Specifications.

of 30" depth.

22. Backfill no debris larger than 6" in diameter.

encosement with rip-rap required.

21. The contractor shall place the "steamer" outlet of the fire hydrant toward the street.

23. All creek crossings will require ductile iron pipe. If less than 3' of cover, concrete

25. Easements shall be provided for water mains, and all utilities on the record plat. See

26. The City of O'Fallon Water Department shall be notified at least 48 hours prior to

27. All open mains should be properly capped when the main is unattended for more than

29. All service lines under the streets are to have a 2" PVC casing installed, at a minimum

24. Hydrant distances: 600'/300' — Residential/Commercial pending.

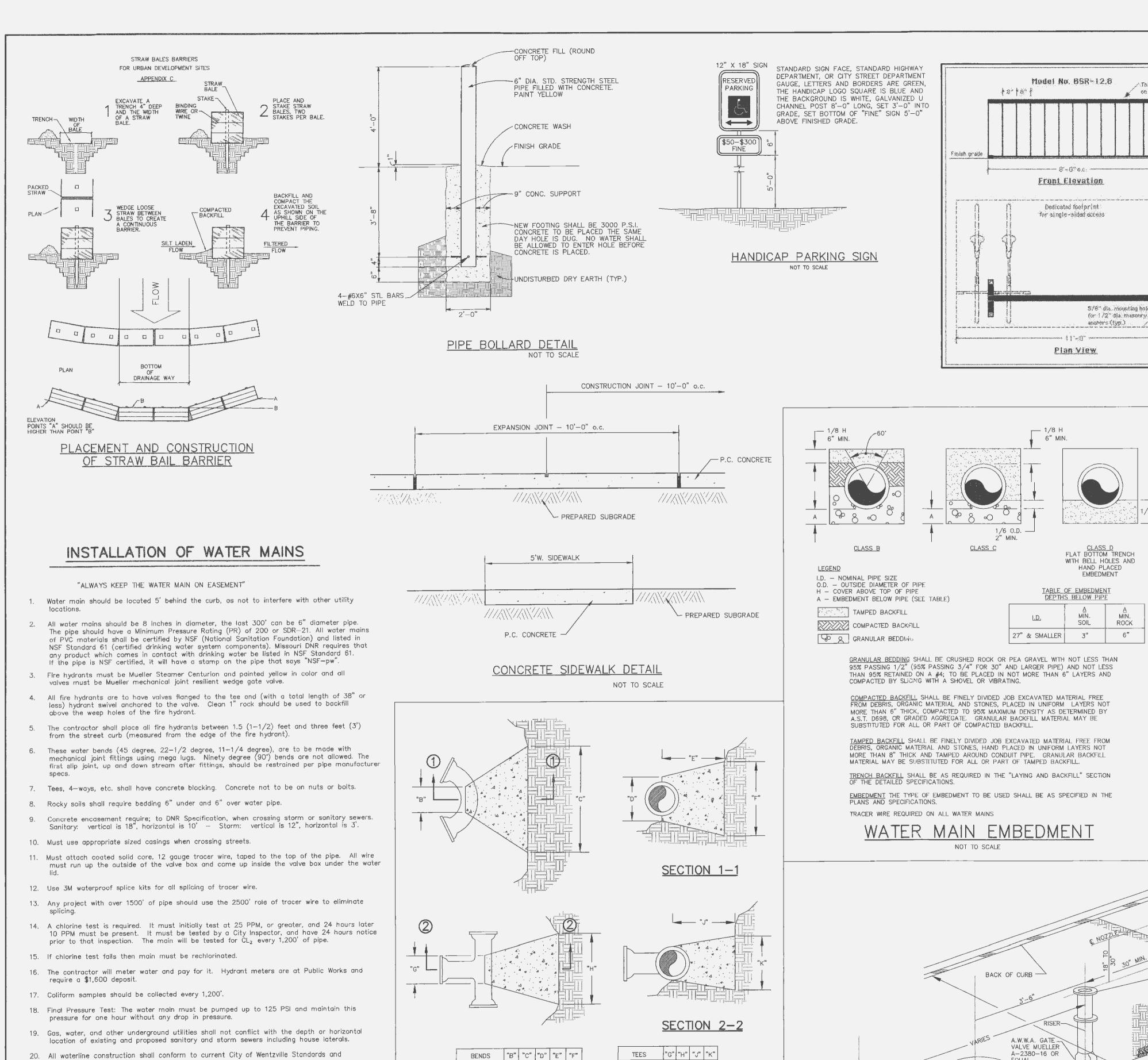
construction of water mains for coordination and inspections.

28. All bore casings, except service lines, shall have a casing spacer every 10'.

NOTE: 24 HOUR NOTICE REQUIRED ON ALL INSPECTIONS

4 hours. Duct tape the end closed so it is visually seen.

record plat for location size, and width of easements.



6"-11 1/4" 8" 15" 12" 24" 10"

6"-22 1/2" 8" 19" 12" 24" 13" 6"-45" 8" 30" 12" 24" 14"

8"-11 1/4" 8" 20" 12" 24" 10"

12"-11 1/4' 8" 30" 12" 24" 15"

12"-22 1/2" 8" 35" 12" 24" 25"

1. 2"& 4" FITTINGS EQUIVALENT TO 6"

2. TAPPING SLEEVES TO HAVE BACKING BLOCKS SAME SIZE AS REQUIRED FOR

8"-45"

12"-45"

12"-90"

8" 30" 12" 24" 14"

8" 30" 12" 24" 27"

8" | 30" | 12" | 24" | 24"

8" 38" 12" 24" 36"

8" 40" 12" 24" 40"

8" | 60" | 12" | 24" | 52"

BACKING BLOCKS

6"X6"X6" | 12" | 24" | 24" | 18"

8"X8"X6" | 12" | 24" | 24" | 18"

12"X12"X6" |12" |24" | 24" | 18"

12"X12"X8" | 12" | 24" | 24" | 24"

12"X12"X12" | 12" | 36" | 24" | 36"

CUBIC FEET OF CONCRETE REQUIRED

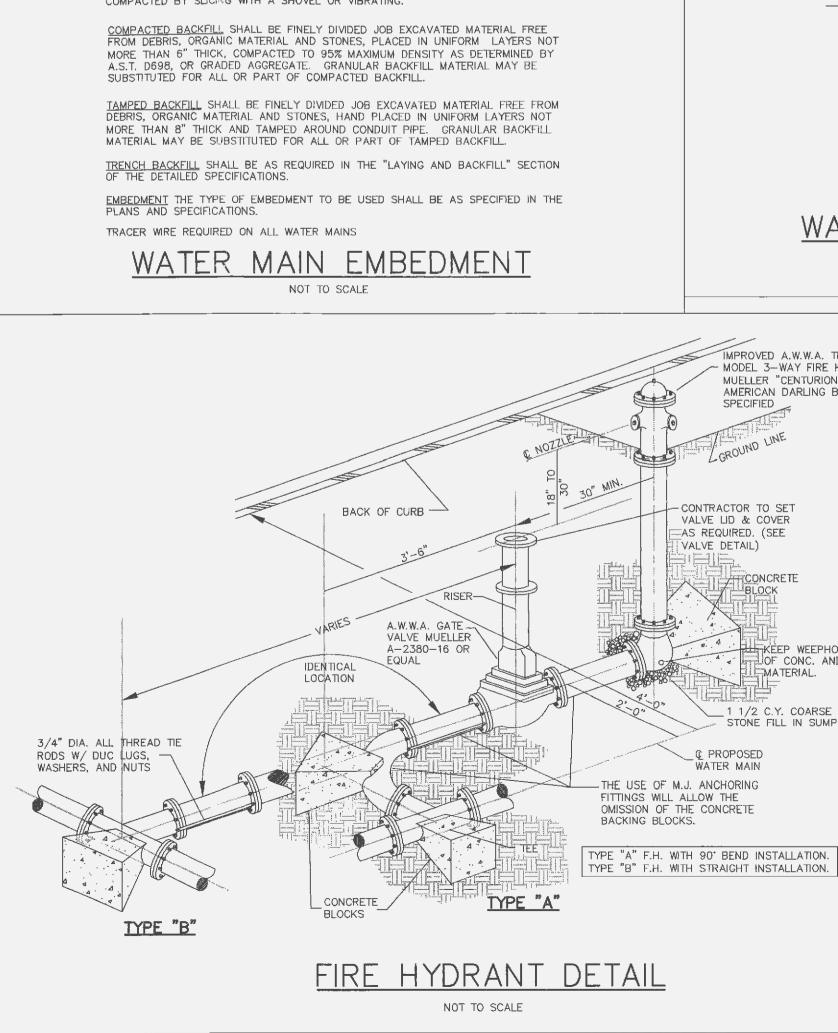
BEND 11 1/4 22 1/2 45 90

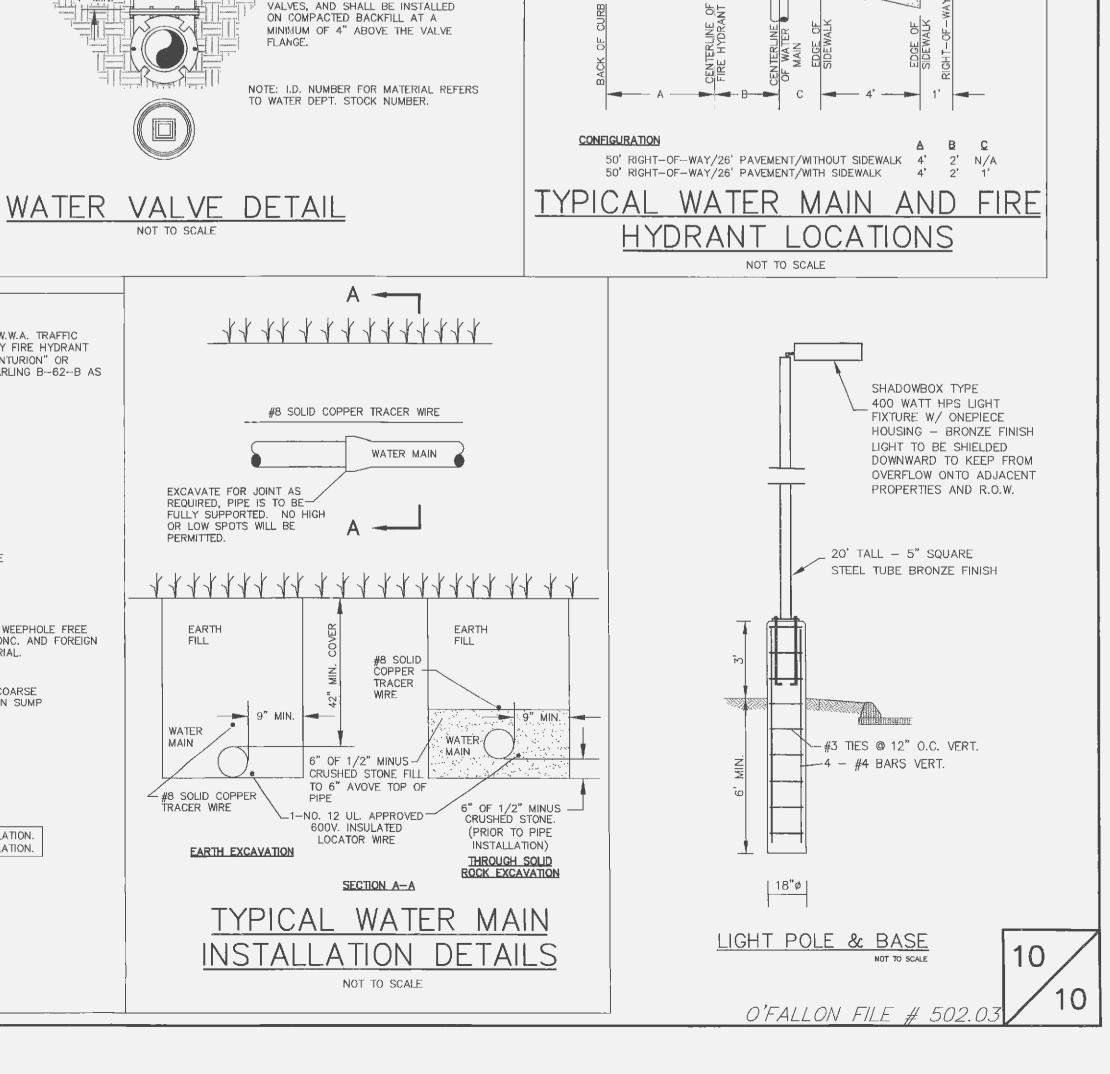
TEE X 6" 8" 12" PLUG

6" 40 ~ ~ 4.0 8" 40 5.0 ~ 5.0 12" 40 5.5 10.5 10.5

8"X8"X8"

12" 24" 24" 24"





A DETAIL SHEET FOR **SYNERGETICS**

BUILDING ADDITION

-COMPACTED EARTH

GRANULAR FILL

FABRIC MAT ENCOMPASSING

-GRID PLACEMENT TO BE

DETERMINED BY OTHERS

3/4" CLEAN GRANULAR

BACKFILL-MIN. 1' THICK

4" PERFORATED DRAIN PIPE

CONNECTED TO STORM SEWER

- 1/2" CHAMFER (TYP.)

NOT TO SCALE

- NEW PAVEMENT

-CRUSHED STONE BASE

-#4 AT 5'-0" CENTERS

PREPARED SUBGRADE

9-14-04

01-11793D

SEE MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION PROCEDURE, AND GRID PLACEMEN'

CONCRETE CURB DETAIL

MODULAR BLOCK CONCRETE RETAINING WALL

(RETAINING WALL DESIGN BY OTHERS) NOT TO SCALE

CAP UNIT-

COMPACTED BASE-

FINISH GRADE

(1) #5 TOP AND BOTTOM CONTINUOUS

((())

STOP REINFORCEMENT AT JOINTS

MODULAR BLOCK-

(SEE MANUFACTURER'S

OR EQUIVALENT

SPECIFICATIONS)

PAINTED HANDICAPPED

WALVE BOX MUELLER

H-10360 OR EQUAL

STANDARD 2" SQUARE

VALVE OPERATING NUT

GRAVEL SHIELD 1/4"

160 P.V.C. RISER

SOCKET FROM 1/4" STEEL

INSIDE DIA. 2-3/16"X3"

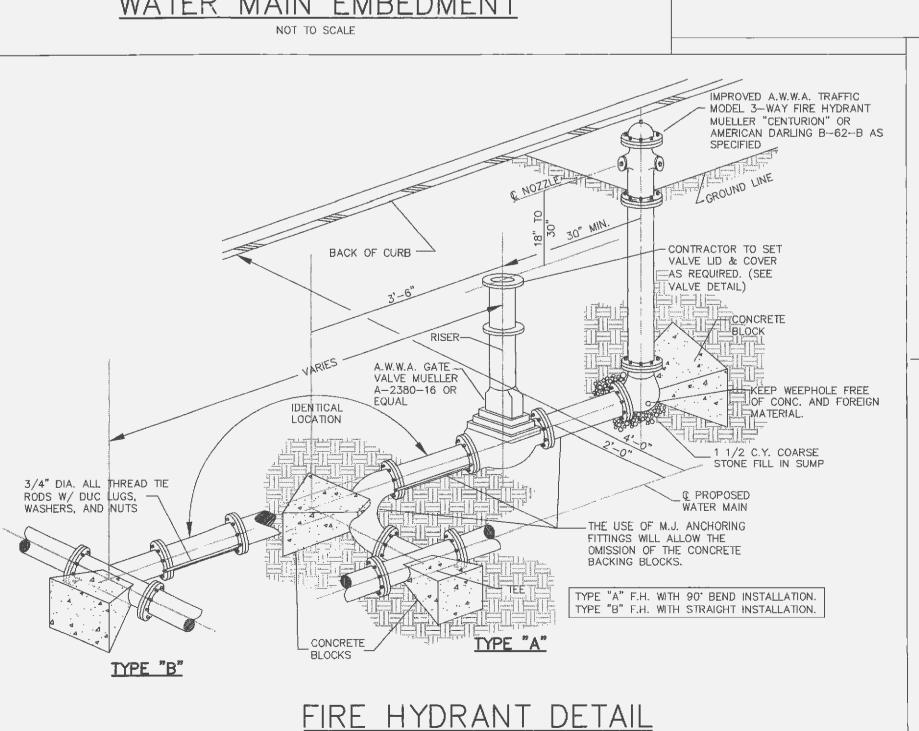
VALVE BASE TO BE USED ON ALL

STEEL 5 1/4" DIA.

1" COLD ROLL STEEL

PARKING SYMBOL

NOT TO SCALE



/ Thick representation resistant, black plastic sleeve.

on top header protects paint finishes of bildes.

Anchor Security

1129"

Side Elevation

ORDERING INFORMATION

Bike-Standard-Rail®

Moderate Security Bike Recks

Model # (o.s.) 1 side 2 sides

BSR- 0 8 5 - 4' 5 10 85R-128 8-0" 7 14

85R-16.6 10'-8" 9 18

BSR-20,8 13'-4" 11 22

83R-248 16'-0' 13 26

BSR-48 2-8" 3

3' MAX.

VARIES AS REQUIRED

ROCK

Length Bike Capacity

BIKE RACK DETAIL NOT TO SCALE

3-1/4"

4" MIN.

CONCRETE COLLAR

Cap® (typ.)