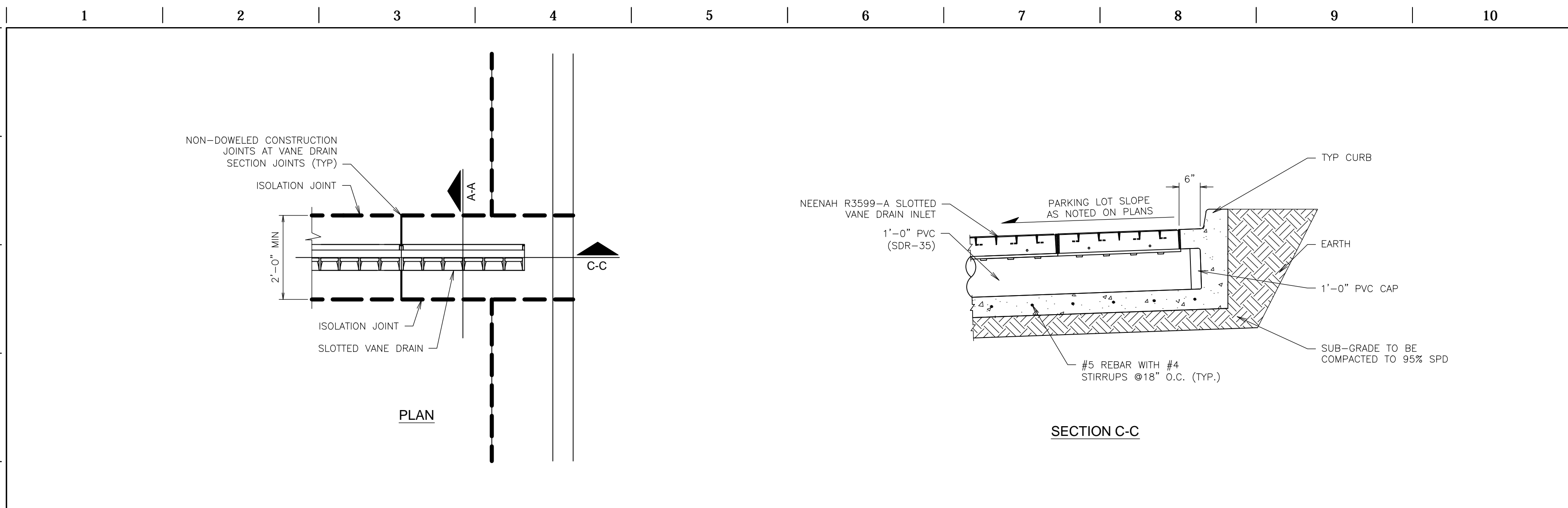
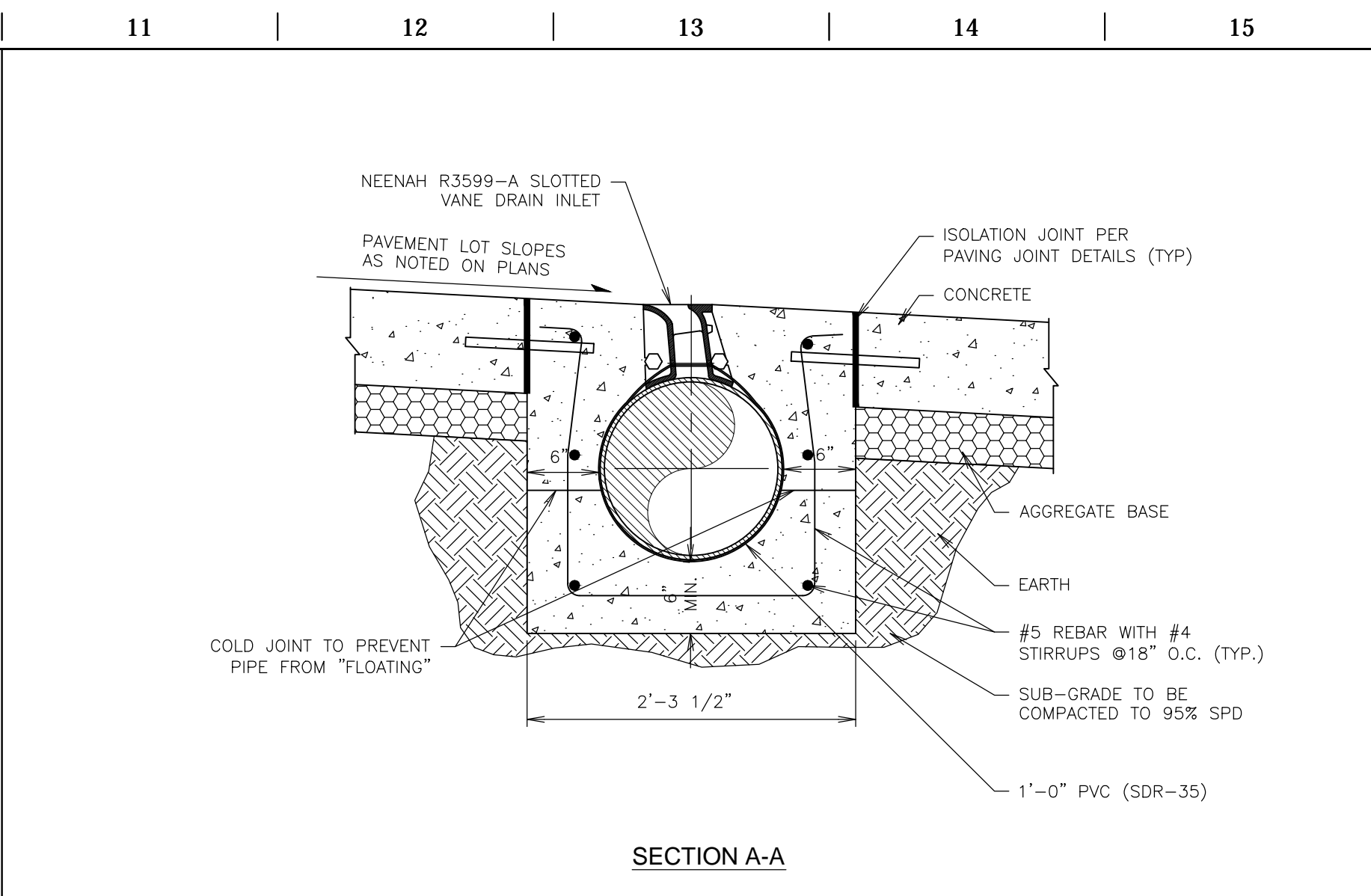


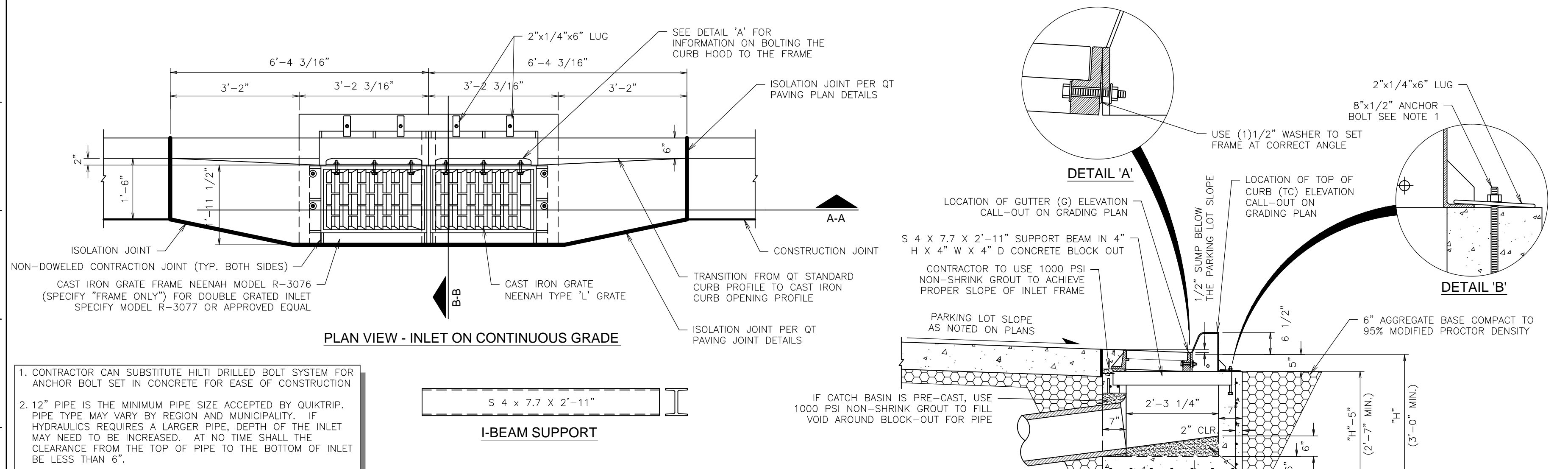
FILE LOCATION: \\K:\141029 - QuikTrip #0643 Mexico and Highway K\Civil\06-0643 DETAILS DRAINAGE\Sheet 2 USER:rkf\ydr SANED:10/14/2015 6:46 AM PLOTTED:12/18/2015 8:07 AM



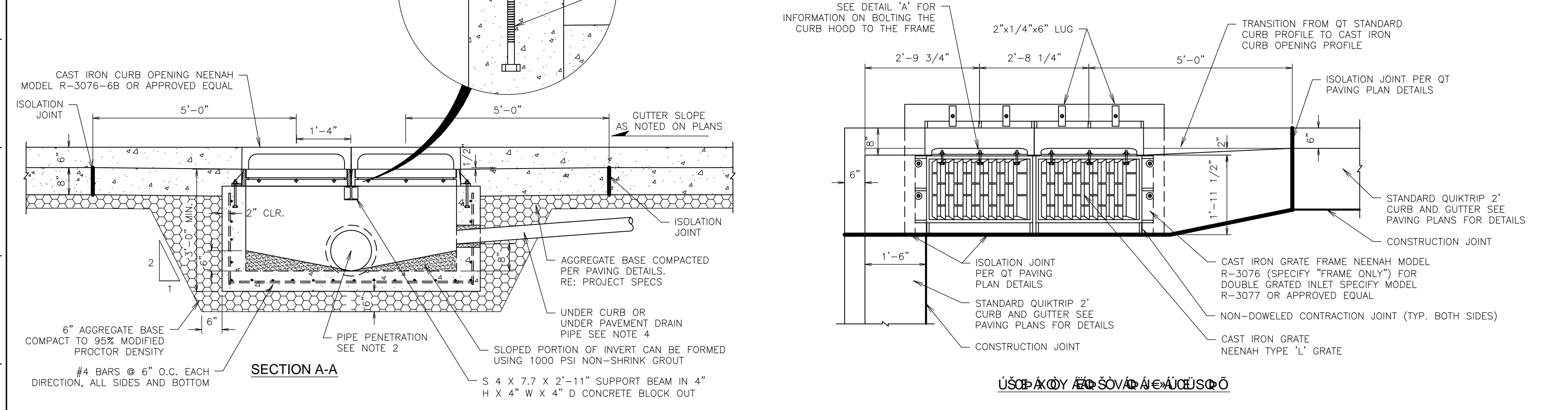
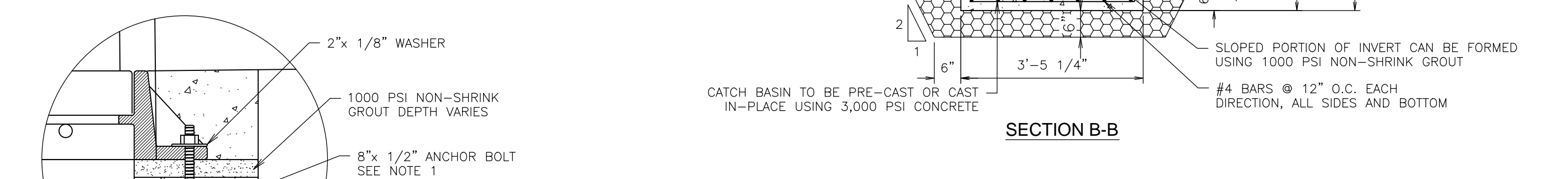
**L1** SLOTTED VANE DRAIN INSTALLATION DETAIL  
NTS SN: DD005A004



**L11** SLOTTED VANE DRAIN INSTALLATION CROSS SECTION "A-A"  
NTS SN: DD006A005



1. CONTRACTOR CAN SUBSTITUTE HILTI DRILLED BOLT SYSTEM FOR ANCHOR BOLT SET IN CONCRETE FOR EASE OF CONSTRUCTION
2. 12" PIPE IS THE MINIMUM PIPE SIZE ACCEPTED BY QUIKTRIP. PIPE TYPE MAY VARY BY REGION AND MUNICIPALITY. IF HYDRAULICS REQUIRES A LARGER PIPE, DEPTH OF THE INLET MAY NEED TO BE INCREASED. AT NO TIME SHALL THE CLEARANCE FROM THE TOP OF PIPE TO THE BOTTOM OF INLET BE LESS THAN 6".
3. AT TIMES MORE THAN ONE PIPE MAY PENETRATE INTO A CATCH BASIN. WHEN THIS OCCURS THE OUTLET PIPE IS TO BE SET AT THE INVERT ELEVATION AND ALL OTHER PIPES ARE TO BE SET A MINIMUM OF 2" HIGHER. AT NO TIME SHALL THE CLEARANCE FROM THE TOP OF THE HIGHEST/LARGEST PIPE TO THE BOTTOM OF THE FRAME BE LESS THAN 6".
4. UNDER CURB AND UNDER PAVEMENT DRAIN DETAILS ARE SHOWN ON "DRAINAGE AND UTILITY TRENCH DETAILS" SHEETS" INCLUDED WITH THIS SET OF PLANS. THIS DOES NOT APPLY TO THE ARIZONA DIVISION.



**A1** CATCH BASIN INLET DETAIL (DOUBLE)  
NTS SN: DD001B008



**F11** NOT USED  
NTS SN:



**A11** NOT USED  
NTS SN:

**PROJECT NO.:** 141029  
**NAME:** MICHAEL J. VELLOFF  
**LICENSE NUMBER:** E-2000161862  
**DISCIPLINE:** CIVIL  
**CORPORATION AUTHORITY NUMBER:** 00184

THE SEAL OF MICHAEL J. VELLOFF ON THIS DRAWING APPLIES ONLY TO THE CIVIL/SITE ENGINEERING SHOWN. IT DOES NOT APPLY, NOR IS ANY RESPONSIBILITY TAKEN FOR ENVIRONMENTAL, GEOTECHNICAL (INCLUDING BUT NOT LIMITED TO SLOPE STABILITY), STRUCTURAL, HVAC, PLUMBING, ELECTRICAL, FIRE PROTECTION, TRAFFIC ENGINEERING, SURVEYING (BOUNDARY AND TOPOGRAPHIC), OR ARCHITECTURAL (BUILDING OR LANDSCAPE).

**QuikTrip No. 0643S**  
 8601 Mexico Road  
 O'Fallon, Missouri 63366

Y. 70104 - 1103-010-07010401040104  
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PROTOTYPE: P-83	DIVISION: 06
VERSION: 001	DESIGNED BY: RKF
DRAWN BY: RKF	REVIEWED BY: MJV

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 07-24-15

**SHEET TITLE:**  
DRAINAGE DETAILS

**SHEET NUMBER:**  
C541