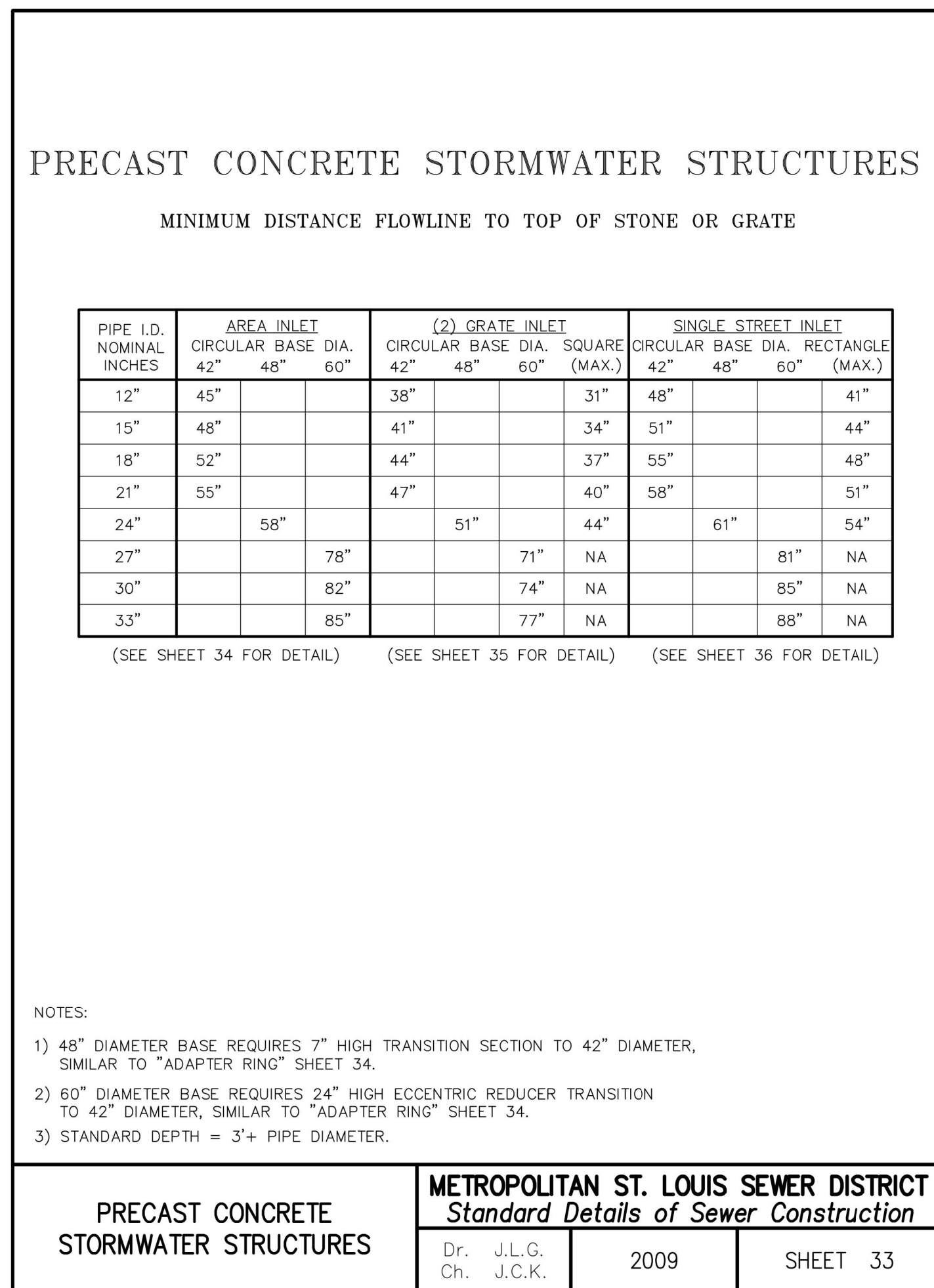
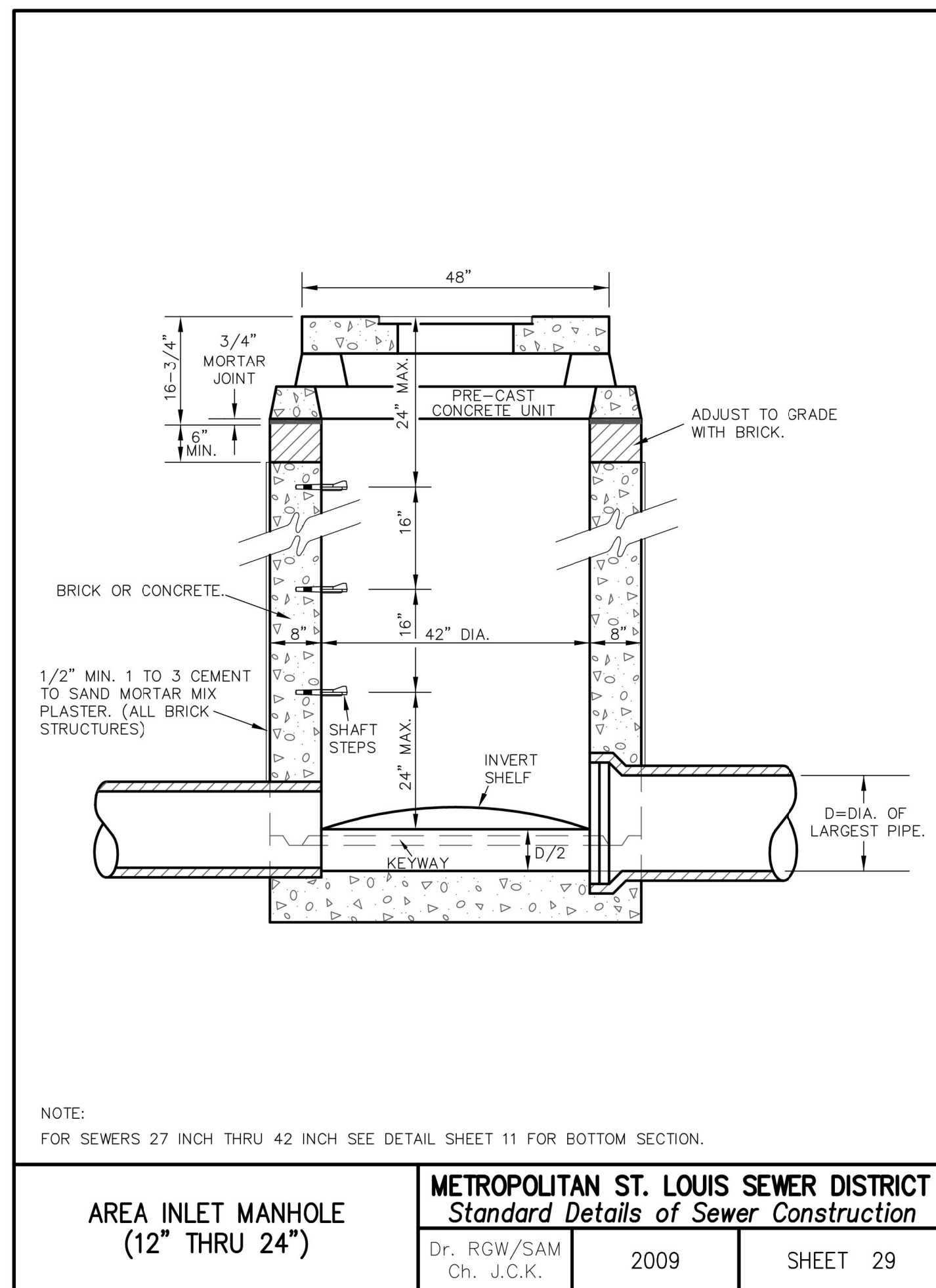
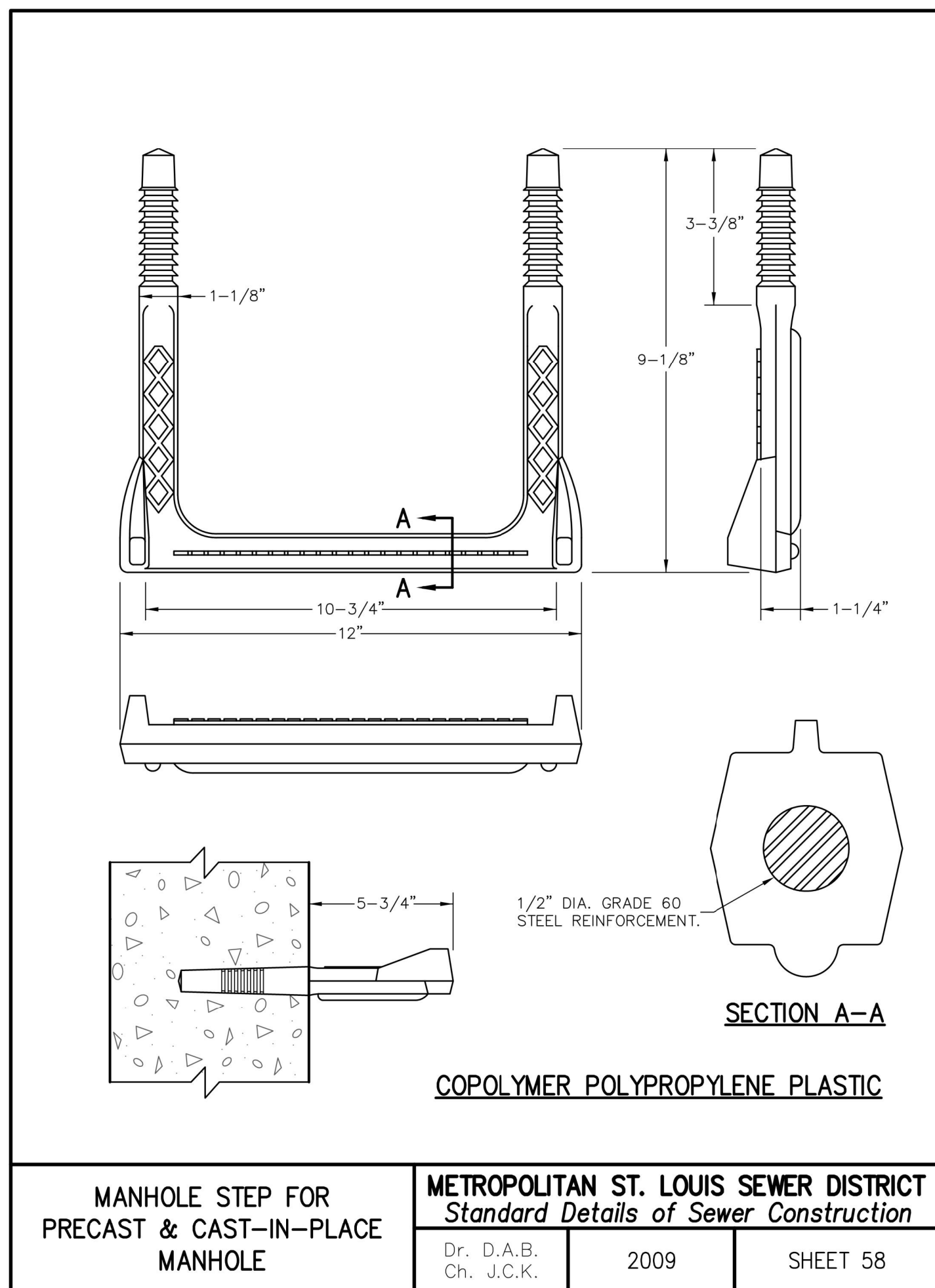
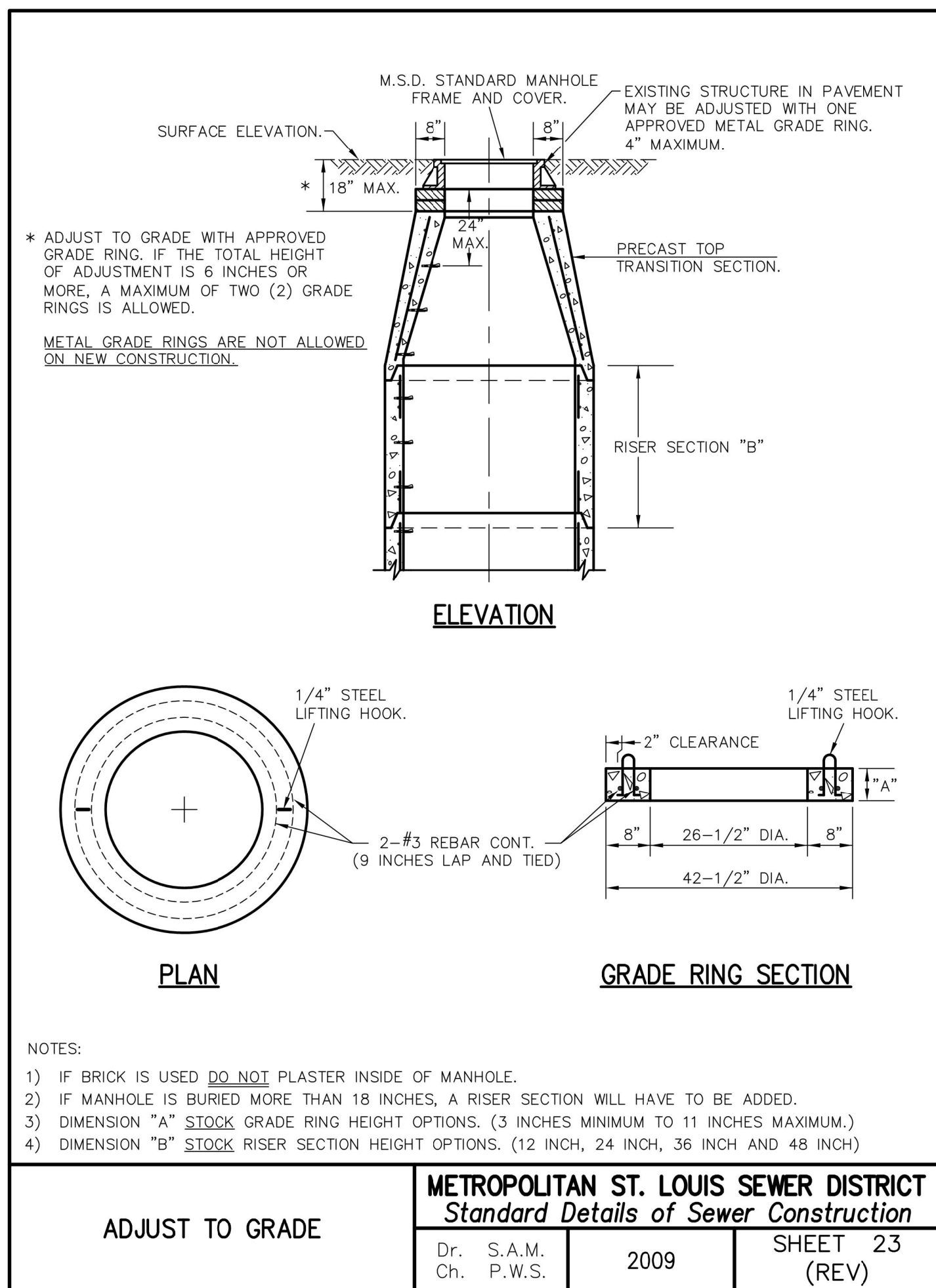
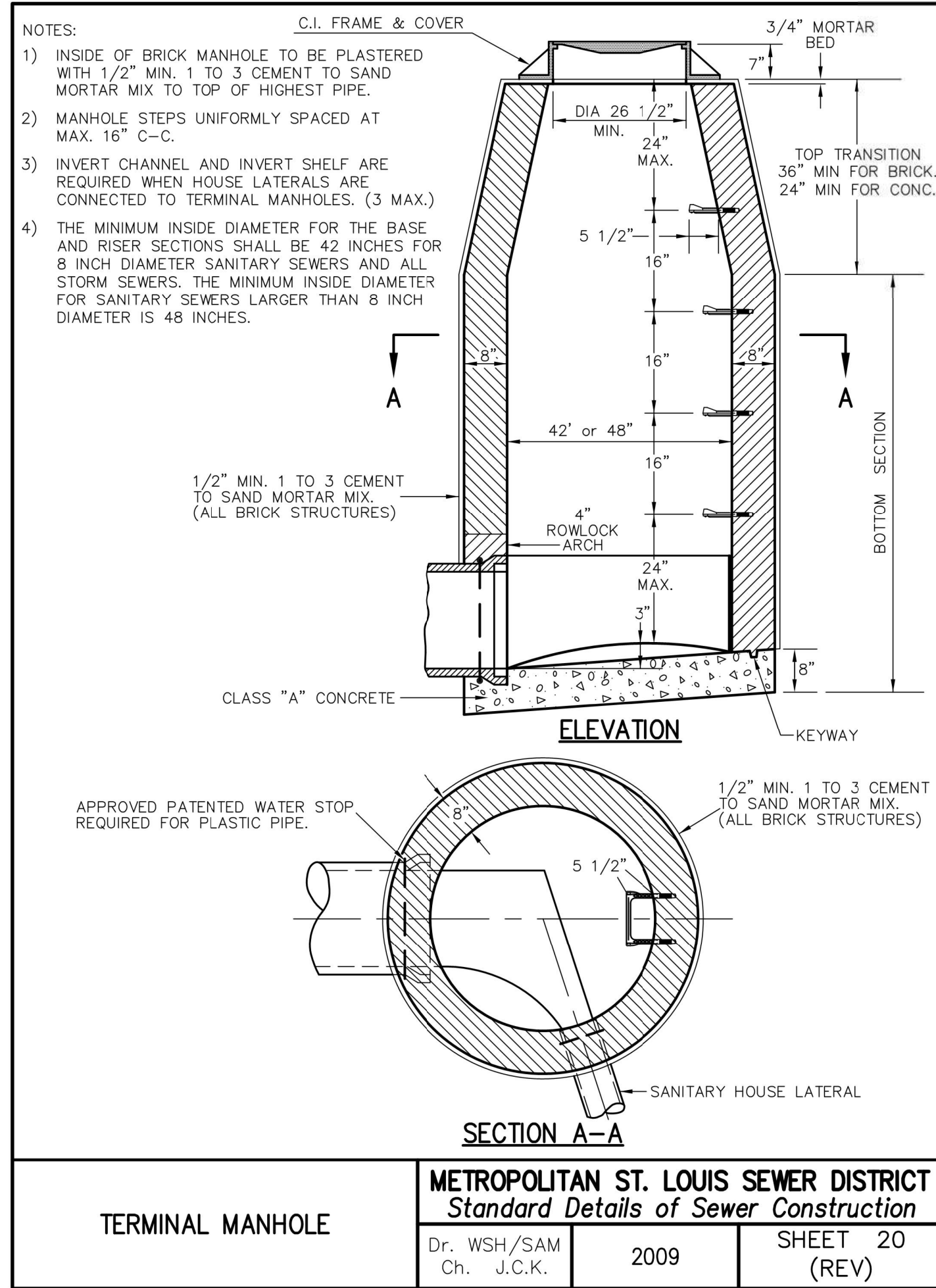
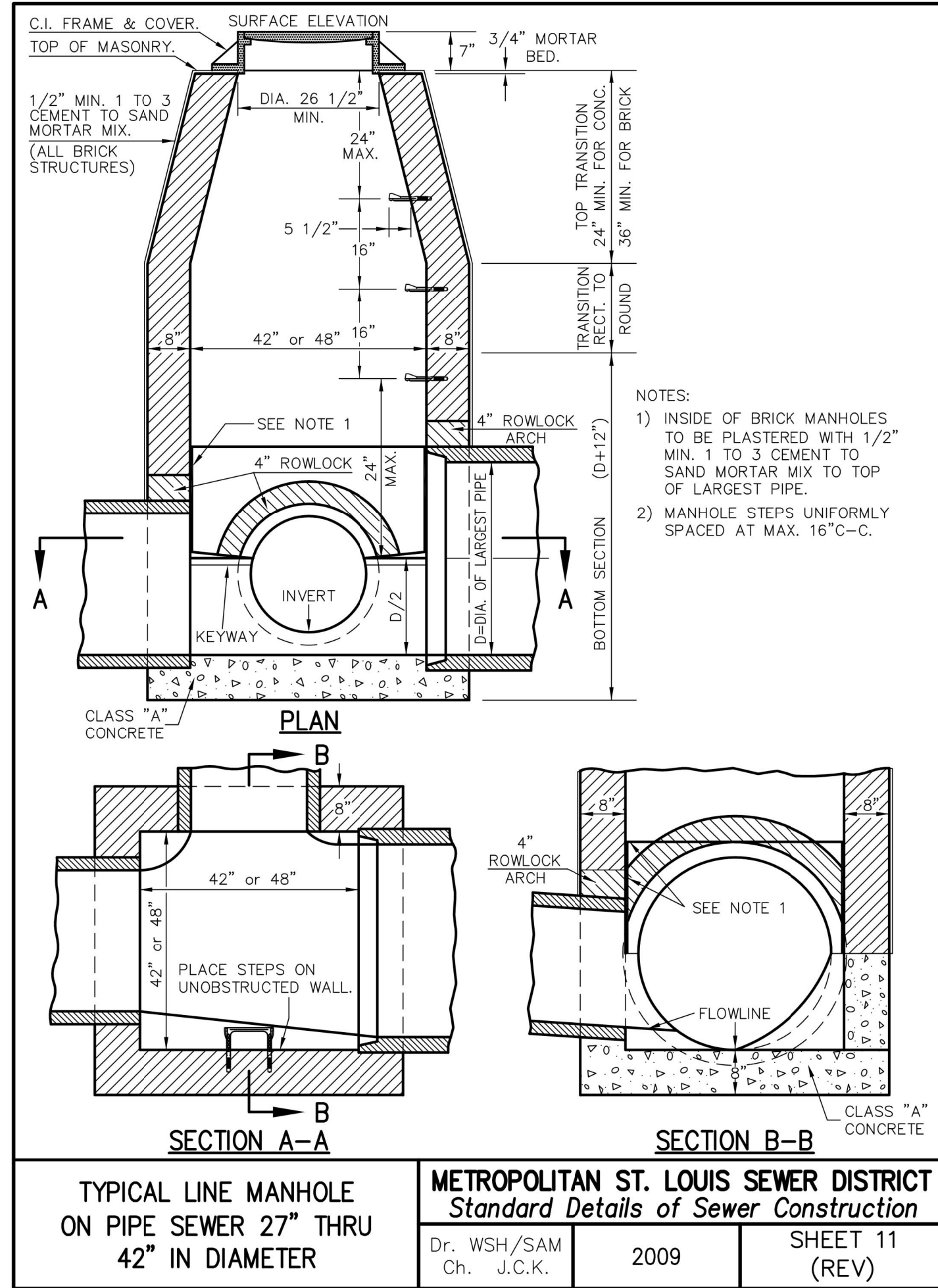
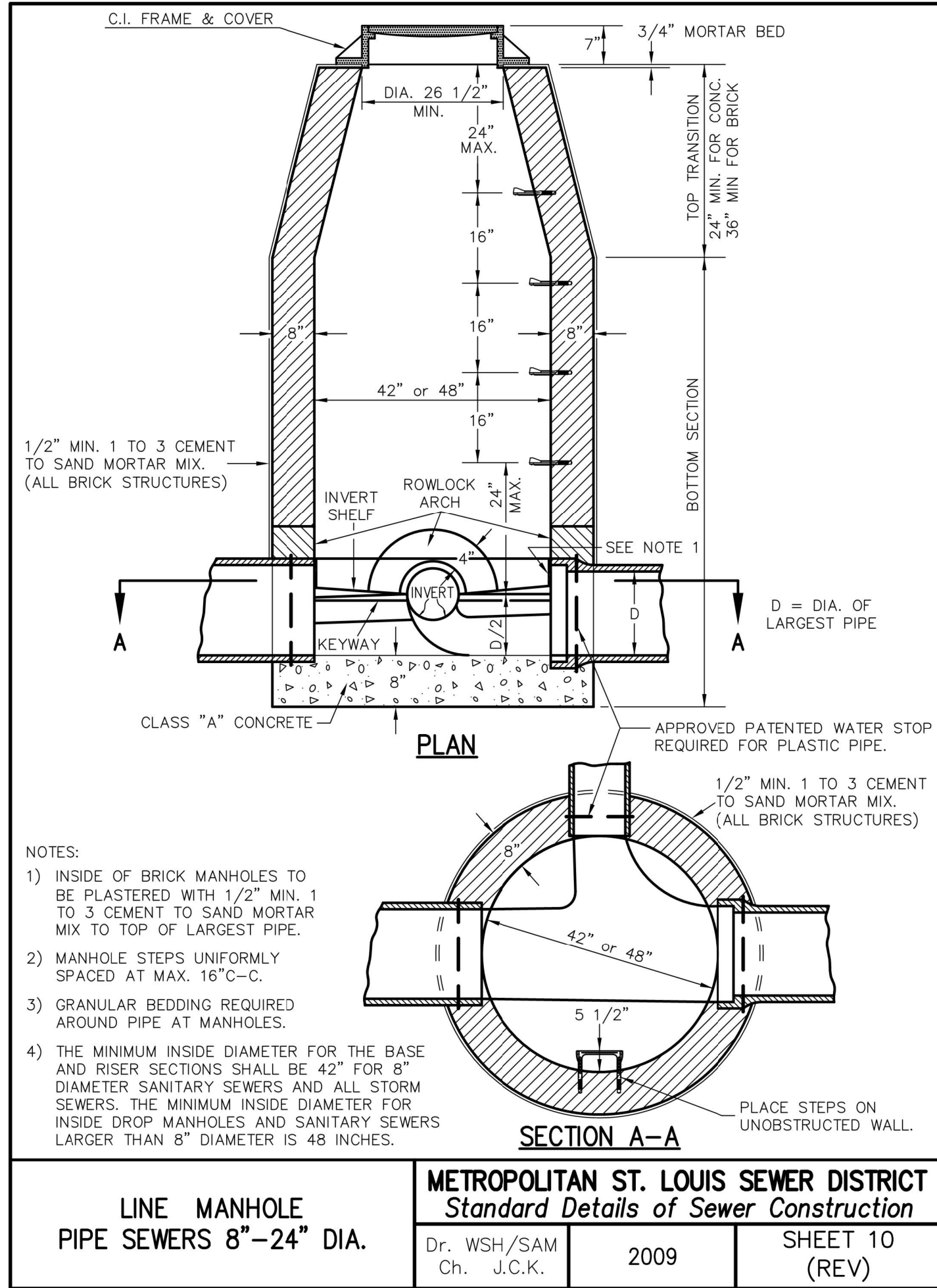
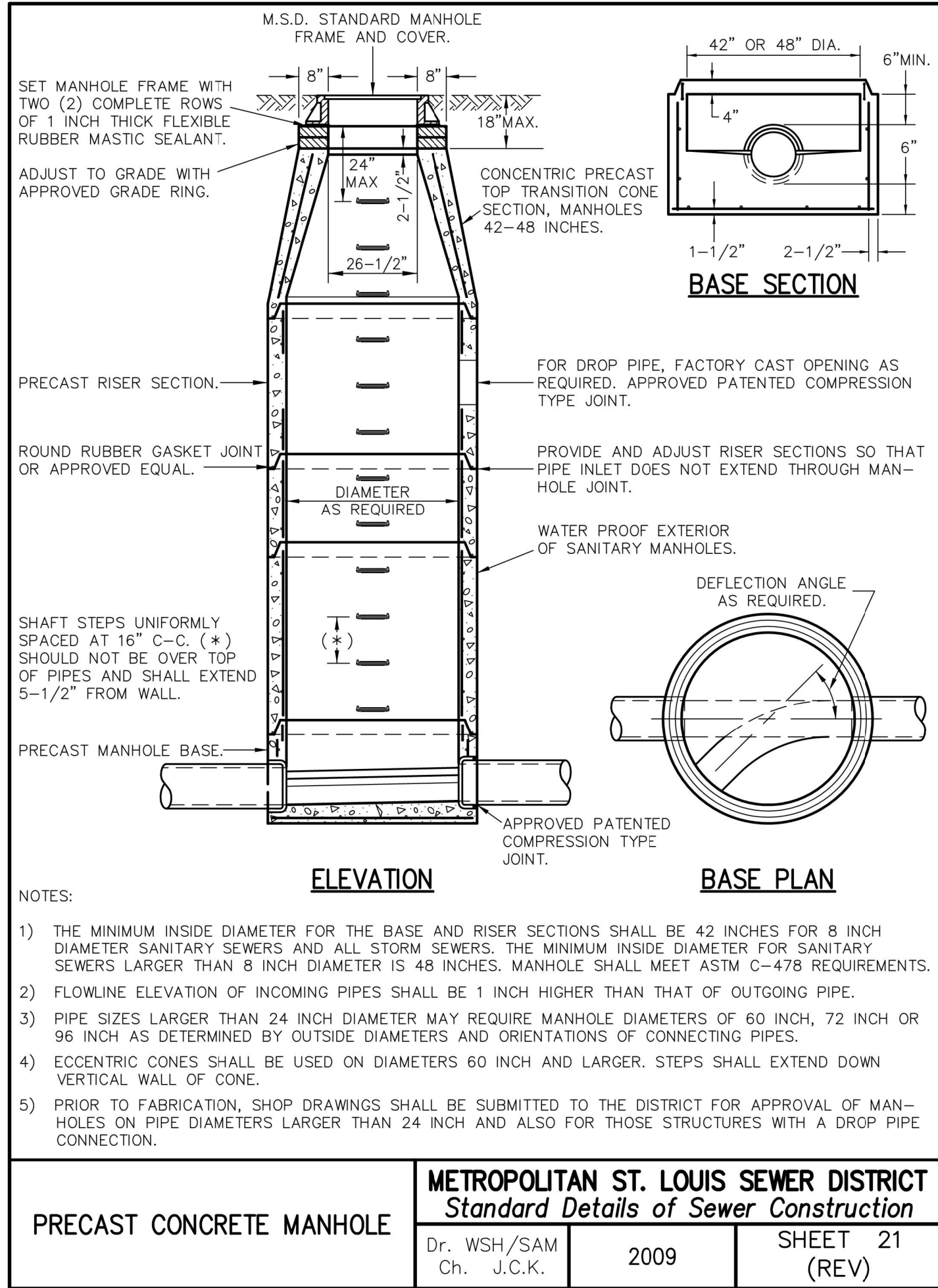


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314.890.1250 Fax
www.volzinc.com
Authority #203

7/1/25
TIMOTHY J. MEYER
Professional Engineer
MO E-24665

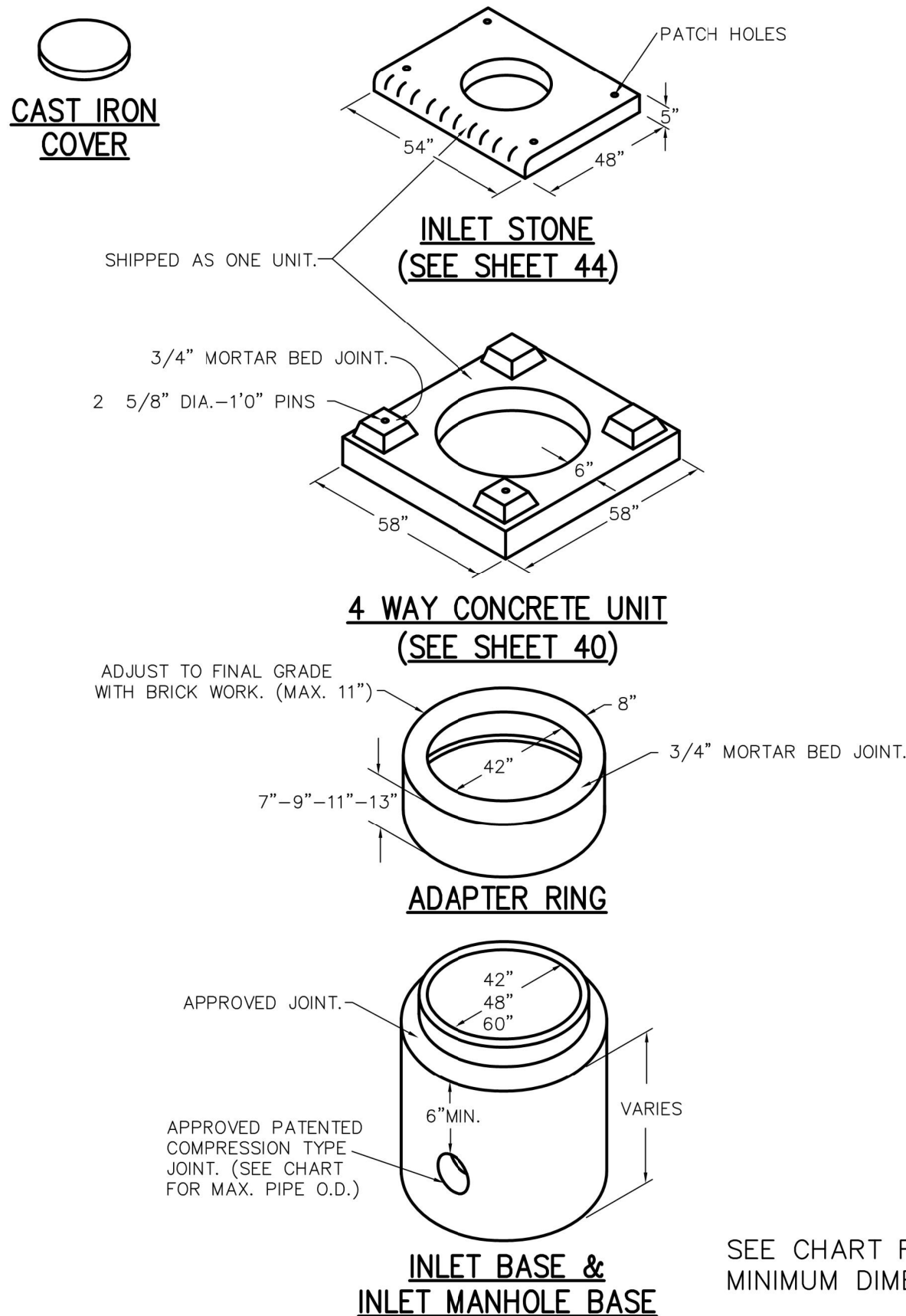
**CONSTRUCTION DETAILS:
SHEET 4**

PARCEL ID: 23119-178-00-00245
CITY OF OF FALLON
PERMIT NO: 18925-00001
PROJECT #23444

8265 MEXICO ROAD,
OF FALLON, MO 63376

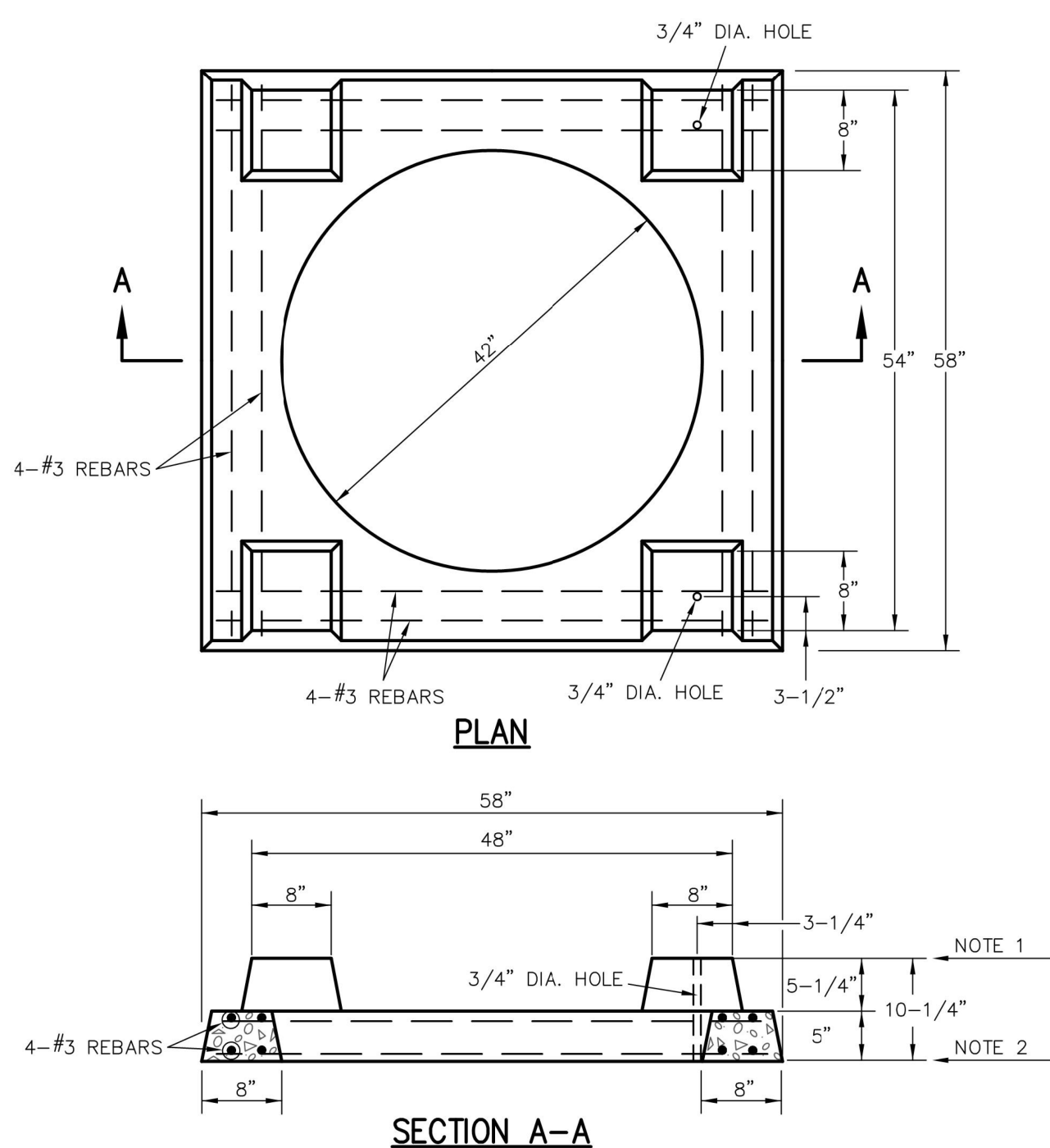
07-01-25
C30

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SEE CHART FOR
MINIMUM DIMENSIONS.

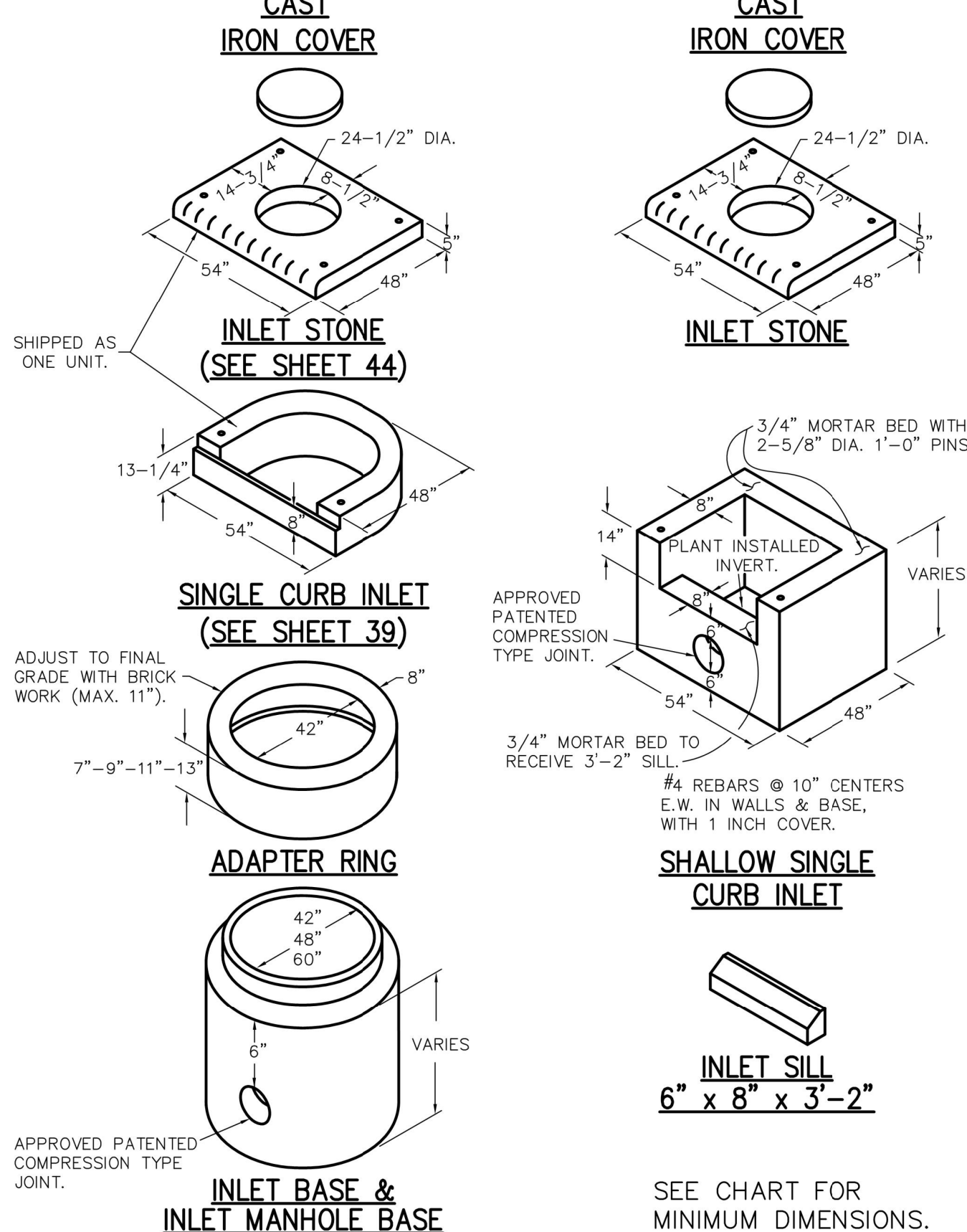
AREA INLET PRECAST CONCRETE	METROPOLITAN ST. LOUIS SEWER DISTRICT <i>Standard Details of Sewer Construction</i>		
	Dr. JLG/SAM Ch. J.C.K.	2009	SHEET 34



NOTES:

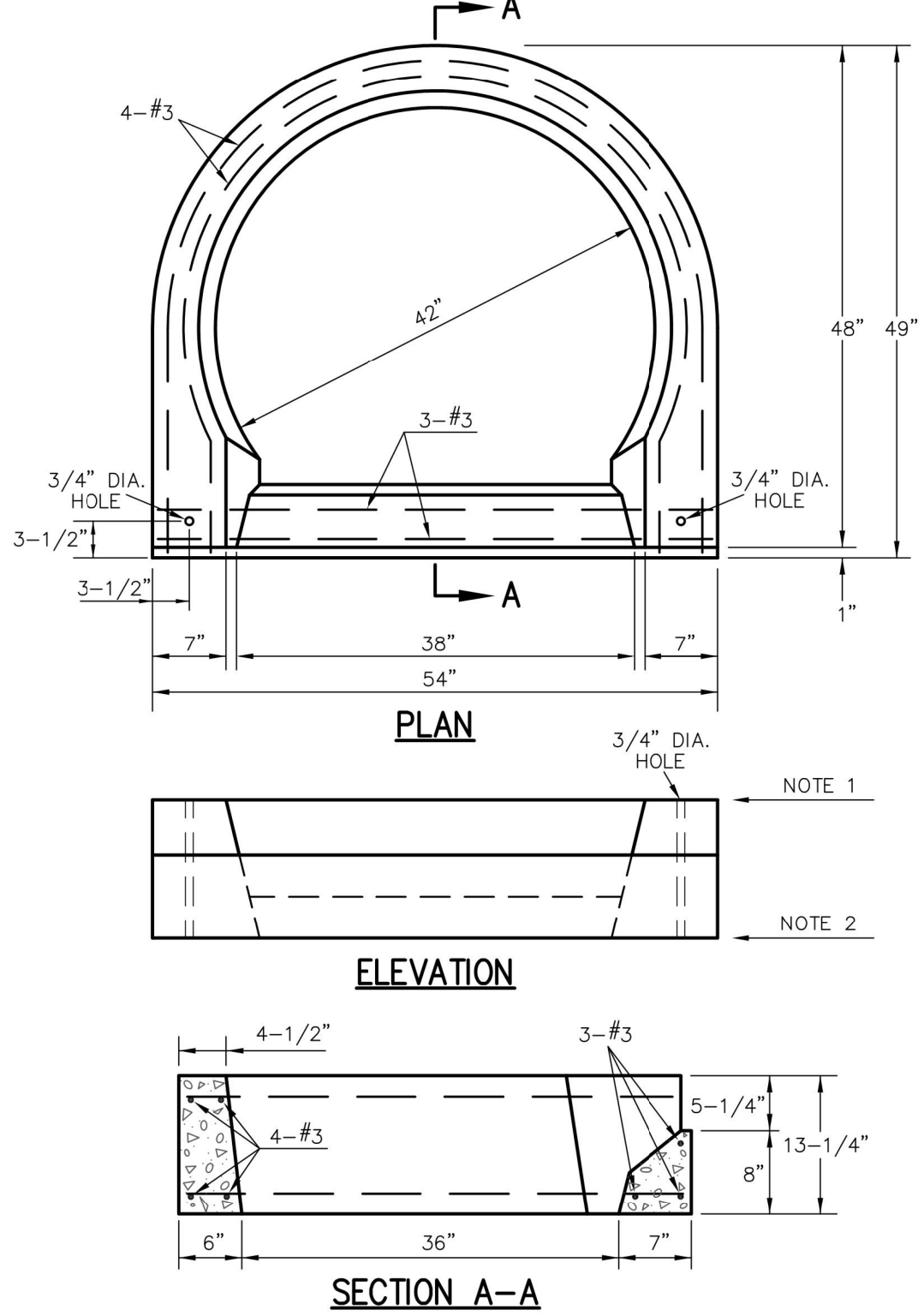
- 1) SET STANDARD INLET STONE IN 3/4" MORTAR BED AND DOWEL WITH 5/8" DIA. 1'-0" LONG PINS AND GROUT.
- 2) RAISE TO FINAL GRADE WITH COURSES OF BRICK AND SET THE UNIT TO BASE WITH 3/4" MORTAR BED.
- 3) THIS UNIT IS TO BE USED WITH 42 INCH I.D. BASE.
- 4) 5000 P.S.I. CONCRETE IS REQUIRED.

PRECAST CONCRETE UNIT FOR 4 WAY AREA INLET	METROPOLITAN ST. LOUIS SEWER DISTRICT <i>Standard Details of Sewer Construction</i>		
	Dr. DAB/SAM Ch. J.C.K.	2009	SHEET 40



SEE CHART FOR
MINIMUM DIMENSIONS.

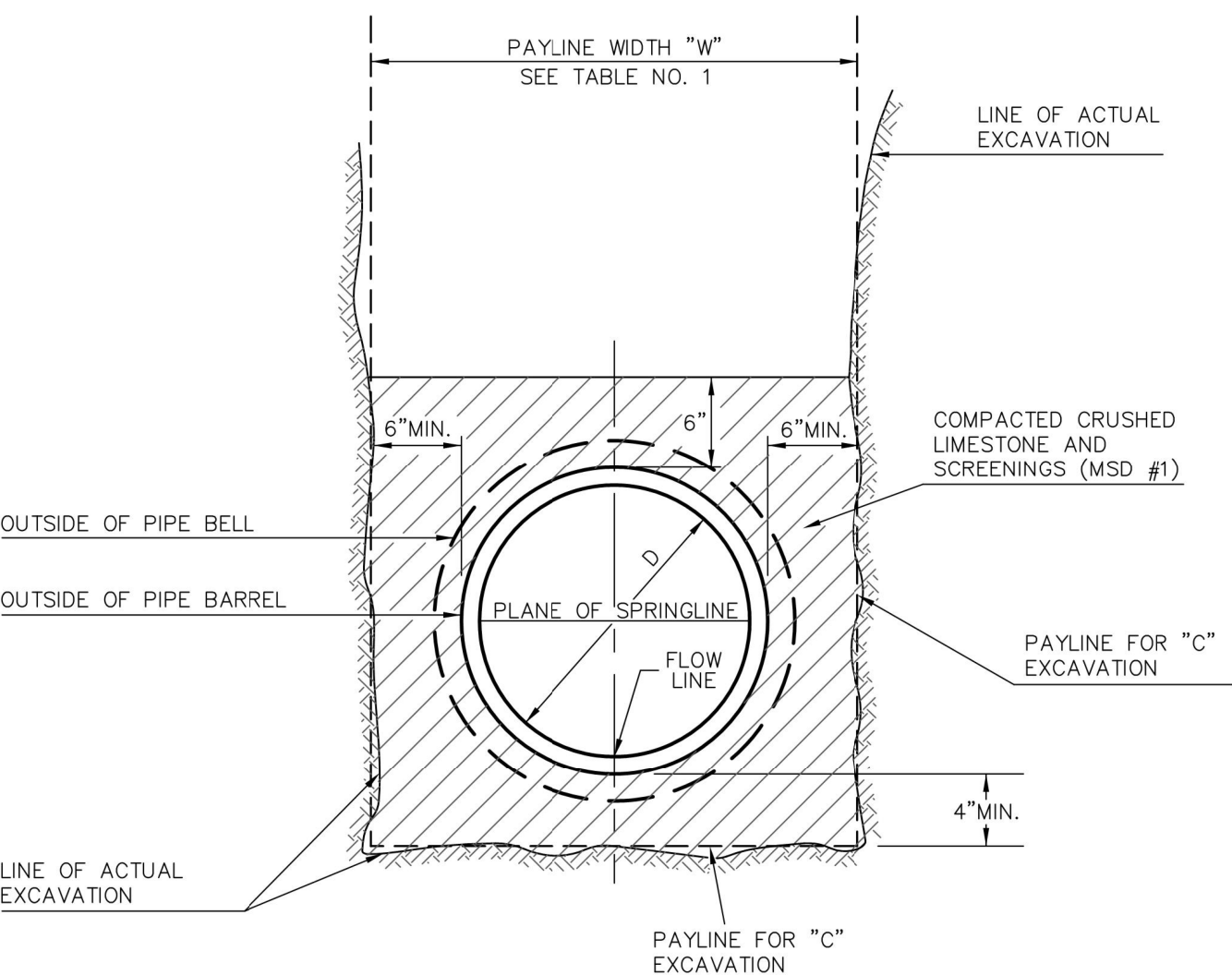
SINGLE STREET INLETS PRECAST CONCRETE	METROPOLITAN ST. LOUIS SEWER DISTRICT <i>Standard Details of Sewer Construction</i>		
	Dr. JLG/SAM Ch. J.C.K.	2009	SHEET 36



NOTES:

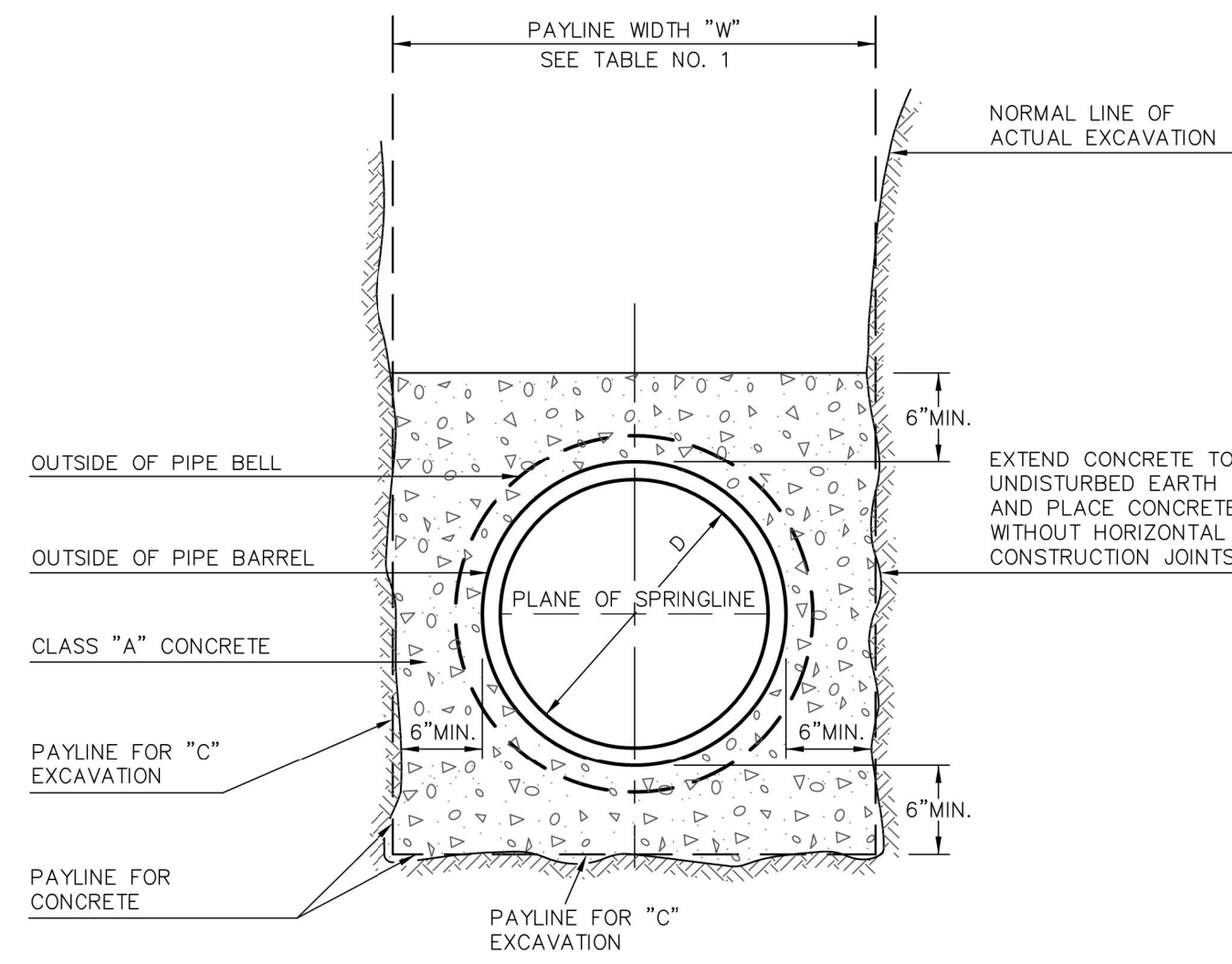
- 1) SET STANDARD INLET STONE IN 3/4" MORTAR BED AND DOWEL WITH 5/8" DIA. 1'-0" LONG PINS AND GROUT.
- 2) RAISE TO FINAL GRADE WITH COURSES OF BRICK AND SET THE UNIT TO BASE WITH 3/4" MORTAR BED.
- 3) THIS UNIT IS TO BE USED WITH 42 INCH I.D. POURED-IN-PLACE CONCRETE OR BRICK BASE.
- 4) 5000 P.S.I. CONCRETE IS REQUIRED.

PRECAST CONCRETE UNIT FOR SINGLE STREET INLET	METROPOLITAN ST. LOUIS SEWER DISTRICT <i>Standard Details of Sewer Construction</i>		
	Dr. WSH/SAM Ch. J.C.K.	2009	SHEET 39



PIPE BEDDING CLASS "C"
(FOR ALL 6" to 18" PIPE EXCEPT
REINFORCED CONCRETE PIPE)

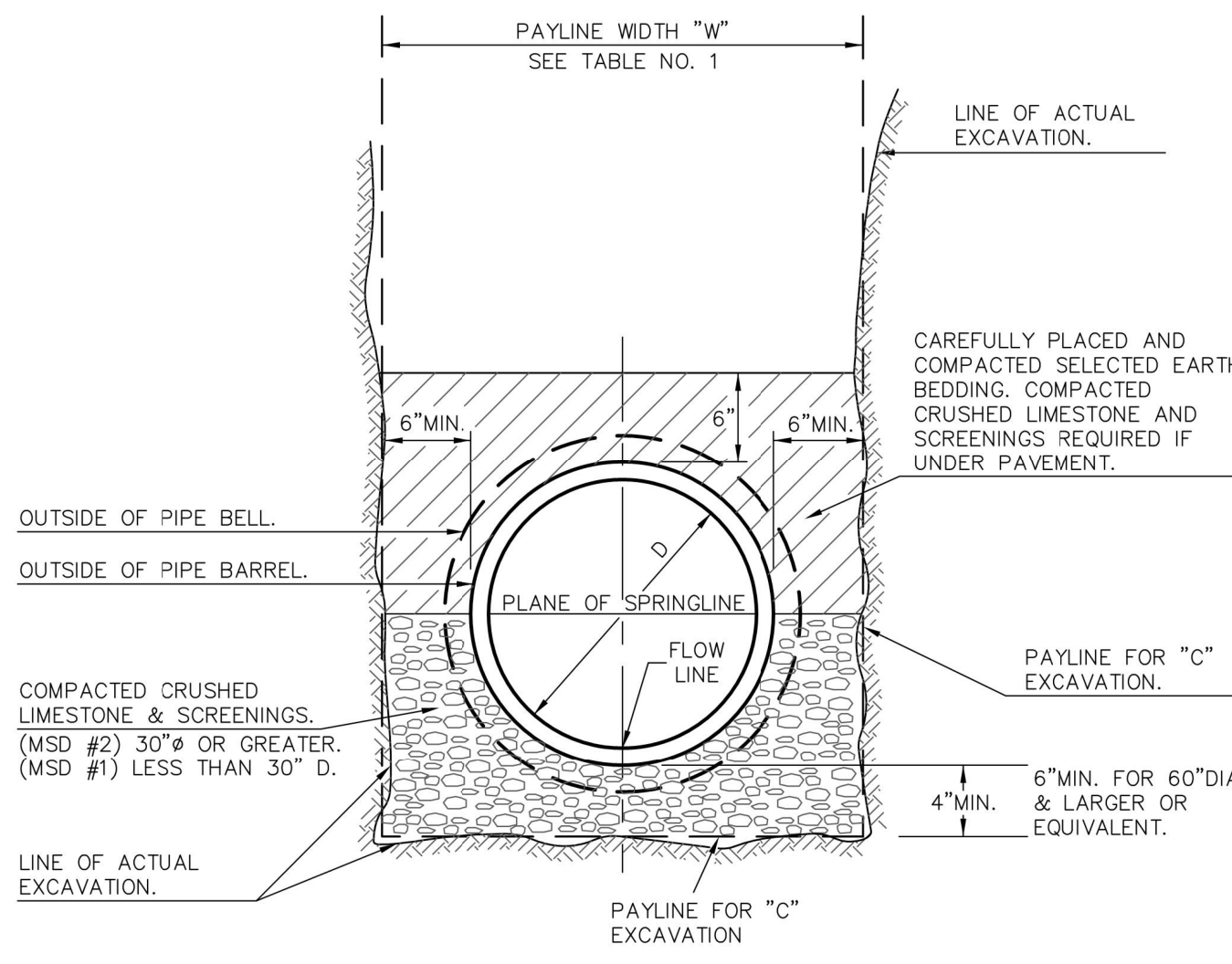
METROPOLITAN ST. LOUIS SEWER DISTRICT <i>Standard Details of Sewer Construction</i>			
Dr. W.S.H. Ch. J.C.K.	2009	SHEET 4	



NOTE:

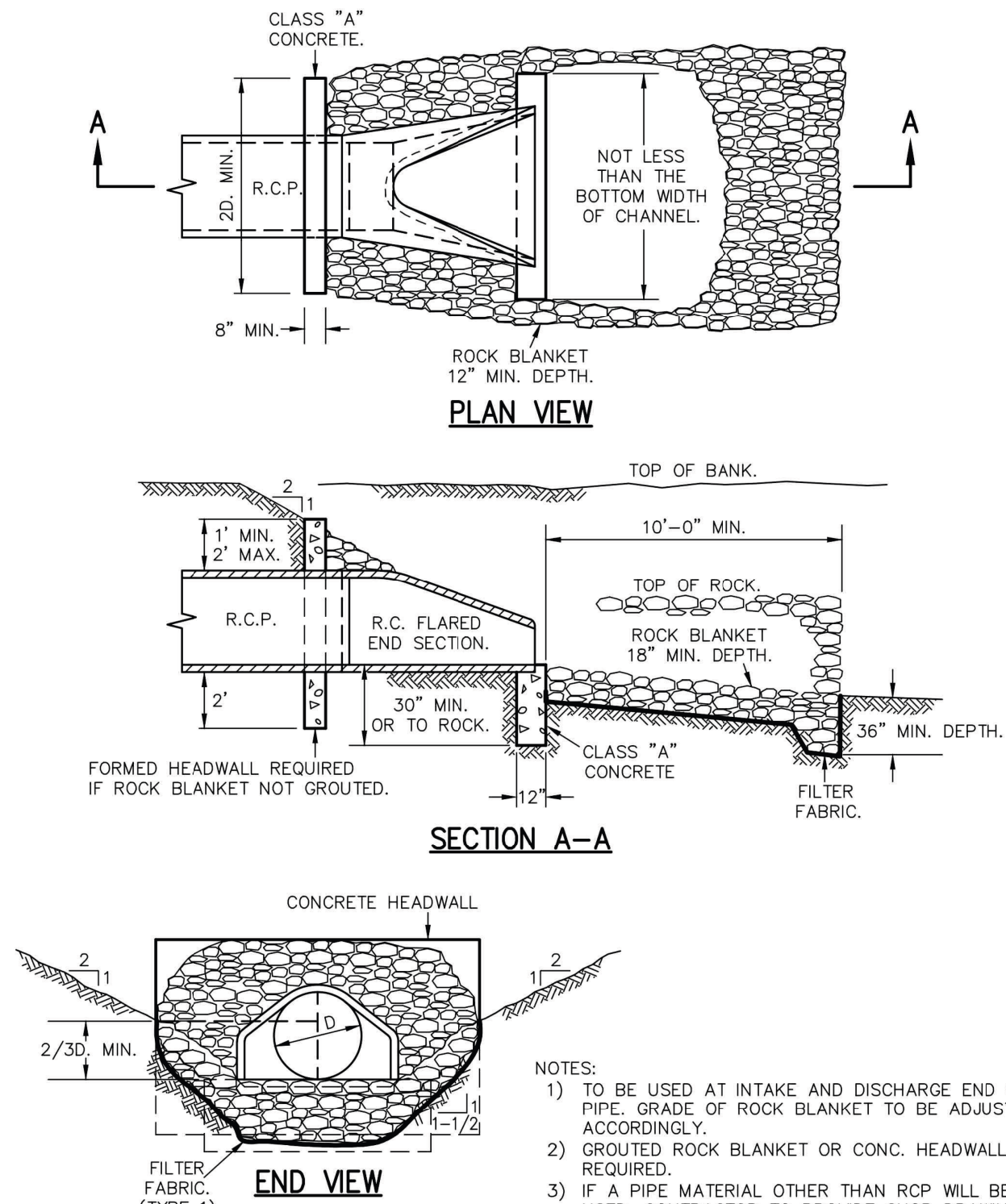
SUPPORT PIPE TO PREVENT DISPLACEMENT DURING PLACEMENT OF CONCRETE.

CONCRETE ENCASEMENT	METROPOLITAN ST. LOUIS SEWER DISTRICT <i>Standard Details of Sewer Construction</i>		
	Dr. W.S.H. Ch. J.C.K.	2009	SHEET 8



PIPE BEDDING CLASS "C"
(MODIFIED FOR REINFORCED
CONCRETE PIPE)

METROPOLITAN ST. LOUIS SEWER DISTRICT <i>Standard Details of Sewer Construction</i>			
Dr. W.S.H. Ch. J.C.K.	2009	SHEET 5	



FLARED END SECTION

METROPOLITAN ST. LOUIS SEWER DISTRICT <i>Standard Details of Sewer Construction</i>			
Dr. WSH/SAM Ch. J.C.K.	2009	SHEET 55	

CONSTRUCTION DETAILS:
SHEET 5

PARCEL ID: 23115-178-00-00245
CITY OF OFALLON
PERMIT NO: 65925-00001
PROJECT E2344

07-01-25
C37

STRAWBERRY FARMS

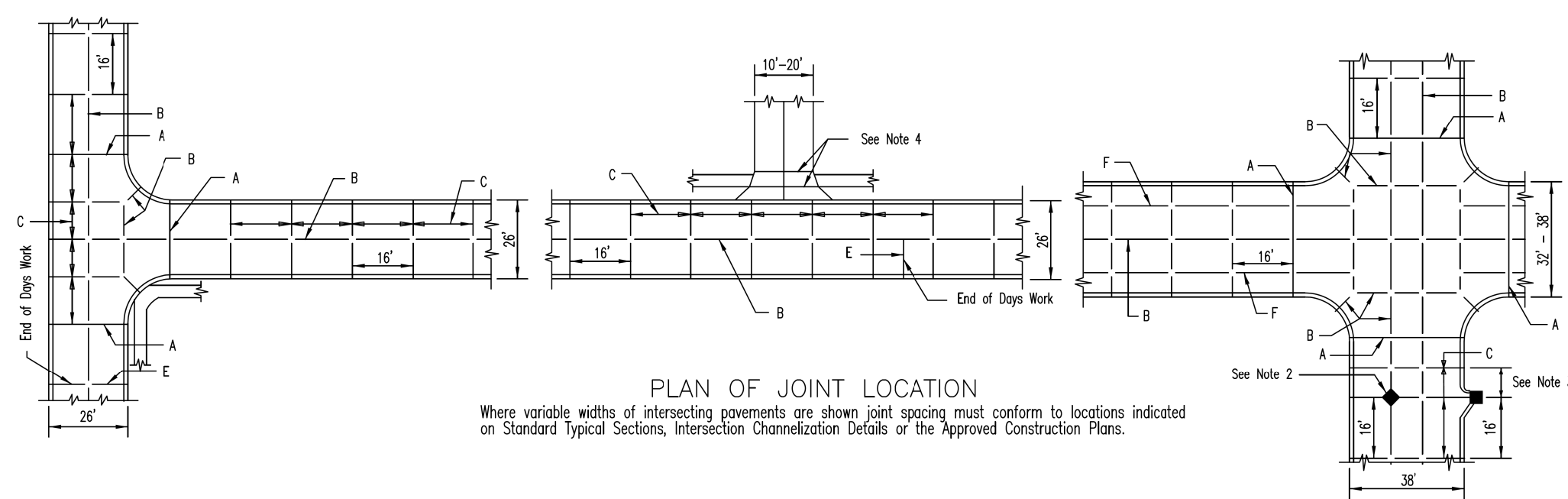
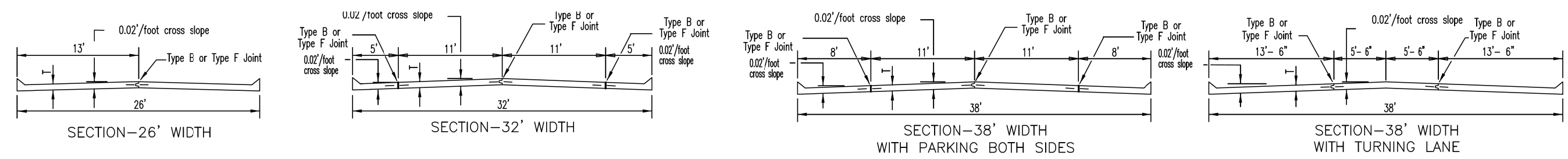
7/1/25
TIMOTHY JOHN MEYER
NUMBER
E-24665
TIMOTHY J MEYER
Professional Engineer
MO E-24665

McKelvey
HOMES
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314.890.1250 Fax
www.volzinc.com
Authority #203

H:\CAD\234500\234500-23444-VmpPlan\Improvement Plans\23444 - C32 Construction Details Sheet 6.dgn: 7/1/2025 10:43:55 AM Plotted by: eherman Plot Scale: 10.0000 at 11 in. Plot Driver: Volz15 Pkg: plot.ctb Run Table: Volz15 Plot: Full.bti

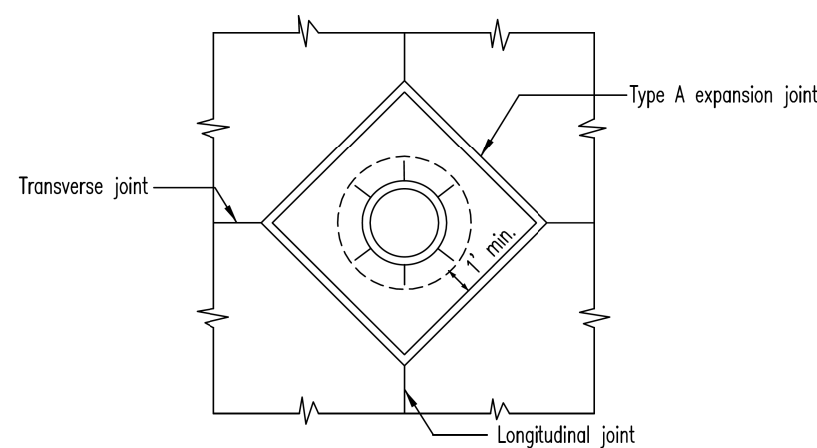
153



Where variable widths 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 curb by expansion joint material extending completely through curb and slab. Manhole casting 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 round structures and at or between corners of rectangular structures.
- Driveway configurations are shown in the "Entrance Construction Details".
- Construction joints and tie bars may be omitted when curb is poured monolithic with pavement.
- Minimum Thickness for Pavement is:
Residential 26' wide Streets 6"
Residential 32'-38' wide Streets 7"
- For joint and bar requirements refer to the Pavement Construction Details for Joints and Curbs. Std. Dwg. C502.03. Note that the width and location may change the type of joint required.
- 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 locations of the Type B longitudinal construction joints in the sections may be interchanged for the different widths of construction if approved by the Department.



MANHOLE BOXING

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
INTEGRAL ROLLED CURB AND
CONCRETE PAVEMENT

STREET	JOINT TYPE	JOINT AND BAR REQUIREMENTS	
3 LANE RESIDENTIAL 32'-38' wide pavement 7" thick concrete 7' thick concrete	Transverse	TYPE C no steel bars	
	Longitudinal	Within a poured section: TYPE F 5/8" ϕ deformed tie bars 18"lg. @ 30" ctrs.	At the edge between two poured sections: TYPE B 5/8" ϕ deformed tie bars 30"lg. @ 30" ctrs.
	Expansion	TYPE A no steel bars	
RESIDENTIAL 2 LANE 26' wide pavement 6" thick concrete	Transverse	TYPE C no steel bars	
	Longitudinal	Full Width Construction TYPE F modified with 1/2" ϕ deformed tie bars 18"lg. @ 30" ctrs.	Half Width Construction: TYPE B modified with 1/2" ϕ deformed tie bars 30"lg. @ 30" ctrs.
	Expansion	TYPE A no steel bars	

NOTE

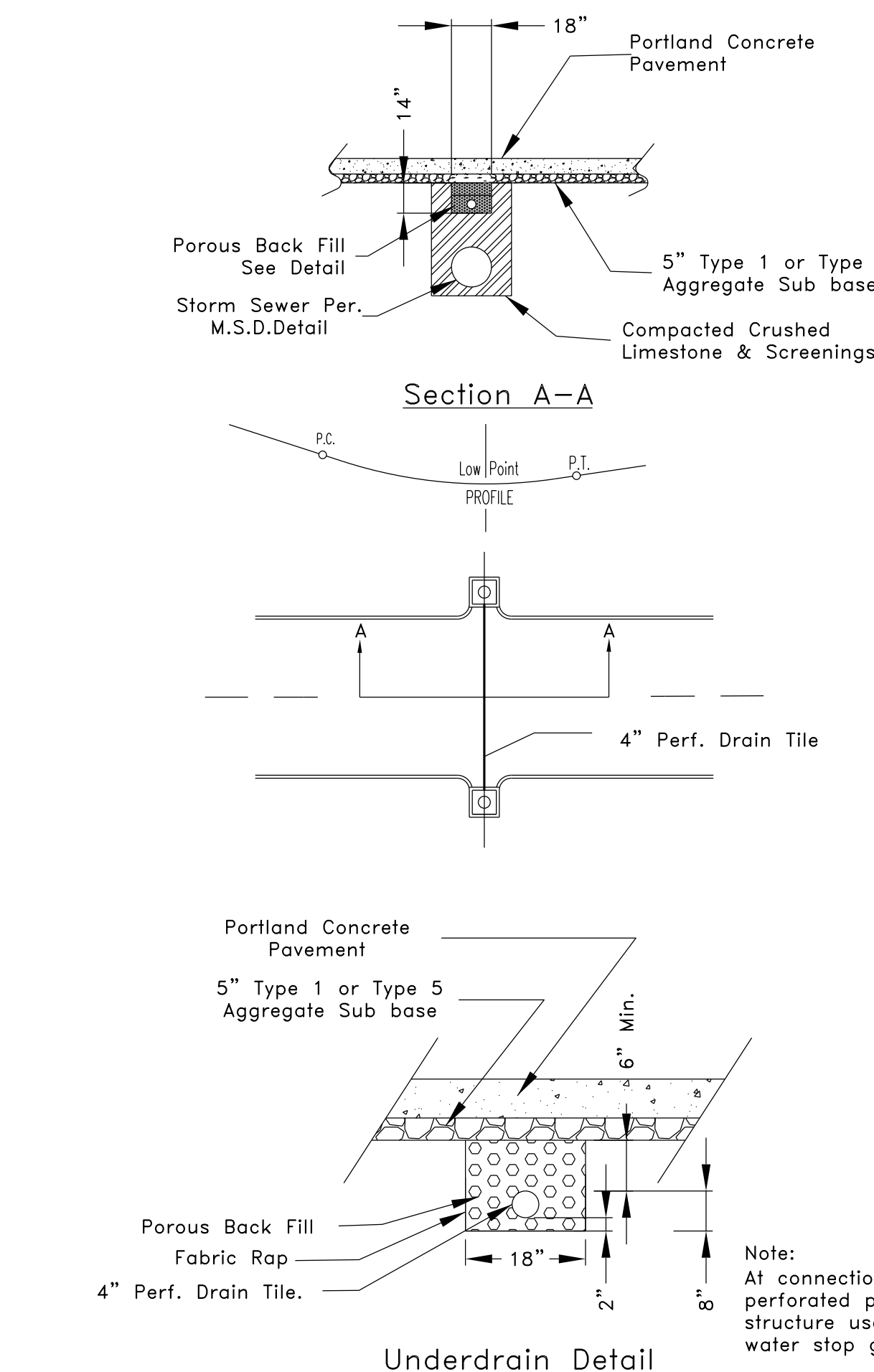
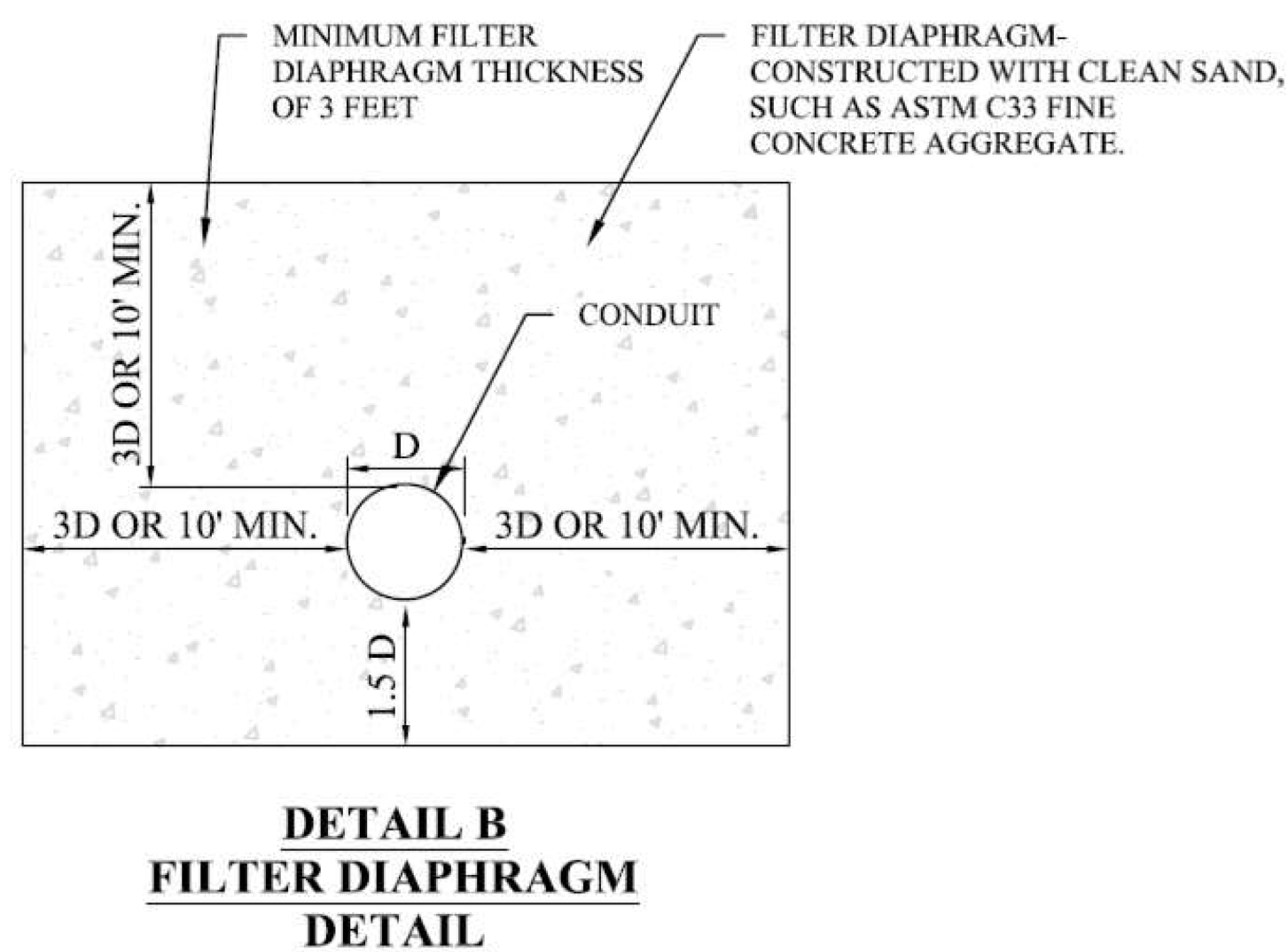
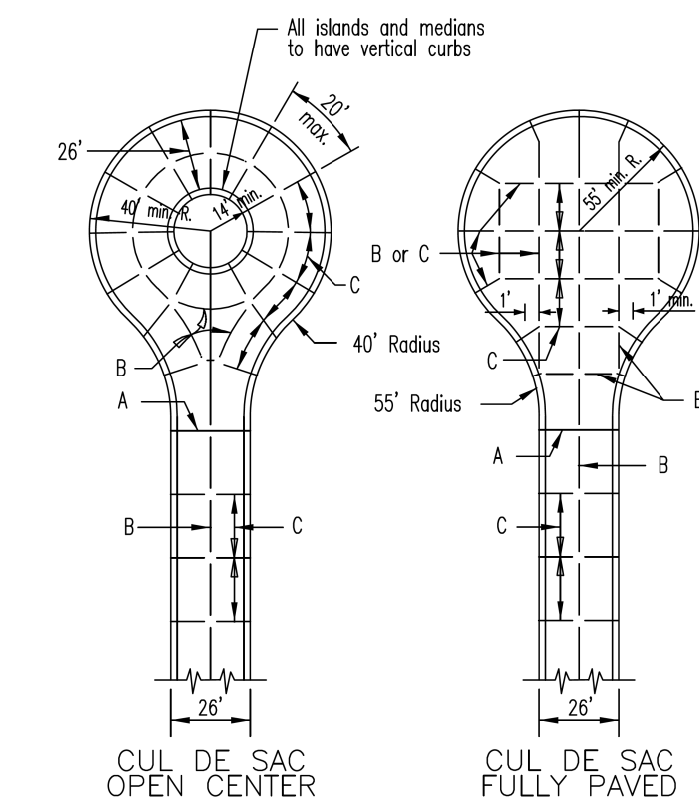
Joint filler material shall meet ASTM designations as follows:

Bituminous type ASTM D-984-53
Non extruding & resilient bituminous type (fiber) ASTM D-1751-60T
Non extruding & resilient non bituminous type (rubber) ASTM D-5249

NOTE

Joint sealant material shall meet ASTM and MSHTO designations as follows:

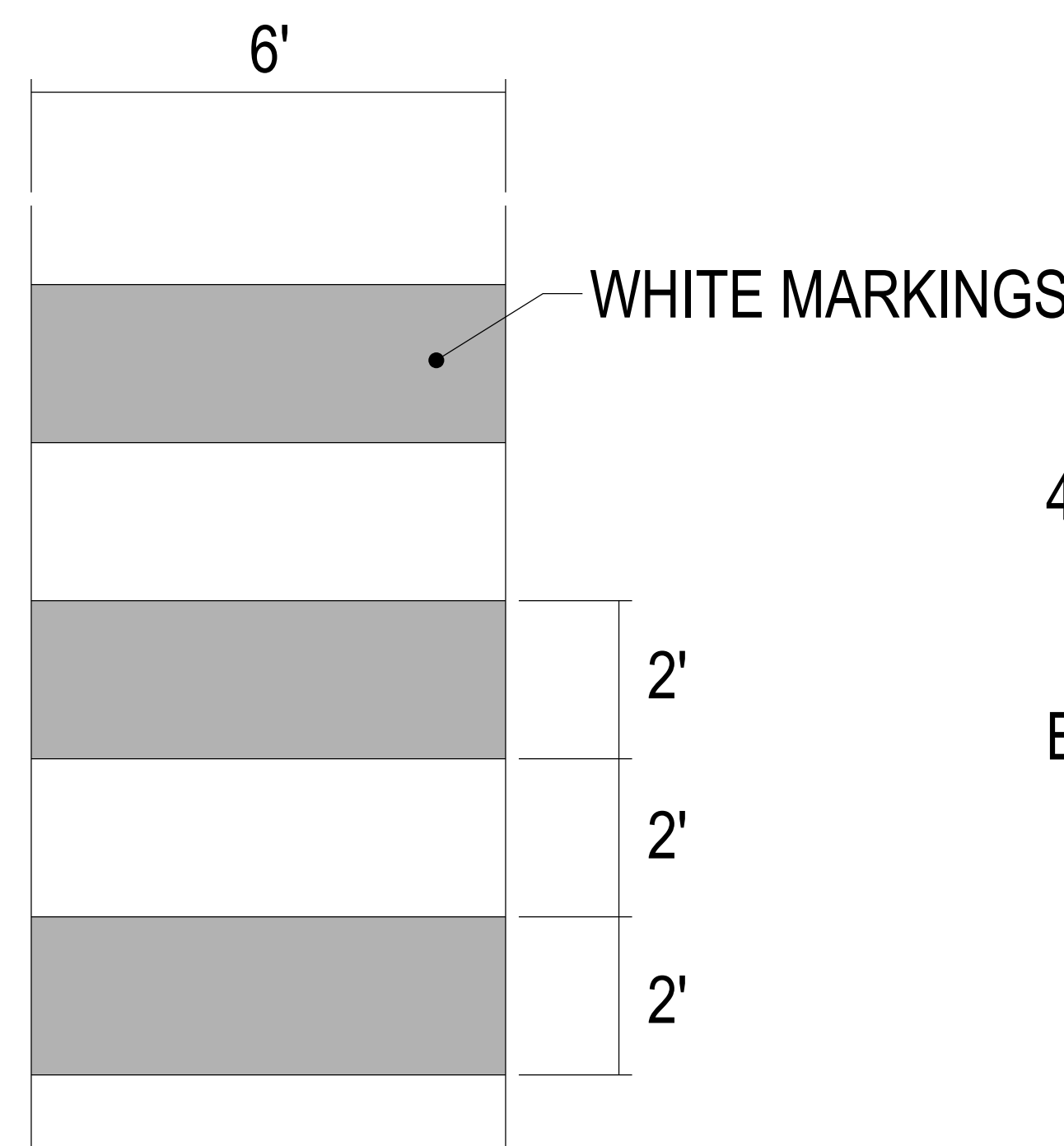
ASTM D-3405 AASHTO M-301 or
ASTM D-1190-74 AASHTO M-173-84
or latest revisions thereof.



CLASS A UNDERDRAINS

NTS

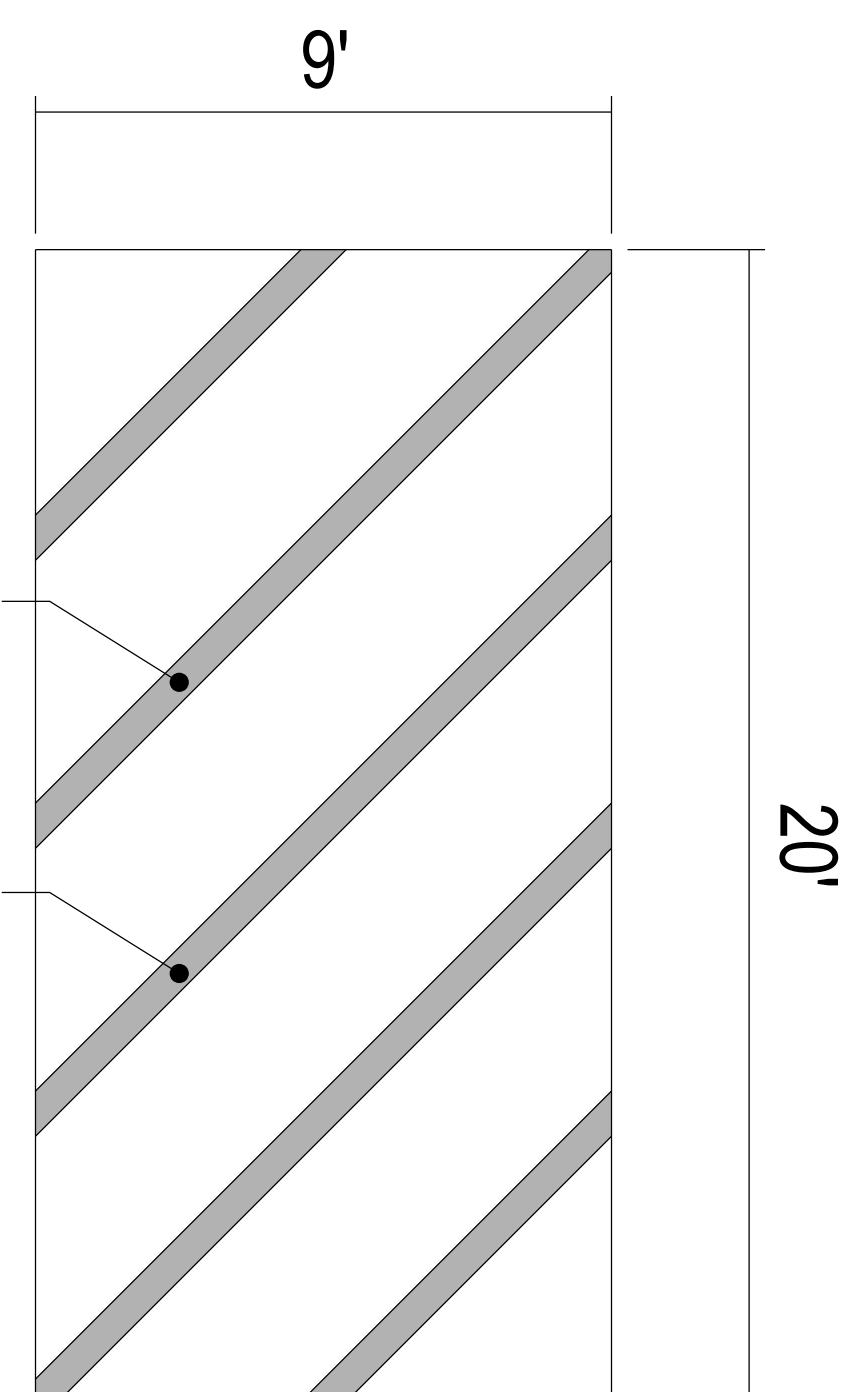
CITY OF OTTAWA
ENGINEERING DEPARTMENT
OTTAWA, MISSOURI
CLASS A
UNDERDRAINS



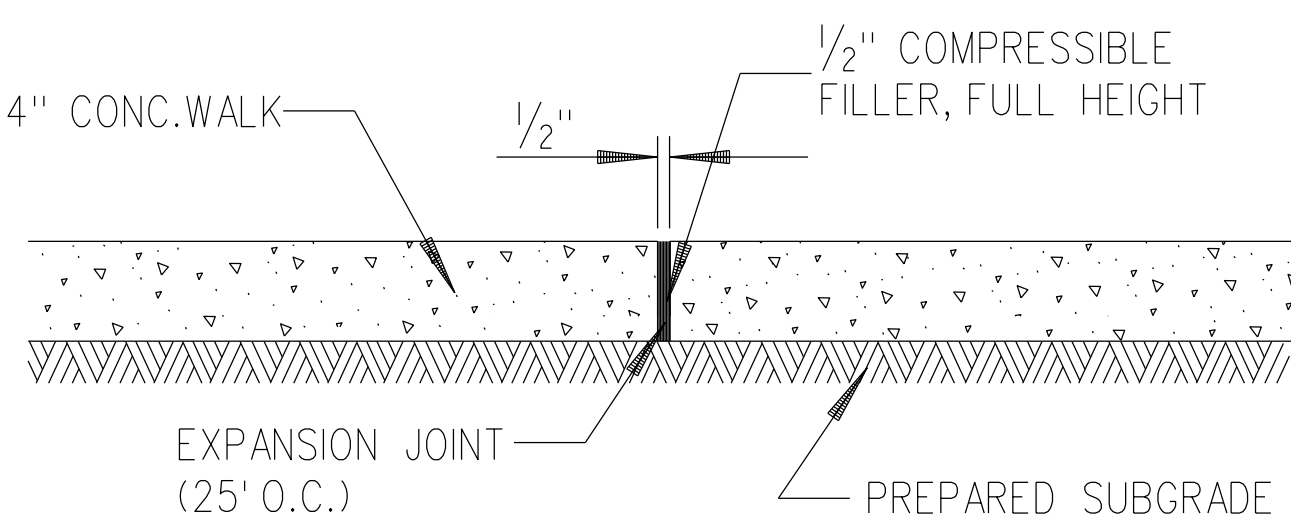
CROSS-WALK STRIPING

GENERAL NOTES

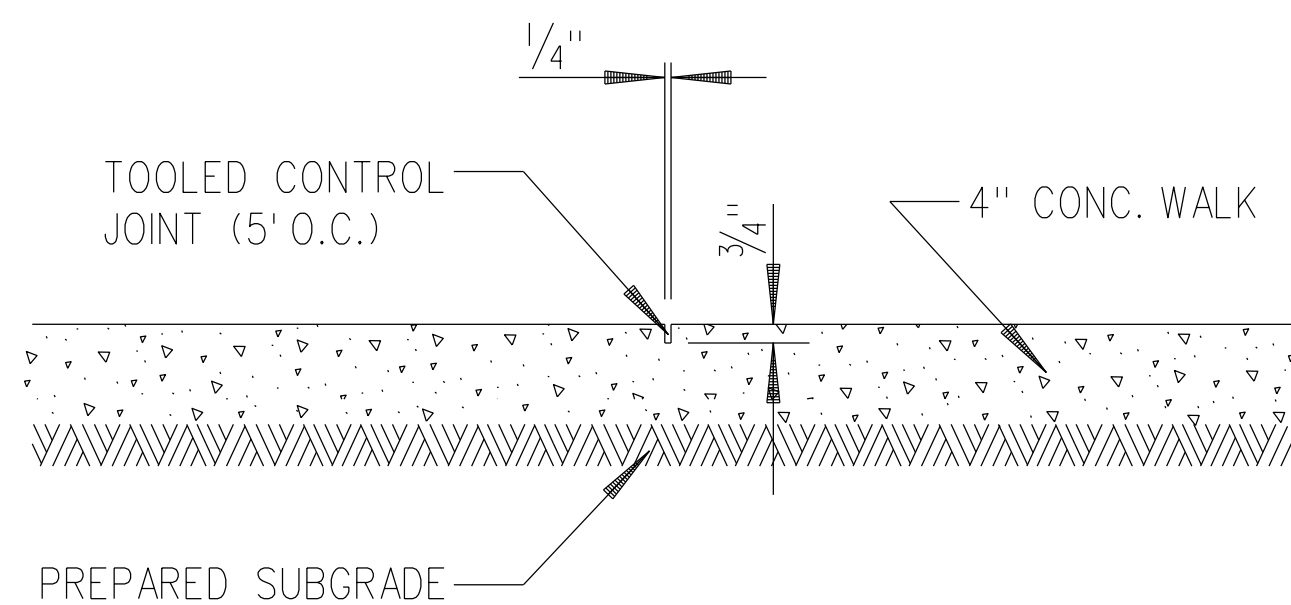
- THE HANDICAP ACCESS AREA AND SYMBOL SHALL BE PAINTED BLUE.
- STRIPING SHALL MEET AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) STANDARDS AND THE NATIONAL ASSOCIATION OF CITY TRANSPORTATION OFFICIALS (NACTO) STANDARDS.



HANDICAP ACCESS STRIPING



EXPANSION JOINT

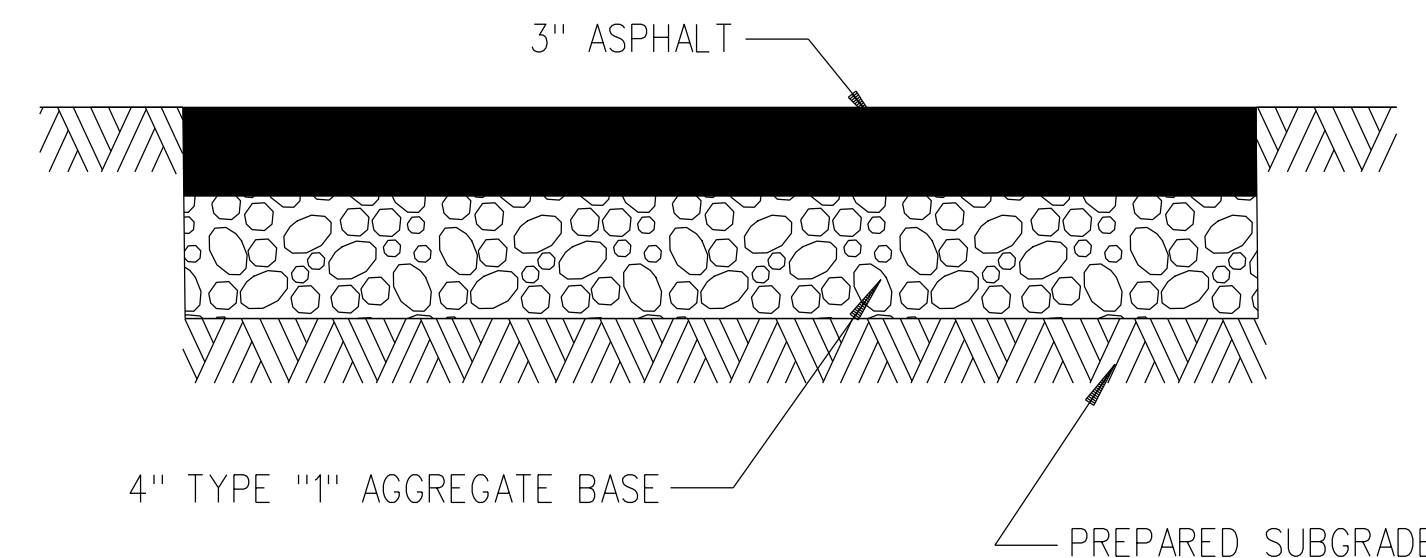


CONTROL JOINT

* CONC. WALK TO BE 6" THICK IN DRIVEWAYS AND 4" BEYOND EACH.

5' WIDE CONCRETE SIDEWALK

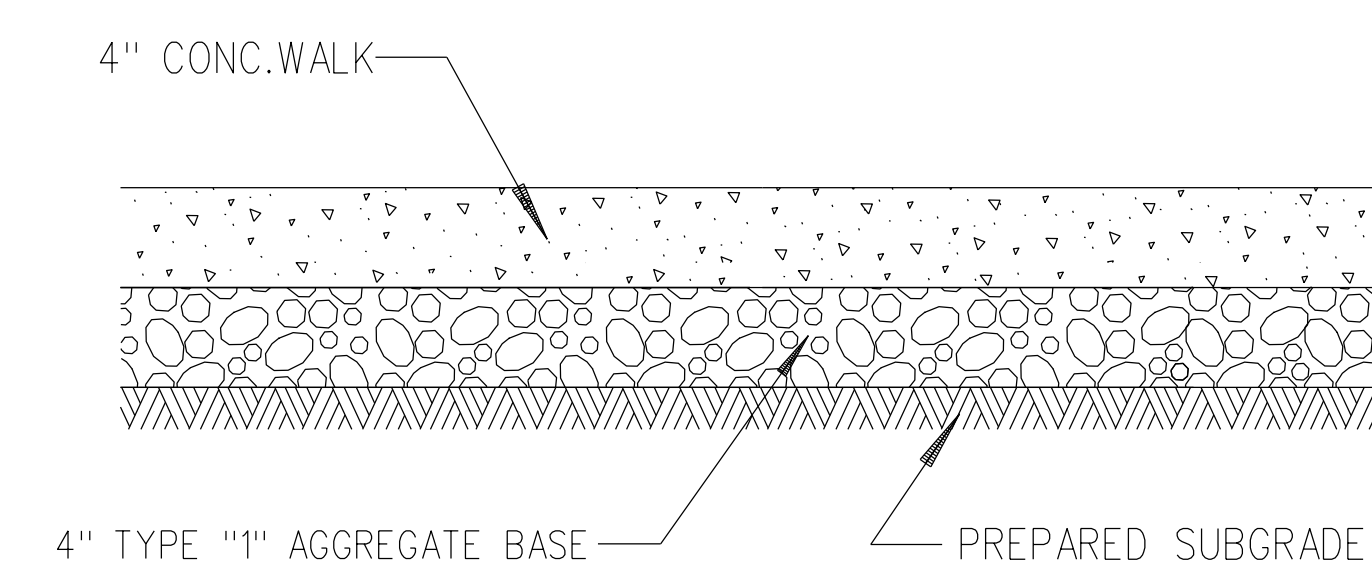
NTS



NOTE: THE ASPHALT SURFACE SHALL BE COMPACTED TO 98% MAXIMUM DENSITY.

6' AND 10' WIDE TRAIL - ASPHALT OPTION

NTS



6' AND 10' WIDE TRAIL - CONCRETE OPTION

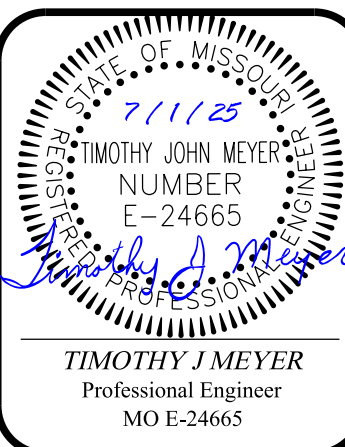
NTS

GENERAL NOTES

- ALL NON-REINFORCED CONCRETE SHALL BE 4,000 PSI AT 28 DAYS.
- PUBLIC TRAILS SHALL MEET AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) STANDARDS AND THE NATIONAL ASSOCIATION OF CITY TRANSPORTATION OFFICIALS (NACTO) STANDARDS.

CONSTRUCTION DETAILS:
SHEET 6

STRAWBERRY FARMS



TIMOTHY J. MEYER
Professional Engineer
MO E-24665

McKelvey
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Authority #203

PARCEL ID: 23115-178-00-00245
CITY OF OTTAWA
PERMIT No: 18752-00001
PROJECT #2344

07-01-25
C32