State of New Jersey
DEPARTMENT OF TRANSPORTATION
1035 PARKWAY AVENUE
CN 600
TRENTON, NEW JERSEY 08625

Thomas M. Downs
Commissioner

IN REPLY PLEASE REFER TO

Positioning of Chain Link Fence at Drainage Ditches and Revision to Standard Roadway Construction Detail CD-32

August 14, 1990

MEMORANDUM
All Design Units

For all projects which include chain link fence, consideration shall be given to the proposed location of chain link fence in the vicinity of streams and water crossings during the preparation of contract plans.

When positioning chain link fence, designers shall avoid crossing streams, drainage ditches, and other water crossings. Upon encountering headwalls or culverts with a wingwall height of less than 5' above ground elevation, designers shall align chain link fence to extend over and behind the structure as shown on Attachment No. 1. Upon encountering headwalls or culverts with a wingwall height of 5' or higher above ground elevation, designers shall align chain link fence to butt against the wingwalls of the structure as also shown on Attachment No. 1.

A 3' wide gate shall be provided to allow access of maintenance personnel. The approximate position of the gate shall be as shown on Attachment No. 1.

A detail of the 3' wide gate has been added to Construction Detail Sheet CD-32 as CD-32.5 and shall be added to all projects where chain link fence is to be constructed in the vicinity of drainage ditches and other water crossings.

A copy of CD-32 with the gate detail incorporated therein is also attached.

RECOMMENDED BY:

Robert K. Suess
Chief, Bureau of Roadway
Plans and Specifications

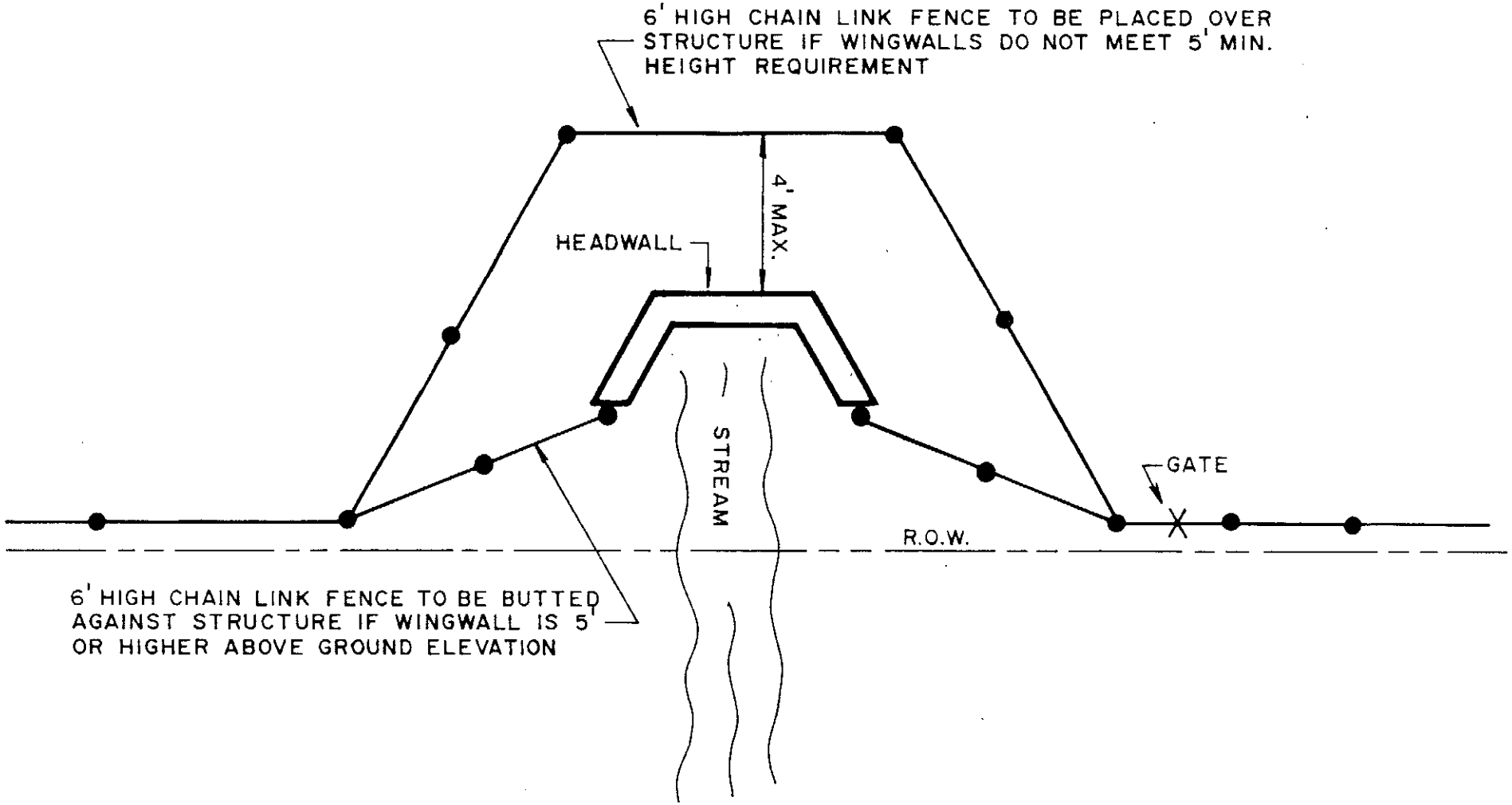
APPROVED BY:

Charles Takacs
Director, Division of Roadway Design
(Chief Engineer of Roadway Design)

Implementation Code B

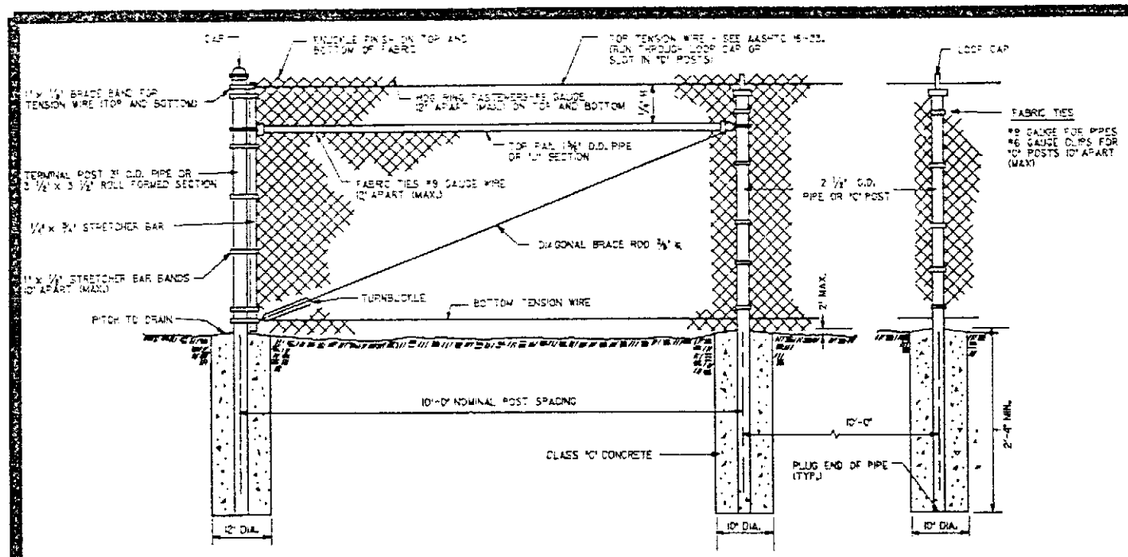
Attachment

90036 ADU-2
CT:CK:ab



NOT TO SCALE

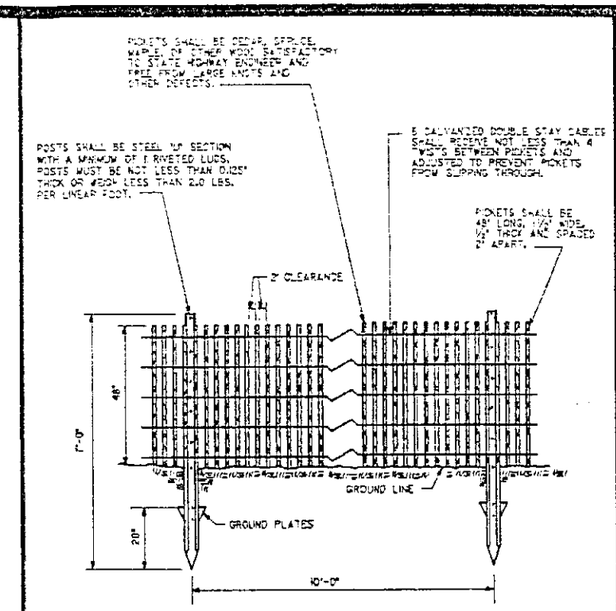
ATTACHMENT NO. 1



CHAIN LINK FENCE, __' HIGH

N. T. S.

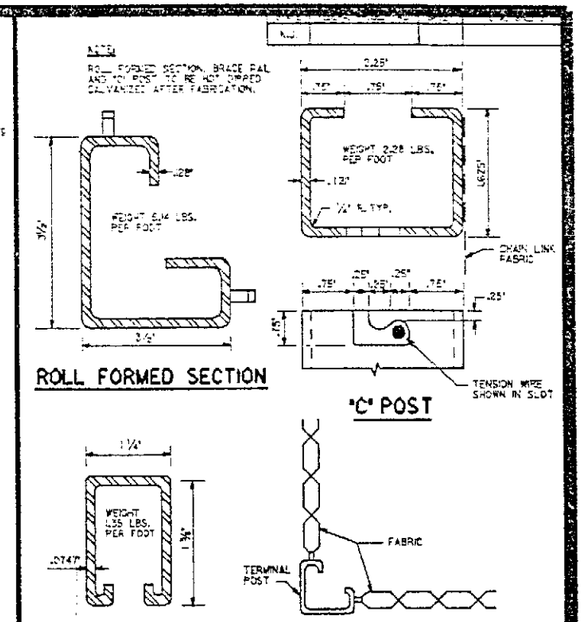
CD - 32.1



SNOW FENCE

N.T.S.

CD - 32.2



ROLL FORMED SECTION

"C" POST

BRACE RAIL

PLAN AT CORNER TERMINAL POST

N.T.S.

CD - 32.3

NOTES :

1. CHAIN-LINK FENCE FABRIC, POSTS, RAILS, TIES, BANDS, BARS, RODS, AND OTHER FITTINGS AND HARDWARE SHALL CONFORM TO AASHTO M181 FOR TYPES, GRADES AND CLASSES, AND AS NOTED BELOW.

2. POSTS

	TERMINAL, CORNER AND GATE POSTS		LINE POSTS		TOP OR BRACE RAIL	
	ROLL FORMED SECTION *	3" O.D. PIPE	* "C" POSTS	2 1/2" O.D. PIPE	"U" SECTION	1 5/8" O.D. PIPE
AASHTO TYPE	I OR II	I OR II	I OR II	I OR II	I OR II	I OR II
AASHTO GRADE	1	1 OR 2	1	1 OR 2	1	1 OR 2
LENGTH OF POST FOR						
4' FABRIC	6'-8"	6'-8"	6'-8"	6'-8"	NA	NA
5' FABRIC	7'-8"	7'-8"	7'-8"	7'-8"	NA	NA
6' FABRIC	8'-8"	8'-8"	8'-8"	8'-8"	NA	NA
ACTUAL OUTSIDE DIAMETER (IN.)	—	2.875	—	2.375	—	1.660
WALL THICKNESS (IN.)	—	GRADE 1= .203 GRADE 2= .160	—	GRADE 1= .154 GRADE 2= .120	—	GRADE 1= .140 GRADE 2= .111

* SHAPES OTHER THAN ROUND MAY ONLY BE USED WITH PRIOR APPROVAL.

3. FABRIC:

TYPE I AND TYPE II SHALL BE 9-GAUGE CORE WIRE, 2-INCH MESH
TYPE III FABRIC SHALL BE CLASS B.
TYPE III FABRIC SHALL BE GREY IN COLOR, AND SHALL MATCH FEDERAL STANDARD 595A, COLOR CHIP NO. 26493 (SEMI-GLOSS).

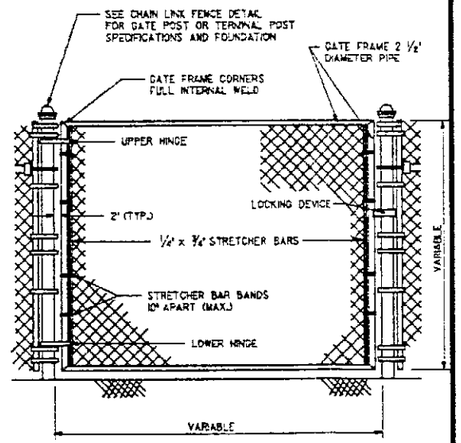
4. THE CENTERLINE OF ALL POSTS SHALL BE NOT LESS THAN 8' INSIDE R.O.W.

5. THE DEPTH OF CONCRETE FOOTINGS IN SOLID ROCK MAY BE REDUCED TO ON FOOT BELOW THE TOP OF ROCK AND THE DIAMETER OF THE HOLE IN ROCK MAY BE REDUCED TO 3 1/2'.

6. CAPS NOT REQUIRED FOR "C" OR "ROLL FORMED SECTION" POSTS.

7. BRACE BANDS AND STRETCHER BAR BANDS SHALL BE FURNISHED WITH 5/8" ø CARRIAGE BOLTS AND ELASTIC STOP NUTS.

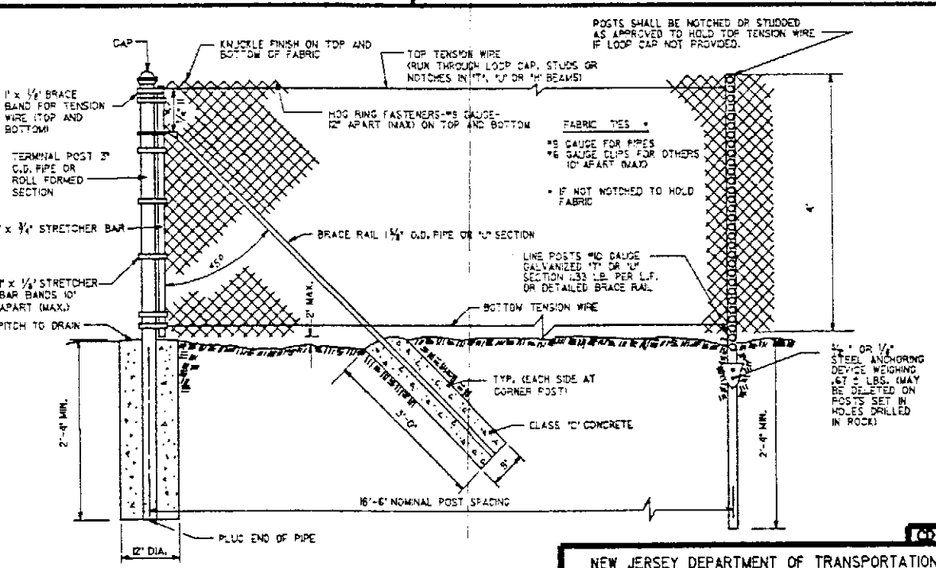
CD - 32.6



GATES, CHAIN LINK FENCE, __' WIDE

N.T.S.

CD - 32.5



NOTE:

CORNER POSTS, BRACE RAILS AND LINE POSTS LOCATED IN HOLLOWS AND LINE POSTS EVERY 198 FT. SHALL BE SET IN CONCRETE.

CHAIN LINK FARM - TYPE FENCE

N.T.S.

CD - 32.4

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAIL

A(U) 1/18/90 - ADDED GATE DETAIL
A(U) 1/12/89 - CHANGED FENCIAL BLOCK
A(U) 4/13/88 - ORIGINAL SHEET