HIGHLANDS RANCH METROPOLITAN DISTRICT
BOARD MEETING ADDENDUM

December 12, 2016

Addendum documents can also be viewed at
http://highlandsranch.org
or
http://intranet.highlandsranch.org/default.aspx

- Streetlight Monopoles Along Arterials
- Diamond K Playground photo
Streetlight Monopoles Along Arterials

Community Design Standards

December 2016
Streetlight Monopole History

- Original partnership with Xcel to increase potential antenna sites on streetlights within HR
- Commercial sites also available in parking lots and attached to buildings
- Xcel changed policy in 2012 not allowing cell antennas on Xcel streetlight pole
- HRMD revised program to have poles located on adjacent HRMD tracts
Cell Site Management

- Generates over $475,000/year in revenue for major repair fund
Antenna Configuration
Cell Sites On District Properties
2010 Revisions to Pole Diameter

- Existing 18” Dia. X 12 ft. antenna
- New 20” Dia. X 12 ft. antenna shroud
Douglas County Regulations
Stealth Monopole Design

- Currently 18” pole with 20” canister on arterial roadways
- Federal Telecommunications Act Revisions
- Carriers allowed to request 10% increase in height with property owner consent
  - Pole height can be increased to 49.5 ft
  - Pole diameters are not addressed
Pole Diameter Comparison

7.5”

18”

24”
Pole Diameter Comparison

- 24” Continuous Pole
Recommended New Standards

- Maximum 20” diameter pole
- Maximum 24” diameter antenna shroud
- Streetlight remains at 35 ft
- Total pole height not to exceed 50 ft
- Full notification to neighbors adjacent to pole on existing sites
- Resolution to be presented in January