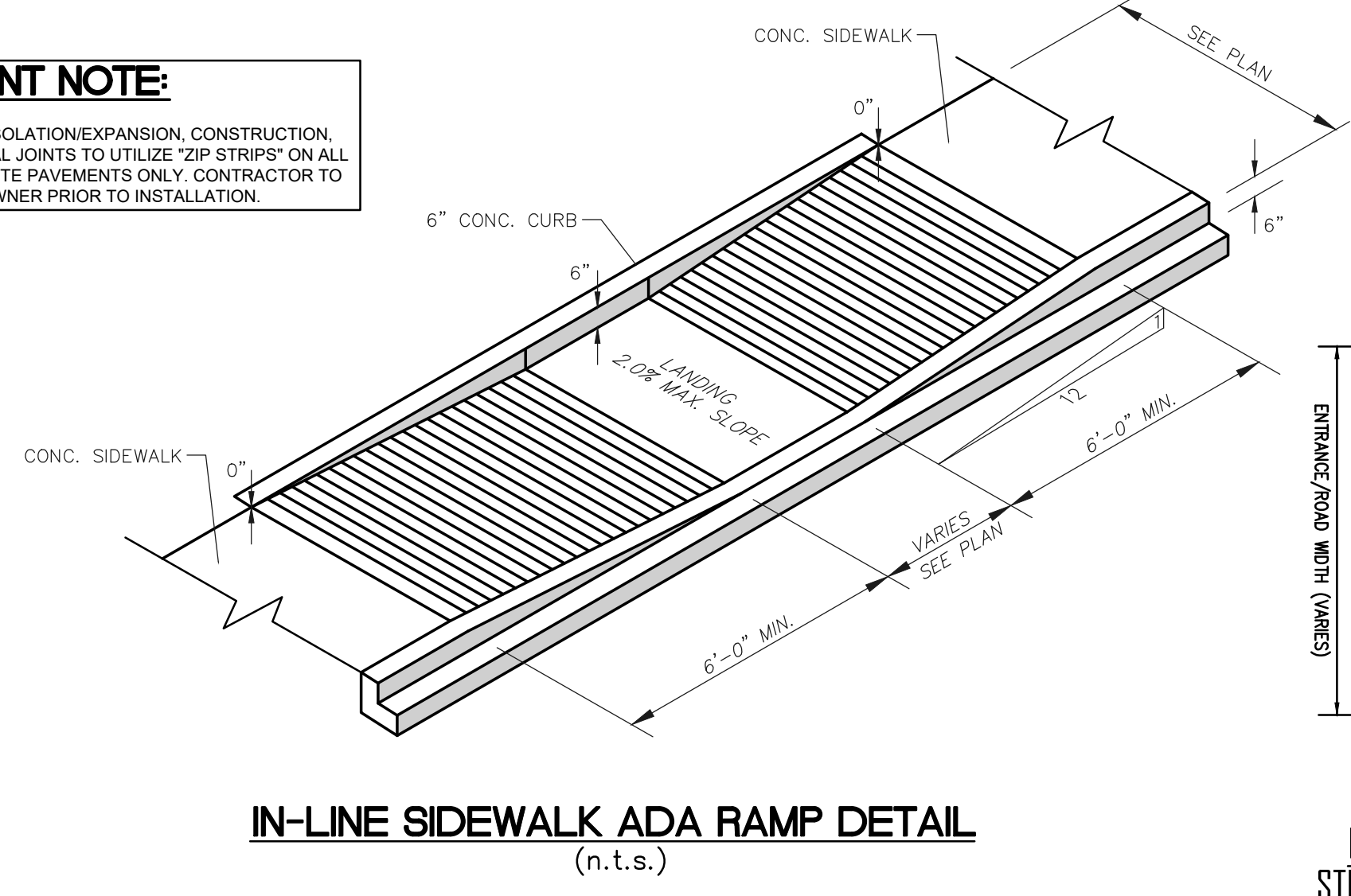
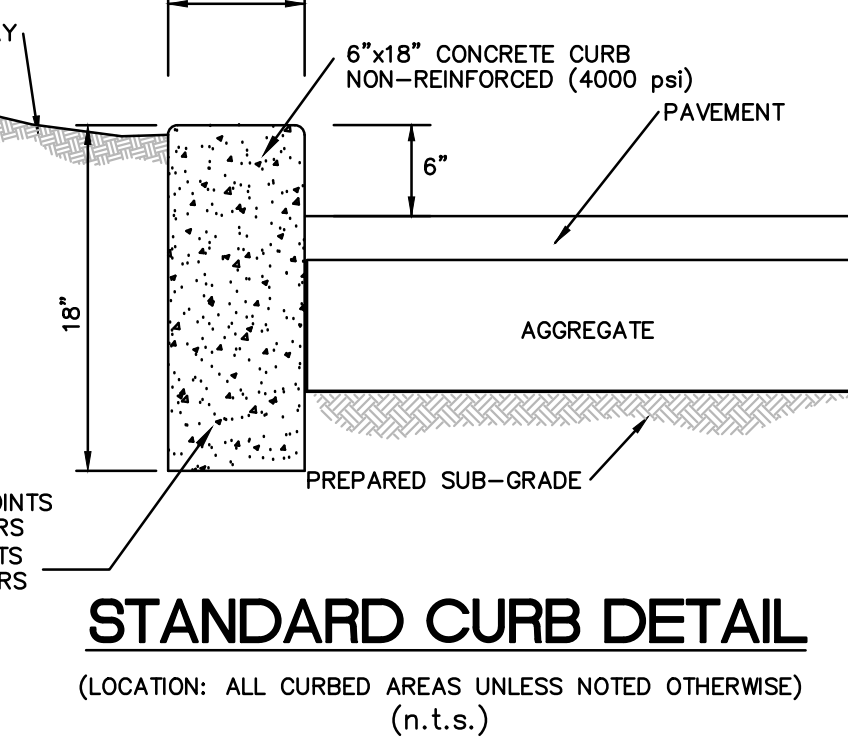


**JOINT NOTE:**  
 PER OWNER DIRECTION: ISOLATION/EXPANSION, CONTROL AND LONGITUDINAL JOINTS TO UTILIZE "ZIP STRIPS" ON ALL ON-SITE "PRIVATE" CONCRETE PAVEMENTS ONLY. CONTRACTOR TO CONFIRM WITH OWNER PRIOR TO INSTALLATION.

**DOMEL BARS - EPOXY COATED**

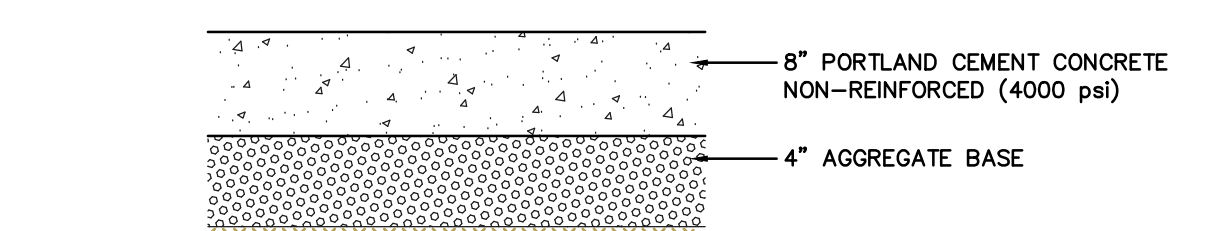
PAVEMENT THICKNESS	DIAMETER	LENGTH
7 INCHES	1 INCH	18 INCHES
8 INCHES	1 INCH	18 INCHES
9 INCHES	1-1/4 INCHES	18 INCHES
10 INCHES	1-1/4 INCHES	18 INCHES
11 INCHES or <	1-1/2 INCHES	18 INCHES

**JOINT NOTES:**  
 1. CONSTRUCTION JOINTS ARE REQUIRED BETWEEN ALL POURS SEPARATED BY MORE THAN 90 MINUTES TIME.  
 2. FIFTEEN FOOT (15) SPACING BETWEEN CONTROL JOINTS.  
 3. FILL JOINTS TO WITHIN 1/8" OF SURFACE WITH JOINT SEALER.  
 4. WHEN A JOINT FALLS WITHIN 5' OF A MANHOLE, LIGHT POLE BASE, OR OTHER STRUCTURE, SHORTEN ONE OR MORE PANELS ON EITHER SIDE OF STRUCTURE TO ALLOW CONTROL JOINTS TO FALL AT STRUCTURE.



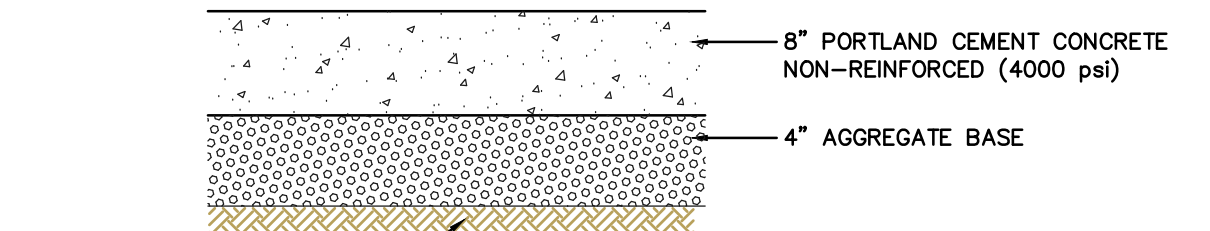
**PUBLIC CROSSWALK STRIPING TYPICAL DETAIL**  
 (n.t.s.)  
 FOR USE IN PUBLIC RIGHT OF WAY

**ON-SITE CROSSWALK STRIPING TYPICAL DETAIL**  
 (n.t.s.)  
 NOT FOR USE IN PUBLIC RIGHT OF WAY



**HEAVY DUTY CONCRETE PAVEMENT DETAIL**  
 (n.t.s.)  
 (LOCATION: ENTRANCE APRON WITHIN PUBLIC RIGHT-OF-WAY)

**ASPHALT PAVEMENT DETAIL**  
 (n.t.s.)  
 (NOT FOR USE IN CITY/COUNTY R/W)  
 (LOCATION: PARKING LOT)

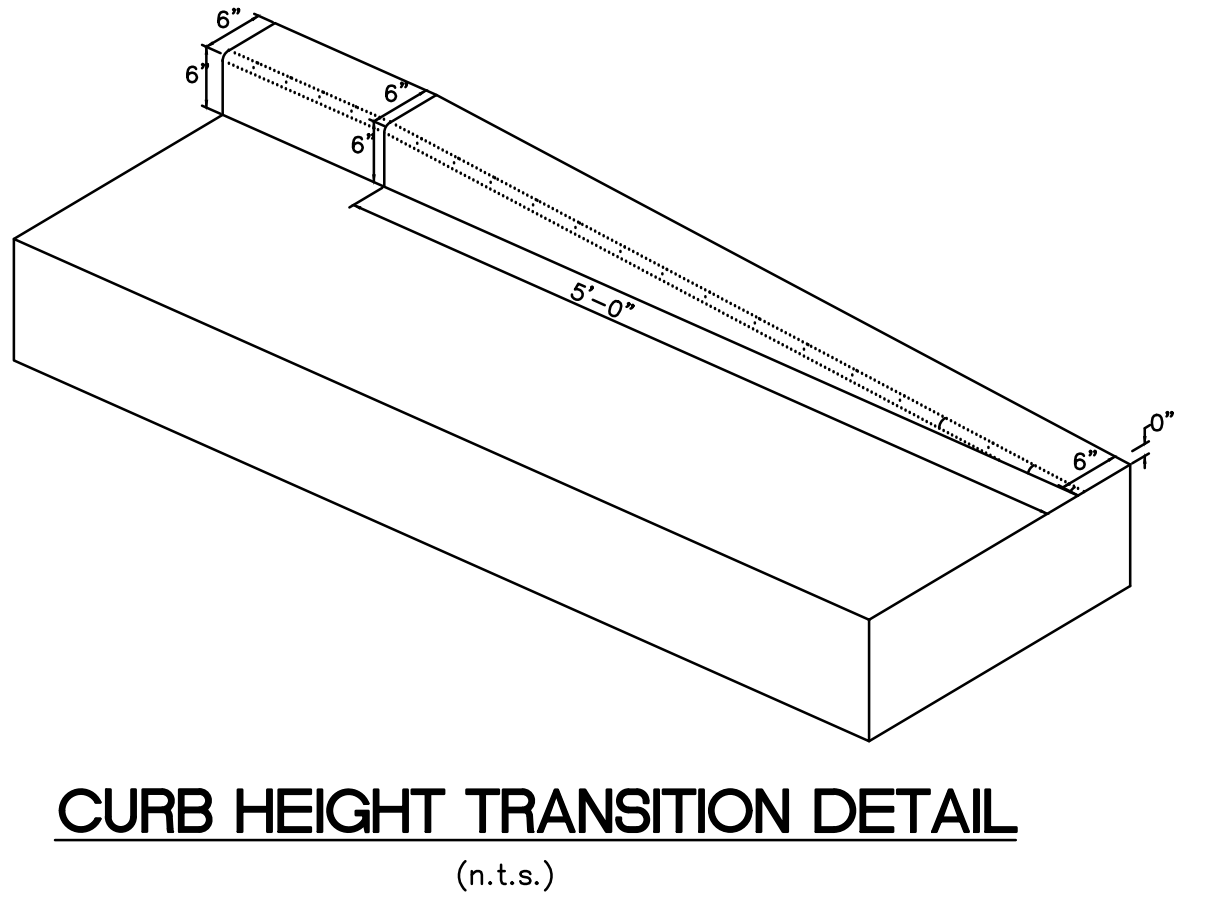


**TRASH ENCLOSURE CONCRETE PAVEMENT DETAIL**  
 (n.t.s.)  
 (LOCATION: TRASH ENCLOSURE - SEE PLAN)

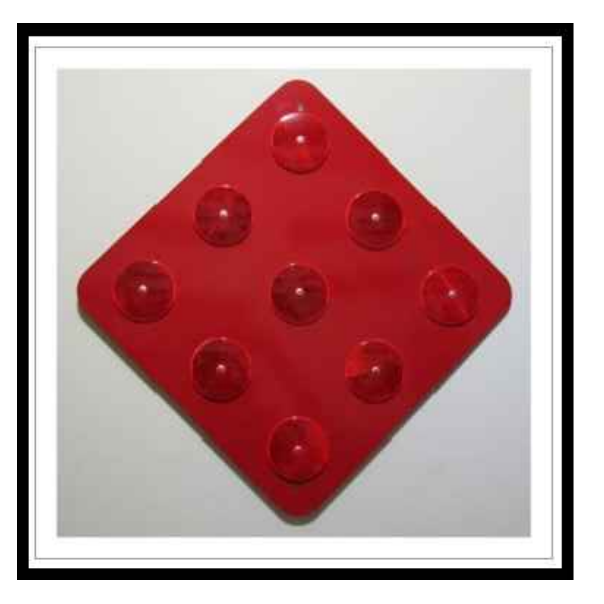
**MULTI-USE PATH PAVEMENT DETAIL**  
 (n.t.s.)  
 (NOT FOR USE IN CITY/COUNTY R/W)  
 (LOCATION: ON-SITE PATH)

- PAVEMENT NOTES**
- ALL MEANS AND METHODS OF CONCRETE AND ASPHALTIC CONCRETE SHALL BE IN ACCORDANCE WITH THE ST. CHARLES COUNTY STANDARD DETAILS AND SPECIFICATIONS, CURRENT EDITION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN CURRENT EDITIONS PRIOR TO CONSTRUCTION.
  - PAVEMENT SECTIONS ARE SUBJECT TO GEOTECHNICAL ENGINEER AND OWNER REVIEW AND APPROVAL. CONTRACTOR SHALL PROVIDE PAVEMENT SUBMITTAL TO GEOTECHNICAL ENGINEER FOR REVIEW & APPROVAL.
  - IT IS THE CONTRACTOR'S RESPONSIBILITY TO APPLY THE RECOMMENDATIONS SUPPLIED IN THE GEOTECHNICAL REPORT TITLED "147 TECHNOLOGY DRIVE, O'FALLON, MISSOURI DATED MAY, 2019 BY SO ENGINEERING, INC. (SOCI NO. 2012-03811, TASK 100) AND ALL ITS ASSOCIATED AND SUPPLEMENTAL PROVISIONS.
  - ALL EXPOSED CONCRETE EDGES TO BE CHAMFERED.
  - ALL NON-REINFORCED CONCRETE SHALL BE 4,000 PSI AT 28 DAYS.

PAVEMENT DETAILS ARE SUBJECT TO GEOTECHNICAL ENGINEER, OWNER AND CONTRACTOR VERIFICATION AND APPROVAL PRIOR TO CONSTRUCTION



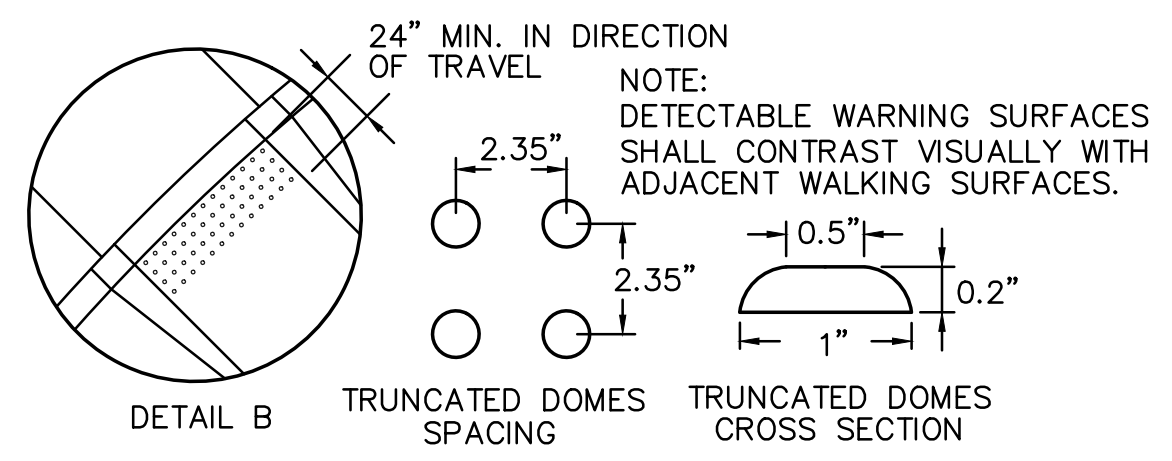
**CURB HEIGHT TRANSITION DETAIL**  
 (n.t.s.)



**RF-9 DELINEATOR SIGN DETAIL**  
 (n.t.s.)  
 (SEE PLAN FOR LOCATIONS)

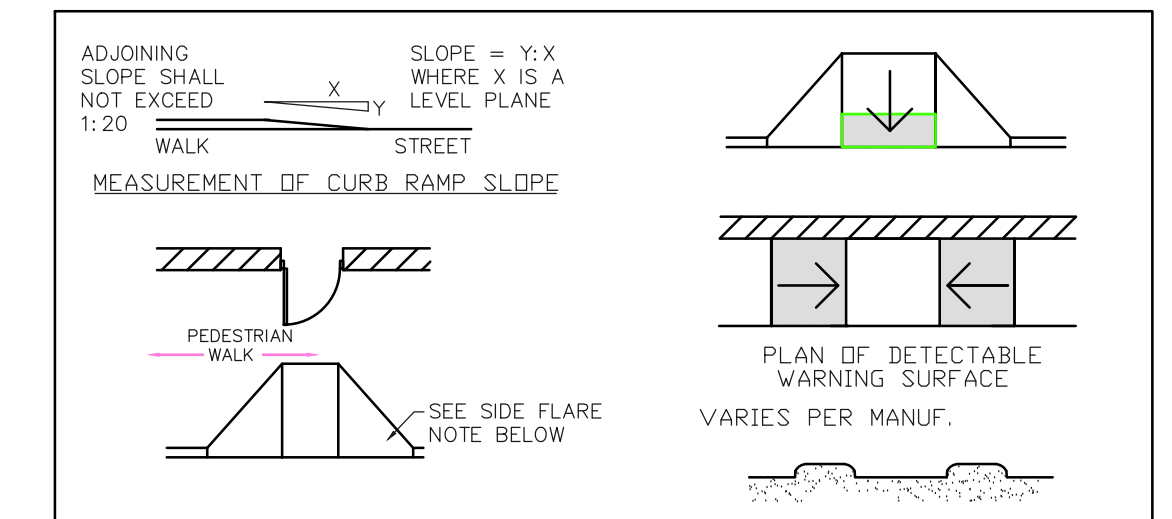


**NOT AN ACCESSIBLE ROUTE SIGN DETAIL**  
 (n.t.s.)  
 (SEE PLAN FOR LOCATIONS)



**DETECTABLE WARNING AT SIDEWALK RAMPS**  
 (n.t.s.)  
 (NOT FOR USE IN CITY/COUNTY/MODOT R/W)

- ADA NOTES**
- DO NOT SCALE DRAWING. FOLLOW DIMENSIONS.
  - SIDEWALKS AND SIDEWALK CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE DETAILS AND THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.
  - MINIMUM SIDEWALK WIDTH ALONG VERTICAL CURBS SHALL BE 6 FEET. MINIMUM SIDEWALK WIDTH ALONG 3" ROLLED CURBS SHALL BE 5 FEET.
  - MAXIMUM SIDEWALK CROSS SLOPE = 0.02 FT/FT.
  - ALL SIDEWALK SECTIONS SHALL BE 4" THICK, EXCEPT WHERE INDICATED OTHERWISE BY SHADED PORTIONS SHOWN ON DETAILS. ALL SIDEWALK SECTIONS AND CURB RAMPS, REGARDLESS OF THICKNESS, SHALL BE PAID FOR AS "CONCRETE SIDEWALK".
  - WHERE CURB RAMP MEETS PAVEMENT, BULLDOZE WILL NOT BE PERMITTED.
  - IF INTEGRAL CURB IS CONSTRUCTED, STRIKE A DUMMY JOINT ACROSS BOTTOM OF RAMP AT CURB LINE. IF CONCRETE CURB IS DOVELOPED ON, BLOCK OUT PAVEMENT TO PROVIDE FULL DEPTH CURB ACROSS RAMP FROM OUTER POINT OF CURB TAPER TO OUTER POINT OF CURB TAPER.
  - FOR SIDEWALK LOCATIONS ON CUL-DE-SACS, REFER TO "PAVEMENT CONSTRUCTION DETAILS".
  - CONSTRUCT A DIAGONAL RAMP WHEN THE MAXIMUM CURB RADIUS ALLOWED FOR A STRAIGHT RAMP IS EXCEEDED.
  - FOR PAVEMENT LONGITUDINAL AND TRANSVERSE JOINTS AND DOMEL AND BAR REQUIREMENTS AND DIMENSIONS, REFER TO THE PAVEMENT CONSTRUCTION DETAILS FOR "JOINTS AND CURBS".
  - FOR ROADWAY CROSS SLOPES, PAVEMENT TYPES, AND THICKNESSES, REFER TO "STANDARD TYPICAL SECTION".
  - THE INTERSECTION OF TWO SIDEWALKS OR THE INTERSECTION OF A SIDEWALK AND A DRIVEWAY MAY SERVE AS A WHEELCHAIR PASSING SPACE ON SIDEWALKS LESS THAN 6 FEET WIDE.



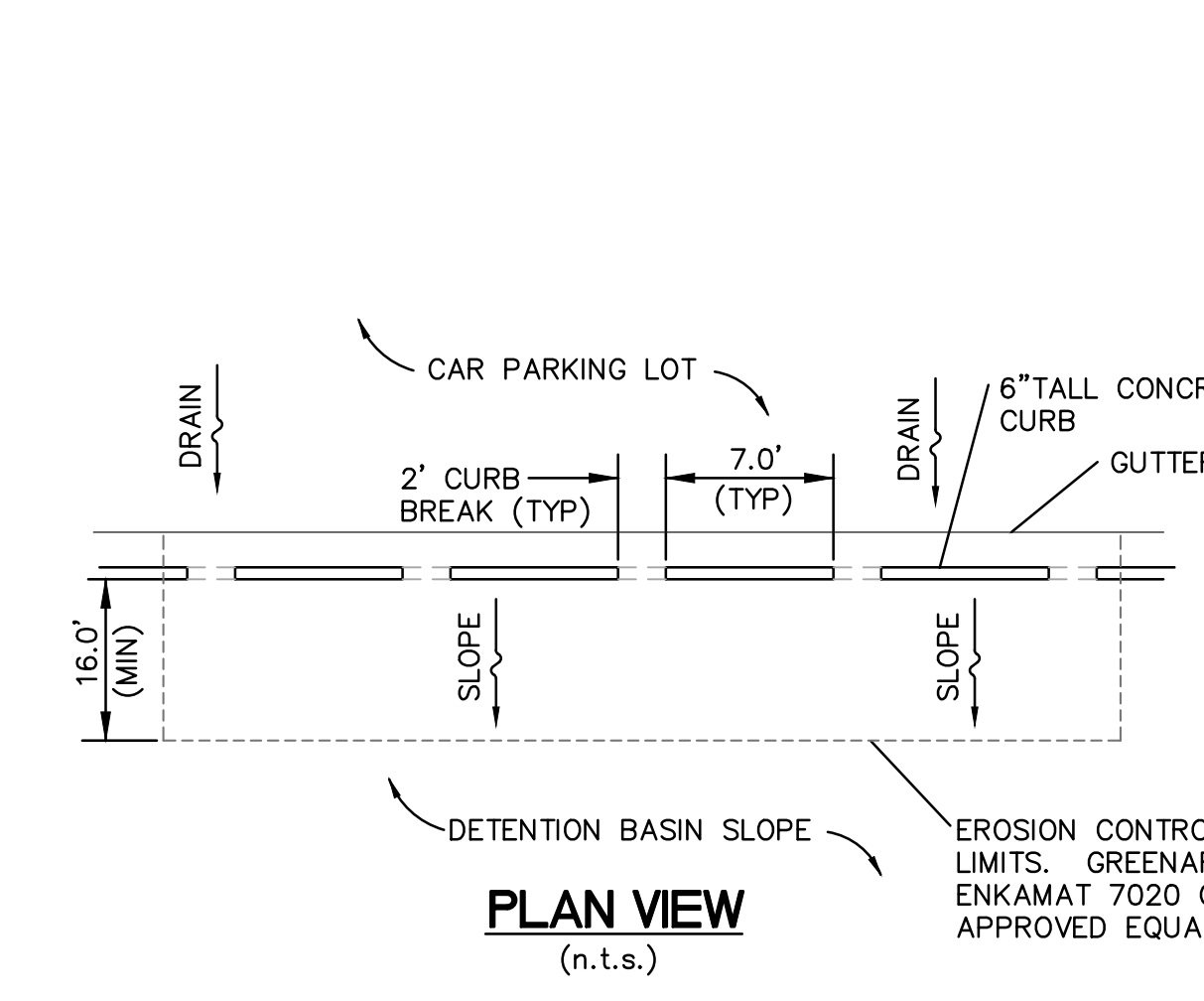
**HANDICAP RAMP DETAILS**  
 (n.t.s.)  
 (NOT FOR USE IN CITY R/W)

**ADA RAMP NOTES**

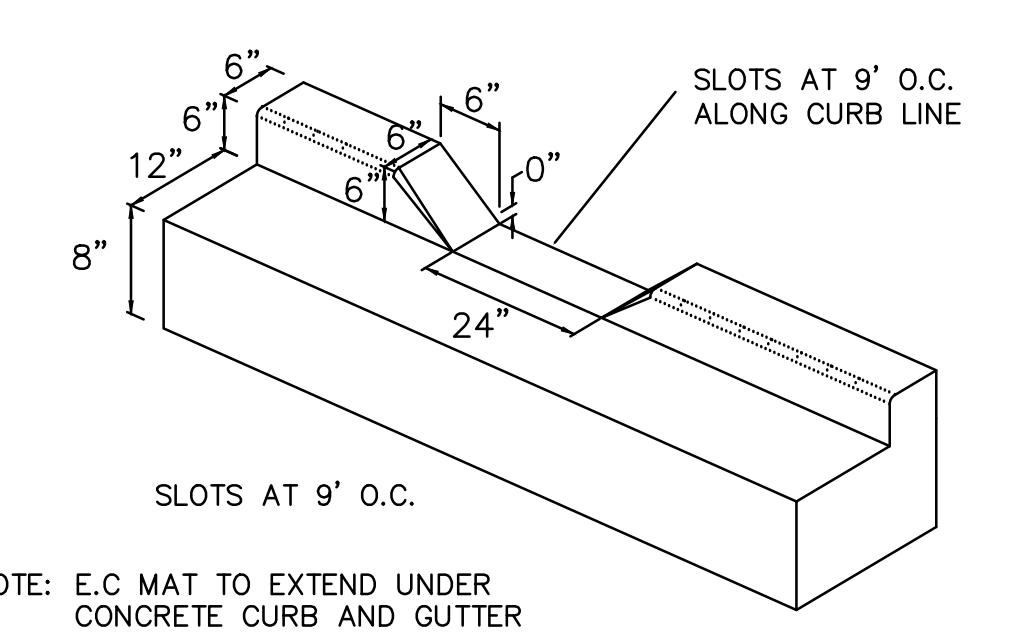
- ALL ADA RAMPS IN PUBLIC RIGHT-OF-WAY TO INCLUDE TRUNCATED DOMES PER CITY OF O'FALLON STANDARDS AND SPECIFICATIONS.
- ALL PRIVATE ADA RAMPS ON-SITE TO INCLUDE "RIBBED" CONCRETE PER OWNER DIRECTION.

**NOTE:**  
 2,500 psi, PRE-CAST, AIR ENTRAINED CONCRETE, 6" H x 9" W x 7" L, CENTERED ON PARKING STALL. PROVIDE CHAMFERED CORNERS AND DRAINAGE SLOTS ON THE UNDERSIDE. PROVIDE MFR. STANDARD CONCRETE ANCHORS OR #4 STEEL REINFORCING ROD STAKES OF SUFFICIENT LENGTH TO PENETRATE THE ROCK BASE PLUS 4", TWO PER WHEEL STOP.

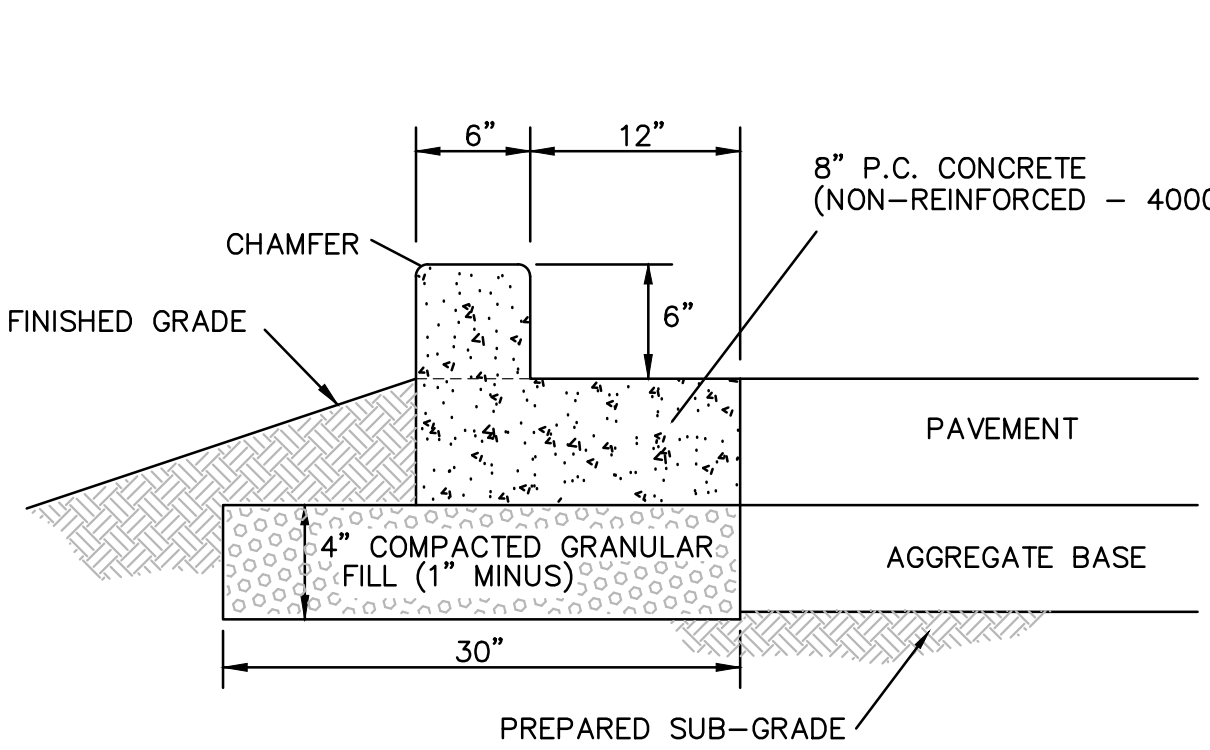
**PRECAST WHEEL STOP**  
 (n.t.s.)  
 FOR USE AT ADA PARKING STALLS - SEE PLAN FOR LOCATIONS



**SLOTTED CONC. CURB CORNER DETAIL**  
 (n.t.s.)



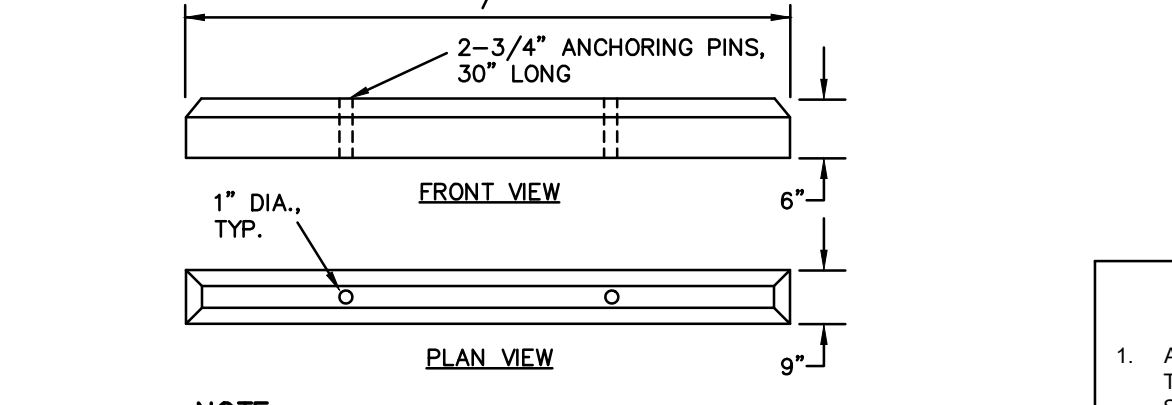
**SLOTTED CONC. CURB AND GUTTER DETAIL**  
 (n.t.s.)  
 FOR USE IN SHEET DRAIN AREAS OF CAR PARKING LOT  
 (NOT FOR USE IN CITY R/W)



**SLOTTED CONC. CURB AND GUTTER DETAIL**  
 (n.t.s.)  
 FOR USE IN SHEET DRAIN AREAS OF CAR PARKING LOT  
 (NOT FOR USE IN CITY R/W)

**UTILITY NOTE**  
 UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS AND INFORMATION, AND THEREFORE DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE FACILITIES, STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319 RSMo.

**STANDARD CONCRETE SLOTTED CURB DETAIL**  
 (n.t.s.)



**HANDICAP RAMP DETAILS**  
 (n.t.s.)  
 (NOT FOR USE IN CITY R/W)

**PRECAST WHEEL STOP**  
 (n.t.s.)  
 FOR USE AT ADA PARKING STALLS - SEE PLAN FOR LOCATIONS

**ADA RAMP NOTES**

- ALL ADA RAMPS IN PUBLIC RIGHT-OF-WAY TO INCLUDE TRUNCATED DOMES PER CITY OF O'FALLON STANDARDS AND SPECIFICATIONS.
- ALL PRIVATE ADA RAMPS ON-SITE TO INCLUDE "RIBBED" CONCRETE PER OWNER DIRECTION.

**REVISIONS:**

NO.	DATE	DESCRIPTION
1	01/16/2020	60% PRINTING
2	01/16/2020	PERMIT SET
3	02/25/2020	REVISED PER OWNER / CITY UTILITY COMMENTS
4	04/17/2020	ADDENDUM A

PREPARED BY: **STOCK & ASSOCIATES** Consulting Engineers, Inc.  
 257 Chesterfield Business Parkway  
 St. Louis, MO 63105 PH: (636) 500-9300 FAX: (636) 530-9300  
 e-mail: general@stockassoc.com Web: www.stockassoc.com

SITE IMPROVEMENT PLANS FOR: **WATERMARK APARTMENTS AT O'FALLON**  
 CRUSHER ROAD & WELDON SPRING ROAD  
 CITY OF O'FALLON, ST. CHARLES COUNTY, MISSOURI 63366

STATE OF MISSOURI  
 GEORGE MICHAEL STOCK  
 MEMBER  
 PE-25116  
 04/17/2020  
 GEORGE M. STOCK E-25116  
 CIVIL ENGINEER  
 CERTIFICATE OF AUTHORITY  
 NUMBER: 02099

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DRAWN BY: G.M.S. CHECKED BY: G.M.S.  
 DATE: 01/16/2019 JOB NO: 219-6494

SHEET TITLE: **CONSTRUCTION DETAILS**  
 SHEET NO.: **C100**