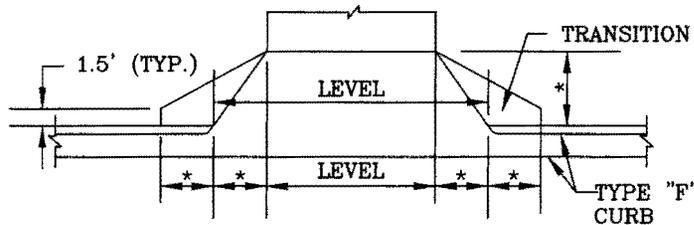
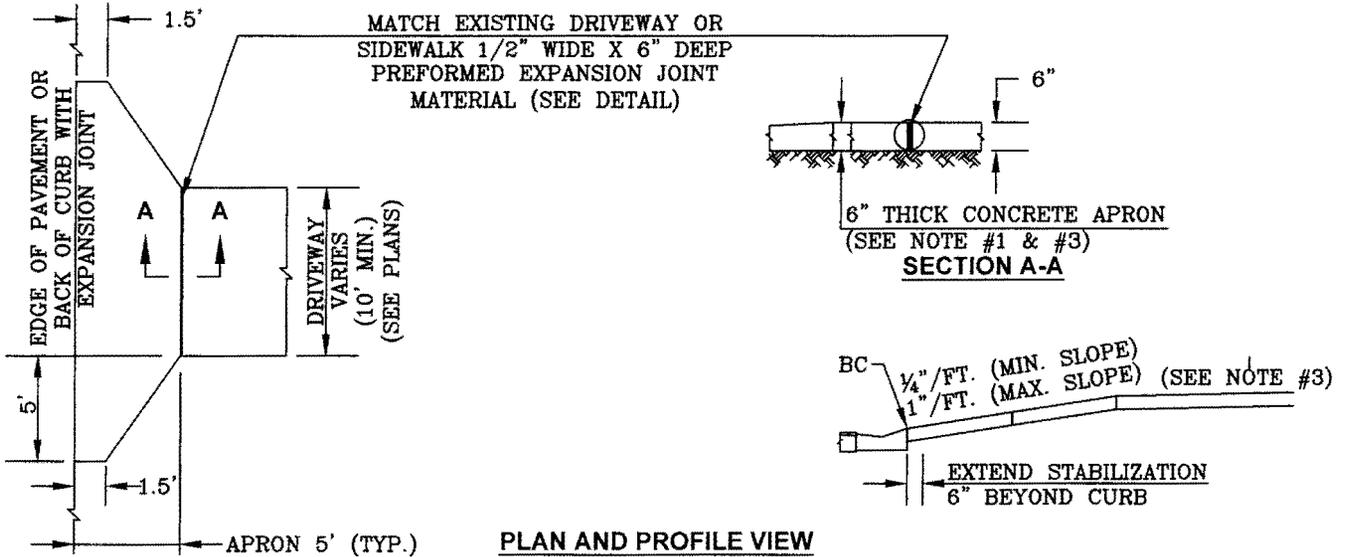


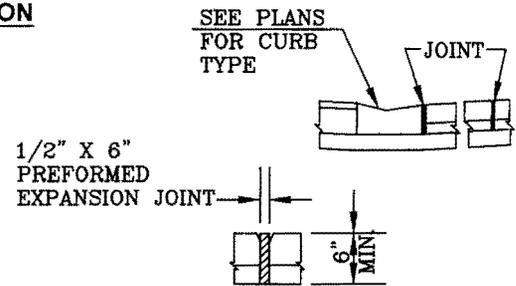
**NOTES:**

1. CONCRETE DRIVEWAY APRONS AND SIDEWALK CROSSINGS SHALL BE CONSTRUCTED OF CONCRETE PAVEMENT (3000 PSI), 6" THICK REINFORCED WITH 6" X 6" #10/#10 WELDED WIRE FABRIC, (2" MINIMUM COVER FROM THE BOTTOM.)
2. FIBER REINFORCED CONCRETE 3000 PSI (MIN.) MAY BE USED IN PLACE OF THE REQUIREMENTS OF NO. 1 ABOVE.
3. CONSTRUCTION OF APRON/DRIVEWAY CROSS SLOPES AND SIDEWALK CROSS SLOPE THROUGH THE DRIVEWAY SHALL COMPLY WITH F.D.O.T. INDEX NO. 515 FOR ADA REQUIREMENTS.
4. REMOVE TREE ROOTS WITHIN 10" OF PROPOSED GRADE.
5. WHEN THERE IS EXISTING SIDEWALK CROSSING THE PROPOSED DRIVEWAY, IT MUST BE REMOVED TO THE NEAREST JOINT BEYOND THE DRIVEWAY.
6. SIDEWALKS ADJACENT TO LOT PROPERTY LINES SHALL NOT HAVE A CROSS SLOPE GREATER THAN 2% PER F.D.O.T. INDEX 310.
7. CORNER LOTS INVOLVING HANDICAP RAMPS SHALL BE IN ACCORDANCE WITH F.D.O.T. INDEX 304 FOR SIDEWALK AND RAMP CONSTRUCTION.



(\* ) SEE FDOT INDEX No. 515 FOR DIMENSIONS

**TYPE "F" CURB DRIVEWAY APRON**



**JOINT DETAIL**

**PINELLAS COUNTY**

**CONCRETE DRIVEWAY APRON**

DETAIL INDEX I.D.:

1340

DATE:

FEB/2016

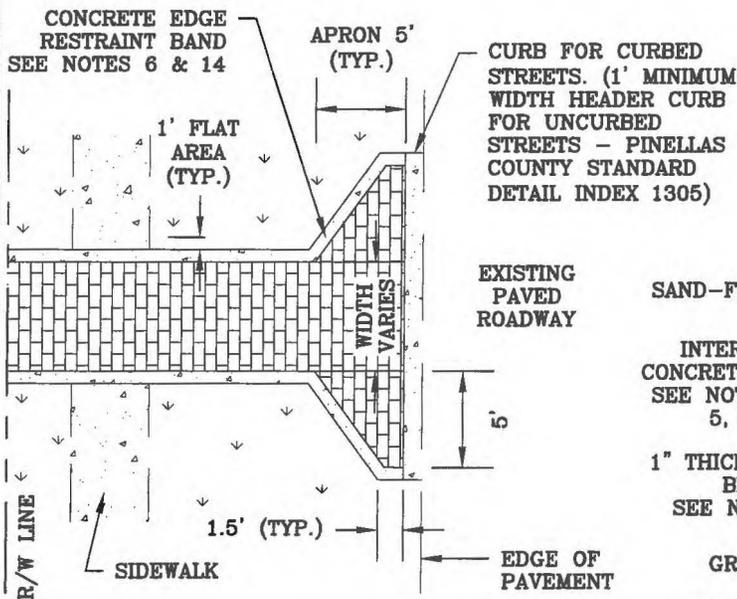
IVAN J. FERNANDEZ, P.E.

REVISION:

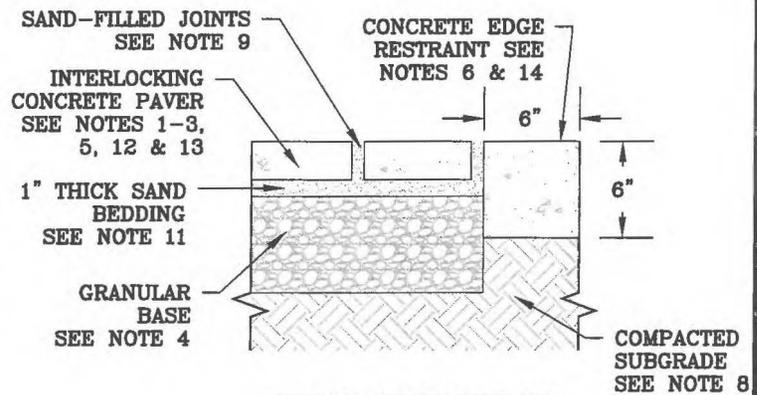
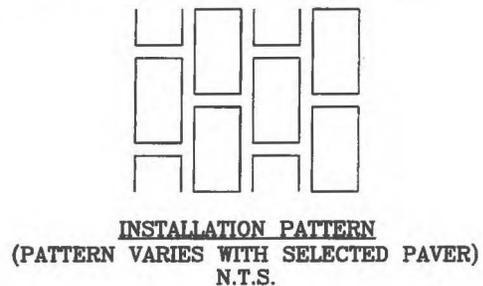
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**NOTES:**

1. Interlocking paving units shall generally be installed in accordance with manufacturer's requirements.
2. Minimum Paver Thickness: 2-3/8" (Concrete), 2-1/4" (Clay Brick).
3. Concrete Pavers to conform to ASTM C936. Clay Brick Pavers to conform to ASTM C902.
4. Granular Base shall be in accordance with manufacturer's requirements (6" min.). Granular base shall be Limerock (LBR 100) or Crushed Concrete (Graded Aggregate) compacted to at least 98% modified Proctor Density (ASTM D1557).
5. Coloring or dye shall be uniform throughout each concrete paver unit. Dipped or externally colored paver units are unacceptable.
6. Curb will need to be constructed along the roadway edge of pavement at the driveway. As an alternate, on streets without curbing, a minimum 12-inch width is acceptable (per Pinellas County Standard Details Index 1305). A minimum of 6-inch wide and 6-inch deep concrete edge restraint band is required along each side of the driveway to contain the architectural pavers, on top of soil compacted to 98% modified Proctor density (ASTM D1557). All concrete shall meet FDOT specifications for Class I Concrete.
7. Final finished surface shall be of uniform elevation or slope.
8. Subgrade shall be free of clay, organics, or other materials which will allow future settlement and compacted to 98% AASHTO T-180-57 or ASTM D1557.
9. Polymeric sand or other joint filling material, as approved by the County Engineer, shall be installed between pavers. Joint sand shall meet the grading requirements of ASTM C144 or CSA-A179. Bedding sand may be used for joint sand. Joint width shall not exceed 1/8".
10. The cross slope on any required pedestrian path crossing a driveway and/or drive apron cannot exceed 2%.
11. Sand Bedding material shall be a clean, non-plastic bedding and joint sand, free from deleterious or foreign matter, natural or manufactured from crushed rock, and shall meet the grading requirements of ASTM C33 or CSAA23.1-FA1. Do not use joint sand for bedding. Sand bedding should be placed to an even thickness of 1-inch. Do not use the sand to fill depressions in the granular base.
12. In accordance with the 2010 ADA (Americans with Disabilities Act) Standards for Accessible Design (403, 405, 406) the surface texture of pavers shall be vibration free with a limit of 1/4" or less rise not more than every 30 inches. Pavers shall be installed in a tight uniform configuration that provides a smooth surface for wheelchair users.
13. Pavers shall not impede drainage or result in any ponding of water. Existing drainage flows shall not be altered.
14. Alternate edge treatments may be submitted for approval to the county by the property owner.



**TYPICAL LAYOUT**  
N.T.S.



**TYPICAL CROSS SECTION**  
N.T.S.

**PINELLAS COUNTY**

RESIDENTIAL DRIVEWAY/SIDEWALK PAVER DETAIL

DETAIL INDEX I.D.:

1345

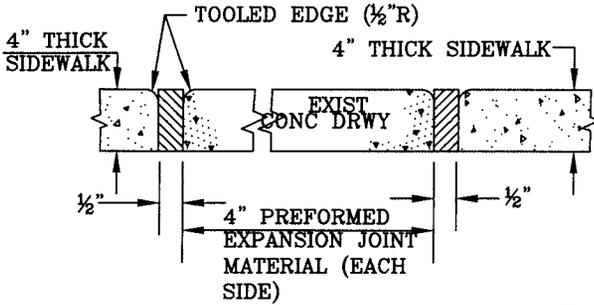
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REVISION: *[Signature]*  
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**NOTES:**

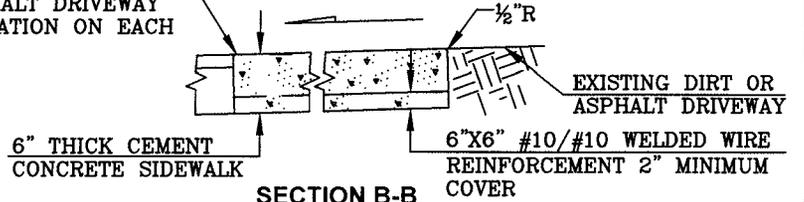
1. SEE PLANS FOR LIMITS OF SIDEWALKS AT ALL DRIVEWAYS.
2. PLACE 1/2" EXPANSION JOINT WHERE CONCRETE ABUTS CONCRETE CURBS, SIDEWALKS DRIVEWAYS.
3. SIDEWALK SHALL COMPLY WITH F.D.O.T. INDEX No. 515 AND PINELLAS COUNTY ORDINANCES. (SEE INDEX No. 1340)
4. REMOVE TREE ROOTS WITHIN 10" OF PROPOSED GRADE.
5. SIDEWALKS ALONG RURAL CROSS SECTION ROADWAYS WHERE VEHICLES CAN CROSS THE SIDEWALK SHALL BE 6" THICK.



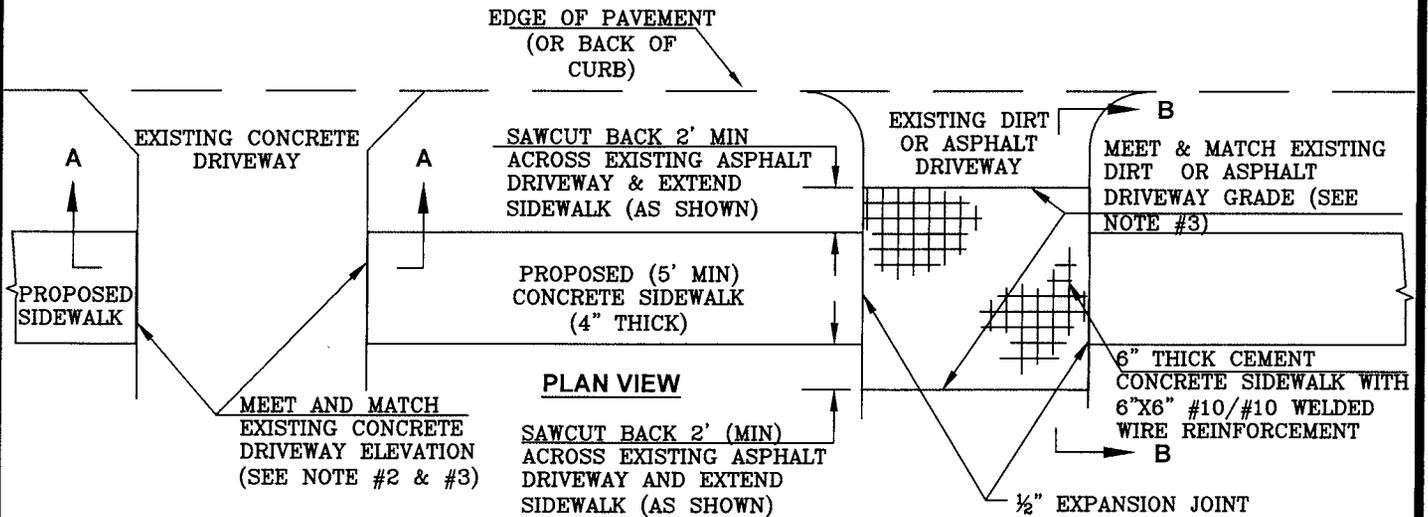
**SECTION A-A**

MEET AND MATCH EXISTING DIRT OR ASPHALT DRIVEWAY ELEVATION ON EACH SIDE

SLOPE TO MATCH EXISTING DRIVEWAY REFER TO F.D.O.T. INDEX No. 515 FOR ADA REQUIREMENTS IF SLOPE EXCEEDS 0.02'/FT



**SECTION B-B**



**PLAN VIEW**

**PINELLAS COUNTY**

**SIDEWALK THROUGH EXISTING DRIVEWAYS**

DETAIL INDEX I.D.:

1353

DATE:

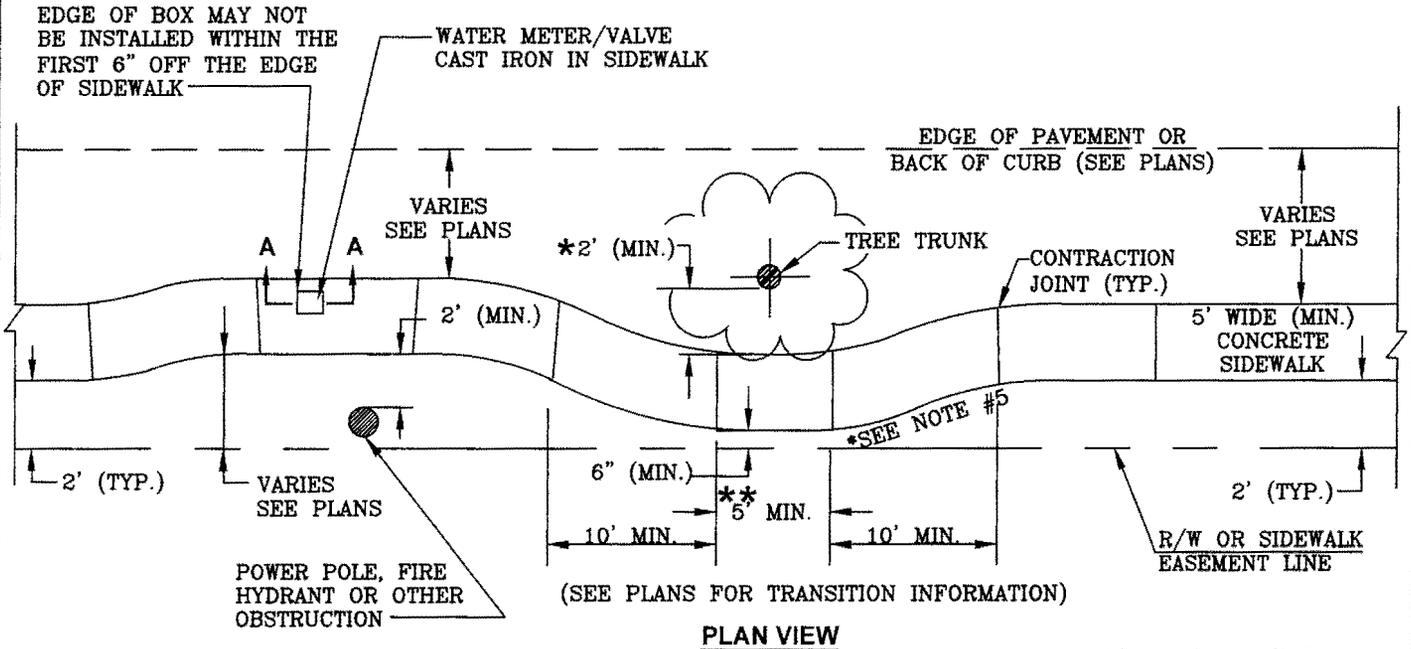
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REVISION:

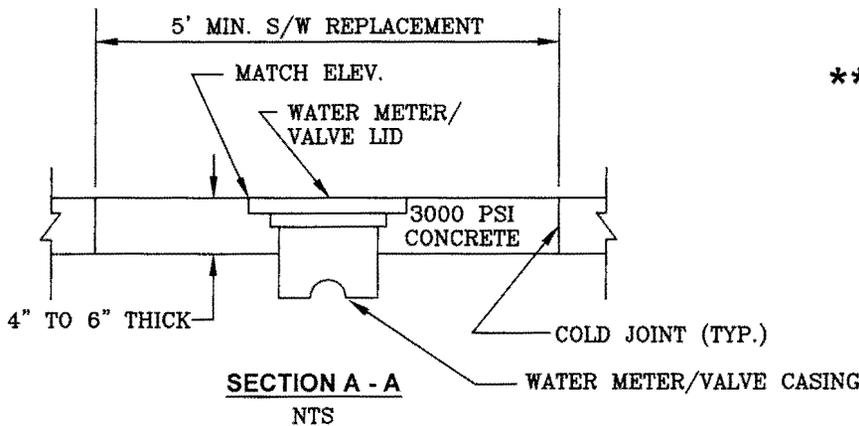
**NOTES:**

1. ADJUST SIDEWALK TO AVOID OBSTRUCTIONS, AS SHOWN, OR AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH F.D.O.T. MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION, AND MAINTENANCE FOR STREETS AND HIGHWAYS - LATEST EDITION ("FLORIDA GREEN BOOK").
2. CONSTRUCTION OF SIDEWALKS SHALL MEET ADA REQUIREMENTS AS SPECIFIED IN F.D.O.T. INDEX NOS. 515 AND 304.
3. POWER POLES SHALL BE MOVED WHEN POSSIBLE.
4. TREES SHALL BE PRUNED BY AN ISA CERTIFIED ARBORIST IN ACCORDANCE WITH ANSI-A300 GUIDELINES TO MAINTAIN VERTICAL CLEARANCE: 9 FT. FOR SIDEWALKS AND 18 FT. FOR ROADS.
5. MAXIMUM LATERAL DEFLECTION SHALL BE 5:1.
6. REMOVE TREE ROOTS WITHIN 10" OF PROPOSED GRADE.
7. CONTRACTION JOINTS SHALL MEET F.D.O.T. INDEX No. 310.
8. ANY NECESSARY PRUNING SHALL BE PERFORMED BY AN ISA CERTIFIED ARBORIST IN ACCORDANCE WITH ANIS-A300 STANDARDS.



\*THIS MINIMUM DIMENSION MAY NEED ADJUSTMENT BASED ON THE DIAMETER, HEALTH AND SPECIES OF THE TREE. ADJUSTMENTS REQUIRE PRE-APPROVAL OF THE COUNTY ENGINEER

\*\*CENTERED ON VERTICAL OBSTRUCTION- SIDEWALK SHALL BE 6" THICK ALONG THIS LENGTH (5'-0" MIN.)



**PINELLAS COUNTY**

**GUIDELINES FOR SIDEWALK ALIGNMENT**

DETAIL INDEX I.D.:

1357

DATE:

FEB/2016

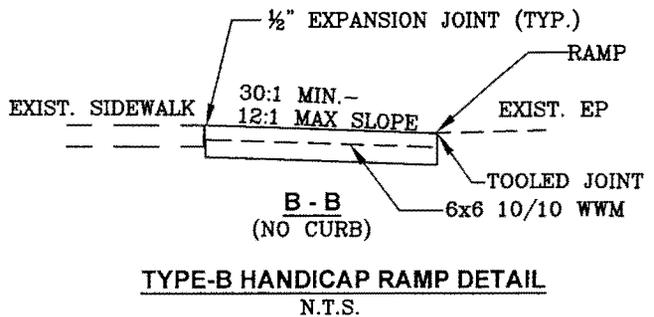
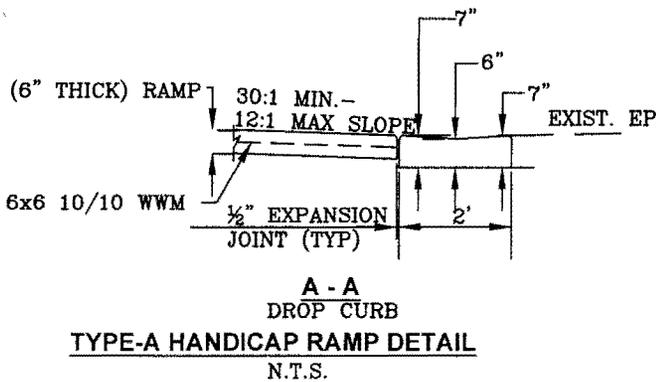
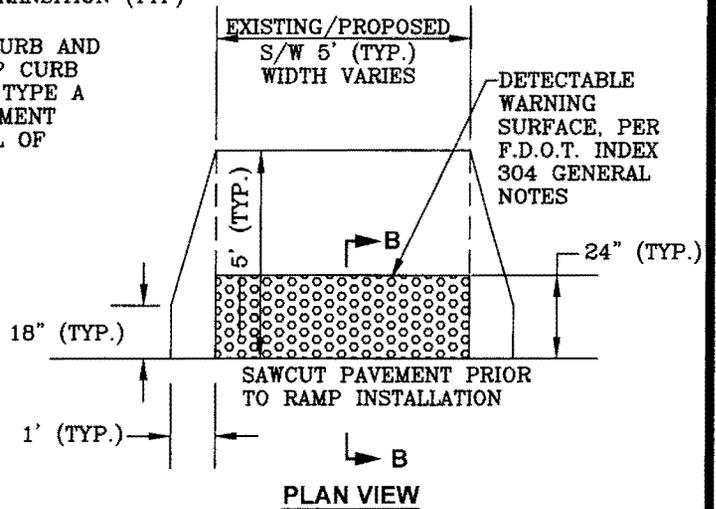
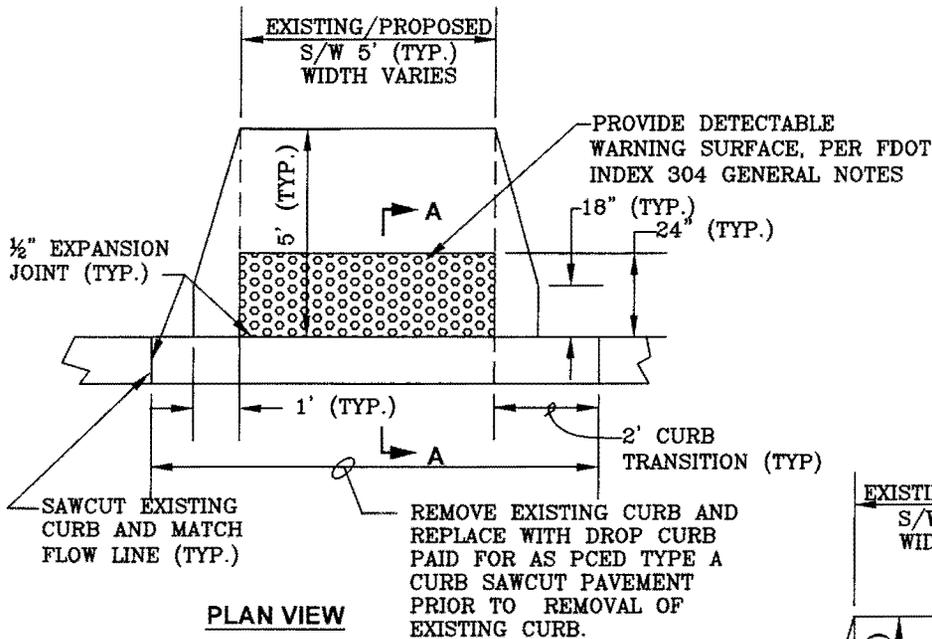
IVAN J. FERNANDEZ, P.E.

REVISION:

*Ivan Fernandez*

**NOTE:**

1. 6" THICK w/6x6 10/10 WWM REINFORCED CLASS I (3000 PSI) CONCRETE RAMP (TYP. FOR TYPE A & B).



**PINELLAS COUNTY**

**P.C.E.D. TYPE "A" AND "B"  
HANDICAP RAMP DETAIL**

DETAIL INDEX I.D.:

**1360**

DATE:

**FEB/2016**

IVAN J. FERNANDEZ, P.E.

*Ivan Fernandez*  
REVISION: