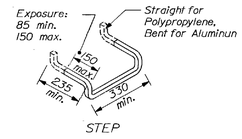
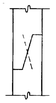
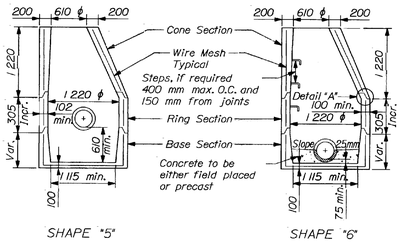


STEP



DETAIL "A"
Alternate Joint

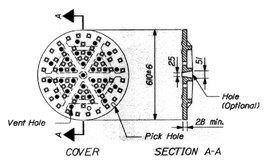


SHAPE "5"

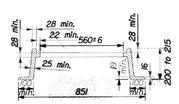
SHAPE "6"

Dimensions are intended to be nominal.

MANHOLE DETAIL
N.T.S.



COVER SECTION A-A

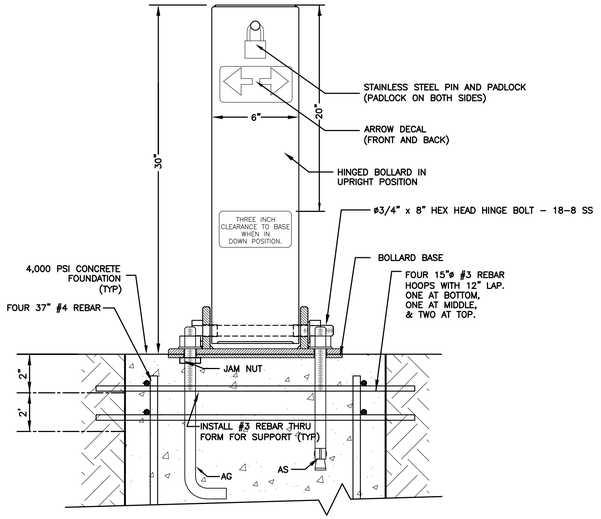


FRAME

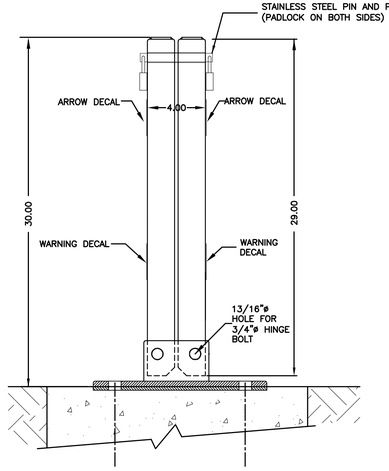
Notes:

1. Manhole frames and covers are to be machined to a smooth fit and shall be of gray cast iron.
2. Diamond top surface is optional.

MANHOLE TOP 'D'
N.T.S.



FRONT ELEVATION
N.T.S.



SIDE ELEVATION
N.T.S.

NOTE:

DOUBLE HINGED COLLAPSIBLE BOLLARDS AS MANUFACTURED BY:

TRAFFIC GUARD LLC
P.O. BOX 201
GENEVA, IL. 60134
PHONE: 877-727-7347
FAX: 630-365-1947
WEBSITE: www.trafficguard.net

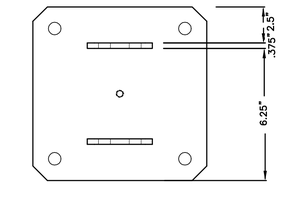
MODEL #DHB

CHOICE OF ANCHORAGE SYSTEMS:

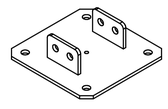
"AS" – 3/4"ø X 10" EXPANSION ANCHOR ASTM SS316 HILTI KWIK BOLT II CATALOG #00045490 WITH HEX HEAD NUT AND TYPE "A" FLAT WASHER. INSTALL PER SPECIFICATION AND AS NOTED.

"AG" – 3/4"ø X 12" ASTM A36 L-HOOK ANCHOR BOLT WITH HEX HEAD NUT AND TYPE "A" FLAT WASHER. ALL H. D. GALVANIZED. INSTALL PER SPECIFICATION AND AS NOTED.

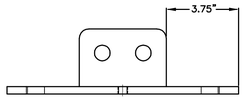
OR APPROVED EQUAL



PLAN VIEW



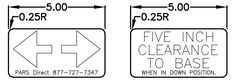
ISOMETRIC VIEW



ELEVATION

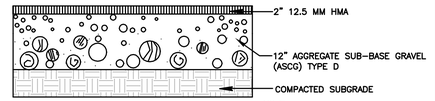
BASE
N.T.S.

DOUBLE HINGED COLLAPSIBLE BOLLARD DETAIL
N.T.S.



ARROW AND WARNING DECALS
N.T.S.

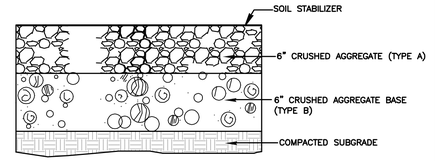
SCHEDULE OF SURFACE FINISHES



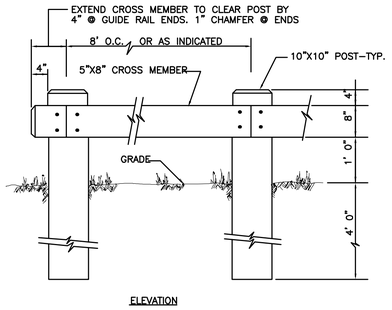
NOTE:
TO BE USED AT ROAD INTERSECTIONS AND BOLLARD APRONS

AT ROAD INTERSECTIONS THE CONTRACTOR MUST MATCH LINE AND GRADE OF THE EXISTING ROAD

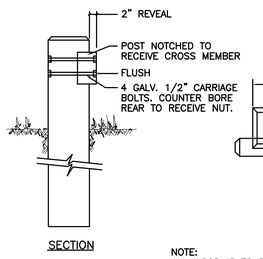
BITUMINOUS CONCRETE APRON
N.T.S.



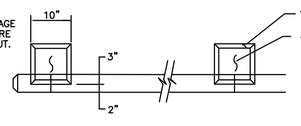
CRUSHED AGGREGATE PATH SURFACE
N.T.S.



ELEVATION



SECTION

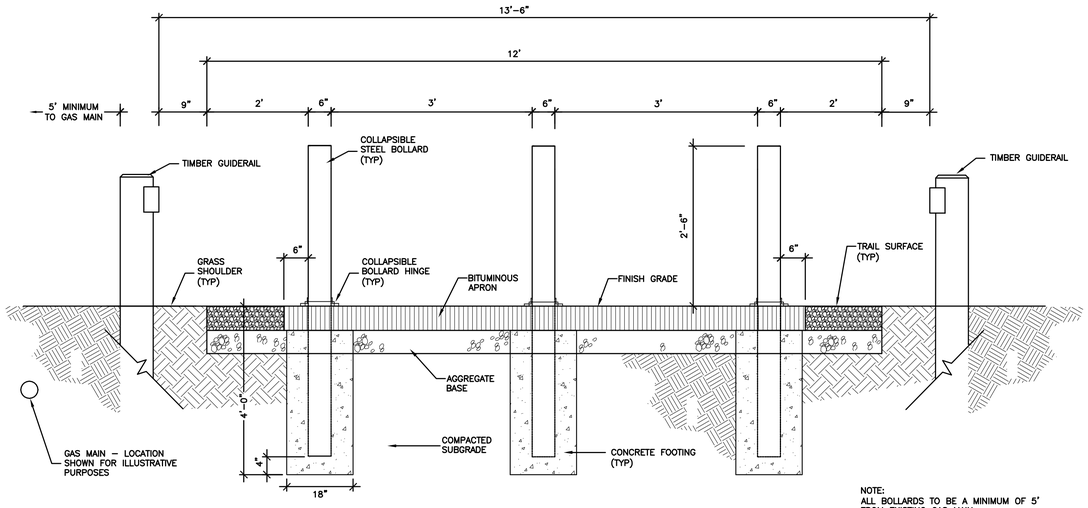


PLAN

TIMBER GUIDE RAIL
N.T.S.

NOTE:
ALL WOOD IS TO BE PRESSURE TREATED ACQ TIMBERS

ALL POSTS TO BE A MINIMUM OF 5' FROM EXISTING GAS MAIN.



COLLAPSIBLE BOLLARDS
N.T.S.

NOTE:
ALL BOLLARDS TO BE A MINIMUM OF 5' FROM EXISTING GAS MAIN.

REVISIONS

Engineering, Landscape Architecture and Environmental Science
MILONE & MACBROOM®
45 River Road, P.O. Box 549
Newcastle, Maine 04553
(207) 563-7878 Fax (207) 563-7879
www.miloneandmacbroom.com

SITE DETAILS
EASTERN TRAIL MANAGEMENT DISTRICT
PHASE II
SCARBOROUGH AND OLD ORCHARD BEACH, MAINE

--	MTD	DRB
DESIGNED	DRAWN	CHECKED

SCALE AS SHOWN

DATE OCTOBER 26, 2007

PROJECT NO. 2728-01

SD-2
SHEET NO.