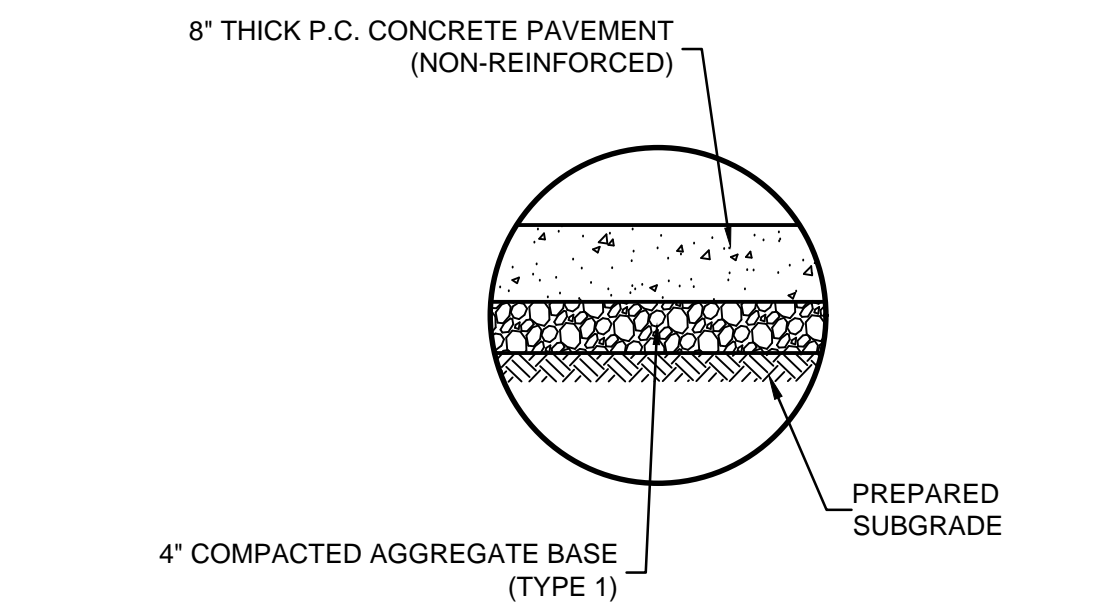
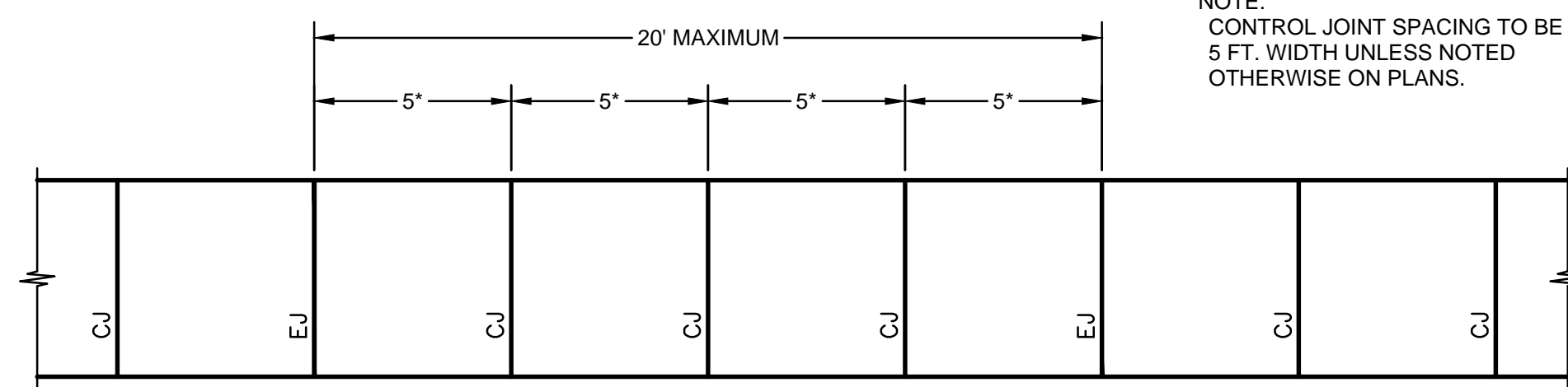


**CONCRETE PAVEMENT
(DRIVE AISLES AND PARKING)**
N.T.S.

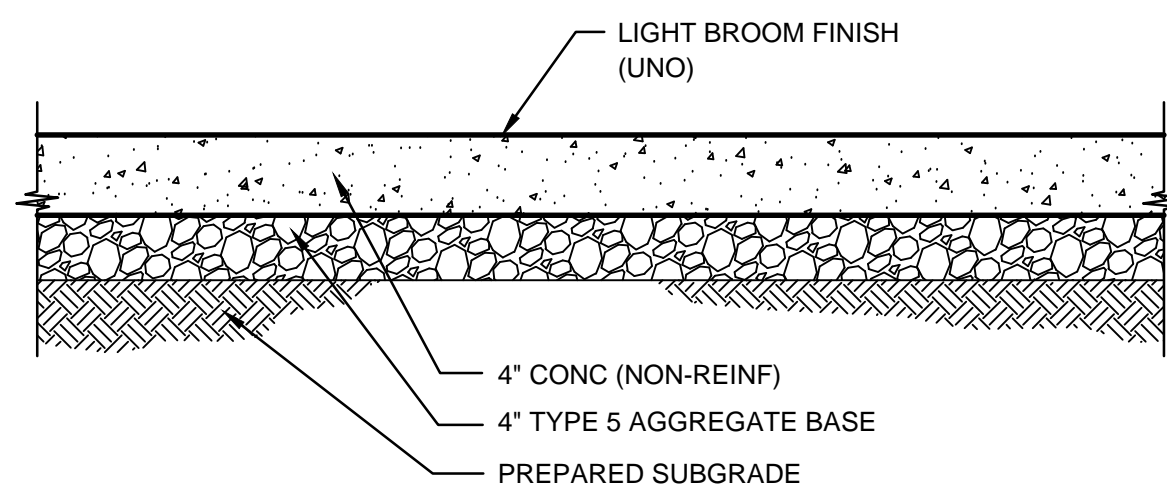


**CONCRETE PAVEMENT
(ENTRANCE APRON AND DUMPSTER PAD)**
N.T.S.



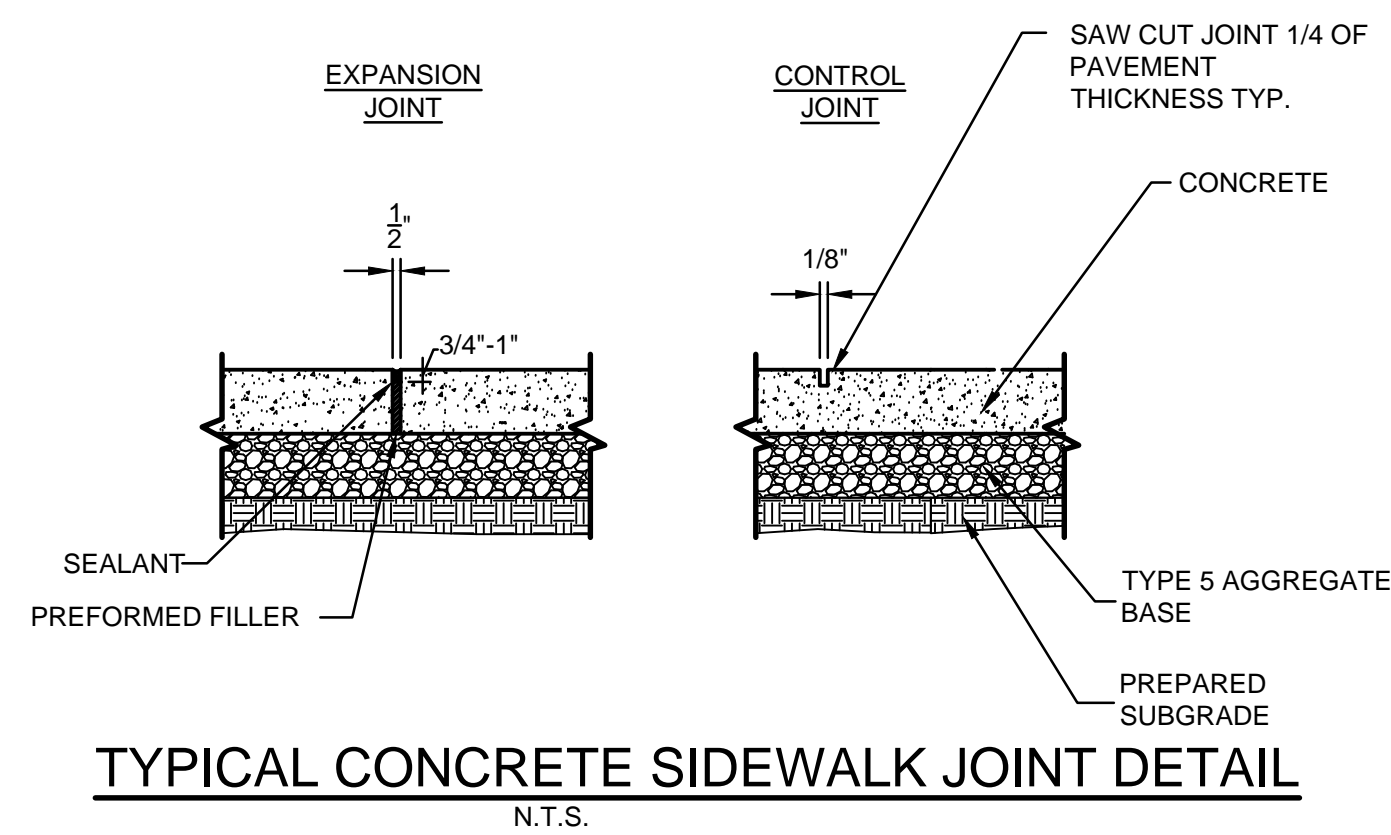
PLAN

* NOTE:
CONTROL JOINT SPACING TO BE
5 FT. WIDTH UNLESS NOTED
OTHERWISE ON PLANS.



SECTION

CONCRETE SIDEWALK
N.T.S.

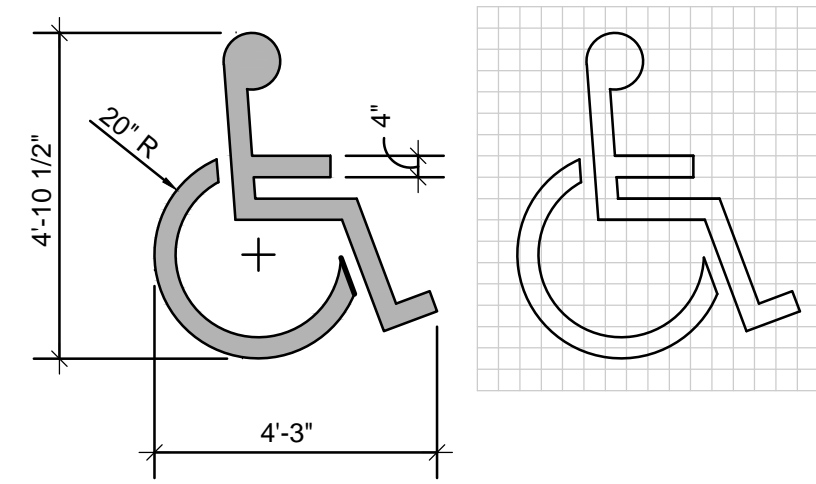


TYPICAL CONCRETE SIDEWALK JOINT DETAIL
N.T.S.

- NOTES:**
- EXPANSION JOINTS SPACED AT 20' INTERVALS.
 - CONTROL JOINTS SHALL BE SAWED AND SEALED JOINTS.
 - SELF LEVELING SEALANT IS NOT ACCEPTABLE. CONTRACTOR SHALL PROVIDE PRODUCT DATA AND COLOR INFORMATION TO OWNER FOR APPROVAL.

GENERAL NOTES:

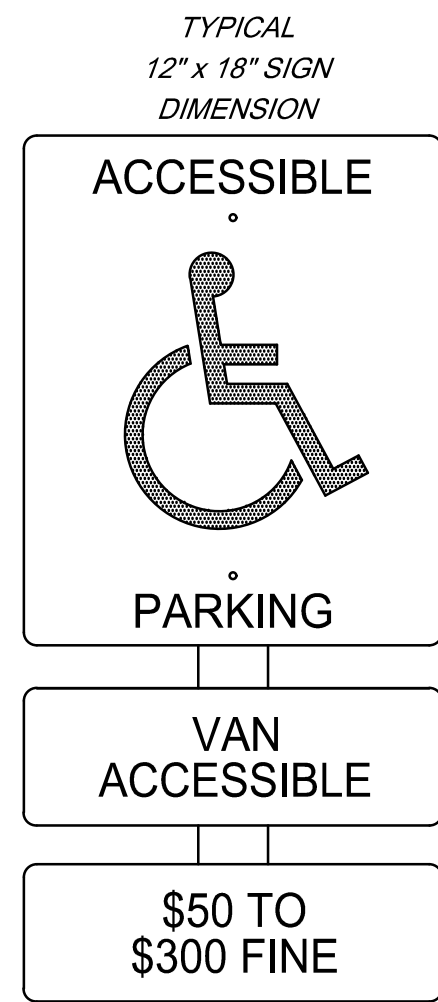
- COMPACTION AND COMPRESSION REQUIREMENTS.
 - PCC PAVEMENT = 4000 PSI IN 28 DAYS.
 - AGGREGATE BASE = 100% STANDARD PROCTOR DENSITY
 - SUBGRADE = 100% STANDARD PROCTOR DENSITY
- ASPHALT SURFACE SHALL BE COMPACTED TO 98% MAXIMUM DENSITY.



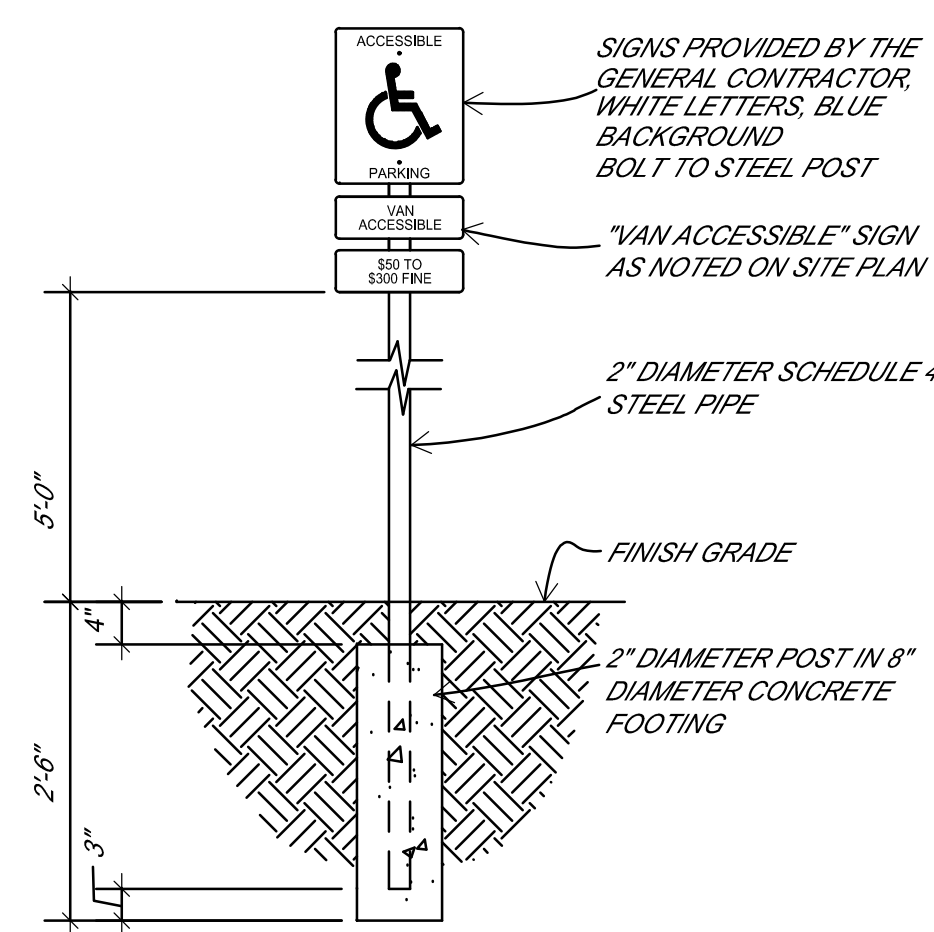
**ACCESSIBILITY SYMBOL
PAINTED ON PAVEMENT**
PROPORTIONING GUIDE

* TO BE BLUE IN COLOR, UNLESS OTHERWISE SPECIFIED.

**HANDICAPPED PARKING
PAINTED SYMBOL DETAIL**
N.T.S.

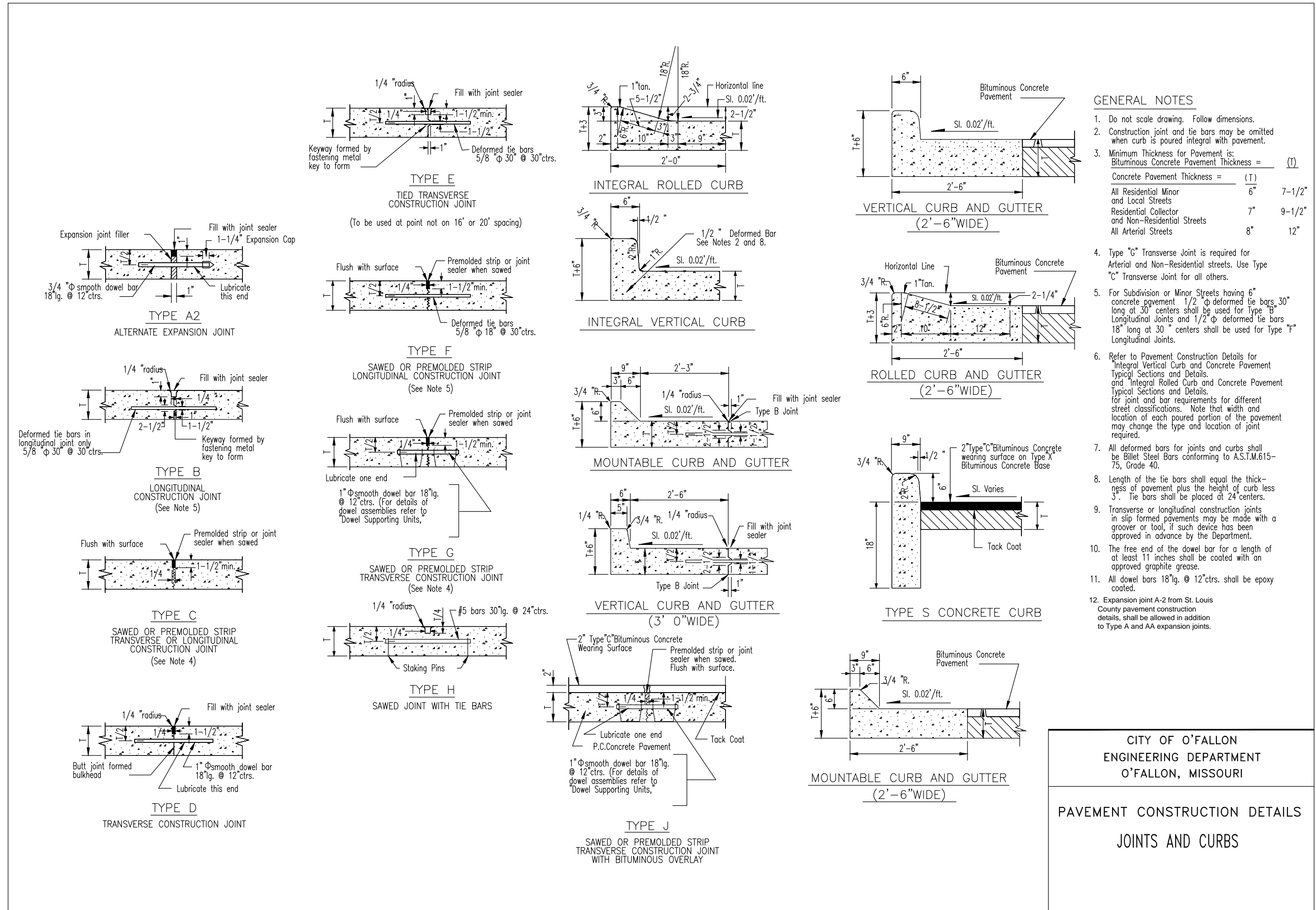


**TYPICAL
9" x 18" SIGN
DIMENSION**



ACCESSIBLE PARKING SIGN DETAIL
N.T.S.

- NOTE:**
- SIGN POSTS AND BACK SHALL BE PAINTED TO CONFORM TO NOTE RN #19 ON SHEET C1.2.



GENERAL NOTES:

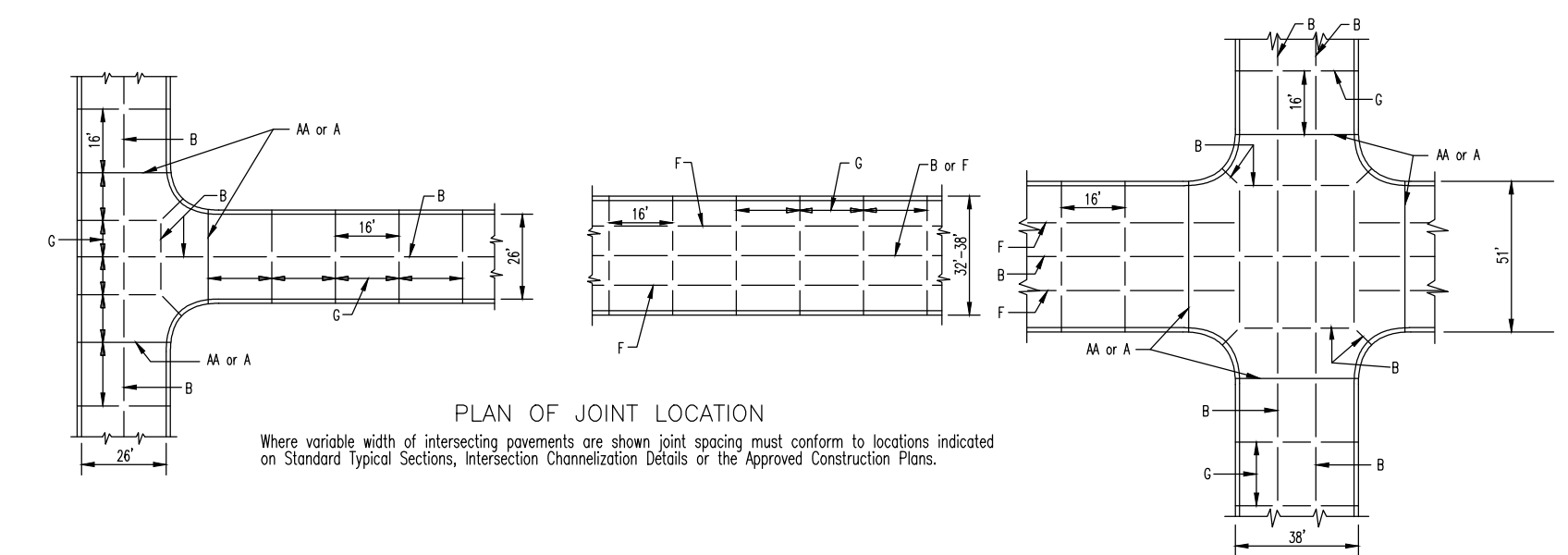
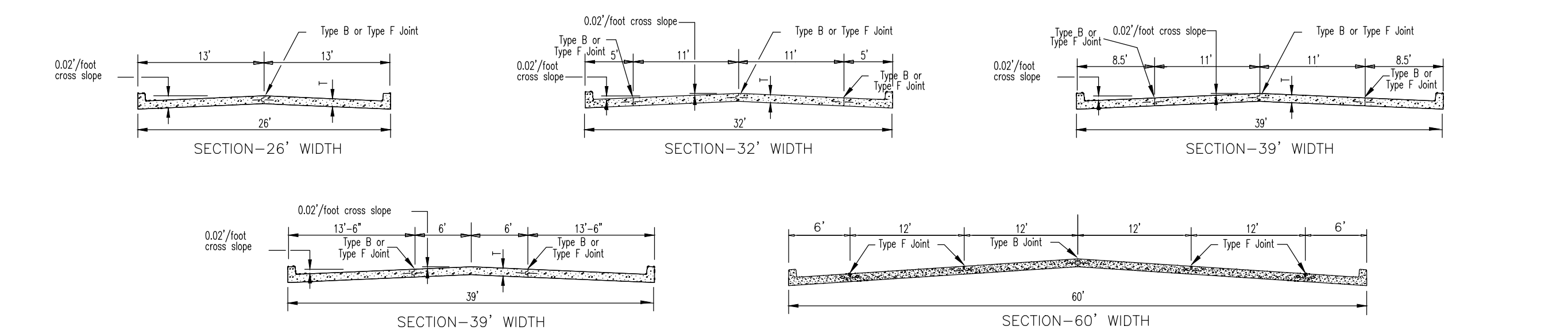
- Do not scale drawing. Follow dimensions.
- Construction joint and tie bars may be omitted when curb is poured integral with pavement.
- Minimum Thickness for Pavement in Blumous Concrete Pavement Thickness = (1)

All Residential Minor and Local Streets	6"	7-1/2"
Residential Collector and Non-Residential Streets	7"	9-1/2"
All Arterial Streets	8"	12"
- Type "O" Transverse Joint is required for Arterial and Non-Residential streets. Use Type "A" Transverse Joint for all others.
- For Subdivision or Minor Streets having 6" concrete pavement 1/2" diameter tie bars 30" long at 30" centers shall be used for Type "B" Longitudinal Joints and 1/2" diameter tie bars 18" long at 30" centers shall be used for Type "A" Longitudinal Joints.
- Refer to Pavement Construction Details for Integral Vertical Curbs and Concrete Pavement Typical Sections and Details.
- All deformed bars for joints and curbs shall be Steel Steel Bars conforming to A.S.T.M. 615-75, Grade 40.
- Length of tie bars shall equal the thickness of pavement plus the height of curb less 3". Tie bars shall be placed at 24" centers.
- Transverse or longitudinal construction joints in slip formed pavements may be made with a groover or tool, if such device has been approved in advance by the Department.
- The free end of the dowel bar for a length of at least 11 inches shall be coated with an approved graphite grease.
- All dowel bars 1 1/2" diameter shall be epoxy coated.
- Expansion joint A-2 from St. Louis County pavement construction details shall be allowed in addition to Type A and AA expansion joints.

CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

PAVEMENT CONSTRUCTION DETAILS
JOINTS AND CURBS

INTEGRAL VERTICAL CURB AND CONCRETE JOINT DETAILS



PLAN OF JOINT LOCATION
Where variable width of intersecting pavements are shown joint spacing must conform to locations indicated on Standard Typical Sections, Intersection Channelization Details or the Approved Construction Plans.

GENERAL NOTES:

- Do not scale drawing. Follow dimensions.
- All street inlets shall be separated from the pavement and curbs by expansion joint material extending completely through curb and slab. Manhole castings within the pavement limits shall be boxed as shown.
- When a joint falls within 5ft. of, or contacts inlets, manholes, or other structures, shorten one or more panels either side of opening to permit joint to fall on road structure and at or between corners of rectangular structures.
- Drainage configurations are shown in the "Entrance Construction Details".
- Construction joint and tie bars may be omitted when curb is poured monolithic with pavement.
- Minimum Thickness for Pavement is:

Non-Residential Streets	7"
All Arterial Streets	8"

NOTE:

- Refer to Pavement Construction Details, Joints and Curbs for joint and bar requirements. Note that width and location of each poured portion of the pavement may change the type and location of joints required.
- The locations of the Type B and Type F longitudinal construction joints in the sections may be interchanged for different widths of construction if approved by the Department.
- All 1 1/2" smooth dowel bars 18" diameter shall be epoxy coated.

NOTE:

- Joint filler material shall meet ASTM designations as follows:

Blumous type	ASTM D-3465
Non extruding & resilient bituminous type (fiber)	ASTM D-1751-60T
Non extruding & resilient non bituminous type (rubber)	ASTM D-5249
- Joint sealant material shall meet ASTM and AASHTO designations as follows:

Blumous type	ASTM M-301 or ASTM D-3465
Non extruding & resilient bituminous type	ASTM D-1190-74
Non extruding & resilient non bituminous type	AASHTO M-173-84 or latest revisions thereof.

STREET	JOINT TYPE	JOINT AND BAR REQUIREMENTS	
		TRANSVERSE	LONGITUDINAL
All Arterial, Non-Residential	Transverse	1" smooth dowel bars 18" diameter @ 12' centers.	1" smooth dowel bars 18" diameter @ 12' centers.
	Longitudinal	5/8" diameter tie bars 18" diameter @ 30' centers.	5/8" diameter tie bars 18" diameter @ 30' centers.
26'-51' wide pavement	Expansion	5/8" diameter tie bars 18" diameter @ 30' centers.	5/8" diameter tie bars 18" diameter @ 30' centers.
7'-8" thick concrete	Expansion	Type A or Type A Modified	Type A or Type A Modified

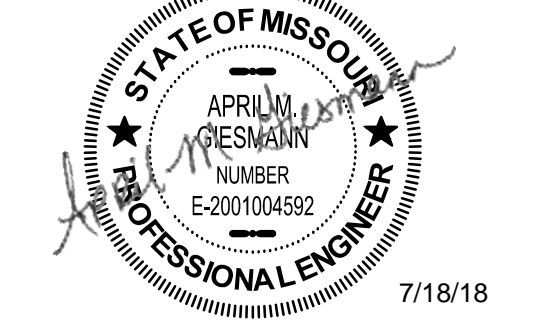
CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

PAVEMENT CONSTRUCTION DETAILS
INTEGRAL VERTICAL CURB
AND CONCRETE PAVEMENT
TYPICAL SECTIONS AND DETAILS

PRINTS ISSUED
05/11/18 - Permit Set

REVISIONS:

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CERTIFICATE OF AUTHORITY: 000169
EXPIRATION DATE: DECEMBER 31, 2018



Name: April Geismann
Discipline: Civil Engineer
License No. E2001004592
Expiration Date: 12/31/2019

RENEW O'FALLON
T.R. HUGHES BLVD
O'FALLON, MO 63366

SHEET TITLE DETAILS

PROJECT NUMBER: 17050

SHEET NUMBER:

C10.1

DRAWN BY: AMH CHECKED BY: AMG