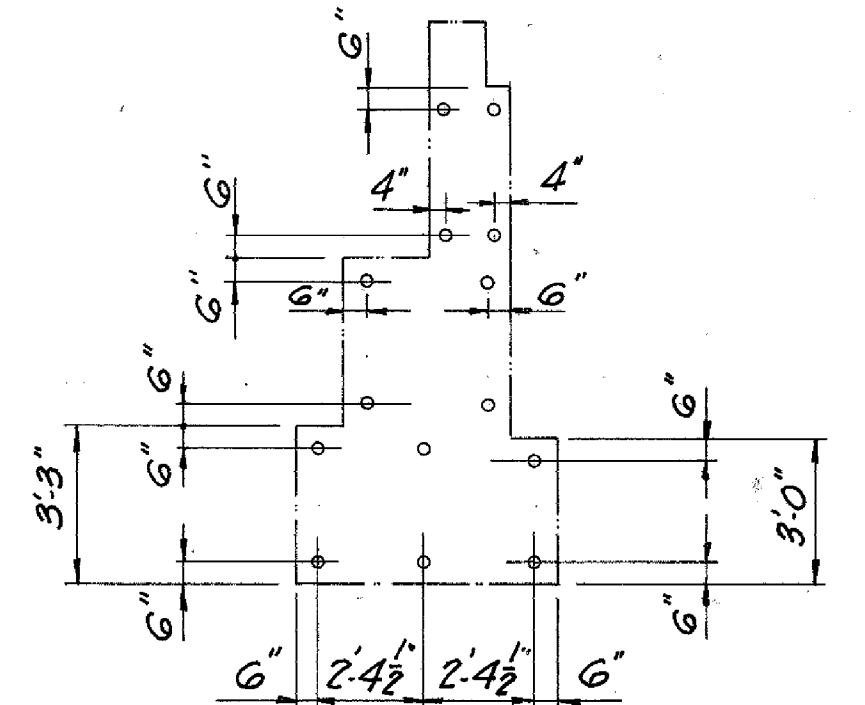
- ① FOR VIEWS A-A AND B-B SEE SHEET 16/45.
- ⊗ DENOTES AREA TO BE REPAIRED AS PER ITEM 519 - PATCHING CONCRETE STRUCTURE
- ② THE BAR PREFIX TO BE ADDED TO ALL REINFORCING BAR MARKS IN THIS ABUTMENT SHALL BE AS FOLLOWS:  
PHASE I : 32EA  
PHASE II : 42EA
- ③ FOR SECTION C-C AND D-D, SEE SHEET 15/45.
- ④ FOR ABUTMENT AND WINGWALL DRAINAGE AND REMOVAL DETAILS, SEE SHEET 16/45.
- ⑤ REMOVE EXISTING WINGWALL, BACKWALL AND FILLET TO TOP OF EXISTING SEAT ELEVATION.



ELEVATION

PATCHING AREAS SUMMARY	
TOTAL AREA	ESTIMATED AREA*
55 S.F.	220 S.F.

\* AREA INCREASED 4 TIMES ACTUAL AMOUNT



DOWEL HOLE LAYOUT

REV. 3/2000, NRC - DISTRICT 12  
**RIGHT BRIDGE, FORWARD ABUTMENT**

URS CONSULTANTS 564 White Pond Drive Akron, Ohio 44320		13/45
<b>ABUTMENT DETAILS</b>		
BR. NO. CUY - 271-0232 R		
I- 271 OVER TINKERS CREEK VALLEY		
CUYAHOGA COUNTY		OHIO
STA. 140+05.74 TO		STA. 150+83.32
DESIGNED	DRAWN	TRACED
BJS	COG	KMH
CHECKED	REVIEWED	DATE
BJS	COG	1-9-05

F.H.W.A. REG.	STATE	PROJECT
5	OHIO	

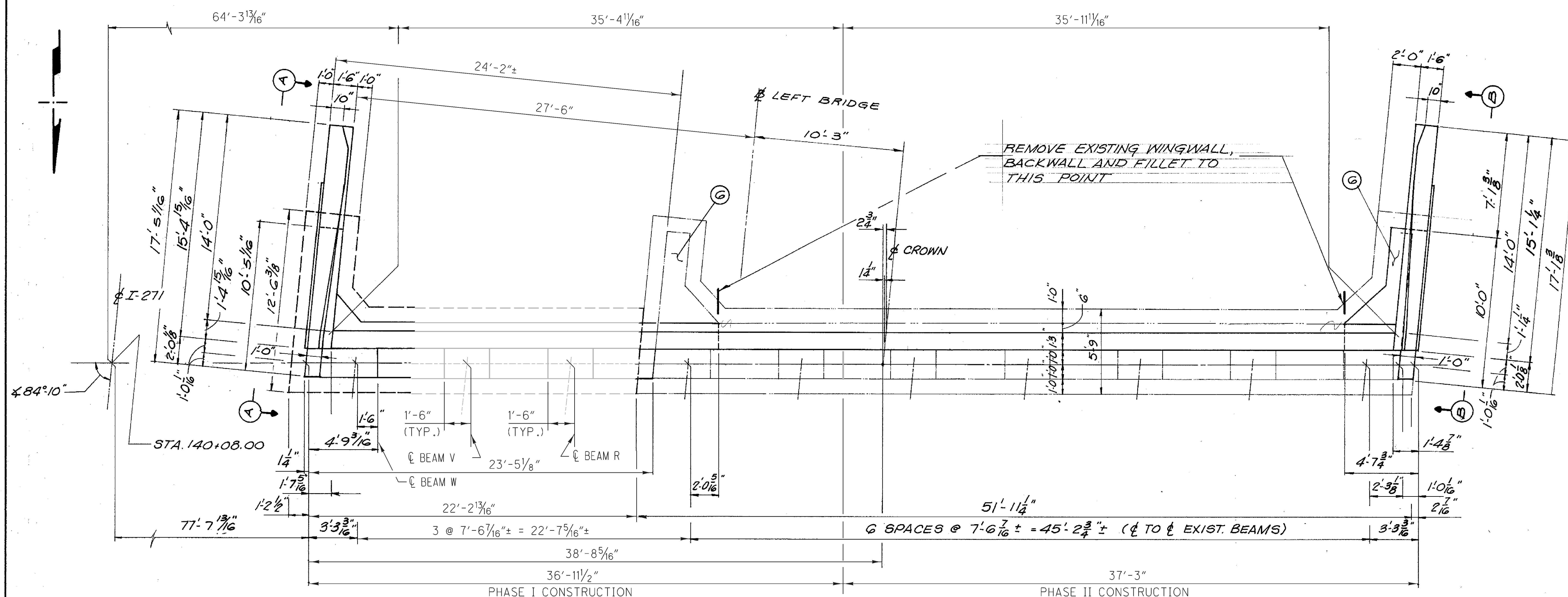
33  
64

CUYAHOGA COUNTY  
CUY-271-02.32

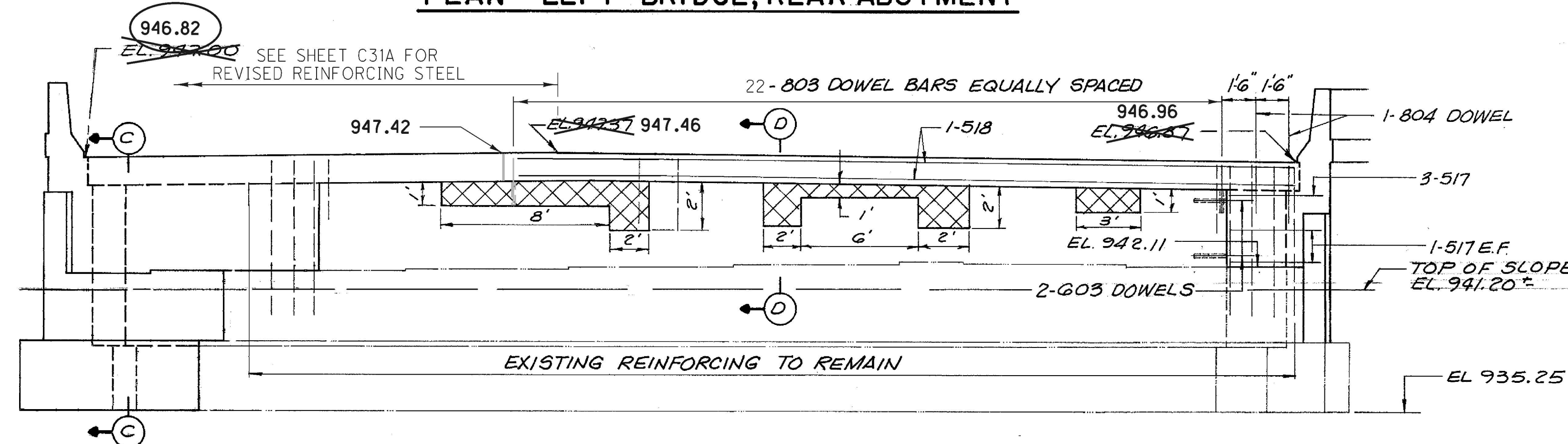
NOTES

- FOR VIEWS A-A AND B-B SEE SHEET 16/45.
- XXXX DENOTES AREA TO BE REPAIRED AS PER ITEM 519-PATCHING CONCRETE STRUCTURE.

THE BAR PREFIX TO BE ADDED TO ALL REINFORCING BAR MARKS IN THIS ABUTMENT SHALL BE AS FOLLOWS:  
 PHASE I : 11EA  
 PHASE II : 21EA
- FOR SECTION C-C AND D-D, SEE SHEET 15/45.
- FOR DOWEL HOLE LAYOUT IN THE ABUTMENT, SEE SHEET 13/45.
- FOR ABUTMENT AND WINGWALL DRAINAGE AND REMOVAL DETAILS, SEE SHEET 16/45.
- REMOVE EXISTING WINGWALL, BACKWALL AND FILLET TO TOP OF EXISTING SEAT ELEVATION.



PLAN - LEFT BRIDGE, REAR ABUTMENT



ELEVATION

PATCHING AREAS SUMMARY	
TOTAL AREA	ESTIMATED AREA*
29 SF	116 SF

\* AREA INCREASED 4 TIMES ACTUAL AMOUNT

REV. 3/2000, NRC - DISTRICT 12  
LEFT BRIDGE, REAR ABUTMENT

URS CONSULTANTS  
664 White Pond Drive  
Akron, Ohio 44321

14/45

ABUTMENT DETAILS

BR. NO. CUY - 271-02.32 L  
1-271 OVER TINKERS CREEK VALLEY  
CUYAHOGA COUNTY      OHIO  
STA. 140+05.74 TO STA. 150+ 83.32

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
BJB	CDG		KMH	gop	1-9-95	



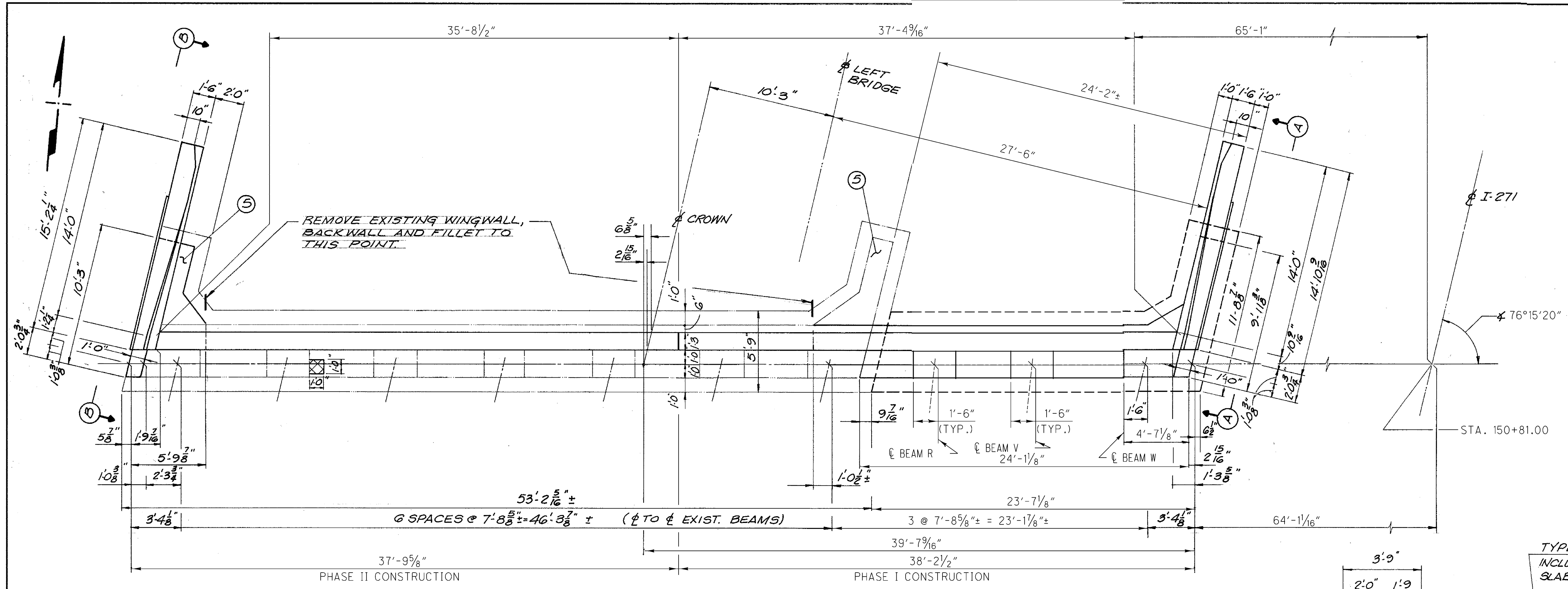
F.H.W.A. REG.	STATE	PROJECT
5	OHIO	

34  
64

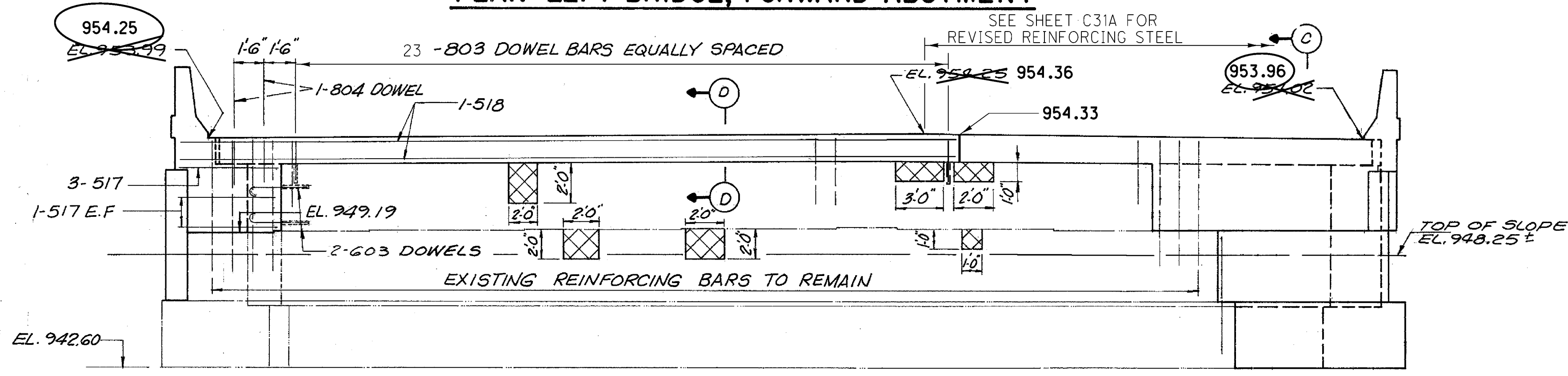
CUYAHOGA COUNTY  
CUY-271-02.32

**NOTES**

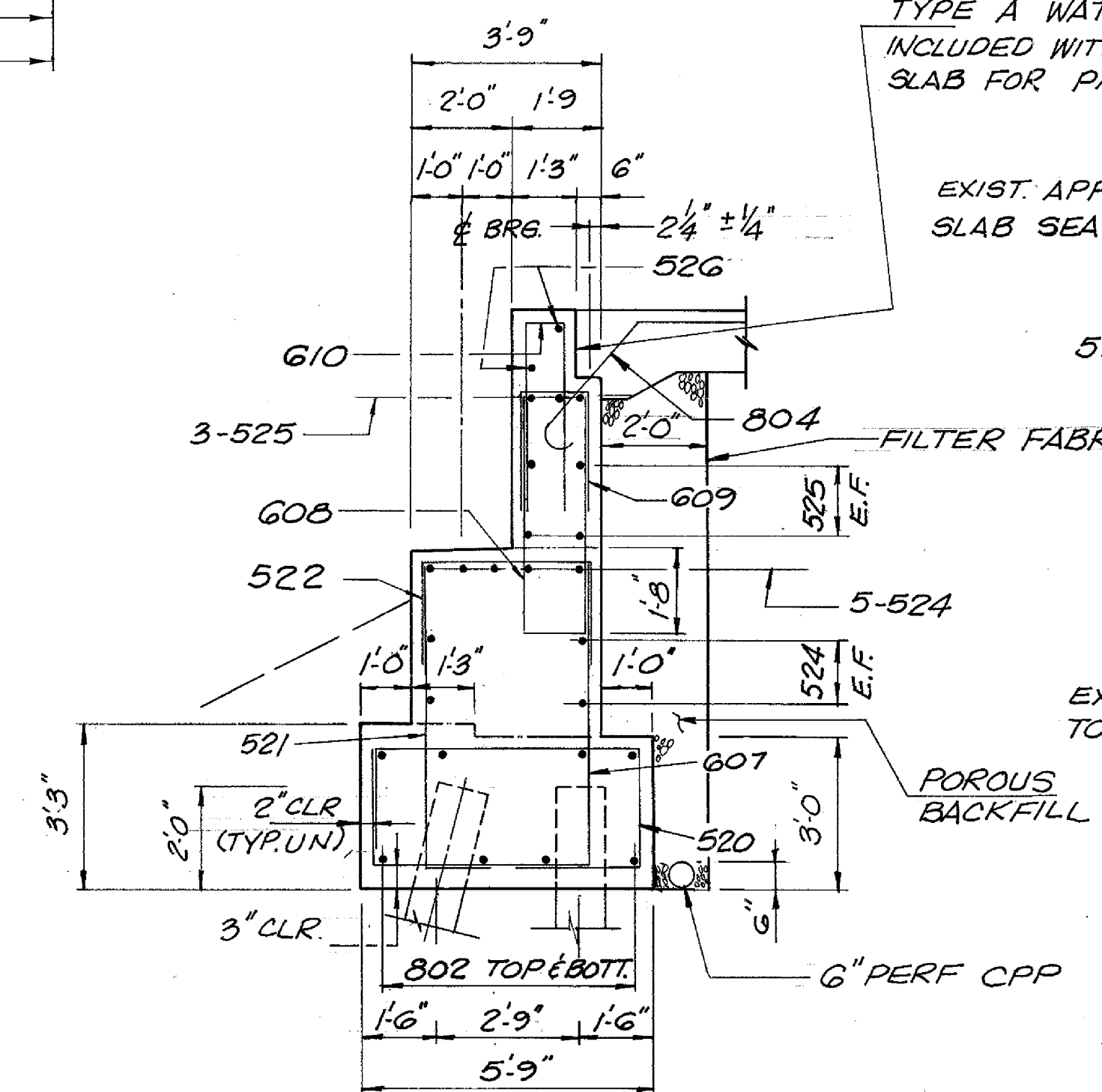
- ① FOR VIEWS A-A & B-B SEE SHEET 16/45.
- ⊗ DENOTES AREA TO BE REPAIRED AS PER ITEM 519 - PATCHING CONCRETE STRUCTURE.
- ② THE BAR PREFIX TO BE ADDED TO ALL REINFORCING BAR MARKS IN THIS ABUTMENT SHALL BE AS FOLLOWS:  
PHASE I: 12EA  
PHASE II: 22EA
- ③ FOR DOWEL HOLE LAYOUT IN THE ABUTMENT, SEE SHEET 13/45.
- ④ FOR ABUTMENT AND WINGWALL DRAINAGE AND REMOVAL, SEE SHEET 16/45.
- ⑤ REMOVE EXISTING WINGWALL, BACKWALL AND FILLET TO TOP OF EXISTING SEAT ELEVATION.



**PLAN-LLEFT BRIDGE, FORWARD ABUTMENT**



**ELEVATION**



**SECTION D-D**

EXISTING BACKWALL REMOVED TO EXISTING APPROACH SLAB SEAT

**PATCHING AREAS SUMMARY**

TOTAL AREA	ESTIMATED AREA*
19 SF	76 SF

\* AREA INCREASED 4 TIMES ACTUAL AMOUNT

REV. 3/2000, NRC - DISTRICT 12  
**LEFT BRIDGE, FORWARD ABUTMENT**

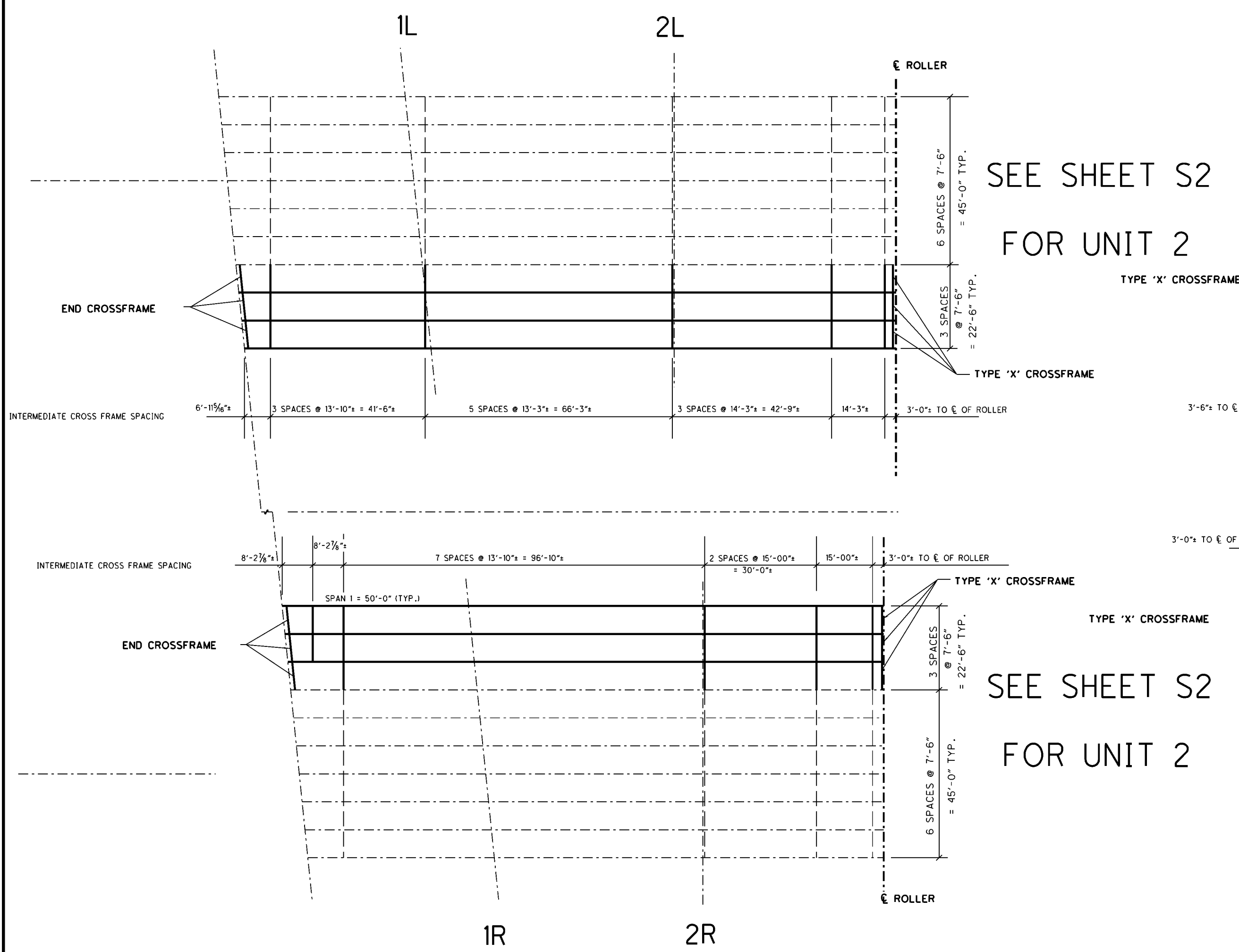
URS CONSULTANTS  
884 White Pond Drive  
Akron, Ohio 44320

15/45

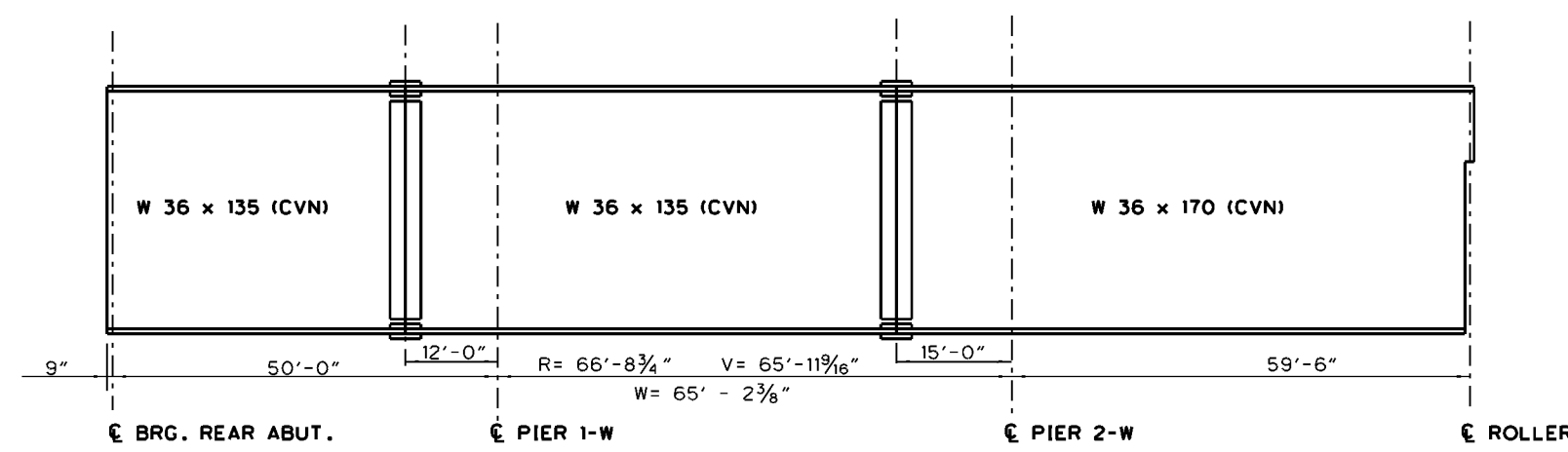
**ABUTMENT DETAILS**  
BR. NO. CUY - 271-0232 L  
I-271 OVER TINKERS CREEK VALLEY

CUYAHOGA COUNTY OHIO  
STA. 140+05.74 TO STA. 150+83.32

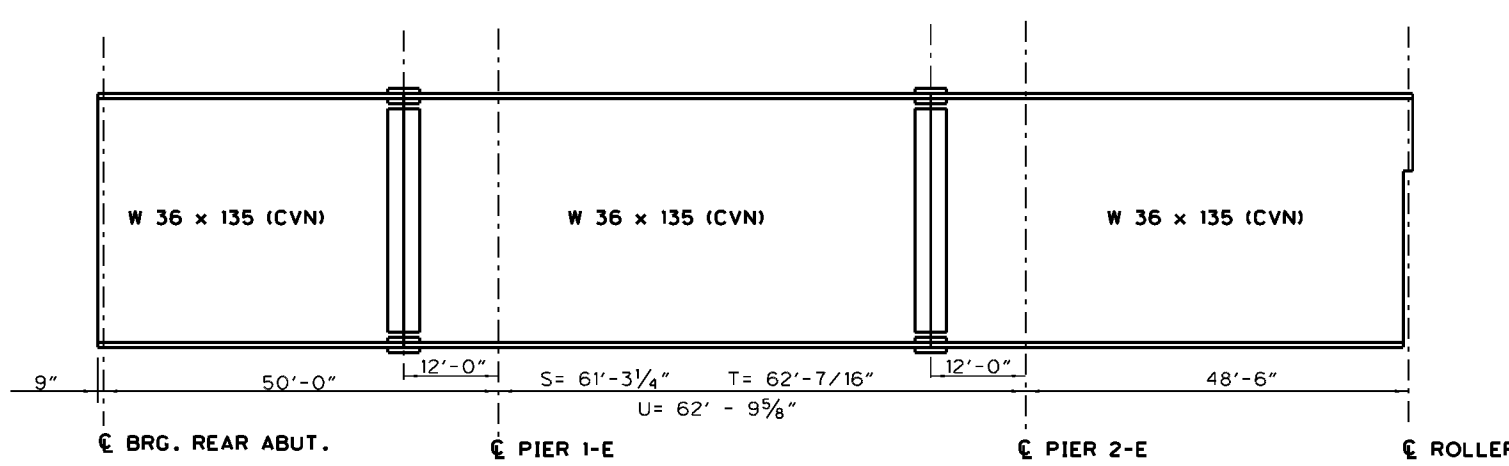
DESIGNED BJS	DRAWN CDG	TRACED	CHECKED KMH	REVIEWED JOT	DATE 1/95	REVISED
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FRAMING PLAN UNIT 1

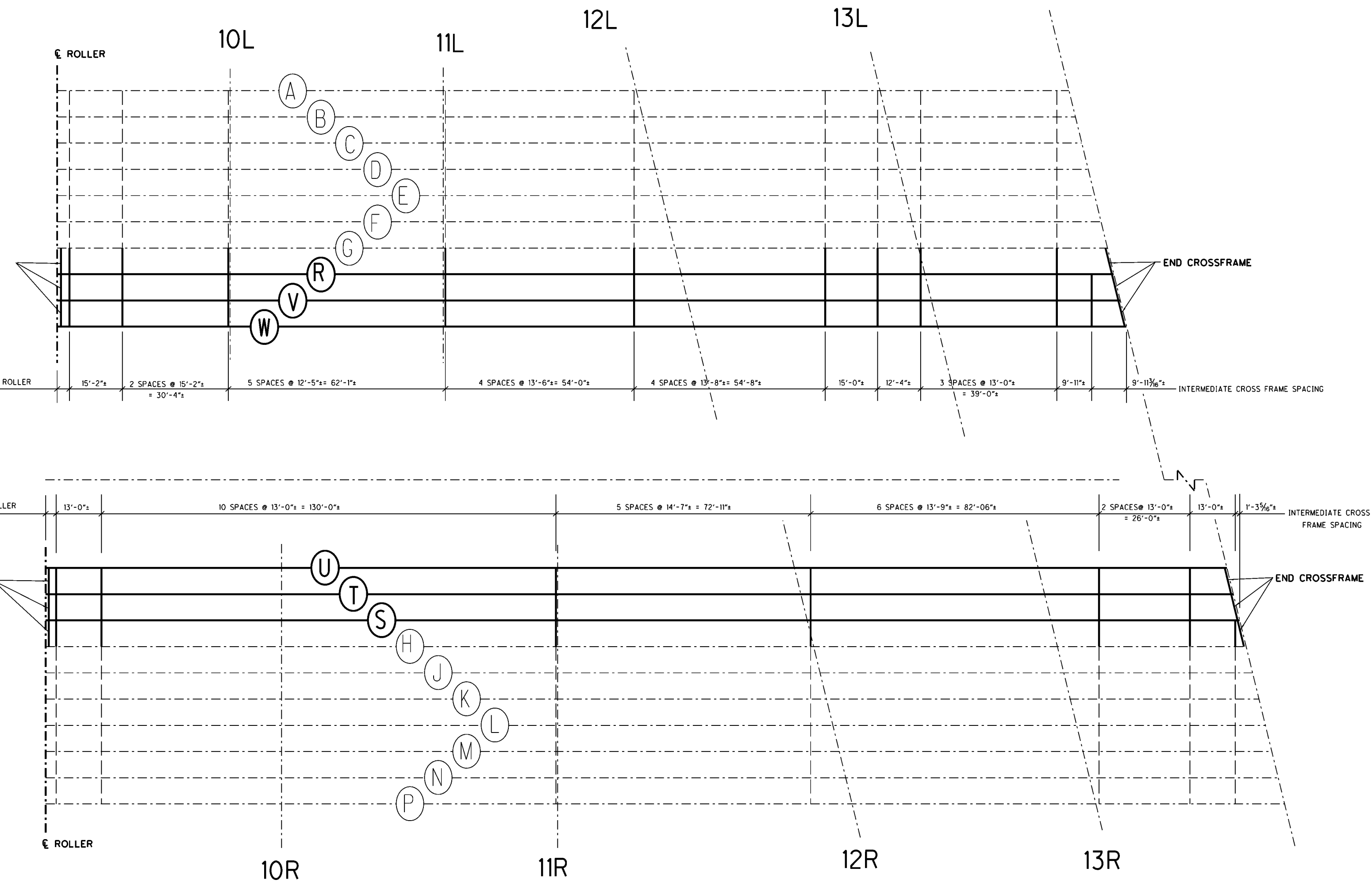


ELEVATION - BEAMS 'R', 'V', & 'W' UNIT 1

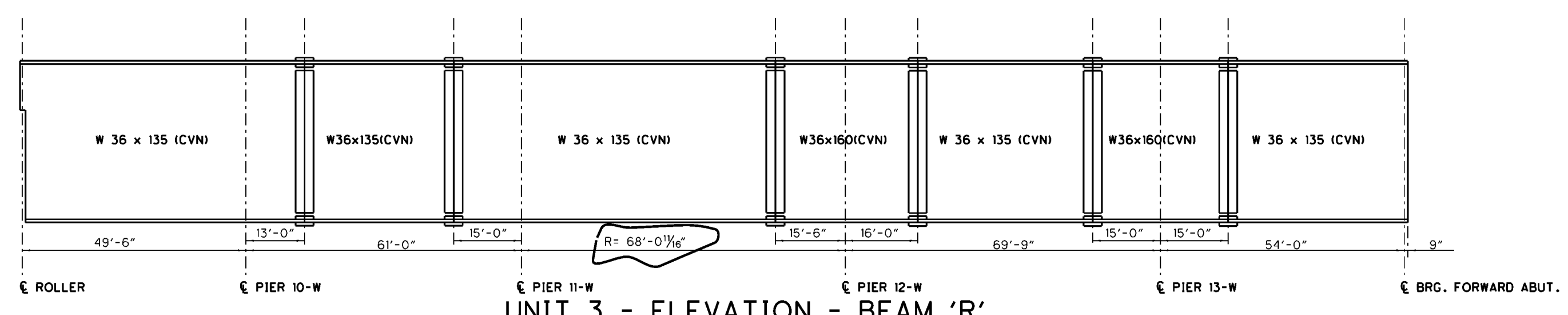


ELEVATION - BEAMS 'S', 'T', & 'U' UNIT 1

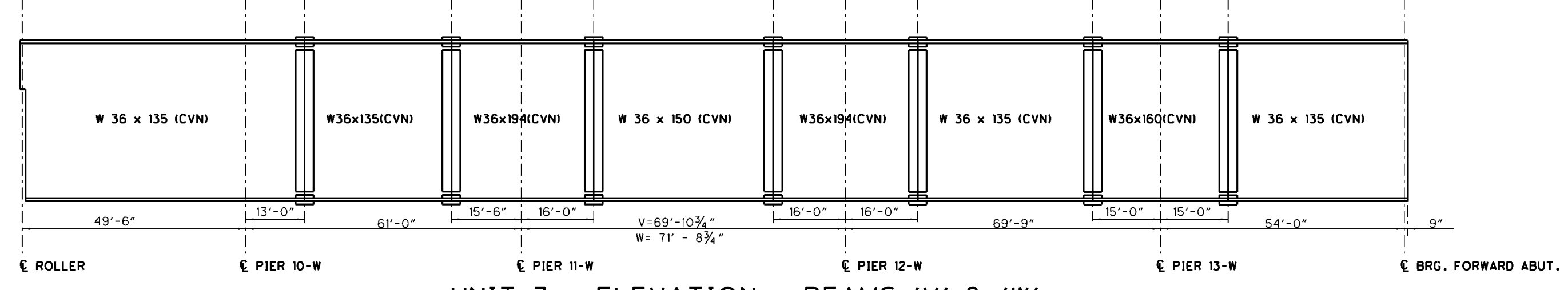
CAMBER FOR UNITS 1 AND 3 BEAMS 'T', 'U', 'V', AND 'W' WILL BE PROVIDED AT A LATER DATE.



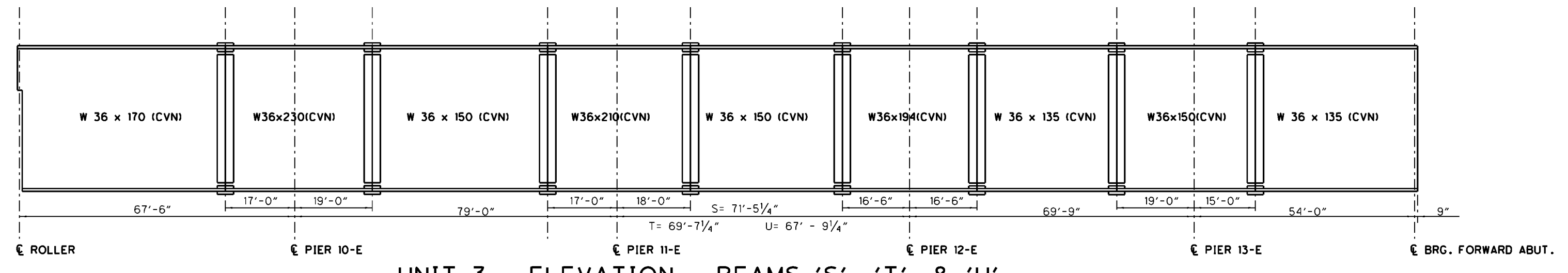
FRAMING PLAN UNIT 3



UNIT 3 - ELEVATION - BEAM 'R'



UNIT 3 - ELEVATION - BEAMS 'V' & 'W'



UNIT 3 - ELEVATION - BEAMS 'S', 'T', & 'U'

DESIGN AGENCY  
ODOT  
DISTRICT 12  
PRODUCTION

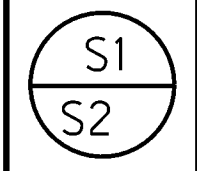
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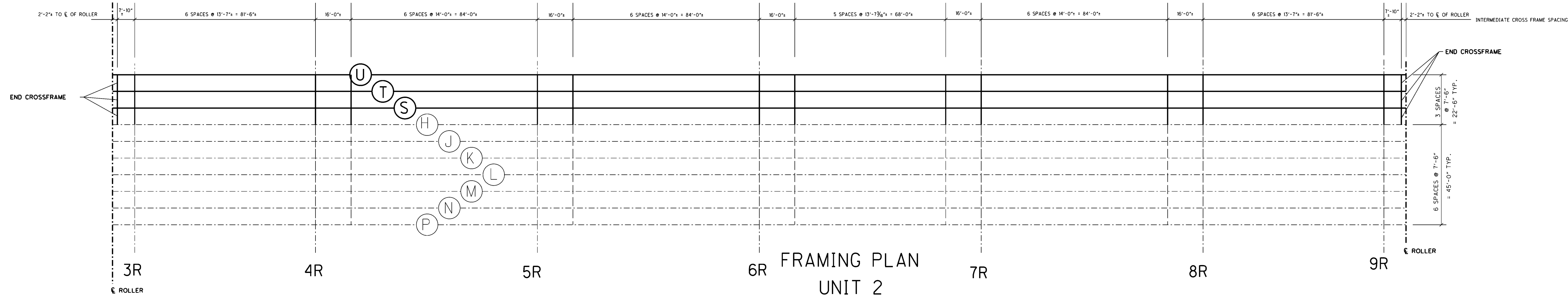
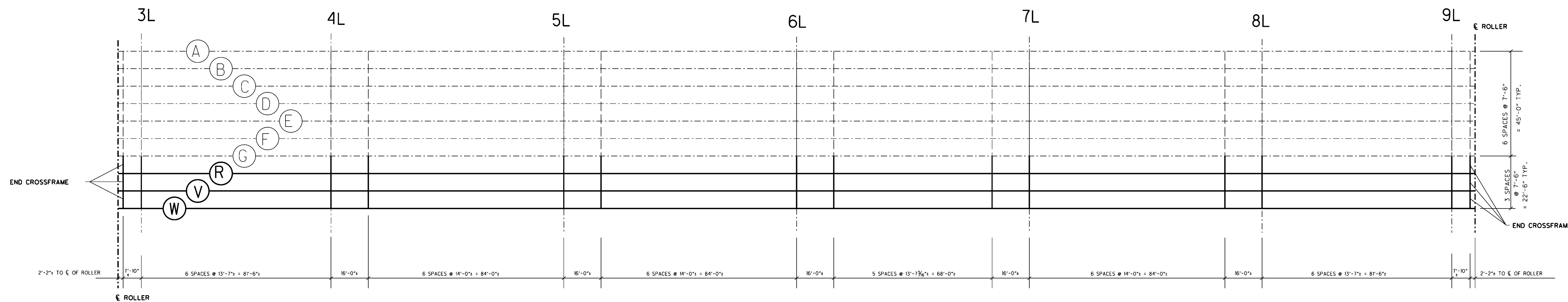
DRAWN  
MJM  
CHECKED  
NRC

DESIGNED  
MJM

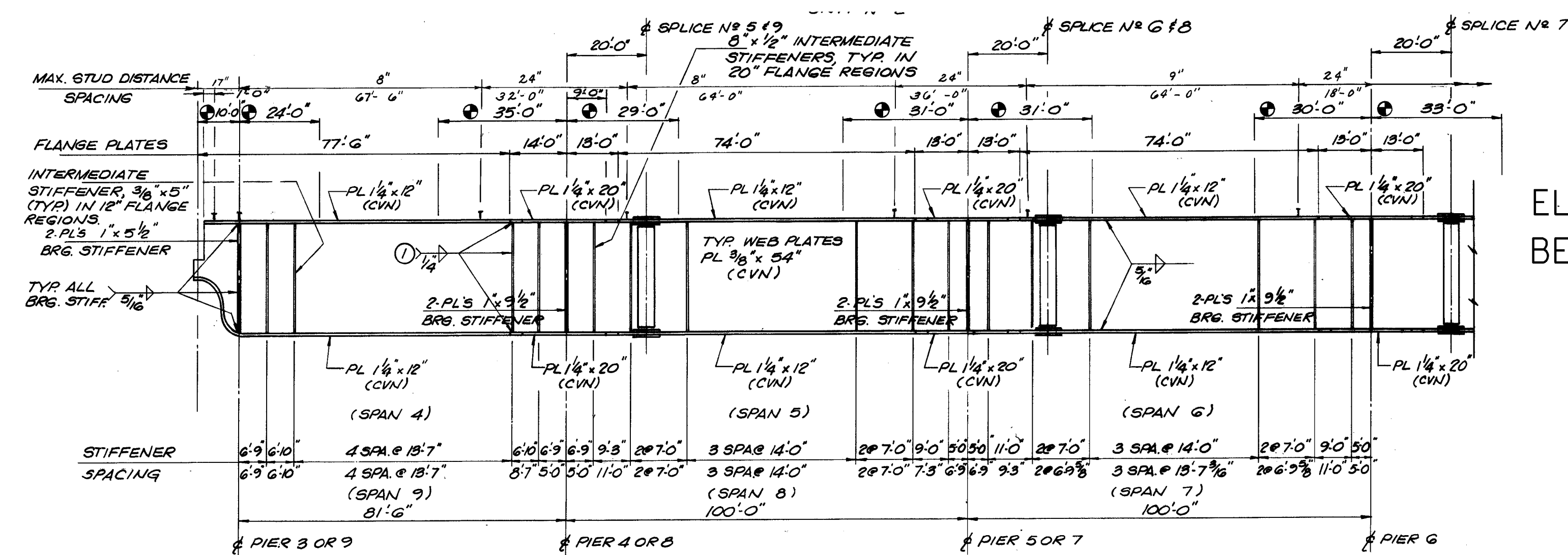
MODIFIED FRAMING PLAN UNITS 1 AND 3  
BRIDGE NO. CUY-271-0232 L&R

CUYAHOGA COUNTY  
CUY-271-2.32  
(480-99)





FRAMING PLAN  
UNIT 2



ELEVATION - GIRDERS - UNIT 2 GIRDERS SYMMETRIC ABOUT PIER 6  
BEAMS U AND W WILL HAVE STIFFENERS ONLY ON INSIDE, ALL OTHER  
GIRDERS WILL HAVE STIFFENERS ON BOTH SIDES  
SEE SHEET 40/64 FOR ADDITIONAL NOTES AND DETAILS