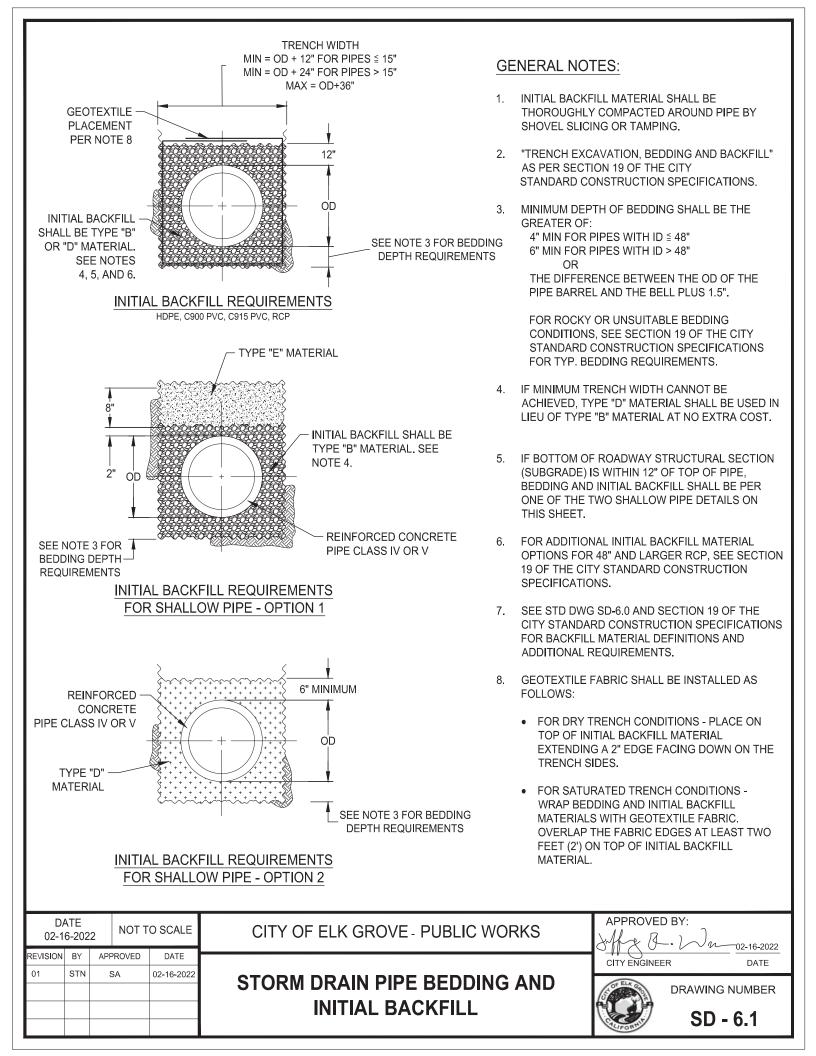
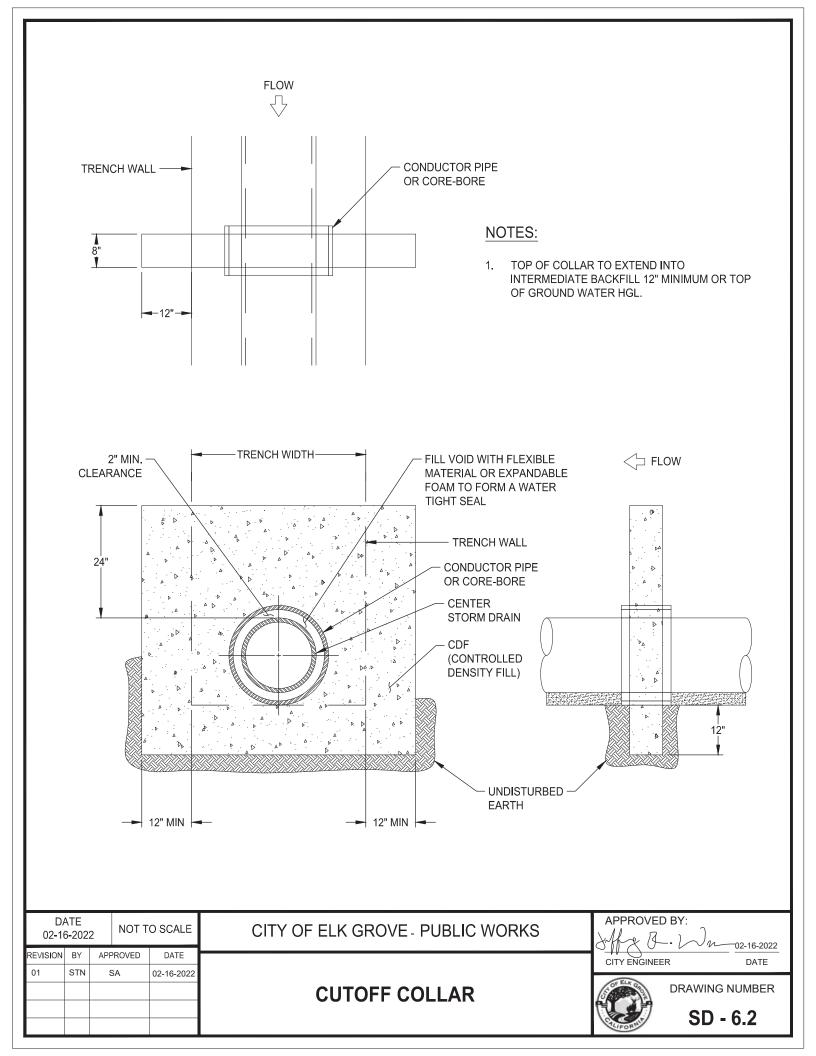
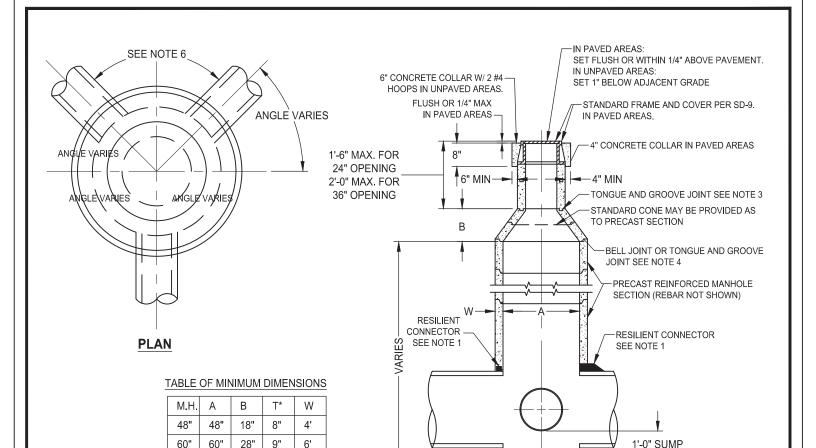


	STORM DRAIN TRENCH DETAIL		
ASPHALT PAVEMENT AGGREGATE BASE	SUBGR	ROADWAY STRUCTUR SECTION	RAL
		INTERMEDIATE BACKF E INTERMEDIATE BACKFILL IS ≧ 18" " BACKFILL MATERIAL (90% RELAT E INTERMEDIATE BACKFILL IS < 18" "D" BACKFILL MATERIAL, SEE NO	, USE TYPE "A" OR TYPE IVE COMPACTION) , USE TYPE "A" OR TYPE
GEOTEXTILE FABRIC PER STD DWG SD-6.1	PIPE	BEDDING AND INITIAL BA PER STD DWG. SD-6. SEE NOTE 2	
		CH WIDTH DWG SD - 6.1)	
	BACKFILL MATERIALS		
	TYPE "A" BACKFILL MATERIAL: 3/4" C SPECIFICATIONS.	LASS II AB AS PER SECTION 50 OF	THE CITY STANDARD CONSTRUCTION
	TYPE "B" BACKFILL MATERIAL: 3/4" C CONSTRUCTION SPECIFICATIO		CTION 50 OF THE CITY STANDARD
		OIDS OR DEPRESSIONS TO DEVEL S, AND SOLID EARTH CHUNKS EXC	OP DURING OR AFTER PLACEMENT OF
	TYPE "D" BACKFILL MATERIAL: CON CONSTRUCTION SPECIFICATIO		CTION 50 OF THE CITY STANDARD
	TYPE "E" BACKFILL MATERIAL: CLAS CONSTRUCTION SPECIFICATIO		50 OF THE CITY STANDARD
	NOTES		
	1. GEOTEXTILE SHALL BE INST CONSTRUCTION SPECIFICAT		D AS PER SECTION 50 OF THE CITY STANDARD
	2. INTERMEDIATE BACKFILL TO	BE PLACED IN 8" MAXIMUM LOOSE	LIFTS.
		STALLED EVERY MANHOLE RUN AS ISTRUCTION SPECIFICATIONS.	PER STD DWG SD-6.2 AND AS PER SECTION 19
	4. CONTROL DENSITY FILL (CDI STANDARD CONSTRUCTION		O BE AS PER SECTION 39 OF THE CITY
	5. IF ROADWAY SUBGRADE IS V SHALLOW PIPE DETAILS AS F		NG AND INITIAL BACKFILL SHALL CONFORM TO
DATE 02-16-2022 NOT TO SCALE REVISION BY APPROVED DATE	CITY OF ELK GR	OVE - PUBLIC WORKS	APPROVED BY: \mathcal{A} \mathcal{A}
REVISION BY APPROVED DATE 01 STN SA 02-16-202	-	I TRENCH DETAIL	CITY ENGINEER DATE DRAWING NUMBER SD - 6.0

S	D	-	6.	0
S	D	-	6.	0







3"-

6"

NOTES	ŝ
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 ON ALL PIPES UP TO 30" I.D. USE FLEXIBLE COMPRESSION GASKET OR BOOT CONNECTOR CONFORMING TO ASTM C-923. CONNECTION SHALL BE WATER AND SOIL TIGHT. FOR PIPES GREATER THAN 30" I.D., BASE MAY BE CAST-IN-PLACE AND A WATER STOP CONFORMING TO ASTM C-923 SHALL BE USED.

72"

SFF

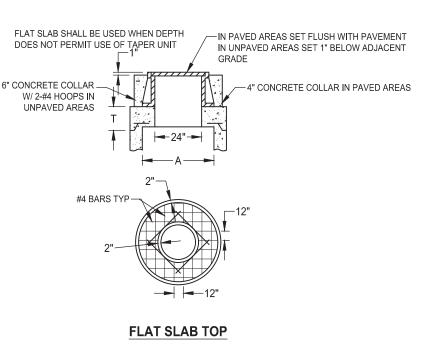
NOTE 8

72"

7'

10"

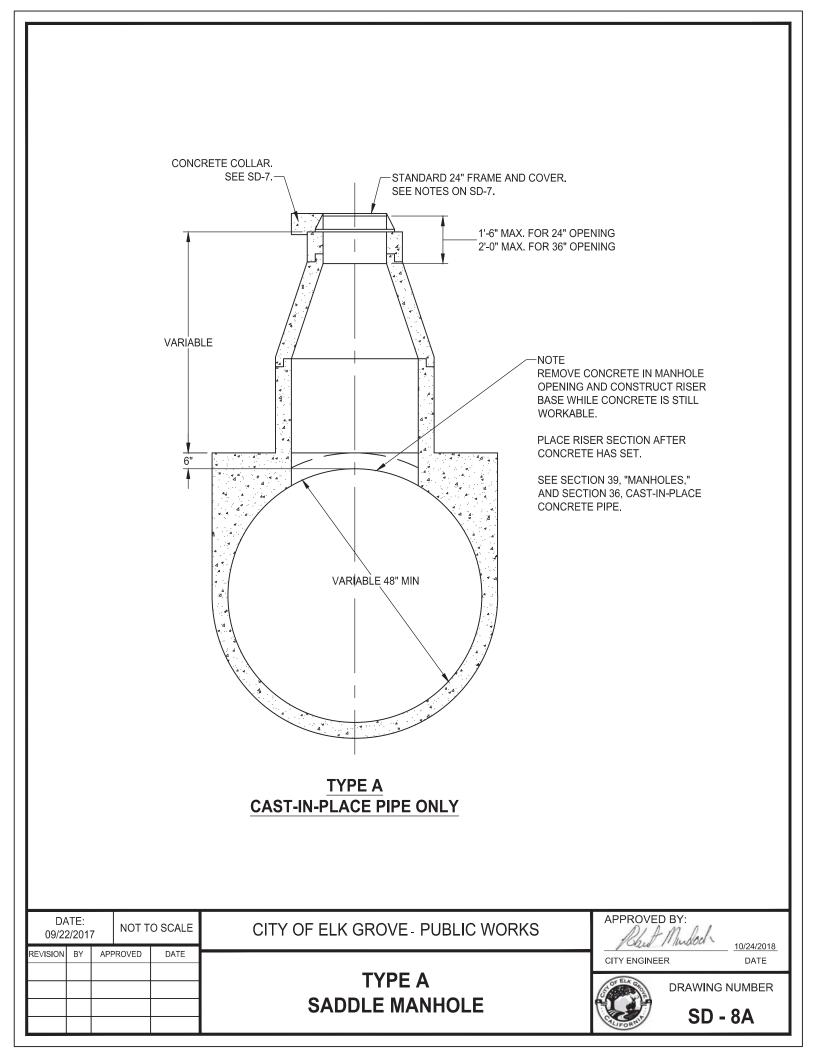
- 2. SUMP SHALL BE 1'-0" DEEP, MEASURED FROM INVERT OF OUTFALL PIPE. SUMP NOT REQUIRED IF OUTFALL PIPE IS 24" I.D. OR LARGER.
- 3. RISER SECTIONS, CONES, AND ADJUSTING RINGS SHALL CONFORM TO ASTM C-478.
- 4. ALL JOINTS SHALL BE MADE WITH PREFORMED PLASTIC JOINT SEALING COMPOUND. FOLLOWING INSTALLATION GROUT ALL INTERIOR AND EXTERIOR JOINTS.
- 5. CONCENTRIC COMPONENTS SHALL BE USED UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- 6. PRECAST MANHOLES SHALL BE SIZED TO PROVIDE THE FOLLOWING: THE ANNULAR SPACE ON THE INSIDE OF THE MANHOLE BARREL BETWEEN CORED PIPE CONNECTION HOLES SHALL BE A MINIMUM OF 10 INCHES, IF THE CONNECTION HOLE IS CAST MONOLITHICALLY WITH THE MANHOLE BARREL THE MEASUREMENT SHALL BE TAKEN FORM THE FINISHED CONCRETE CONNECTION.
- 7. SEE SECTION 39, CONSTRUCTION SPECIFICATIONS, "MANHOLES"
- 8. CONE FOR MANHOLES GREATER THAN 60" DIAMETER SHALL BE INDIVIDUALLY DESIGNED.

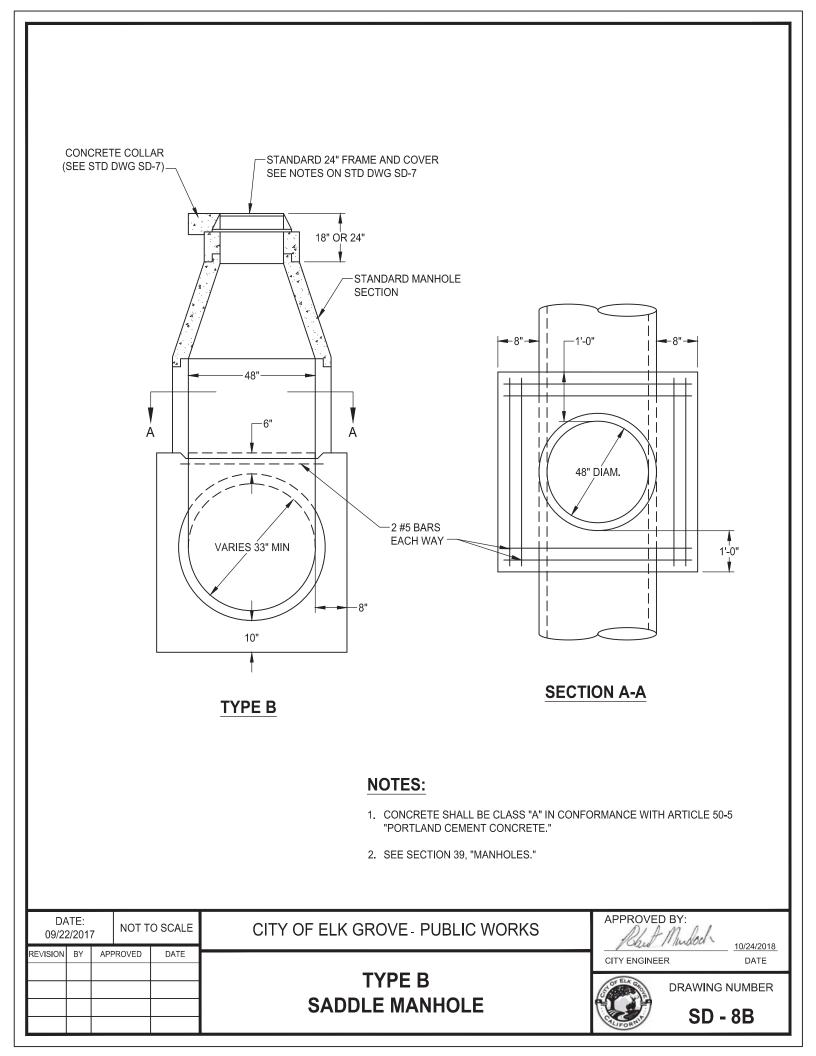


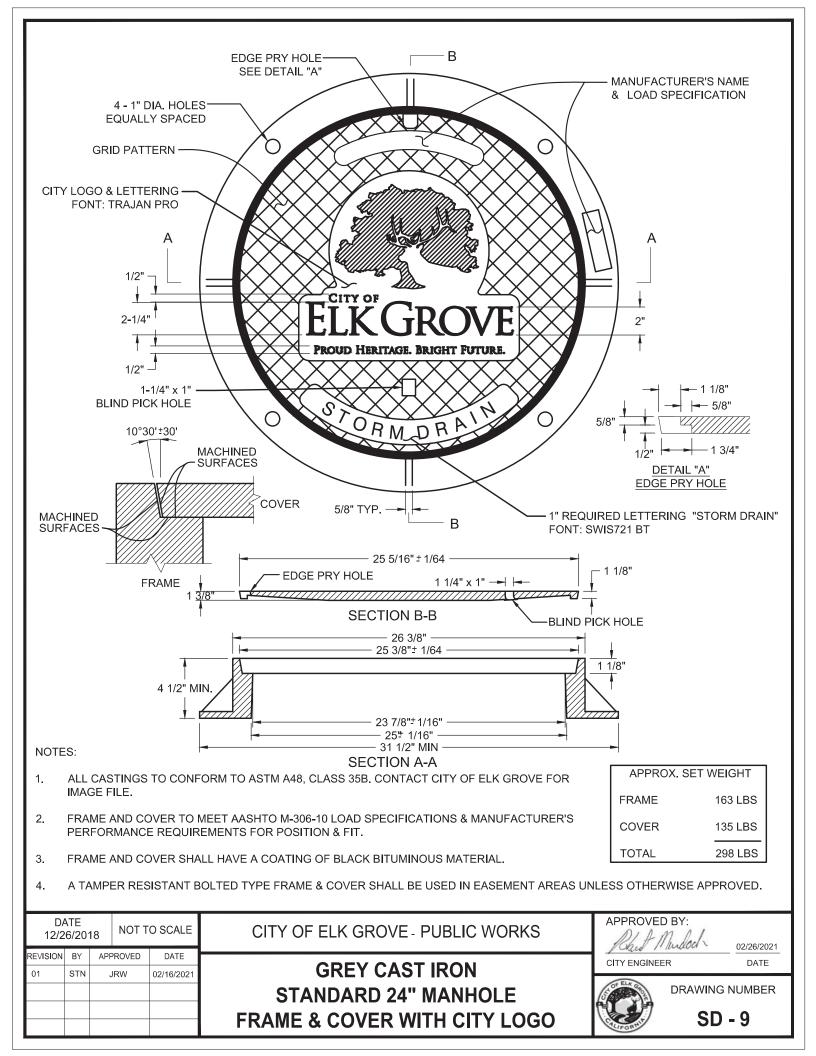
PROFILE

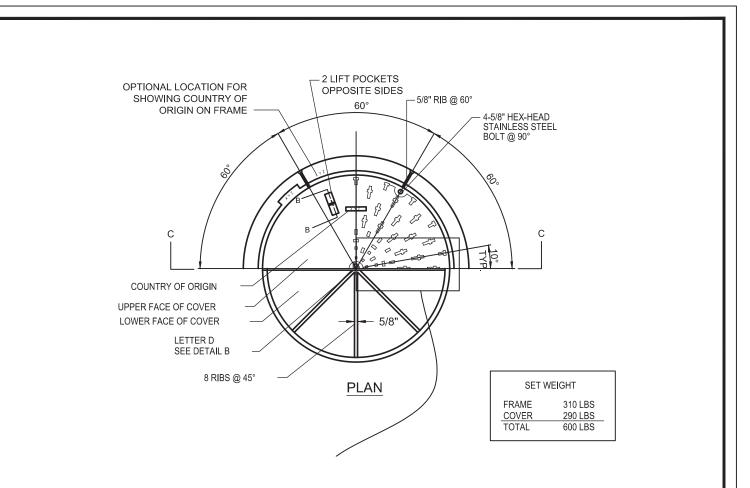
SEE NOTE 2

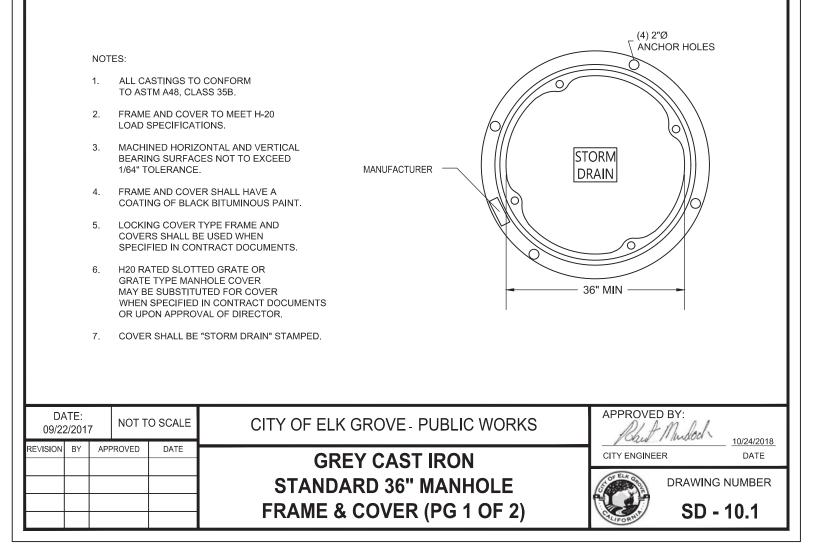
09/2	ATE: 2/201	/	TO SCALE	CITY OF ELK GROVE - PUBLIC WORKS	APPROVED BY: Rhit Mudoch		10/24/2018
REVISION	BY	APPROVED	DATE		CITY ENGINE	ER	DATE
				STANDARD PRECAST CONCRETE DRAINAGE MANHOLE		drawing	

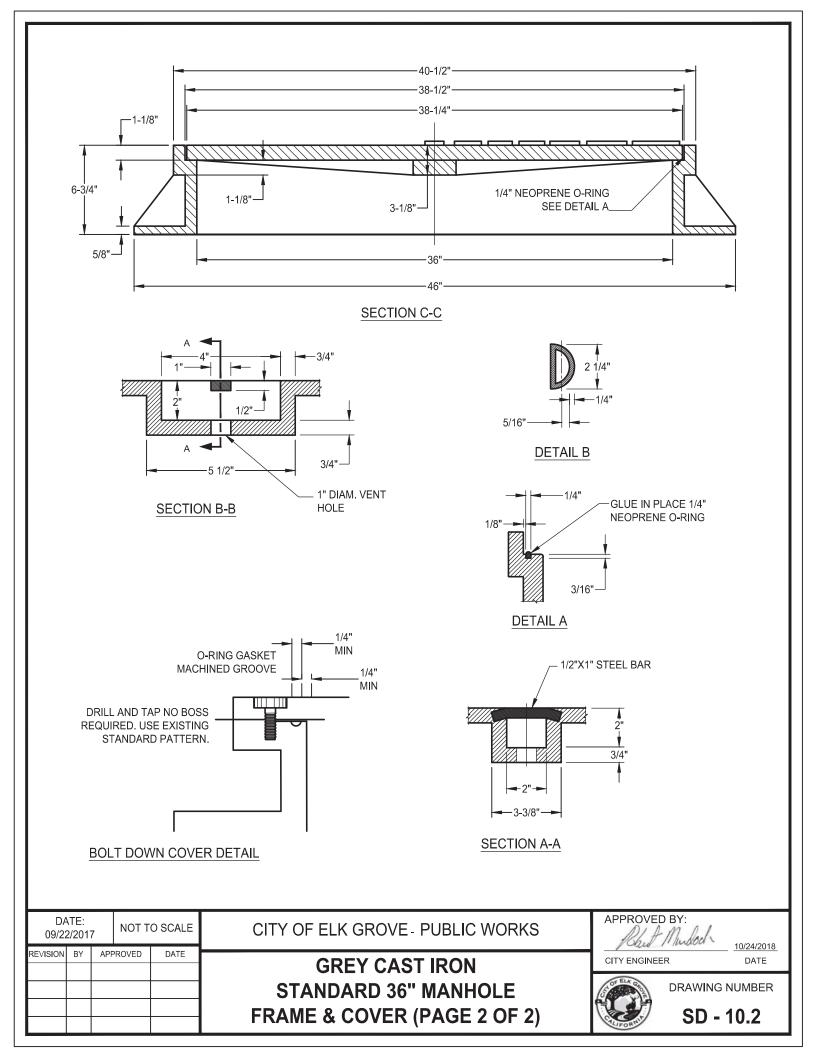


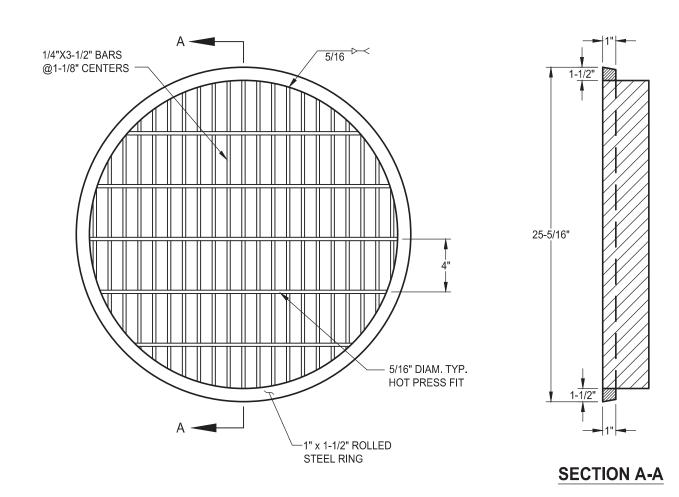








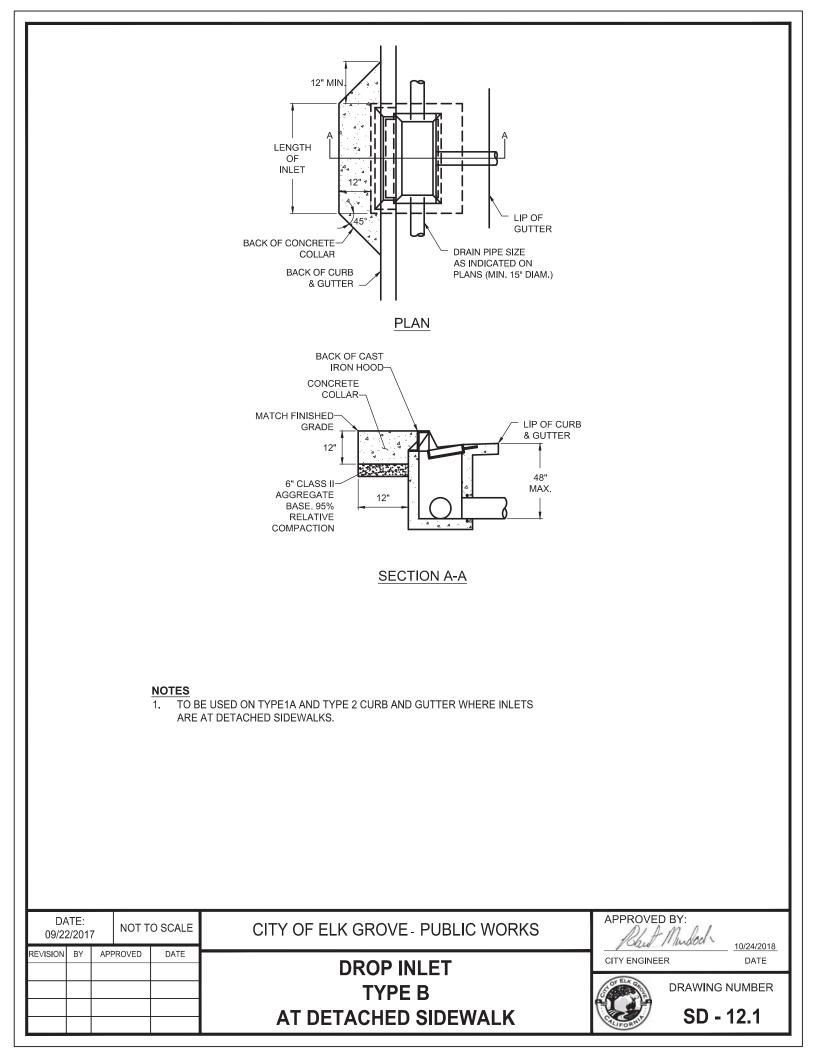


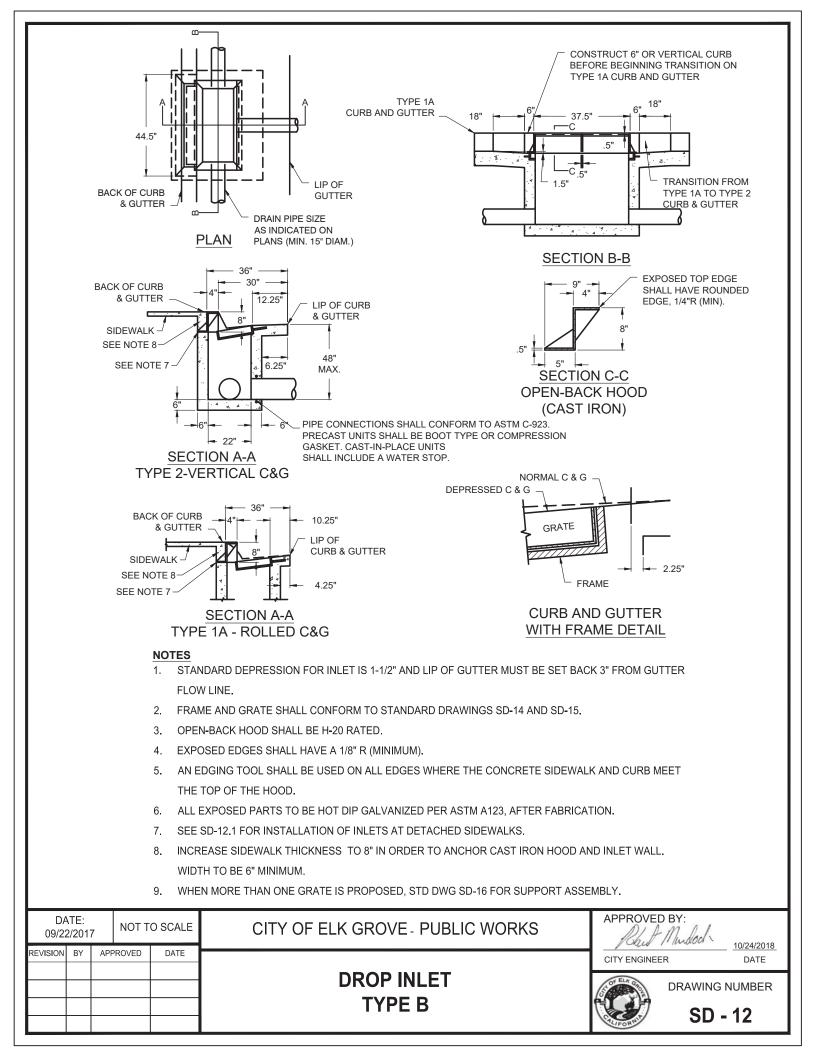


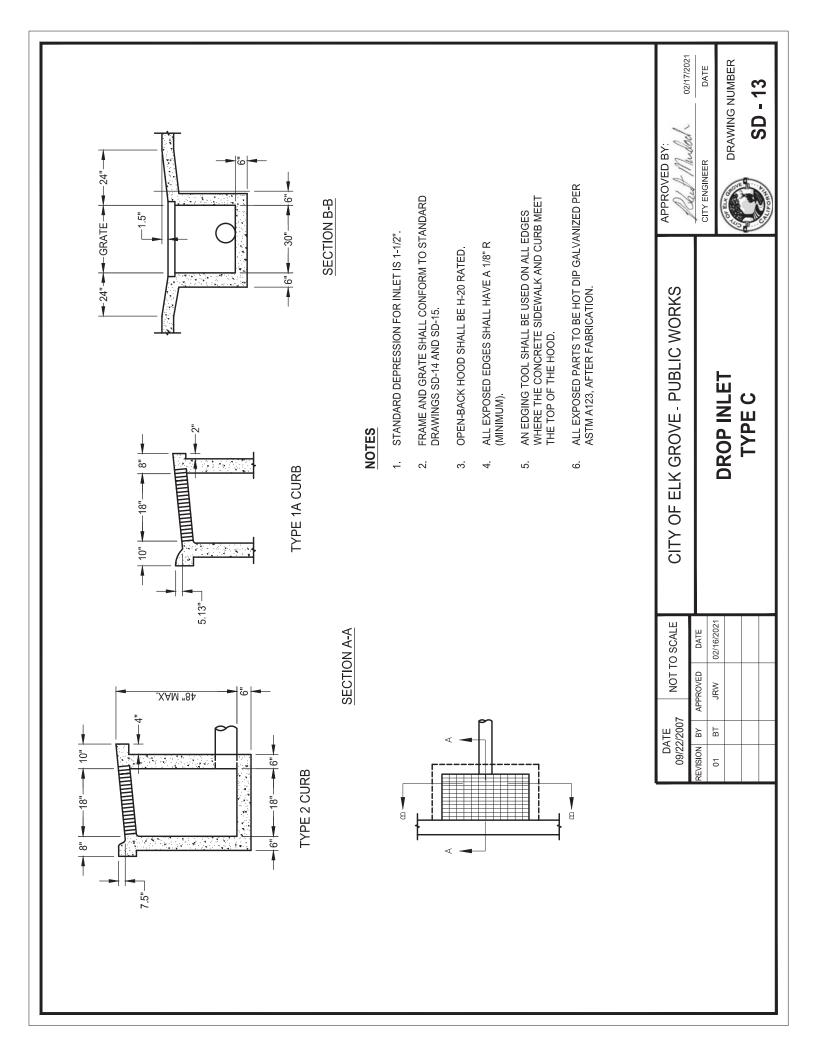
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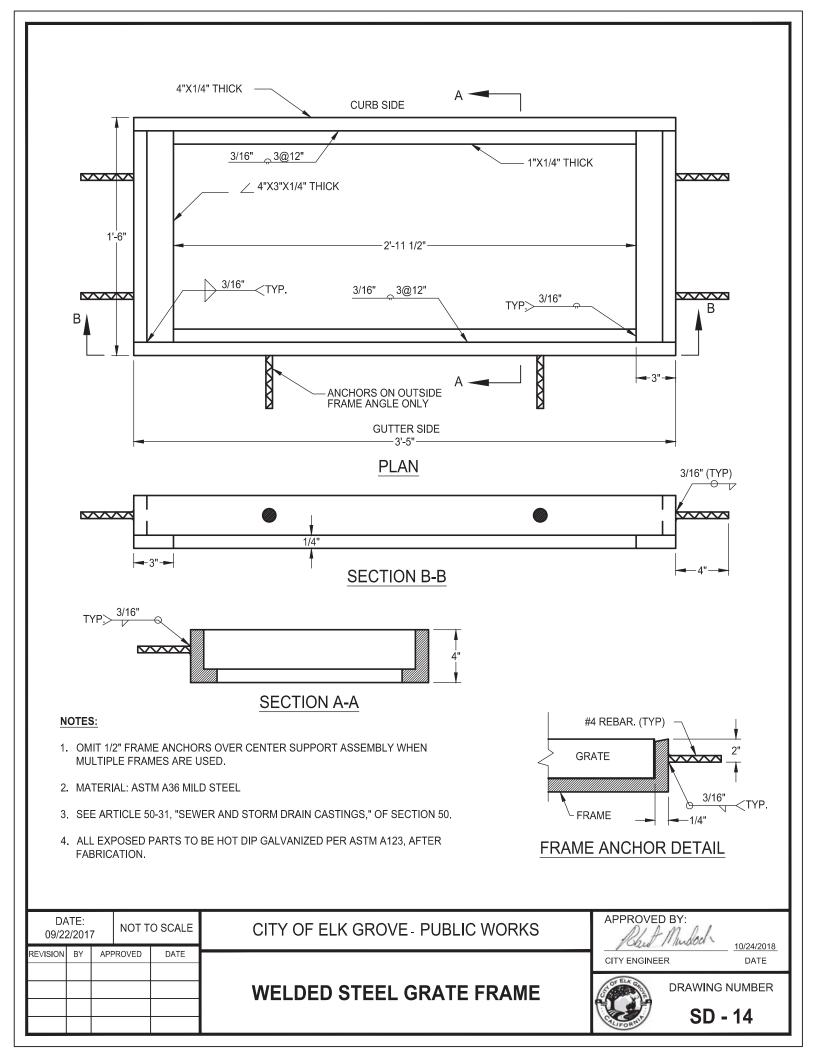
- 1. MANHOLE COVER SHALL FIT FRAME SHOWN ON STANDARD DRAWING SD-9.
- 2. SEATING SURFACES SHALL BE MACHINED AS SHOWN IN DETAIL ON STANDARD DRAWING SD-9.
- 3. THIS COVER MAY BE USED ONLY WITH APPROVAL OF THE CITY ENGINEER.
- 4. GALVANIZE AFTER FABRICATION.

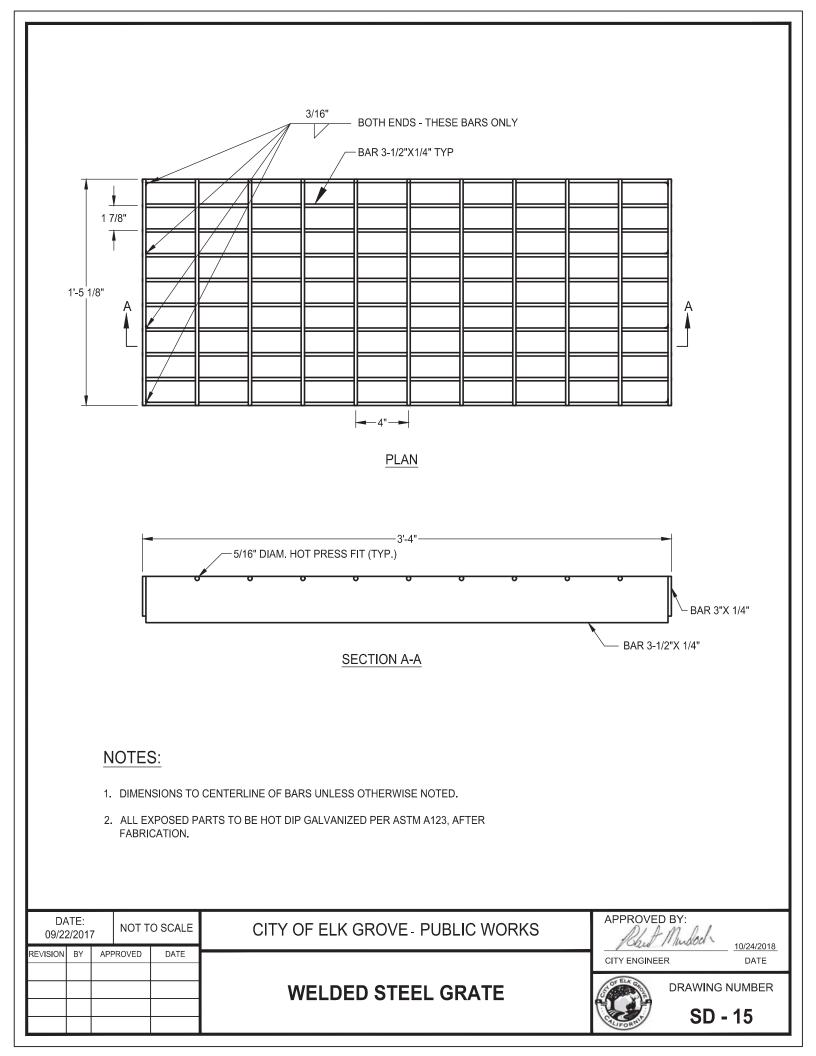
	ATE: 2/201	7	NOT T	O SCALE	CITY OF ELK GROVE - PUBLIC WORKS	APPROVED BY: 		10/24/2018
REVISION	BY	APP	ROVED	DATE		CITY ENGINE	ER	DATE
					GRATE TYPE MANHOLE COVER		DRAWING	

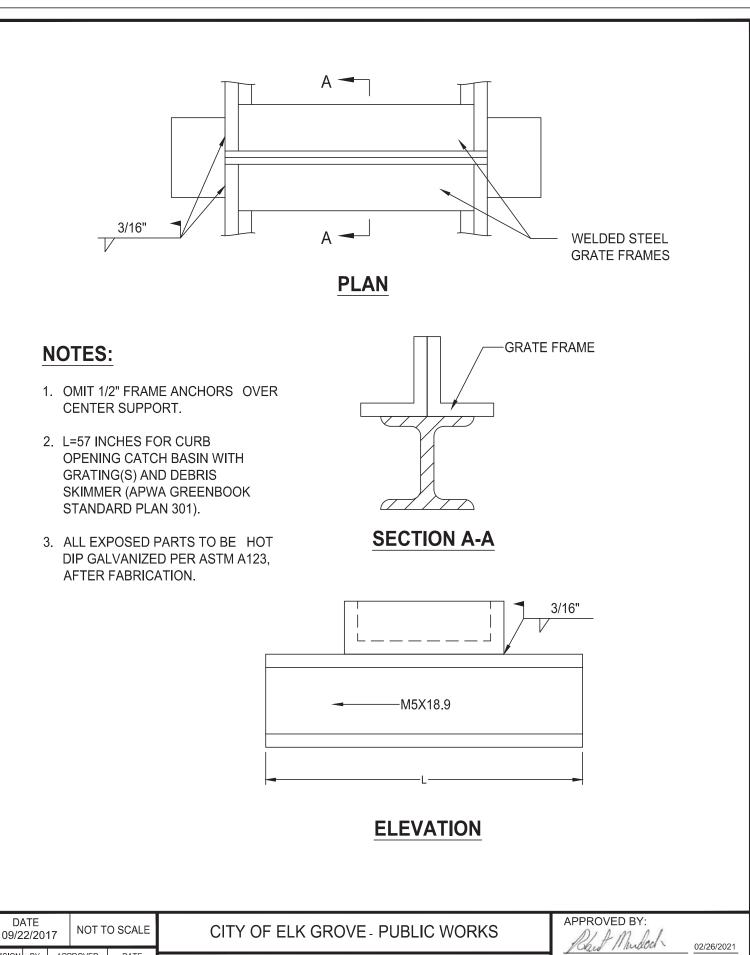












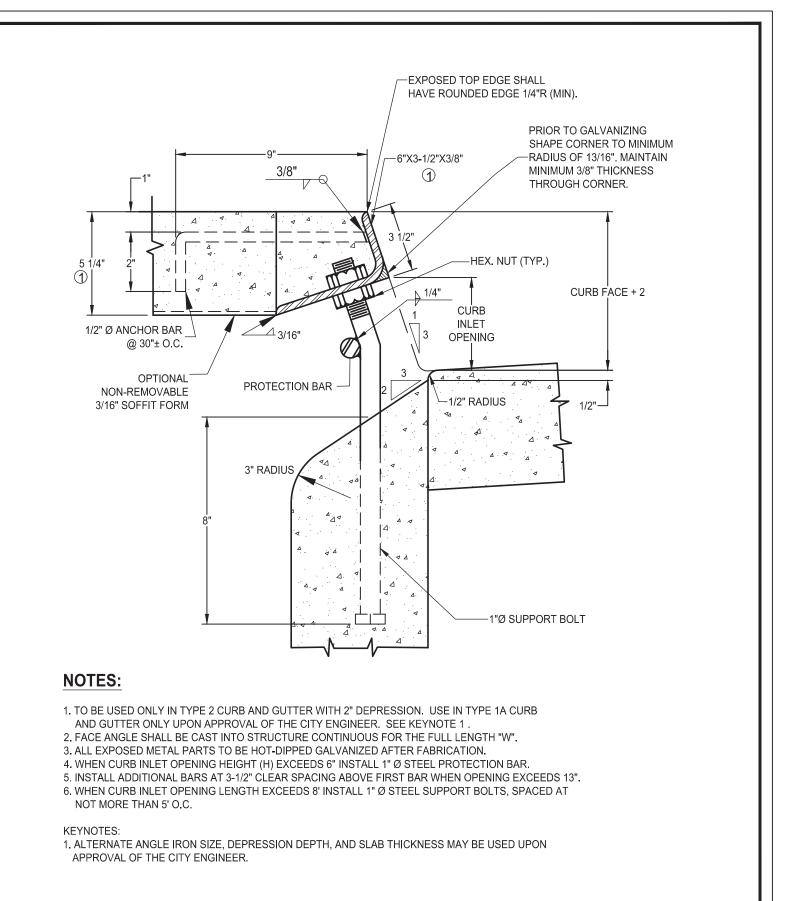
DATE	APPROVED	BY	VISION
02/16/2021	JRW	STN	1

CENTER SUPPORT ASSEMBLY FOR MULTIPLE GRATES

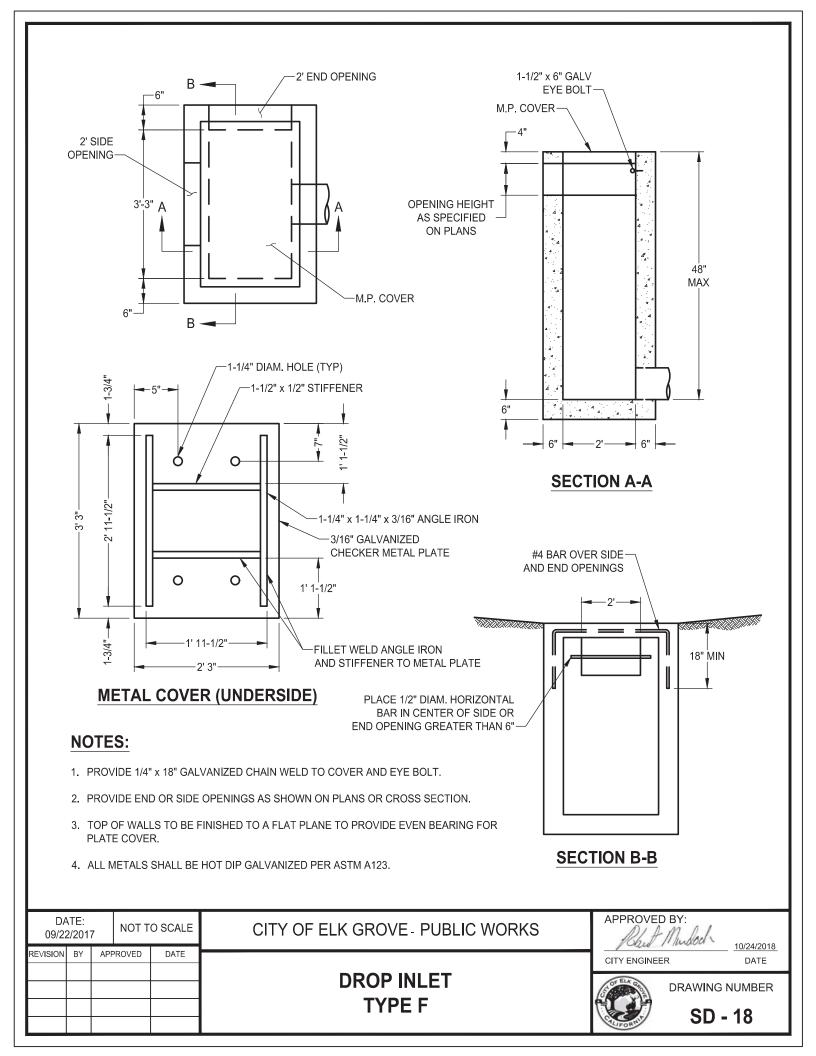
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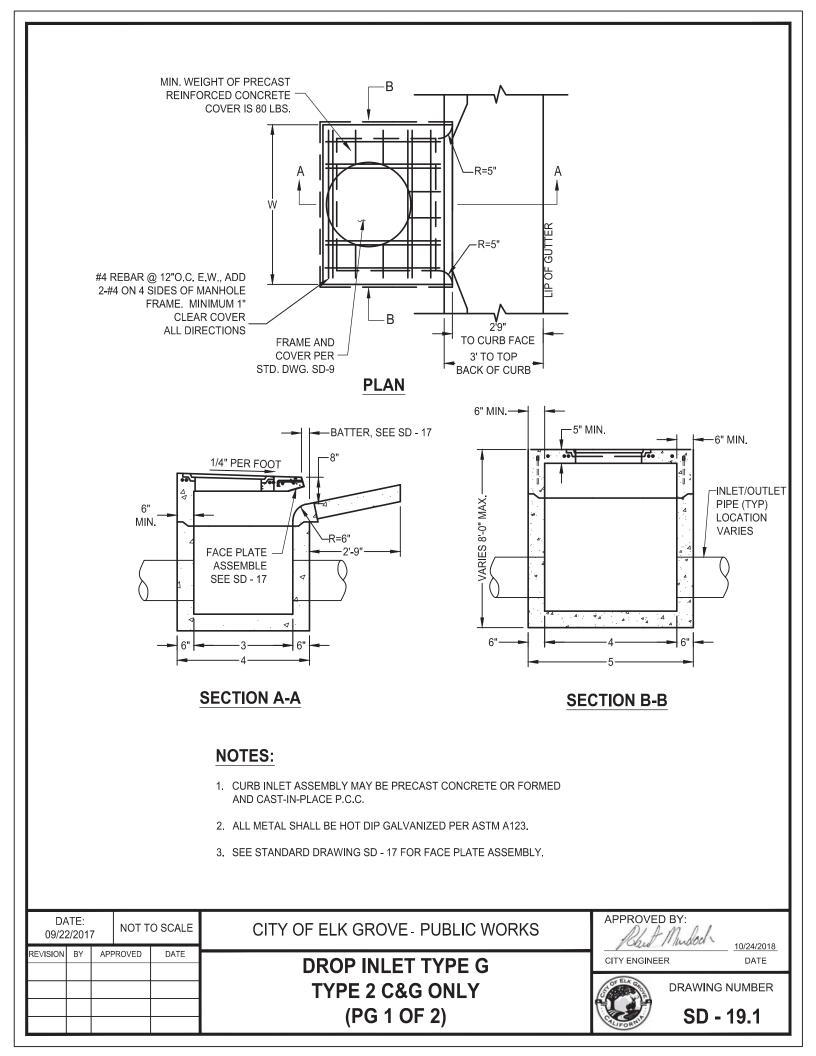
SD - 16

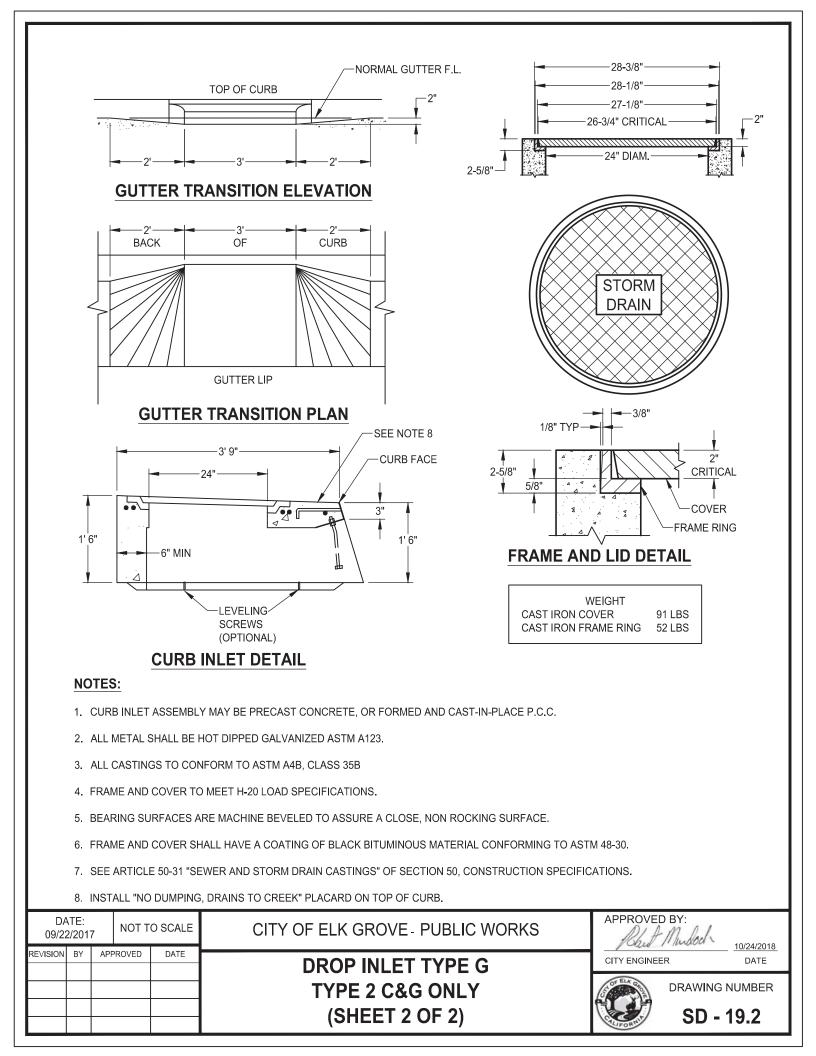
DATE

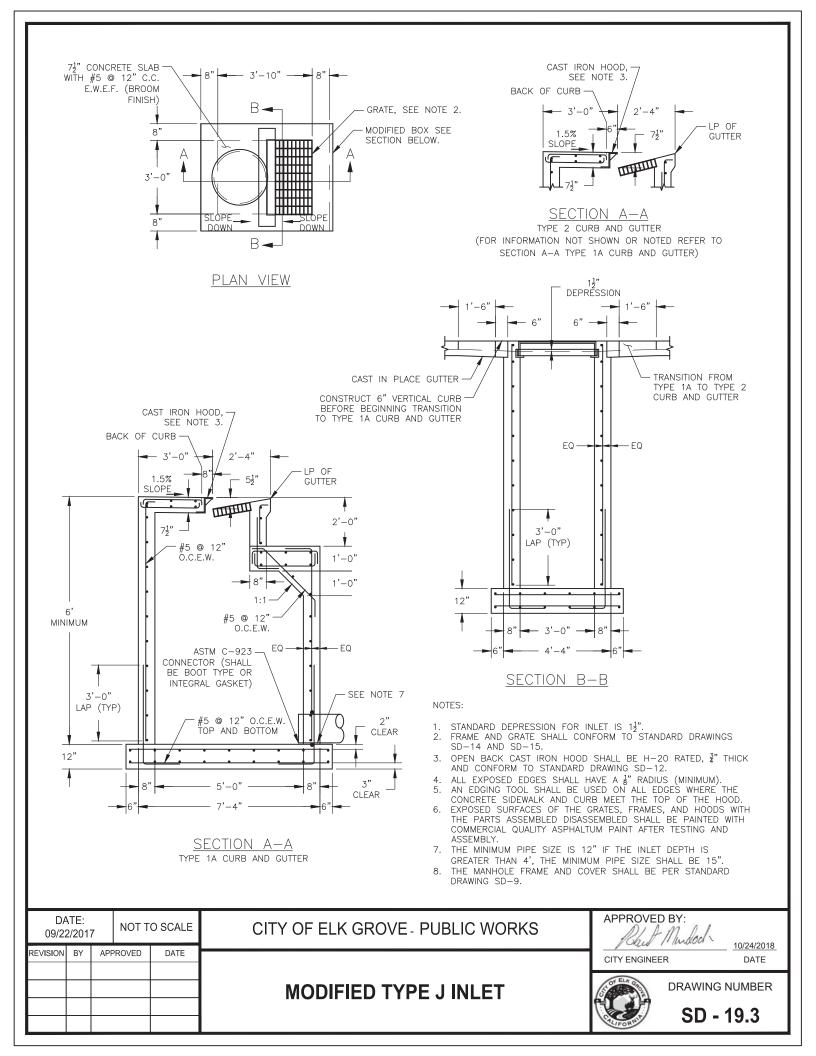


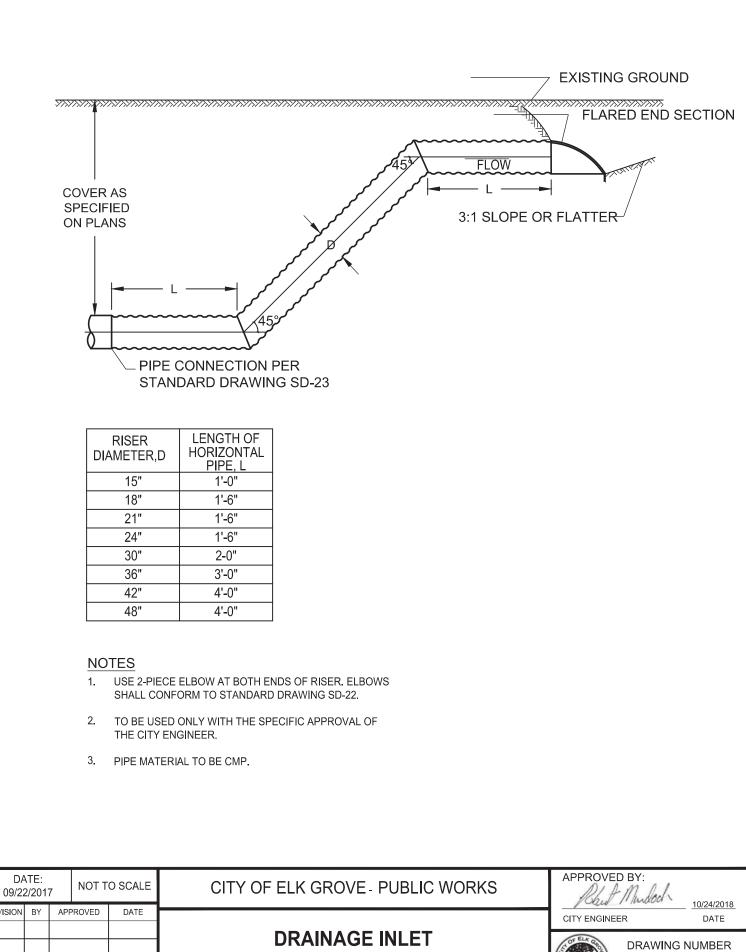
09/2	ATE: 2/2017	/	TO SCALE	CITY OF ELK GROVE - PUBLIC WORKS	APPROVED BY: Rhut Mulloch 10		10/24/2018
REVISION	BY	APPROVED	DATE		CITY ENGINE	ER	DATE
				CATCH BASIN FACE PLATE ASSEMBLY AND PROTECTION BAR		drawing	







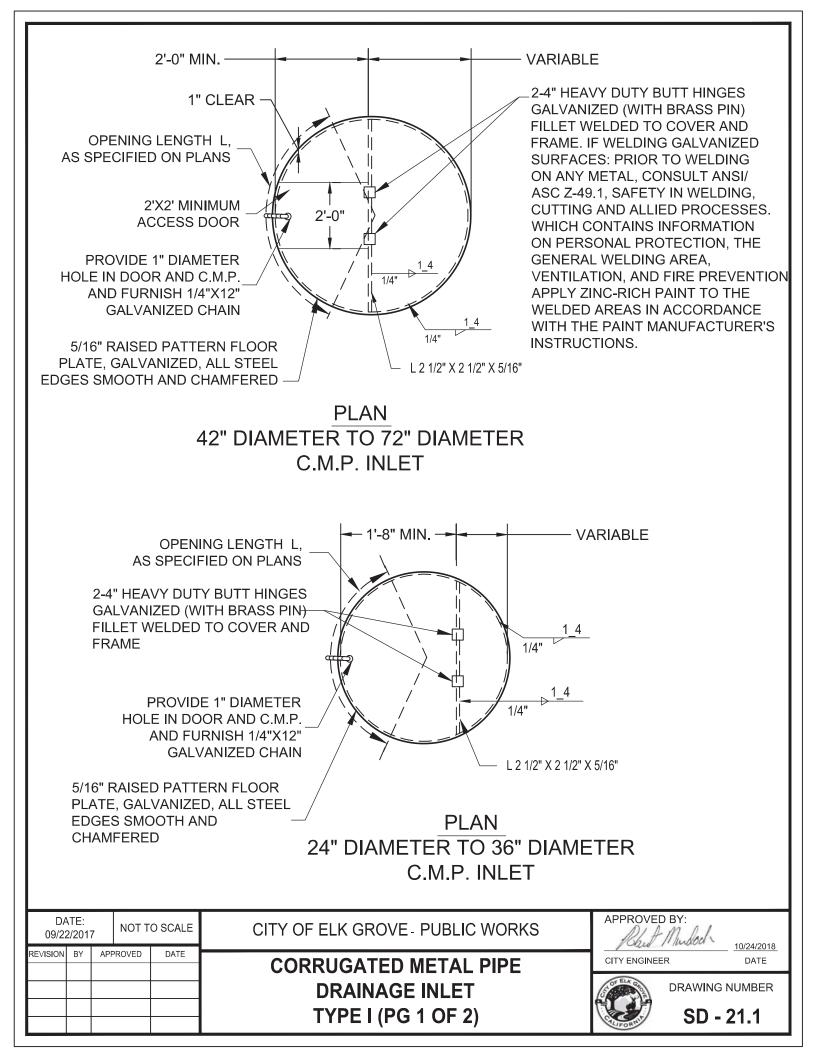


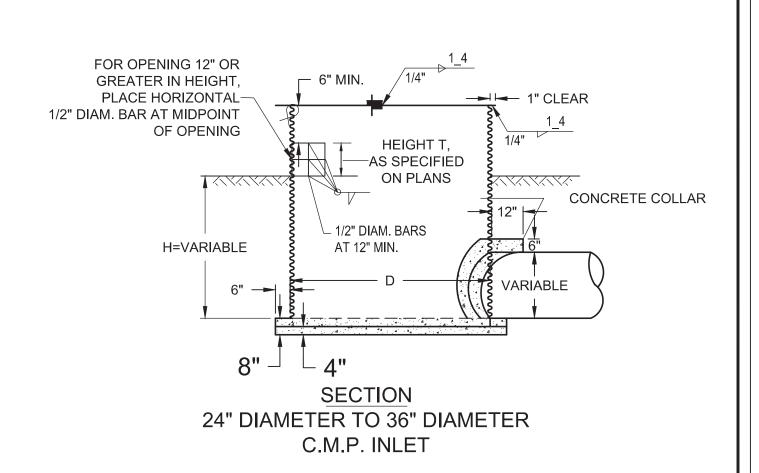


TYPE H	
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REVISION

SD - 20



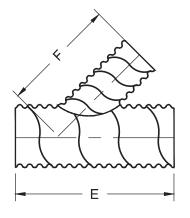


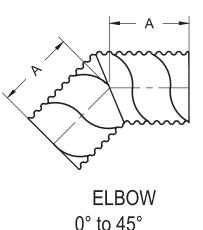
NOTES:

- 1. LOCATIONS, HEIGHTS, AND LENGTH OF OPENINGS SHALL BE AS SHOW ON THE PLANS.
- 2. AREA OF OPENING SHALL NOT BE LESS THAN AREA OF OUTFALL PIPE.
- 3. OUTFALL PIPE TO BE CUT FLUSH WITH INSIDE OF RISER.
- 4. NOT TO BE USED AS A JUNCTION STRUCTURE.
- 5. DIAMETER OF RISER PIPE SHALL BE AT LEAST ONE SIZE LARGER THAN OUTFALL PIPE.
- 6. TO BE USED ONLY WITH THE SPECIFIC APPROVAL OF THE CITY ENGINEER.

RISER DIAMETER,D	H, MAX.	HEIGHT T, MAX.	GAGES (MINIMUM)
24"	4'	8"	0.079"
30"	4'	8"	0.079"
36"	5'	8"	0.109"
42"	8'	12"	0.109"
48"	8'	12"	0.109"
54"	10'	18"	0.109"
60"	10'	18"	0.109"
72"	10'	18"	0.109"

	ATE: 2/201 ⁻	7 N	NOT TO	O SCALE	CITY OF ELK GROVE - PUBLIC WORKS	APPROVE	D BY: Mubloch 10/24/2018
REVISION	BY	APPRC	OVED	DATE	CORRUGATED METAL PIPE	CITY ENGINE	
					DRAINAGE INLET	COT ELK GROAD	DRAWING NUMBER
					TYPE I (PG 2 OF 2)	FORTH	SD - 21.2





WYE LATERAL

FITTING SIZES

		200	
DIAM (IN)	A (FT)	E (FT)	F (FT)
15	1	4	4
18	1	4	4
21	2	6	4
24	2	6	4
30	2	6	4
36	2	8	6
42	2	8	6
48	2	10	8
54	3	10	8
60	3	12	10
66	3	12	10
72	3	14	10
78	3	14	10
84	3	16	12
90	3	16	12
96	3	16	12

NOTES

- 1. TO USE TABLE, REFER TO DIAGRAM AND SELECT LETTER REPRESENTING DESIRED DIMENSION, THEN ENTER TABLE AT CORRECT PIPE DIMENSION AND READ DIMENSION IN COLUMN UNDER APPROPRIATE LETTER HEADING.
- 2. DIMENSIONS ON TABLE ALLOW FOR USE OF STANDARD 12 INCH WIDE BAND COUPLER ON SIZES 15 INCH THROUGH 54 INCH AND 24 INCH WIDE BAND ON 60 INCH AND LARGER SIZES.
- 3. FOR PIPE-ARCH FITTINGS, CHOOSE PIPE DIAMETER EQUAL TO OR GREATER THAN ARCH SPAN. (EXAMPLE: 35 INCH X 24 INCH PIPE-ARCH; USE DIMENSIONS FOR 36 INCH PIPE).
- 4. STRUCTURAL REINFORCEMENT MAY BE REQUIRED ON SOME LARGER SIZES.

09/2	ATE: 2/201	/) SCALE	CITY OF ELK GROVE - PUBLIC WORKS	APPROVED BY: Rhit Mulloch 10/		10/24/2018
REVISION	BY	APPROVE	>	DATE		CITY ENGINE	ER	DATE
					CORRUGATED PIPE FITTINGS		drawing	

