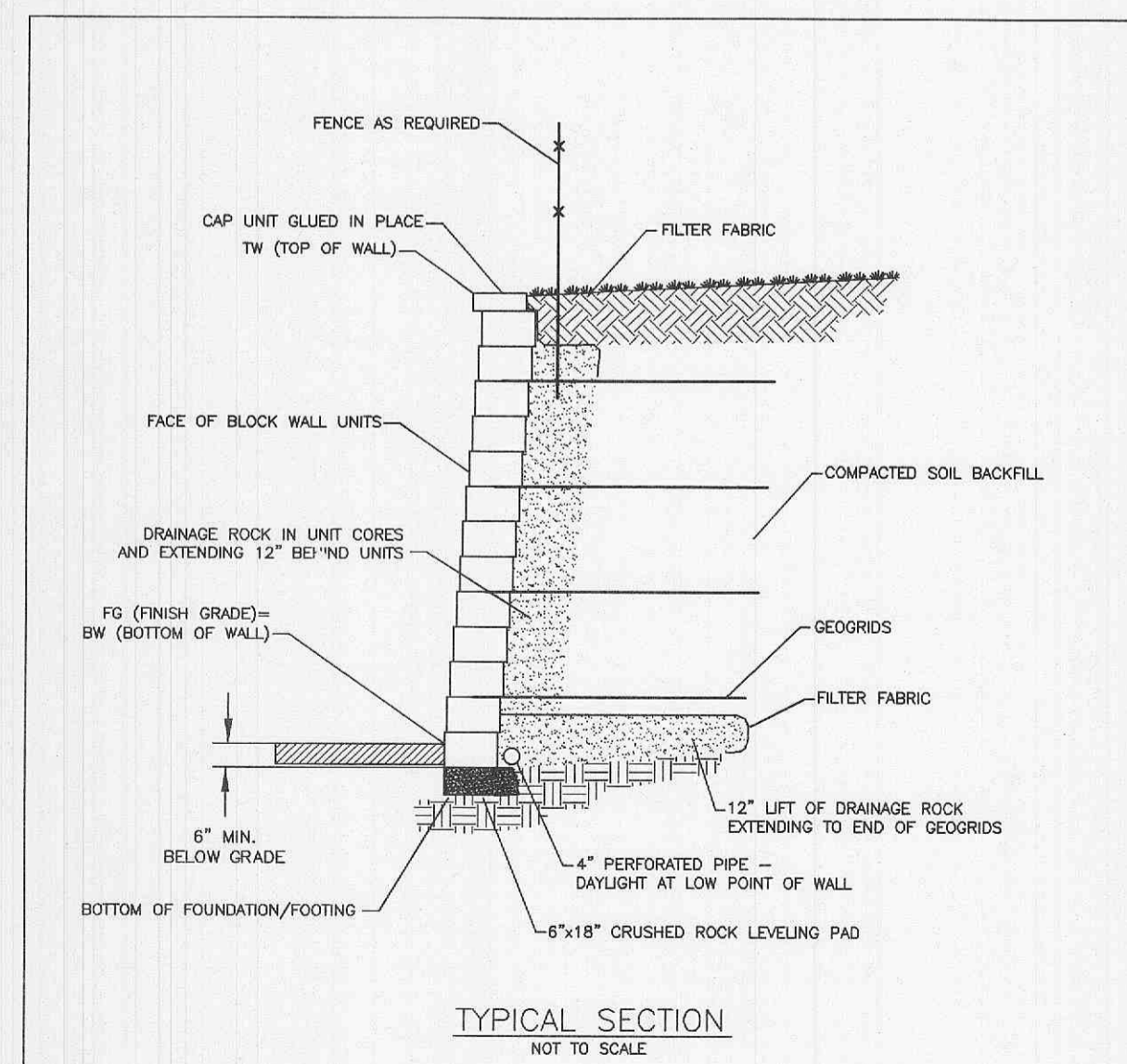
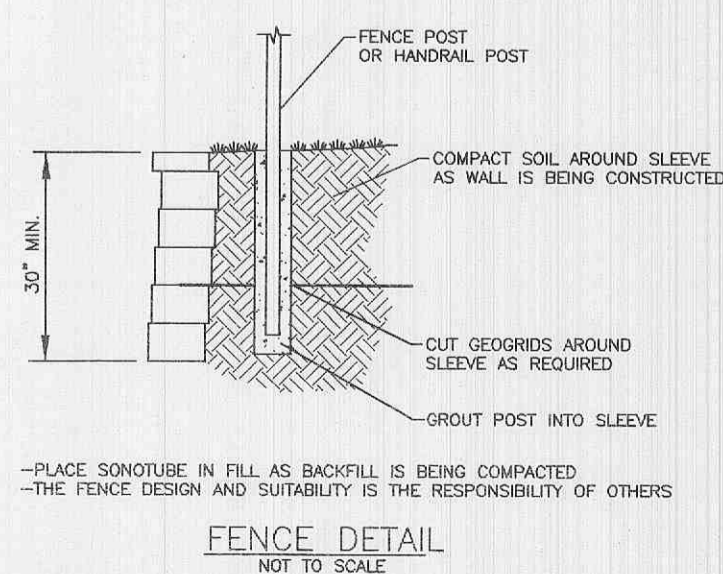


**RETAINING WALL NOTES:**

- 1.) ALL CONSTRUCTION SHALL BE PER THE MANUFACTURERS RECOMMENDATION. GLOBAL & FOUNDATION STABILITY SHALL BE VERIFIED BY PROJECT GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION. FOOTING & COMPACTION TESTING SHALL BE PERFORMED BY PROJECT GEOTECHNICAL ENGINEER.
- 2.) SHOP DRAWINGS BEARING THE SEAL OF A REGISTERED ENGINEER IN THE STATE OF MISSOURI TO BE SUPPLIED TO THIS ENGINEER FOR APPROVAL.
- 3.) VERIFY ALTERNATE WALL SYSTEMS WITH ARCHITECT: KEYSTONE, ROCKWOOD.
- 4.) ALL WALLS OVER 4 FOOT TALL WILL REQUIRE 4 FOOT FENCE ON TOP. (FENCE DESIGN BY ARCHITECT). WALL DESIGNER SHALL VERIFY GUARDRAIL/HANDRAIL/FENCE REQUIREMENTS PER APPLICABLE BUILDING CODES.
- 5.) DETAILS COURTESY OF "ASPEN CONSULTANTS, 12/05/2003, 636-349-2225". MODIFIED BY STOCK AND ASSOCIATES.



<b>ASPEN CONSULTANTS</b> 283 Northwest Blvd., Fairfax, MO 63033 Phone: (636) 349-2225 Fax: (636) 349-2230	<b>STOCK &amp; ASSOCIATES</b> Location BLOCK WALL DETAILS Date: 12-1-2005 Sheet: 1 of 3
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<b>ASPEN CONSULTANTS</b> 283 Northwest Blvd., Fairfax, MO 63033 Phone: (636) 349-2225 Fax: (636) 349-2230	<b>STOCK &amp; ASSOCIATES</b> Location BLOCK WALL DETAILS Date: 12-1-2005 Sheet: 1 of 3
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NEW 7-24-03, 12-1-03, 5-14-04, 7-1-04 REVISIONS

**ADA BRICK PAVERS FOR NEW CONSTRUCTION**

- 1) Do not scale drawings, follow dimensions.
- 2) The pavers shall be designed to meet accessibility guidelines for the American Disabilities Act for Detectable Warning (Paragraph 4.29) and Loading Ramps (Paragraph 4.7).
- 3) Clay brick pavers shall be manufactured by Whitacre Greer or County approved equivalent. Follow manufacturer's installation instructions.
- 4) Pavers may be chamfered and lugged or square edge without lugs. Finished may be smooth or textured.
- 5) PAVING BRICK IN PEDESTRIAN/LIGHT TRAFFIC AREA
  - a) True 4" x 8" x 2-1/4", as per ASTM C 922-98 Class SX, Type 1, Application PS, 8000 minimum PSI, 8% maximum average absorption.
  - b) Slip resistance shall be tested in accordance with ASTM C 1028-98, standard test method for determining the static coefficient of friction of ceramic tile and other like surfaces by horizontal dynamometer pull-meter test. Minimum static coefficient of friction shall be .50 wet and .70 dry.
- 6) PAVING BRICK FOR HEAVY VEHICULAR TRAFFIC
  - a) True 4" x 8" x 3" as per ASTM C 1272-95, Type F, Application PX, 10,000-PSI minimum, average compressive strength, maximum absorption.
  - b) Slip resistance same as LIGHT TRAFFIC.
- 7) Color and texture to be approved by Saint Louis County Department of Highways and Traffic. (Brick Red)
- 8) ALLOWABLE TOLERANCES
  - a) Joint widths to be no greater than 5/32 of an inch and not less than 1/16 of an inch.
  - b) Pavers shall not be directly touching each other unless they have spacing bars.
- 9) JOINT TREATMENTS
  - a) Sweep dry sand or dry sand and cement into joints after pavers have been set in place until joints are flush with top surface. Fog lightly with water. Repeat process until joints are full.
  - b) LEVELING  
Protect newly laid pavers with plywood or carpeting as work progresses. If additional leveling is required, you must protect the surface to avoid chipping.

NOTE: TRUNCATED DOME DETECTABLE WARNING MATS ARE ONLY FOR RETROFITTING PURPOSES. ADA BRICK PAVERS ARE REQUIRED FOR ALL NEW CONSTRUCTION.

**BRICK PAVERS TYPICAL SECTION**

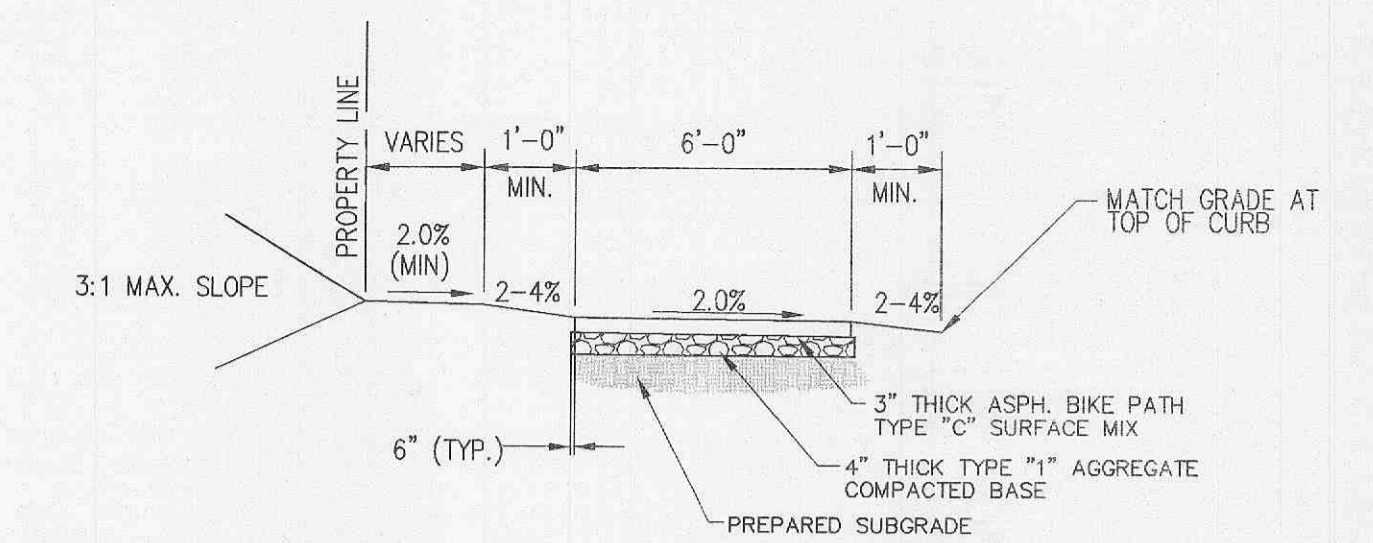
4" x 8" ADA Ramp  
Detectable Warning Brick Pavers  
4" Min. Sidewalk  
12:1 Max. Ramp  
Slope 0.02'/ft.  
3:1 Max.  
4" Concrete Sidewalk  
1/2" Premolded Expansion Joint Filler with Joint Sealer  
3/4" Type "X" Bituminous Concrete Base  
7" P.C. Concrete (Non-Reinforced)  
4" Type 5 Aggregate Subbase  
Prepared Subgrade

**TRUNCATED DOME BRICK PAVERS FOR NEW CONSTRUCTION**

SAINT LOUIS COUNTY  
DEPARTMENT OF HIGHWAYS AND TRAFFIC  
CLAYTON, MISSOURI

PAVEMENT CONSTRUCTION DETAILS  
**TRUNCATED DOME BRICK PAVERS FOR NEW CONSTRUCTION**

REVISION DATE: July 1, 2004  
DRAWING C608.21

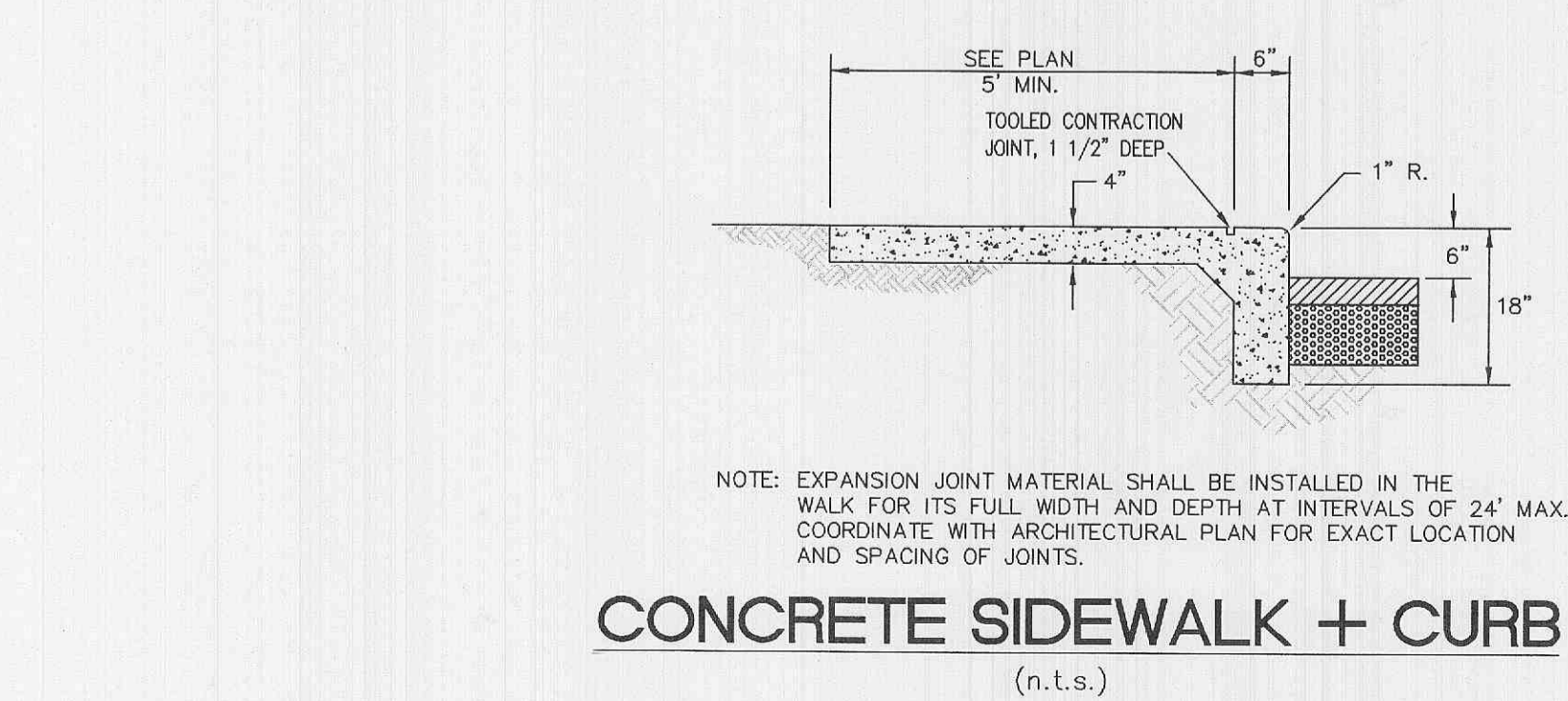
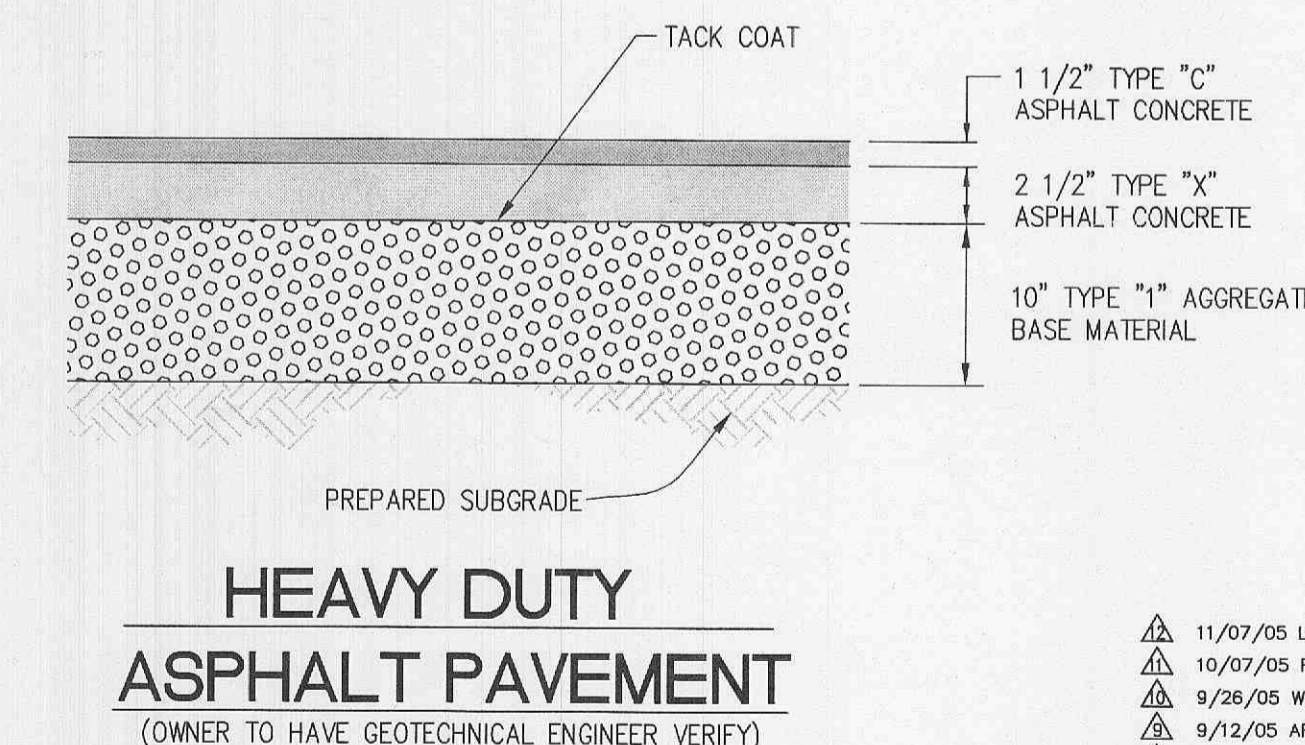
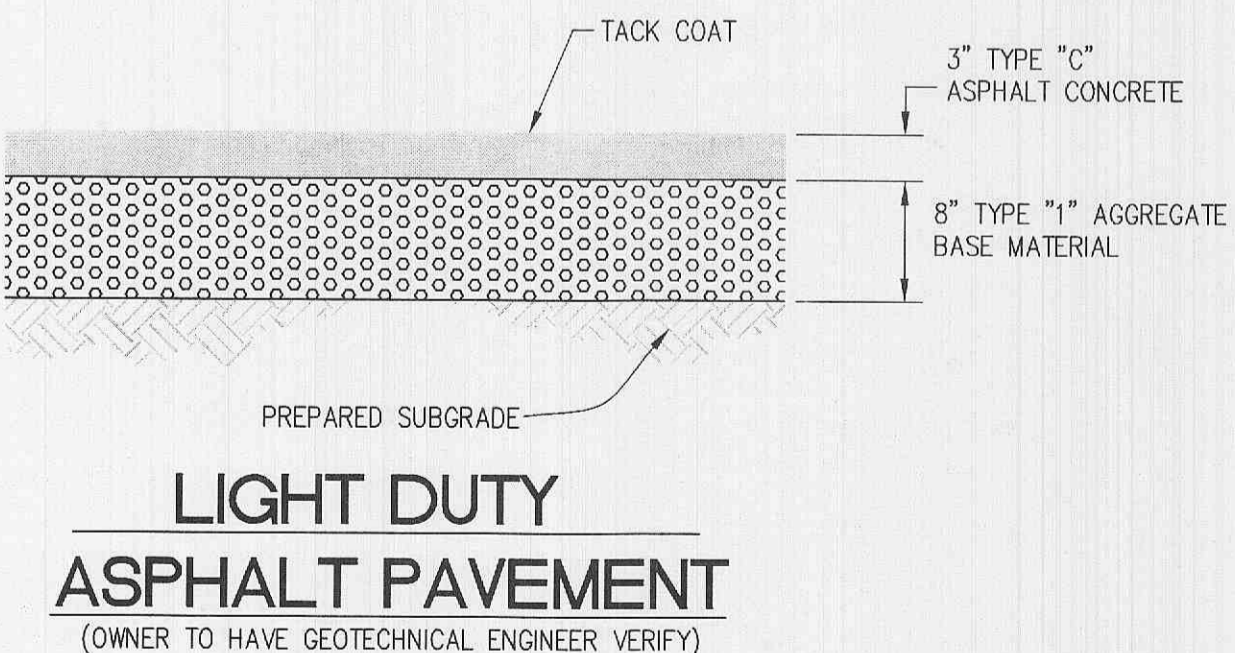
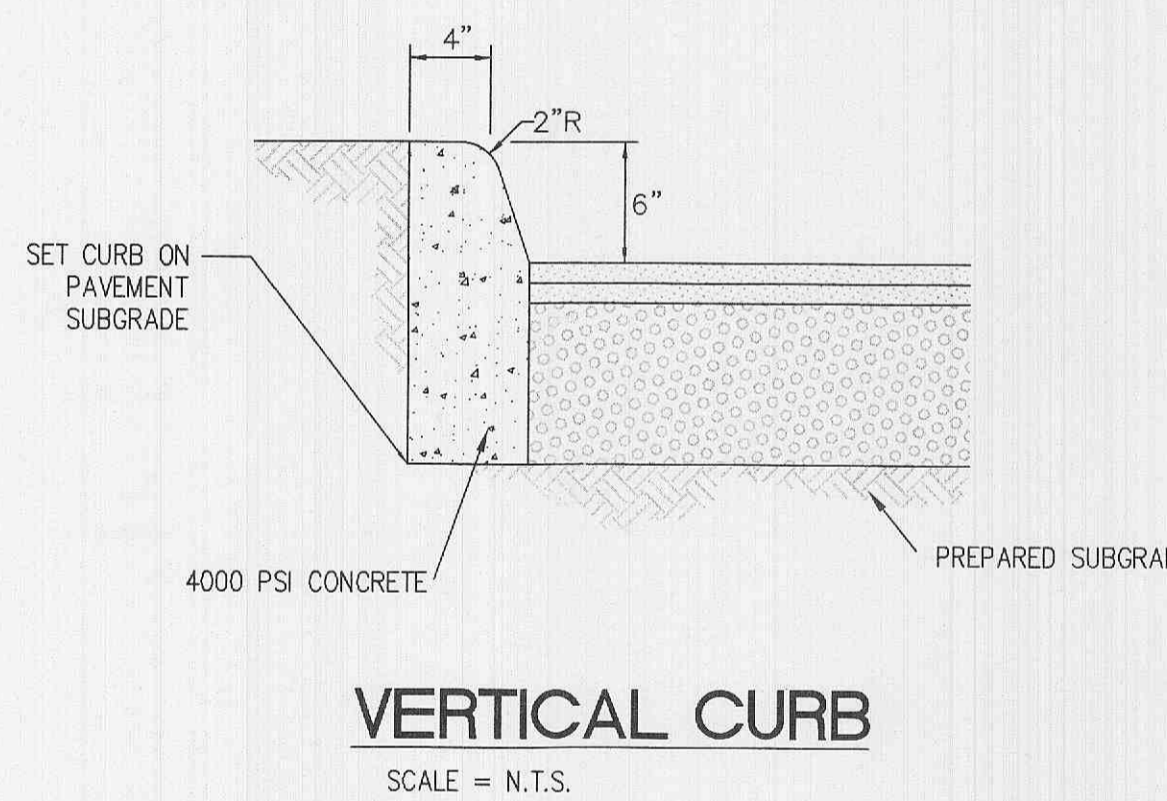
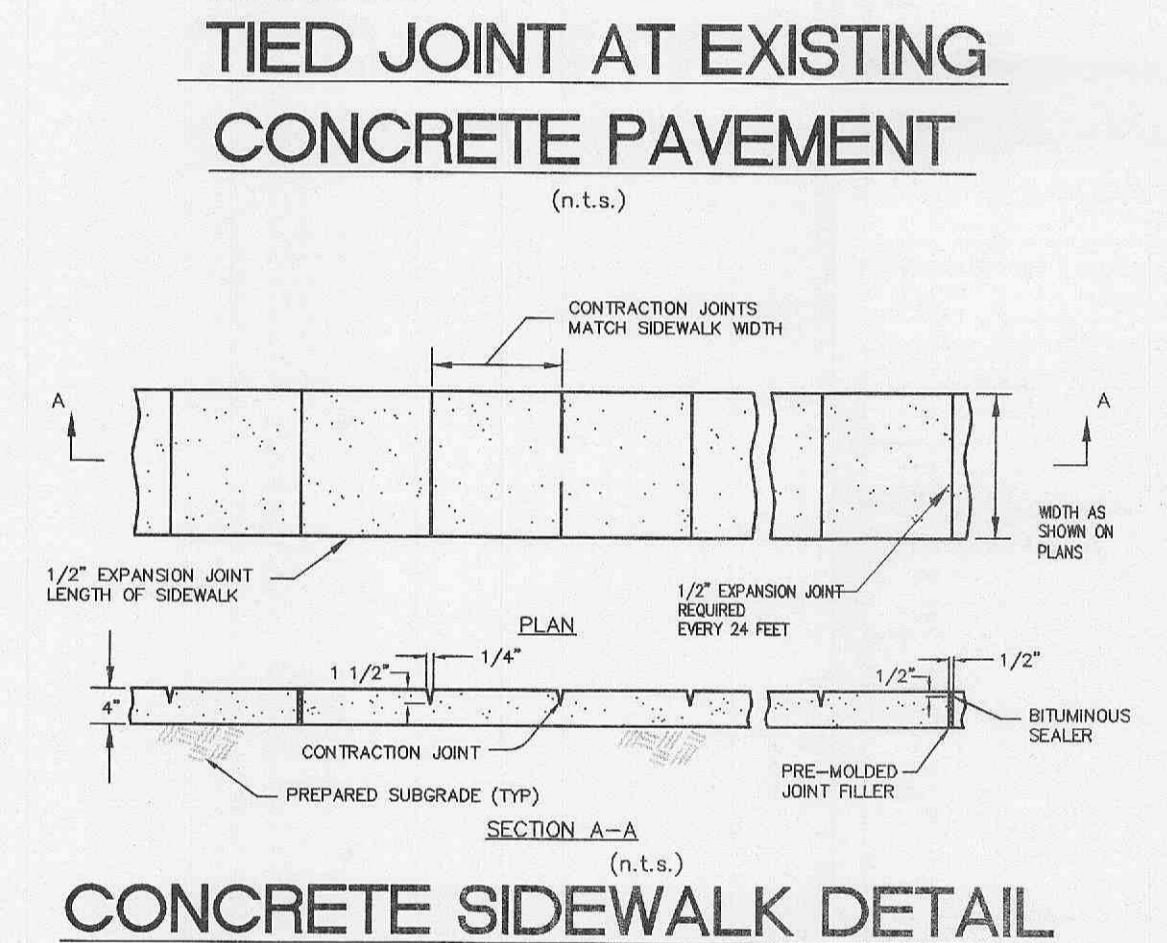
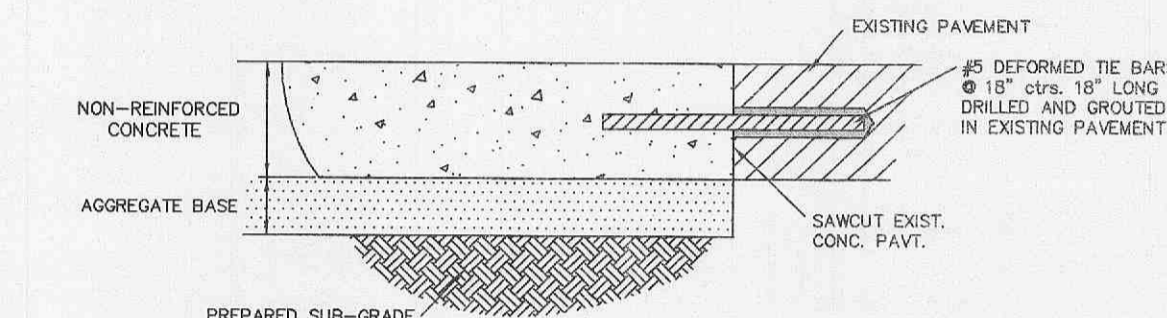


NOTE: PROVIDE CONCRETE HANDICAP RAMP WHERE TRAIL INTERSECTS ACCESS DRIVES OR STREETS OR WHERE TRAIL INTERSECTS WITH CURBING (SEE PLAN).

PROVIDE STRIPING OR A COLORED TEXTURED PAVEMENT THROUGH THE ACCESS DRIVES OR STREETS INTO THE DEVELOPMENT.

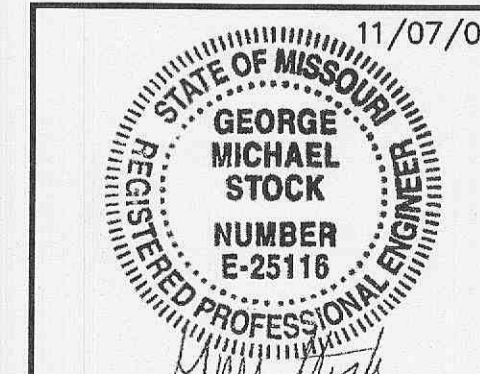
MAXIMUM SLOPE OF THE PATH SHALL NOT EXCEED 8% AND 2% CROSS SLOPE PER CITY OF FALLON SPECIFICATIONS.

THE TRAIL SHALL BE CONSTRUCTED WITH A CONSISTENT SLOPE WITH VERTICAL CURVES A MINIMUM OF 50' IN LENGTH. AFTER FINAL COMPRESSION, THE SURFACE SHALL BE SMOOTH AND TRUE TO THE ESTABLISHED CROWN AND GRADE. ANY LOW OR DEFECTIVE PLACES SHALL IMMEDIATELY BE REMEDIED BY CUTTING OUT THE COURSE AT SUCH SPOTS AND REPLACING IT WITH FRESH HOT MIXTURE, WHICH SHALL BE IMMEDIATELY COMPACTED TO CONFORM WITH THE SURROUNDING AREA AND SHALL BE THOROUGHLY BONDED TO IT. THE FINISHED PAVEMENT SHALL BE SET FREE FROM DEPRESSIONS EXCEEDING ONE-EIGHTH INCH AS MEASURED WITH A TEN-FOOT STRAIGHT EDGE PARALLELING THE CENTERLINE OF THE TRAIL.



- ▲ 11/07/05 LOT C DRIVE, AMEREN
- ▲ 10/07/05 REVISED SIDEWALK
- ▲ 9/26/05 WATER DISTRICT COMMENTS
- ▲ 9/12/05 ARCHITECT COMMENTS
- ▲ 8/03/05 COORDINATION
- ▲ 7/19/05 REVISED PER DUCKETT CREEK'S COMMENTS DATED 7/19/05
- ▲ 7/13/05 REVISED PER DUCKETT CREEK'S COMMENTS DATED 7/13/05
- ▲ 6/07/05 REVISED PER CITY OF FALLON'S COMMENTS 5/22/05 & DUCKETT CREEK'S COMMENTS DATED 6/15/05
- ▲ 5/31/05 REVISED PER DUCKETT CREEK'S MARK-UP PLAN (ADD MIN. REV. ALIGNMENT)
- ▲ 5/11/05 REVISED BANK'S DRIVEWAY FOR STACKING REQUIREMENT
- ▲ 5/5/05 REVISED PER CITY COMMENT LETTER DATED 4-8-05. DUCKETT CREEK COMMENTS (ALIGNMENT), MODOT(4-8-05)
- ▲ 3/17/05 REVISED PER CITY COMMENT LETTER DATED 2-24-05, PWSID NO. 2 (2-14-05), DUCKETT CREEK (2-15-05)

P&Z NOS: 9831.52.01



**SITE IMPROVEMENT DETAILS**

**THE POINTE AT WINGHAVEN**

**STOCK & ASSOCIATES**  
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St. Louis, MO 63005  
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Web: www.stockassoc.com

DRAWN BY: J.P.P. DATE: 2/04/05 CHECKED BY: G.M.S. DATE: 2/04/05 DATE JOB NUMBER: 204-3385 SHEET: C9 of 13