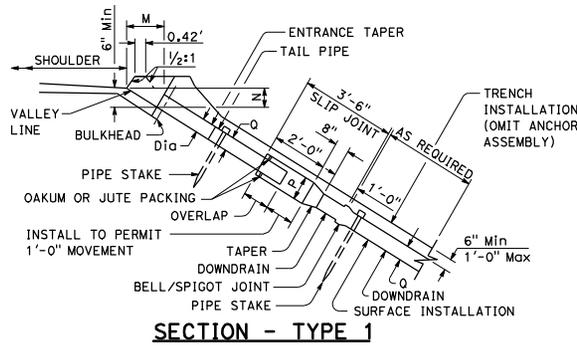


ENTRANCE TAPER - TYPE 1



SECTION - TYPE 1

NOTES:

1. Cable or slip joint to be used when specified.
2. Slip joint to be omitted when completely buried.

PLASTIC PIPE DIMENSIONS AS TABULATED BELOW.

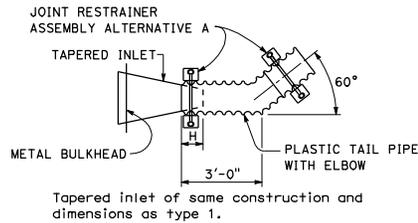
P	10"	15"	18"	21"	27"
Q	8"	12"	15"	18"	24"

Dia	Min L	M	N
8"	10'-0"	1'-6"	8"
12"	15'-0"	1'-8"	1'-0"
15"	25'-0"	2'-0"	1'-3"
18"	30'-0"	2'-6"	1'-4"
24"	40'-0"	3'-0"	1'-6"

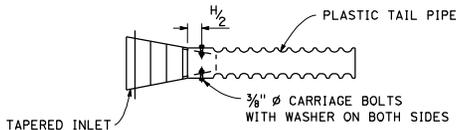
TAPER JOINTS MAY BE WELDED OR RIVETED. DIMENSIONS TO BE AS TABULATED BELOW.

Dia	A	B	C	D	E	F	G	H
8"	1'-4"	2'-1 1/2"	1'-3"	4 3/4"	5"	6'-0"	2'-0"	1'-0"
12"	1'-6"	2'-1 1/2"	1'-7"	3 3/4"	5"	6'-0"	2'-0"	1'-0"
15"	1'-9"	2'-6"	1'-11"	4 1/2"	6"	6'-0"	2'-0"	1'-2"
18"	2'-0"	2'-10"	2'-3"	5"	7"	6'-0"	2'-0"	1'-4"
24"	2'-10"	3'-10"	2'-11"	6"	9"	4'-0"	4'-0"	1'-6"

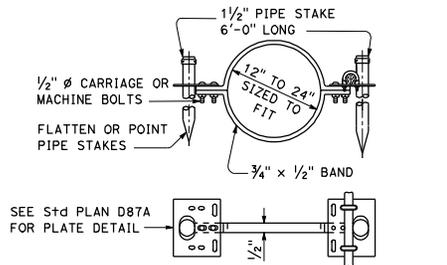
ENTRANCE TAPER - TYPE 1



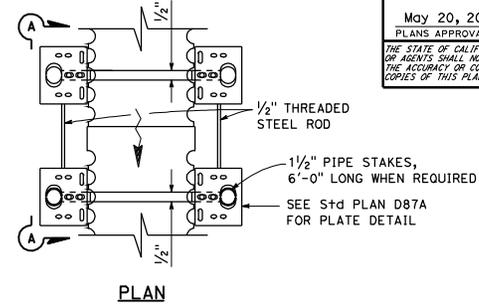
ENTRANCE TAPER - TYPE 2



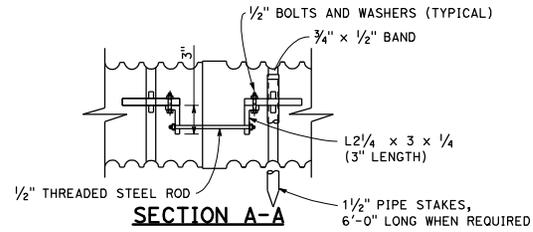
DETAIL "A"
(See Note 6)



PLASTIC PIPE JOINT RESTRAINER ASSEMBLY
Alternative A



PLAN



SECTION A-A PLASTIC PIPE JOINT RESTRAINER ASSEMBLY
Alternative B

NOTES:

1. See Standard Plan D87A for details of entrance taper placement at dike.
2. Pipe stakes to be used with joint restrainer when specified.
3. Plastic pipe and fittings used for overside drains shall be from one manufacturer for each installation.
4. Entrance taper "H" dimension is length of insertion of metal taper into plastic pipe.
5. For cable anchorage system details, see Standard Plan D87C.
6. At contractors option, tail pipe and tapered inlet may be supplied from manufacturer as a pre-connected unit as shown in Detail "A".

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PLASTIC PIPE DOWNDRAIN DETAILS

NO SCALE

D87B

D16+	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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Glenn DeCou
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

Glenn DeCou
No. C34547
Exp. 9-30-11
CIVIL
STATE OF CALIFORNIA

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