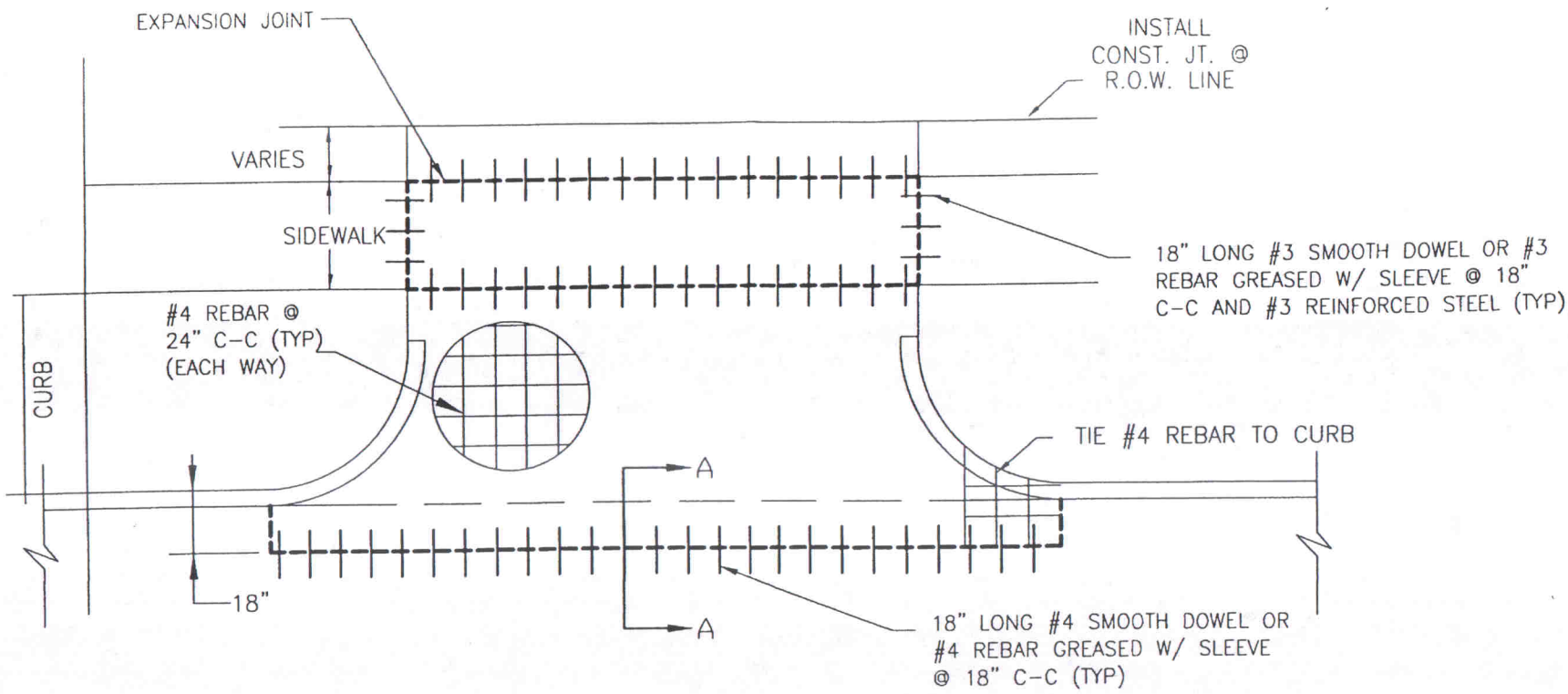
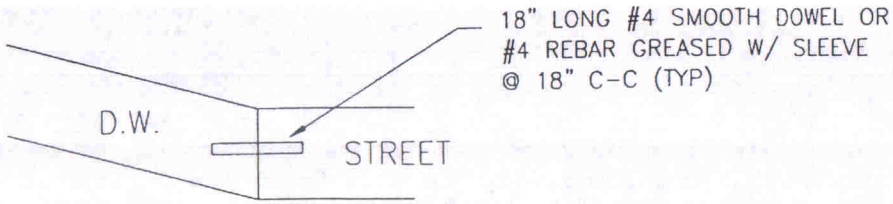
Sec. 7-2. Residential driveways.

Concrete driveways on single-family and duplex residential lots shall be constructed with a minimum thickness of four and one-half (4½) inches and be reinforced with a minimum of number three grade 60 deformed steel bar conforming to ASTM A615, spaced at eighteen (18) inches on center each way with a minimum of two-inch sand cushion. The concrete must be able to achieve a minimum compressive strength of three thousand (3,000) pounds per square inch in twenty-eight (28) days. Driveways shall include doweled expansion joints at maximum forty-foot spacing and contraction (crack control) joints at maximum twenty-foot spacing.

(Ord. No. 1130, § 3, 8-18-98)

TYPICAL RESIDENTIAL DRIVEWAY DETAIL



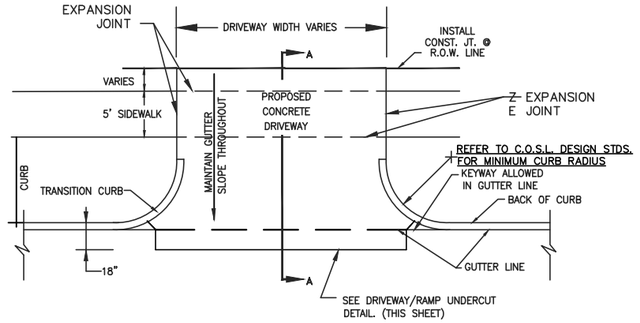


A-A

NOTES:

1. EXPANSION JOINTS SHALL HAVE $\frac{1}{2}$" OR $\frac{3}{4}$" REDWOOD OR ASPHALT FIBERBOARD AND REQUIRE NON-SHRINK SEALENT, HOT RUBBER OR APPROVED EQUAL
2. #3 REBAR @ 18" C-C MAY BE USED IN PLACE OF #4 REBAR @ 24" C-C FOR THE DRIVEWAY ITSELF

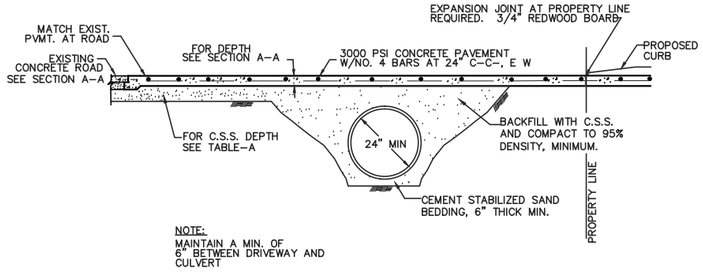
PLOT TIME:



6" CONCRETE CURB DRIVEWAY PLAN

N.T.S.

SL–ST–41



CONCRETE APRON DETAIL – DRIVEWAY PROFILE FOR CULVERT DRAINAGE

N.T.S.

SL–ST–42

SL–ST–49

NOTES:

1.) SAW CUT & BREAKOUT NO MORE THAN 72 HOURS PRIOR TO PROPOSED CONCRETE PLACEMENT. NOTIFY SUGAR LAND PRIOR TO CUT.

2.) UNSTABLE SUBGRADE SHALL BE OVER EXCAVATED & REPLACED WITH CONCRETE.

3.) IT IS CONTRACTOR'S RESPONSIBILITY TO NOTIFY SUGAR LAND OF ANY BIRD BATH PROBLEMS PRIOR TO CONSTRUCTION OF DRIVEWAY.

4.) USE 1"x2" TREATED REDWOOD FOR HEADER.

5.) EDGE ALL SIDES WITH EDGING TOOL AND BROOM FINISH

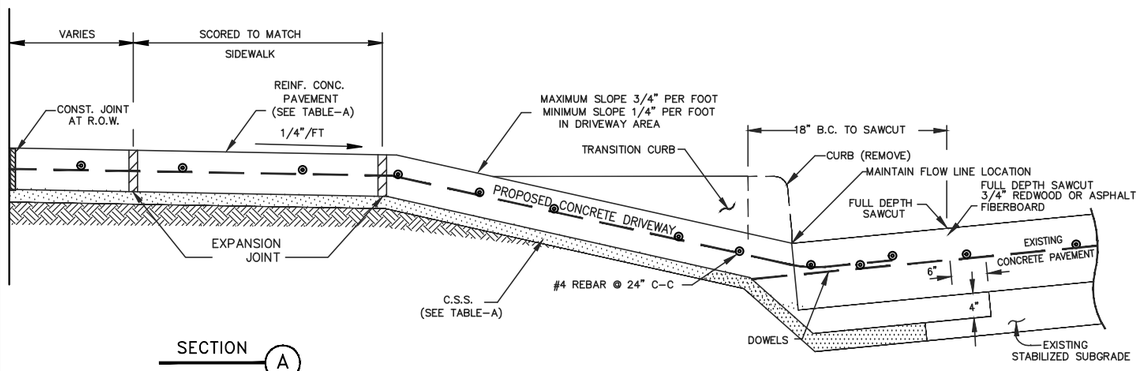
6.) FOR INDUSTRIAL DRIVES, PAVEMENT SHALL HAVE A DEPTH OF 8" (IN).

7.) EXPANSION JOINT AT PROPERTY LINE REQUIRED. 3/4" REDWOOD BOARD WITH No. 4 DOWELS MINIMUM.

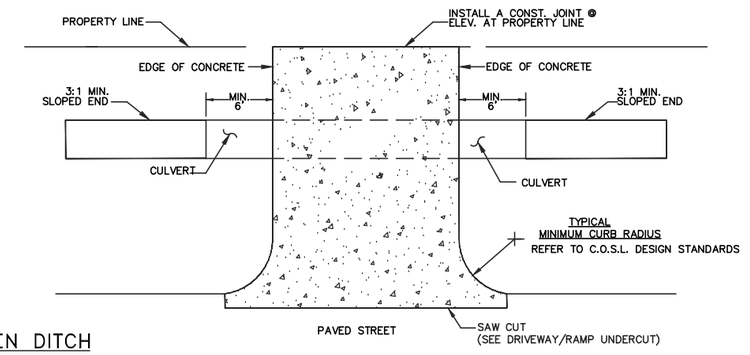
8.) MAXIMUM ALLOWABLE DRIVEWAY GRADE IN PULIC R.O.W. IS 5%.

9.) DRIVEWAY GRADE MUST MEET A.D.A AND T.A.S. SIDEWALK SLOPE, SIDEWALKS MUST BE SCORED TO MATCH ADJACENT SIDEWALK. IF SLOPE IS CONTINUED THROUGH THE R.O.W. LINE, PROVIDE A 3/4" REDWOOD EXPANSION JOINT WITH DOWELS AT R.O.W. LINE.

10.) REFER TO GENERAL , C.S.S., ASPHALT, AND CONCRETE PAVEMENT NOTES.



SL–ST–43



OPEN DITCH CONCRETE DRIVEWAY PLAN

(USED ONLY WHEN CONNECTING TO A CONCRETE ROADWAY)

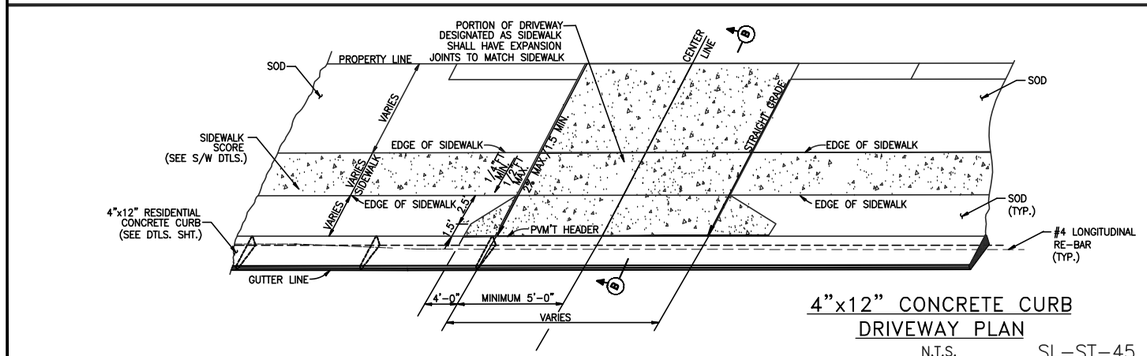
N.T.S.

SL–ST–44

TABLE–A

CEMENT STABILIZED SAND 2–SK/C.Y.	
RESIDENTIAL	4" MINIMUM
COMMERCIAL	6" MINIMUM
INDUSTRIAL	8" MINIMUM
REINFORCED CONCRETE PAVEMENT 3,000 PSI MIN	
RESIDENTIAL	4" MINIMUM
COMMERCIAL	6" MINIMUM
INDUSTRIAL	8" MINIMUM

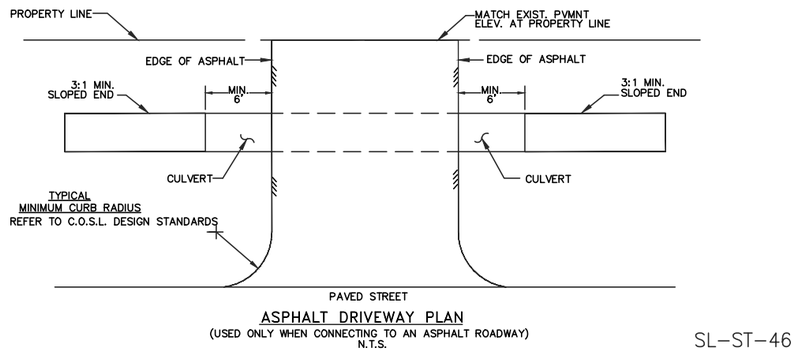
DRIVEWAY PAVEMENT CONSTRUCTION TABLE



4"x12" CONCRETE CURB DRIVEWAY PLAN

N.T.S.

SL–ST–45

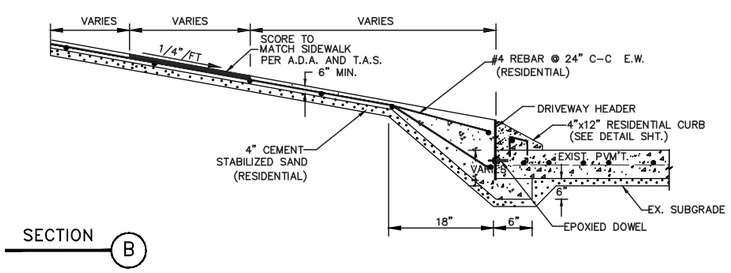


ASPHALT DRIVEWAY PLAN

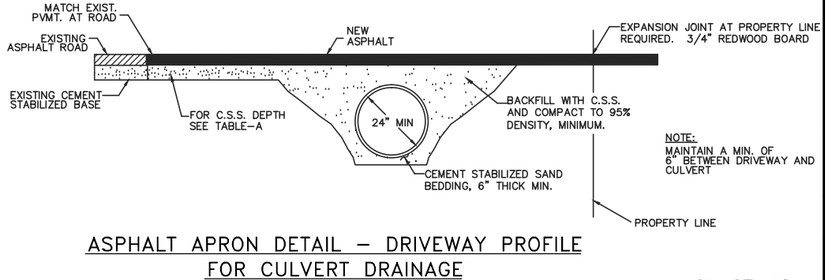
(USED ONLY WHEN CONNECTING TO AN ASPHALT ROADWAY)

N.T.S.

SL–ST–46



SL–ST–47



ASPHALT APRON DETAIL – DRIVEWAY PROFILE FOR CULVERT DRAINAGE

N.T.S.

SL–ST–48

No.	DATE	REVISION

SEAL:

DESIGN ENGINEER: _____ DATE _____

CITY OF SUGAR LAND, TEXAS
ENGINEERING DEPARTMENT

CONSTRUCTION PLANS FOR:

DRIVEWAY CONSTRUCTION DETAILS

JOB No.:
DATE:
DESIGNED BY:
DRAWN BY:
CHECKED BY:
SCALE:

SL–27

SHEET OF

CAD FILE PATH:
PLOT DATE: