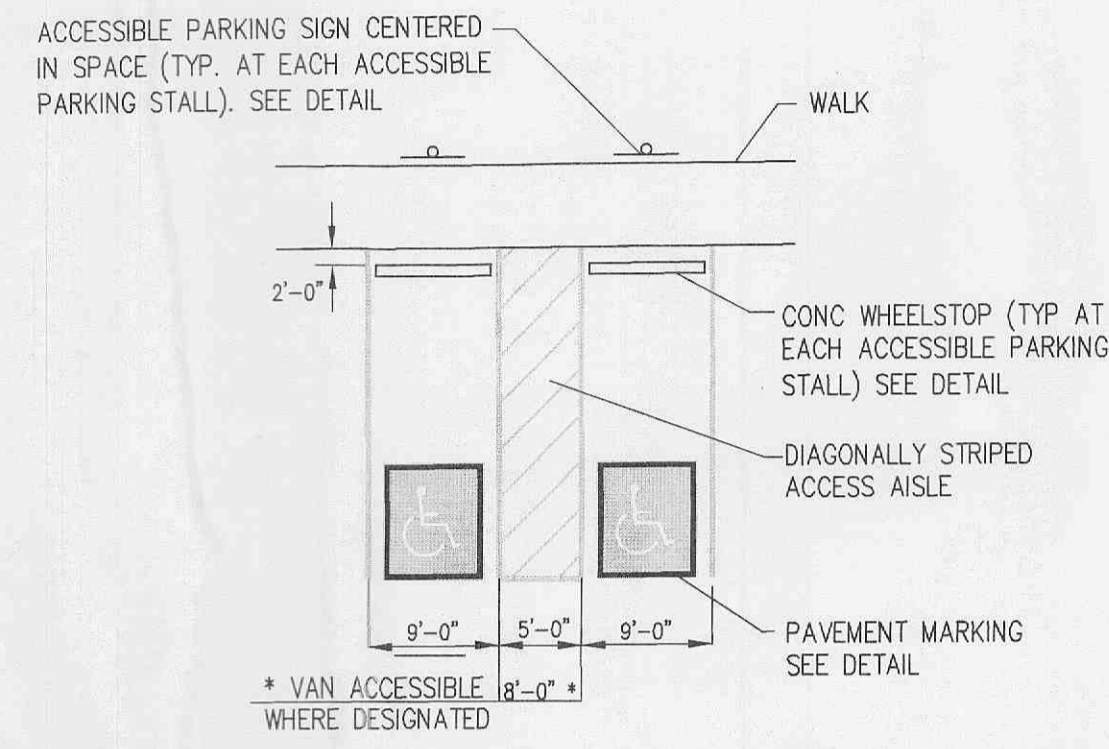


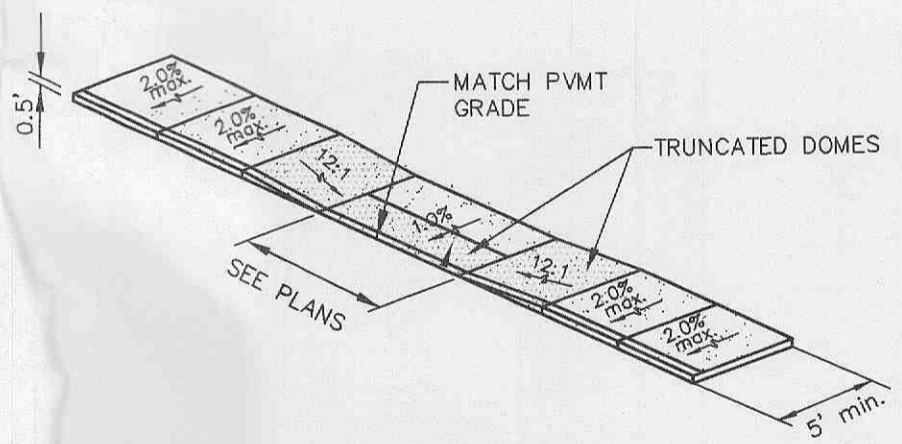
ACCESSIBLE PARKING SIGN

SCALE = N.T.S.



ACCESSIBLE PARKING STALL - ADA

SCALE = N.T.S.

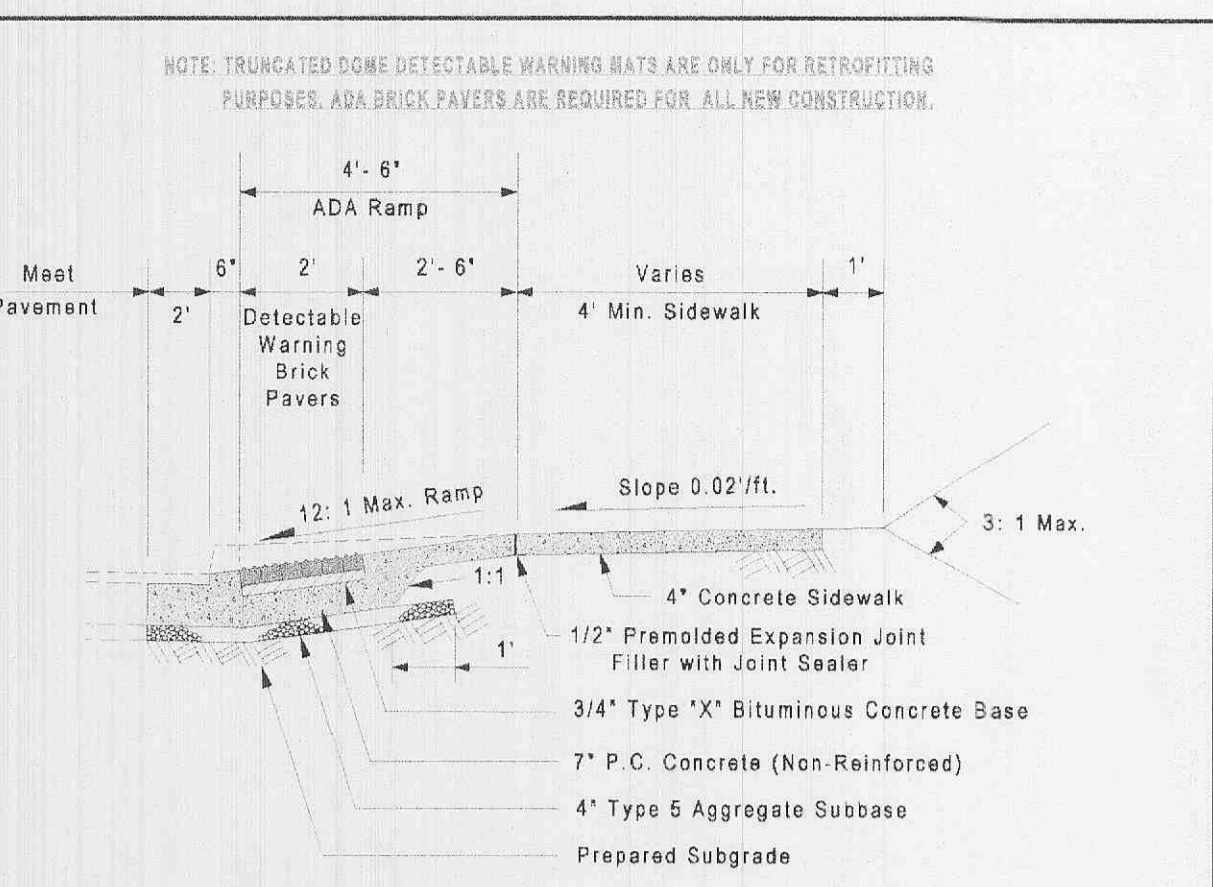


CONCRETE H.C. RAMP DETAIL AT HANDICAP PARKING

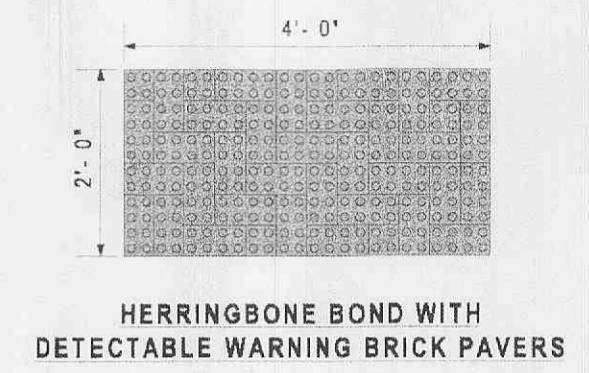
(n.t.s.)

ADA BRICK PAVERS FOR NEW CONSTRUCTION

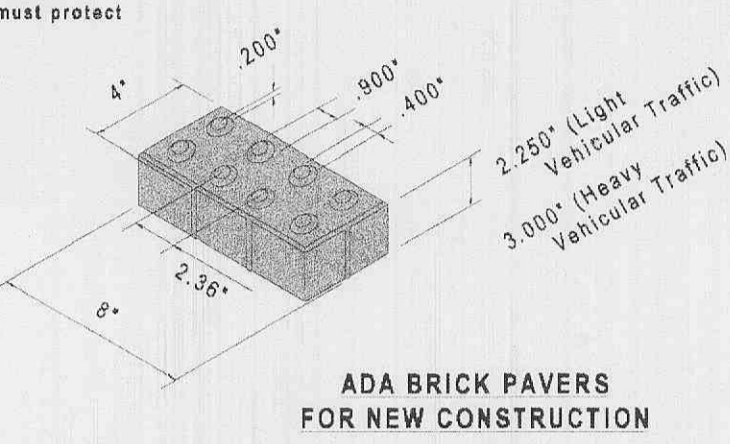
- Do not scale drawings, follow dimensions.
- The pavers shall be designed to meet accessibility guidelines for the American Disabilities Act for Detectable Warning (Paragraph 4.20) and Loading Ramps (Paragraph 4.7).
- Clay brick pavers shall be manufactured by Whitacre Greer or County approved equivalent. Follow manufacturer's installation instructions.
- Pavers may be chamfered or lugged or square edge without lugs. Finished may be smooth or textured.
- PAVING BRICK IN PEDESTRIAN/LIGHT TRAFFIC AREA
 - True 4" x 8" x 2-1/4", as per ASTM C 902-98 Class SX, Type 1, Application PS, 8000 minimum PSI, 6% maximum average absorption.
 - 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 .40 wet and .70 dry.
- PAVING BRICK FOR HEAVY VEHICULAR TRAFFIC
 - True 4" x 8" x 3" as per ASTM C 1272-05, Type F, Application PX, 10,000-PSI minimum, average compressive strength, maximum absorption.
 - Slip resistance same as LIGHT TRAFFIC.
- Color and texture to be approved by Saint Louis County Department of Highways and Traffic. (Brick Red)
- ALLOWABLE TOLERANCES
 - Joint widths to be no greater than 1/32 of an inch and not less than 1/16 of an inch.
 - Pavers shall not be directly touching each other unless they have spacing bars.
- JOINT TREATMENTS
 - 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.
- 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.



BRICK PAVERS TYPICAL SECTION



HERRINGBONE BOND WITH DETECTABLE WARNING BRICK PAVERS



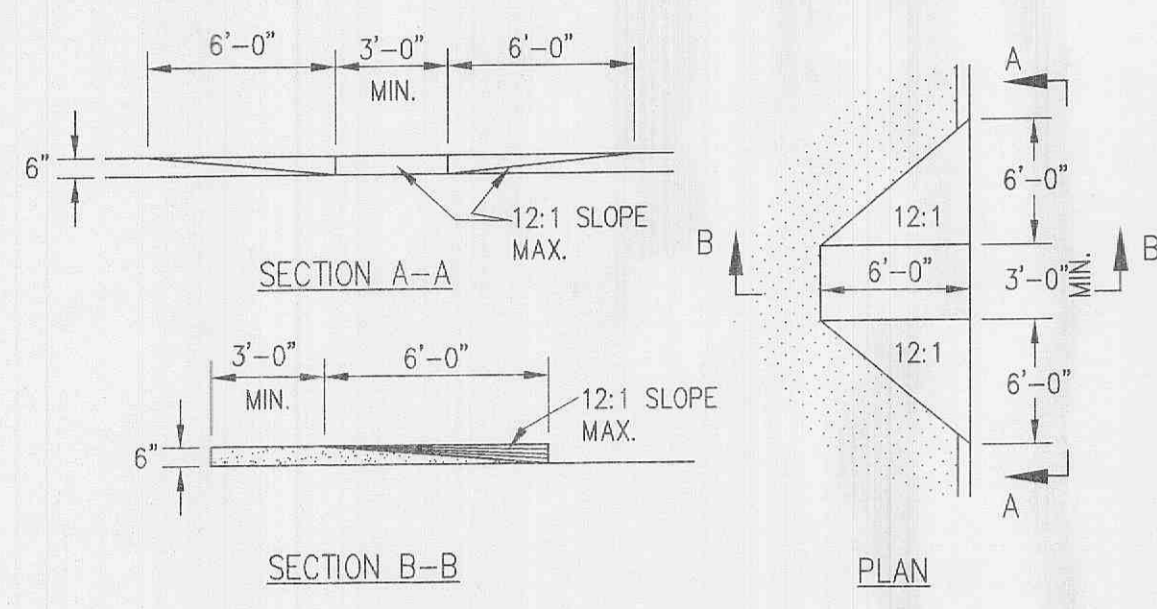
ADA BRICK PAVERS FOR NEW CONSTRUCTION

SAINT LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI

PAVEMENT CONSTRUCTION DETAILS
TRUNCATED DOME BRICK PAVERS FOR NEW CONSTRUCTION

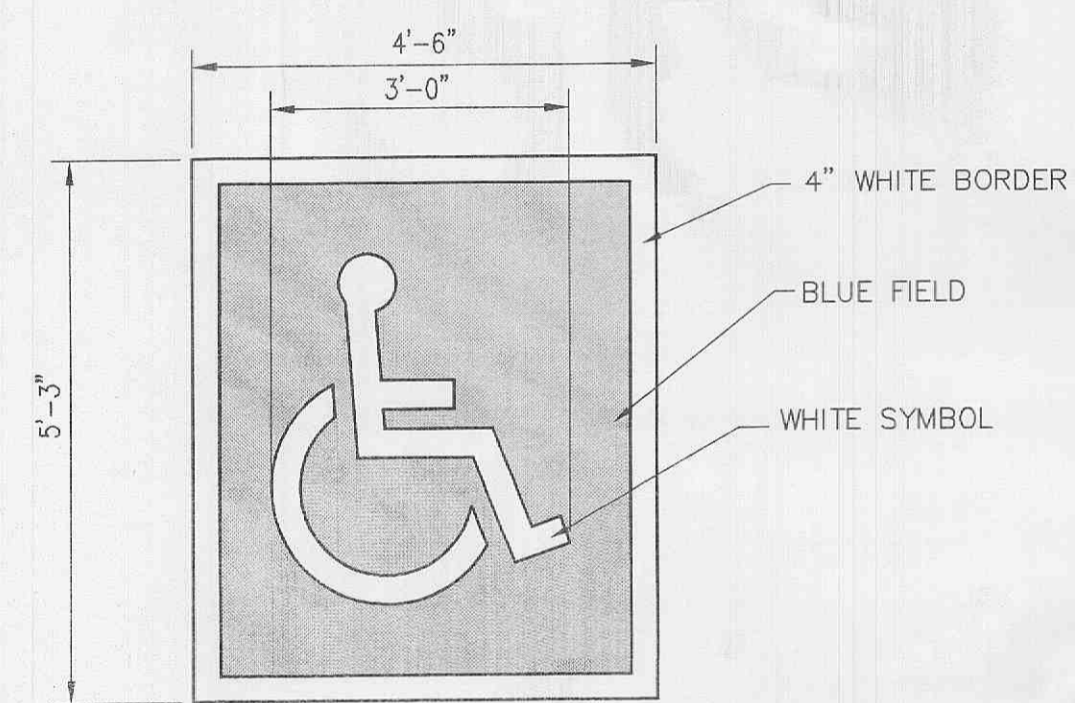
REVISION DATE: July 1, 2004

DRAWING C608.01



ACCESSIBLE RAMP DETAIL

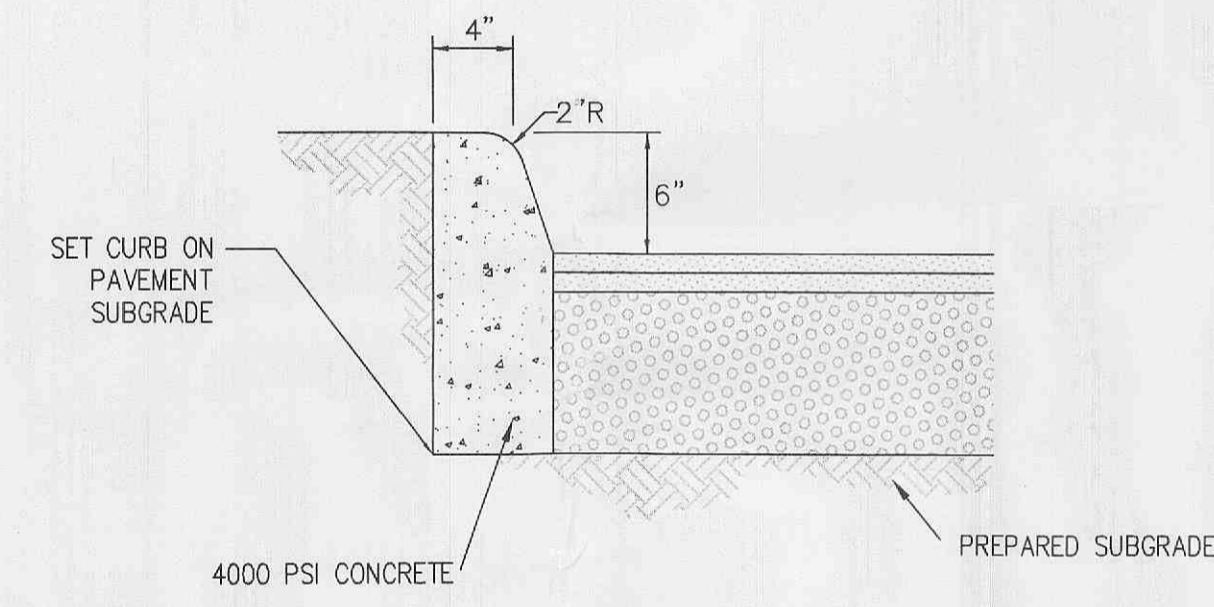
SCALE = N.T.S.



NOTE: SYMBOL PROPORTIONS TO BE IN ACCORDANCE WITH ANSI A117.1 4.30

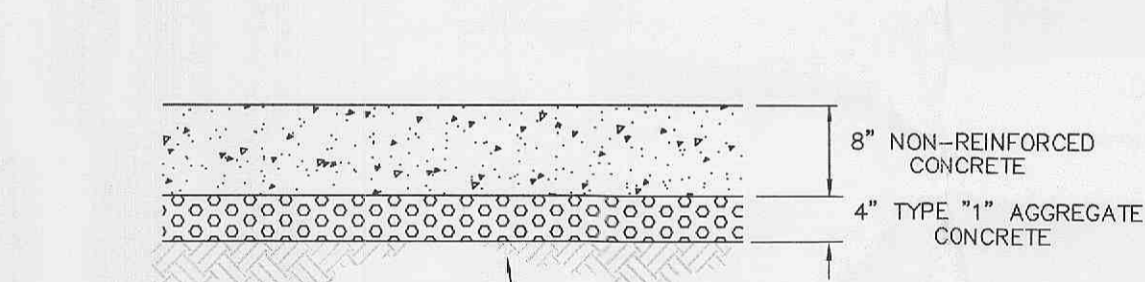
ACCESSIBILITY SYMBOL PAVEMENT MARKING DETAIL

SCALE = N.T.S.



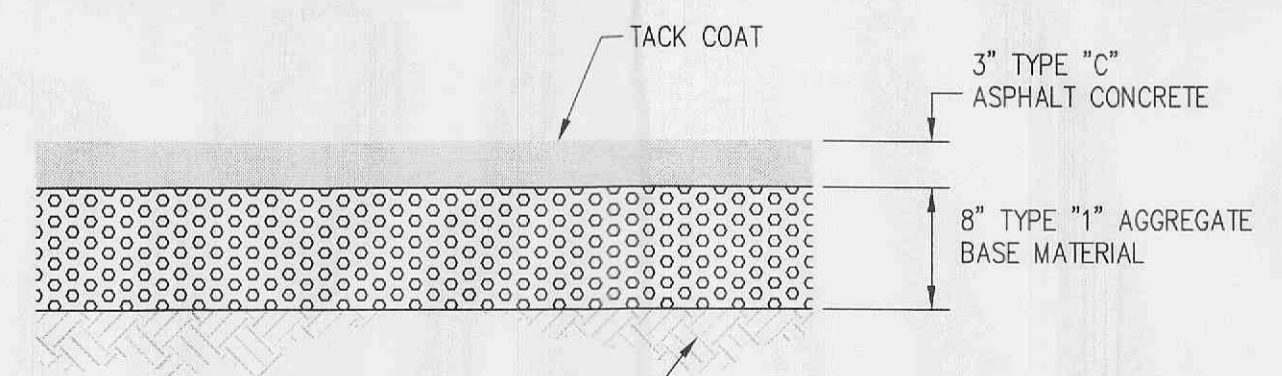
VERTICAL CURB

SCALE = N.T.S.



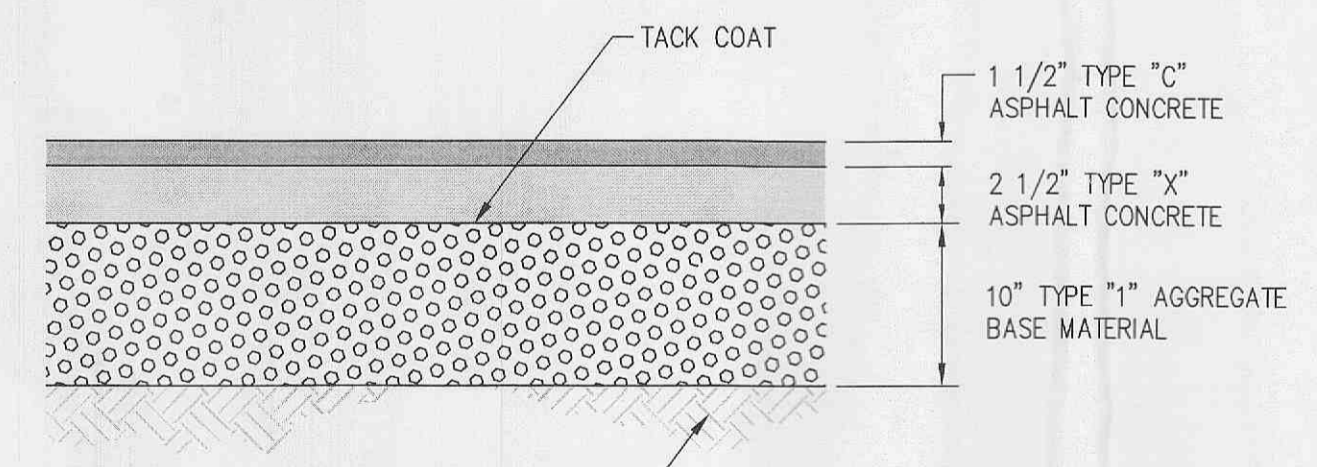
CONCRETE PAVEMENT DETAIL

(OWNER TO HAVE GEOTECHNICAL ENGINEER VERIFY)



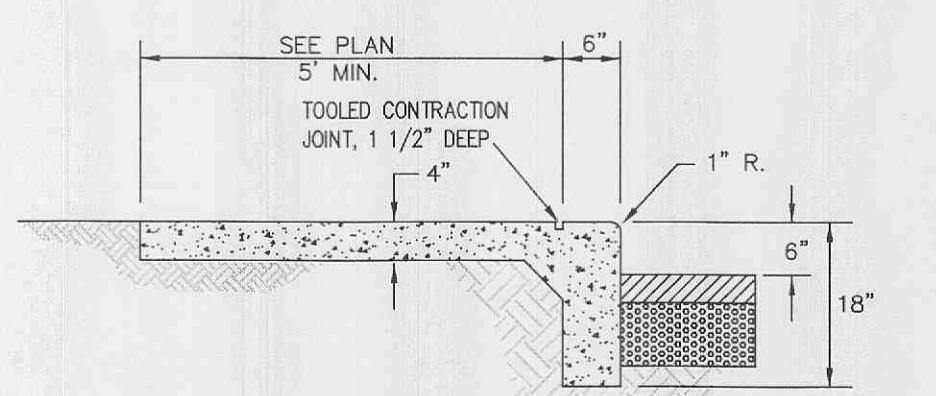
LIGHT DUTY ASPHALT PAVEMENT

(OWNER TO HAVE GEOTECHNICAL ENGINEER VERIFY)



HEAVY DUTY ASPHALT PAVEMENT

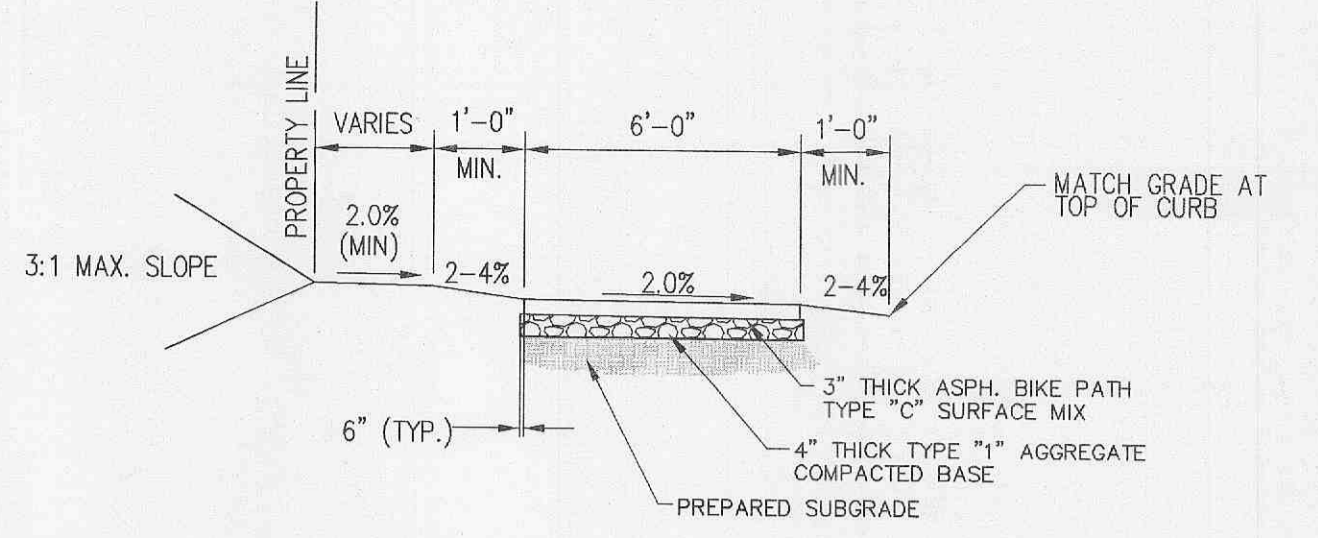
(OWNER TO HAVE GEOTECHNICAL ENGINEER VERIFY)



NOTE: EXPANSION JOINT MATERIAL SHALL BE INSTALLED IN THE WALK FOR ITS FULL WIDTH AND DEPTH AT INTERVALS OF 24' MAX. COORDINATE WITH ARCHITECTURAL PLAN FOR EXACT LOCATION AND SPACING OF JOINTS.

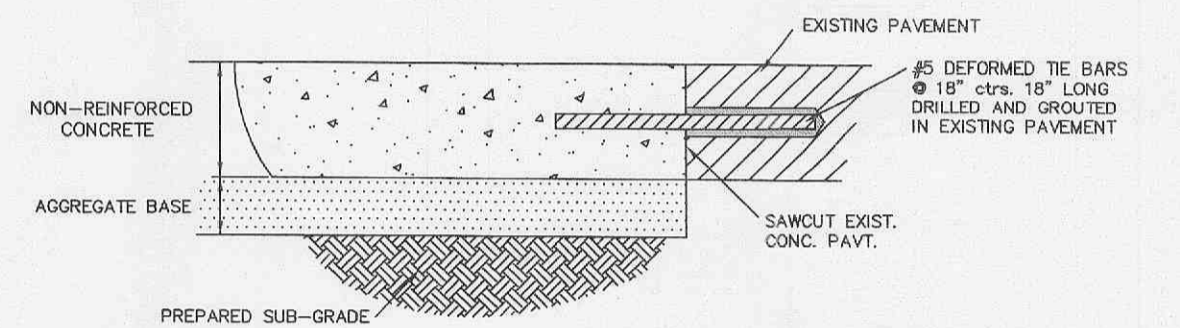
CONCRETE SIDEWALK + CURB

(n.t.s.)



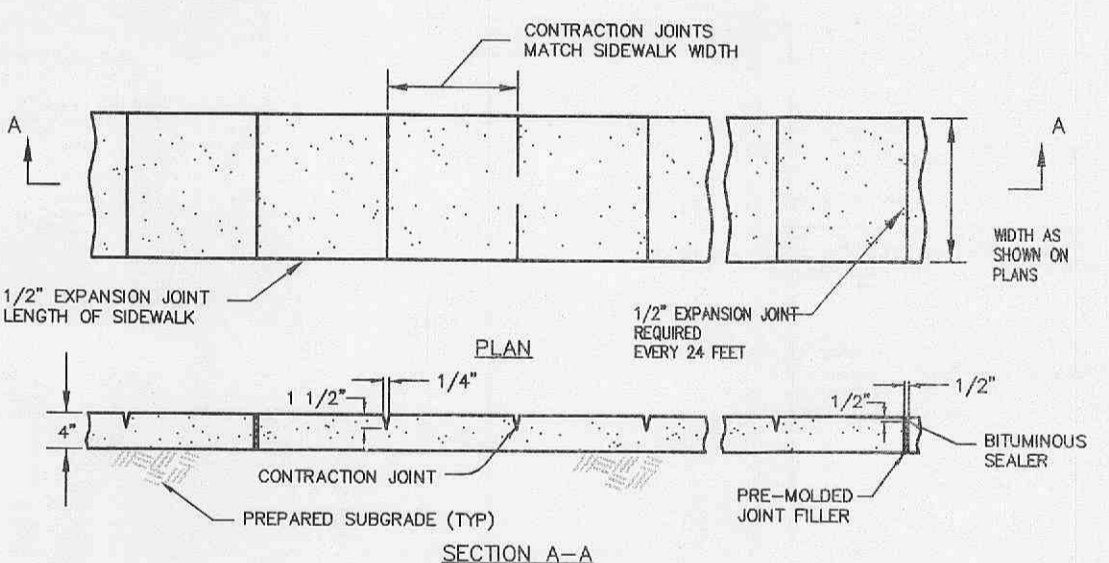
MULTI-USE PATH DETAIL

SCALE = N.T.S.



TIED JOINT AT EXISTING CONCRETE PAVEMENT

(n.t.s.)

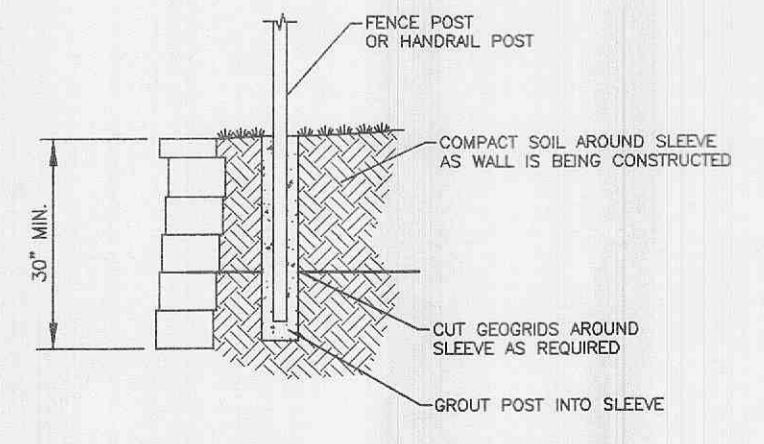


CONCRETE SIDEWALK DETAIL

(n.t.s.)

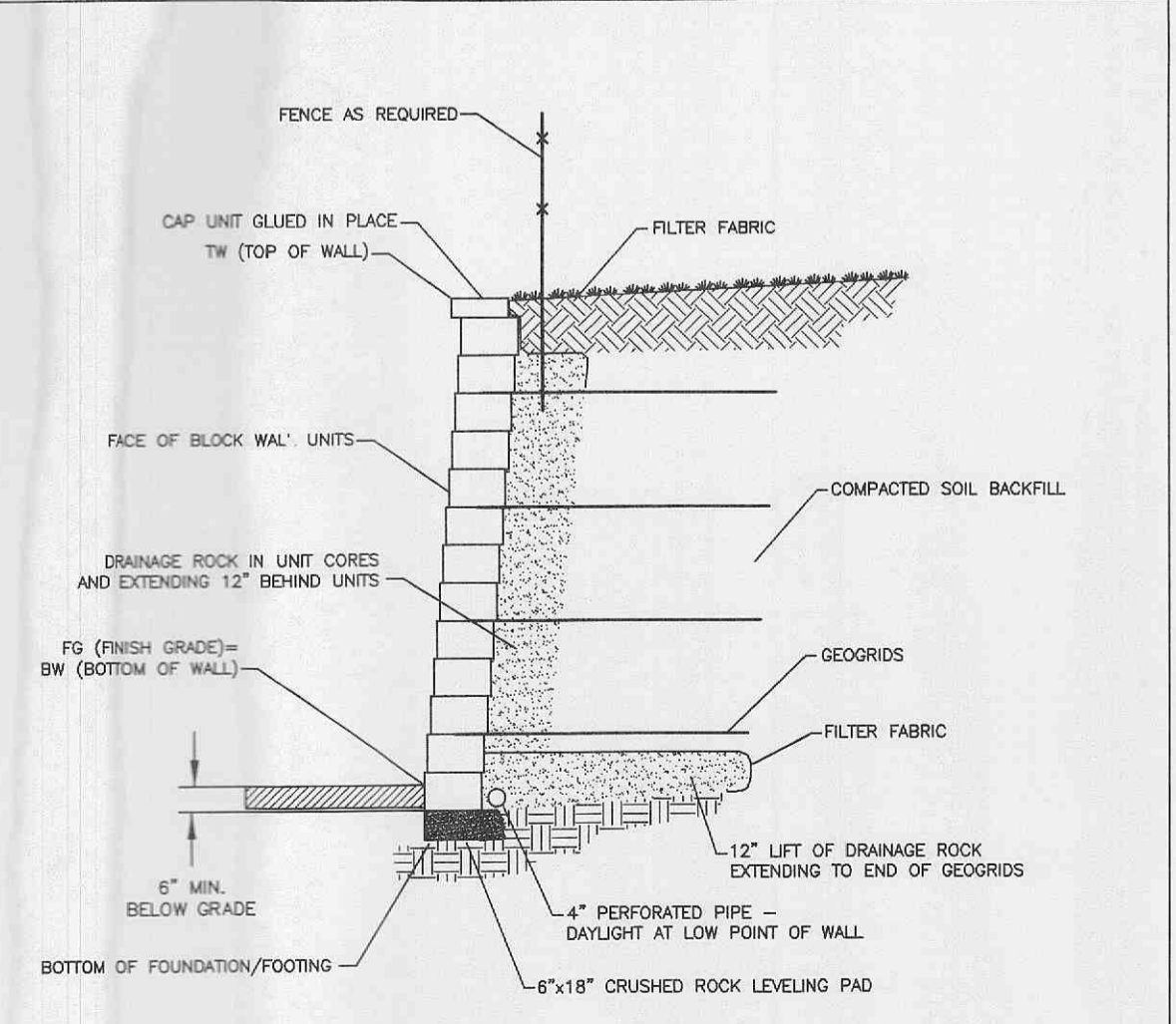
RETAINING WALL NOTES:

- 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.
- SHOP DRAWINGS BEARING THE SEAL OF A REGISTERED ENGINEER IN THE STATE OF MISSOURI TO BE SUPPLIED TO THIS ENGINEER FOR APPROVAL.
- VERIFY ALTERNATE WALL SYSTEMS WITH ARCHITECT: KEYSTONE, ROCKWOOD.
- 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.
- DETAILS COURTESY OF "ASPEN CONSULTANTS, 12/05/2003, 636-349-2225". MODIFIED BY STOCK AND ASSOCIATES.



FENCE DETAIL

NOT TO SCALE



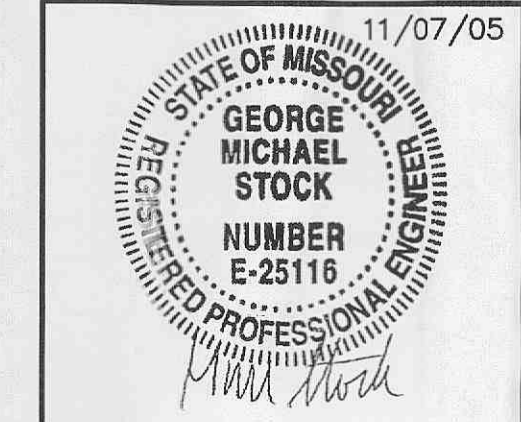
TYPICAL SECTION

NOT TO SCALE

ASPEN CONSULTANTS		STOCK & ASSOCIATES	
293 Northward Blvd., Fenton, MO 63026 Phone: (636) 348-2225 Fax: (636) 348-2220		Location	
Revision	Date: 12-1-2003	Revision	Date: 12-1-2003
Revision	Sheet: 2 of 2	Revision	Sheet: 1 of 2

ASPEN CONSULTANTS		STOCK & ASSOCIATES	
293 Northward Blvd., Fenton, MO 63026 Phone: (636) 348-2225 Fax: (636) 348-2220		Location	
Revision	Date: 12-1-2003	Revision	Date: 12-1-2003
Revision	Sheet: 1 of 2	Revision	Sheet: 1 of 2

P&Z NOS: 9831.52.01



GEORGE M. STOCK E-25116

- 11/07/05 LOT C DRIVE, AMEREN
- 10/07/05 REVISED SIDEWALK
- 9/26/05 WATER DISTRICT COMMENTS
- 8/12/05 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 7/8/05
- 6/27/05 REVISED PER CITY OF OFALLON'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 MH, REV. ALIGNMENT)
- 5/11/05 REVISED BANK'S DRIVEWAY FOR STACKING REQUIREMENT
- 5/9/05 REVISED PER CITY COMMENT LETTER DATED 4-6-05, DUCKETT CREEK COMMENTS (ALIGNMENT), MOD0(4-8-05)
- 3/17/05 REVISED PER CITY COMMENT LETTER DATED 2-24-05, PWSB NO. 2 (2-14-05), DUCKETT CREEK (2-15-05)

SITE IMPROVEMENT DETAILS

THE POINTE AT WINGHAVEN

STOCK & ASSOCIATES
Consulting Engineers, Inc.

257 Chesterfield Business Parkway
St. Louis, MO 63005
PH (636) 530-9100
FAX (636) 530-9130
e-mail: general@stockassoc.com
Web: www.stockassoc.com

DRAWN BY: J.P.P. DATE: 2/04/05 CHECKED BY: G.M.S. DATE: 2/04/05 DATE: 11/07/05 JOB NUMBER: 204-3385 SHEET: C9 of 13