CABLE BAR
WIDTH 1 1/9" MIN
THICKNESS 1/4"

COILER CABLES
ATTACHED TO CABLE BAR

COILER CABLE
5'-6' LONG
5/16"-3/8" COATED CABLE
1" MIN EYELET ID

30"-36"

20-24"

SCH. 40 GALVANIZED
9/10" O.D.

FRONT VIEW

BASE PLATE DETAIL

1/2" Ø DRILLED HOLES
CENTERED BETWEEN
EDGES OF BASE PLATE
AND EDGE OF PIPE

6" MIN.

3" MIN.

1/2" Ø DRILLED HOLES
CENTERED BETWEEN
EDGES OF BASE PLATE
AND EDGE OF PIPE

6" MIN.

3/8" Ø
DRILLED VENT HOLE
TOP SIDE ONLY

SEE BASE PLATE DETAIL

TOP VIEW

ALT BASE PLATE DETAIL
(CIRCULAR OR OVAL PLATE)

GENERAL NOTES:
1. RACK INSTALLATION METHOD SHALL COMPLY WITH CITY STANDARD DETAIL
   ST-21, ST-22, OR ST-23.

2. RACK PLACEMENT SHALL BE AS SHOWN ON THE DRAWINGS.

3. BASE PLATES TO BE 1/4" PLATES, ASTM A-36 OR AISI 1010-1018, GALVANIZED.
GENERAL NOTES:

1. RACK INSTALLATION METHOD SHALL COMPLY WITH CITY STANDARD DETAIL ST-21, ST-22, OR ST-23.

2. RACK PLACEMENT SHALL BE AS SHOWN ON THE DRAWINGS.

3. BASE PLATES TO BE 1/4" PLATES, ASTM A-36 OR A'SI 1010-1018, GALVANIZED.
BICYCLE RACK (ST-19 OR ST-20)

MORTARED JOINT*

SEE NOTE BELOW

2 3/8" PAVER

MORTARED JOINT*

1" MIN SAND BEDDING (TYP.)

3"-4" OF EITHER CONCRETE OR CEMENT TREATED LAYER

8" x 8" x 10" CONCRETE FOOTING*

MORTAR*

DRY SAND-CEMENT BEDDING LAYER

SIDE VIEW

3/8"ø X 6" ANCHOR BOLTS EPOXIED IN PLACE. SEE NOTES 7-10 ON SHEET 2 OF 2.

MOUNTING BOLT DETAIL

CITY OF ROUND ROCK

BICYCLE RACK INSTALLATION IN CONCRETE PAVER SIDEWALK—ALTERNATE 1

SCALE: NTS

DRAWING NO: ST-21.1

SHEET 1 of 2

01-28-21

DATE

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL.
CONSTRUCTION SEQUENCE:

1. PLACE BICYCLE RACK ON PAVERS AND MARK LOCATIONS OF BOLT HOLES AND REMOVE BICYCLE RACK.
2. DRILL THE HOLE LOCATIONS. IF CONCRETE IS HIT BELOW THE SAND (REMOVE CARRIAGE RETURN) CEMENT LAYER, ABOUT 4" DOWN THEN SKIP TO STEP 10. IF CONCRETE IS NOT PRESENT BELOW PAVERS PROCEED TO STEP 3 AS FOOTINGS WILL HAVE TO BE INSTALLED.
3. IDENTIFY LOCATION OF FOOTING.
4. MARK AND REMOVE EXISTING PAVERS THAT ARE THE FIRST FULL UNITS AWAY FROM FOOTING LOCATIONS, PLACE MORTAR BEDDING LAYER, MORTAR THE JOINT AND REPLACE/COMPACT THE "MARKED" PAVERS IN APPROPRIATE LOCATIONS.
5. MARK AND REMOVE EXISTING PAVERS FROM LOCATION ABOVE FOOTING LOCATIONS.
6. EXCAVATE FOR FOOTINGS AND PLACE CLASS "A" CONCRETE CONCRETE.
7. PLACE DRY SAND–CEMENT BEDDING LAYER, REPLACE THE "MARKED" PAVERS IN APPROPRIATE POSITIONS AND COMPACT THE PAVERS IN PLACE.
8. PLACE BICYCLE RACK ON PAVERS AT APPROPRIATE LOCATIONS AND RE–MARK BOLT HOLES.
9. DRILL BOLT HOLES THROUGH THE PAVERS INTO THE CONCRETE FOOTINGS.
10. INSTALL ANCHOR BOLTS AND EPOXY THEM IN PLACE.
11. INSTALL BICYCLE RACK AND BOLT IN PLACE.
12. TO PREVENT THEFT OF BICYCLE RACK OR BIKES, EXPOSED BOLTS MUST BE DEFORMED AND NUTS RE–TIGHTENED TO PREVENT THEM FROM BEING EASILY UNTHEADED. NUTS SHOULD BE TESTED TO ENSURE THAT THEY CANNOT BE EASILY REMOVED AFTER DEFORMATION.

* IF NECESSARY, SEE CONSTRUCTION SEQUENCE FOR DETAILS
** THESE STEPS ARE REQUIRED FOR EXISTING PAVER SIDEWALKS TO MAINTAIN STRUCTURE AND STABILITY OF ADJOINING PAVERS.

DRY SAND–CEMENT BEDDING PLACEMENT:

1. MATERIAL COMPOSED OF ONE PART CEMENT AND 3 PARTS SAND.
2. THE DRY MIXTURE SHALL BE LIGHTLY WETTED PRIOR TO PLACEMENT OF PAVERS.
3. AFTER COMPACTION OF PAVERS, JOINTS SHALL BE FILLED WITH DRY SAND–CEMENT.
4. THE COMPLETED JOINTS SHALL BE FOGGED LIGHTLY WITH WATER.
BASIC INSTALLATION

SECURE BIKE RACK WITH 3/8" X 3" HEX HEAD SLEEVED MECHANICAL EXPANSION ANCHOR BOLT AND LOCK NUT*

3/8" Ø DRILLED HOLE (RED HEADS SHALL NOT BE USED)

INSTALLATION DETAIL

GENERAL NOTES:

1. RACKS SHALL COMPLY WITH CITY STANDARD DETAIL ST-19 OR ST-20.

2. RACK PLACEMENT SHALL BE AS SHOWN ON THE DRAWINGS.

*TO PREVENT THEFT OF BICYCLE RACK OR BIKES, EXPOSED BOLTS MUST BE DEFORMED AND NUTS RE-TIGHTENED TO PREVENT THEM FROM BEING EASILY UNTHEADED. NUTS SHOULD BE TESTED TO ENSURE THAT THEY CANNOT BE EASILY REMOVED AFTER DEFORMATION.
GENERAL NOTES:
1. RACKS SHALL COMPLY WITH CITY STANDARD DETAIL ST-19 OR ST-20.
2. RACK PLACEMENT SHALL BE AS SHOWN ON THE DRAWINGS.

SCALE: NTS

CITY OF ROUND ROCK

BICYCLE RACK INSTALLATION IN SIDEWALKS—ALTERNATE 2

RECORD SIGNED COPY ON FILE
APPROVED
01-28-21
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL.