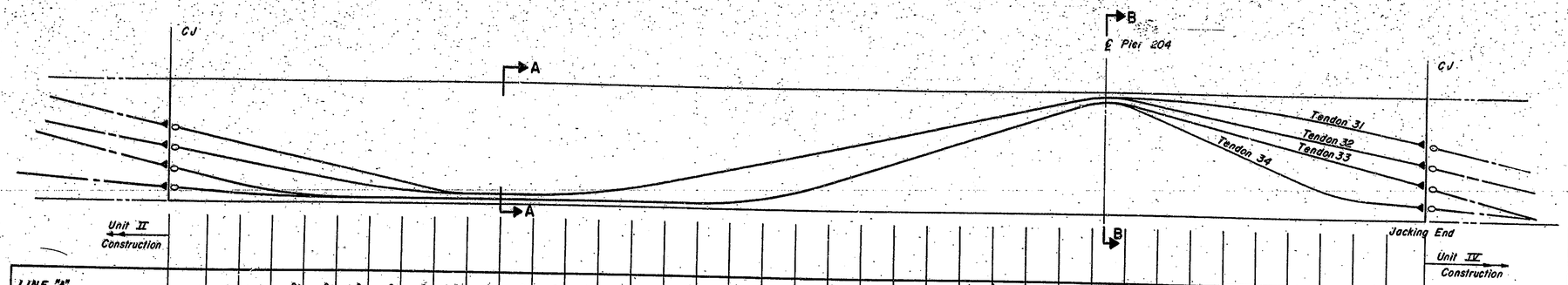


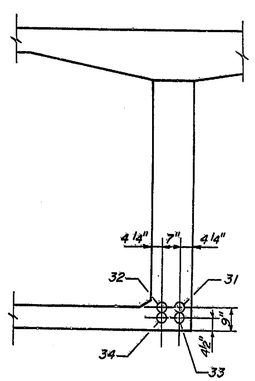
LINE "A" REFERENCE ABSCISSA	0.000	5.832	10.832	15.832	20.832	25.832	30.832	35.832	40.832	45.832	50.832	55.832	60.832	65.832	70.832	75.832	80.832	85.832	90.832	95.832	100.832	105.832	110.832	115.832	120.832	125.832	130.832	135.832	140.832	145.832	150.832	155.832	160.832	165.832	170.832	175.832	180.832	185.832	191.663
TENDON 31- 19K6 * DISTANCE /BOTT. SLAB	5.332	4.690	4.138	3.587	3.036	2.485	1.934	1.383	0.832	0.583	0.583	0.585	0.668	0.881	1.224	1.695	2.216	2.736	3.256	3.777	4.297	4.818	5.338	5.858	6.379	6.899	7.420	7.940	8.407	8.445	8.368	8.220	8.002	7.713	7.354	6.925	6.431	5.924	5.332
TENDON 32- 19K6 DISTANCE /BOTT. SLAB	3.833	3.300	2.843	2.386	1.929	1.472	1.072	0.790	0.628	0.583	0.583	0.585	0.668	0.881	1.224	1.695	2.216	2.736	3.256	3.777	4.297	4.818	5.338	5.858	6.379	6.899	7.420	7.940	8.407	8.345	7.863	7.370	6.876	6.383	5.889	5.395	4.902	4.408	3.833
TENDON 33- 19K6 DISTANCE /BOTT. SLAB	2.332	1.669	1.115	0.679	0.385	0.232	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.210	0.332	0.649	1.159	1.862	2.640	3.418	4.196	4.974	5.752	6.530	7.308	8.007	7.943	7.343	6.730	6.116	5.502	4.889	4.275	3.661	3.048	2.332
TENDON 34- 19K6 DISTANCE /BOTT. SLAB	0.833	0.638	0.475	0.347	0.260	0.215	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.210	0.332	0.649	1.159	1.862	2.640	3.418	4.196	4.974	5.752	6.530	7.308	8.007	7.850	6.857	5.842	4.826	3.811	2.795	1.838	1.252	1.032	0.833
RIGHT WEB	0.000	5.838	5.005	5.006	5.006	5.006	5.006	5.006	5.006	5.007	5.007	5.008	5.009	5.009	5.010	5.010	5.011	5.011	5.011	5.012	5.012	5.012	5.013	5.013	5.013	5.014	5.014	5.014	5.015	5.015	5.015	5.016	5.016	5.016	5.017	5.017	5.018	5.018	5.853
LEFT WEB	0.000	5.777	4.953	4.953	4.953	4.954	4.954	4.954	4.954	4.954	4.955	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	5.781

TENDON PROFILE ELEVATION

(Scale: Vert. 1/4" = 1'-0" Horiz 1/8" = 1'-0")

* Distance given from bottom of slab to bottom of tendon ducts.

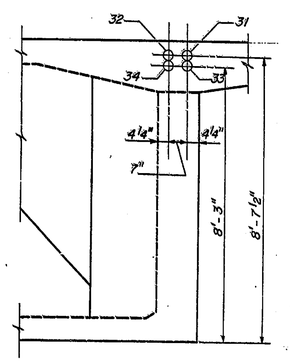
STRESSING SEQUENCE	TENDON NO.	NO. OF TENDONS	TYPE	JACKING FORCE	ELONGATION		LENGTH	
					LW	RW	LW	RW
1st	32	2	19K6	828	1.278'	1.292'	190.33	192.48'
2nd	33	2	19K6	828	1.252'	1.266'	190.58'	192.74'
3rd	31	2	19K6	828	1.273'	1.287'	190.35'	192.51'
4th	34	2	19K6	850	1.214'	1.228'	190.78'	192.94'
5th	35	2	12K6	549	1.071'	1.080'	151.59'	152.847'
6th	36	2	12K6	549	0.754'	0.759'	105.02'	105.62'



RIGHT WEB

SECTION A-A

LOOKING UP STATION



RIGHT WEB

SECTION B-B

LOOKING UP STATION

NOTE: These tendon lengths & elongation are from anchor plate to anchor plate.
Dimensions are on grade.
Tendon elevations are perpendicular to grade.
Tendon to be stressed from jacking end as indicated by ⟵.
Elongations based on a steel modulus of elasticity of 26.5×10^6 p.s.i.

LEGEND

- Dead End
- Jacking End
- Post-tensioning Coupler

DESIGNED M.M. CK'D. M.M.
DRAWN M.L.B. CK'D. G.R.
TRACED M.L.B. CK'D. G.R.

9-17-81

POST-TENSIONING LAYOUT - UNIT III

INDIANA STATE HIGHWAY COMMISSION

LAKE COUNTY - RAMP:- A SECTION:-
SCALE:- AS NOTED DATE:- June 29, 1981
SUBMITTED FOR APPROVAL Eugene C. Figg Jr.
DRAWING:- OF SHEET:- 143 OF
PROJECT:- MM 220-1 (8)
CONTRACT NO. B-12752
BRIDGE FILE:- 912-45-2546 RWX

EUGENE C. FIGG JR. REGISTERED 1983 STATE OF INDIANA PROFESSIONAL ENGINEER