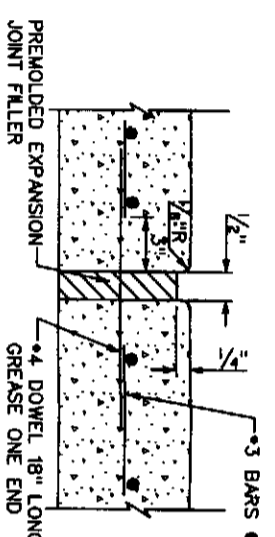


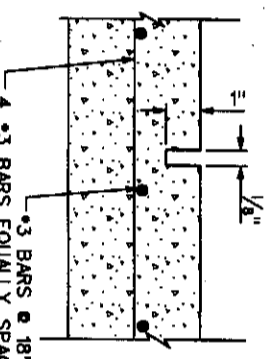
NOTE: THIS DETAIL TO BE USED WHENEVER A POWER POLE ENCROACHES A SIDEWALK. A MINIMUM UNOBSTRUCTED CLEARANCE OF 4'-0" IS TO BE MAINTAINED AROUND THE POLE

SIDEWALK @ UTILITY POLE
NOT TO SCALE



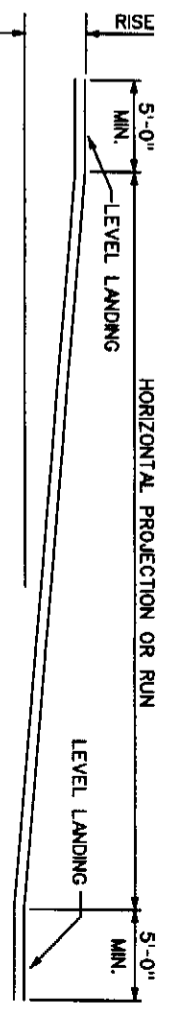
NOTE: PROVIDE EXPANSION JOINTS @ INTERVALS NOT TO EXCEED 50' @ DRIVEWAYS AND STRUCTURES

SIDEWALK EXPANSION JOINT DETAIL
NOT TO SCALE



NOTE: PROVIDE CONTROL POINTS @ INTERVALS OF 4'

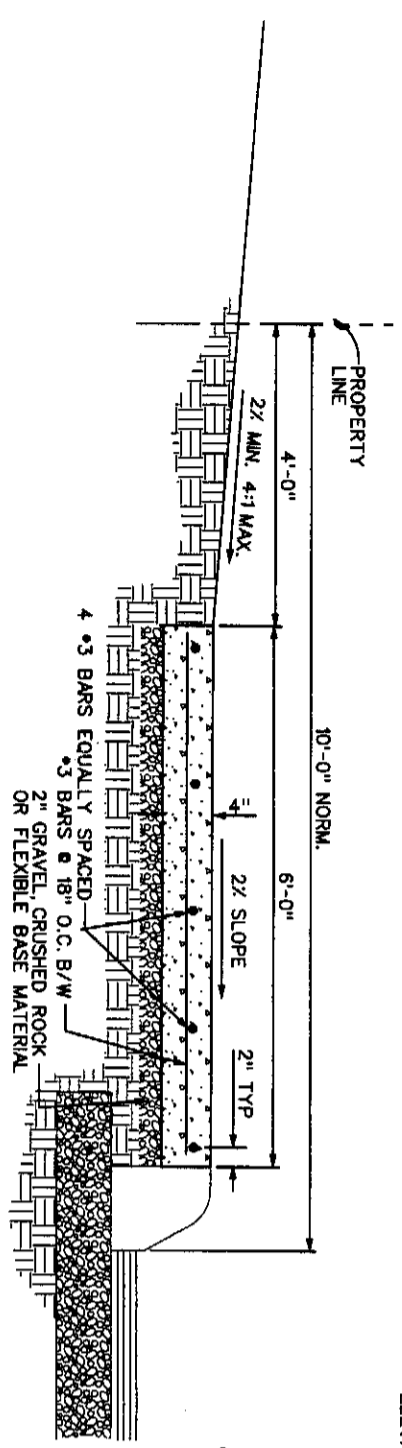
SIDEWALK CONTRACTION JOINT DETAIL
NOT TO SCALE



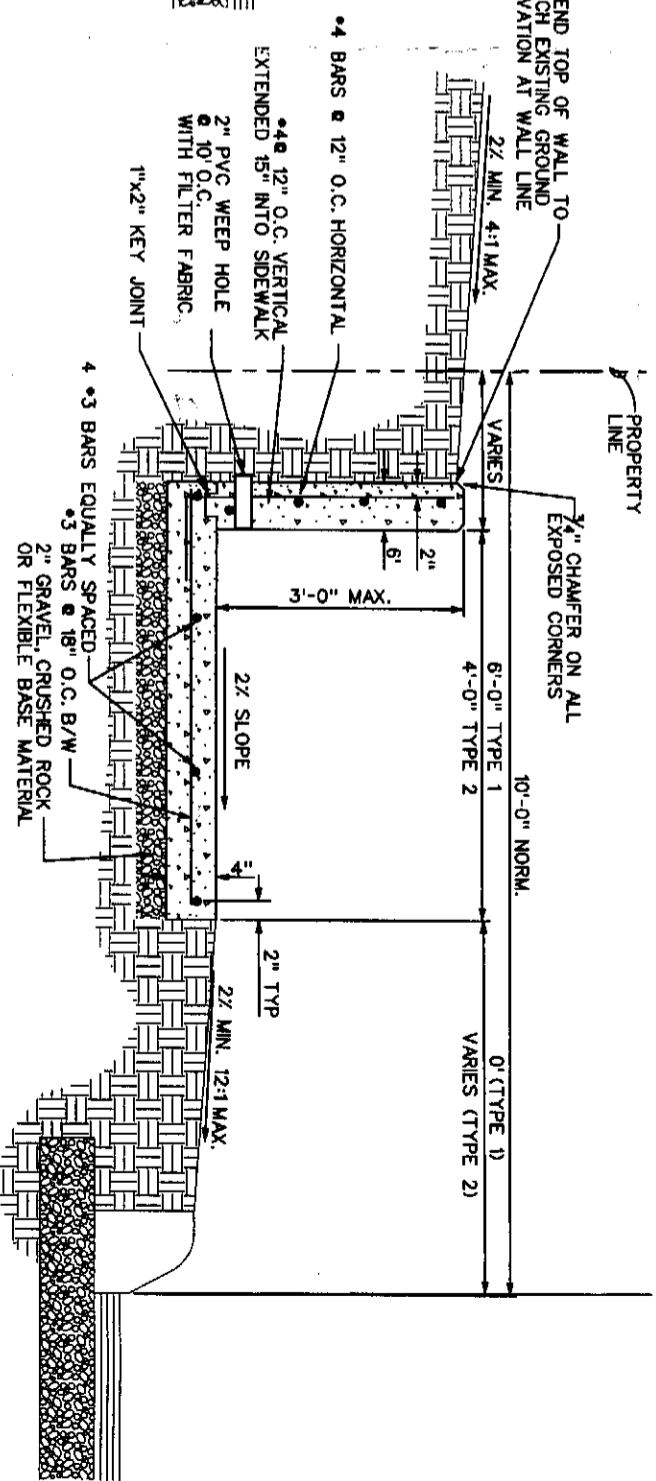
SLOPE	MAXIMUM RISE	MAXIMUM HORIZONTAL PROJECTION
1:12 TO < 1:16	30 IN.	30 FT.
1:16 TO < 1:20	40 IN.	40 FT.

SIDEWALK SLOPE REQUIREMENTS WHEN SLOPE IS GREATER THAN 1:20

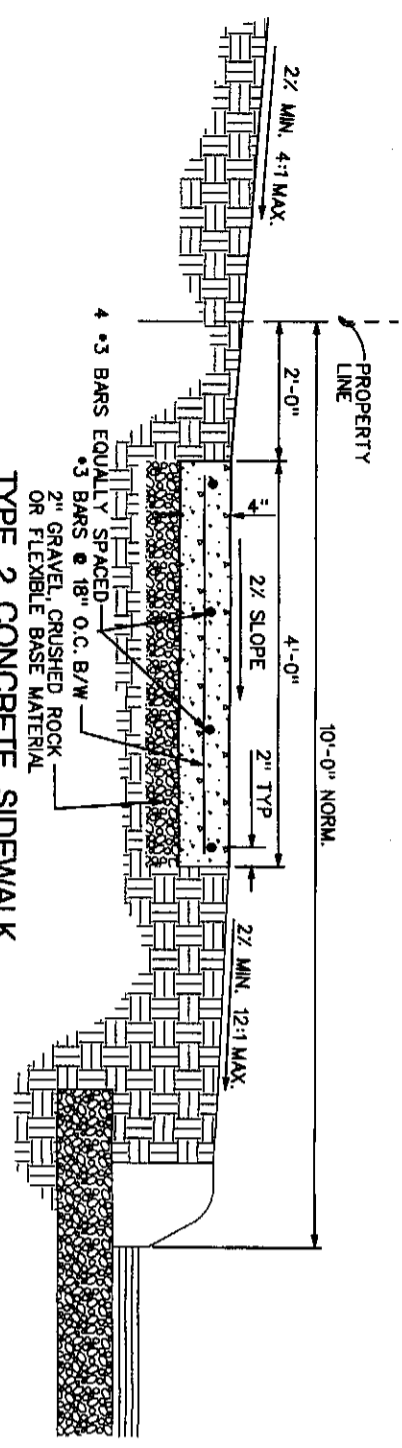
NOT TO SCALE



TYPE 1 CONCRETE SIDEWALK
NOT TO SCALE



CONCRETE RETAINING WALL - COMBINATION TYPE
NOT TO SCALE



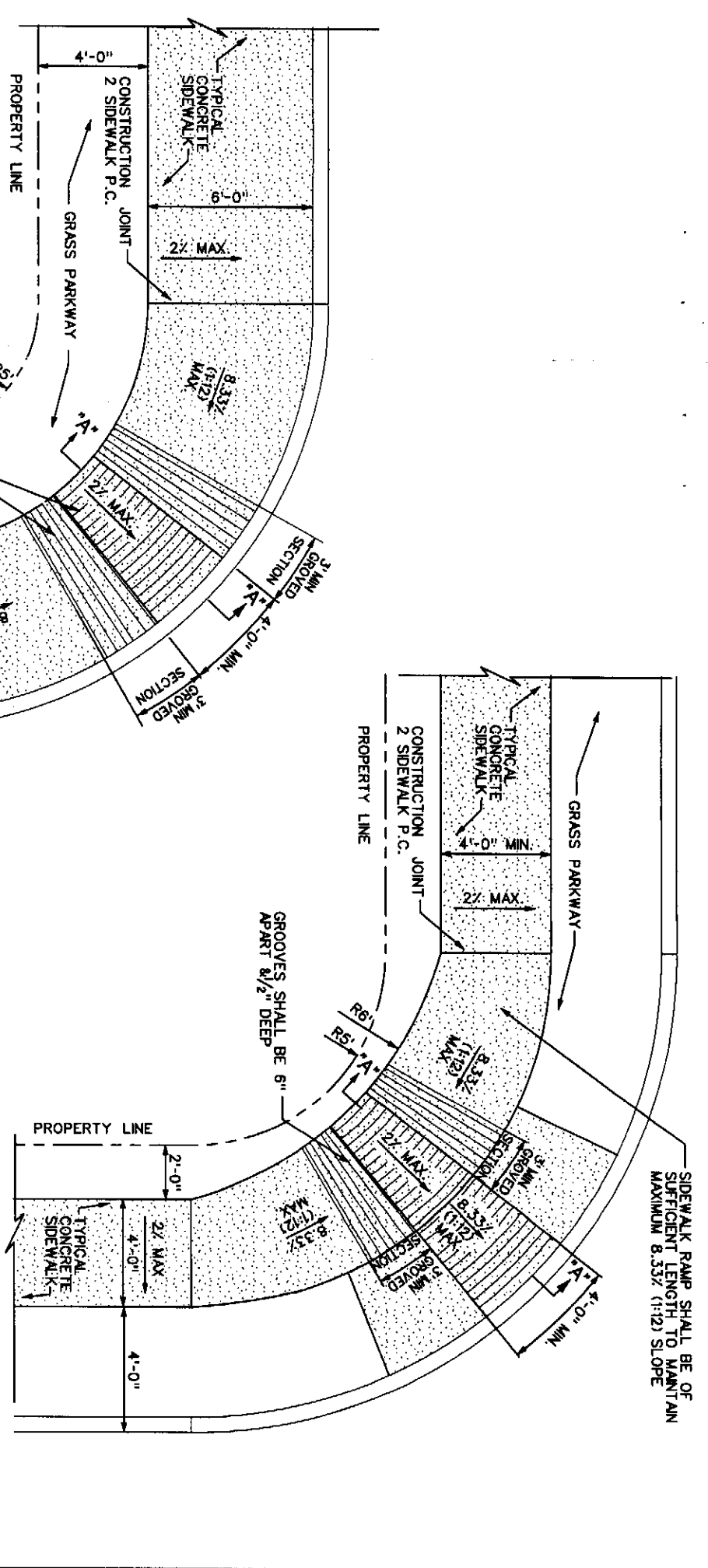
TYPE 2 CONCRETE SIDEWALK
NOT TO SCALE

CITY OF HILL COUNTRY VILLAGE
SIDEWALK & DRIVEWAY STANDARDS

02/21/01

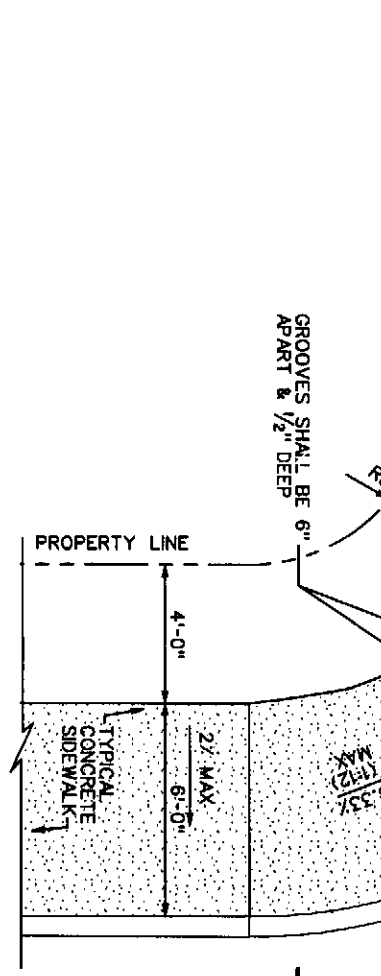
NOTES

1. THE CONTRACTOR SHALL WARRANT ALL WORK FOR ONE (1) YEAR.
2. THE CONTRACTOR SHALL PROVIDE INSURANCE LISTING THE CITY OF LEON VALLEY AS AN ADDITIONAL INSURED BEFORE WORKING IN THE PUBLIC RIGHT-OF-WAY.
3. THE CONTRACTOR SHALL REMOVE AND RESTORE TRAFFIC SIGNS AS NEEDED (NO SEPARATE PAY ITEM). MAINTAIN ALL STOP SIGNS IN PLACE DURING CONSTRUCTION.
4. THE CONTRACTOR SHALL NOTIFY THE CITY OF LEON VALLEY DEVELOPMENT OFFICE AT 684-1391 EXT 226 PRIOR TO PLACING BACKFILL OR CONCRETE AND PRIOR TO ANY TESTING. THE CONTRACTOR SHALL REQUEST INSPECTION 24 HOURS IN ADVANCE. (NO INSPECTIONS ARE AVAILABLE BETWEEN 12:00 PM AND 1:00 PM OR AFTER 4:00 PM DAILY, WEEKENDS OR CITY HOLIDAYS)
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT ALL SIGNS AND BARRICADES ARE PROPERLY INSTALLED AND MAINTAINED. ALL LOCATIONS AND DISTANCES WILL BE DECIDED UPON IN THE FIELD BY THE CONTRACTOR, USING THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE CITY'S CONSTRUCTION INSPECTOR AND THE TRAFFIC ENGINEERING REPRESENTATIVE WILL ONLY BE RESPONSIBLE TO INSPECT BARRICADES AND SIGNS. IF IN THE OPINION OF THE TRAFFIC ENGINEERING REPRESENTATIVE AND THE CONSTRUCTION INSPECTOR, THE BARRICADES AND SIGNS DO NOT CONFORM TO ESTABLISHED STANDARDS OR ARE INCORRECTLY PLACED OR ARE INSUFFICIENT IN QUANTITY TO PROTECT THE GENERAL PUBLIC, THE CONSTRUCTION INSPECTOR SHALL HAVE THE OPTION TO STOP OPERATIONS UNTIL SUCH TIME AS THE CONDITIONS ARE CORRECTED.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL OR BETTER CONDITION ANY DAMAGE DONE TO EXISTING GRASS AREAS, CURBS, SIDEWALKS OR CONCRETE DRIVEWAYS. DAMAGED GRASS AREAS SHALL BE SODED.
7. ALL CONCRETE SHALL BE CLASS A (3,000 PSI AT 28 DAYS) AND MEET THE MATERIAL REQUIREMENTS OF "CONCRETE" (NATURAL AGGREGATE) OF THE SPECIFICATIONS.
8. ALL REINFORCING STEEL SHALL BE GRADE 40 AND MEET THE MATERIAL AND CONSTRUCTION REQUIREMENTS OF "REINFORCING STEEL" OF THE SPECIFICATIONS. THE USE OF WIRE MESH IN SIDEWALKS, CONCRETE PAVEMENTS, RIP-RAP OR DRIVEWAYS IS PROHIBITED.
9. CURING SHALL BE MADE BY CURING COMPOUND OR OTHER APPROVED METHOD.
10. ALL CONCRETE CONSTRUCTION SHALL MEET THE REQUIREMENTS OF "CONCRETE WORK" OF THE SPECIFICATIONS.
11. MANHOLE AND VALVE BOXES SHALL BE ADJUSTED TO MATCH NEW GRADES.
12. LABORATORY TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT TESTING LABORATORY. ALL COSTS OF TESTING AND RETESTING SHALL BE PAID BY THE CONTRACTOR. TESTING OF SIDEWALKS SHALL BE AT THE RATE OF ONE (1) SET OF CYLINDERS PER EACH 500 FEET OF SIDEWALKS.
13. SURFACE STRUCTURES SUCH AS MAILBOXES, STREET SIGNS, FENCES, DRIVEWAYS, SIDEWALKS, LANDSCAPING, AND SO FORTH, ARE SHOWN ON THE PLANS AS VISIBLE AT THE TIME OF SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SAFEGUARD AND MAINTAIN ANY AND ALL SURFACE STRUCTURES DURING THE COURSE OF WORK AND TO REPLACE OR REPAIR THOSE ITEMS WHICH WERE DAMAGED BY THE CONTRACTOR WITH LIKE OR BETTER QUALITY.
14. CONCRETE SIDEWALKS SHALL HAVE TOOLED WEAKENED PLAN JOINTS (CONTRACTION JOINTS) EVERY FOUR (4) FEET AND DOWELED EXPANSION JOINTS WITH 1/2" BITUMASTIC MATERIAL AT INTERVALS NOT TO EXCEED 50 FEET AND WHEN ABUTTING NEW AND EXISTING STRUCTURES. (ONLY BAR-TYPE STEEL REINFORCING MAY BE USED.)
15. WHEN THE ALIGNMENT OF NEW SIDEWALKS DOES NOT MATCH THE ALIGNMENT OF EXISTING SIDEWALKS, THE NEW SIDEWALK SHALL BE TRANSITIONED TO MATCH THE EXISTING SIDEWALK AT THE RATE OF FOUR (4) FEET LONGITUDINALLY TO ONE (1) FOOT Laterally.
16. SIDEWALKS SHALL HAVE A NON-SKID FINISH. THIS MAY BE EITHER A SOFT BROOM FINISH OR BY APPLYING SILICON CARBIDE (SPARKLING) OR ALUMINUM OXIDE AT THE RATE OF 1/4 TO 1/2 POUND PER SF AND TROWELING LIGHTLY.
17. SIDEWALKS SHALL NOT HAVE A SLOPE GREATER THAN 1:20 UNLESS RAMP PROVISIONS ARE INCORPORATED INTO THE DESIGN OF THE SIDEWALK. (SEE PAGE 1 ALSO).
18. THE MAXIMUM SLOPE FOR A RAMP SHALL BE 1:12. LANDINGS ARE REQUIRED WHENEVER THE RISE OF A RAMP EXCEEDS 30". EACH LANDING IS REQUIRED TO BE A MINIMUM OF 5'-0" IN LENGTH AND AS WIDE AS THE SIDEWALK. WHERE THERE IS A CHANGE OF DIRECTION IN THE RAMP, THE MINIMUM WIDTH OF THE LANDING SHALL BE 5'-0".
19. THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT SHALL BE INCORPORATED INTO THE DESIGNS FOR SIDEWALKS.



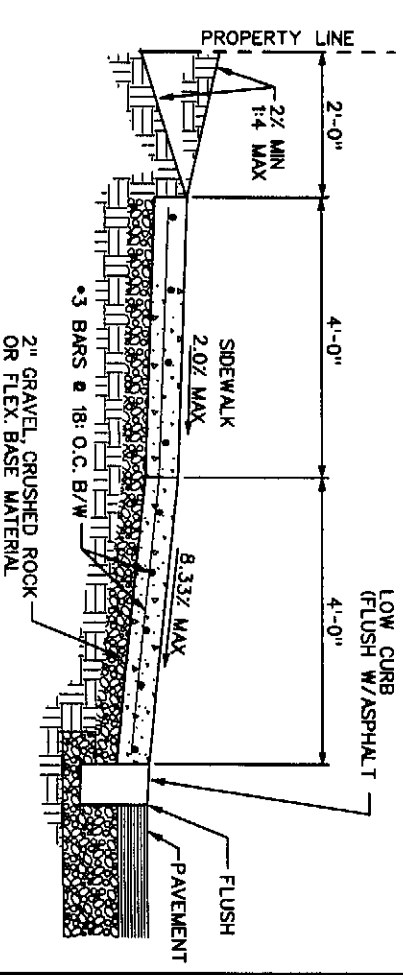
TYPE 2 CONCRETE SIDEWALK RAMP

NOT TO SCALE



TYPE 1 CONCRETE SIDEWALK RAMP

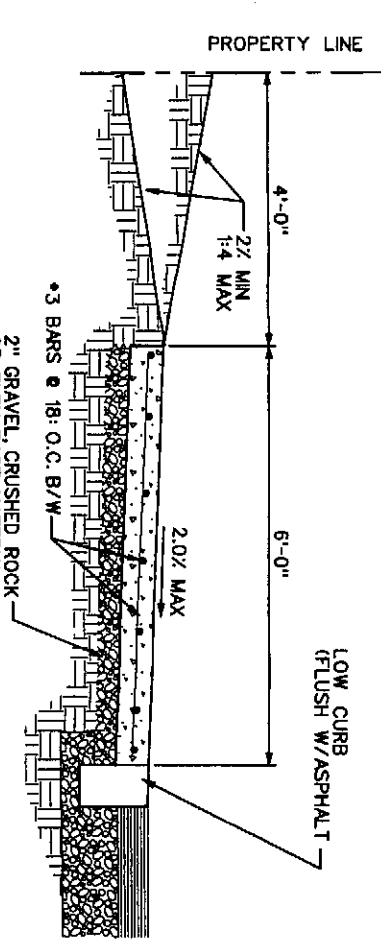
NOT TO SCALE



TYPE 2 SIDEWALK RAMP - SECTION A - A

NOT TO SCALE

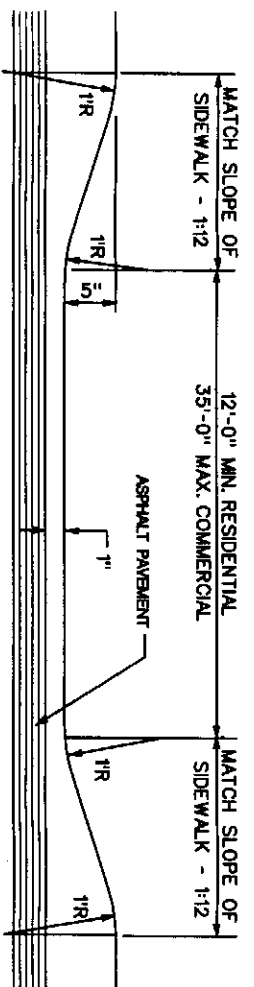
02/22/01



TYPE 1 SIDEWALK RAMP - SECTION A - A

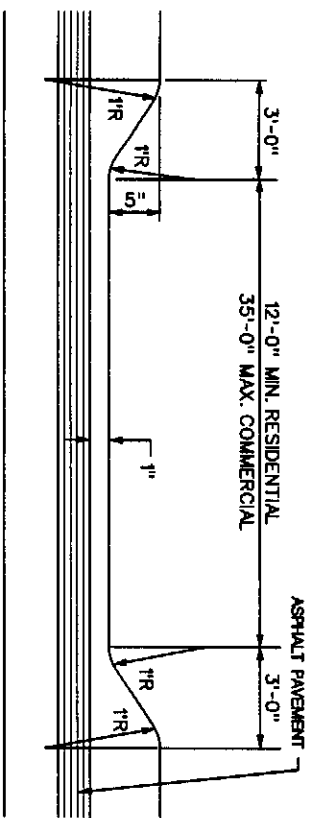
NOT TO SCALE

CITY OF HILL COUNTRY
VILLAGE
SIDEWALK & DRIVEWAY
STANDARDS



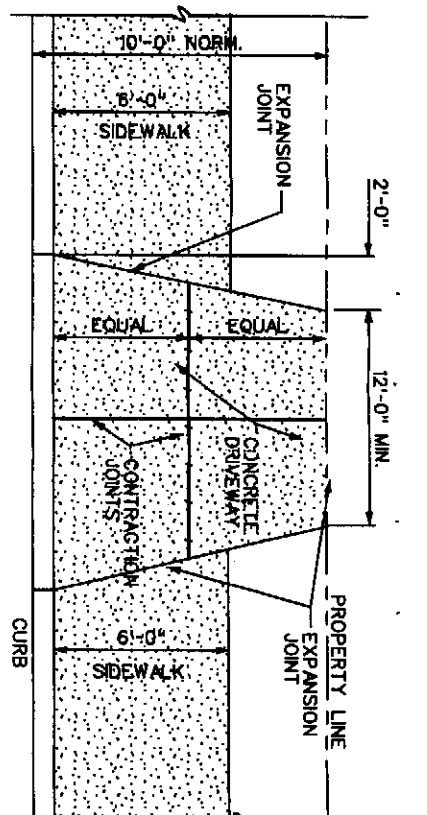
ELEVATION VIEW OF TYPE 1 COMMERCIAL AND RESIDENTIAL DRIVEWAYS AT CURB

NOT TO SCALE



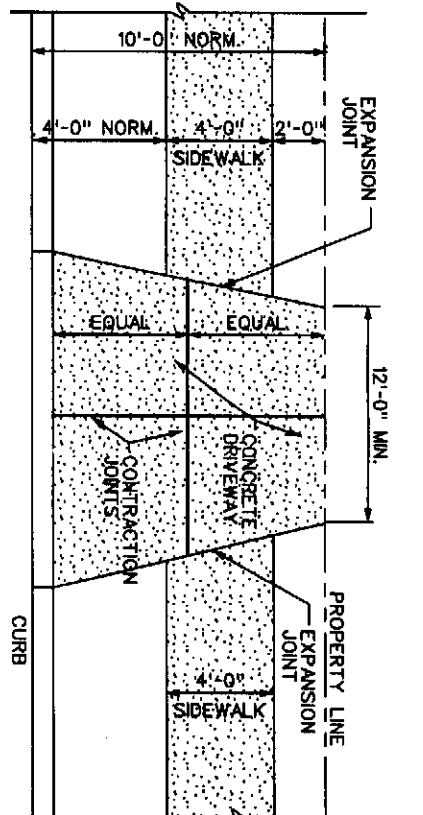
ELEVATION VIEW OF COMMERCIAL AND RESIDENTIAL DRIVEWAYS AT CURB

NOT TO SCALE



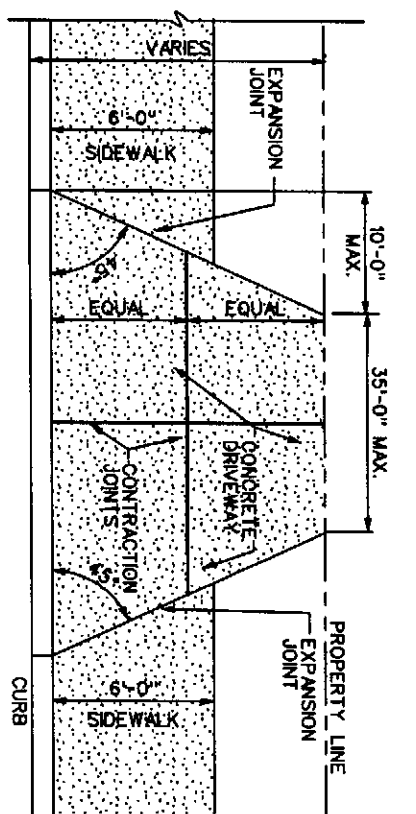
TYPICAL PLAN VIEW - RESIDENTIAL TYPE 1 DRIVEWAY APRON

NOT TO SCALE



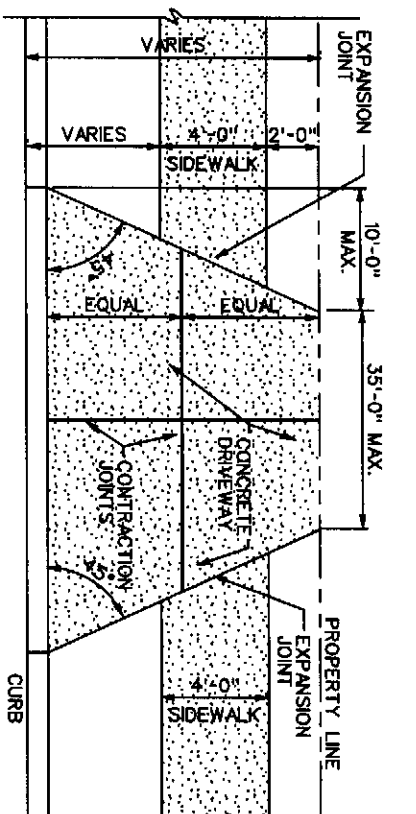
TYPICAL PLAN VIEW - RESIDENTIAL TYPE 2 DRIVEWAY APRON

NOT TO SCALE



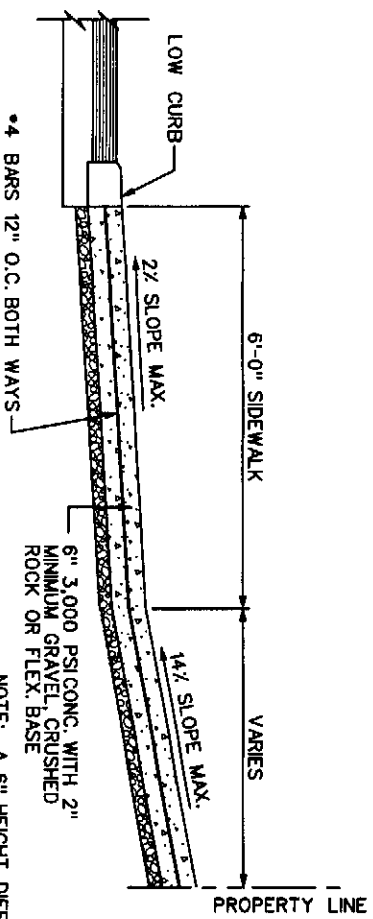
TYPICAL PLAN VIEW - COMMERCIAL TYPE 1 DRIVEWAY APRON

NOT TO SCALE



TYPICAL PLAN VIEW - COMMERCIAL TYPE 2 DRIVEWAY APRON

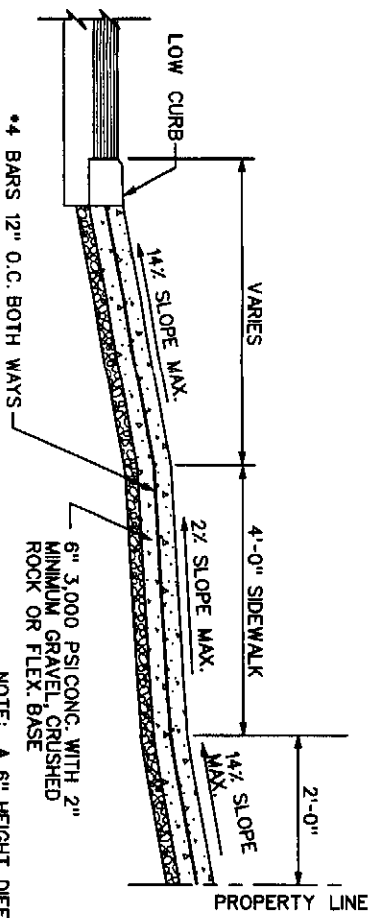
NOT TO SCALE



TYPICAL COMMERCIAL AND RESIDENTIAL TYPE 1 DRIVEWAY APRON SECTION

NOT TO SCALE

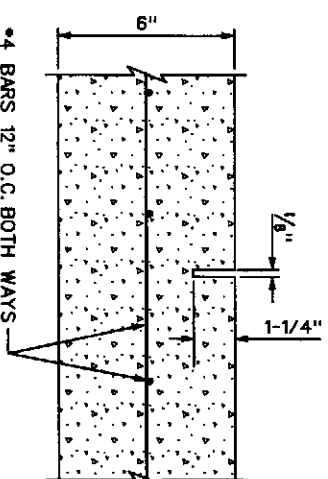
NOTE: A 6" HEIGHT DIFFERENTIAL BETWEEN THE STREET PAVEMENT ELEVATION AND THE DRIVEWAY MUST BE ATTAINED. IT MAY BE ATTAINED EITHER IN THE RIGHT-OF-WAY OR WITHIN PRIVATE PROPERTY



TYPICAL COMMERCIAL AND RESIDENTIAL TYPE 2 DRIVEWAY APRON SECTION

NOT TO SCALE

NOTE: A 6" HEIGHT DIFFERENTIAL BETWEEN THE STREET PAVEMENT ELEVATION AND THE DRIVEWAY MUST BE ATTAINED. IT MAY BE ATTAINED EITHER IN THE RIGHT-OF-WAY OR WITHIN PRIVATE PROPERTY



APRON CONTRACTION JOINT

NOT TO SCALE

02/22/01

**CITY OF HILL COUNTRY
VILLAGE
SIDEWALK & DRIVEWAY
STANDARDS**