

CITY OF MISHAWAKA, INDIANA

PROJECT NAME

PROJECT NO. AAA-00-000

SEWER
 WATER
 TRAFFIC
 STREET
 BRIDGE
 OTHER

DRAWING INDEX

DESCRIPTION	SHEET NO.

LOCATION MAP
MIN. SCALE 1"=2000'

APPROVALS

DEPARTMENT OF ENGINEERING

NAME _____ CITY ENGINEER/DIRECTOR OF ENGINEERING

BOARD OF PUBLIC WORKS & SAFETY

NAME _____ PRESIDENT

NAME _____ VICE PRESIDENT

NAME _____ MEMBER

NAME _____ CLERK

DATE SIGNED _____

CITY OFFICIALS

NAME _____ MAYOR

NAME _____ CITY CLERK

NAME _____ CONTROLLER

NAME _____ CORPORATION COUNSEL

NAME _____ CITY ENGINEER/DIRECTOR OF ENGINEERING

BOARD OF PUBLIC WORKS & SAFETY

NAME _____ PRESIDENT

NAME _____ VICE PRESIDENT

NAME _____ MEMBER

NAME _____ CLERK

LATEST EDITION OF THE CITY OF MISHAWAKA, INDIANA SPECIFICATIONS AND STANDARD DETAILS TO BE USED WITH THESE PLANS

PLANS PREPARED BY:

CONSULTING FIRM

NAME

ADDRESS

TELEPHONE

PROFESSIONAL ENGINEER SIGNATURE AND SEALS

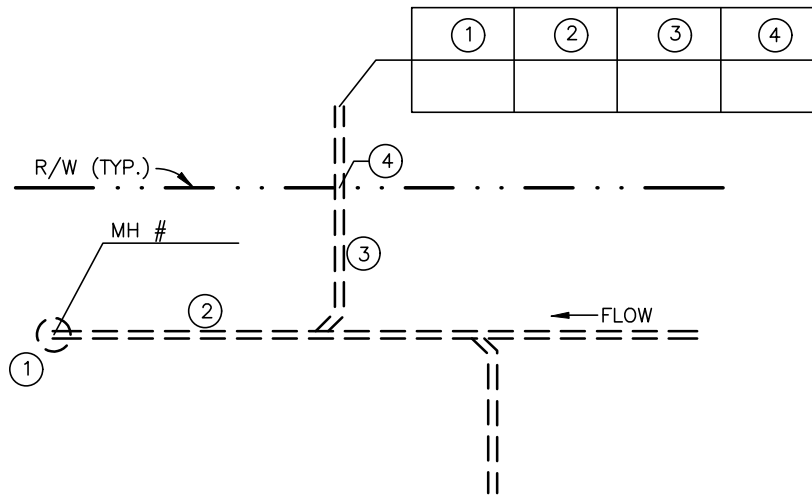
LEGEND

- ① 1" LETTER HEIGHT
- ④ 1/4" LETTER HEIGHT
- ② 1/2" LETTER HEIGHT
- ⑤ MIN. 1/8" LETTER HEIGHT
- ③ 3/8" LETTER HEIGHT

NOTES:

1. THIS COVER SHEET SHALL BE USED ON ALL PLAN SETS.
2. ALL LETTERS & NUMBERS SHALL BE MECHANICAL, UPPER CASE.
3. INDEX NUMBERS & LETTERS SHALL BE A MIN. OF 1/8" LETTER HEIGHT.

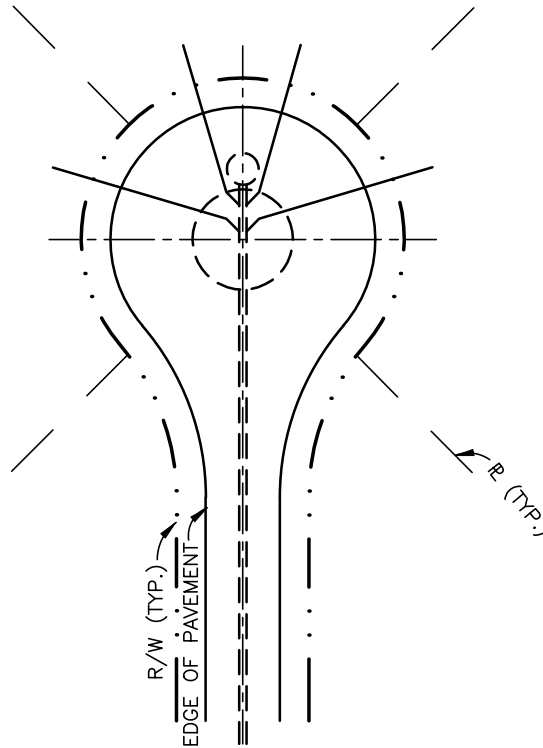
APPROVED/REVISED BY THE BOARD OF PUBLIC WORKS & SAFETY			CITY OF MISHAWAKA, INDIANA	
ITEM	REVISION		APPROVED DATE	ENGINEERING STANDARDS
	EFFECTIVE	APRIL 2007	<div style="display: flex; justify-content: space-between; padding: 10px;"> COVER SHEET SHT. NO. 1-1 </div>	
	REVISED	FEBRUARY 2022		



SEWER TAP AS-BUILT

NOTES:

1. DOWNSTREAM MANHOLE NUMBER
2. LOCATION OF TAP FROM DOWNSTREAM MANHOLE
3. LENGTH OF LATERAL FROM MAIN TO STUB
4. DEPTH OF LATERAL AT END



CUL-DE-SAC SEWER TAP AS-BUILT

NOTES:

1. ALL DISTANCES MEASURED FROM ϕ CUL-DE-SAC PERPENDICULAR TO ϕ OF STREET IN COUNTER-CLOCKWISE DIRECTION.

PREPARED BY: DLZ INDIANA, LLC



Andrew C. Lemberis
02-01-2022

APPROVED/REVISED BY THE BOARD OF PUBLIC WORKS & SAFETY



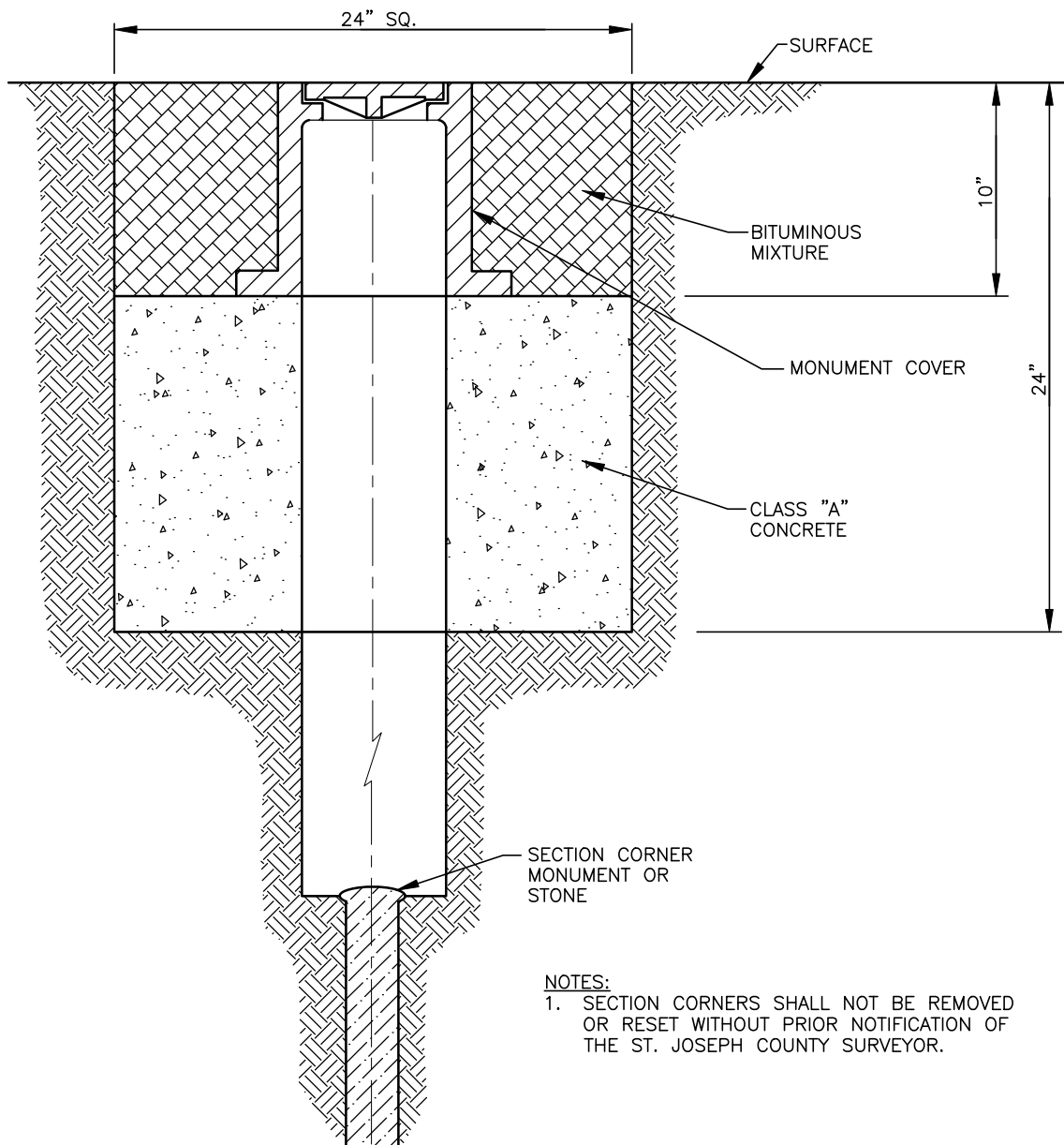
CITY OF MISHAWAKA, INDIANA

ENGINEERING STANDARDS

ITEM	REVISION	APPROVED DATE
	EFFECTIVE	APRIL 2007
	REVISED	FEBRUARY 2022

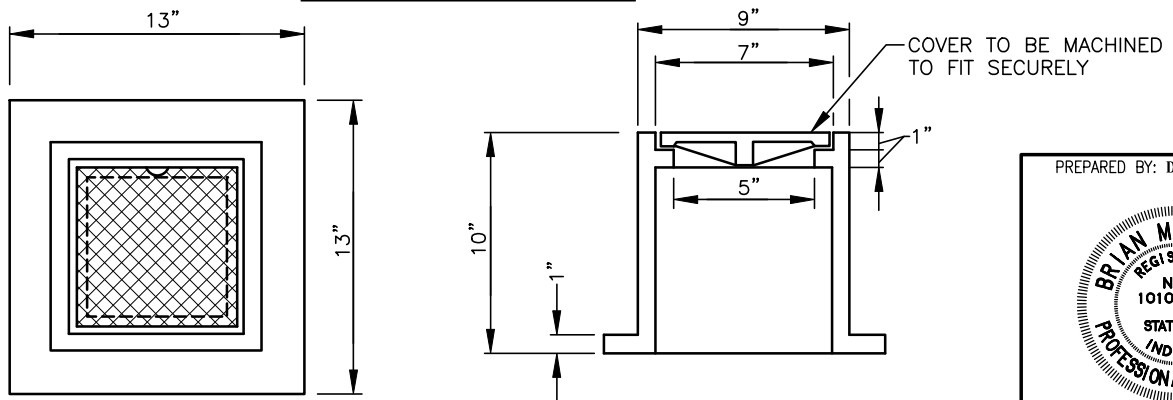
SEWER TAP
AS-BUILT DETAIL

SHT. NO.
1-2



- NOTES:**
 1. SECTION CORNERS SHALL NOT BE REMOVED OR RESET WITHOUT PRIOR NOTIFICATION OF THE ST. JOSEPH COUNTY SURVEYOR.

MOMUMENT COVER INSTALLATION

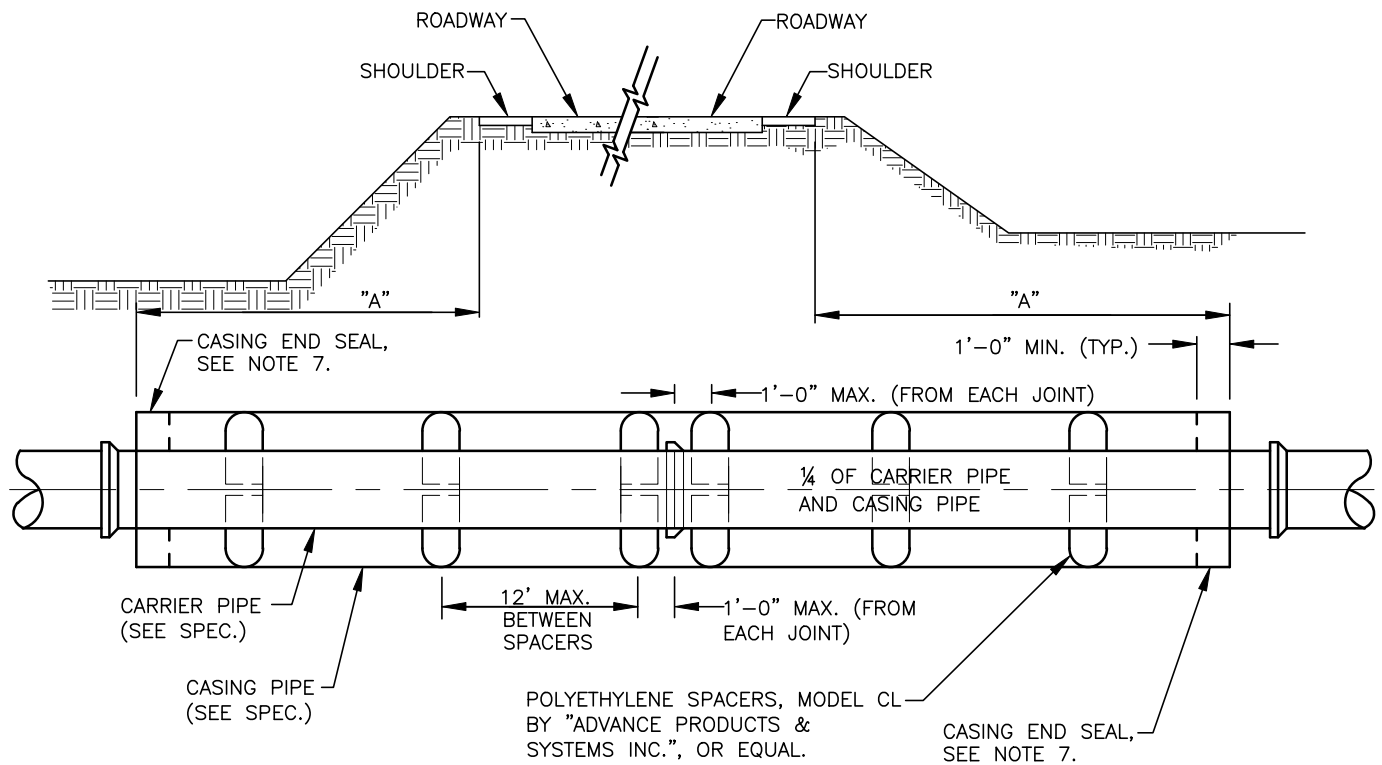


MOMUMENT COVER DETAIL

PREPARED BY: DLZ INDIANA, LLC

Brian M. Smith
 2/1/2022

APPROVED/REVISED BY THE BOARD OF PUBLIC WORKS & SAFETY				CITY OF MISHAWAKA, INDIANA	
ITEM	REVISION	APPROVED DATE		ENGINEERING STANDARDS	
	EFFECTIVE	APRIL 2007	SURVEY LINE MONUMENT		
	REVISED	FEBRUARY 2022			
			SHT. NO.		1-3



DISTANCE "A"
 MINIMUM DISTANCE BEYOND OUTER RAIL OR EDGE OF PAVEMENT SHALL BE AS SHOWN ON PLANS OR AS SPECIFIED BY THE RAILROAD, ROADWAY, OR HIGHWAY CONCERNED.

PIPE DIA. (IN.)	STEEL CASING WALL THICKNESS (IN.)
10 AND UNDER	0.188
12 AND 14	0.250
16	0.281
18	0.312
20 AND 22	0.344
24	0.375
26	0.406
28	0.438
30	0.469
32	0.500
34 AND 36	0.532

TYPICAL DETAIL-PIPE IN CASING

NOTES:

- WHERE MULTIPLE LANES ARE ENCOUNTERED THE METAL CASING PIPE SHALL BE CONTINUOUS.
- CASING PIPE SHALL BE INSTALLED BY JACKING OR BORING.
- IN LIEU OF POLYETHYLENE SPACES, A SYSTEM OF BONDED PRESSURE TREATED WOOD SKIDS OR SIMILAR SYSTEM MAY BE USED WITH A SHOP DRAWING APPROVAL.
- ALL UTILITIES INSTALLED UNDER A RAILROAD RIGHT-OF-WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS AND REQUIREMENTS OF THE RAILROAD HAVING JURISDICTION.
- ALL RAILROAD RIGHT-OF-WAY PERMITS SHALL BE APPROVED BY THE CITY PRIOR TO SUBMITTAL TO THE RAILROAD.
- ANY OTHER ENTITIES HAVING JURISDICTION OF THE RIGHT-OF-WAY OTHER THAN THE CITY, SHALL HAVE APPROVAL OF UTILITY CROSSINGS.
- FOR CASING END SEAL GROUT ANNULAR SPACE WITH CONC. BRICK AND NON-SHRINK GROUT TO PLUG OPENING, PROVIDE WEEP HOLES.

PREPARED BY: DLZ INDIANA, LLC

Andrew C. Lemberis
 02-01-2022

APPROVED/REVISED BY THE BOARD OF PUBLIC WORKS & SAFETY				CITY OF MISHAWAKA, INDIANA	
ITEM	REVISION	APPROVED DATE		ENGINEERING STANDARDS	
	EFFECTIVE	APRIL 2007	PIPE IN CASING DETAIL		SHT. NO. 1-4
	REVISED	MARCH 2013			
	REVISED	FEBRUARY 2022			