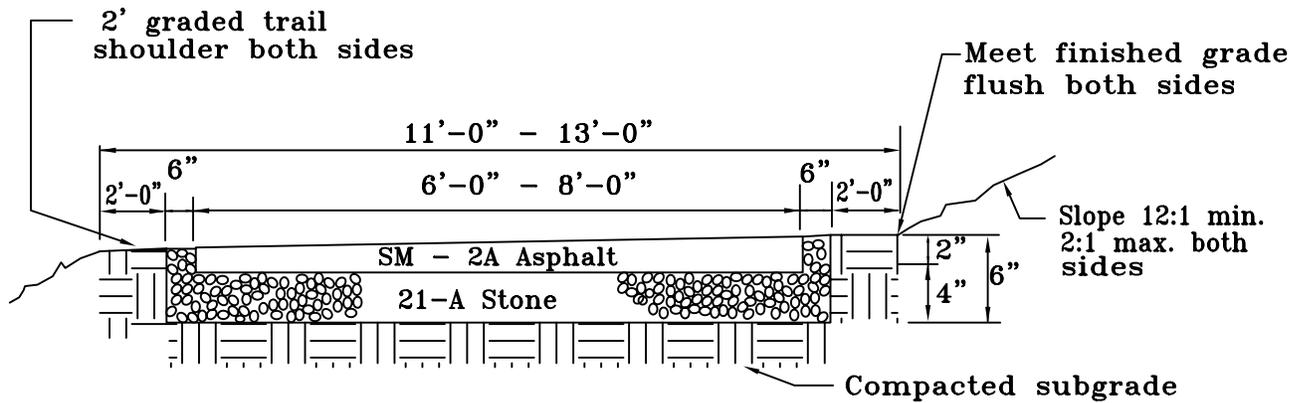


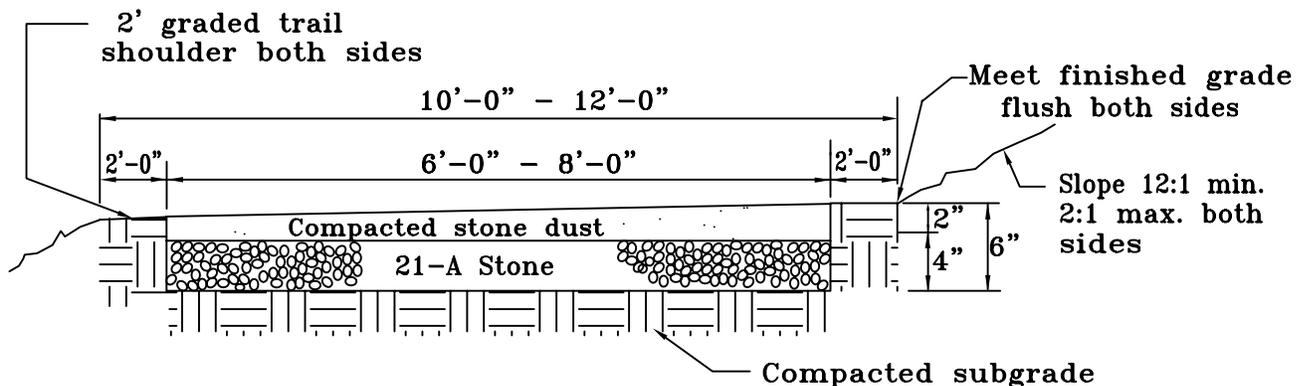
FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



TYPE I

Suitable for bicycle and general pedestrian use. 8' is the required minimum width for bikeways and 6' the required minimum for walkways. Wider sections may be required in heavily traveled areas.

Where soil is well drained and compactable, the stone base may be eliminated and this section replaced by a 3 1/2" full-depth asphalt section. Construction of this substitute section is subject to the approval of the Director.



TYPE II

Suitable for equestrian use, hiking and all-terrain (mountain) bicycle use in gently sloped topography. Susceptible to washout and sheet erosion on grades greater than 5%.

Depth of stone base depends on soil type, stability and drainage.

Ref. Sec. 8-0202.1B,
8-0203.1B

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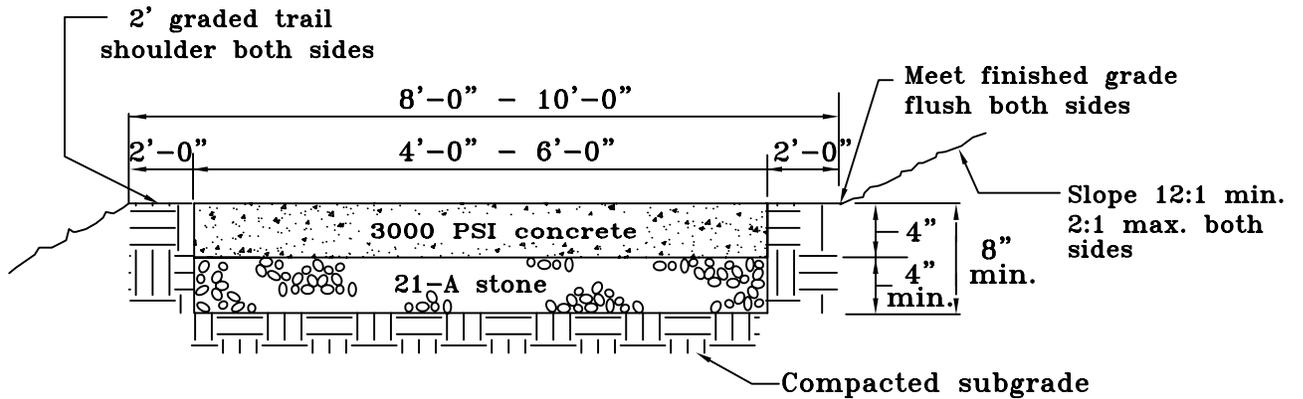
TRAIL CROSS-SECTIONS

PLATE NO.

STD. NO.

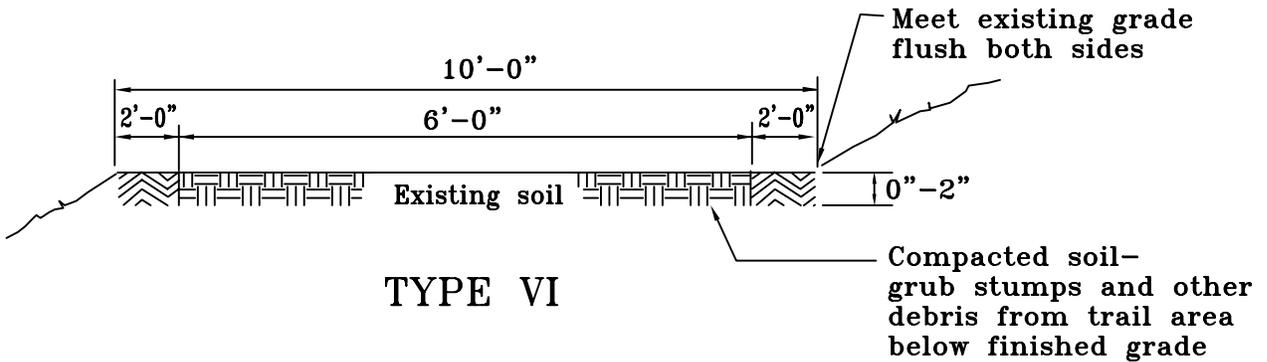
4-8

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



Suitable for general pedestrian use. Unsuitable for bikeways. Acceptable for VDOT maintenance.

Subgrade for all sidewalks shall be compacted to minimum 95% density at optimum moisture to full width of R/W or easement in accordance with AASHTO T99.



Suitable for equestrian use, hiking and all-terrain (mountain) bicycle use in low density areas. Construction of this section is subject to the approval of the Director.

Alignment of this trail should be such that there is minimum ground disturbance during clearing.

Ref. Sec. 8-0202.1B,
8-0203.1B

Rev. 1-00, 2011
Reprint

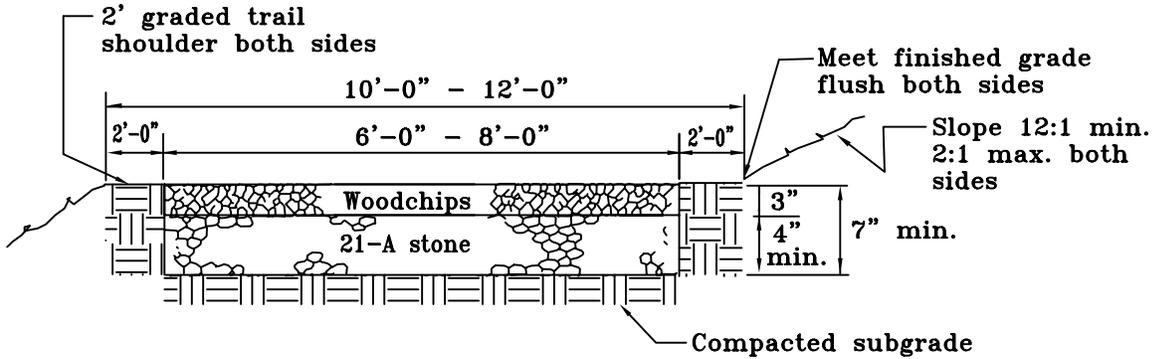
TRAIL CROSS-SECTIONS

PLATE NO.

STD. NO.

5-8

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



TYPE VII

Suitable for equestrian use and hiking.

Depth of stone base dependent on soil type, stability and drainage. Chip walks require edging as determined by the site inspector.

Ref. Sec. 8-0202.1B,

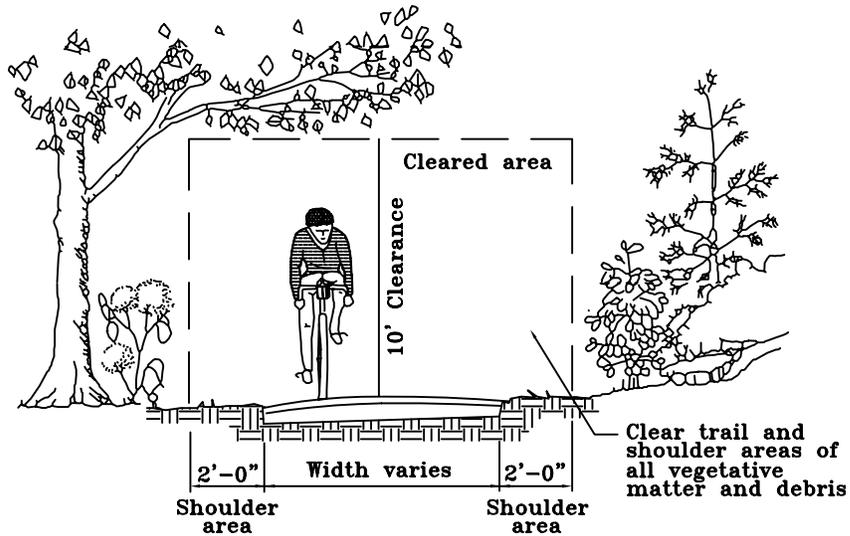
Rev. 1-00, 2011 Reprint

TRAIL CROSS-SECTIONS

PLATE NO.

STD. NO.

6-8



Ref. Sec. 8-0202.1B,
8-0202.3C, 8-0203.1B

Rev. 1-00, 2011 Reprint

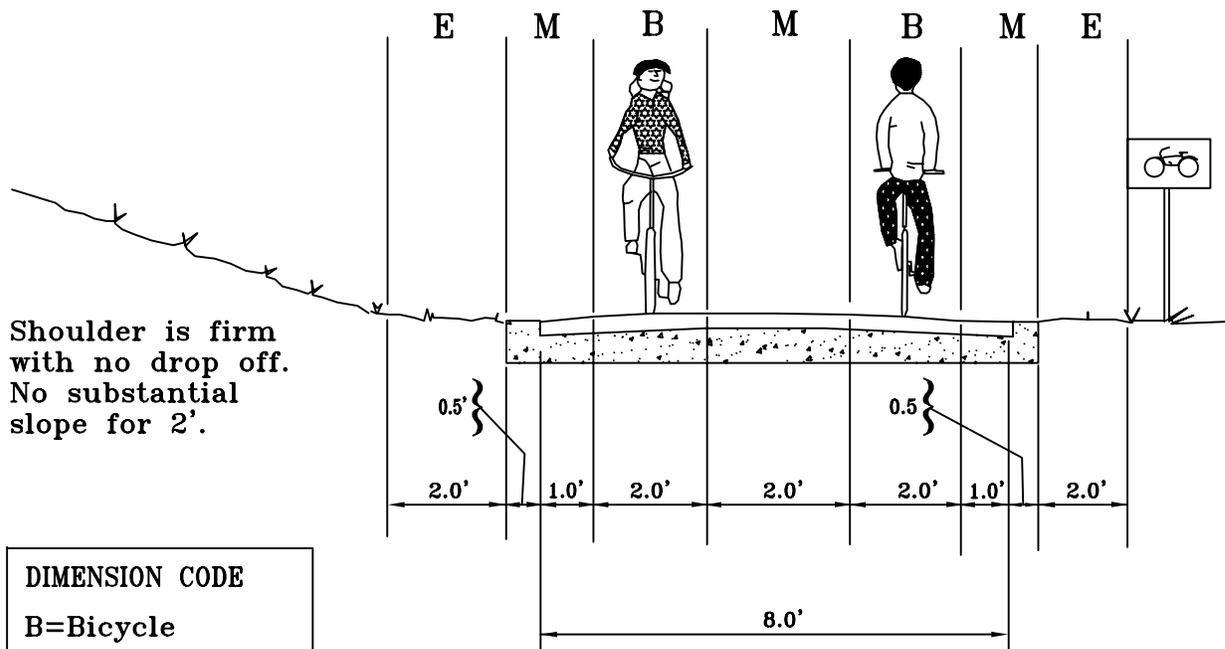
TRAIL CLEARING

PLATE NO.

STD. NO.

7-8

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



DIMENSION CODE
B=Bicycle
M=Maneuvering clearance
E=Edge clearance (shoulder)

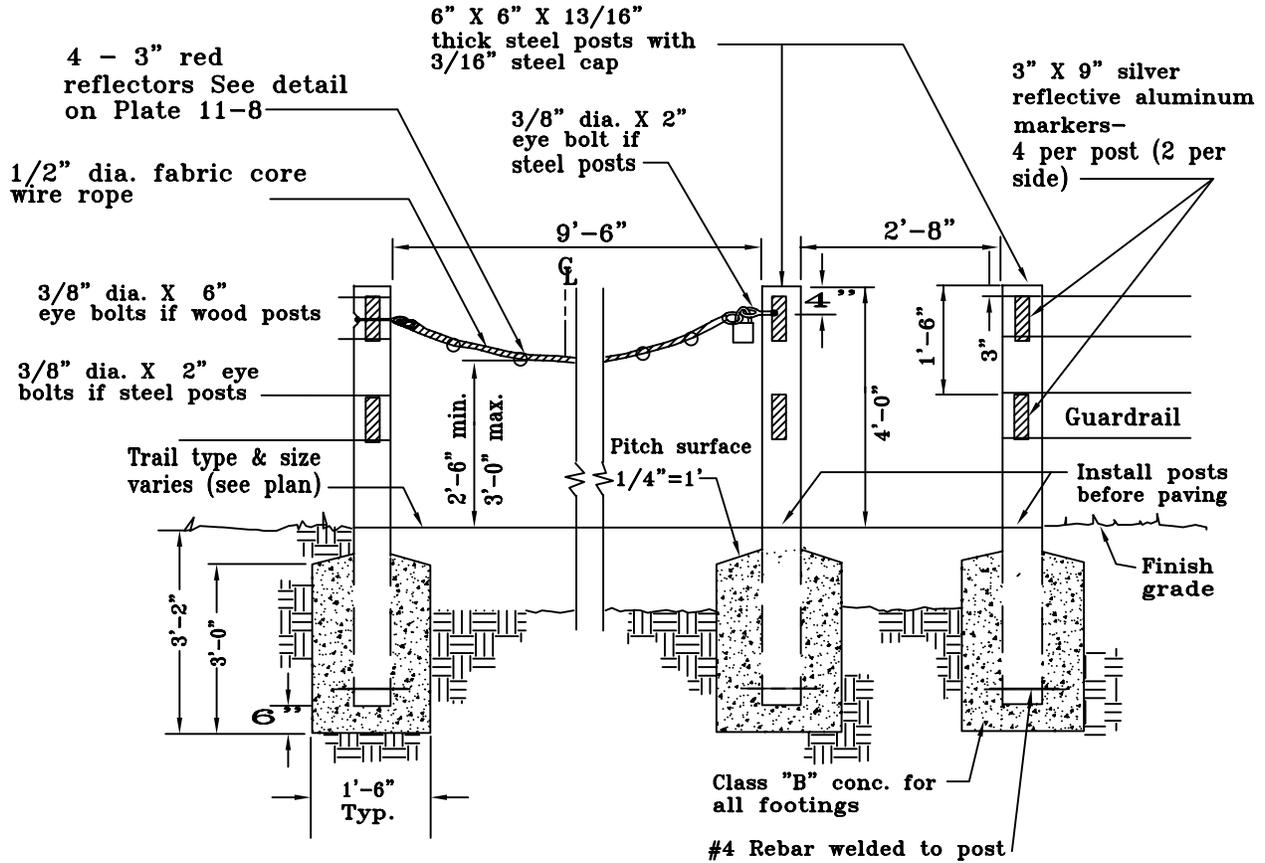
Ref. Sec. 8-0202.1B,
8-0202.3C, 8-0203.1B

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2-WAY BIKE PATH IN OFF-STREET LOCATION

PLATE NO.	STD. NO.
8-8	

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NOTES:

If wood posts, countersink nut and washer on 3/8" dia. X 6" eye bolts.
 Mount 3" red reflectors with 1/2" cable clamps; 2 each side of wire rope.
 Cable loop formed with 2 - 1/2" cable clamps; 3" spacing - peen ends of all exposed threads.

Cable loop fastened to eye bolt with lock supplied by FCPA; tighten nut inside post and tack weld post to inside of post before welding top.

3/16" steel cap shall be plate welded on top - smooth all rough edges and finish with 1 shop or prime coat and 3 field coats using an alkyd paint system. Finish coat is to be flat black, all surfaces of all steel posts.

Ref. Sec. 8-0202.1B,
 8-0203.1B, 8-0203.2E,
 8-0203.2G

TRAIL ACCESS THROUGH BARRICADE

PLATE NO.

STD. NO.

9-8

Rev. 1-00, 2011 Reprint

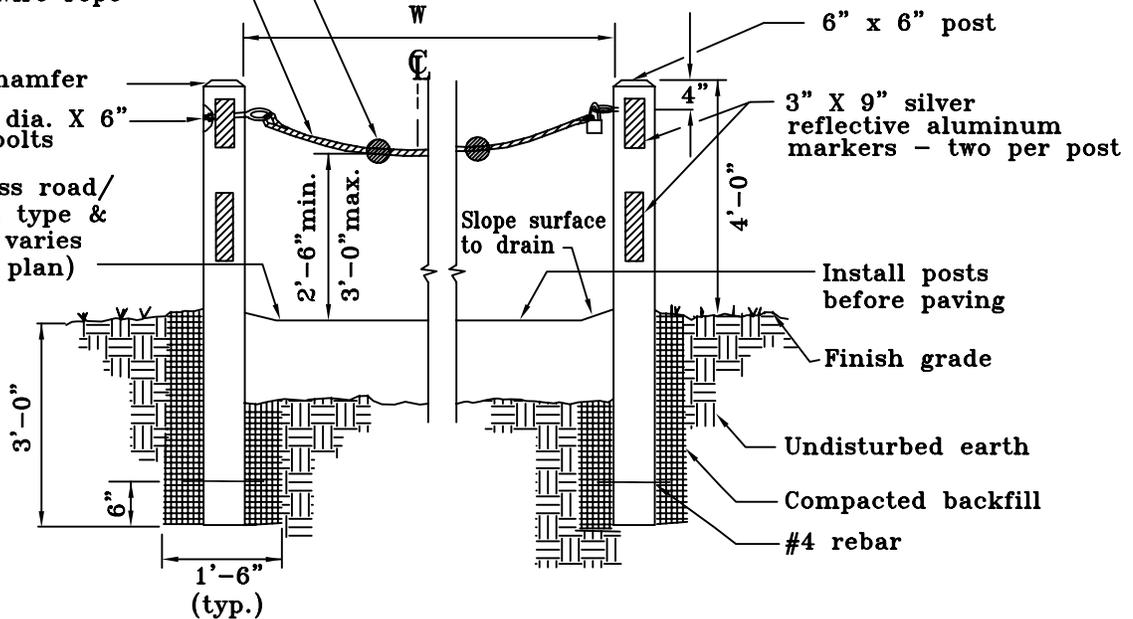
FAIRFAX COUNTY PUBLIC FACILITIES MANUAL

Two - 3" dia.
reflectors see detail
on Plate 11-8M

1/2" dia. fabric
core wire rope

1" chamfer
3/8" dia. X 6"
eye bolts

Access road/
Trail type &
size varies
(see plan)



NOTES:

Countersink nut and washer on 3/8" dia. X 6" eye bolts. Peen end of all exposed threads.

Mount 3" red reflectors with 1/2" cable clamps.

Cable loop formed with two - 1/2" cable clamps; 3" spacing. Peen ends of all exposed threads.

Cable loop fastened to eye bolt with lock supplied by the maintaining authority.

W = 9'-6" for trails; 15' for access roads.

Ref. Sec. 8-0202.1B,
8-0203.1B, 8-0203.2E,
8-0203.2G

Rev. 1-00, 4-02, 2011
Reprint

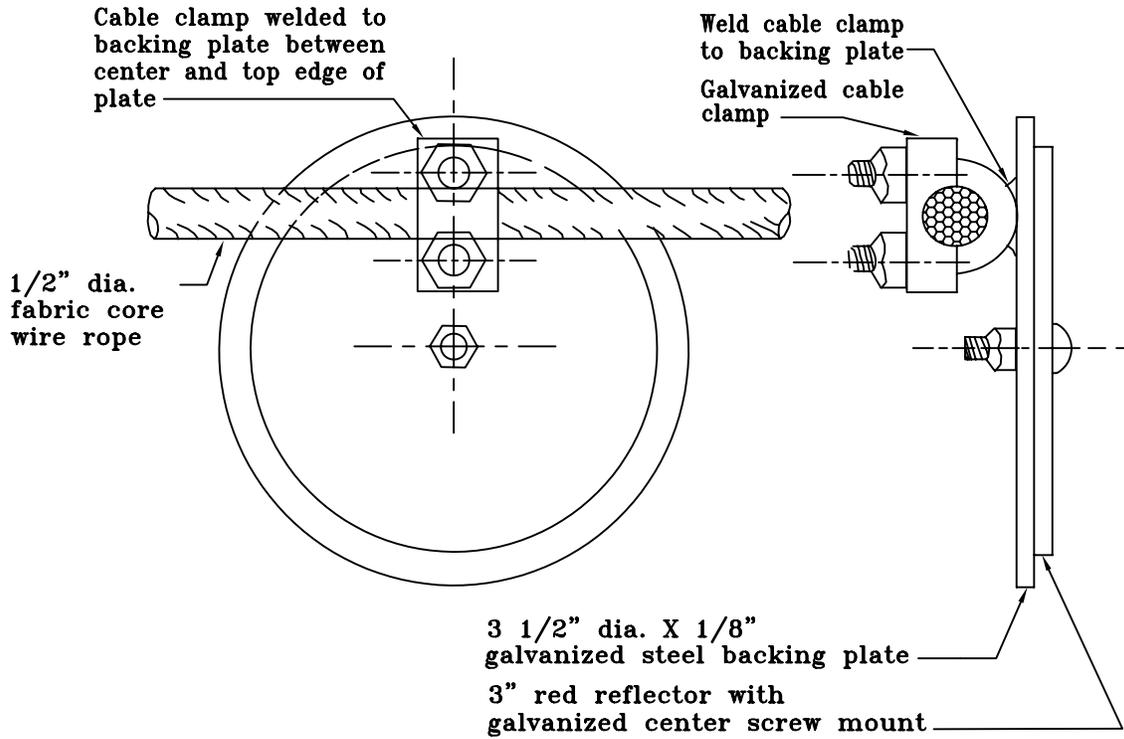
CABLE BARRICADE-ELEVATION

PLATE NO.

STD. NO.

10-8

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



BACK ELEVATION

SIDE ELEVATION

Ref. Sec. 8-0202.1B,
8-0203.1B, 8-0203.2E.
8-0203.2G

RED REFLECTOR ON CABLE

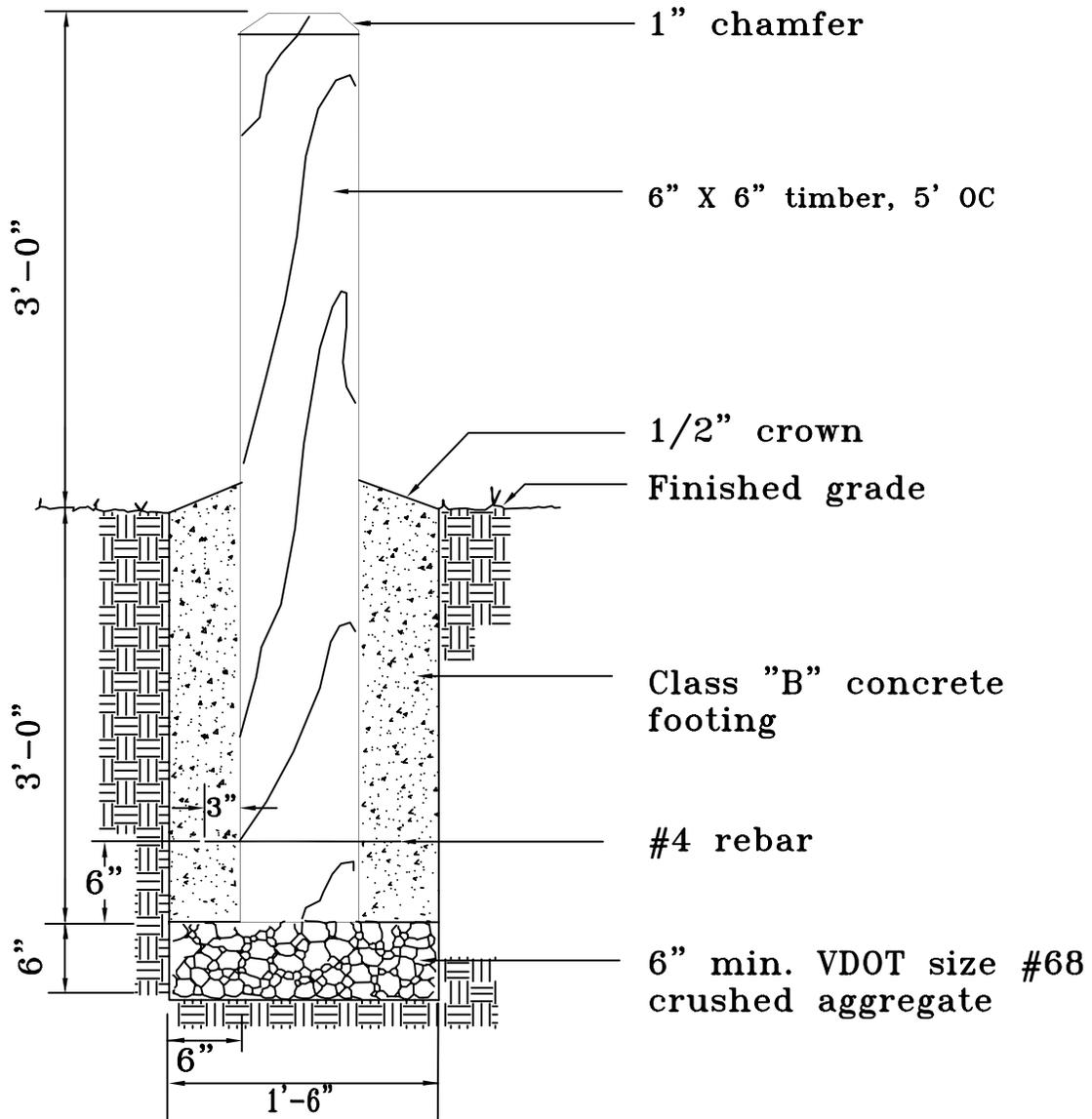
PLATE NO.

STD. NO.

11-8

Rev. 1-00, 2011 Reprint

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



Ref. Sec. 8-0202.1B,
8-0203.1B, 8-0203.2E,
8-0203.2G

Rev. 1-00, 2011 Reprint

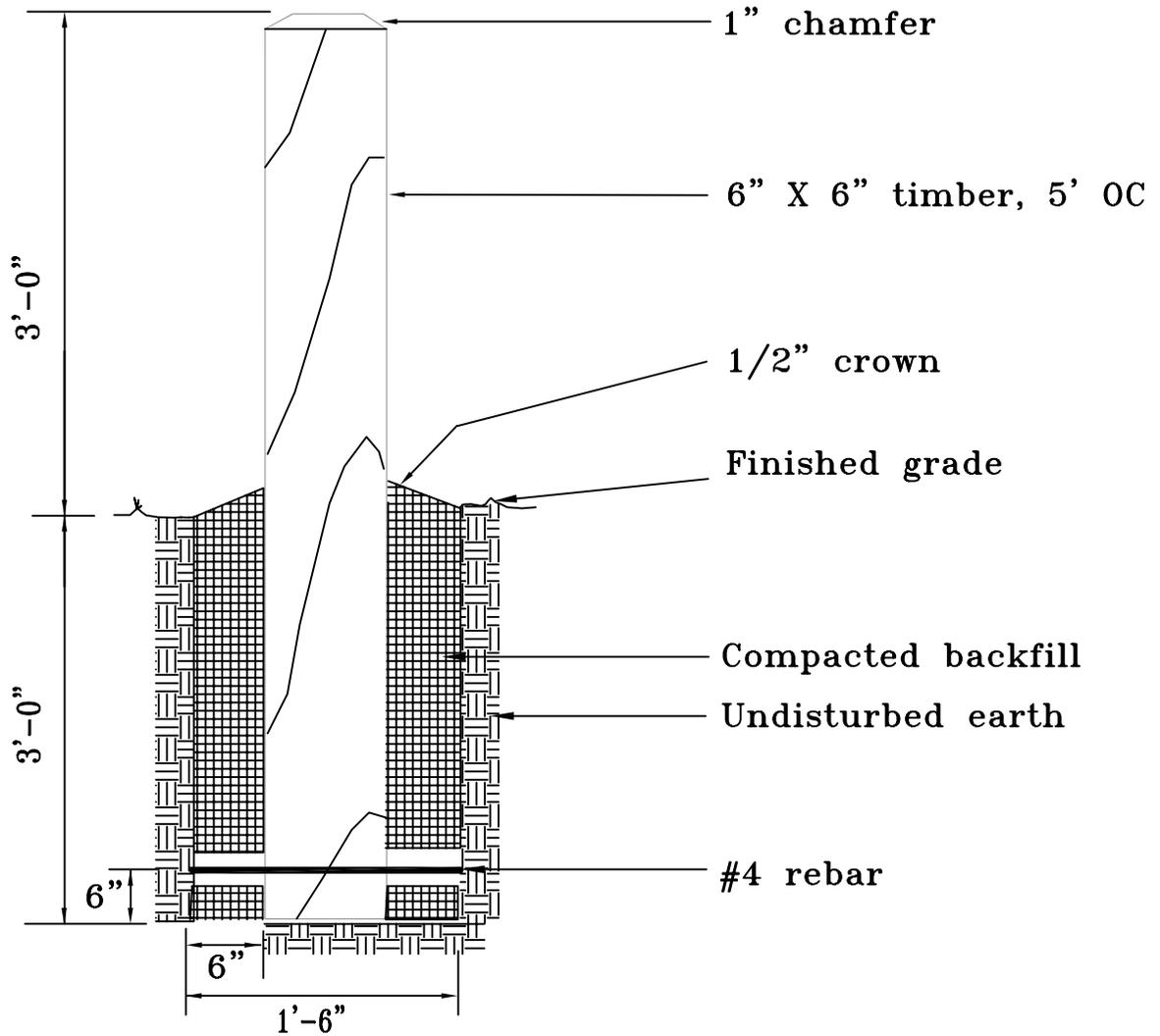
BOLLARD

PLATE NO.

STD. NO.

12-8

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



Ref. Sec. 8-0202.1B,
8-0203.1B, 8-0203.2E,
8-0203.2G

Rev. 1-00, 2011 Reprint

BOLLARD-DIRECT BURY

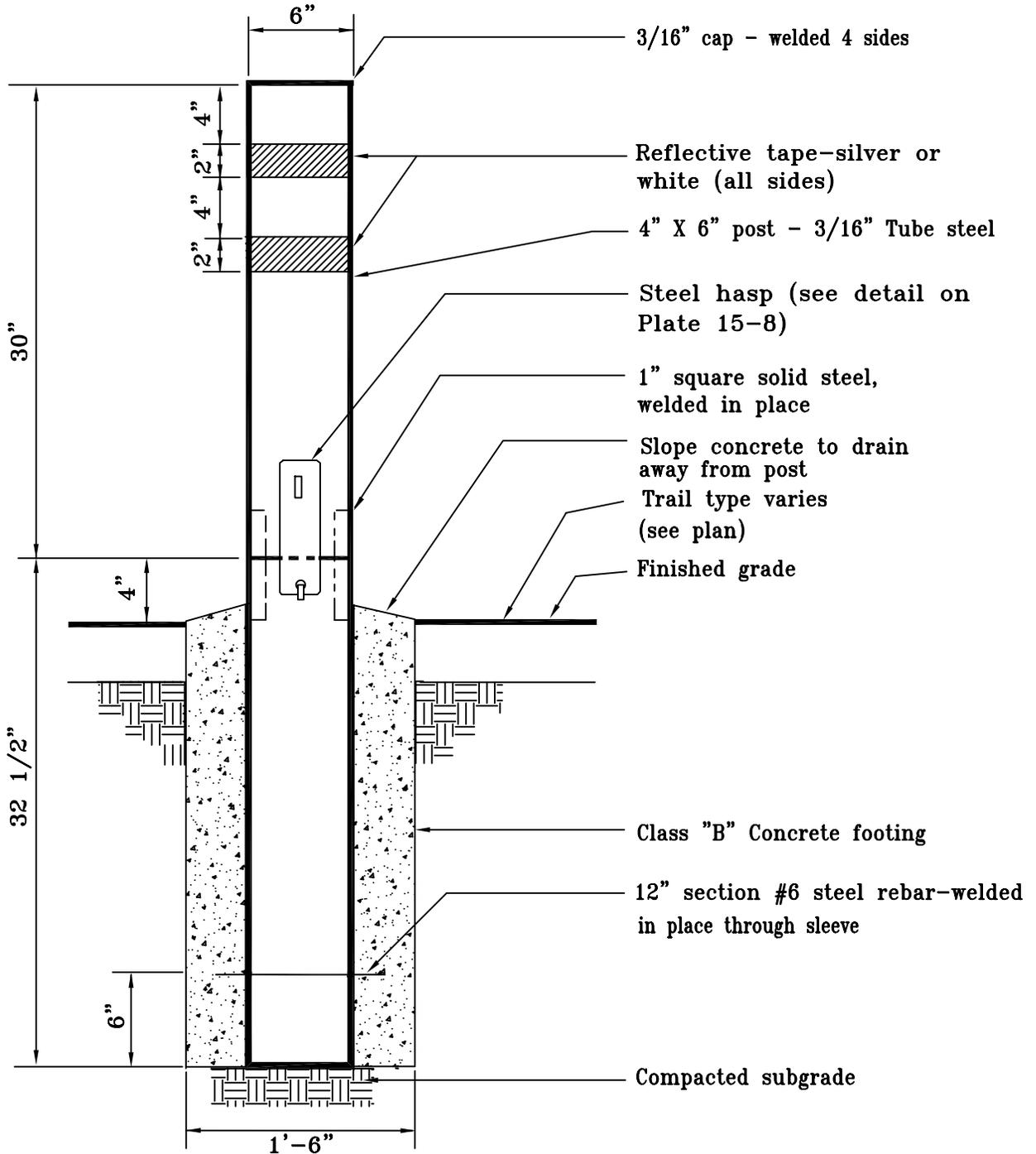
PLATE NO.

STD. NO.

13-8

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL

Note: Bollard to be primed and painted orange



Ref. Sec. 8-0202.1B,
8-0203.1B, 8-0203.2E,
8-0203.2G

Rev. 1-00, 2011 Reprint

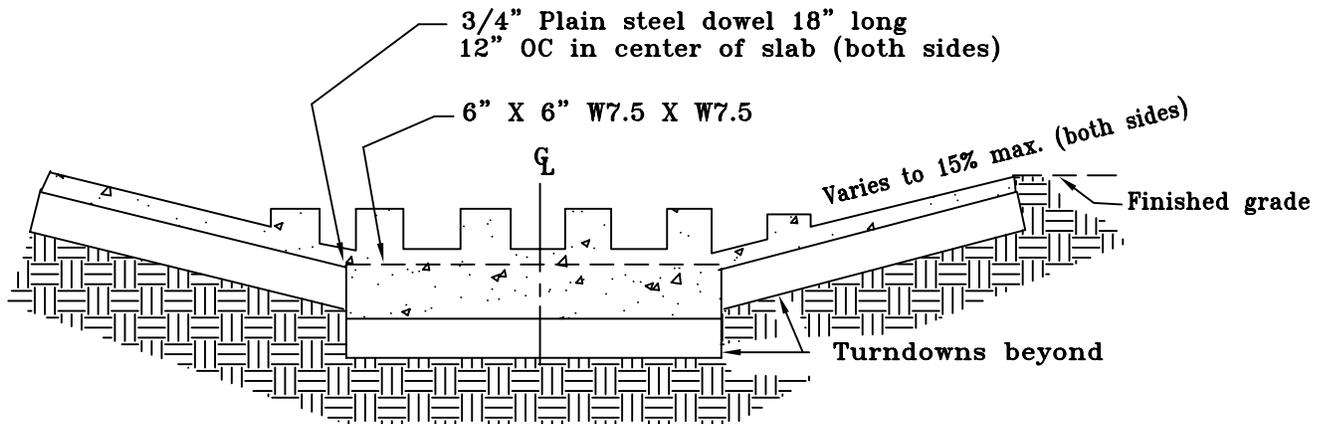
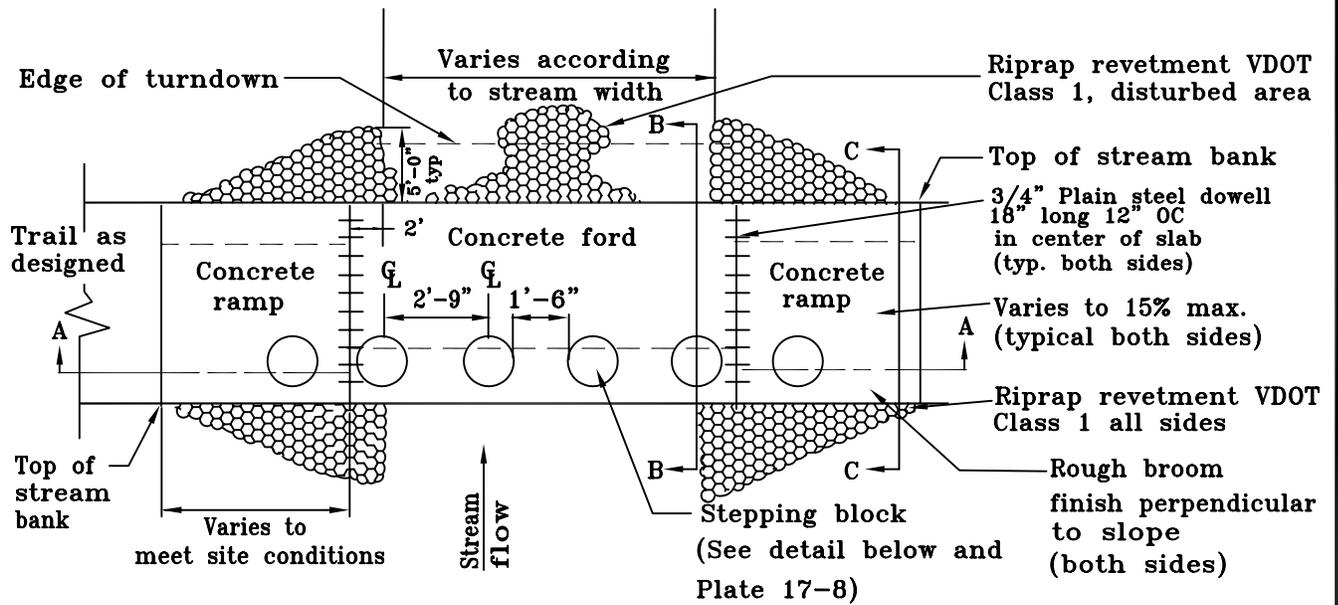
REMOVABLE LOCKING BOLLARD

PLATE NO.

STD. NO.

14-8

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



SECTION A-A

Ref. Sec. 8-0202.1B,
8-0203.1B, 8-0203.2G,
Plate 17-8

Rev. 1-00, 2011 Reprint

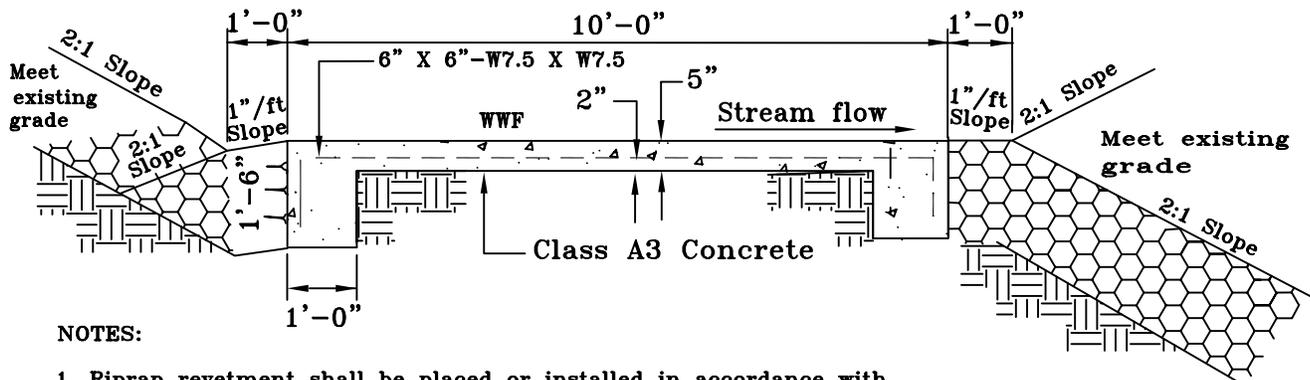
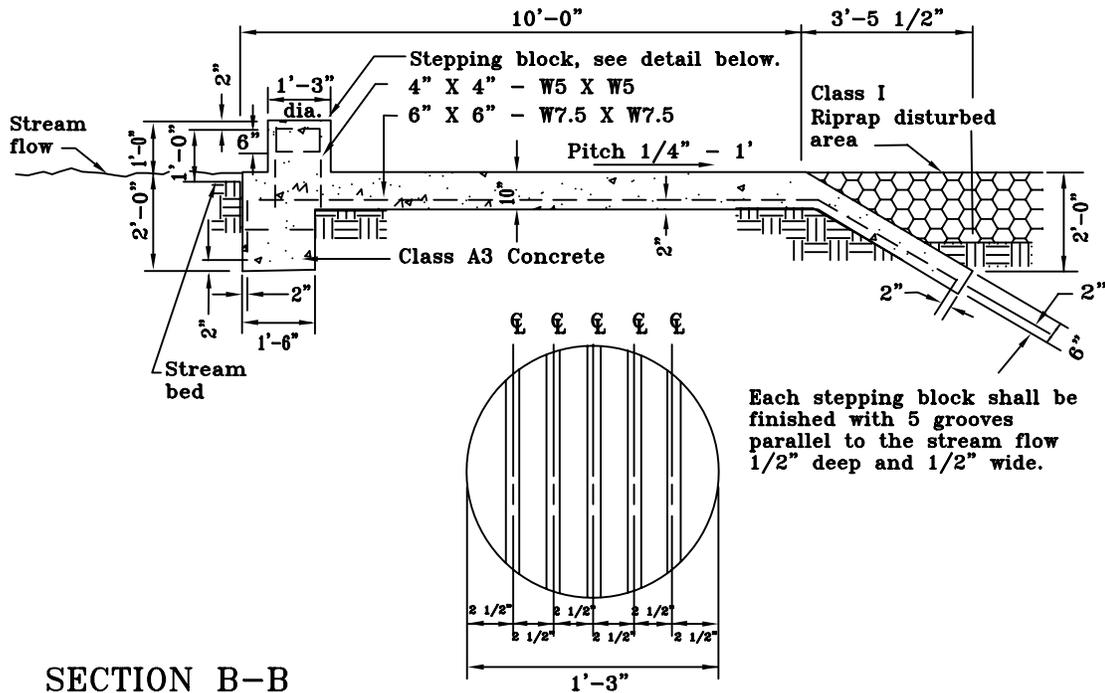
FAIR WEATHER STREAM CROSSING

PLATE NO.

STD. NO.

16-8

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



NOTES:

1. Riprap revetment shall be placed or installed in accordance with Section 414 of VDOT Road and Bridge Specifications. Minimum depth of riprap revetment shall not be less than 18".
2. Mid-channel concrete section shall be poured in 2 separate sections to provide a continuous flow of water. Provision for dewatering each poured section is necessary to attain the required strength of concrete.
3. All disturbed areas shall be seeded.

SECTION C-C
(From Plate 16-8)

Ref. Sec. 8-0202.1B,
8-0203.2G, Plate 16-8

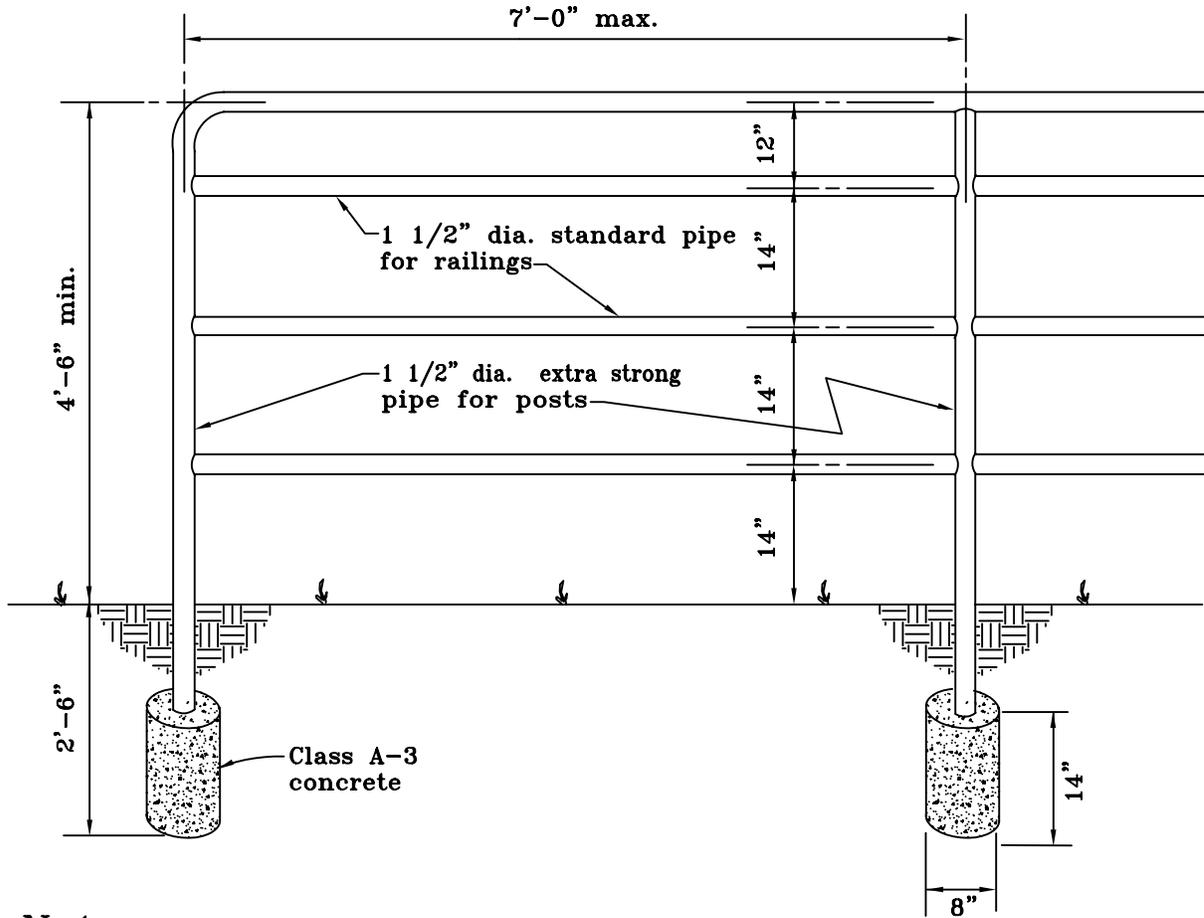
Rev. 1-00, 2011 Reprint

FAIR WEATHER STREAM CROSSING

PLATE NO. STD. NO.

17-8

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



Notes:

1. Handrail to be primed with 1 coat of Koppers 622 rust penetrating primer, or approved equal, then painted with 2 coats of Duron Rethane Modified Black, or approved equal. Paint to be applied at min. 1.5 mil. per coat.
2. Handrail on ramps to pedestrian bridge decks shall be painted to match the bridge structure.

Ref. Sec. 8-0202.1B,
8-0202.10, 8-0203.1B,
8-0203.2G

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HANDRAIL DETAIL

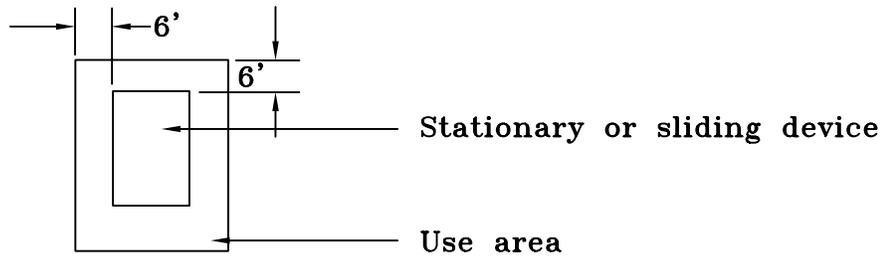
PLATE NO.

STD. NO.

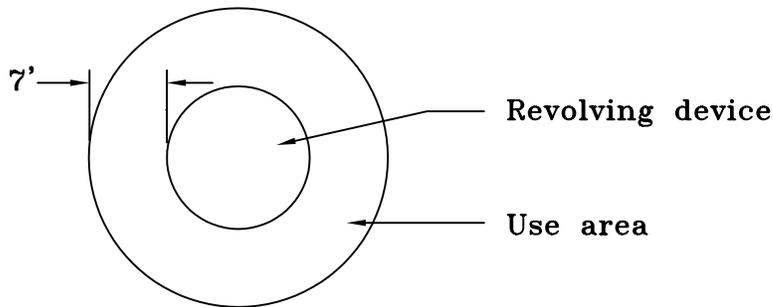
17A-8

HR-2

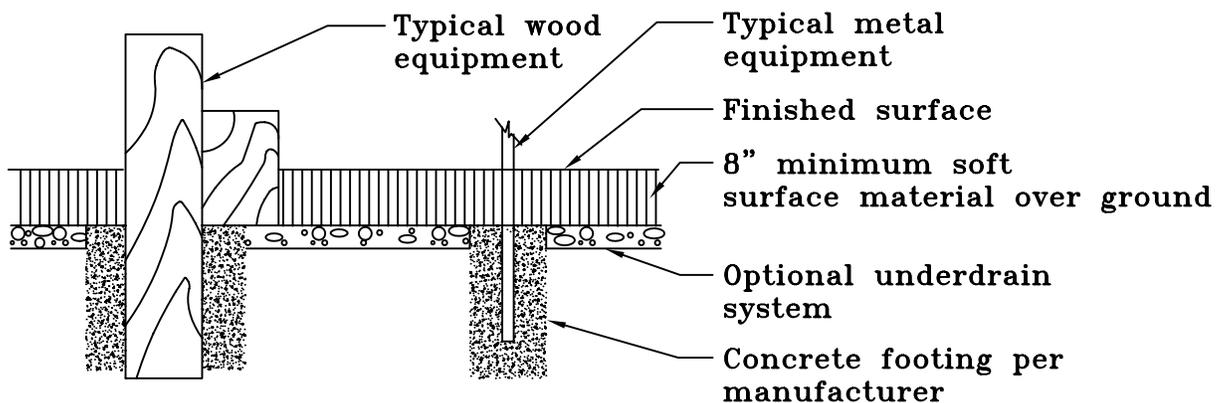
FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



TOT STATIONARY AND SLIDING DEVICES



TOT REVOLVING DEVICES



TYPICAL EQUIPMENT FOOTING

Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2

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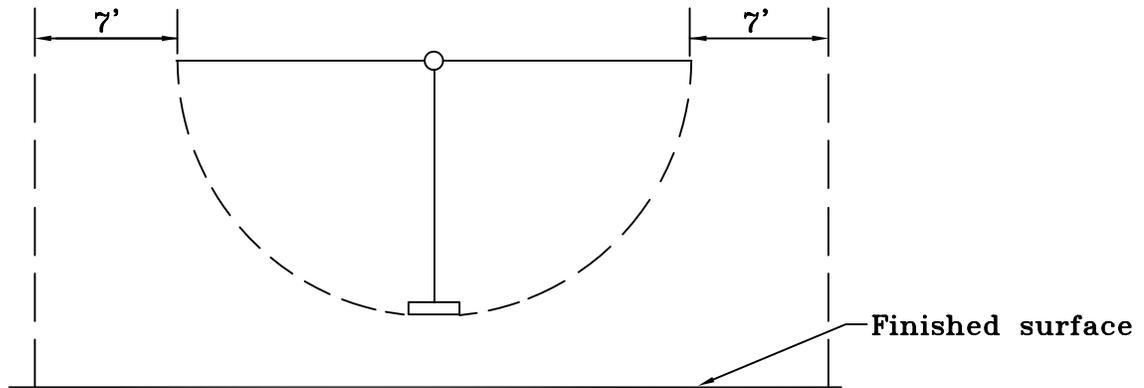
TOT LOT EQUIPMENT LAYOUT

PLATE NO.

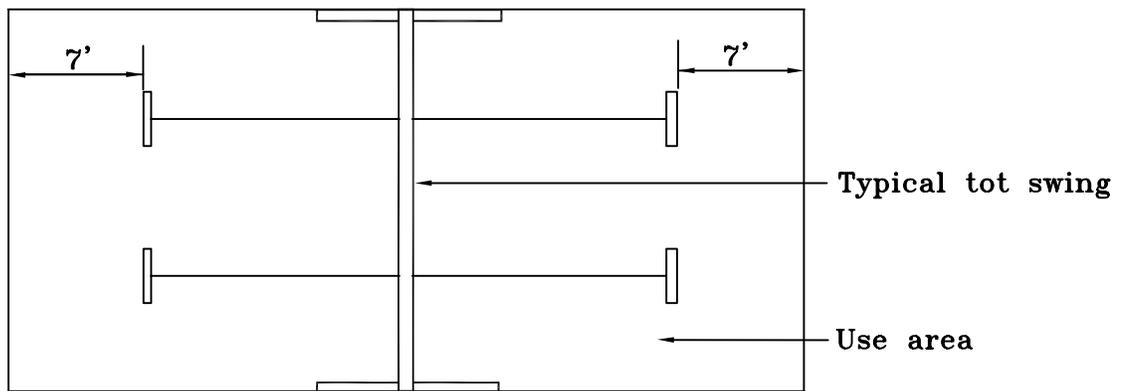
STD. NO.

18-8

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



SIDE VIEW



PLAN VIEW

Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2

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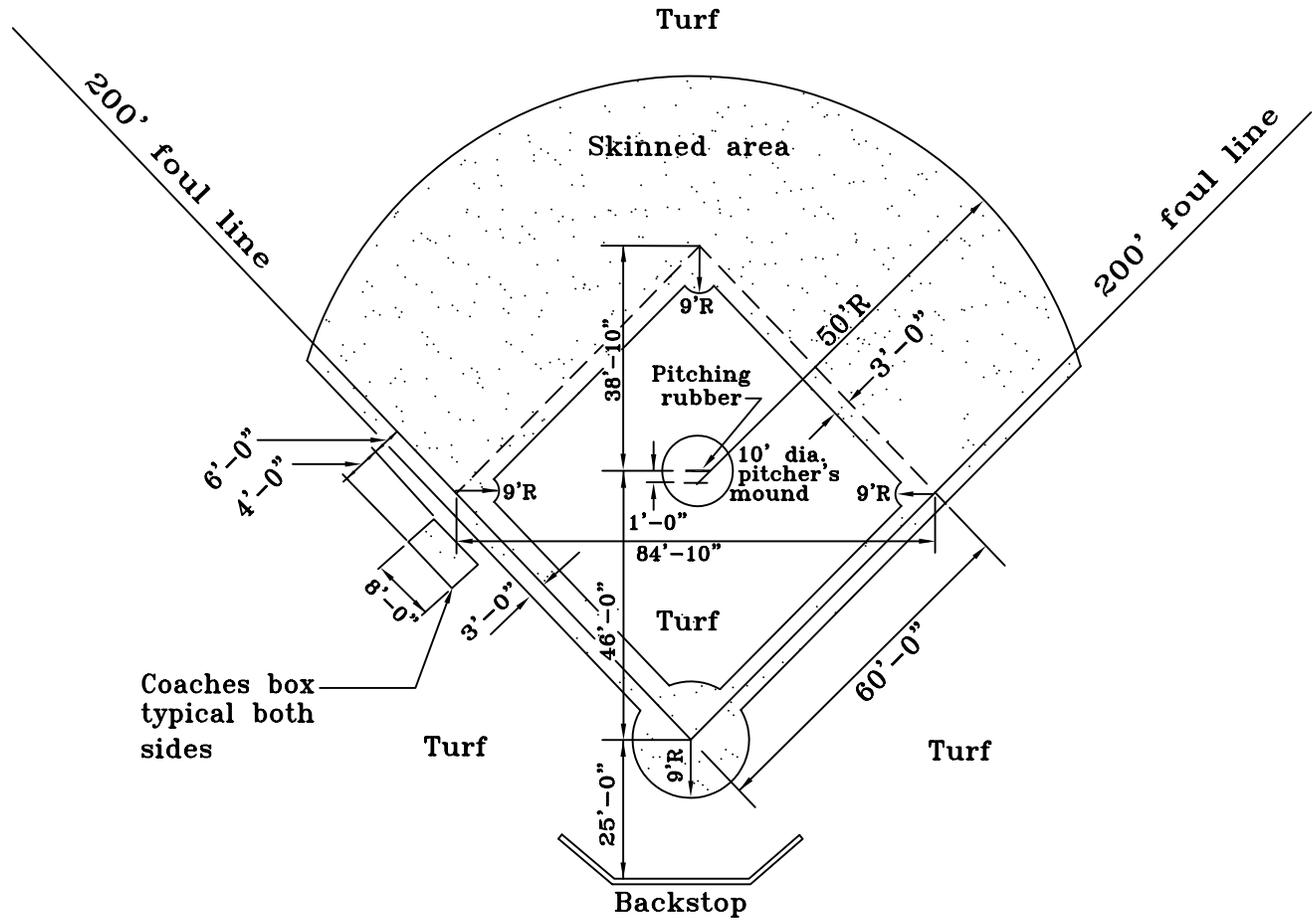
TOT SWINGING DEVICES LAYOUT

PLATE NO.

STD. NO.

19-8

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2

LITTLE LEAGUE INFIELD

PLATE NO.

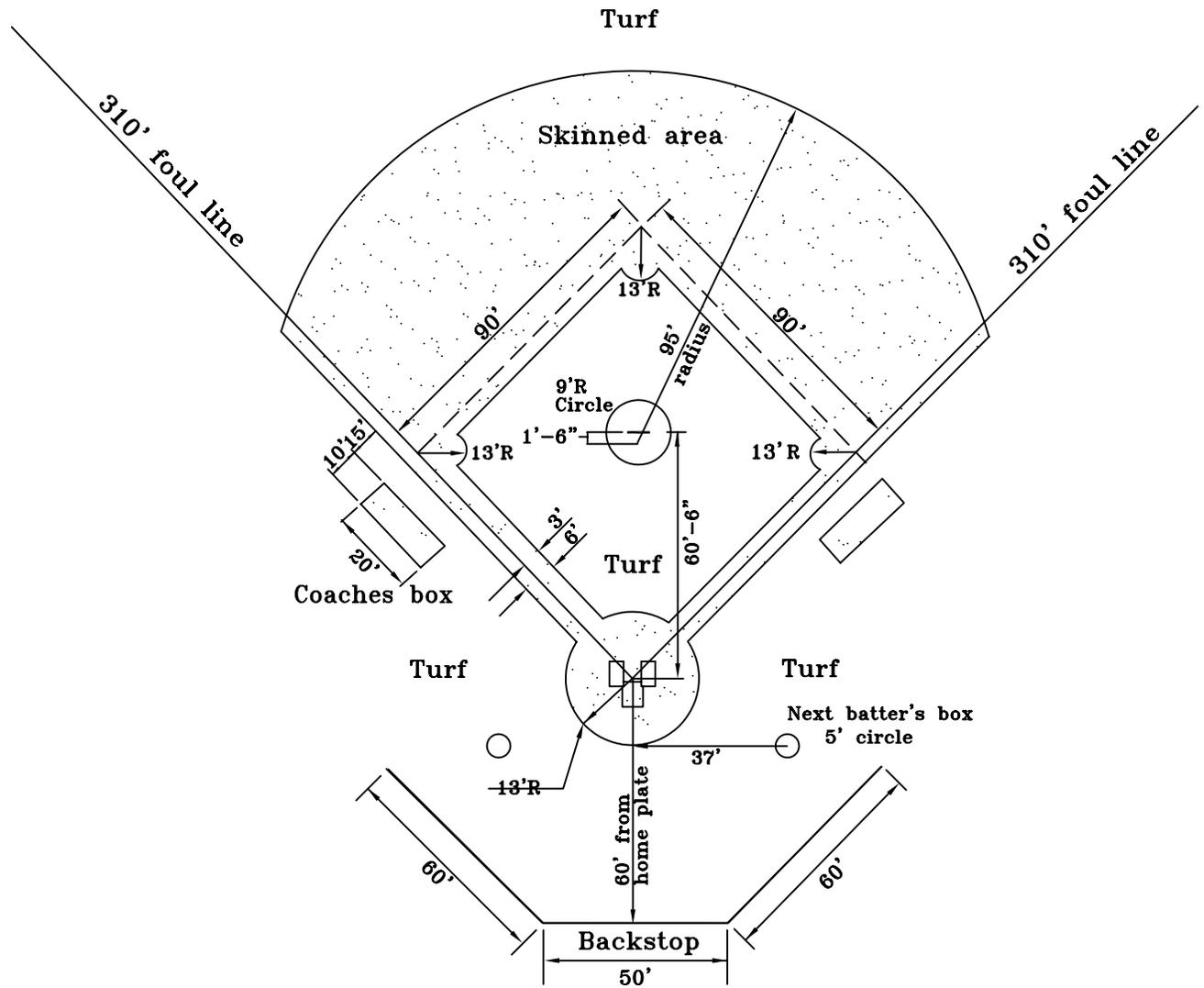
STD. NO.

20-8

PA-5

Rev. 1-00, 2011 Reprint

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2

Rev. 1-00, 9-01, 2011
Reprint

BASEBALL & BABE RUTH INFIELD

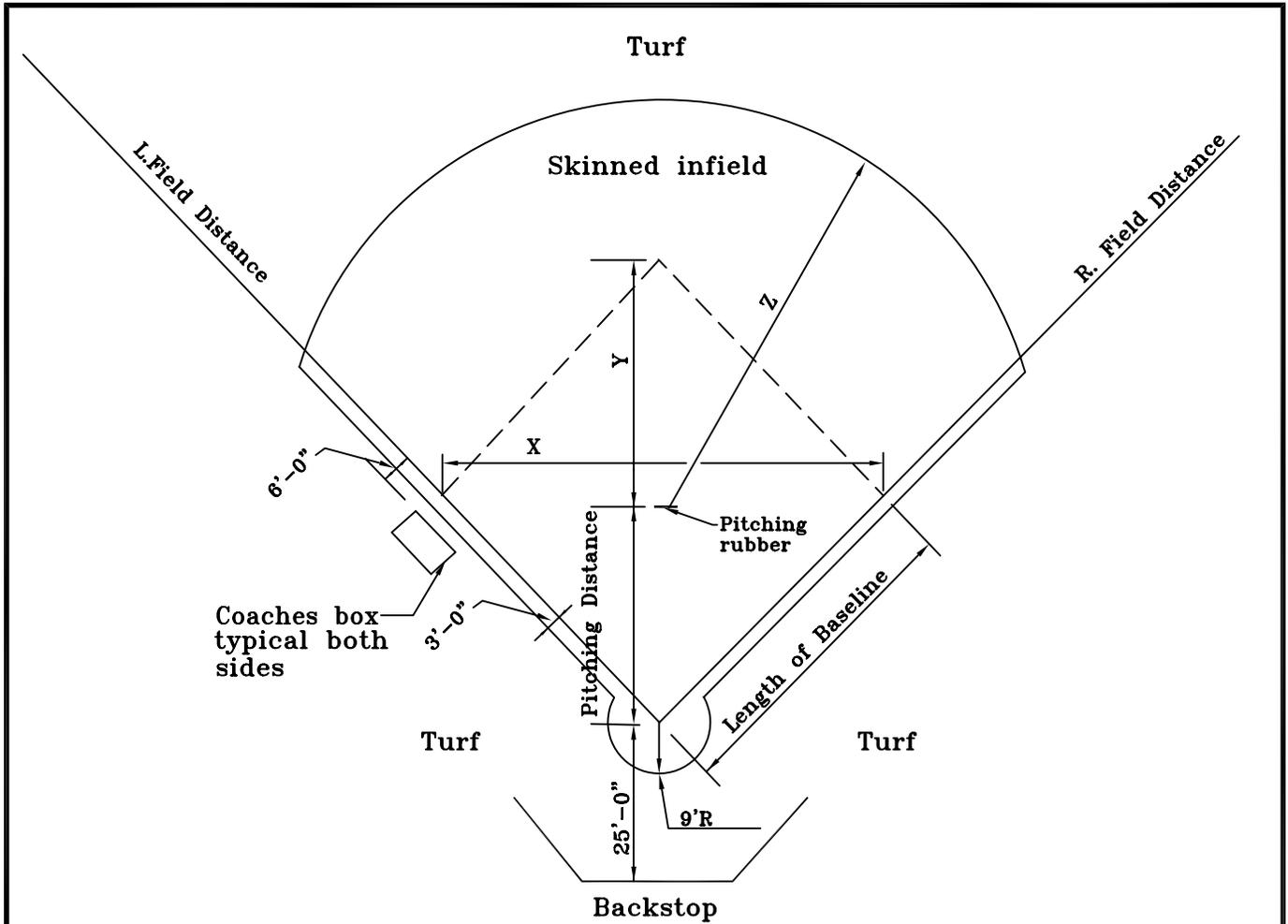
PLATE NO.

21-8

STD. NO.

PA-6

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



	Fast Pitch Softball	Slow Pitch Softball
Length of Baseline	60'	65'
Pitching distance	35'-12 & Under / 40' - others	50'
Batter's Box	3' x 7'	3' x 7'
Rise of Pitching Mound	none	none
Mound Diameter	16'	none
Base Size	15" x 15" x 3"	15" x 15" x 3"
Coaches Box	3' x 15'	3' x 15'
Home Plate to Backstop	25'	25'
Infield Type	Skinned	Skinned
L. Field Distance	200'	300'
C. Field Distance	200'	300'
R. Field Distance	200'	300'

x = 92' for a 65' baseline
x = 84' 10" for a 60' baseline
y = 45' for a 40' pitching distance
y = 42' for a 50' pitching distance
z = 60' for a 40' pitching distance
z = 65' for a 50' pitching distance

Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2

Rev. 1-00, 9-01, 2011
Reprint

FAST PITCH & SLOW PITCH SOFTBALL INFIELD

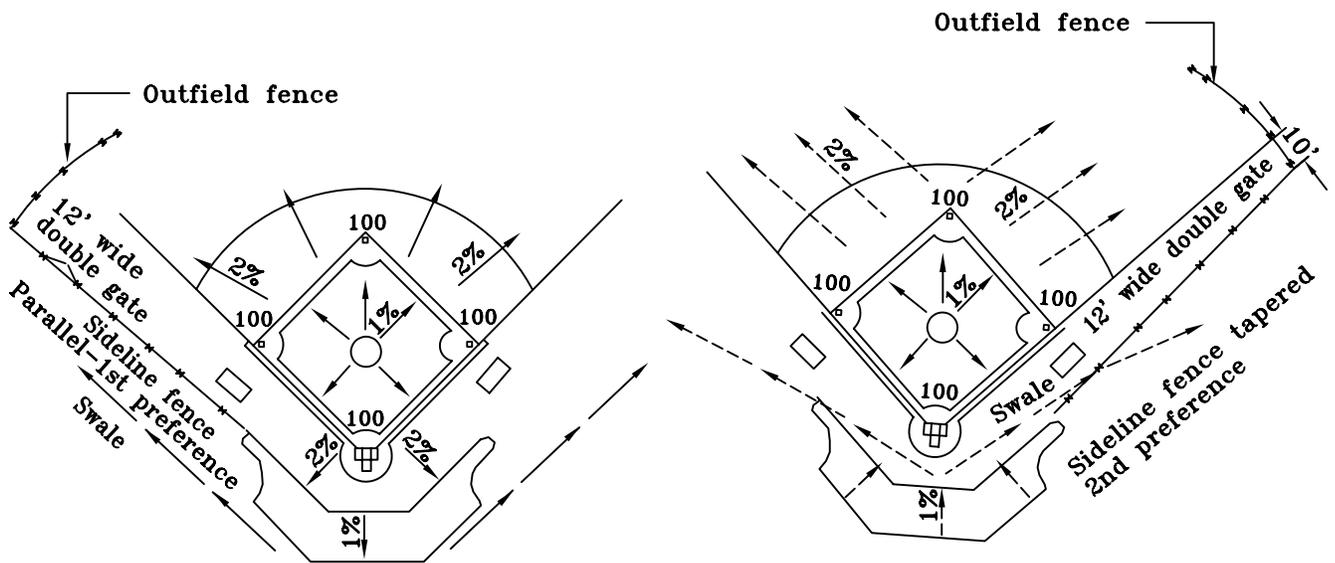
PLATE NO.

STD. NO.

22-8

PA-7

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



LEGEND

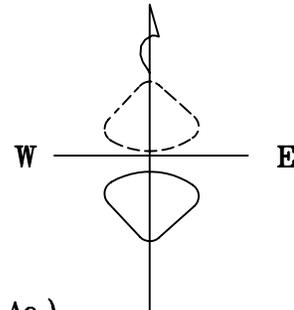
- 1st preference
- 2nd preference

Infield soil mix

- 60% topsoil (red)
- 15% sand
- 25% Turface Or Approved Equal

Area required

- Baseball & Babe Ruth - 232,500 ft.² (5.4 Ac.)
- Slow Pitch Softball - 123,500 ft.² (2.8 Ac.)
- Fast Pitch Softball - 66,323 ft.² (1.5 Ac.)
- Little League - 66,323 ft.² (1.5 Ac.)



	Little League-U13	Babe Ruth/Baseball	Fast Pitch Softball	Slow Pitch Softball
Length of Baseline	60'	90'	60'	65'
Pitching distance	46'	60'-6"	35'-12&Under/40'-others	50'
Batter's Box	3' x 6'	4' x 6'	3' x 7'	3' x 7'
Rise of Pitching Mound	6"	10"	none	none
Mound Diameter	10'	18'	16'	none
Base Size	15" x 15" x 2-1/4"	15" x 15" x 3"	15" x 15" x 3"	15" x 15" x 3"
Coaches Box	4' x 8'	10' x 20'	3' x 15'	3' x 15'
Home Plate to Backstop	25'	60'	25'	25'
Infield Type	Turf	Turf	Skinned	Skinned
L. Field Distance	200'	310'	200'	300'
C. Field Distance	200'	380'	200'	300'
R. Field Distance	200'	310'	200'	300'

Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2

Rev. 1-00, 9-01, 2011
Reprint

BALLFIELDS DESIGN INFORMATION

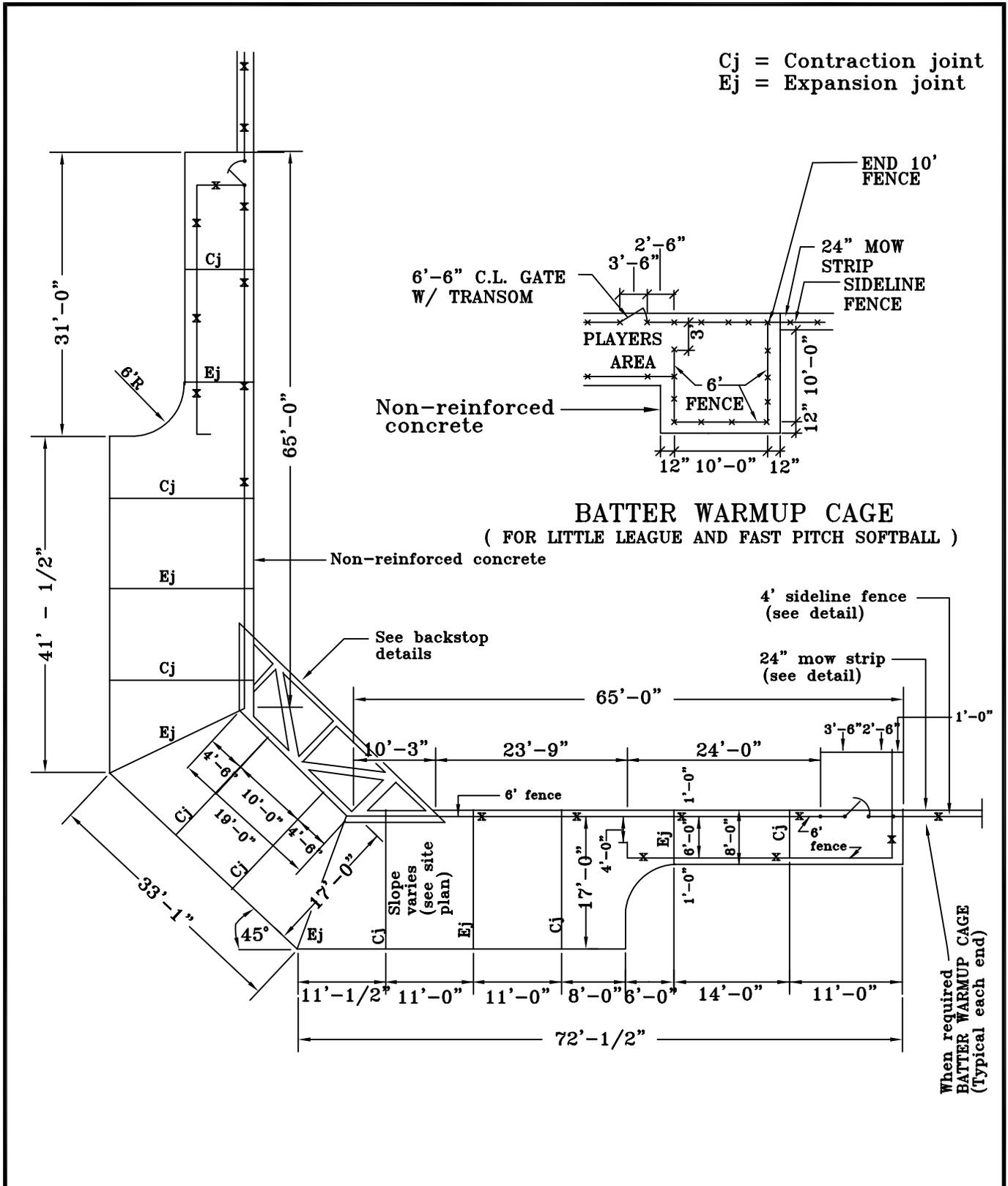
PLATE NO.

23-8

STD. NO.

PA-8

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2

Rev. 1-00, 9-01, 2011
Reprint

**FOR LITTLE LEAGUE, FAST PITCH &
SLOW PITCH SOFTBALL
BLEACHER PAD PLAN**

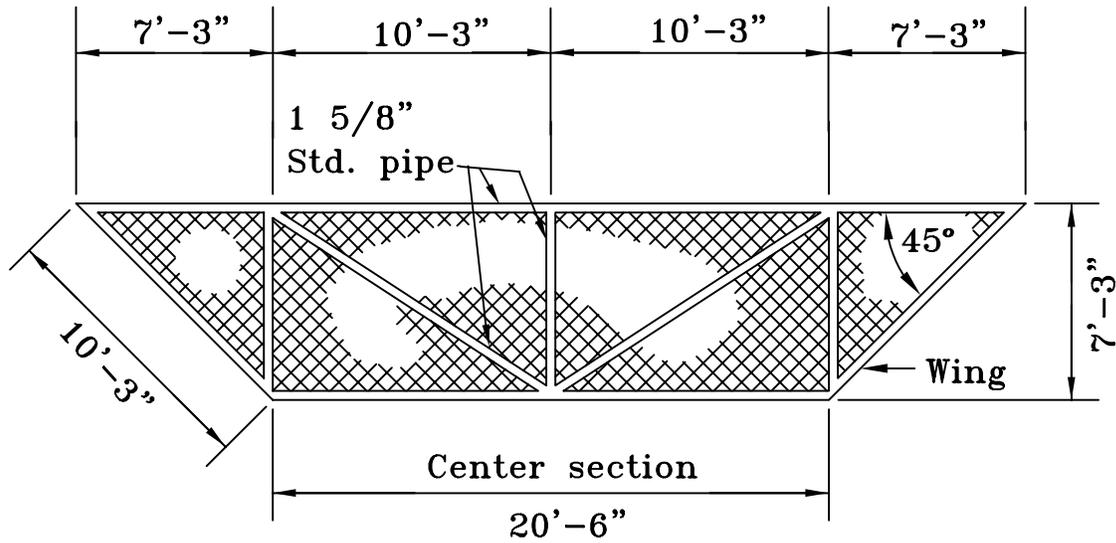
PLATE NO.

24-8

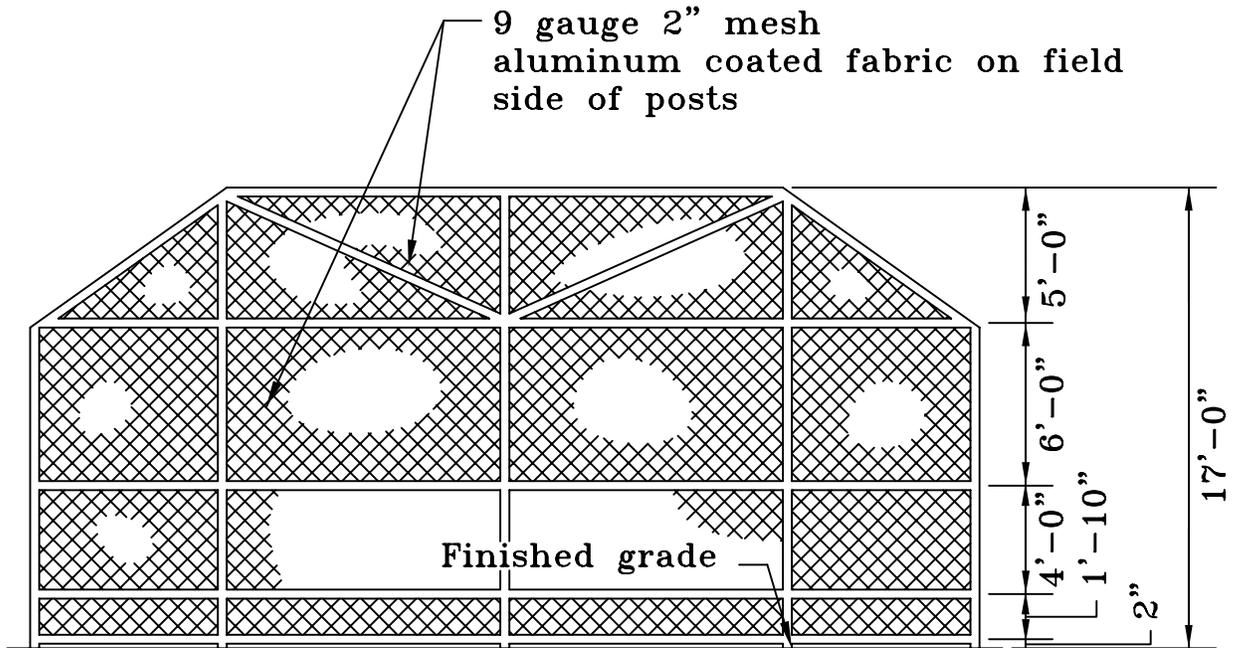
STD. NO.

PA-9

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



BACKSTOP - PLAN



BACKSTOP - ELEVATION

Ref. Sec. 2-0209.1,
2-0902.1L, 2-1104.2

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BACKSTOP PLAN & ELEVATION

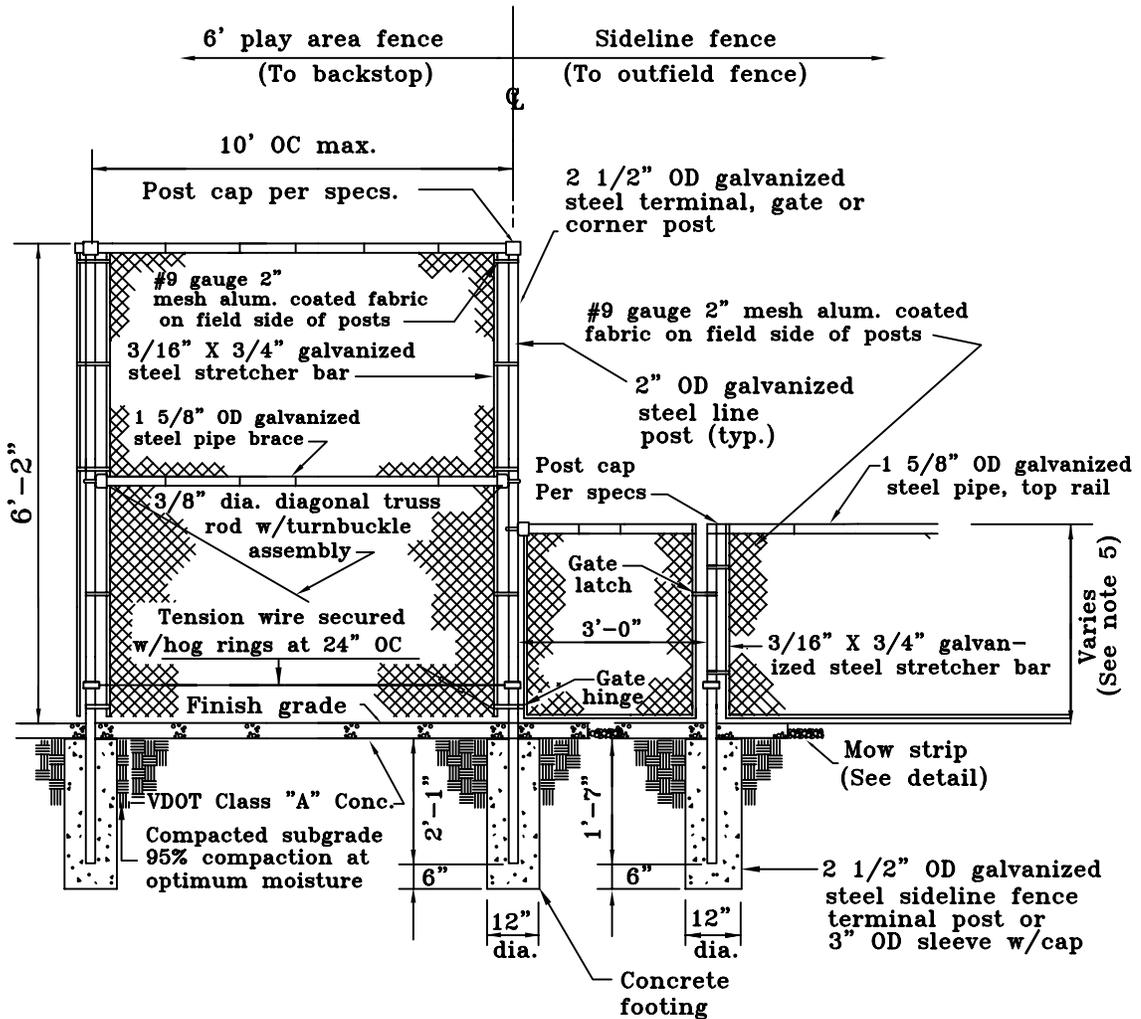
PLATE NO.

25-8

STD. NO.

PA-10

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



NOTES:

1. Horizontal & diagonal braces shall occur in both directions at corner posts.
2. All posts shall be set plumb.
3. Sideline line post shall be 2" OD.
4. Line posts shall be spaced equidistant.
5. Fabric for sideline fence & gate shall be 4' for Little League and 5' for softball and baseball.
6. Fabric shall have knuckled selvage top & bottom.
7. Dugout fence fabric shall be on inside/field side of posts.
8. Gate shall swing away from field toward the dugout.

Ref. Sec. 2-0902.1,
2-0902.1L, 2-1104.2

6' FENCE, CONCRETE PAD, SIDELINE FENCE & GATE

PLATE NO.

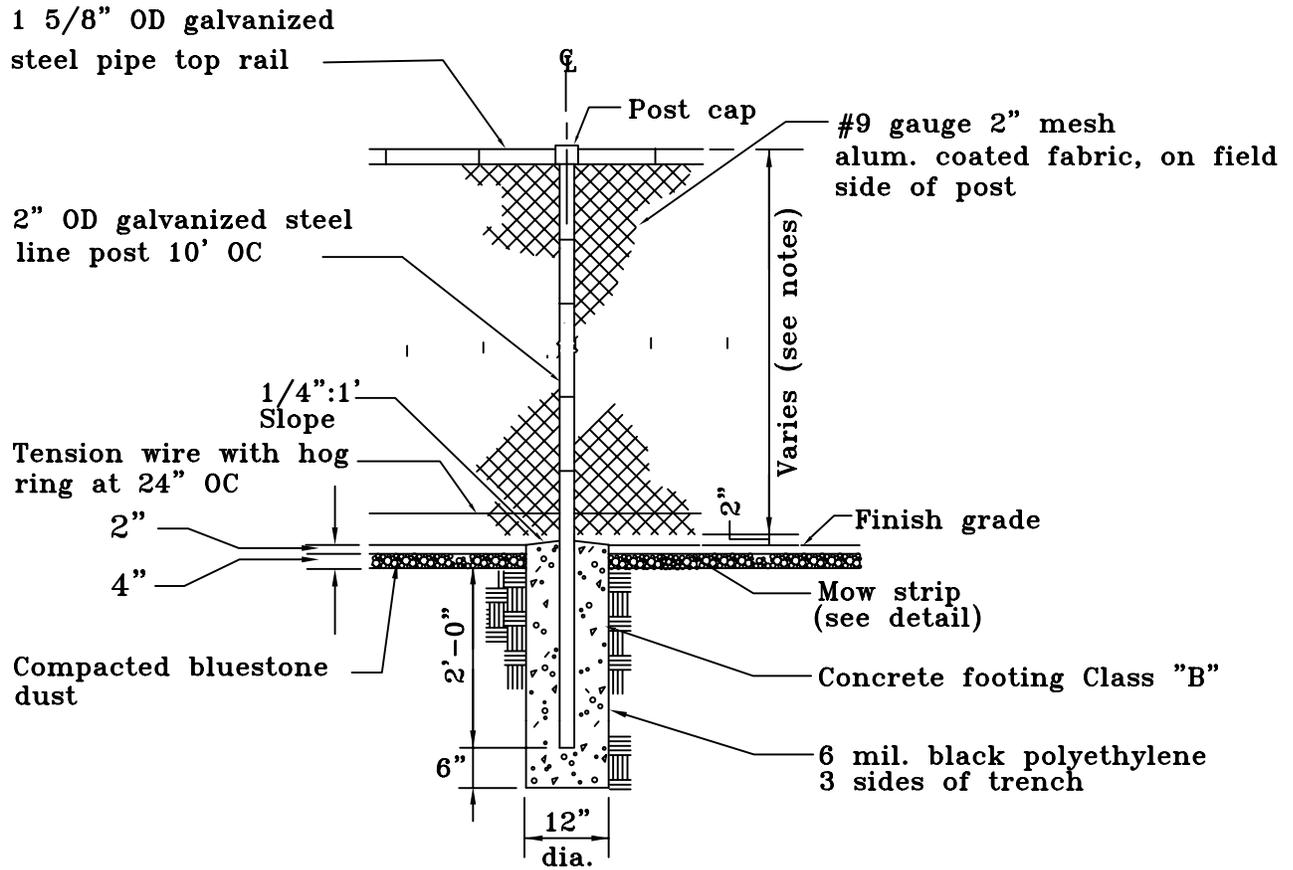
STD. NO.

27-8

PA-12

Rev. 1-00, 2011 Reprint

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



NOTES:

1. Terminal post shall be 2 1/2" OD.
2. This detail shows mow strip without warning track.
3. All posts shall be set plumb.
4. Fabric shall have knuckled selvage top & bottom.
5. Little League outfield fence shall be 6' high.
6. Babe Ruth and softball outfield fence shall be 8' high.

Ref. Sec. 2-0902.1,
2-0902.1L, 2-1104.2

Rev. 1-00, 2011 Reprint

OUTFIELD FENCE

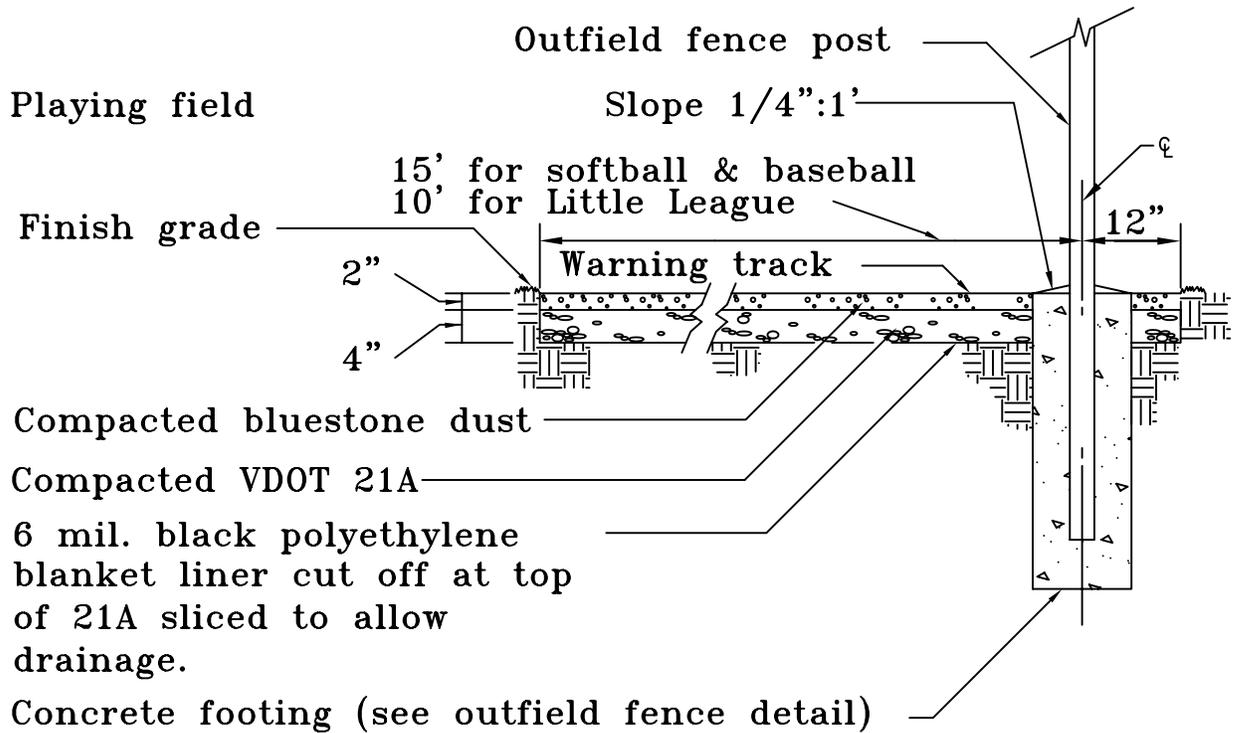
PLATE NO.

28-8

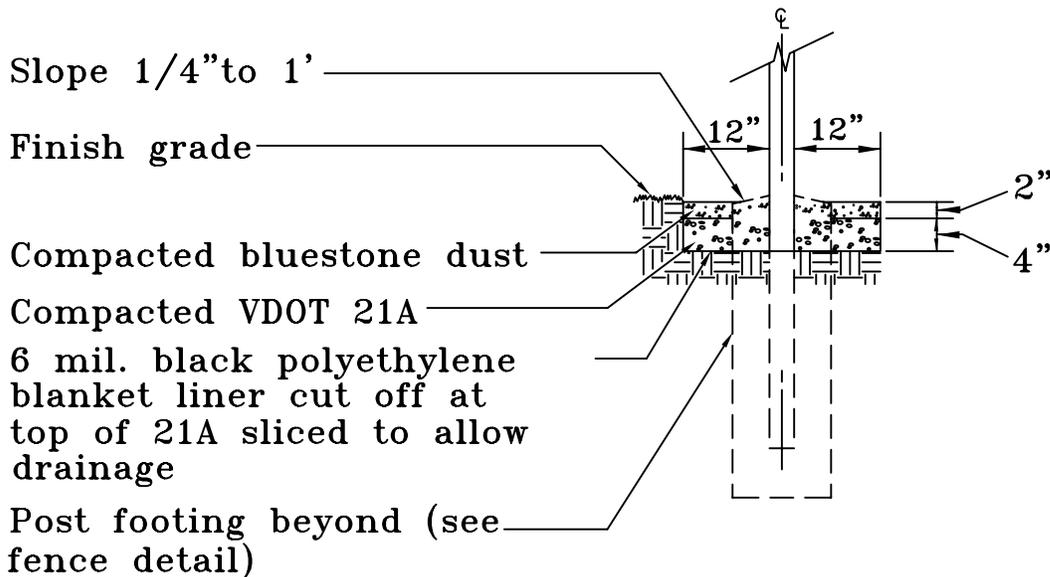
STD. NO.

PA-10

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



WARNING TRACK -SECTION



MOW STRIP SECTION

Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2

WARNING TRACK & MOW STRIP SECTIONS

PLATE NO.

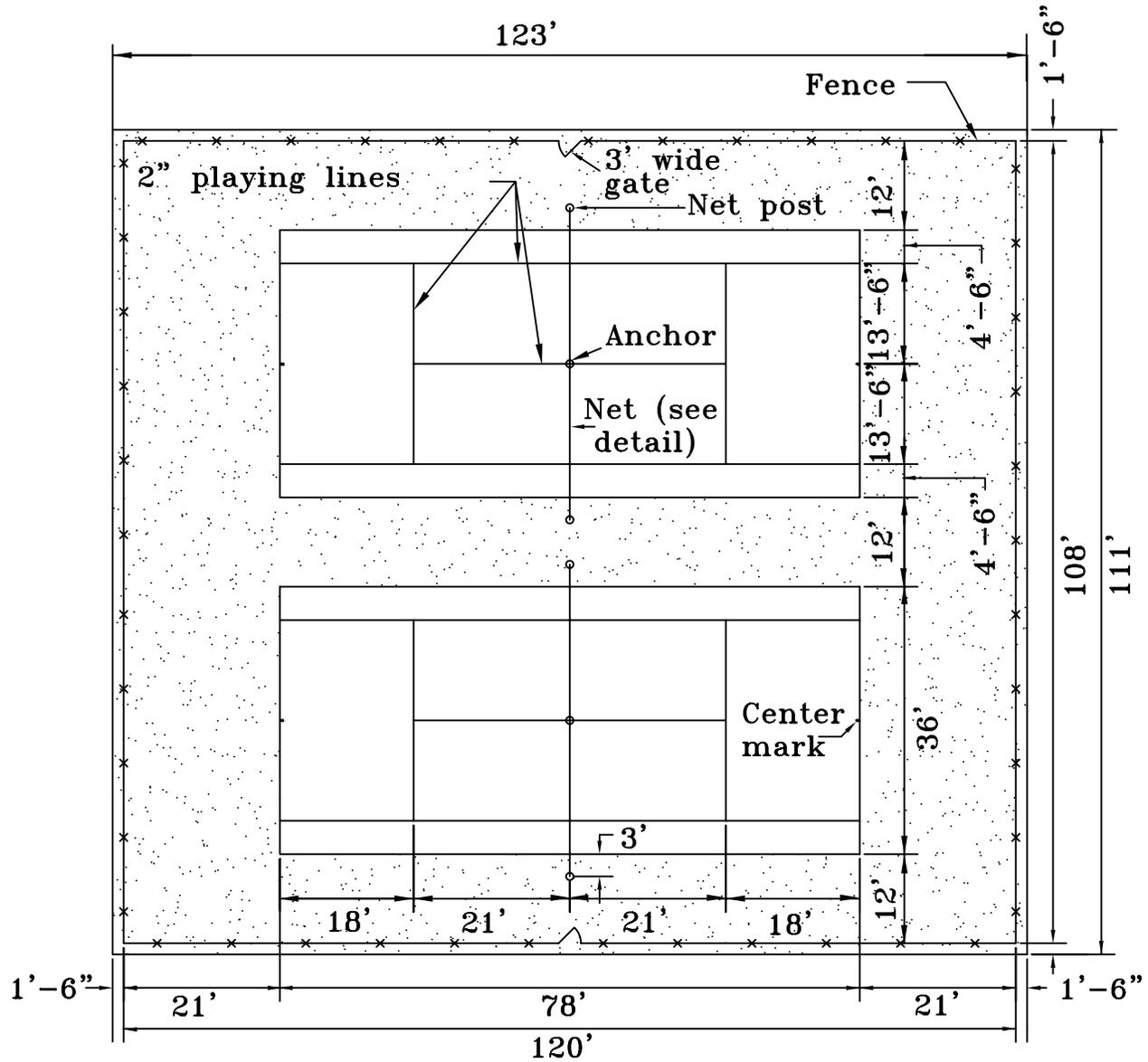
STD. NO.

29-8

PA-14

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FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



Ref. Sec. 2-02009.1,
2-0209.1L, 2-1104.2

Rev. 1-00, 2011 Reprint

TENNIS COURT LAYOUT

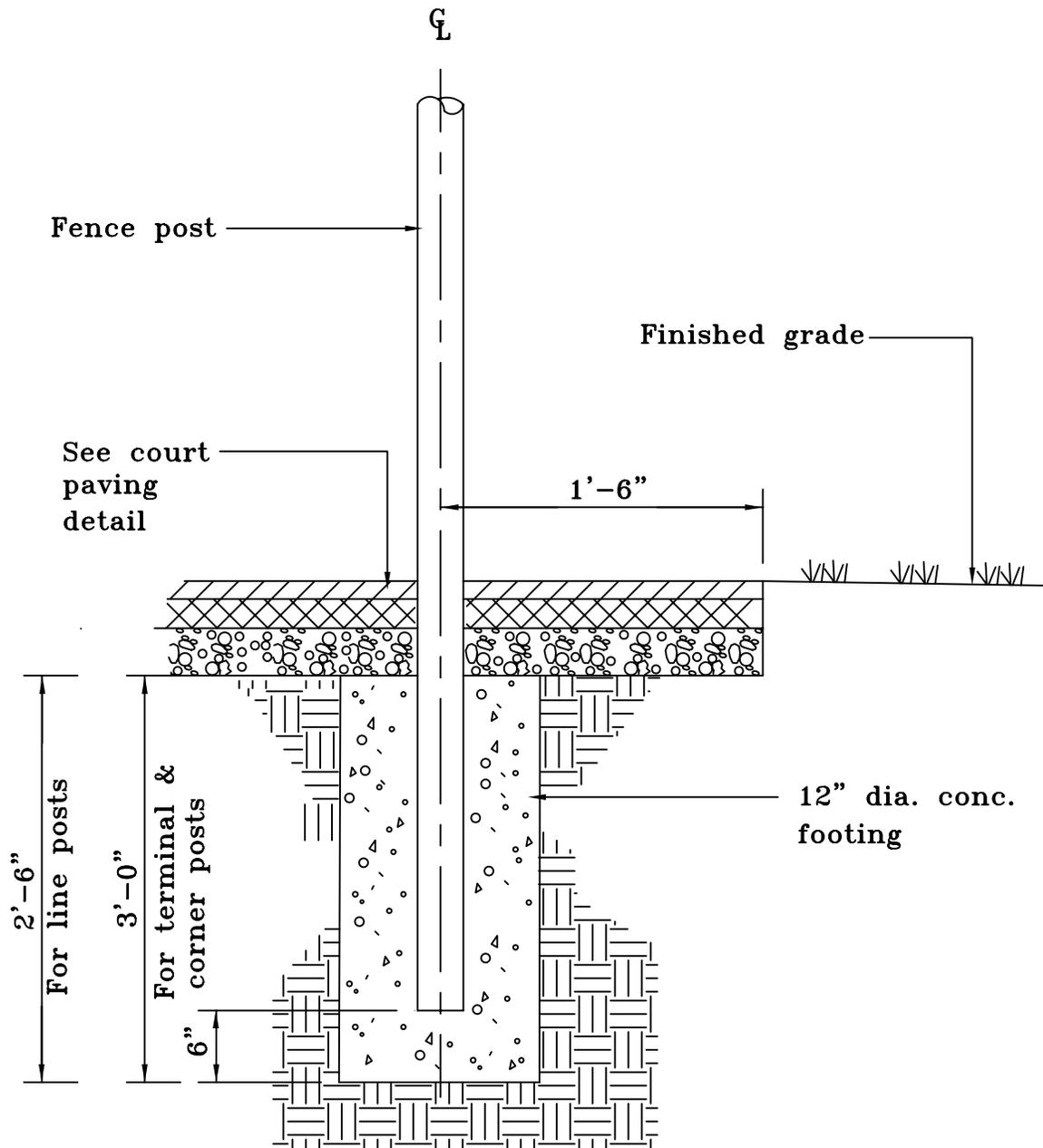
PLATE NO.

STD. NO.

30-8

PA-15

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2

FENCE POST

PLATE NO.

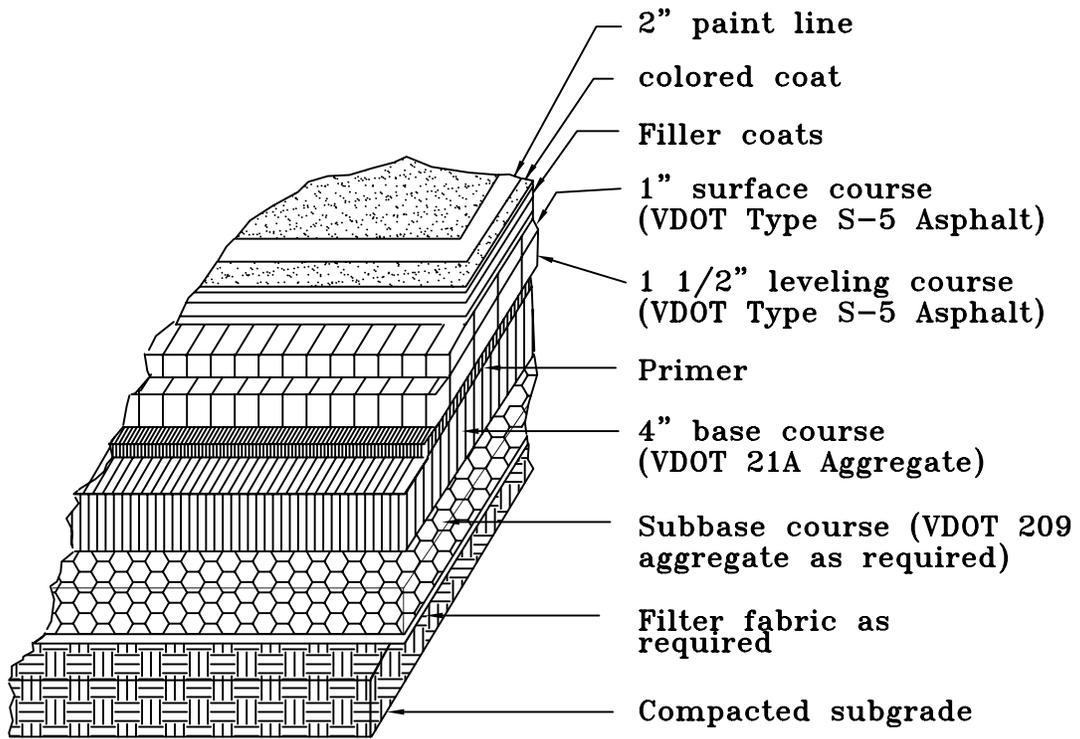
STD. NO.

32-8

PA-17

Rev. 1-00, 2011 Reprint

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2

Rev. 1-00, 2011 Reprint

COURT PAVING DETAIL

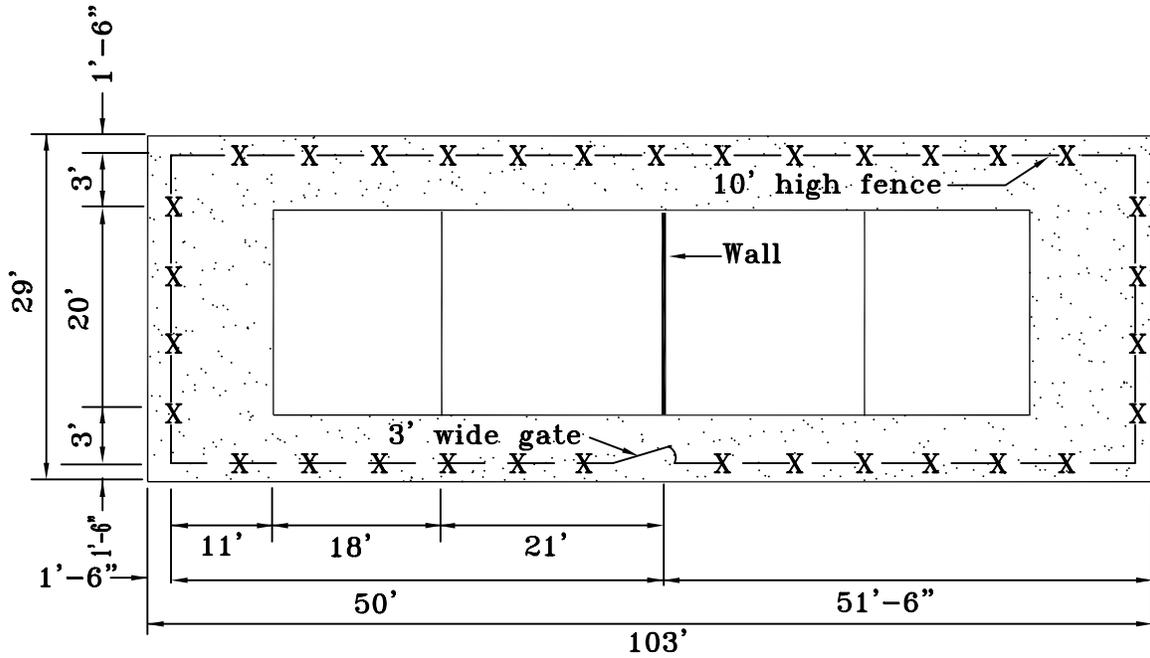
PLATE NO.

33-8

STD. NO.

PA-18

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2

TENNIS PRACTICE COURT LAYOUT

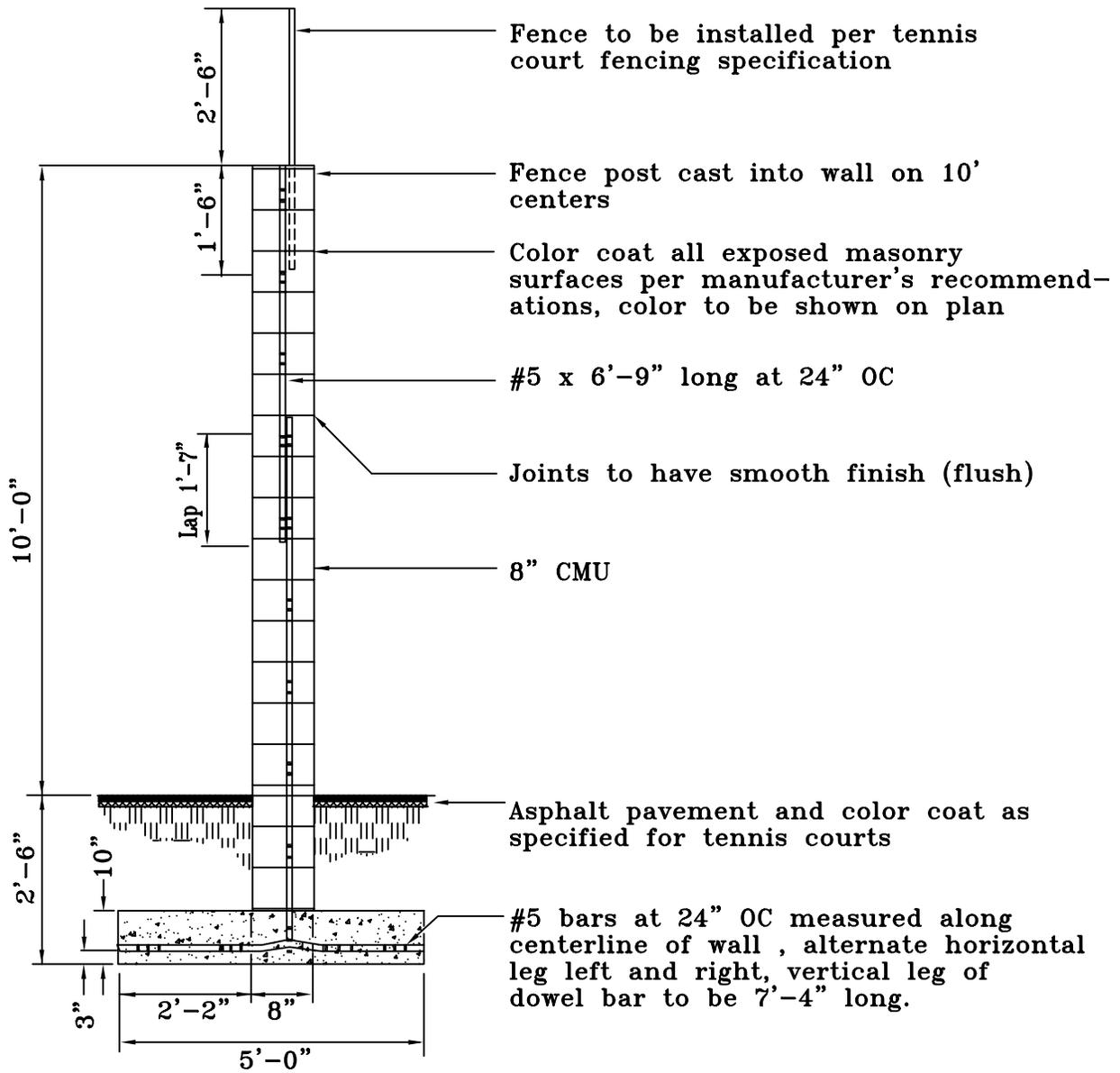
PLATE NO.

STD. NO.

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Rev. 1-00, 2011 Reprint

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



NOTES:

1. Install #9 wire joint reinforcing every 16" full height of wall in mortar joint.
2. Fill CMU cavity with 3000 PSI portland cement concrete. Do not use masonry mortar.
3. Reinforcing steel ASTM A615 Grade 40.
4. Concrete: 3000 PSI AE Concrete.
5. Vertical playing surfaces are to be plumb and true.

Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2

TENNIS PRACTICE WALL

PLATE NO.

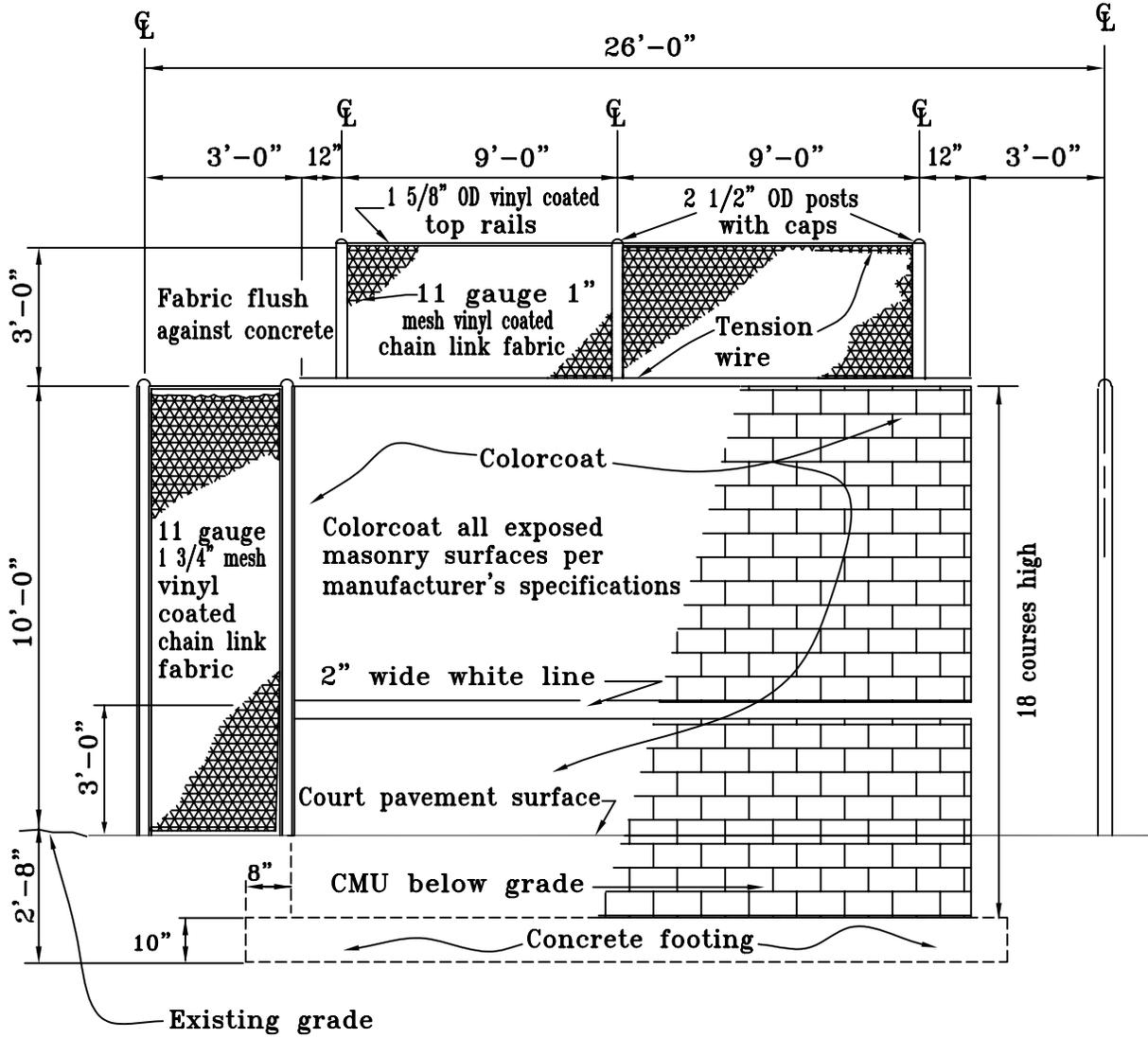
STD. NO.

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Ref. Sec. 2-0902.1,
2-0902.1L, 2-1104.2

Rev. 1-00, 2011 Reprint

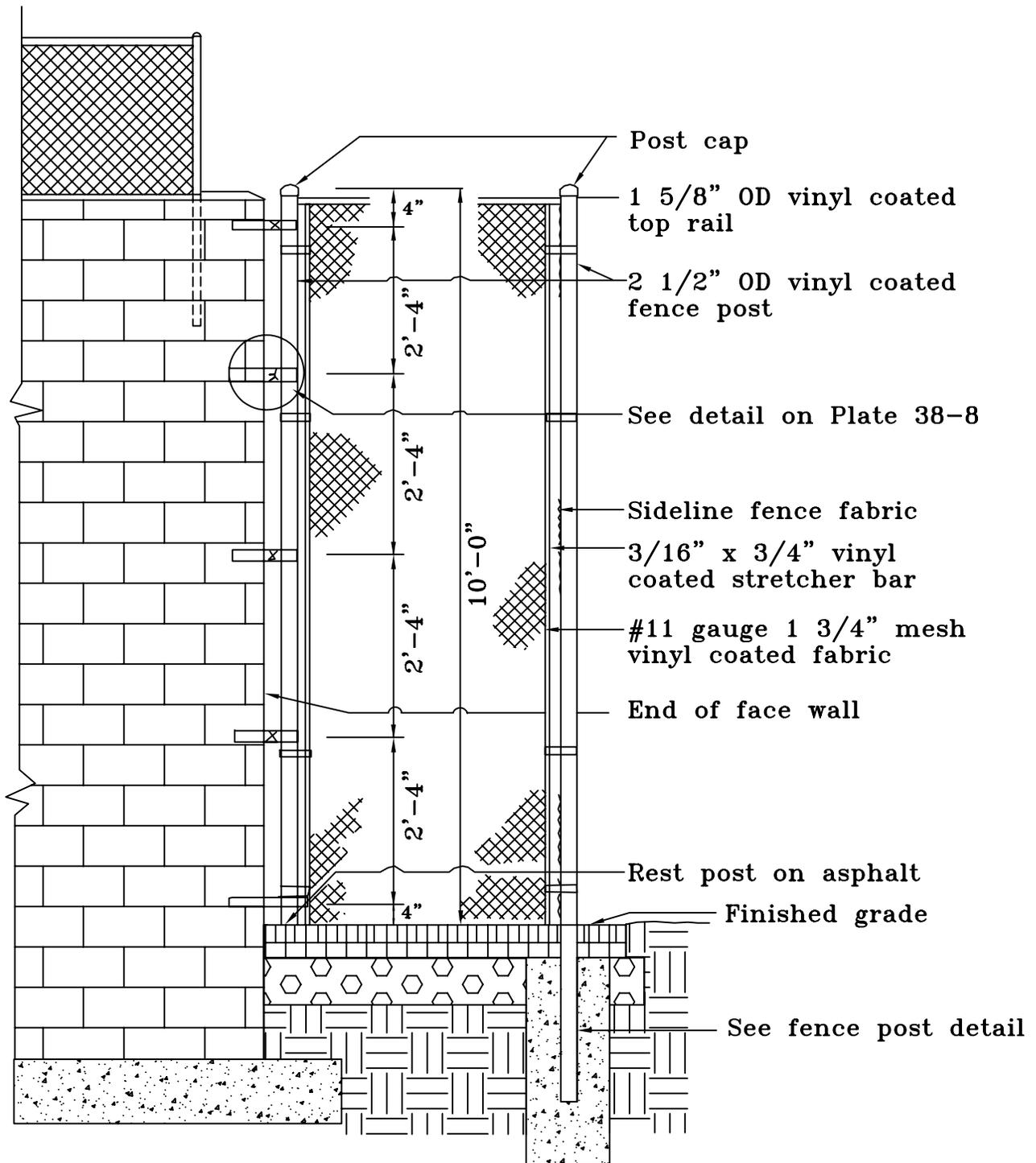
ELEVATION TENNIS COURT PRACTICE WALL

PLATE NO.

STD. NO.

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Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2,
Plate 38-8

Rev. 1-00, 2011 Reprint

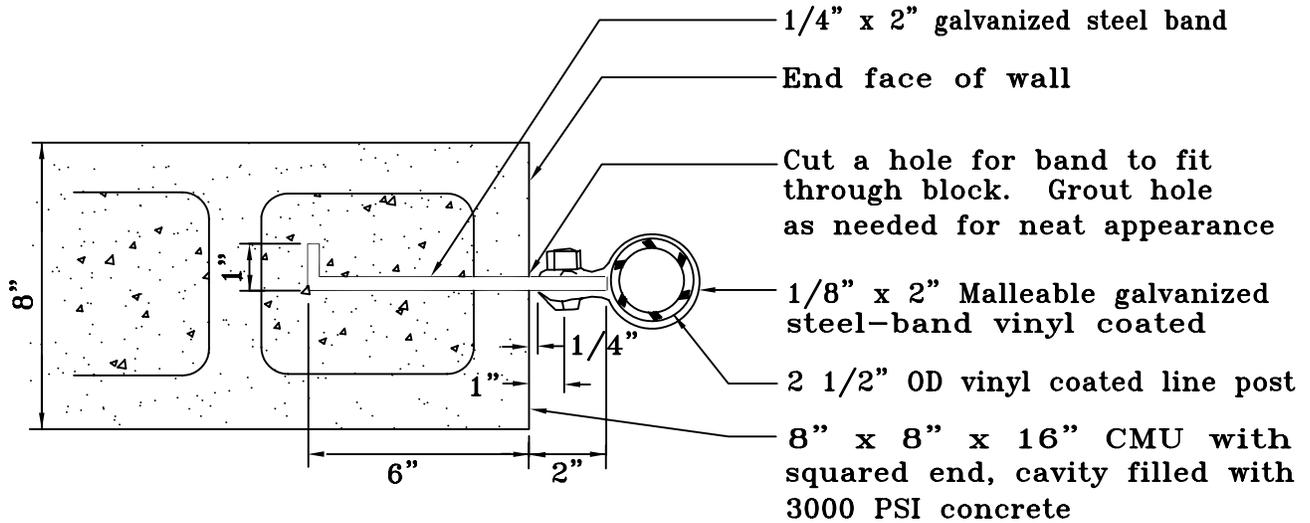
TENNIS PRACTICE WALL ATTACHMENT

PLATE NO.

STD. NO.

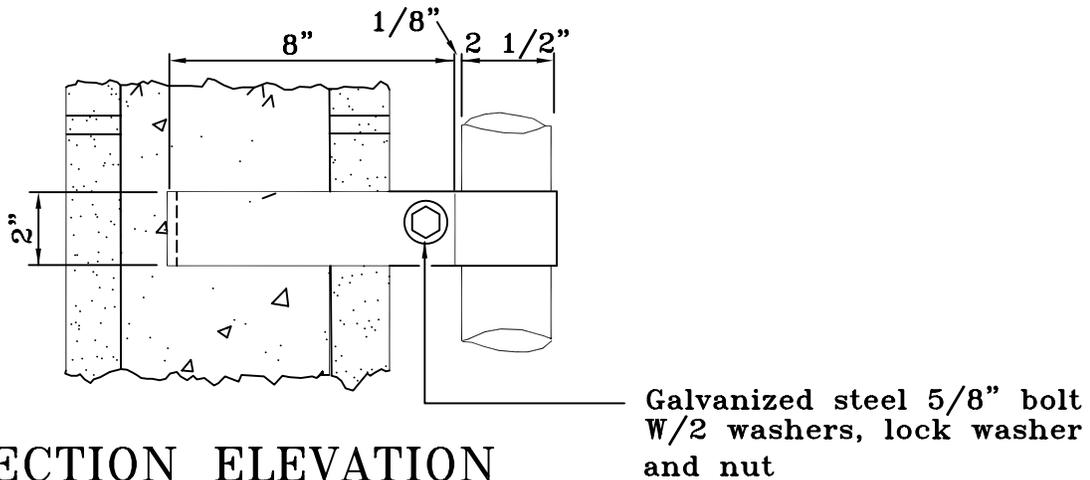
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PLAN SECTION

(From Plate 37-8)



SECTION ELEVATION

(From Plate 37-8)

Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2,
Plate 37-8

TENNIS PRACTICE WALL ATTACHMENT

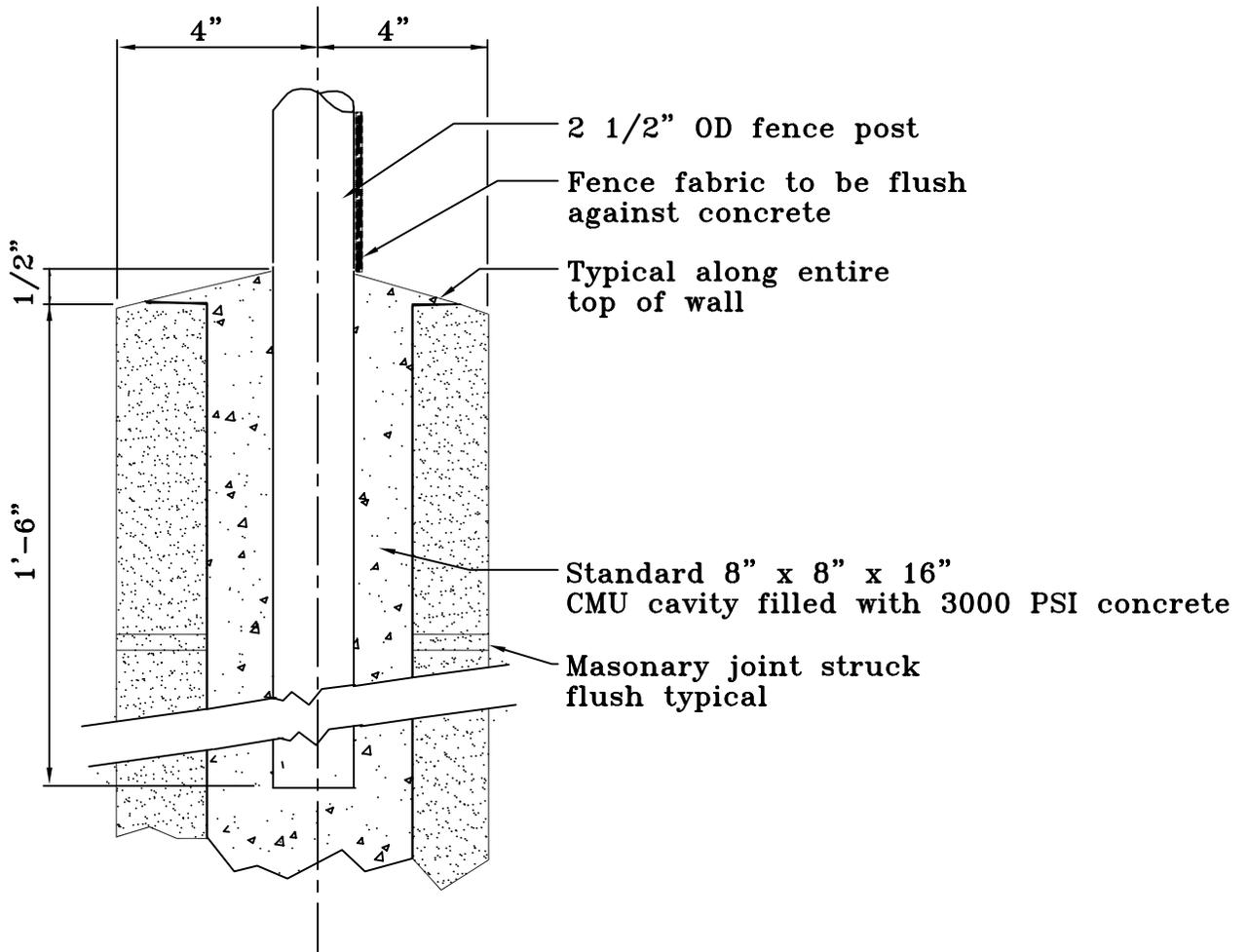
PLATE NO.

STD. NO.

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Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2

Rev. 1-00, 2011 Reprint

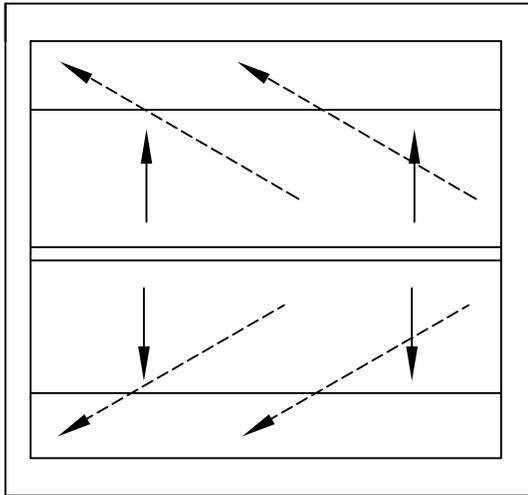
TOP OF PRACTICE WALL FENCE POST

PLATE NO.

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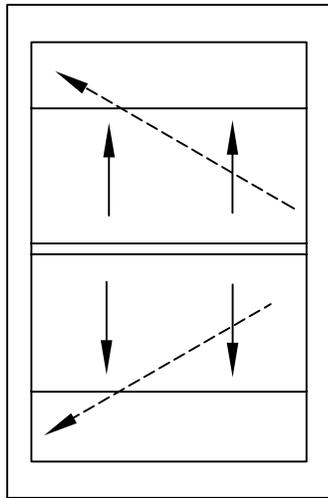
FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



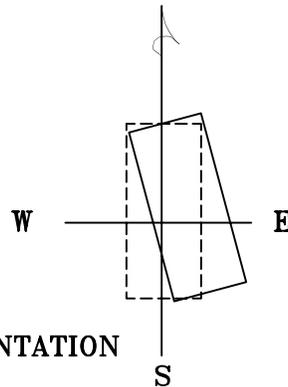
NOTE:

When 2 or more modular units occur, only the 2 end courts will have 3' paved out of bound area.

2 OR MORE MODULAR UNITS



1 MODULAR UNIT



ORIENTATION

LEGEND

- 1st preference
- 2nd preference

DRAINAGE

Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2

TENNIS PRACTICE COURT DESIGN INFORMATION

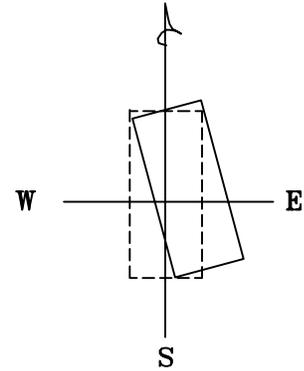
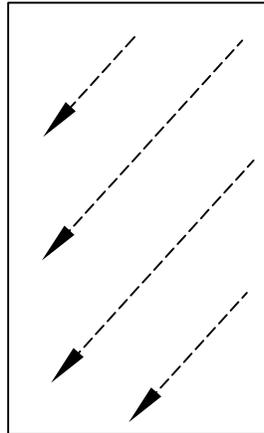
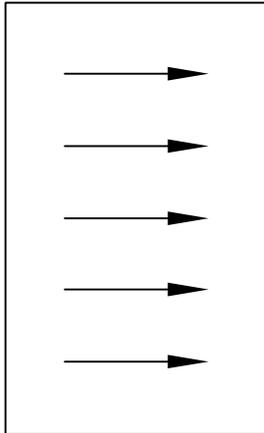
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FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



Orientation

DRAINAGE

Legend

- 1st preference
- 2nd preference

ALTERNATE COURT SIZES

<u>COURT TYPE</u>	<u>DIMENSIONS (ft)</u>	<u>USE AREAS (ft²)</u>
BASKETBALL		
Junior high	74 x 42	90 x 58 (5,220)
High school	84 x 50	100 x 66 (6,600)
College	94 x 50	110 x 66 (7,260)
	60 x 30	70 x 40 (2,800)
VOLLEYBALL		
TENNIS		
Single	78 x 36	133 x 73 (9,700)
Double	78 x 84	133 x 121 (16,100)
Practice	78 x 20	113 x 39 (4,400)

Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2

COURTS DESIGN INFORMATION

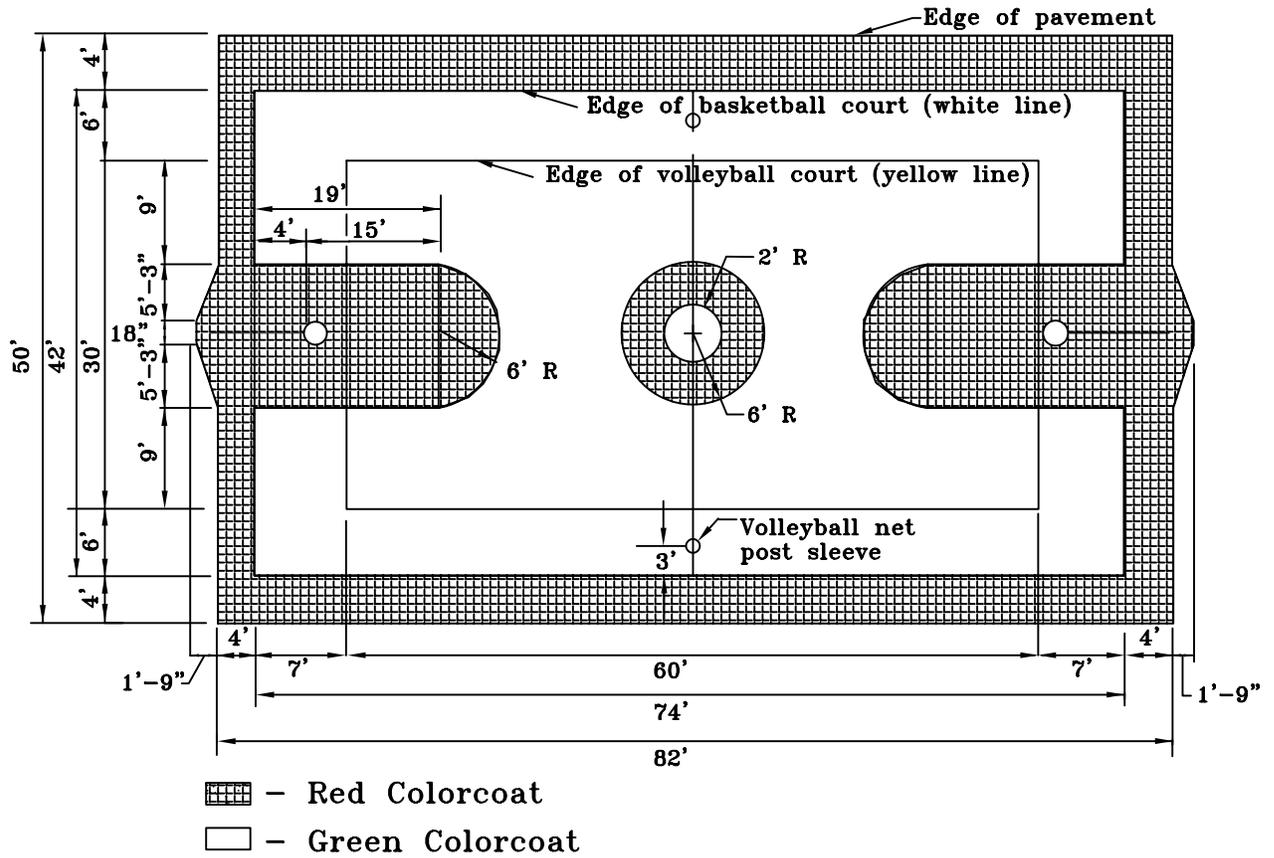
PLATE NO.

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NOTE: Basketball dimensions are to inside of 2" paint line.
 Volleyball dimensions are to outside of 2" paint line.

Ref. Sec. 2-0209.1,
 2-0209.1L, 2-1104.2

MULTI-USE COURT PLAN

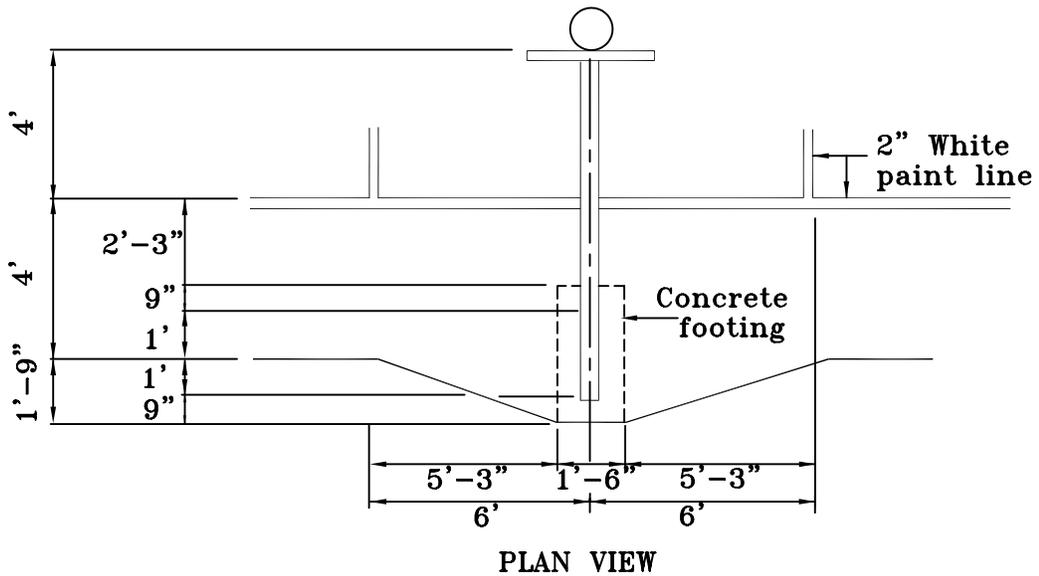
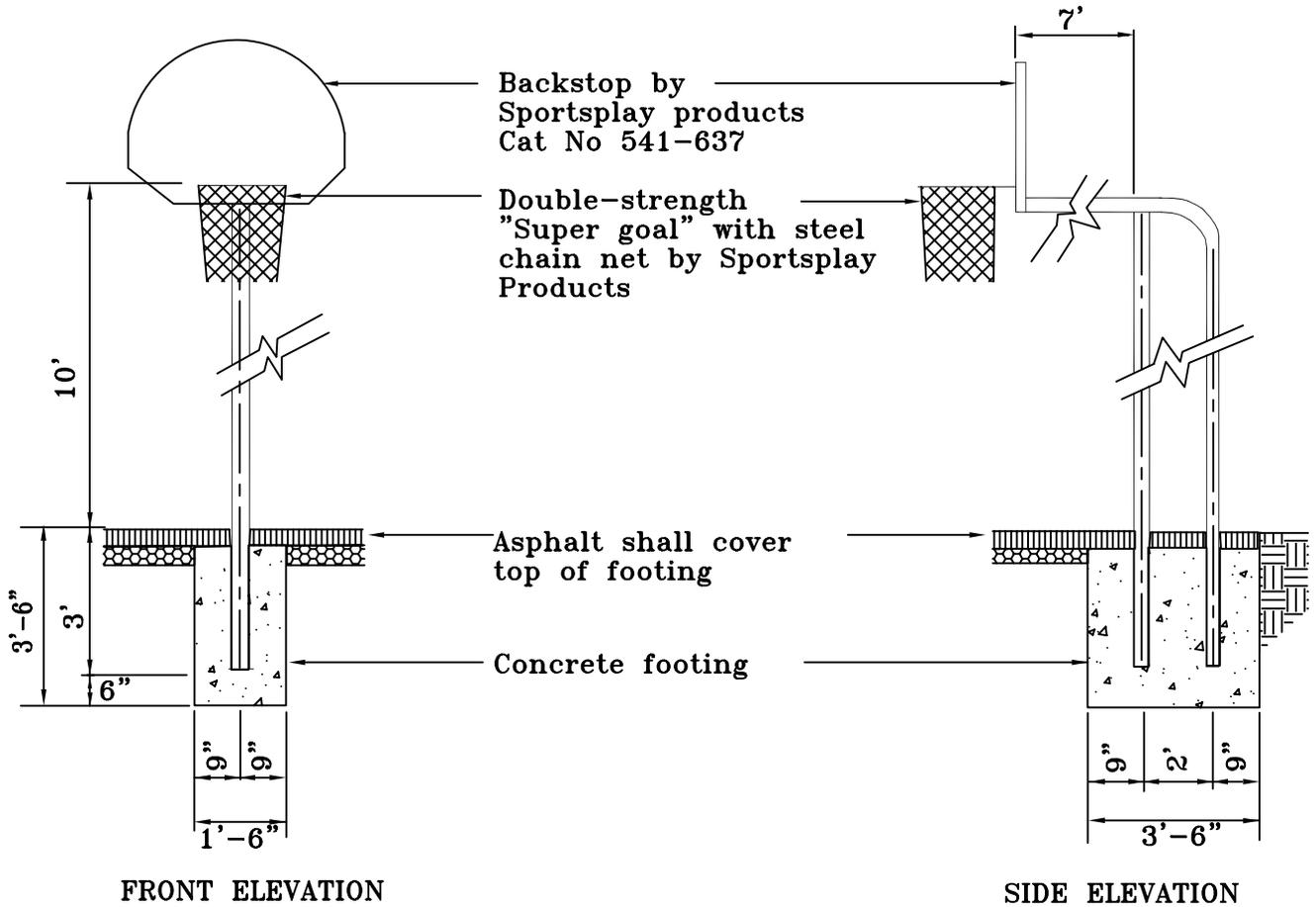
PLATE NO.

STD. NO.

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Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2

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BASKETBALL BACKSTOP

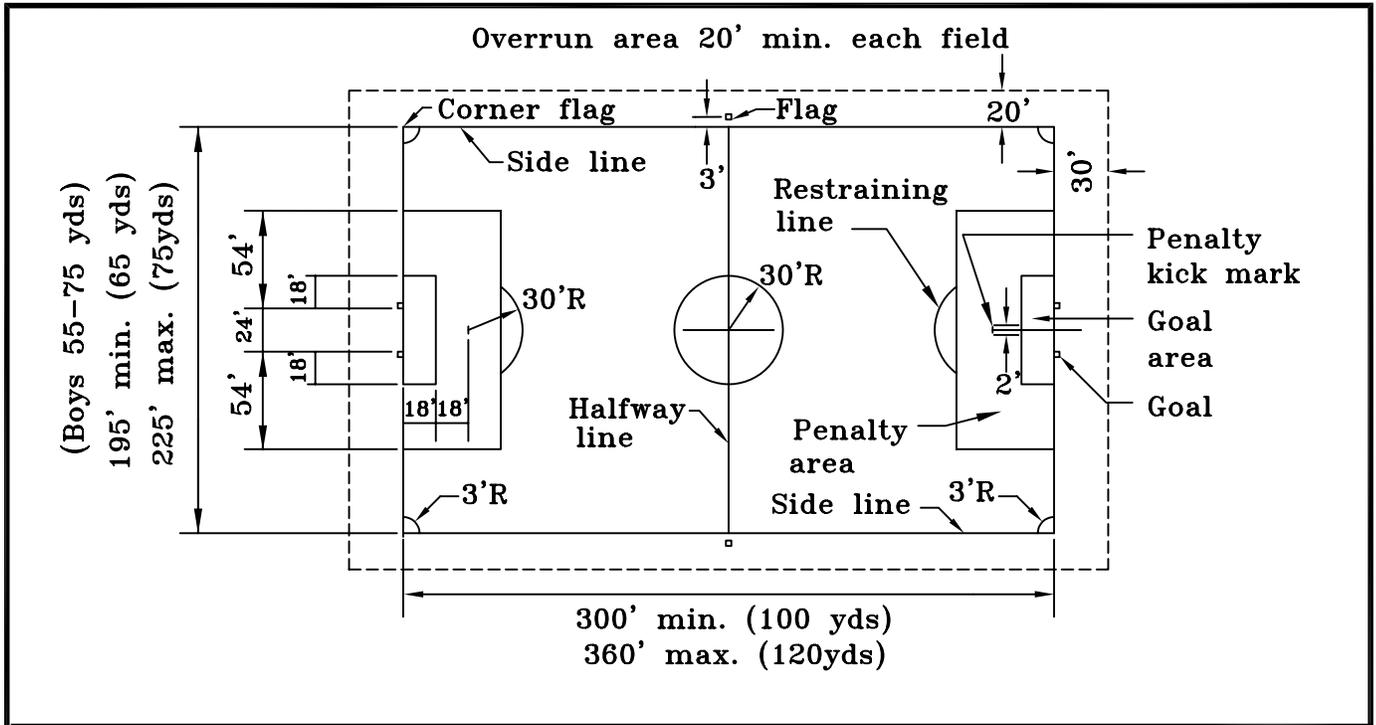
PLATE NO.

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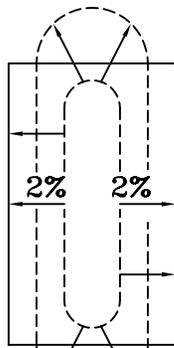
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FAIRFAX COUNTY PUBLIC FACILITIES MANUAL

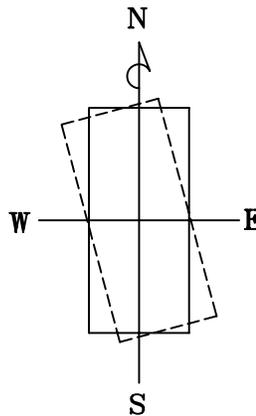
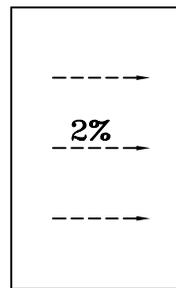


Notes:

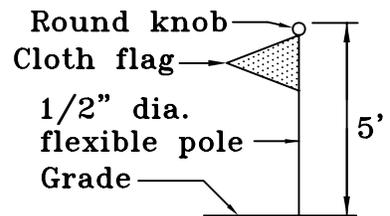
- All dimensions are to the inside edge of lines.
- All lines shall be 2" wide and marked with a white non-toxic material which is not injurious to the eyes or skin.
- Overtime area may slope up to 5%.



DRAINAGE



ORIENTATION



FLAG DETAIL

Legend
 ——— 1st preference
 - - - - 2nd preference

Ref. Sec. 2-0209.1,
2-0209.1L, 2-1104.2

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SOCCER DESIGN INFORMATION

PLATE NO.

STD. NO.

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