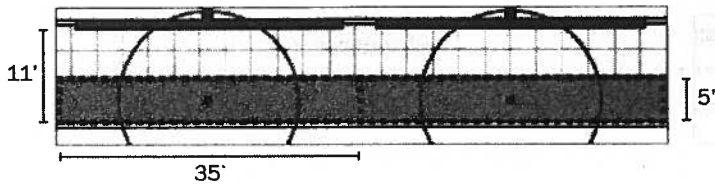
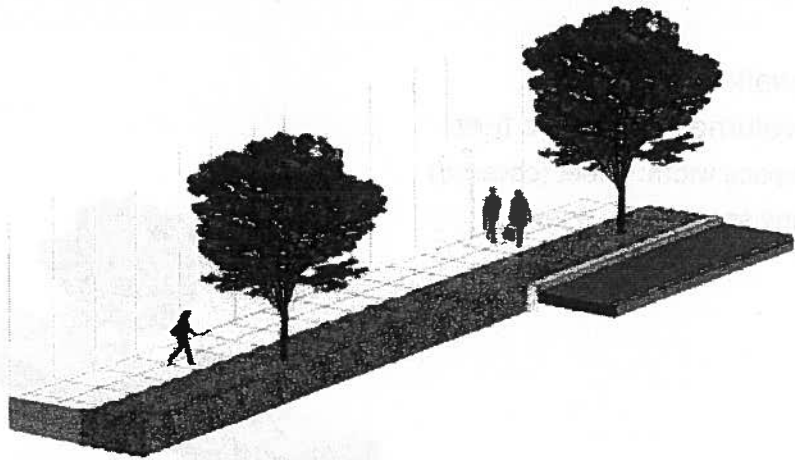


Design Method Example: All Open Soil Area

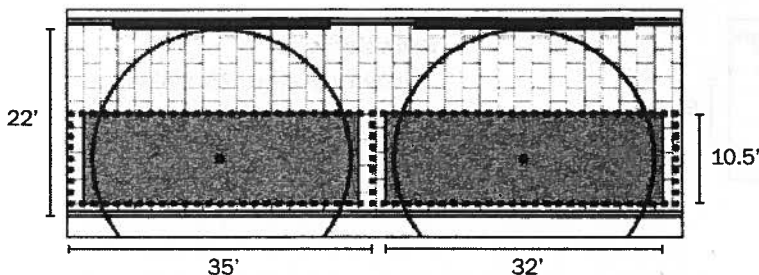
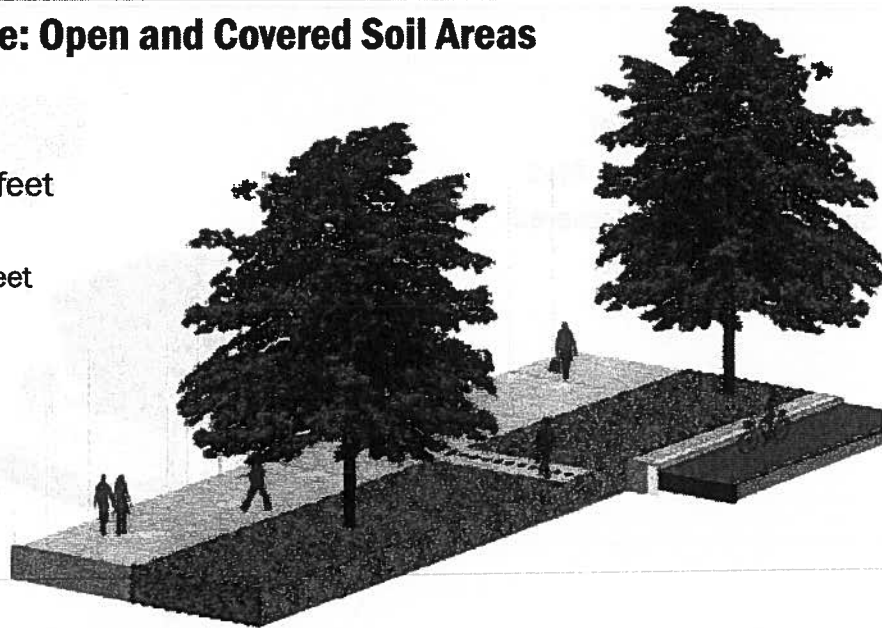
- Sidewalk width: **11** feet
- Soil volume: **500** cubic feet
- Tree space width: **5** feet
- Open soil area: **175** square feet
- Walking space: **6** feet



Soil volume =
Open soil area (35' x 5' x 3')

Design Method Example: Open and Covered Soil Areas

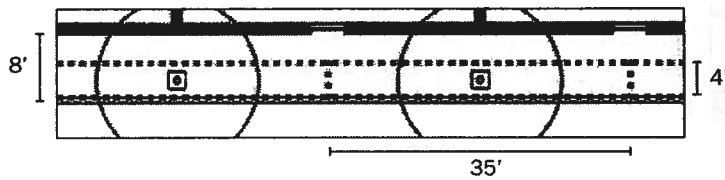
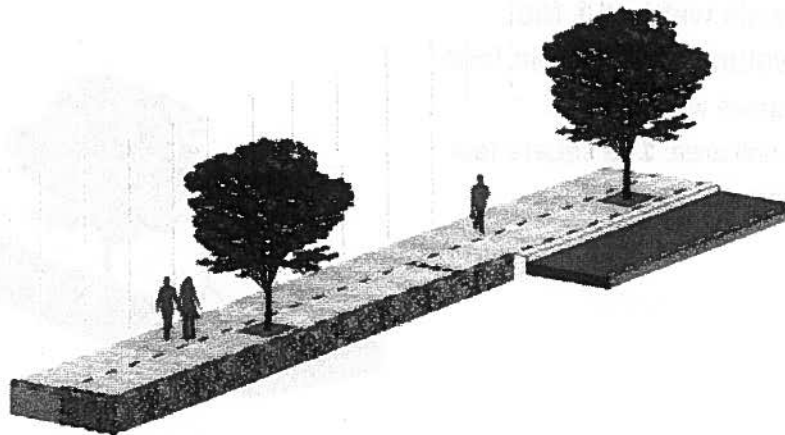
- Sidewalk width: **22** feet
- Soil volume: **1100** cubic feet
- Tree space width: **10½** feet
- Open soil area: **336** square feet
- Walking space: **10** feet
- Curb walk: **1½** feet



Soil volume =
Open soil area (32' x 10.5' x 3') +
Covered soil area (3' x 10.5' x 3')

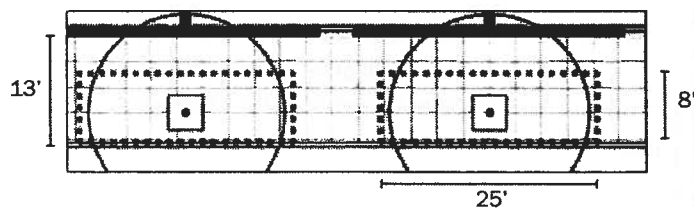
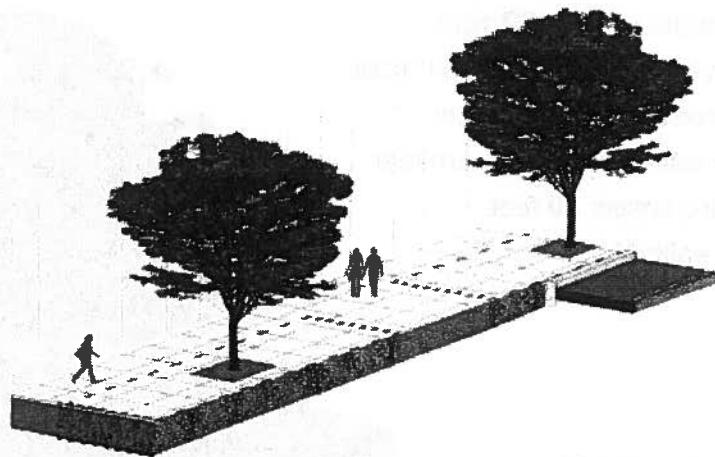
Design Method Examples: All Covered Soil Area

- Sidewalk width: **8** feet
- Soil volume: **400** cubic feet
- Tree space width: **4** feet (covered)
- Walking space: **4½ - 8** feet



Soil volume =
Covered soil area (35' x 4' x 3')

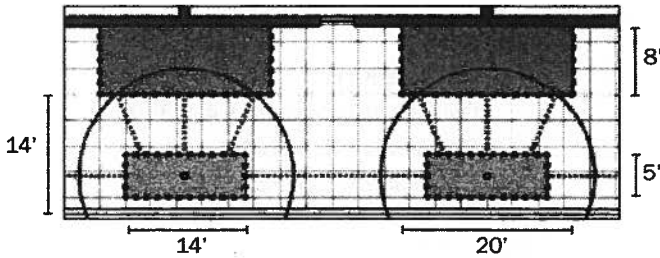
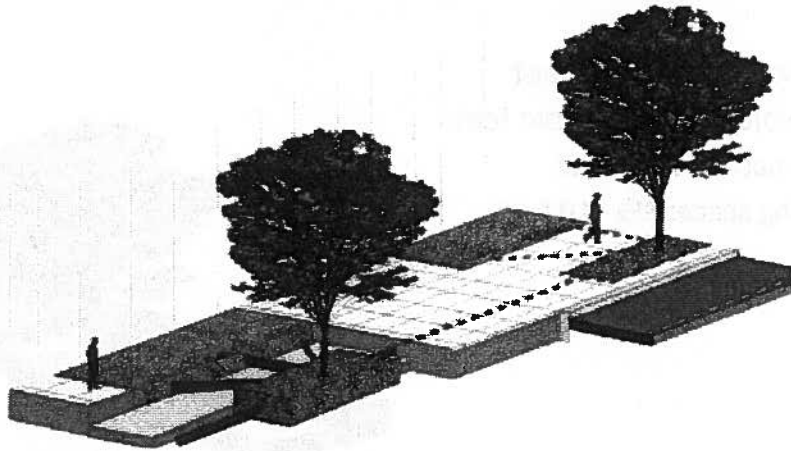
- Sidewalk width: **13** feet
- Soil volume: **600** cubic feet
- Tree space width: **8** feet (covered)
- Walking space: **7 - 13** feet



Soil volume =
Covered soil area (25' x 8' x 3')

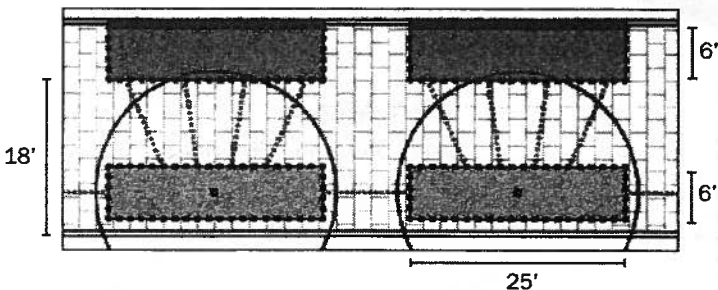
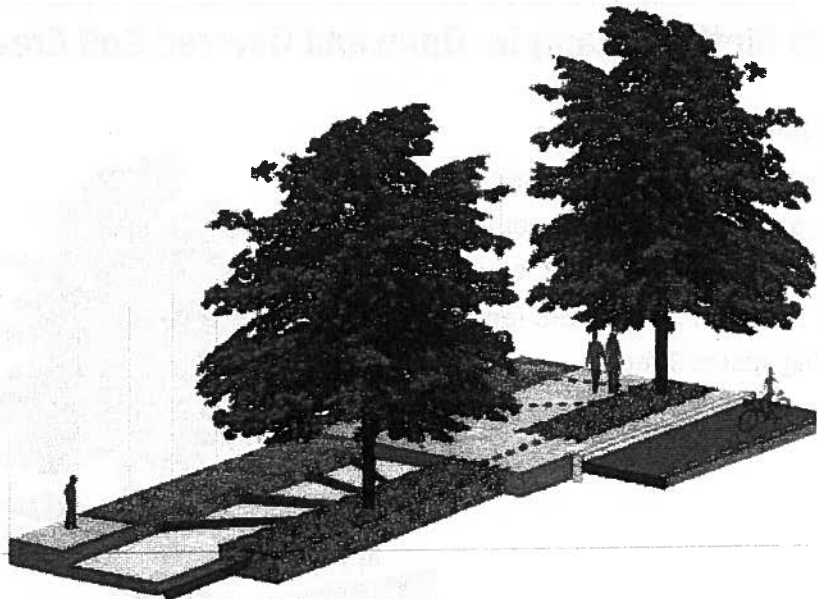
Design Method Examples: Open Soil Area Connected to Green Space

- Sidewalk width: **14** feet
- Soil volume: **700** cubic feet
- Tree space width: **5** feet
- Open soil area: **70** square feet
- Walking space: **7** feet
- Curb walk: **2** feet



Soil volume =
 Open soil area (14' x 5' x 3') +
 Root paths (43' x .25') +
 Green space (20' x 8' x 3')

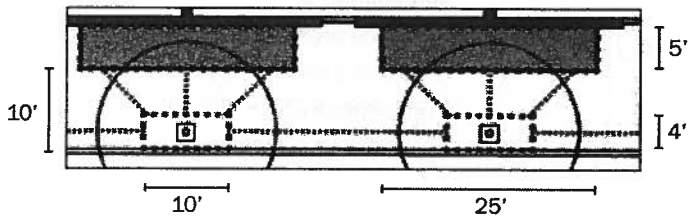
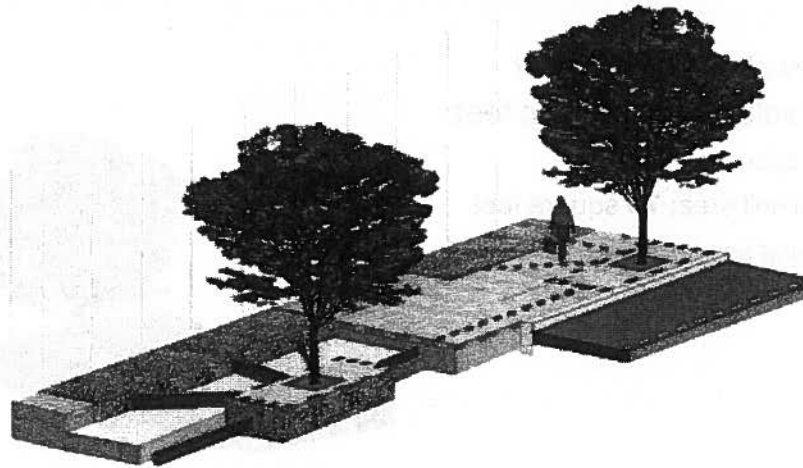
- Sidewalk width: **18** feet
- Soil volume: **900** cubic feet
- Tree space width: **6** feet
- Open soil area: **150** square feet
- Walking space: **10** feet
- Curb walk: **2** feet



Soil volume =
 Open soil area (25' x 6' x 3') +
 Root paths (52' x .25') +
 Green space (25' x 6' x 3')

Design Method Example: Covered Soil Area Connected to Green Space

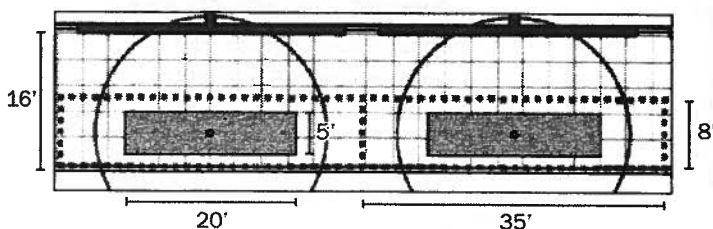
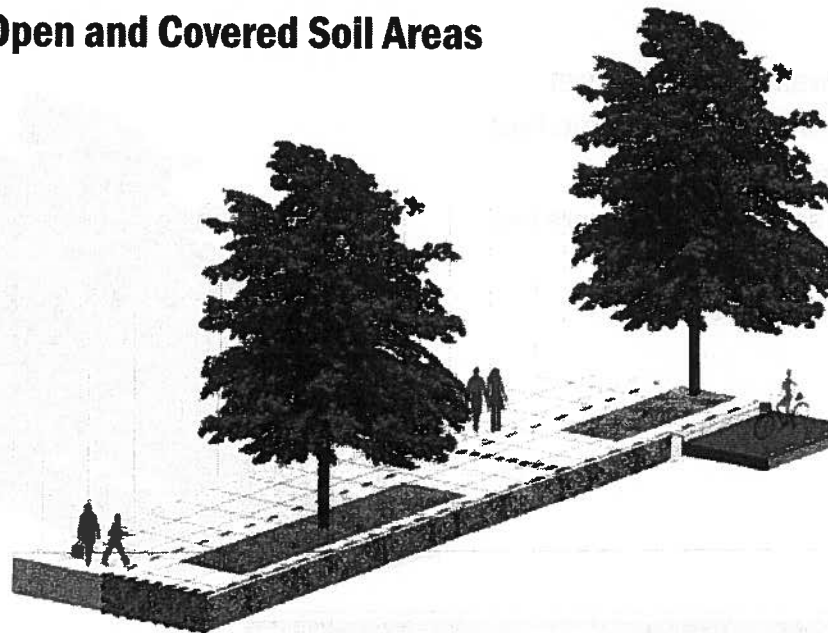
- Sidewalk width: **10** feet
- Soil volume: **500** cubic feet
- Tree space width: **4** feet
- Walking space: **6½ - 10** feet



Soil volume =
 Covered soil area (10' x 4' x 3') +
 Root paths (45' x .25') +
 Green space (25' x 5' x 3')

Design Method Example: Open and Covered Soil Areas

- Sidewalk width: **16** feet
- Soil volume: **800** cubic feet
- Tree space width: **5** feet (open)
8 feet (total)
- Open soil area: **100** square feet
- Walking space: **9** feet
- Curb walk: **2** feet



Soil Volume =
 Total Soil Area (35' x 8' x 3')

Design Method Example: Open and Covered Soil Areas

Sidewalk: **20** feet

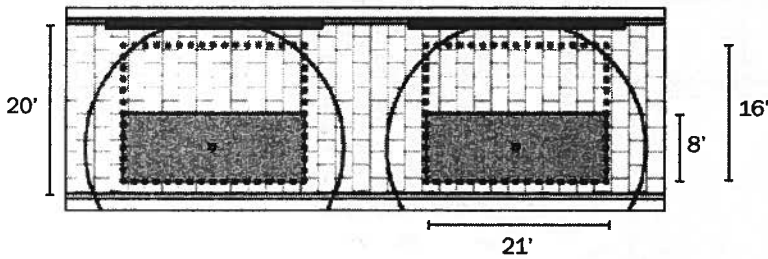
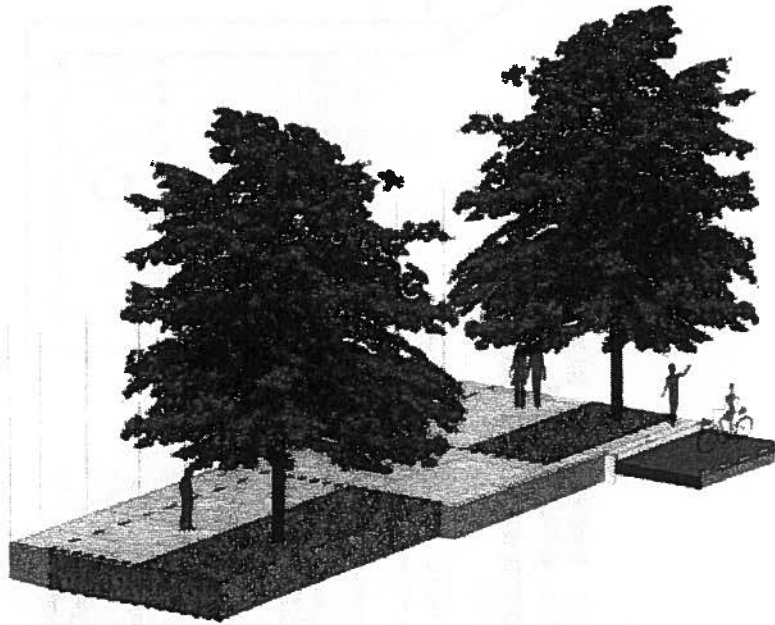
Soil volume: **1000** cubic feet

Tree Space Width: **8** feet (open)
16 feet (total)

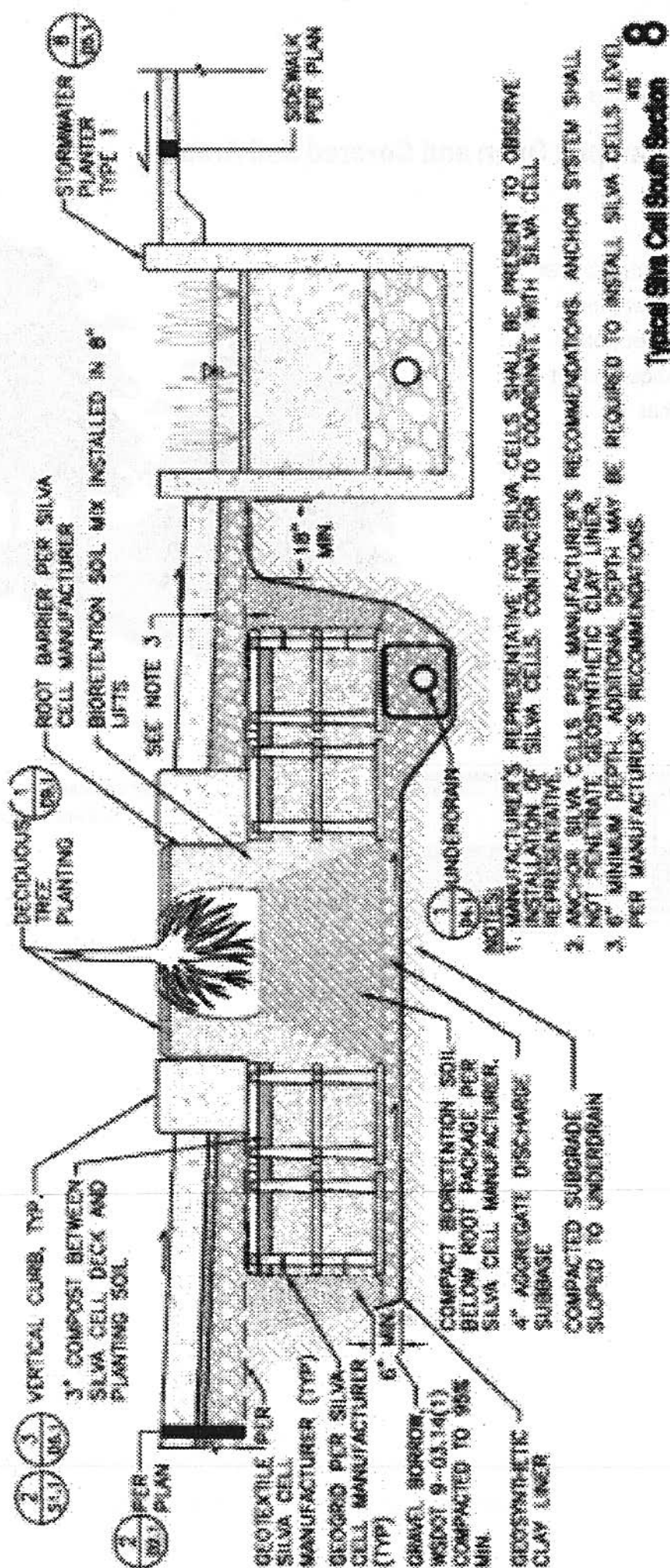
Open Soil Area: **168** square feet

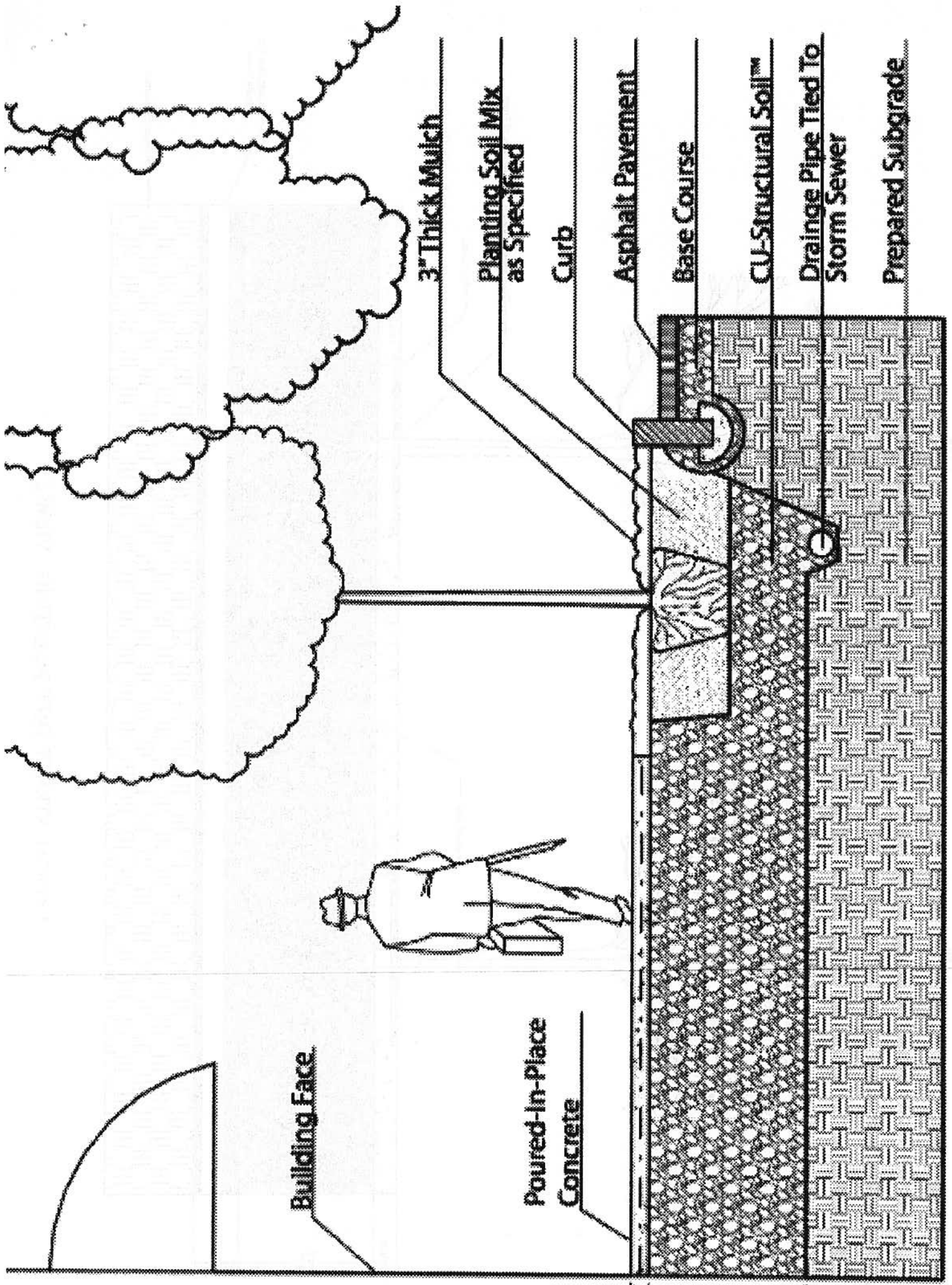
Walking Space: **10** feet

Curb Walk: **2** feet



Soil Volume =
Total Soil Area (21' x 16' x 3')





Building Face

**Poured-In-Place
Concrete**

3" Thick Mulch

**Planting Soil Mix
as Specified**

Curb

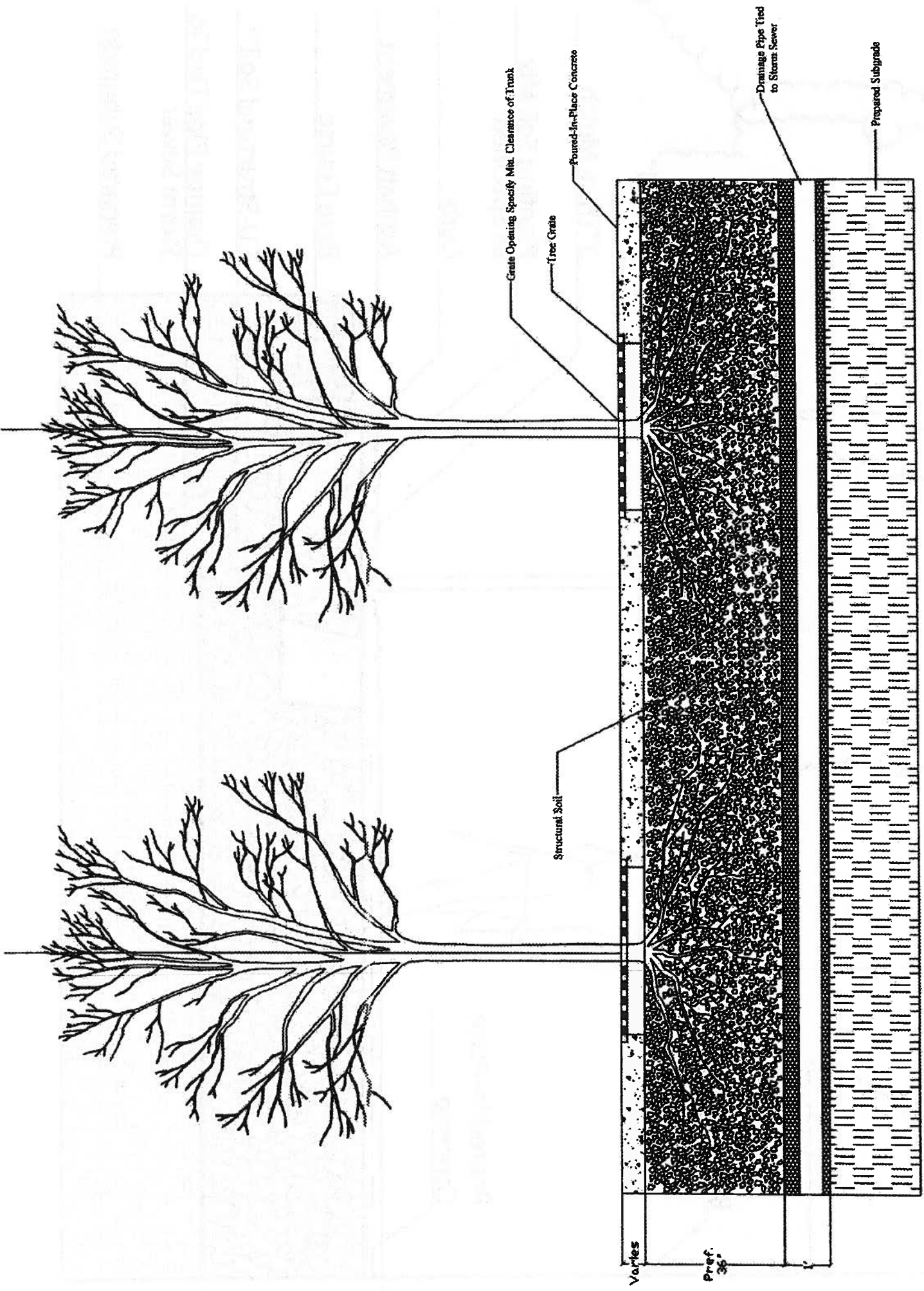
Asphalt Pavement

Base Course

CU-Structural Soil™

**Drainage Pipe Tied To
Storm Sewer**

Prepared Subgrade



TYPICAL STREET TREE PLANTING - VIEW 2

Varies

Prof. 36