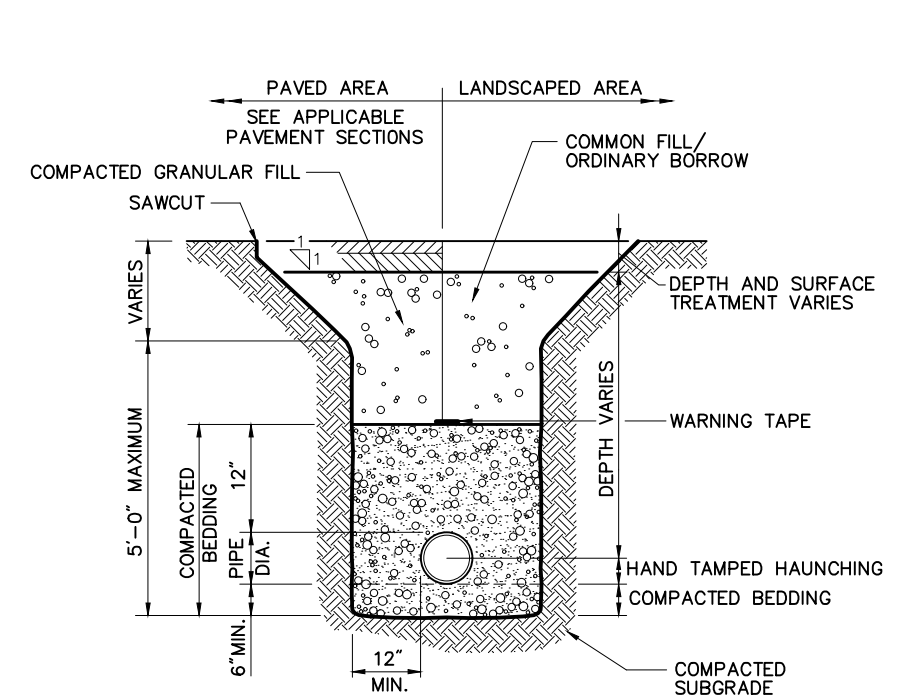


- Notes:**
- INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND HAY BALES HAVE BEEN REMOVED.
 - GRATE TO BE PLACED OVER SILTSACK.
 - SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED.

Silt sack Sediment Trap 6/08
N.T.S. Source: VHB LD_674



- Notes:**
- WHERE UTILITY TRENCHES ARE CONSTRUCTED THROUGH DETENTION BASIN BERMS OR OTHER SUCH SPECIAL SECTIONS, PLACE TRENCH BACKFILL WITH MATERIALS SIMILAR TO THE SPECIAL SECTION REQUIREMENTS.
 - USE METALLIC TRACING/WARNING TAPE OVER ALL PIPES.

Utility Trench 8/11
N.T.S. Source: VHB LD_300

City of Portland Technical Manual Section 1 - Transportation Systems and Street Design Adopted 7/19/10, Rev. 6/17/11, 7/21/11

BIKE HITCH

Specifications and Space Use

Product: Dero Bike Hitch
As manufactured by Dero Bike Racks

Capacity: 2 Bikes

Dimensions: 17" x 14" x 11" (approximate)
1.5" x 11" (approximate)

Finish: As after fabrication for dipped galvanneal finish is standard. 2010G powder coat color, chrome-plated coating and a stainless steel option are also available.

Installation: Our powder coat finish ensures a high level of adhesion and flexibility by following these steps:
1. Sandblast
2. Zinc phosphate pretreatment
3. Epoxy primer electrocoat applied
4. Final top coat, epoxy powder coat

Stainless Steel: 304 grade stainless steel material finished in either a high polished shine or a satin finish.
A military PVC cap is also available.

Installation: In-ground mount is embedded into concrete base. Surface mount has a 4" x 4" base which is anchored to the ground with four anchors (included with each).

Space Use and Setback: For racks set parallel to a wall:
Minimum: 12"
Recommended: 14"

For racks set perpendicular to a wall:
Minimum: 24" (spacing recommended)
Recommended: 30" if racks to be spaced between bike and wall

Clearance Between Racks:
Minimum: 24"
Recommended: 30"

Ground Surface:
Minimum: 30"
Recommended: 36"

DATE: AUGUST 2009
REVISIONS:

CITY OF PORTLAND, MAINE TECHNICAL STANDARDS MANUAL

TRANSPORTATION SYSTEMS AND STREET DESIGN SECTION 1

FIGURE: I-33a

DERO BIKE RACKS

City of Portland Technical Manual Section 1 - Transportation Systems and Street Design Adopted 7/19/10, Rev. 6/17/11, 7/21/11

BIKE HITCH

Installation Instructions - Surface Mount

Tools Needed for Installation:
Saw
Hammer or mallet
Hex key (1/8")
Wrench (1/2")
Level
Wrench (1/2")
Level
Wrench (for leveling if necessary)

Recommended Base Materials:
Solid concrete is the best base material for installation. Ask your base contractor which anchor is appropriate for your application to ensure the proper anchors are shipped with your rack. Be sure nothing is underneath the base material for possible damage to setting.

Installation:
1. 30" section was shipped with the rack. Place the rack in the desired location. Use a marker or pencil to outline the holes of the base on the base material. Call the holes in accordance with the specifications shipped with the anchors. Make sure the holes are at least 4" away from any cracks in the base material.

Temporary Reinforced Foundation:
The concrete shall be prepared with a 10% aggregate and a 10% cement content. The top of the concrete anchor can be finished with a 10% aggregate and a 10% cement content. After the concrete is poured, the top of the concrete anchor can be finished with a 10% aggregate and a 10% cement content. When using a special larger aggregate mix, always set and let the concrete cure. The rack shall be set on the concrete base with the proper spacing from each side with the proper reinforcement. DO NOT OVERREINFORCE THE CONCRETE BASE.

DATE: AUGUST 2009
REVISIONS:

CITY OF PORTLAND, MAINE TECHNICAL STANDARDS MANUAL

TRANSPORTATION SYSTEMS AND STREET DESIGN SECTION 1

FIGURE: I-33b

DERO BIKE RACKS

City of Portland Technical Manual Section 1 - Transportation Systems and Street Design Adopted 7/19/10, Rev. 6/17/11, 7/21/11

BIKE HITCH

In-ground Installation Instructions

Tools needed for installation:
Level
Saw
Hammer or mallet
Hex key (1/8")
Wrench (1/2")
Level
Wrench (1/2")
Level
Wrench (for leveling if necessary)

Installing into Existing Sidewalk:
Can be no less than 3" diameter (if recommended) and no less than 4" deep to concrete. Place the rack in the desired location. The rack is level. Fill with Pro-Bond or epoxy grout. Set the rack in place and level. Make sure the rack is level and set in place until the grout has completely set.

Installing into a New Sidewalk:

Stakes Method:
1. Use rack to measure exact location in your base.
2. Insert stakes into your base where you want to set the rack. The stakes are 1/2" diameter and 12" long. The stakes are 1/2" diameter and 12" long. The stakes are 1/2" diameter and 12" long.

Shovel Method:
1. Place concrete resistant sleeve (min. 3" inside diameter) around your base. Make sure sleeve is set in concrete. Make sure sleeve is set in concrete. Make sure sleeve is set in concrete.

INSTALL TIP:
Be sure to level the rack with the ground surface. The rack shall be set on the concrete base with the proper spacing from each side with the proper reinforcement. DO NOT OVERREINFORCE THE CONCRETE BASE.

DATE: AUGUST 2009
REVISIONS:

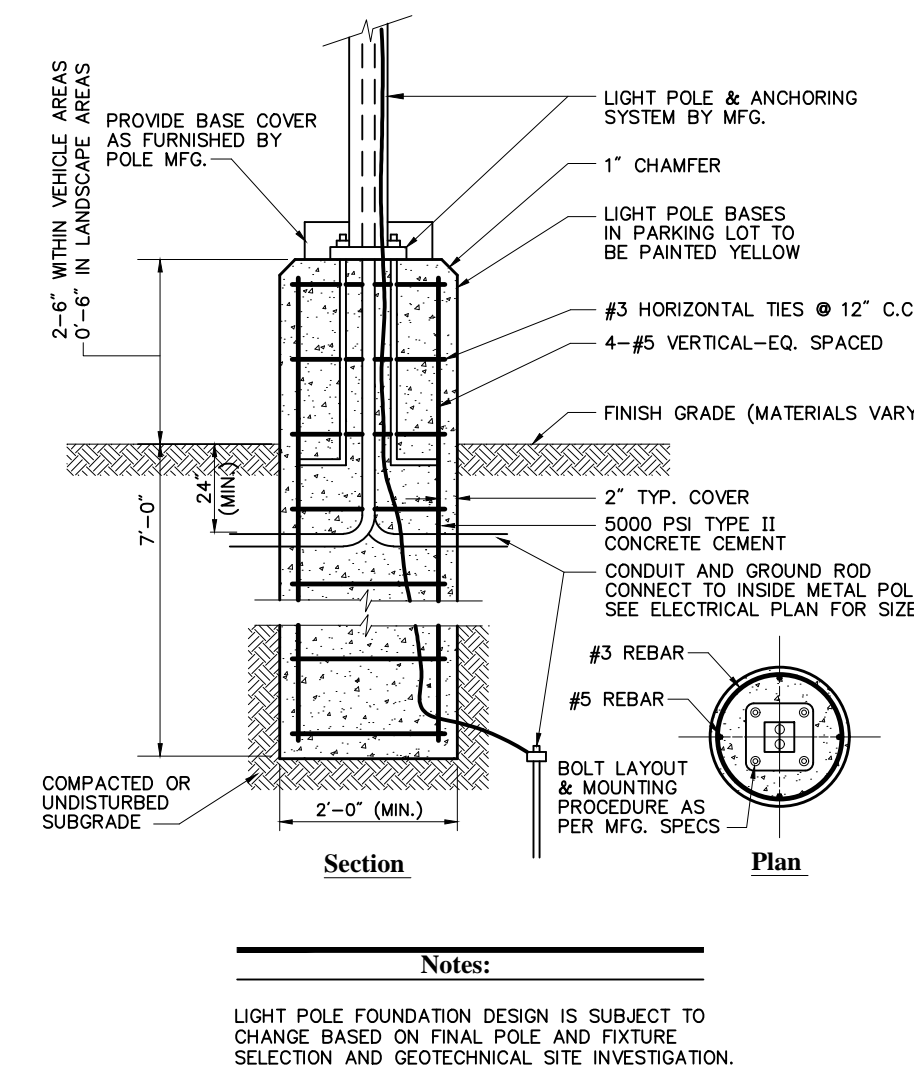
CITY OF PORTLAND, MAINE TECHNICAL STANDARDS MANUAL

TRANSPORTATION SYSTEMS AND STREET DESIGN SECTION 1

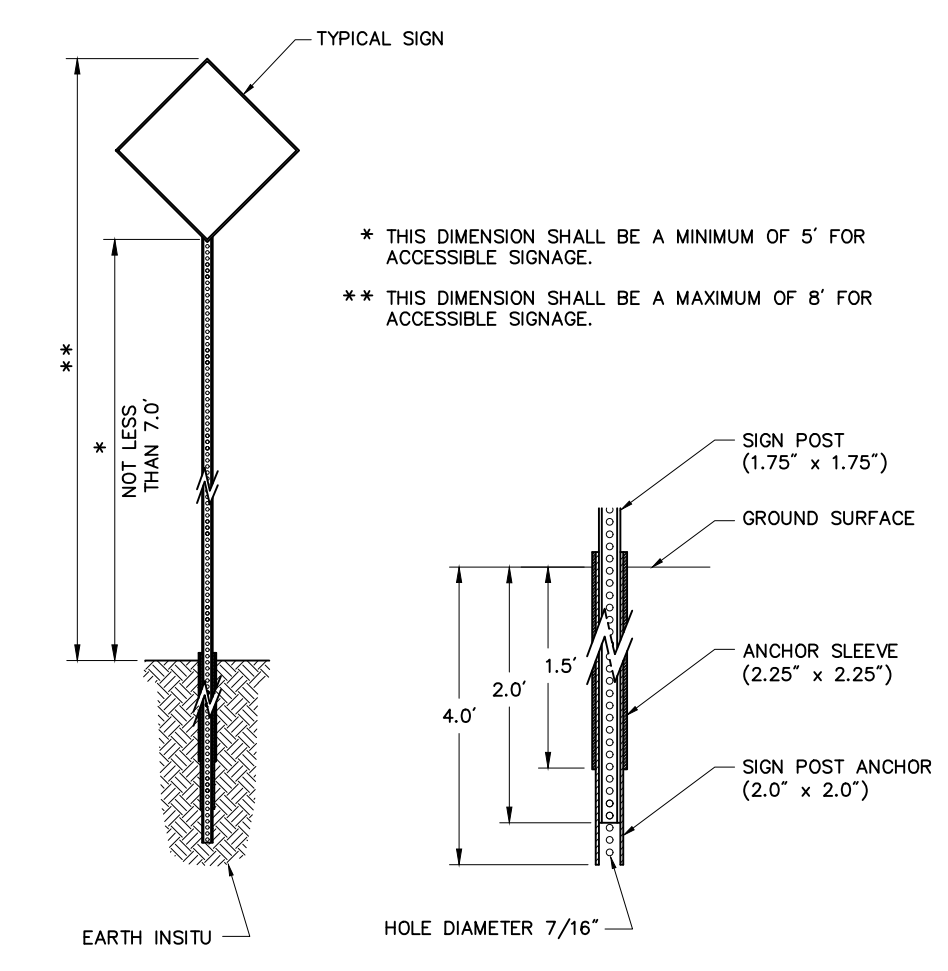
FIGURE: I-33c

DERO BIKE RACKS

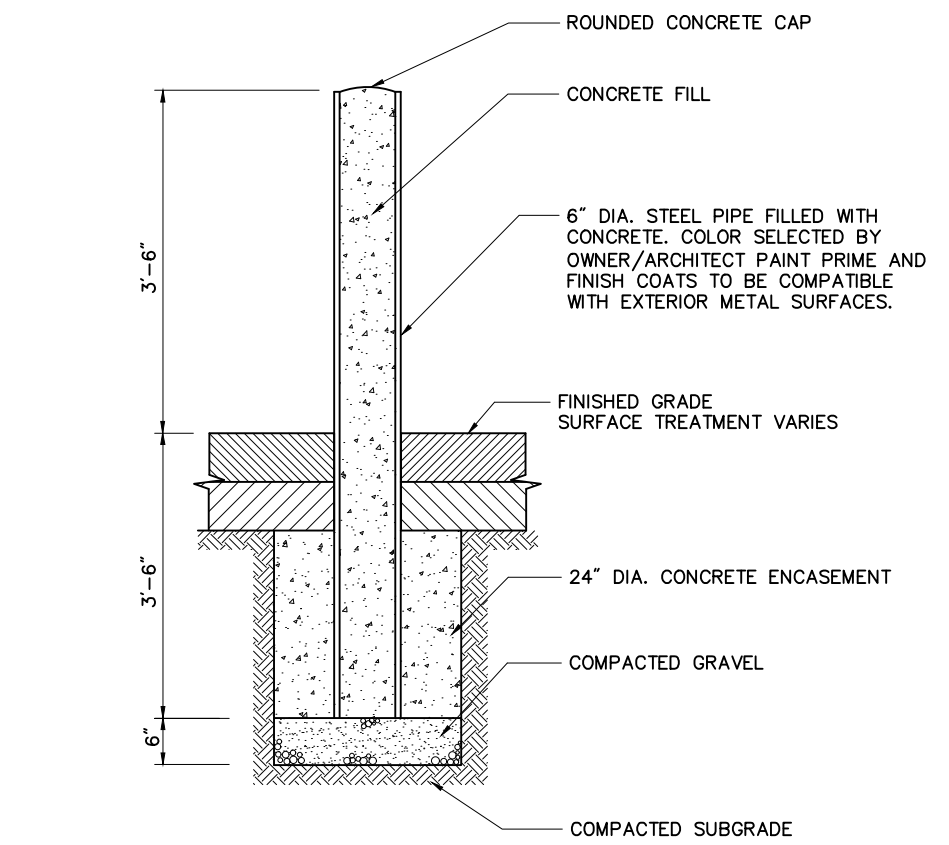
Saved Monday, June 27, 2016 2:47:54 PM WOSINE Plotted Wednesday, July 06, 2016 9:13:43 AM Ohlson, Malia



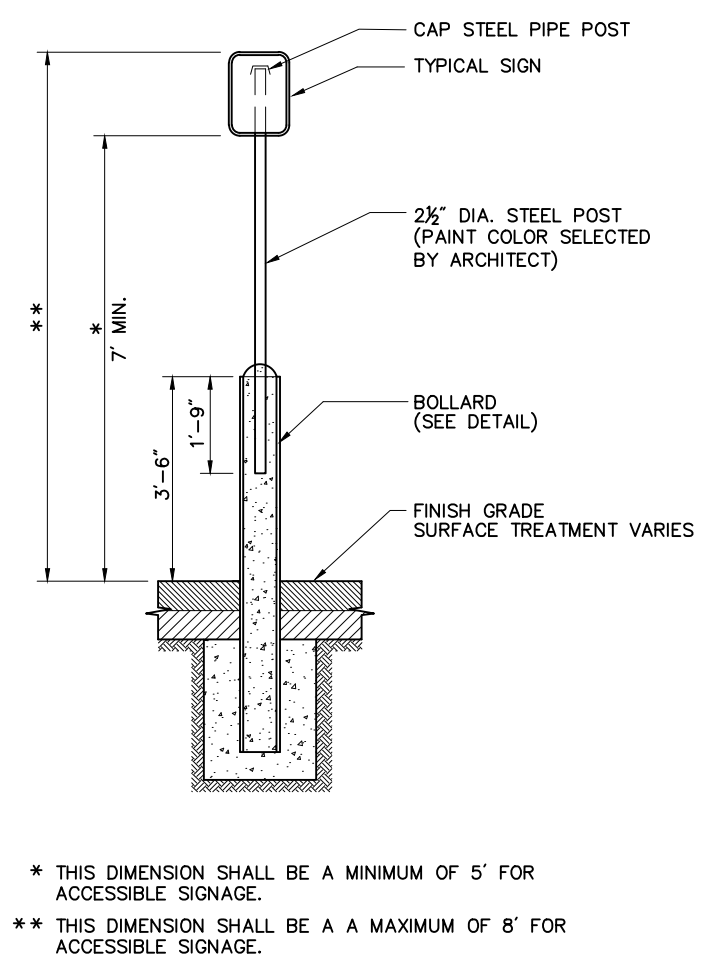
Light Pole Foundation Detail (Up to 40' Pole) 2/11
N.T.S. Source: VHB LD_310



Sign Post - Type 'B' 12/12
N.T.S. Source: VHB LD_702



Bollard 6/08
N.T.S. Source: VHB LD_700



Bollard Mounted Sign 4/12
N.T.S. Source: VHB LD_703

Proposed Taco Bell
1363 Washington Avenue
Portland, Maine

No.	Revision	Date	Appr.
1	RESPONSE TO STAFF COMMENTS	3/2/16	
2	FINAL PERMIT PLANS	5/4/16	
3	ISSUED FOR BUILDING PERMIT	7/6/16	

Designed by: _____ Checked by: _____
Issued for: _____ Date: _____
Construction Jan. 4, 2016



Drawing Number: _____

STATE OF MAINE
DAVID FENSTERMACHER
No. 11913
LICENSED PROFESSIONAL ENGINEER

C-5

Sheet 5 of 6

Project Number: 52387.04