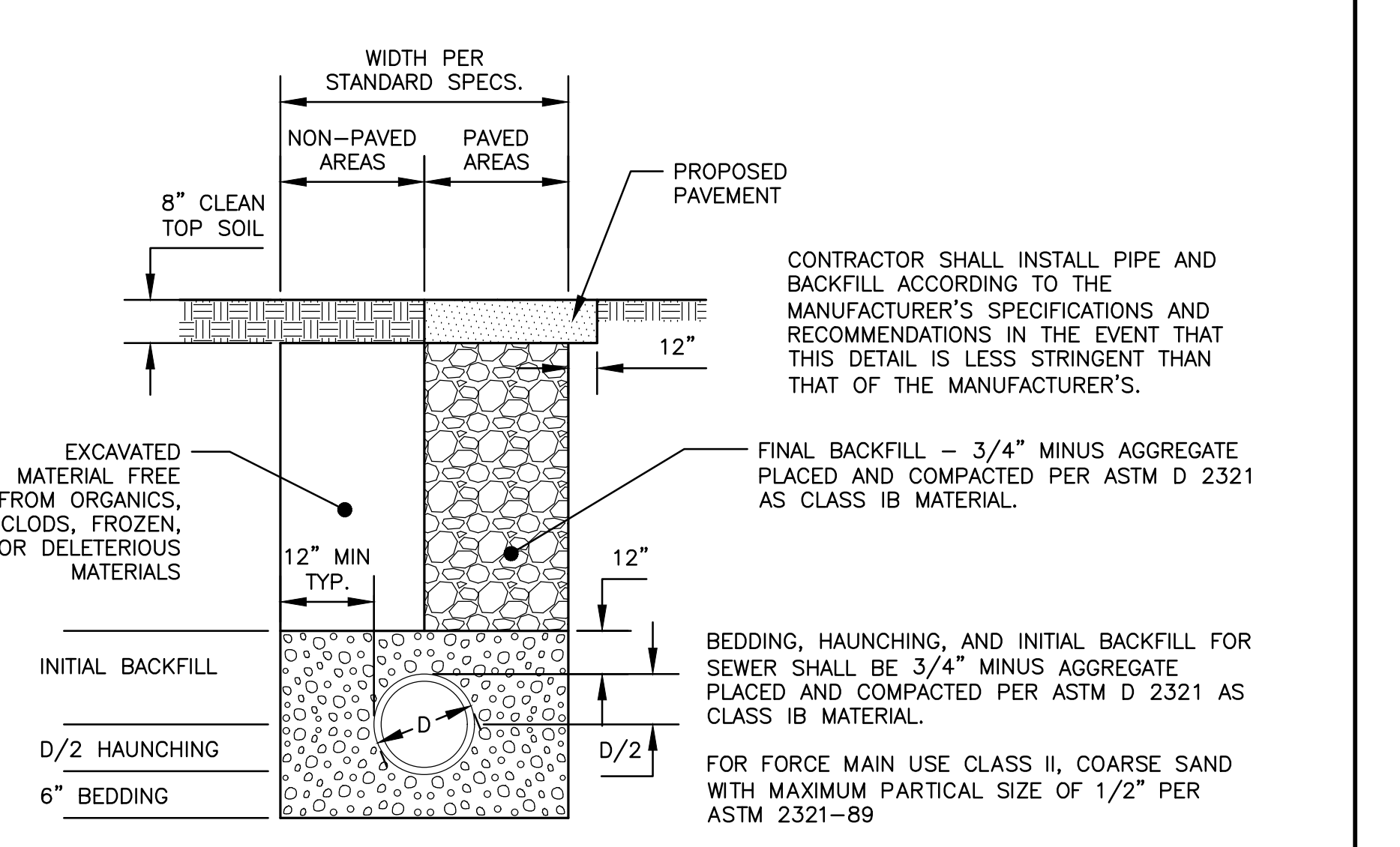
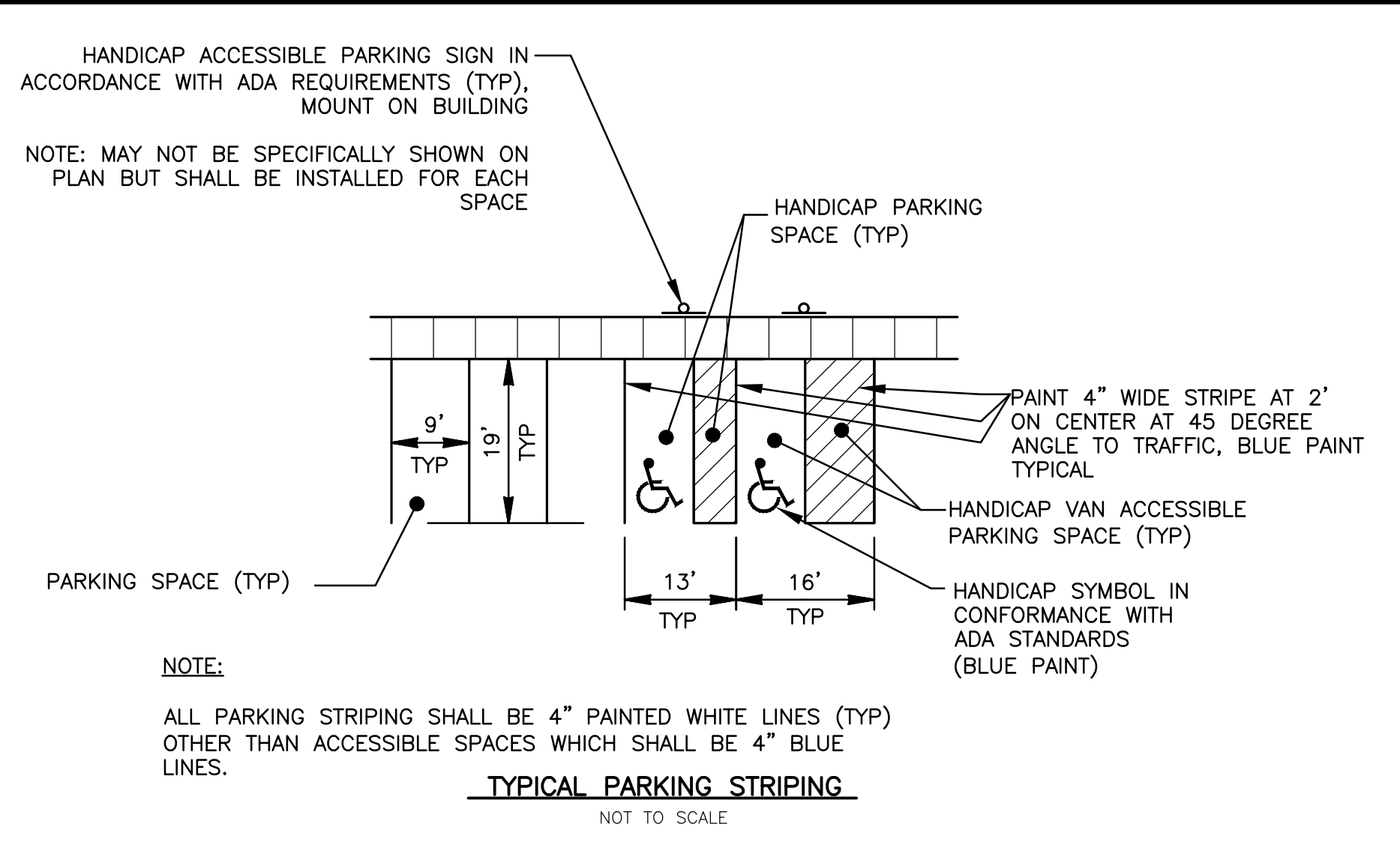
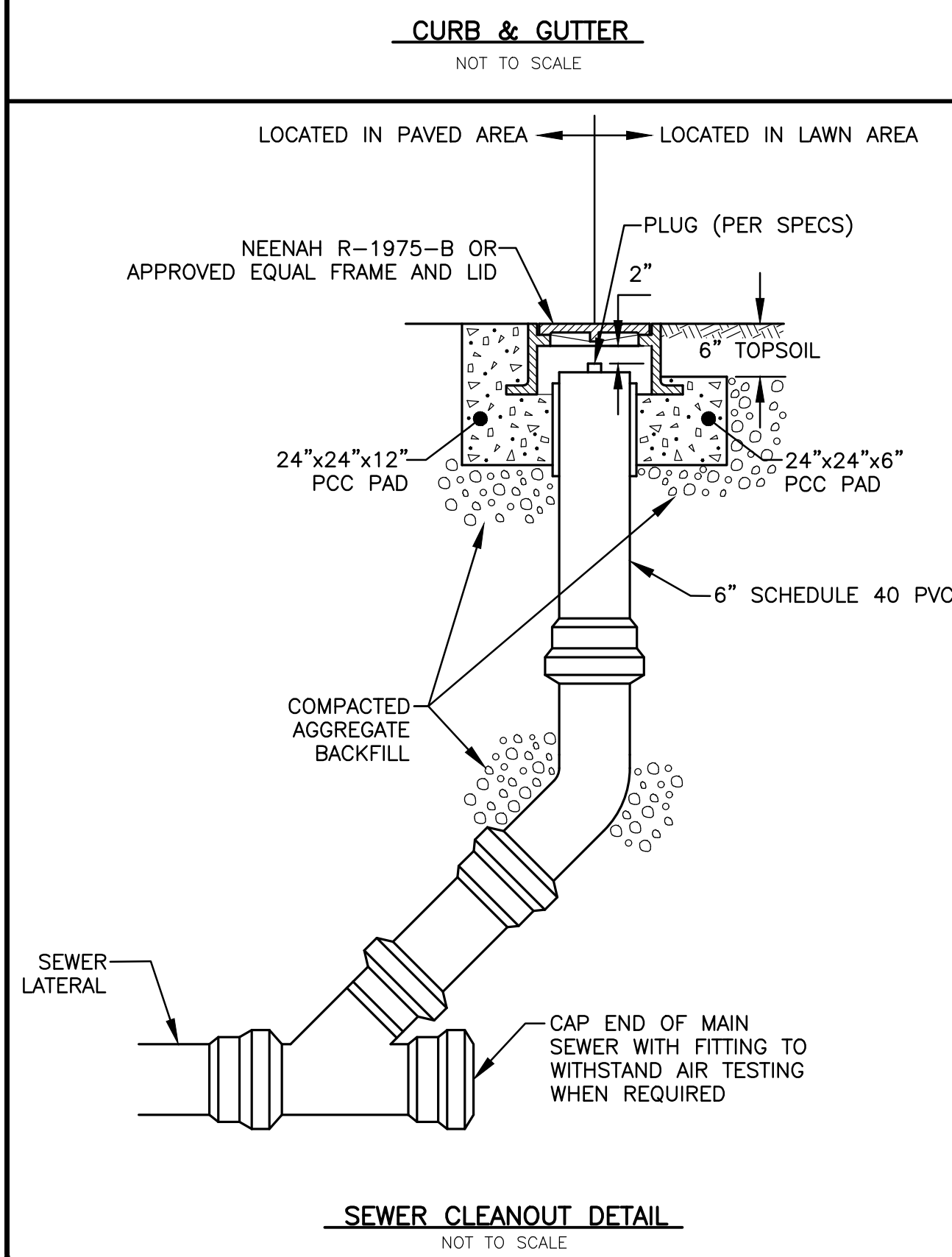
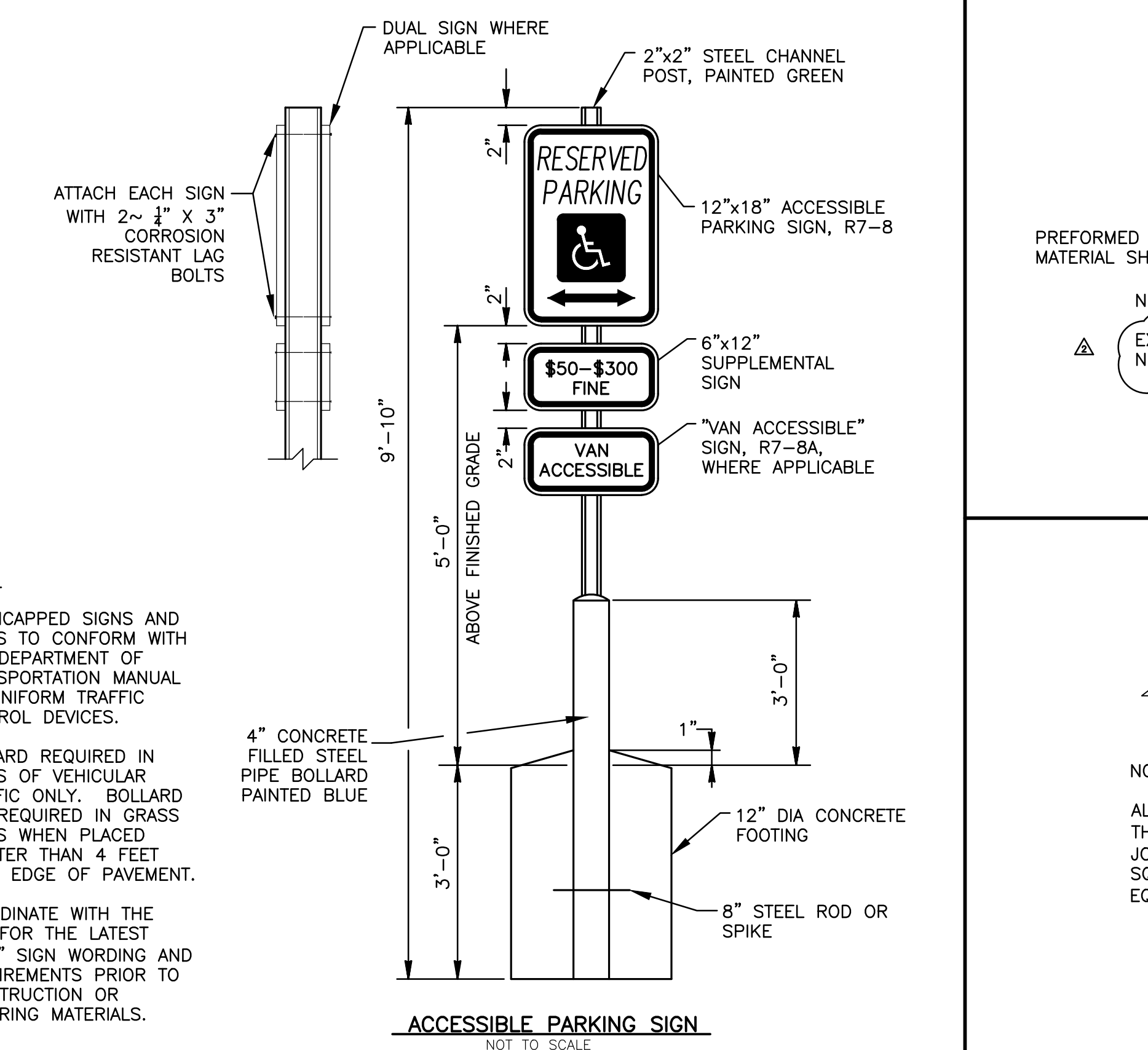


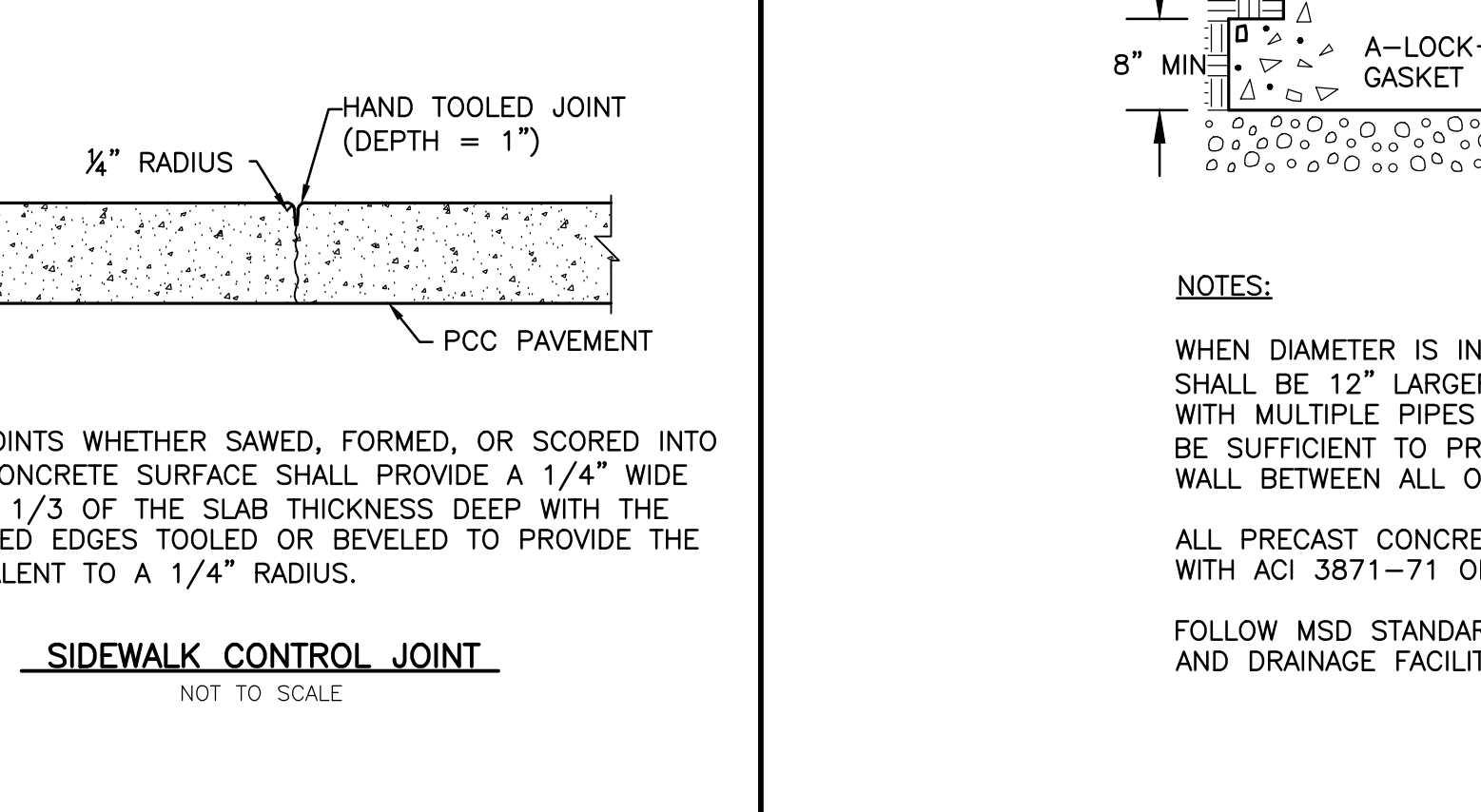
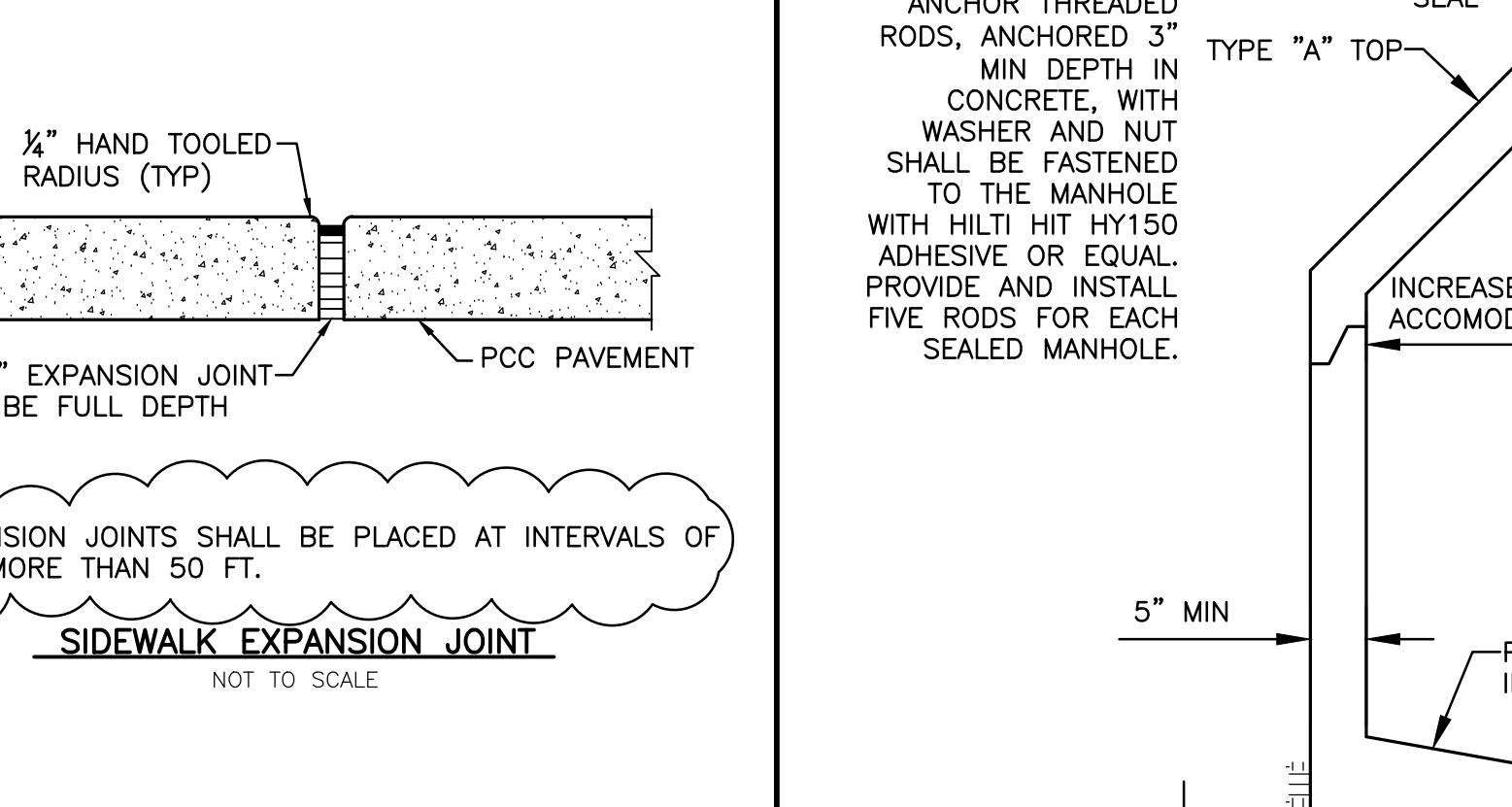
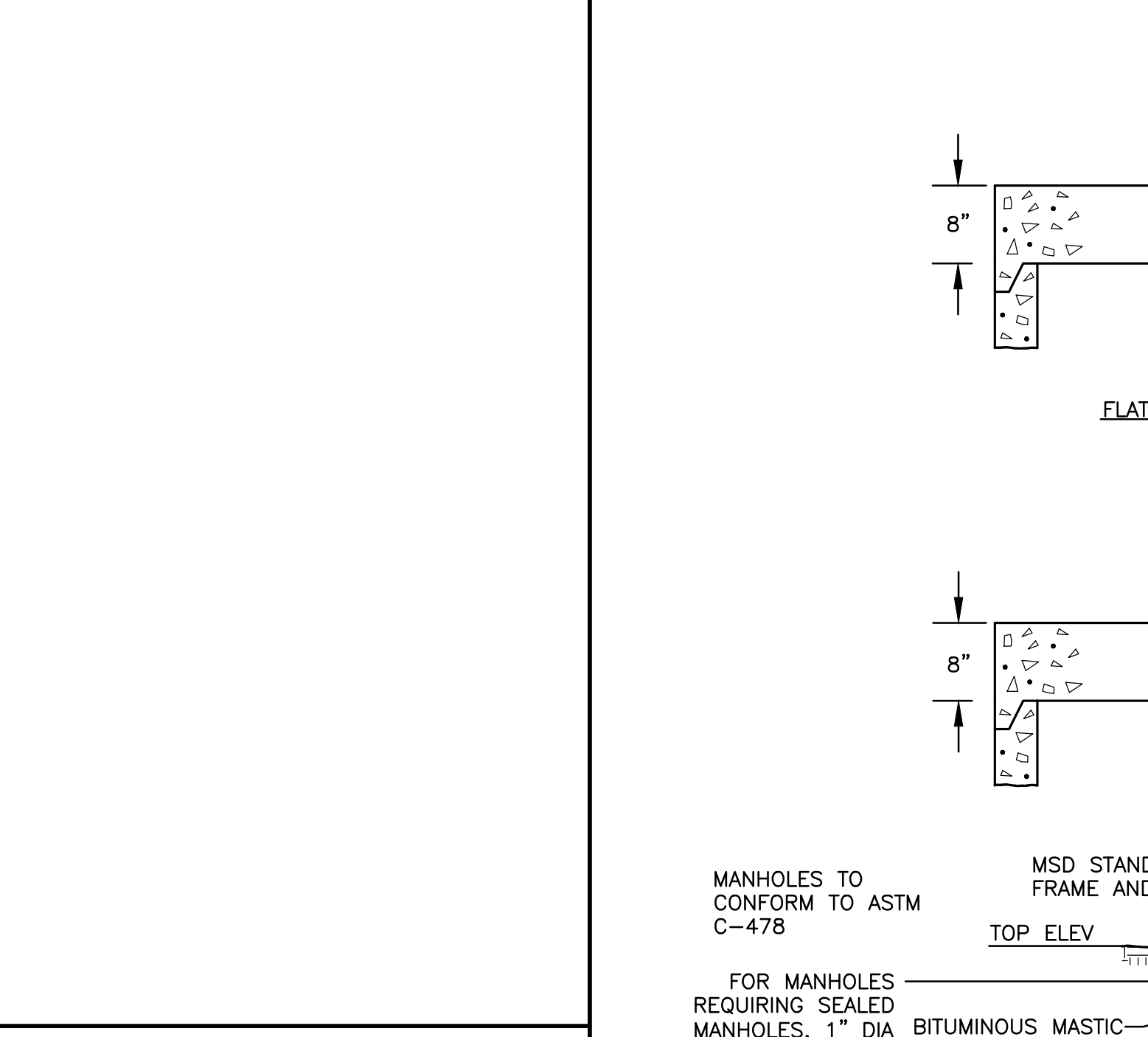
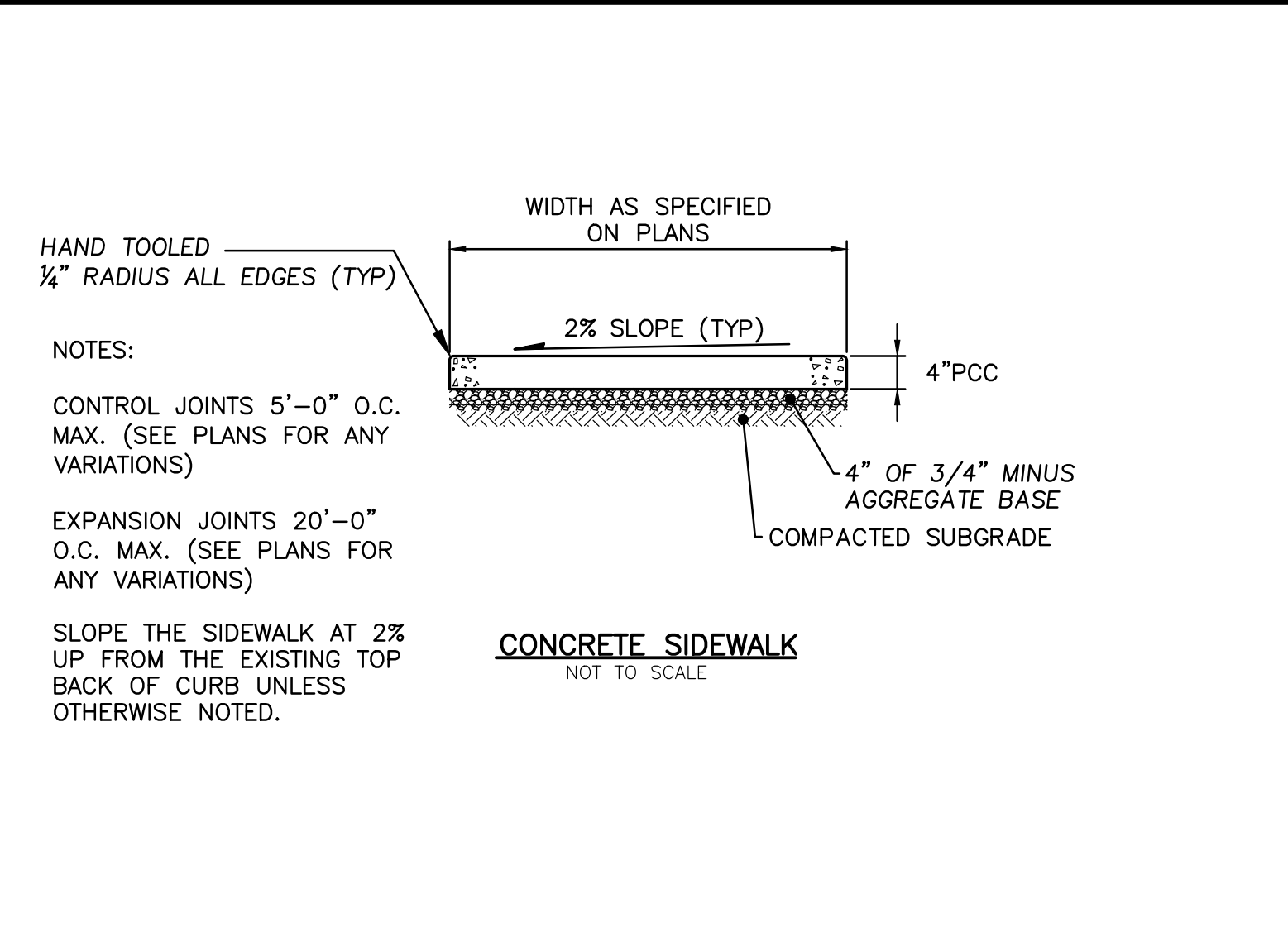
NOTES:
 ON DISTURBED SUBGRADE 4" OF 3/4" CLEAN AGGREGATE SHALL BE COMPACTED BENEATH THE CURB AND GUTTER.
 THE GUTTER SHALL SLOPE AS SHOWN WHEN THE ADJACENT PAVEMENT SLOPES TOWARD THE CURB. THE GUTTER SHALL BE SLOPED AWAY FROM THE CURB WHEN ADJACENT PAVEMENT SLOPES AWAY FROM THE CURB.
 3/4" EXPANSION JOINTS WITH DOWEL BARS SHALL BE INSTALLED AT 100' INCREMENTS.
 SAWED CONTROL JOINTS SHALL BE INSTALLED AT 20' INCREMENTS.



CONTRACTOR SHALL INSTALL PIPE AND BACKFILL ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS IN THE EVENT THAT THIS DETAIL IS LESS STRINGENT THAN THAT OF THE MANUFACTURER'S.
 FINAL BACKFILL - 3/4" MINUS AGGREGATE PLACED AND COMPACTED PER ASTM D 2321 AS CLASS IB MATERIAL.
 BEDDING, HAUNCHING, AND INITIAL BACKFILL FOR SEWER SHALL BE 3/4" MINUS AGGREGATE PLACED AND COMPACTED PER ASTM D 2321 AS CLASS IB MATERIAL.
 FOR FORCE MAIN USE CLASS II, COARSE SAND WITH MAXIMUM PARTIAL SIZE OF 1/2" PER ASTM 2321-89

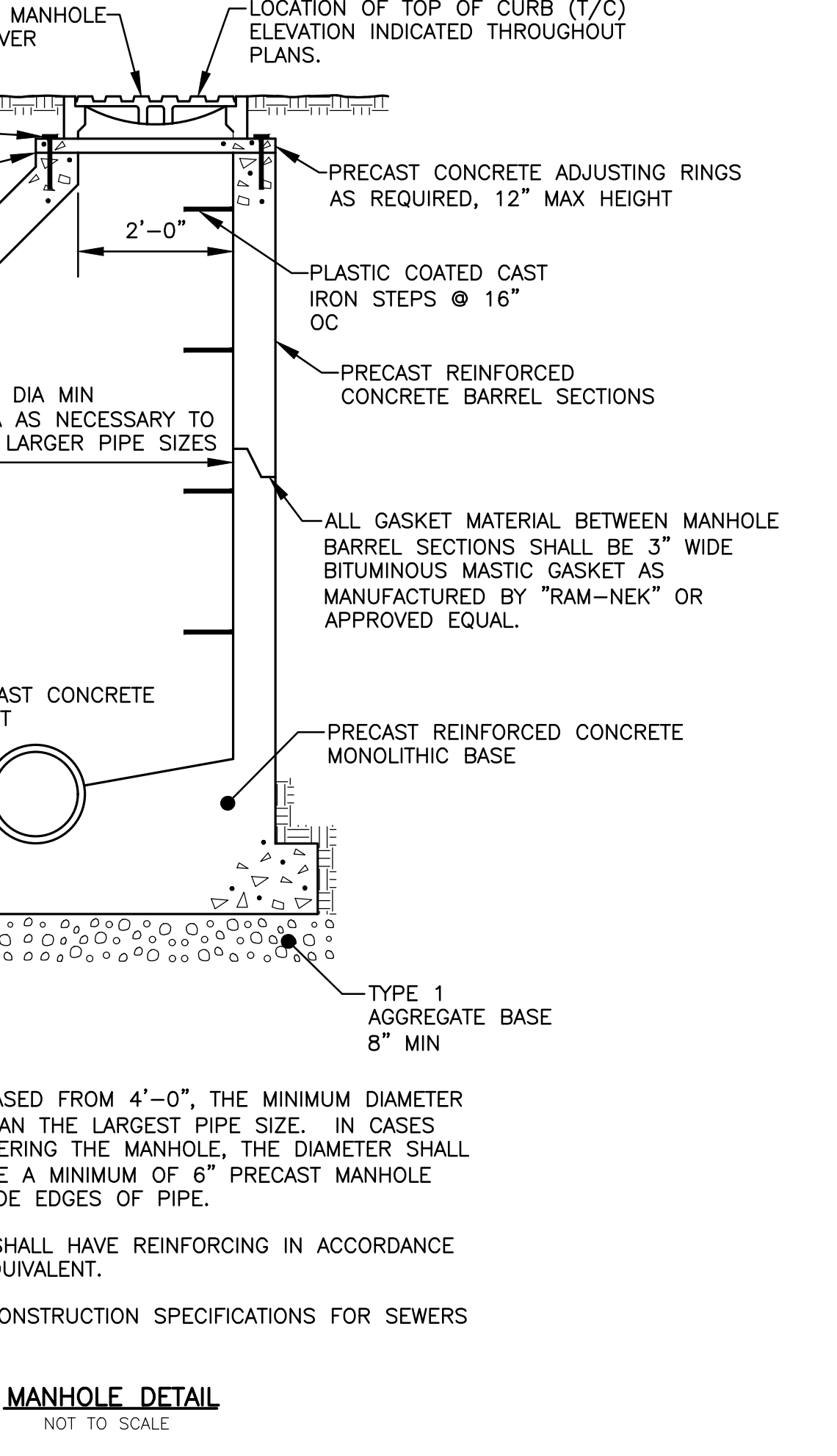
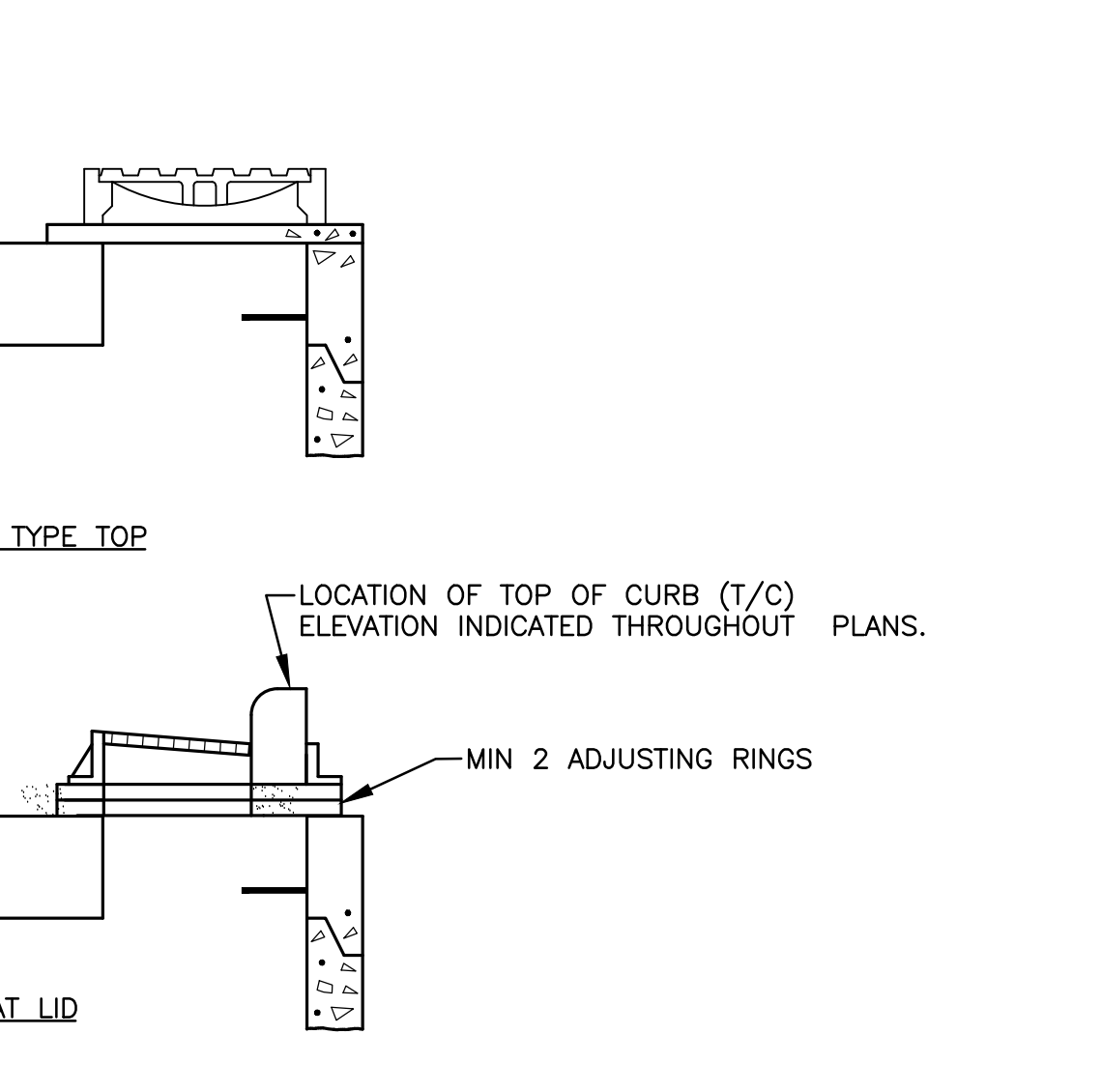


NOTE:
 HANDICAPPED SIGNS AND POSTS TO CONFORM WITH U.S. DEPARTMENT OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 BOLLARD REQUIRED IN AREAS OF VEHICULAR TRAFFIC ONLY. BOLLARD NOT REQUIRED IN GRASS AREAS WHEN PLACED GREATER THAN 4 FEET FROM EDGE OF PAVEMENT.
 COORDINATE WITH THE CITY FOR THE LATEST "FINE" SIGN WORDING AND REQUIREMENTS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS.



NOTE:
 ALL JOINTS WHETHER SAWED, FORMED, OR SCORED INTO THE CONCRETE SURFACE SHALL PROVIDE A 1/4" WIDE JOINT, 1/3 OF THE SLAB THICKNESS DEEP WITH THE SQUARED EDGES TOOLED OR BEVELED TO PROVIDE THE EQUIVALENT TO A 1/4" RADIUS.

COMPACTION AND TESTING
 All fill placed under proposed storm and sanitary sewers, proposed roads and/or paved areas shall be compacted to 90% of maximum density as determined by the Modified AASHTO T-180 Compaction Test or 95% of maximum density as determined by the Standard Proctor Test AASHTO T-99. All fill placed in proposed roads shall be compacted from the bottom of the fill up. All tests shall be verified by a soils engineer concurrent with grading and backfilling operations. Moisture content of the soil in fill areas is to correspond to the compactive effort as defined by the Standard or Modified Proctor Test. Optimum moisture content shall be determined using the same test that was used for compaction. Soil compaction curves shall be submitted to the City of O'Fallon prior to the placement of fill. Proof rolling may be required to verify soil stability at the discretion of the City of O'Fallon.



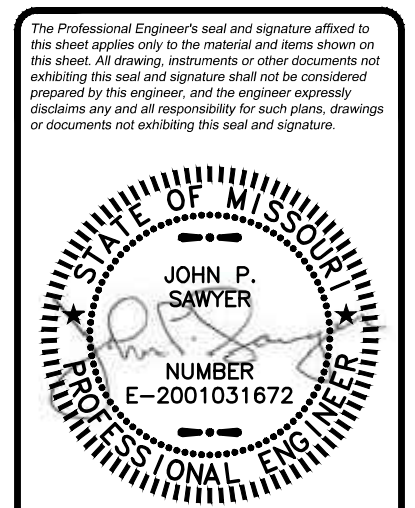
NOTES:
 WHEN DIAMETER IS INCREASED FROM 4'-0", THE MINIMUM DIAMETER SHALL BE 12" LARGER THAN THE LARGEST PIPE SIZE. IN CASES WITH MULTIPLE PIPES ENTERING THE MANHOLE, THE DIAMETER SHALL BE SUFFICIENT TO PROVIDE A MINIMUM OF 6" PRECAST MANHOLE WALL BETWEEN ALL OUTSIDE EDGES OF PIPE.
 ALL PRECAST CONCRETE SHALL HAVE REINFORCING IN ACCORDANCE WITH ACI 3871-71 OR EQUIVALENT.
 FOLLOW MSD STANDARD CONSTRUCTION SPECIFICATIONS FOR SEWERS AND DRAINAGE FACILITIES.

ISSUE	REVISION	DATE
	2	8/15/2017
	3	8/25/2017

Aldi, Inc.
 475 Pearl Drive
 O'Fallon, Missouri 63376
 Ph. (636) 278-4700

SAWYER ENGINEERING, INC.
 P.O. Box 157
 Gillespie, Illinois 62033
 Phone 314-802-5914
 Fax 618-982-6113
 SawyerEngr.com

ALDI O'FALLON, MO
 8615 Veterans Memorial Parkway, O'Fallon, Missouri 63366



Date: 8/25/2017
 John P. Sawyer, PE
 License No. E-2001031672
 Civil Engineer

Job Number: 2016-130
 Date: 8/25/2017
 Designed: SWU Sheet
 Drawn: SWU **C800**
 Checked: JPS

Drawing name: X:\Sawyer\Engineering\Working\O'Fallon, MO\Drawings\2017-08-01-SitePlan\2016-130-DET.dwg Plotted on: Aug 25, 2017 - 9:03am Plotted by: User