

EMBEDMENT CLASS "B-2", "B-3", & "B-4"
N.T.S.

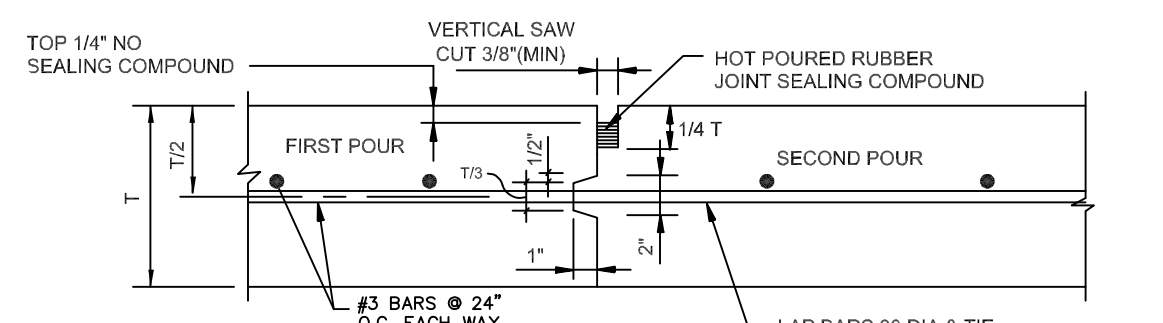
NOTES:
 1. Bc= OUTSIDE DIAMETER OF PIPE.
 2. Bd= TRENCH WIDTH.
 3. MIN. EMBEDMENT PLACEMENT TO BE MEASURED FROM EDGE OF PIPE BELL.
 TRENCH WIDTH FOR WATER & WASTEWATER MAINS ARE LIMITED TO "Bd" AS CALCULATED BY THE FOLLOWING FORMULAS:
 FOR 12" DIAMETER PIPE AND SMALLER:
 MINIMUM - "Bd" (TRENCH WIDTH) = OUTSIDE DIAMETER OF PIPE PLUS 16" INCHES OF MINIMUM OD 24", WHICHEVER IS GREATER.
 MAXIMUM - "Bd" (TRENCH WIDTH) = SHALL NOT EXCEED 32".
 FOR PIPE DIAMETERS GREATER THAN 12" TO 24":
 "Bd" (TRENCH WIDTH) SHALL BE LIMITED TO OUTSIDE DIAMETER OF PIPE PLUS 16" INCHES.
 FOR PIPE DIAMETERS GREATER THAN 24" TO 72":
 "Bd" (TRENCH WIDTH) SHALL BE LIMITED TO OUTSIDE DIAMETER OF PIPE PLUS 24" INCHES.
 FOR PIPE DIAMETERS GREATER THAN 72":
 "Bd" (TRENCH WIDTH) SHALL BE LIMITED TO OUTSIDE DIAMETER OF PIPE TIMES (X) 1.25 PLUS 12" INCHES.

ACCESSIBILITY NOTES:

- ALL ACCESSIBLE PARKING AREAS, ROUTES, RAMPS, ETC. SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TEXAS ACCESSIBILITY STANDARDS (TAS).
- ALL SIDEWALK RAMPS AND/OR CURB RAMPS SHOWN SHALL HAVE A MAXIMUM VERTICAL RISE OF 6" WITH A MAXIMUM RUNNING SLOPE OF 1:12 (8.33%) AND BE CONSTRUCTED IN ACCORDANCE WITH TAS SECTIONS 4.7 AND 4.8.
- ALL ACCESSIBLE ROUTES (EXCEPT FOR THE SIDEWALK AND CURB RAMPS) SHALL HAVE A MAXIMUM RUNNING SLOPE OF 1:20 (5%) AND A MAXIMUM CROSS SLOPE OF 1:50 (2%).
- ALL ACCESSIBLE PARKING SPACES AND ISLES SHALL HAVE A MAXIMUM SLOPE IN ANY DIRECTION OF 1:50% (2%). REFER TO ARCHITECTURAL PLANS FOR DETAILS OF MARKINGS, SIGNS, ETC.
- SOME OF THE ACCESSIBILITY NOTES (1-4) MAY NOT BE APPLICABLE TO THE EXISTING WALKWAYS, WHEREVER THE EXISTING WALKWAY IS NOT GOING TO BE DEMOLISHED AND RECONSTRUCTED DUE TO THE CONSTRUCTION OF THE NEW DRIVEWAYS OR WALKWAYS.

GENERAL NOTES:

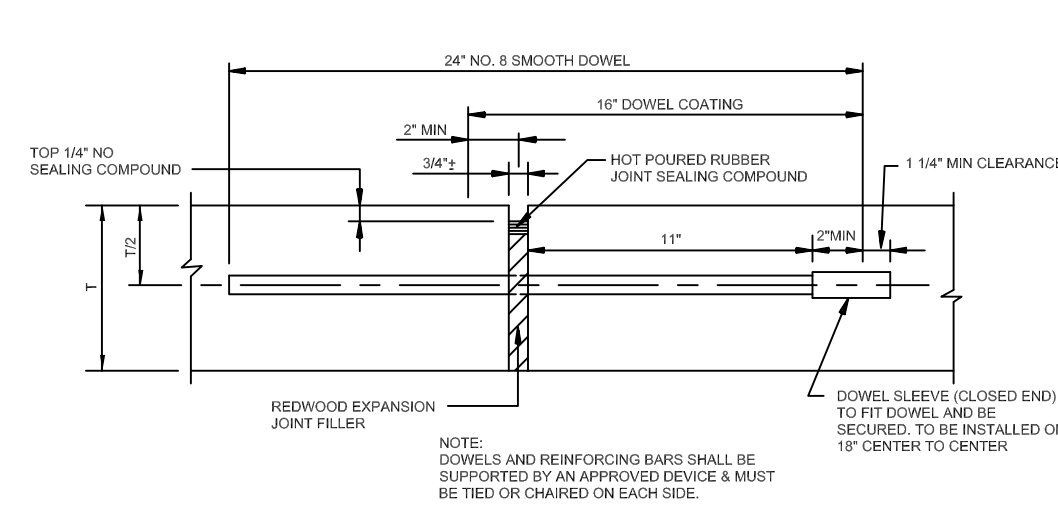
- ALL CONSTRUCTION SHALL BE DONE IN STRICT CONFORMANCE OF THESE PLANS AND ALL APPLICABLE MUNICIPAL CODES AND STANDARDS.
- A STREET CUT PERMIT, ISSUED BY THE APPROPRIATE ENGINEERING SERVICES DEPARTMENT, WILL BE REQUIRED BEFORE OPEN CUTTING OR BORING. FAILURE TO ACQUIRE THE PROPER PERMIT AND PERMISSION MAY RESULT IN FINE OF \$500 PER DAY TO THE CONTRACTOR DOING THE WORK.
- FIRELANE AND DUMPSTER AREA SHALL BE 8" CONCRETE PAVEMENT. ALL OTHER PAVEMENT MAY BE 6" CONCRETE PAVEMENT.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL MAKE CERTAIN THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF PERMITTING.
- THE CONTRACTOR SHALL MEET OSHA STANDARDS FOR TRENCH SAFETY.
- THE CONTRACTOR SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF ANY CONSTRUCTION. IN THE EVENT OF ANY CONFLICT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. MINOR ADJUSTMENTS OF FINISHED GRADES TO ACCOMPLISH SPOT DRAINAGE ARE ACCEPTABLE IF NECESSARY, UPON PRIOR APPROVAL OF THE ENGINEER.
- PRIOR TO PLACING FILL, THE SUBGRADE SHALL BE SCARIFIED TO A DEPTH OF SIX INCHES AND RECOMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR AT OR SLIGHTLY ABOVE THE MOISTURE CONTENT AS DETERMINED BY ASTM D-698. FILL MATERIAL SHALL BE PLACED IN SIX TO NINE INCH LIFTS AND COMPACTED IN A SIMILAR MANNER.
- PROVIDE A MINIMUM SLOPE OF 5% OVER A MINIMUM DISTANCE OF 5' AWAY FROM THE WALL PERIMETER.
- ALL CONSTRUCTION TO BE DONE IN STRICT ACCORDANCE TO THESE PLANS AND ALL APPLICABLE MUNICIPAL CODES AND STANDARDS.
- ALL DIMENSIONS SHOWN ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
- SEE ARCHITECTURAL PLANS FOR ALL BUILDING DIMENSIONS AND DETAILS.
- THE FIRE LANE SHALL BE MARKED WITH A SIX INCH RED STRIPE AND FOUR INCH WHITE LETTERS STATING "FIRE LANE NO PARKING" EVERY TEN TO TWENTY FIVE FEET ALONG THE ENTIRE LENGTH OF THE FIRE LANE. FIRE LANE MARKINGS SHALL BE ON THE VERTICAL SURFACE OF THE CURB WHEN A CURB IS PRESENT.
- FIRE LANE ACCESS MUST BE COMPLETE AND IN SERVICE PRIOR TO ANY CONSTRUCTION PROGRESSING ABOVE THE FOUNDATION. CONTACT FIRE DEPARTMENT/FIRE MARSHALL AT LEAST 48 HOURS IN ADVANCE TO ARRANGE FOR AN INSPECTION AS NECESSARY.
- ALL SITE LIGHTING TO BE IN ACCORDANCE WITH ALL CITY OF DALLAS STANDARDS AND SPECIFICATIONS.



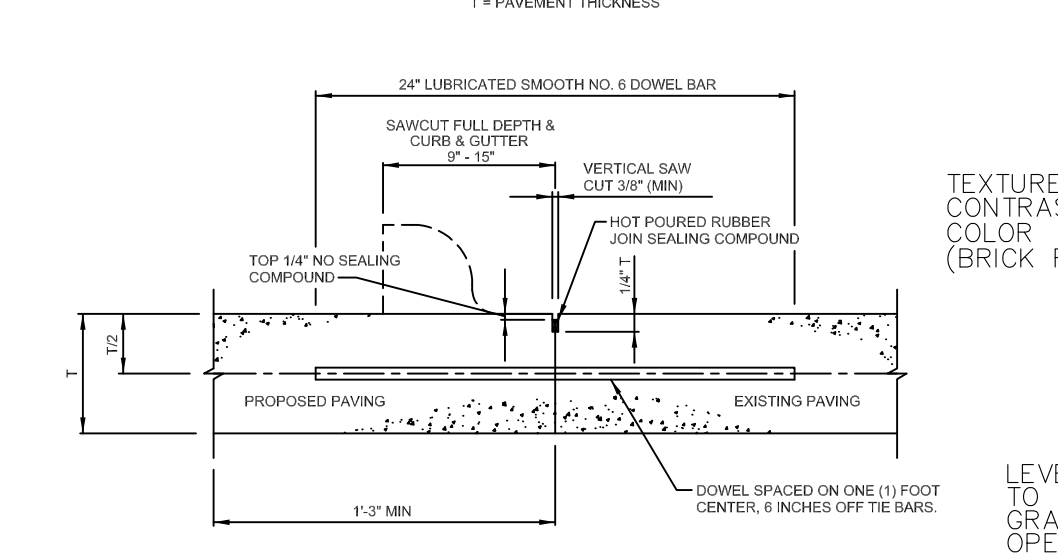
NOTE:
 CONTRACTOR SHALL PROTECT KEYWAY PRIOR TO SECOND POUR IF LONGITUDINAL KEYWAY IS DAMAGED, CONTRACTOR SHALL REPAIR WITH THE USE OF LONGITUDINAL BUTTE JOINT. DRILL AND GROUT DOWELS INTO FIRST POUR.

USE CITY STANDARD DETAILS FOR SIDEWALK, DRIVE APPROACH AND HANDICAPPED RAMP CONSTRUCTION.

PAVEMENT & CONSTRUCTION JOINT FOR PAVEMENT (TYPICAL SECTION) N.T.S.
TRANSVERSE AND LONGITUDINAL JOINTS

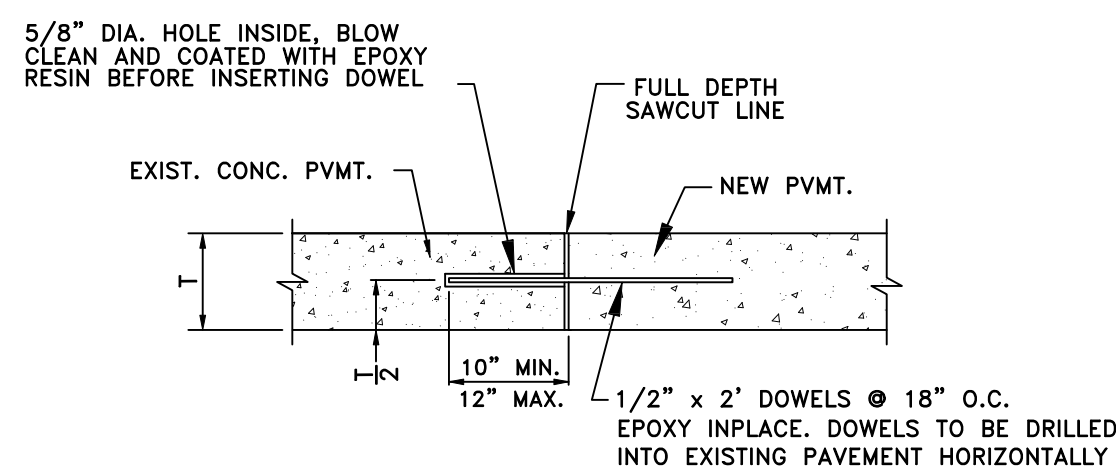


TRANSVERSE EXPANSION JOINT
 (SPACED 600 FT. MAXIMUM LOCATE AT INTERSECTIONS)
 T = PAVEMENT THICKNESS



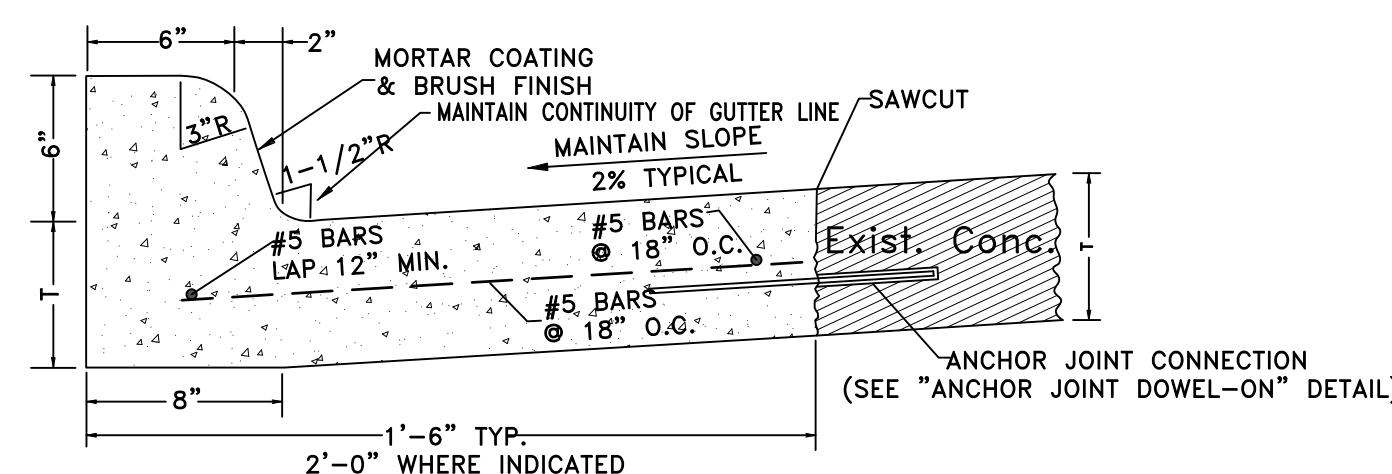
NOTES:
 1. NO. 5 SMOOTH DOWEL BAR MAY BE USED IN 5 INCH AND 8 INCH PAVEMENT THICKNESS.
 2. LONGITUDINAL BUTT CONSTRUCTION MAY BE UTILIZED IN PLACE OF LONGITUDINAL HINGED (SEE PLAN) JOINT AT CONTRACTOR'S OPTION.
 3. DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF ANCHORING RIG.
 4. DRILLING BY HAND IS NOT ACCEPTABLE. PUSHING DOWEL BARS INTO GREEN CONCRETE NOT ACCEPTABLE.

LONGITUDINAL BUTT JOINT



"ANCHOR JOINT" DOWEL-ON DETAIL
N.T.S.

STANDARD METHOD FOR JOINING NEW REINFORCED CONCRETE PAVEMENT TO EXISTING R. C. CONCRETE PAVEMENT



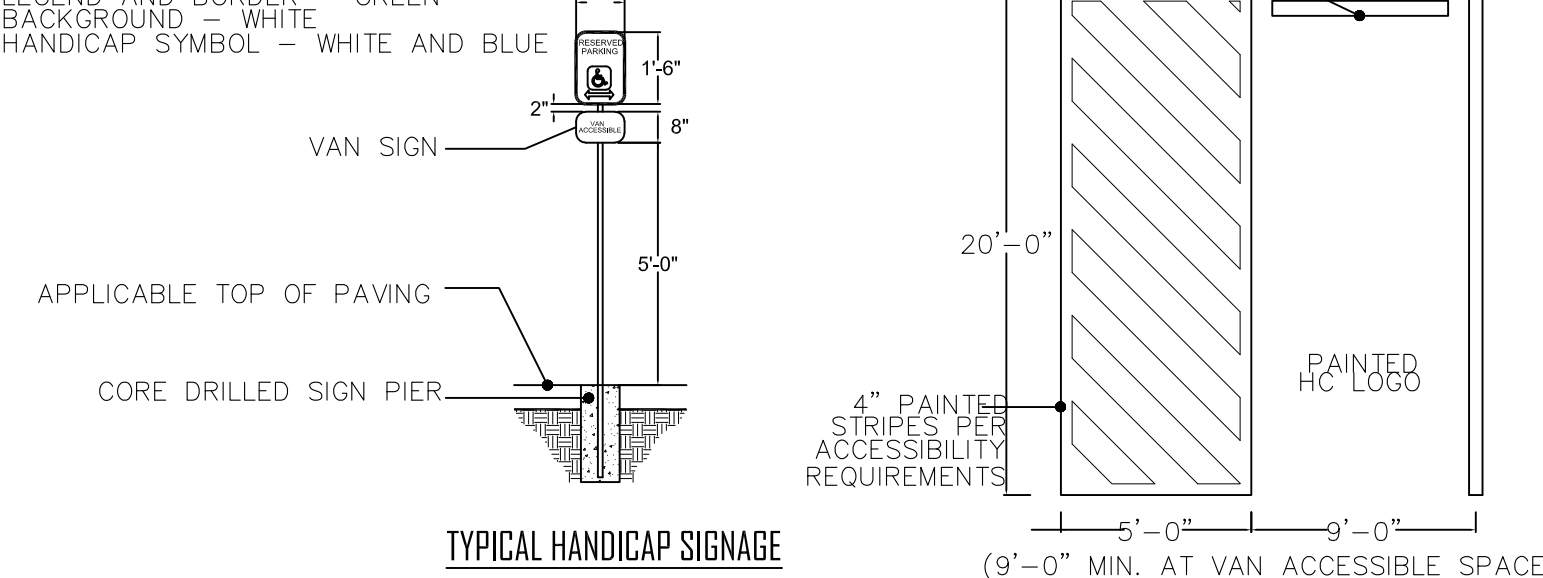
TYPICAL CROSS SECTION OF CURB AND GUTTER
N.T.S.

NOTE: T=6" UNLESS OTHERWISE SPECIFIED

TYPICAL ACCESSIBILITY MOUNTING SCHEDULE
N.T.S.

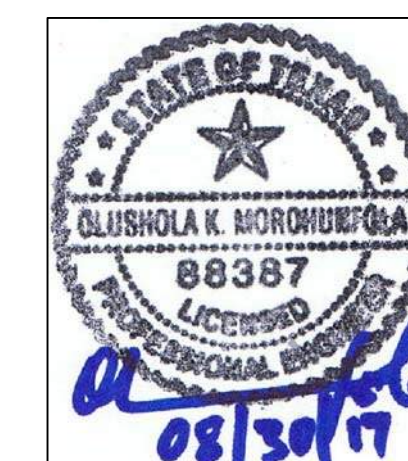
HANDICAP SIGN NOTES:

- VERIFY SIGN AND RQMTS. WITH CITY.
- USE SINGLE OR DOUBLE ARROW DEPENDING ON NUMBER OF REQUIRED SPACES.
- SIGN COLORS: LEGEND AND BORDER - GREEN BACKGROUND WHITE HANDICAP SYMBOL - WHITE AND BLUE



• ALL HANDICAP RAMPS TO MEET A.D.A. & T.A.S. REQUIREMENTS FOR SLOPE AND SURFACE FINISH REFER TO GENERAL ACCESSIBILITY NOTES.

TYPICAL HANDICAP SIGNAGE
N.T.S.



OWNER/APPLICANT NAME:
 LIZARDO OEMENO
 816 COURTLAND DRIVE
 MESQUITE, TX 75150
 (214) 475-5144

OKM ENGINEERING, INC.
 Geotechnical, Environmental & Civil Engineering Consultants
 (TBPE FIRM REG. #F-7241)
 112 S. Madison Avenue
 Dallas, Texas 75028
 Phone: (214) 941-9412
 Fax: (214) 941-9445

REVISIONS

Date	Description

Project Name & Address:
PROPOSED OFFICE (REAL ESTATE)
 1201 N. GOLIAD STREET
 LIZARDO OEMENO ADDITION
 LOT 1, BLOCK A
 ROCKWALL, TX 75087

Sheet Title:
PAVING & GENERAL STANDARD DETAILS

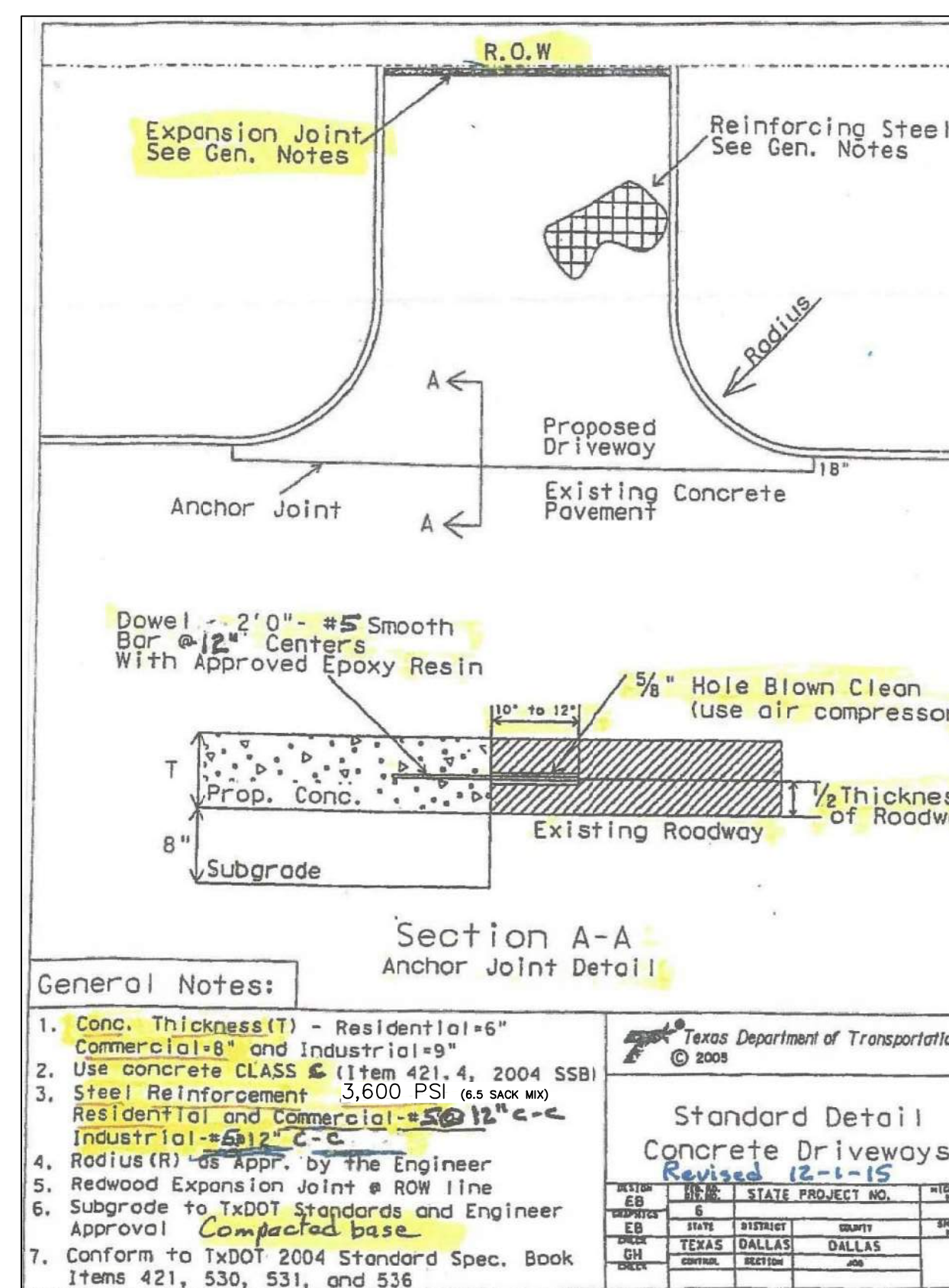
Date: AUGUST 30, 2017

Scale: N.T.S. **Sheet No.:**

OKM Project No.: 17-150

C-5

Owner's Project No.: N/A



General Notes:

- Conc. Thickness (T) - Residential=6" Commercial=8" and Industrial=9"
- Use concrete CLASS 5 (Item 421, 4, 2004 SSB)
- Steel Reinforcement - 3,600 PSI (as per 400 Residential and Commercial - 5012" C-C Industrial - 5012" C-C)
- Radius (R) - as Appr. by the Engineer
- Redwood Expansion Joint @ ROW line
- Subgrade to TxDOT Standards and Engineer Approval *Compacted base*
- Conform to TxDOT 2004 Standard Spec. Book Items 421, 530, 531, and 536

DATE	REV.	STATE PRODUCT NO.	BY	CHECKED

Standard Detail Concrete Driveways
 Revised 12-1-15

CASE #SP2016-033