<table>
<thead>
<tr>
<th>Title/Description</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry Landscape, Border Details</td>
<td>10-1-1</td>
</tr>
<tr>
<td>Dry Landscape, Controlled Area Detail</td>
<td>10-2-1</td>
</tr>
<tr>
<td>Ground Slope, Fill and Horizontal Clearance Requirements for Pad Mounted Equipment</td>
<td>10-3-1</td>
</tr>
<tr>
<td>Erosion Prevention Method, Enclosures Installed on Slopes</td>
<td>10-4-1</td>
</tr>
<tr>
<td>Erosion Prevention Methods, Pre-manufactured Wall</td>
<td>10-5-1</td>
</tr>
<tr>
<td>Conduit Installation Near Trees</td>
<td>10-6-1</td>
</tr>
</tbody>
</table>
1. Elevation of landscape curb to match sidewalk or top of street curb.

2. All concrete curb work shall be done in accordance with MAG section 340.

3. Curb ing of other material or design is allowed with the approval of the home builder management center engineer or construction specialist.

Detail A:
- Subgrade level
- 1/2" R.
- 3"
- Decorative ground cover
- 10" native soil
- #3 rebar
- Note 4
- Native soil

Detail B:
- 1/2" expansion joint
- 1/2" R.
- Native soil
- Sidewalk or street curb

Pad or pads

Landscape curb (see detail "A" and "B" above)

Dry landscape area

Side walk

Underground Distribution Construction Standards

REV: CHANGED PAGE NUMBER

ISSUE DATE: 02/16/02

REV. DATE: 06/02/12

APPROVAL: B. PRIEST

LANDSCAPING
DRY-LANDSCAPE
BORDER DETAILS

10-1-1

8013E321.DGN
NOTES:

1. EASEMENT GRANTOR SHALL MAINTAIN A CLEAR AREA THAT EXTENDS 3 FEET FROM AND AROUND ALL EDGES OF ALL TRANSFORMER PADS AND OTHER EQUIPMENT PADS AND A CLEAR OPERATIONAL AREA THAT EXTENDS 12 FEET IMMEDIATELY IN FRONT OF ALL TRANSFORMER AND OTHER EQUIPMENT OPENINGS. NO OBSTRUCTION, TREES, SHRUBS, FIXTURES OR PERMANENT STRUCTURES SHALL BE PLACED WITHIN SAID AREAS.

2. AREA TO BE DRY LANDSCAPED.

3. SPRINKLER HEADS SHALL BE DIRECTED AWAY FROM PAD MOUNTED EQUIPMENT, AS SHOWN ABOVE. SPRINKLER HEADS SHALL NOT SPRAY ON PAD MOUNTED EQUIPMENT OR DRY LANDSCAPED AREA AROUND EQUIPMENT.

4. DRY LANDSCAPE SURFACE MAY BE CRUSHED GRANITE OR GRAVEL WITH A MAXIMUM PARTICLE SIZE NO GREATER THAN 1", NATIVE SOIL, CONCRETE OR ASPHALT PAVEMENT.

5. SEE Pg. 10-1-1 FOR LANDSCAPE BORDER IF REQUIRED.
NOTES:

1. Review geotechnical report of area for proper compaction of fill or soil below electrical equipment pads. Fill shall be native compacted fill. All fill material shall be in compliance with the geotechnical report. See trenching, soil types, backfill material and compaction requirements.

2. The maximum slope per SRP requirements is 3 horizontal to 1 vertical. If 3 horizontal to 1 vertical slope is exceeded, submit a set of engineered calculations showing a slope stability analysis or a retaining wall design to policies, procedures and standards for approval.

Underground Distribution Construction Standards
LANDSCAPING
GROUND SLOPE, FILL AND HORIZONTAL CLEARANCE REQUIREMENTS
FOR PAD MOUNTED EQUIPMENT

REV. REFORMAT
ISSUE DATE: 04/18/02
REV. DATE: 04/18/10
APPROVAL: B. PRIEST

PROPRIETARY MATERIAL
1. When it becomes necessary to notch out or fill a slope to install an enclosure, the cleared area should be of
sufficient size to accommodate the enclosure and shorings. Slope in front of enclosure shall not be greater than
30" in 12 feet.

All grading is to be done by Developer.

2. Area under and behind pad must be level and compacted to 95% density (See trench on page 6-9-2).

3. A back retaining wall is required when the change in ground elevation is 12 inches or more at any point
18 inches or less behind the pad.

4. A side retaining wall is required when the change in the ground elevation is 18" or more at any point 18 inches
or less behind the pad.

5. A side retaining wall is required when the change in ground elevation is 12" or more at any point 18 inches or less
to the side of the pad.

6. A front retaining wall is required when the change in ground elevation is 12" or more at any point 12 feet
or less in front of the pad.

7. This dimension may be reduced to 4 feet if measured from a street curb.

8. Developer shall install guardrail per the authority having jurisdiction.

9. 3 foot minimum on all equipment except single phase transformers. On single phase transformers 18 inch minimum
allowed for fire and retention walls.
NOTES:

1. WHEN IT BECOMES NECESSARY TO NOTCH-OUT OR FILL A SLOPE TO INSTALL AN ENCLOSURE, THE CLEARED AREA SHOULD BE OF SUFFICIENT SIZE TO ACCOMMODATE THE ENCLOSURE AND SHORINGS. SLOPE IN FRONT OF ENCLOSURE SHALL NOT BE GREATER THAN 30 INCHES IN 12 FEET.

2. AREA UNDER AND BEHIND PAD MUST BE LEVEL AND COMPACTED, PER TRENCH SPECIFICATION NOTES IN TRENCHING SECTION.

3. A WALL IS REQUIRED IF THIS DIMENSION IS 12" OR MORE.

4. PACK SOIL AROUND WALL TO SURROUNDING GRADE TO HOLD WALL IN PLACE.

5. PACK SOIL BETWEEN WALL AND PAD TO ONE HALF PAD LEVEL.

6. REMOVE ALL SOIL FROM SURFACE OF PAD.

7. IF ASSISTANCE IS REQUIRED, CONTACT ELECTRIC SYSTEM ENGINEERING.

8. THIS DIMENSION MAY BE REDUCED TO 4 FEET IF MEASURED FROM A STREET CURB.

9. SEE ALSO ELECTRICAL CLEARANCE STANDARDS BOOK.

10. THIS WALL FOR 1Ø PADS ONLY.

11. TOP OF PAD SHALL BE 4" MINIMUM ABOVE SURROUNDING FINISH GRADE AND AT SUFFICIENT ELEVATION TO PREVENT FLOODING.
Conduit Installation Near Trees

1. When possible, keep bores adjacent to trees at the minimum dimensions shown below:

2. When possible, keep open cuts at least as far away from trees as shown below:

General Guidelines:


B. Any root 2" or larger that is accidentally cut shall be sawed clean through an undamaged portion of the root. Make cuts flush with the side of the trench closest to the tree.

C. Moisten clean soil to be placed back into the trench. Backfill as soon as possible to prevent root drying. Tamp soil to its original firmness, but do not compact. Water backfill after placement.

D. Do not drive equipment or vehicles under trees or within the drip line. If needed, protect tree trunk from scraping or gouging by equipment with fencing, wood slats or other methods.