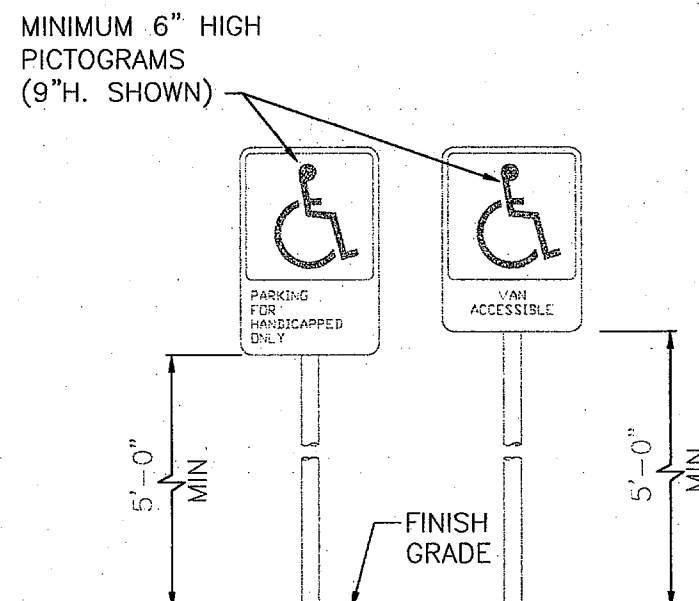


TYPICAL ACCESSIBLE PARKING SPACE DIMENSIONS AND HANDICAP PAVEMENT MARKING

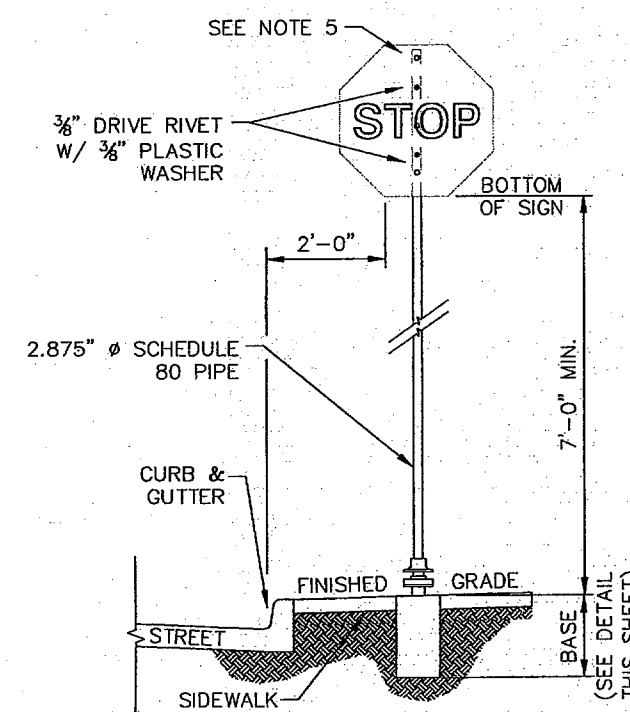
NOT TO SCALE



NOTES:
 1. SIGNS SHALL BE 16 GAUGE STEEL WITH BAKED ENAMEL FINISH.
 2. VAN ACCESSIBLE PARKING SPACE SHALL BE AS INDICATED.
 3. ATTACH SIGNS AS PER TxDOT STANDARD MSX-76.

ACCESSIBLE PARKING SIGNAGE

NOT TO SCALE



TRAFFIC CONTROL NOTES:
 1. ALL SIGNAGE, BARRICADES, AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD HIGHWAY SIGN FOR TEXAS (TSDS).
 2. LOCATIONS SHOWN FOR SIGNAGE AND PAVEMENT MARKINGS ARE APPROXIMATE. FINAL LOCATIONS MAY CHANGE DUE TO POST CONSTRUCTION. OTHER PHYSICAL FEATURES, FINAL LOCATION OF ALL TRAFFIC CONTROL DEVICES, SHALL BE FIELD VERIFIED WITH THE PUBLIC WORKS DEPARTMENT PRIOR TO INSTALLATION.
 3. ALL SIGNS SHALL BE HIGH INTENSITY AND THE SETTING SHALL BE STANDARD UNLESS OTHERWISE NOTED.
 4. ALL SIGNS, POSTS, AND MATERIALS SHALL BE INSTALLED PER DETAILS IN THIS MANUAL.
 5. FOR STOP SIGNS, EXTENDED POST ABOVE THE STOP SIGN SO THAT 2 HOURS ARE AVAILABLE FOR MOUNTING. FOR ALL OTHERS, POST SHALL NOT EXTEND ABOVE THE SIGN.
 6. CHANGES TO TYPICAL SIGN POST LOCATION MADE AT ENGINEER'S DISCRETION.

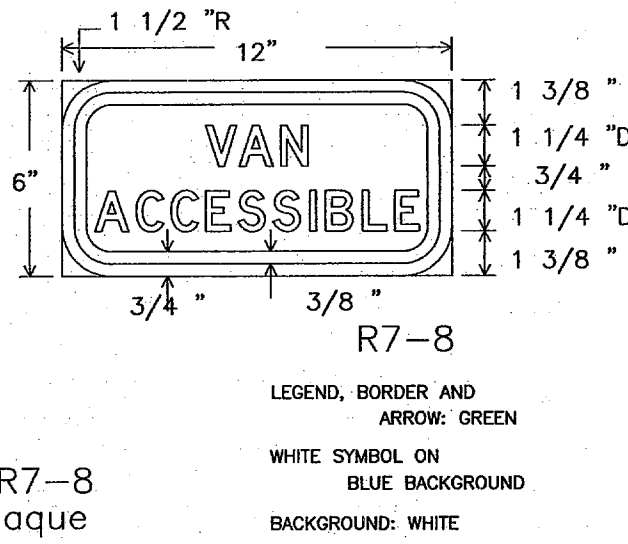
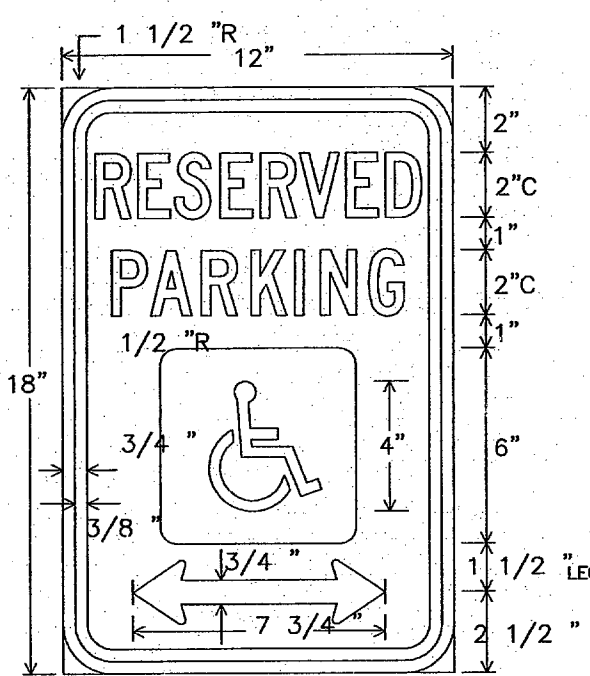
SPECIFICATIONS FOR SCHEDULE 80 PIPE (2\"/>

TYPICAL POST DETAIL

NOT TO SCALE

GENERAL NOTES:

- All parking space limit lines shall be 4" solid white lines.
- Aisle markings shown are examples only. Other methods to indicate a NO PARKING area are acceptable. Aisle markings shall be white.
- Dimensions of limit lines, aisle markings, and symbol (with or without background) may vary + 10%.
- Pavement marking symbols (with background):
 a) are REQUIRED unless stated elsewhere in the plans,
 b) should be placed toward the far end of the parking spaces so as to be visible to motorists in the travel lane,
 c) may be painted or prefabricated material, and
 d) shall be 30" x 30" minimum.
- With approval of the Engineer, prefabricated pavement marking symbols with background of other dimensions exceeding the 30" x 30" minimum may be used. Alternative designs shall include a proportion sized symbol of accessibility, and shall conform to the illustrated colors for background, symbol and border.
- An R7-8 sign:
 a) shall be REQUIRED for each accessible parking space,
 b) shall NOT be placed between two accessible parking spaces,
 c) shall NOT be placed in a location that restricts movement of wheelchairs within the adjacent sidewalk, and
 d) shall have a minimum mounting height of 7 feet. If mounted to wall or located so as not to be near pedestrian traffic minimum mounting height may be 5 feet.
- Post mounted signs should be placed approximately 1 foot (or greater) behind the curb to prevent damage from vehicle overhang.
- Signs may be mounted directly to an adjacent wall of a building when post mounting is impractical (see 6(d)), overhanging.



ALUMINUM SIGN BLANKS	REFLECTIVE SHEETING, TYPE C (HIGH SPECIFIC INTENSITY)
7.5 to 15	D-9-7110
Greater than 15	D-9-8300

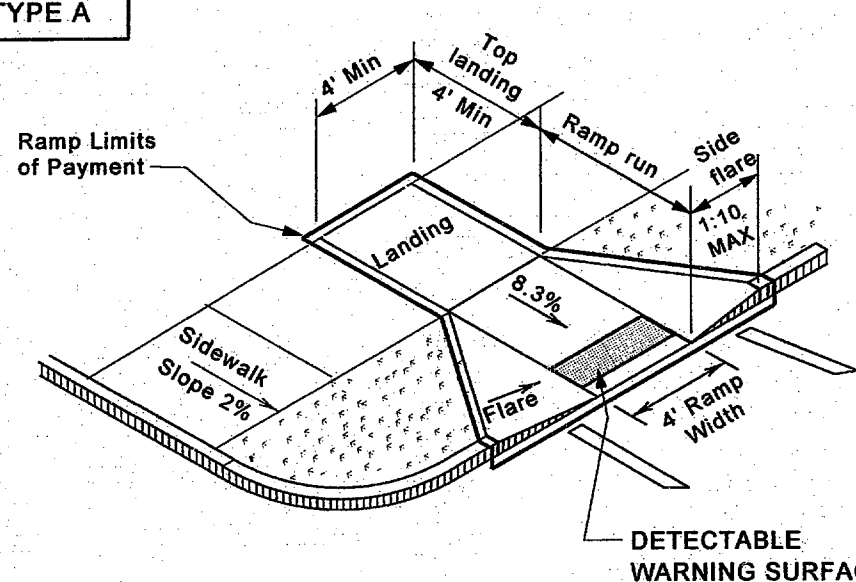
GENERAL SIGN NOTES:

The Alphabets and lateral spacing between letters and numerals shall conform with the Texas Manual on Uniform Traffic Control Devices for Streets and Highways, latest edition, and any approved changes thereto. Lateral spacing of text shall provide a balanced appearance. All materials shall conform to Department Specifications. Legend shall be applied by screening process of black and/or transparent colored ink, cut-out black vinyl non-reflective decal sheeting and/or reflective sheeting or combination thereof. Background shall be white reflective sheeting (Type C). Sign blanks shall be one piece 0.08 inch thick sheet aluminum alloy (Type A), unless otherwise noted elsewhere in the plans.

HANDICAP PARKING SIGN

NOT TO SCALE

TYPE A



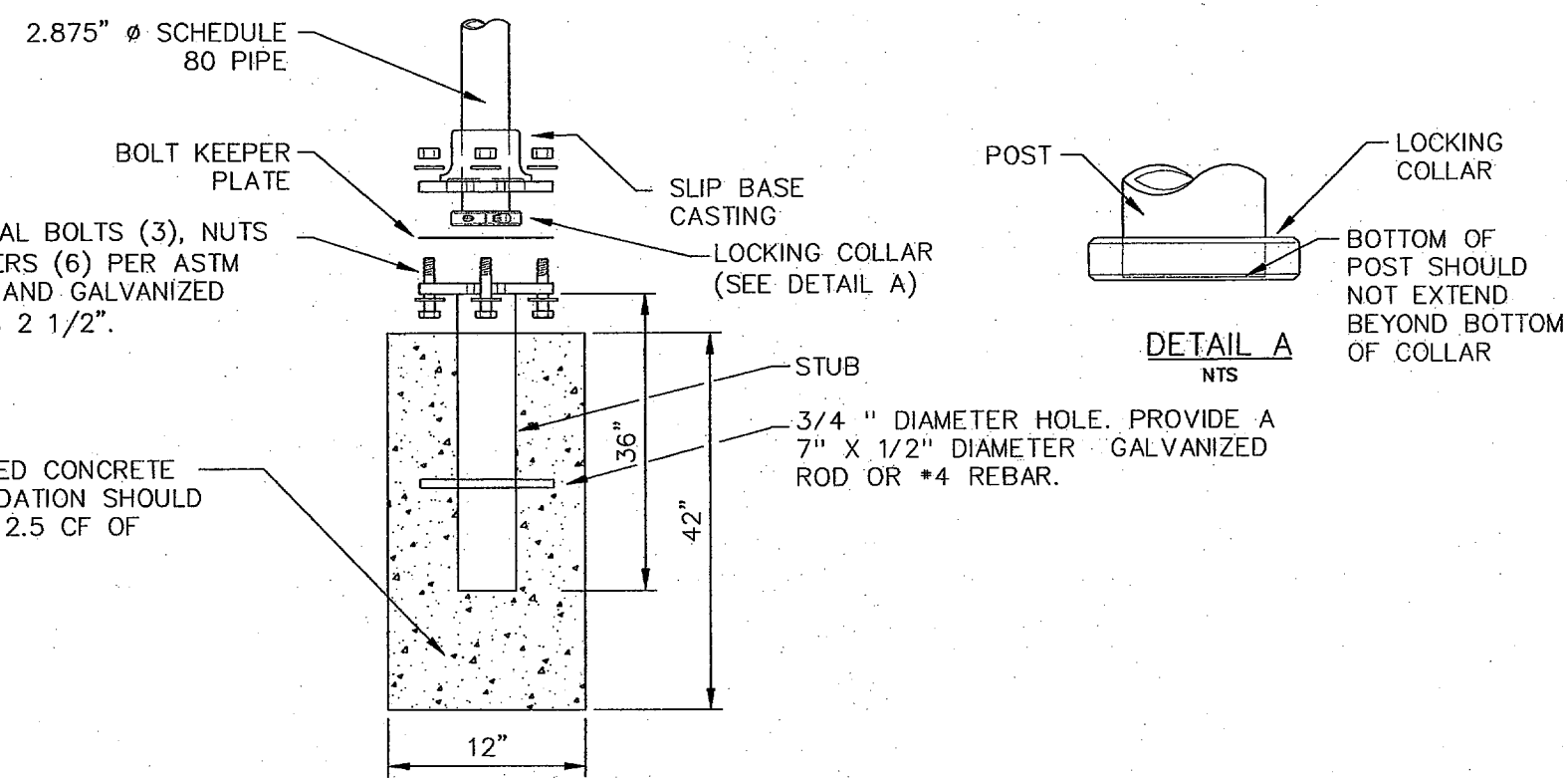
PERPENDICULAR CURB RAMP WITH SIDE FLARES NOT ADJACENT TO WALK SURFACE

SIDEWALK RAMP (CURB RAMP) GENERAL NOTES

- All slopes are maximum allowable. The least possible slope that will still drain properly should be used. Adjust curb ramp length or grade of approach sidewalks as directed.
- The minimum sidewalk width is 4'.
- Landings shall be 4' x 4' minimum with a maximum 2% slope in any direction.
- Maneuvering space at the bottom of curb ramps shall be a minimum of 4' x 4' wholly contained within the crosswalk and wholly outside the parallel vehicular travel path.
- Maximum allowable cross slope on sidewalk and curb ramp surfaces is 2%.
- Curb ramps with returned curbs may be used only where pedestrians would not normally walk across the ramp, either because the adjacent surface is planting or other non-walking surface or because the side approach is substantially obstructed. Otherwise, provide flared sides.
- Details on this plan apply to all construction or reconstruction of streets, curbs, or sidewalks to serve as a pedestrian refuge area, the median should be a minimum of 5' wide. Medians should be designed to provide accessible passage through them.
- Curb out ramps are to be located as shown on the plans or as directed by Engineer.
- Crosswalk dimensions, crosswalk markings and stop bar locations shall be as shown elsewhere in the plans. At intersections where crosswalk markings are not required, curb ramps shall be aligned with theoretical crosswalks, or as directed by the Engineer.
- Ramps shall be provided at all corners of street intersections where there is existing or proposed sidewalk and curb. Ramps shall also be provided at walk locations in mid-block in the vicinities of hospitals, medical centers, and stadiums.
- Surface texture of the ramp shall be that obtained by a course brooming, transverse to the slope of the ramp except at detectable warning surface areas. See details A and B.
- Separate curb ramp and landings from adjacent sidewalk and any other elements with precast or board joint of 3/4" unless otherwise directed by the Engineer.
- Provide a smooth transition where the curb ramps connect to the street.
- Curbs shown on this sheet within the limits of payment are considered part of the curb ramp for payment, whether it is concrete curb, gutter, or combined curb and gutter.
- Flare slope shall not exceed 10% measured along curb line and where pedestrians could walk across the ramp, then Maximum slope shall be 1:12 (8.3%).
- Sidewalks shall be ramped where the driveway curb is extended across the walk.
- If possible, drainage structures should not be placed in line with ramps. Location of the ramps should take precedence over location of the drainage structure.
- The normal gutter line profile shall be maintained through the area of the ramp.
- The actual limits of existing curb and gutter and sidewalk shall be directed by the engineer in the field.
- Contraction joints, expansion joints and silicone sealing shall be subsidiary to unit price bid for sidewalks and ramps.

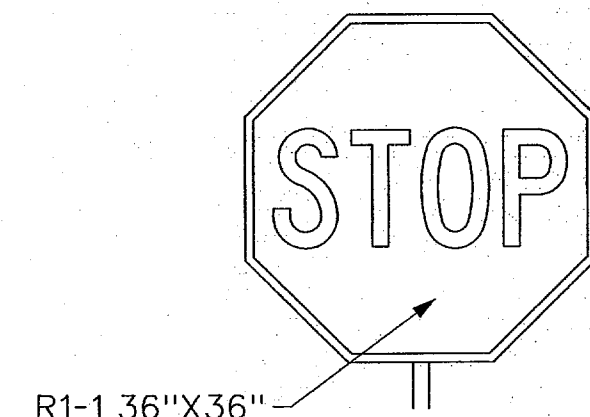
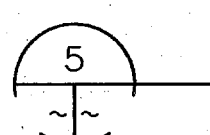
SIDEWALK RAMP DETAIL

NOT TO SCALE



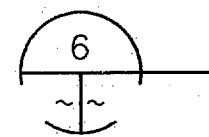
SIGN BASE DETAIL

NOT TO SCALE



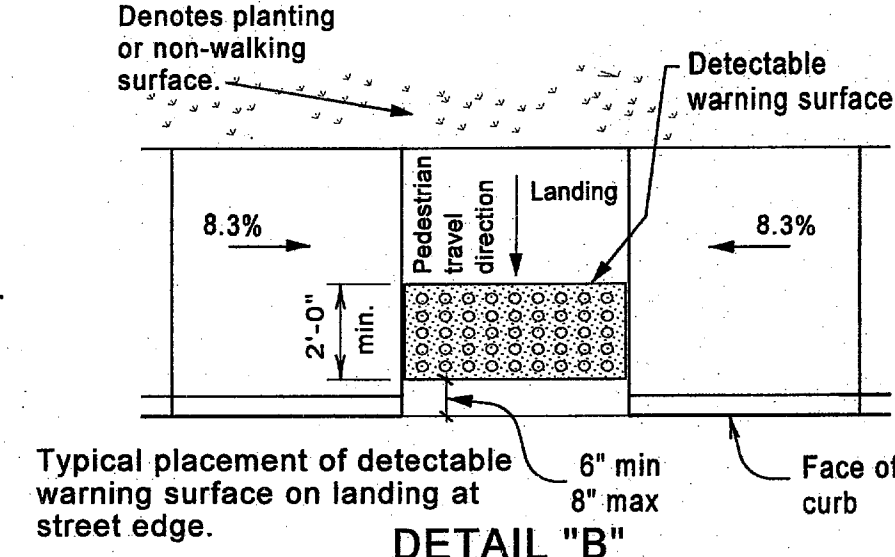
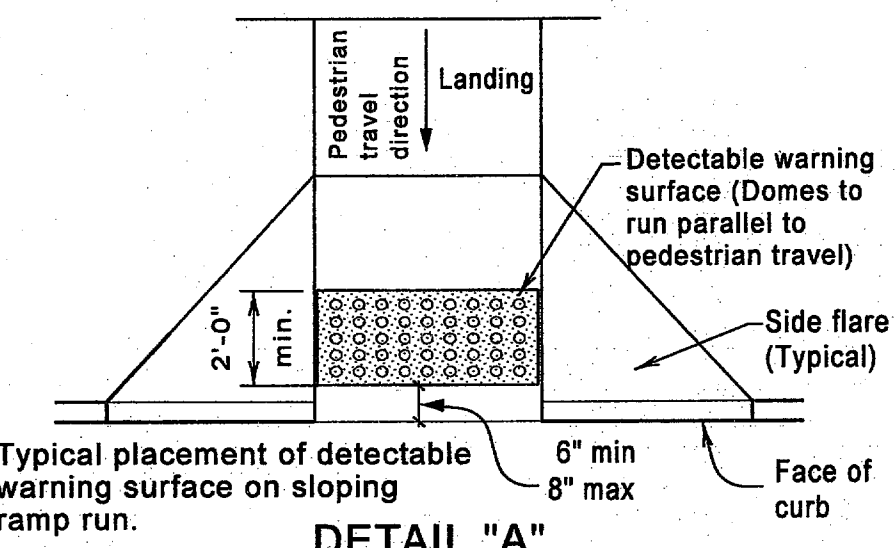
STOP SIGN DETAIL

NOT TO SCALE

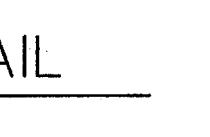


GENERAL NOTES FOR DETECTABLE WARNINGS ON SIDEWALK RAMP (CURB RAMP)

- Curb ramps must contain a detectable warning surface that consists of raised truncated domes complying with Section 4.29 of the Texas Accessibility Standards (TAS). The surface must contrast visually with adjoining surfaces, including side flares. Furnish dark brown or dark red detectable warning surface adjacent to uncolored concrete, unless specified elsewhere in the plans.
- Detectable warning surfaces must be slip resistant and not allow water to accumulate.
- Align truncated domes in the direction of pedestrian travel when entering the street.
- Shaded areas indicate the approximate location for the detectable warning surface for each curb ramp type.
- Detectable warning surfaces shall be a minimum of 24" in depth in the direction of pedestrian travel, and extend the full width of the curb ramp or landing where the pedestrian access route enters the street.
- Detectable warning surfaces shall be located so that the edge nearest the curb line is a minimum of 6" and a maximum of 8" from the extension of the face of curb. Detectable warning surfaces may be curved along the corner radius.
- The following is an approved list of Cast-In-Place Detectable Warning Materials and their manufacturers:
 7a. Armor Tile (vitrified polymer composite) by Engineered Plastics, Inc., Williamsville, NY.
 7b. Tactile Pavers (fired clay pavers) by Pine Hall Brick; Winston-Salem, NC.
 7c. Detectable Warning Paver (fired clay pavers) by Western Brick Co., Houston, Tx.
- The above list of Detectable Warning Materials or their approved equal shall be used as the Detectable Warning surface on sidewalk (curb) ramps as shown on the plans and or details on this sheet.



NOT TO SCALE



TEXAS REGISTERED PROFESSIONAL ENGINEER LICENSE NO. 81073

FRIESE & NICHOLS INC. 1-19-11

2220 San Jacinto Blvd., Suite 330 Dallas, TX 75207
 Phone - (940) 387-4600
 Fax - (940) 387-4677
 Web - www.friese.com

TOWN OF ADDISON, TEXAS

SURVEYOR 1.5 MG EST

CIVIL

PAVEMENT MARKING & SIGNAGE DETAILS

NO.	ISSUES	BY	DATE	FRN JOB NO.	ADD08459

FILE NAME: CV-EST-DT-TYP09.SHT

VERIFY SCALE: Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.

SHEET: DT-09

34BorDer.dgn 06/11/11 10:01 AM

Project: Friesse and Nichols, Inc.