



Public Works & Utilities Department Memorandum

To: Land Development Owners, Engineers, and Contractors

From: Public Works and Utilities

Date: March 21, 2016

Subject: Solid Waste Facilities

The information outlined below includes the minimum design requirements and general considerations for solid waste housekeeping pads and enclosures.

Solid Waste Services and Housekeeping Pads

- Single dumpster pads shall be a minimum of ten feet by ten feet, clear inside fencing, and made of 3,000 psi concrete six inches thick with a six inch by six inch wire mesh or fiber mesh. See drawing SW-1.
- Double dumpster pads shall be a minimum of ten feet by twenty-two feet, clear inside fencing, and made of 3,000 psi concrete six inches thick with a six inch by six inch wire mesh or fiber mesh. See drawing SW-2.
- The City Solid Waste Division provides roll off service to sites within the City of Bradenton (construction debris, recycle materials, miscellaneous debris disposal). Pads shall be a minimum of fifteen feet by thirty feet, clear inside fencing, with a fifteen foot by fifteen foot apron outside the gate. The concrete shall be 3,000 psi and six inches thick with a six inch by six inch wire mesh or fiber mesh. See drawing SW-3 and SW-3A.
- A compactor service is available for condominium, apartment and commercial sites. Contact the Solid Waste Division at 941-708-6340 to coordinate. Pads shall be a minimum of fifteen feet by thirty feet, clear inside fencing, with a fifteen foot by fifteen foot apron outside the gate. The concrete shall be 3,000 psi and six inches thick with a six inch by six inch wire mesh or fiber mesh. See drawing SW-3 and SW-3A.
- Residential household waste is picked up by individual can service as well as recycle materials and yard waste on a weekly basis.

Solid Waste Truck Turning Radius

In preparing site plans that include dumpsters, the turning radius for sanitation front end loading garbage trucks must be taken into account when placing dumpster pad. See drawing SW-4.

- Submitted site plans must clearly depict the truck turning radius to allow for City determination that safe, clear access will be available.

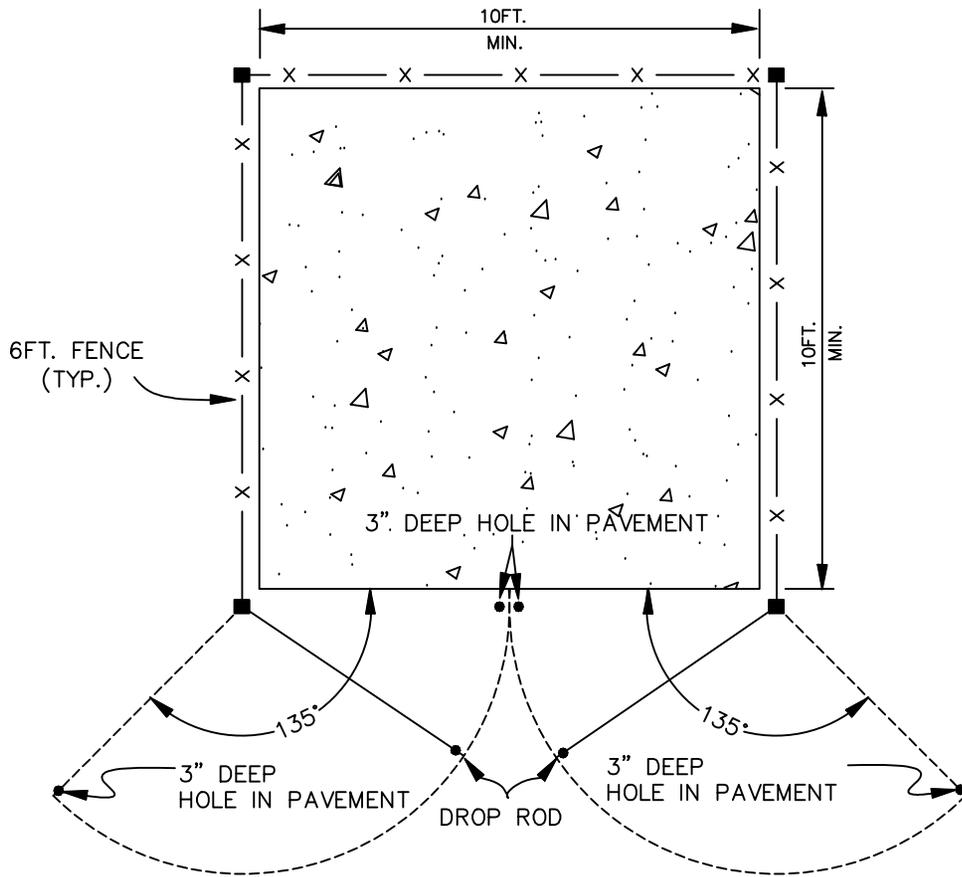
- The front loading trucks require a 35 foot radius on the inside turning radius and 45 foot radius on the outside of the radius.
- The front end loading trucks are 35 feet in length.

Enclosure Requirements

- Dumpster pads must be enclosed with opaque fencing.
- Access gates must comply with the opening requirements and have pins or rods to hold the gates fully open to a position of 135-degrees or closed as shown in the attached construction details. See Drawing SW-5.
- Gate hinges and gates shall not infringe into the required opening for the slab access.
- Gate panels longer than five linear feet must have adjustable wheels to support the gate.

General Considerations

- For Planned Development Projects, City of Bradenton Land Use Regulations, 3.4.1.2.g requires that in addition to solid waste dumpster(s) a 10' x 22' concrete pad for recyclable materials shall be provided.
- While not mandatory for non-planned development project submittals, engineers are encouraged to incorporate recycling infrastructure into their plans.
- For all plans proposing dumpster service, a double dumpster pad is highly recommended to accommodate a container for recycling cardboard as well as the regular garbage container.
- A double dumpster pad will be the minimum requirement for all large complexes, manufacturing facilities as well as restaurants, bars and lounges in order to provide space for a cardboard recycling container.
- Any food service establishment is required to have a sump drain and grease trap associated with the dumpster.
- The City Solid Waste department is available during regular work hours to discuss the service needs for a particular project.
- Should the location for the dumpster pad be an asphalt parking or drive isle, these may be approved without pouring a new slab. City approval is required prior to construction of the solid waste facility.
- The dumpster shall not be within ten-feet of any building without a fire sprinkler suppression system, which requires City of Bradenton Fire Marshal approval.
- No overhead obstacles including but not limited to wires, lighting, roof overhang, or trees shall be in the immediate area surrounding the pad.



NOTES:

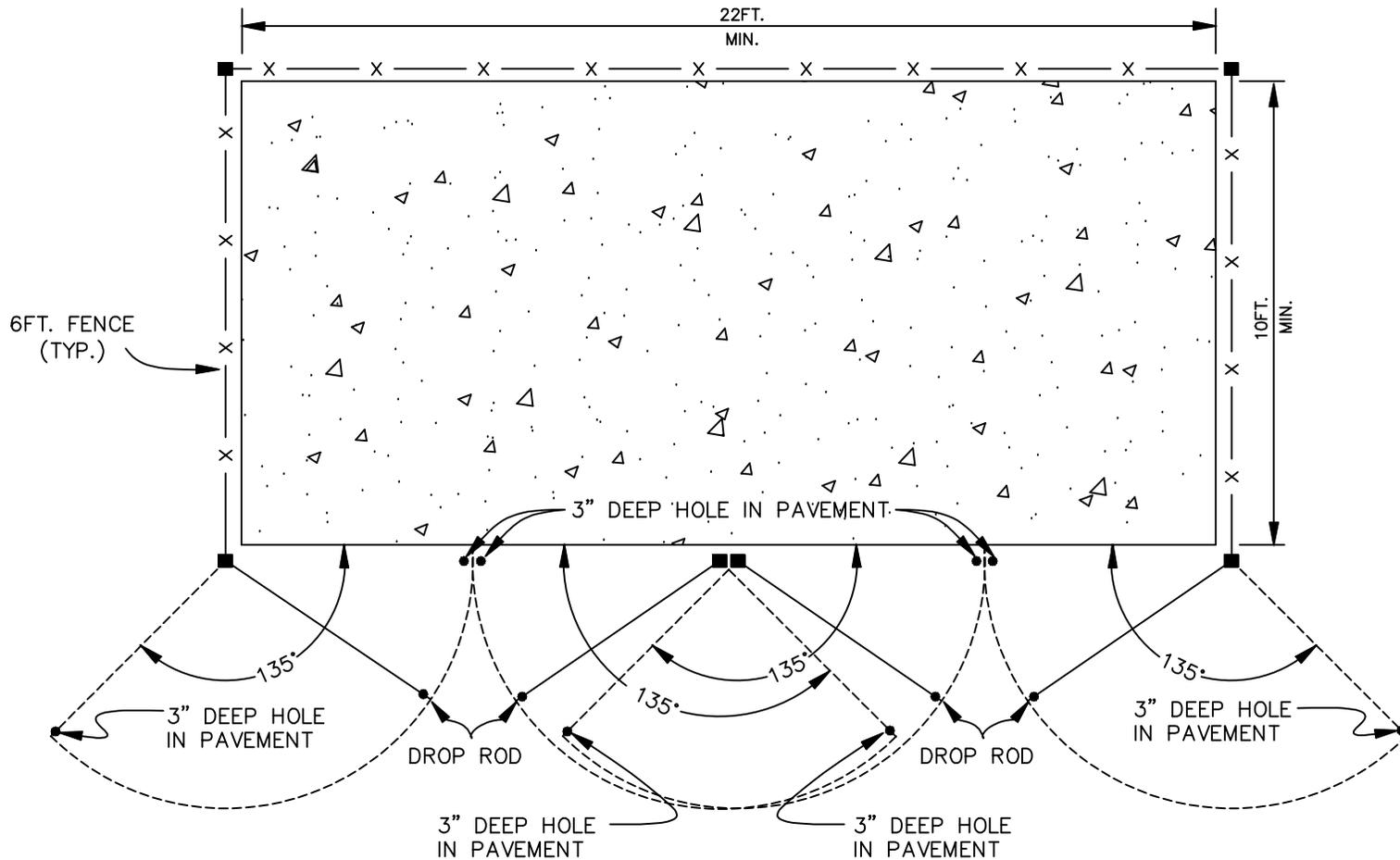
- SLABS SHALL BE A MINIMUM OF 10 FT. BY 10 FT. BY 6 IN. 3,000 p.s.i. CONCRETE, WITH 6"x6" WIRE MESH OR FIBER MESH.
- OPAQUE FENCING REQUIRED.
- CONCRETE PAD WITH SUMP DRAIN AND GREASE TRAP IS REQUIRED FOR ALL FOOD AND BEVERAGE SERVICE ESTABLISHMENTS..
- NO OVERHEAD OBSTACLES ARE PERMISSIBLE IN IMMEDIATE LOADING AREA. (WIRES, LIGHTING, ROOF OVERHANG, TREES etc...)
- THE DUMPSTER SHALL NOT BE LOCATED WITHIN TEN (10) FEET OF ANY BUILDING. IF THE DUMPSTER MUST BE LOCATED WITHIN TEN (10) FEET OF A BUILDING A FIRE SPRINKLER SUPPRESSION SYSTEM IS REQUIRED AND MUST BE APPROVED BY THE FIRE MARSHAL.
- ALL FENCING TO BE LOCATED OUTSIDE OF THE PAD AREA.

REV.	DATE	DESCRIPTION	BY
2	JULY. 2014	HOLE DEPTH/NOTE REMOVED	KBC
1	AUG. 2011	ADDED 10' SEPARATION NOTE	SIBE



CITY OF BRADENTON, FLORIDA
 PUBLIC WORKS AND UTILITIES
 DEPARTMENT OF ENGINEERING

STREETS AND ROADS	DATE
DUMPSTER PAD FOR	2/07
FRONT LOADING DUMPSTER	SHEET NO.
WITH 6 FOOT FENCE	SW-1



NOTES:

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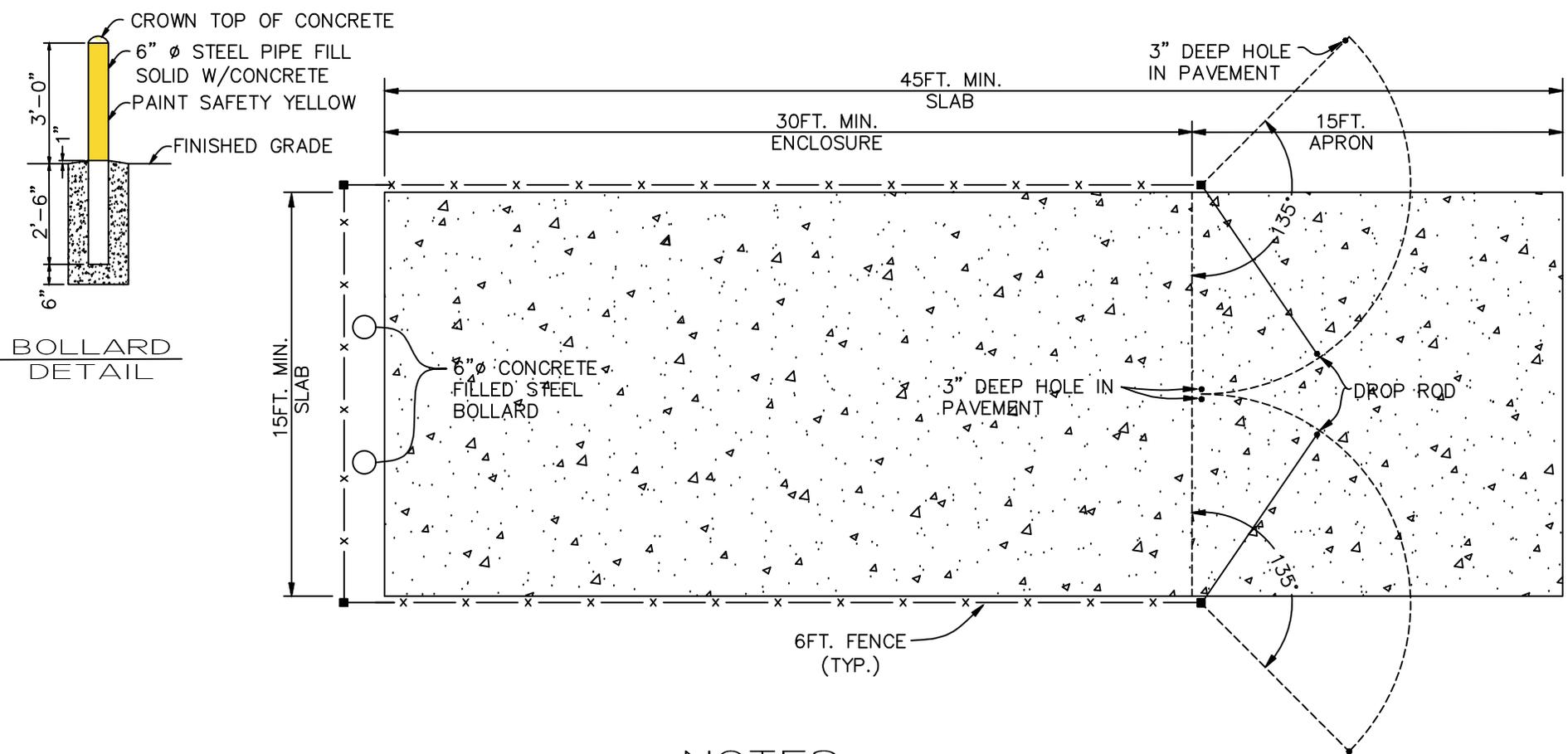
1	JULY, 2014	HOLE DEPTH/NOTE REMOVED	KBC
REV.	DATE	DESCRIPTION	BY



**CITY OF BRADENTON, FLORIDA
PUBLIC WORKS AND UTILITIES
DEPARTMENT OF ENGINEERING**

STREETS AND ROADS	DATE
DOUBLE DUMPSTER PAD	11/11
FRONT LOADING DUMPSTER WITH 6 FOOT FENCE	SHEET NO.

SW-2

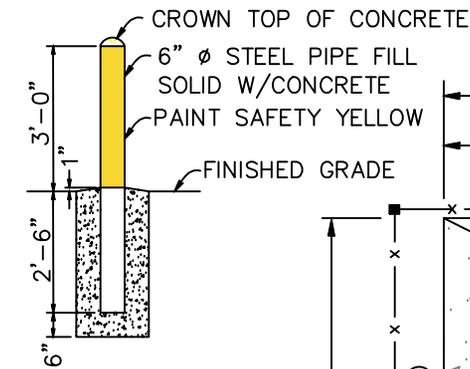


**BOLLARD
DETAIL**

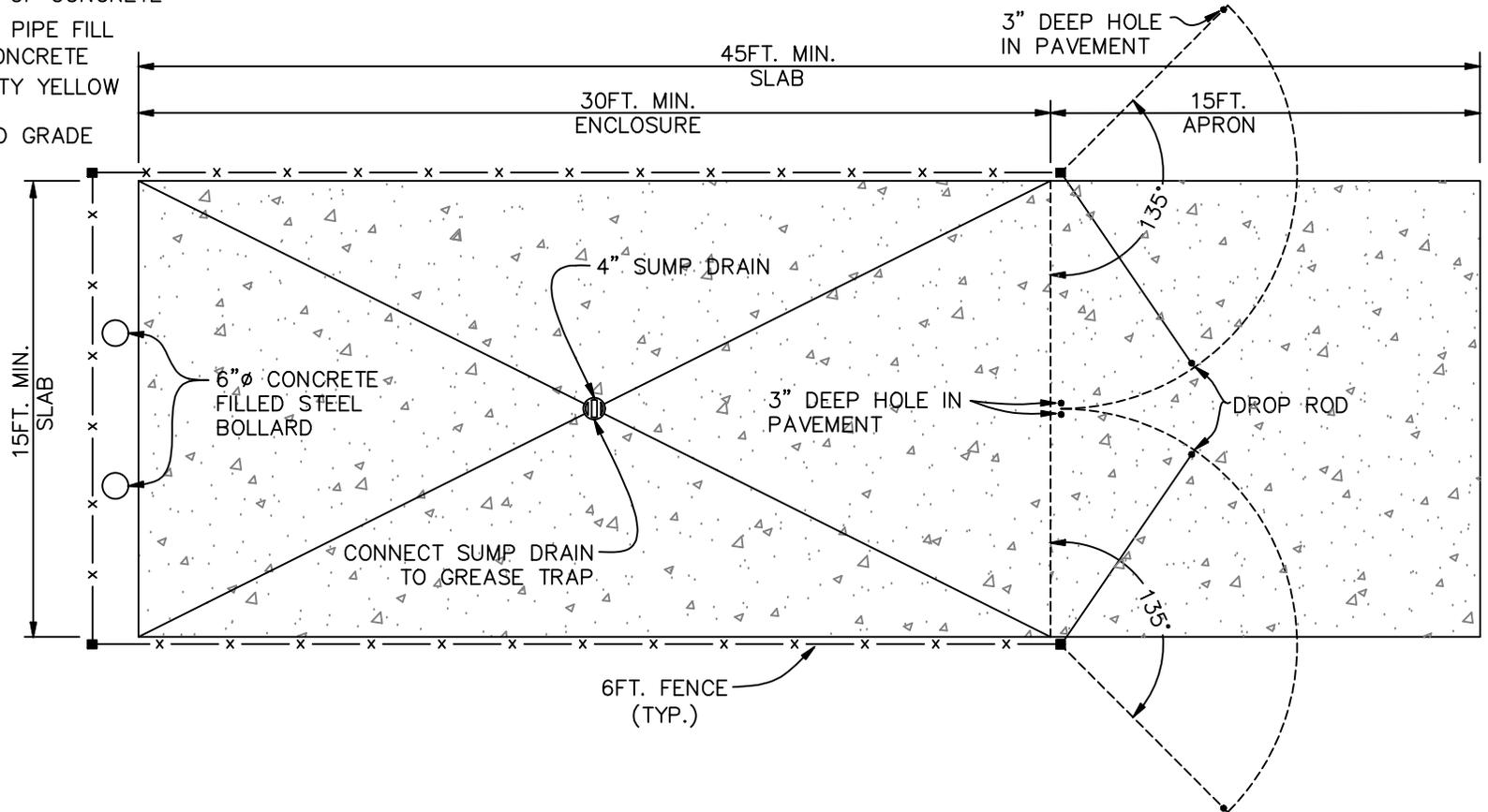
NOTES:

- SLAB SHALL BE A MINIMUM OF 15 FT. BY 45 FT. (30 FT. ENCLOSURE PLUS 15 FT. APRON) BY 6 IN. 3,000 p.s.i. CONCRETE, WITH 6"x6" WIRE MESH OR FIBER MESH.
- OPAQUE FENCING REQUIRED.
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- ALL FENCING TO BE LOCATED OUTSIDE OF THE PAD AREA.

					CITY OF BRADENTON, FLORIDA PUBLIC WORKS AND UTILITIES DEPARTMENT OF ENGINEERING	STREETS AND ROADS	DATE
2	03\2016	EXTENDED APRON	SIBE			ROLL-OFF DUMPSTER OR	09/14
1	JAN\2016	ADDED APRON TO SLAB	SIBE			COMPACTOR PAD	SHEET NO.
REV.	DATE	DESCRIPTION	BY			WITH 6 FOOT FENCE	SW-3



BOLLARD
DETAIL



NOTES:

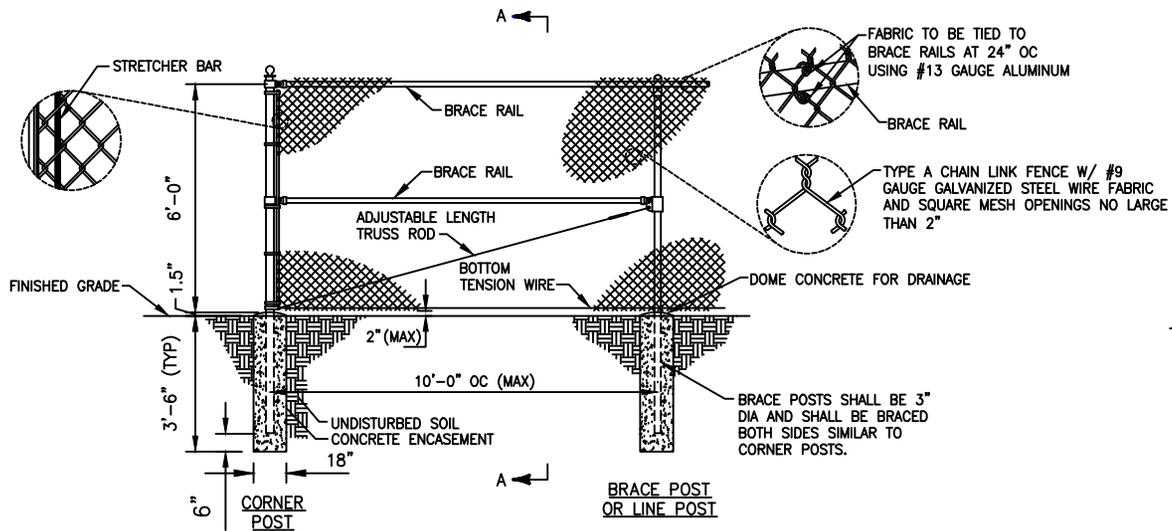
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2	03\2016	EXTENDED APRON	SIBE
1	JAN\2016	ADDED APRON TO SLAB	SIBE

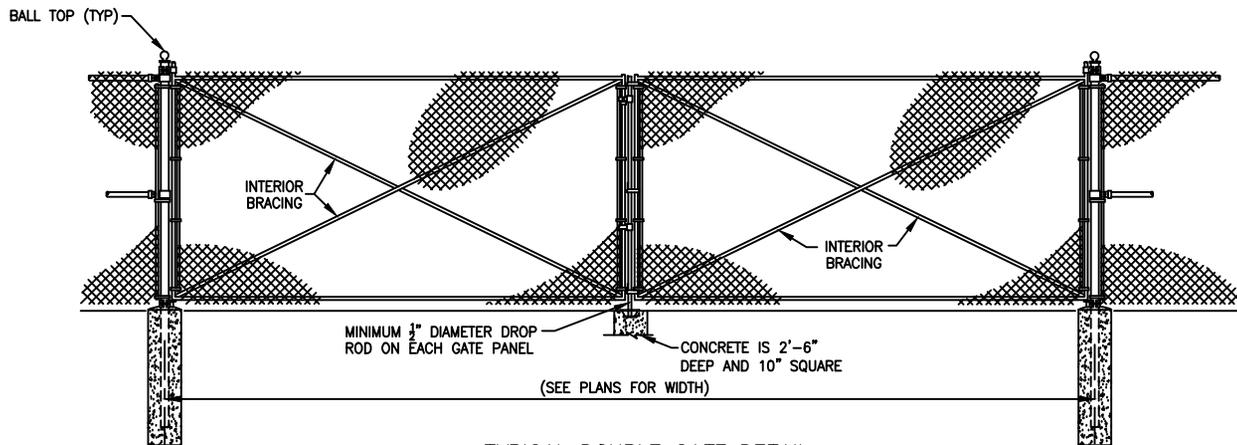


CITY OF BRADENTON, FLORIDA
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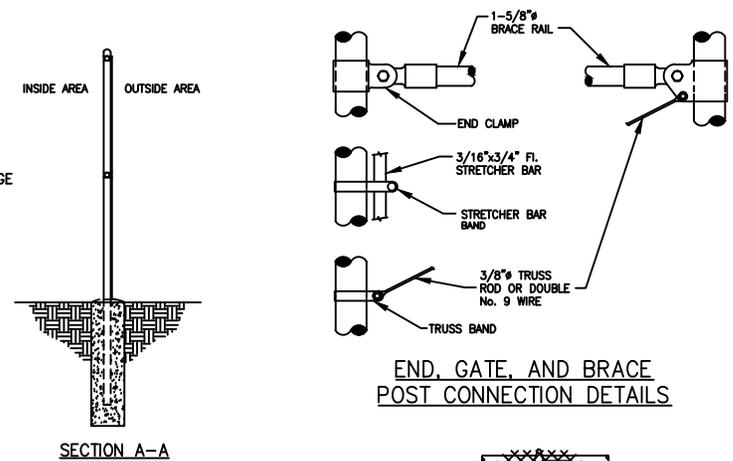
STREETS AND ROADS	DATE
FOOD AND BEVERAGE	09/14
ROLL-OFF DUMPSTER OR COMPACTOR PAD	SHEET NO. SW-3A



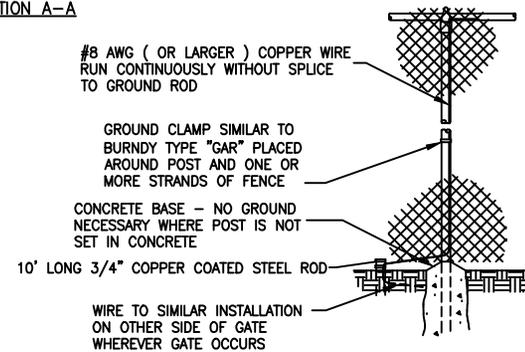
TYPICAL FENCE SECTION



TYPICAL DOUBLE GATE DETAIL



END, GATE, AND BRACE POST CONNECTION DETAILS



GROUNDING DETAIL

NOTES:

1. ALL FENCE SHALL BE GROUNDED AT LEAST EVERY 50'.
2. EVERY FENCE SHALL HAVE AT LEAST ONE GROUND.
3. GROUND SHALL BE INSTALLED AT EVERY POINT WHERE POWER LINE OF 2300 VOLTS OR MORE CROSS FENCE AND AN ADDITIONAL GROUND 150' EACH SIDE OF THAT POINT.
4. GROUND WIRE SHOULD BE TIED TO FENCE POST AT 2' INTERVALS.
5. BONDING WIRE BETWEEN GATE POSTS NEED NOT BE INSTALLED WHERE EXISTING PAVING OR RAILROAD TRACKS WOULD MAKE INSTALLATION IMPRACTICAL.
6. WHEELS ARE REQUIRED ON GATE PANELS LONGER THAN 5 FEET.

1	03/2016	ADDED NOTE 7	SIB
REV.	DATE	DESCRIPTION	BY



CITY OF BRADENTON, FLORIDA
PUBLIC WORKS AND UTILITIES
DEPARTMENT OF ENGINEERING

STREETS AND ROADS

DATE

6/14

TYPICAL FENCE
INSTALLATION

SHEET NO.
SW-5