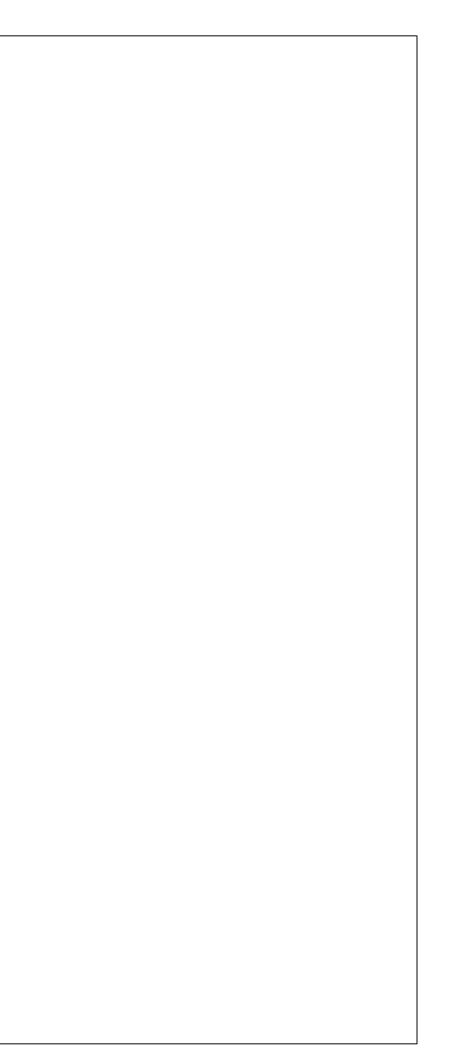
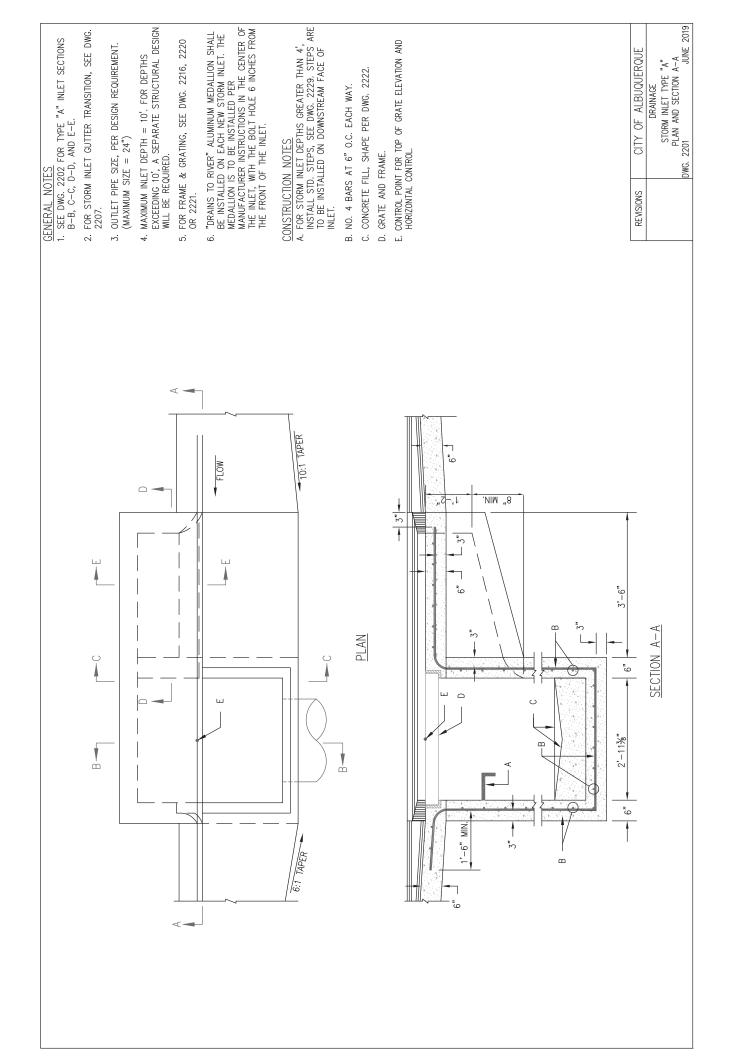
## SECTION 2200

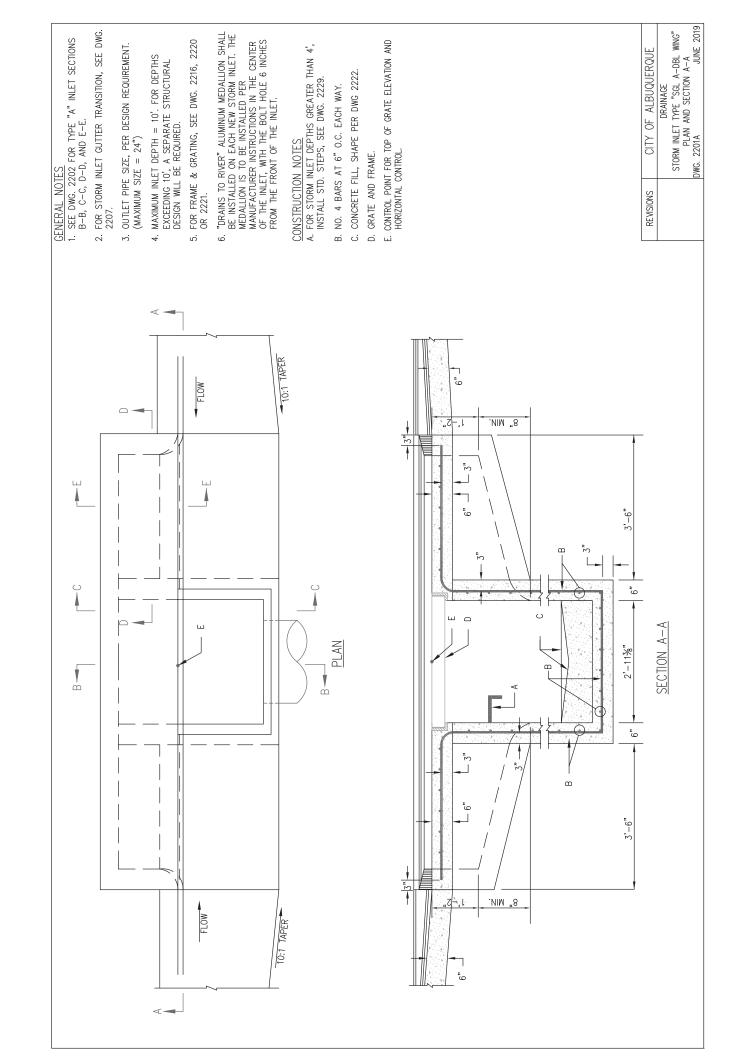
## STANDARD DETAILS FOR DRAINAGE

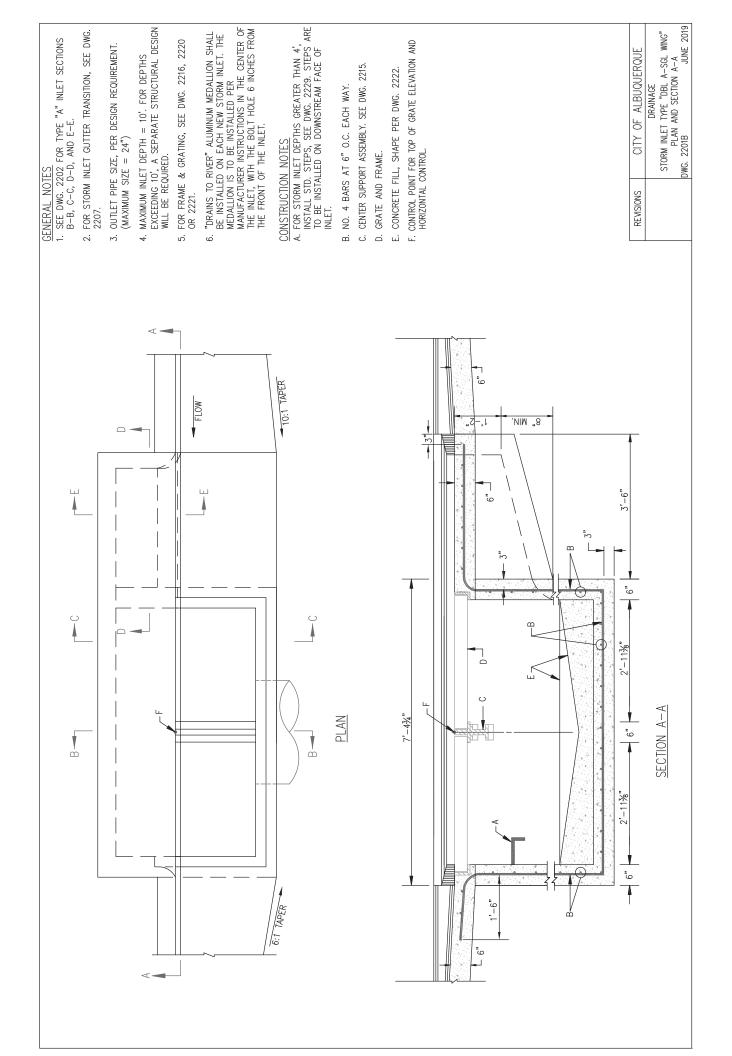
<u>DWG. NO.</u> 2201	DRAINAGE STORM INLET TYPE "A" PLAN AND SECTION A-A
2201 2201A	DRAINAGE STORM INLET TYPE "SGL A-DBL WING" PLAN AND SECTION A-A
2201B	DRAINAGE STORM INLET TYPE "DBL A-SGL WING" PLAN AND SECTION A-A
2201C	DRAINAGE STORM INLET TYPE "DBL A-DBL WING" PLAN AND SECTION A-A
2202	DRAINAGE STORM INLET TYPE "A" SECTIONS B-B, C-C, D-D, AND E-E
2205	DRAINAGE STORM INLET TYPE "C"
2206	DRAINAGE STORM INLET TYPE "D"
2207	DRAINAGE STORM INLET GUTTER TRANSITION
2208	DRAINAGE STORM SEWER MANHOLE TYPE "C"
2209	DRAINAGE STORM SEWER MANHOLE TYPE "E"
2210	DRAINAGE STORM SEWER MANHOLE FRAME AND COVER
2212	DRAINAGE STORM SEWER CONCRETE MANHOLE TOP SLAB TYPE "C"
2215	DRAINAGE STORM INLET CENTER SUPPORT ASSEMBLY
2216	DRAINAGE STORM INLET FRAME
2220	DRAINAGE STORM INLET ALBUQUERQUE GRATE
2222	DRAINAGE INLET SHAPING
2229	DRAINAGE STEP DETAILS
2235	DRAINAGE DRAIN LINE THROUGH CURB
2236	DRAINAGE SIDEWALK CULVERT
2237	DRAINAGE DRAIN LINE CONNECTION TO EXISTING STORM INLET
2240	HP PP STORM TRENCH INSTALLATION
2250	DRAINAGE STATIONARY AND REMOVABLE POST DETAILS
2251	DRAINAGE PIPE GATE DETAIL
2252	DRAINAGE STANDARD CHAIN LINK GATE AND FENCE DETAIL
2253	DRAINAGE SQUARE TUBE GATE DETAIL
2260	DRAINAGE TYPICAL LINING FOR DRAINAGE EASEMENTS
2261	DRAINAGE CHANNEL DETAILS
2265	DRAINAGE CHANNEL EXPANSION JOINT WITH SLEEPER
2266	DRAINAGE EXPANSION JOINT CONNECTION TO CONCRETE WALL
2267	DRAINAGE CHANNEL EXPANSION JOINT REPAIR
2268	DRAINAGE SLEEP JOINT PROTECTION PLATE
2270	DRAINAGE WIRE ENCLOSED RIPRAP
2271	DRAINAGE CATTLE GUARD INLET
2272	DRAINAGE CATTLE GUARD INLET
2273	DRAINAGE MEDIAN STORM INI ET

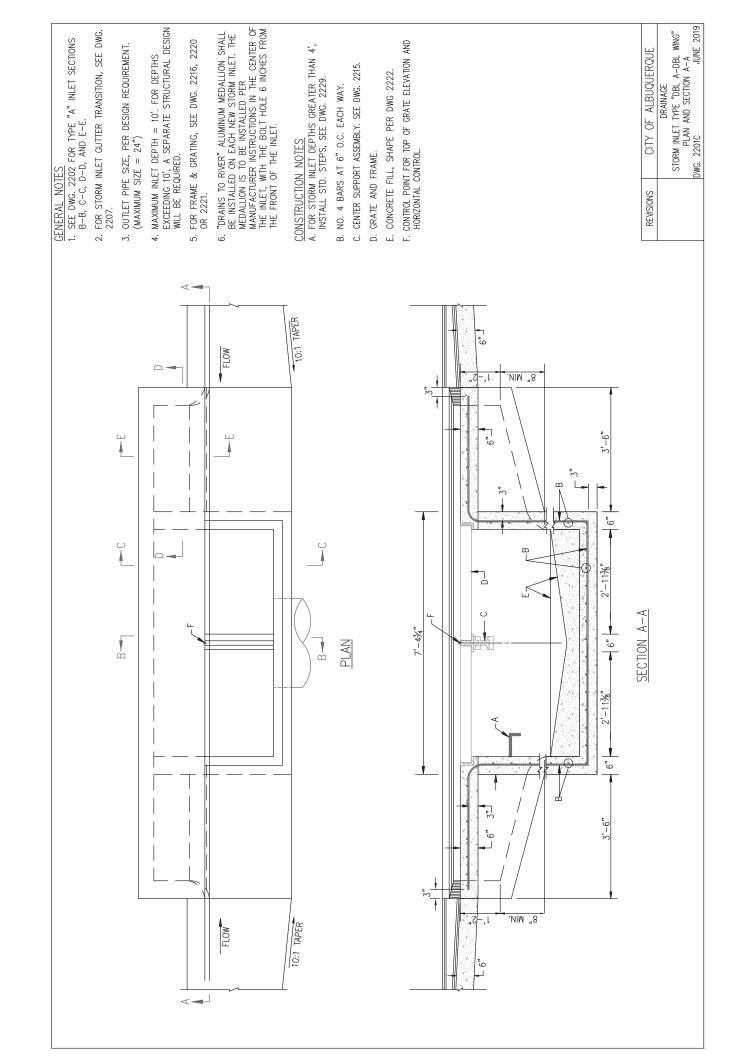
- 2273 DRAINAGE MEDIAN STORM INLET
- 2274 DRAINAGE STATIONING AND WATER DEPTH MARKS IN CONC. LINED CHANNEL SECTION

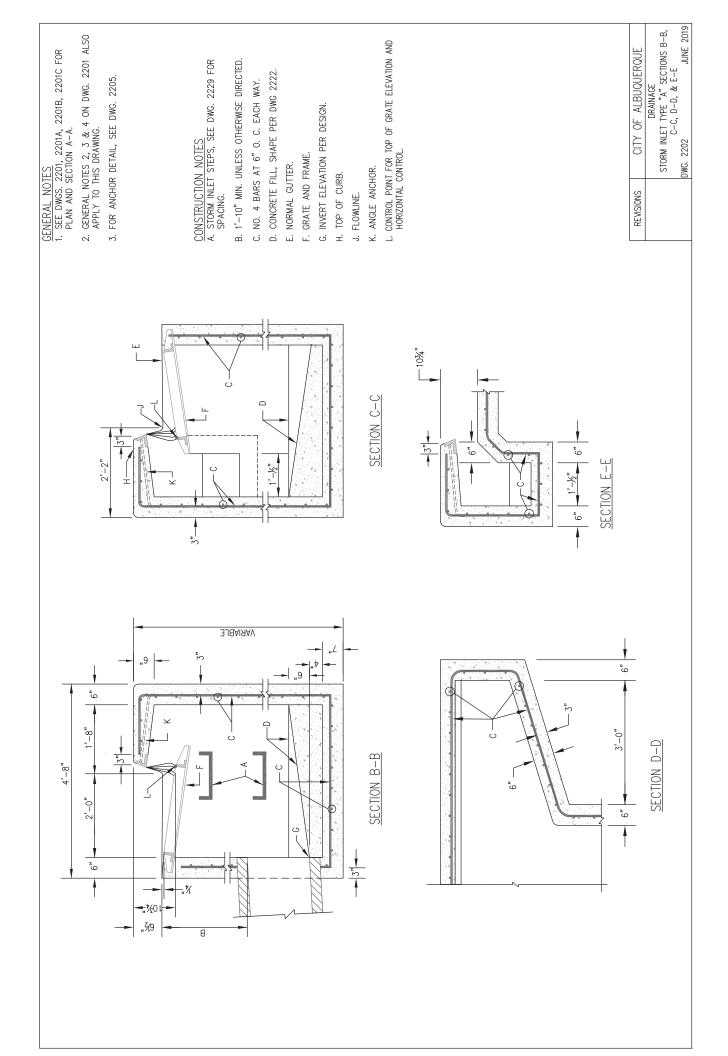


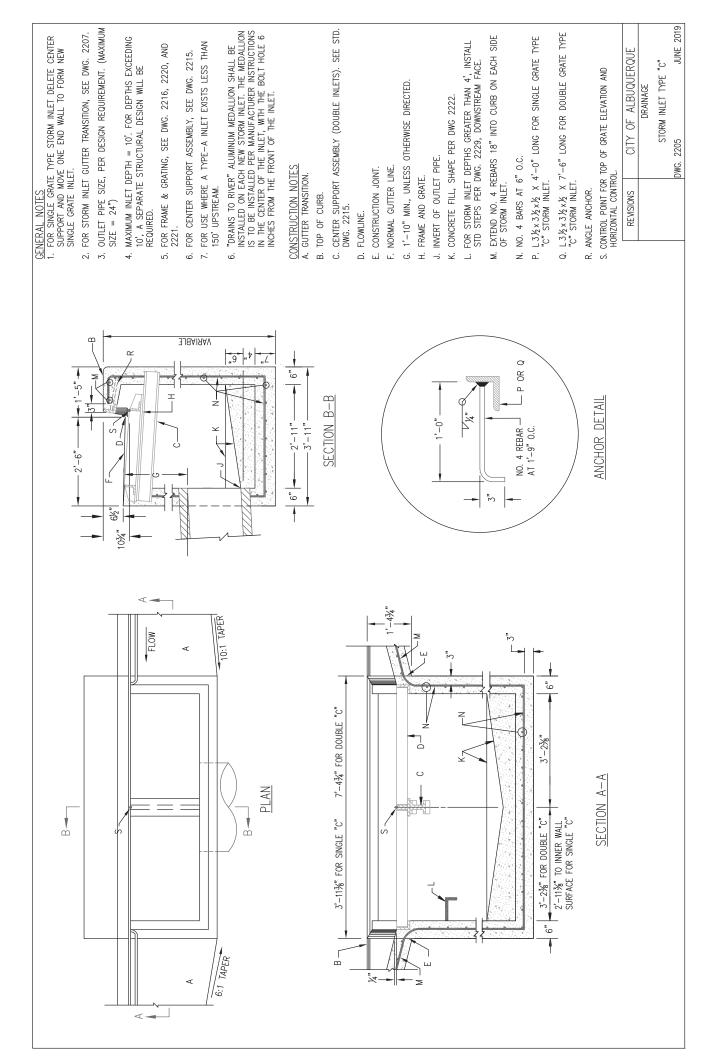


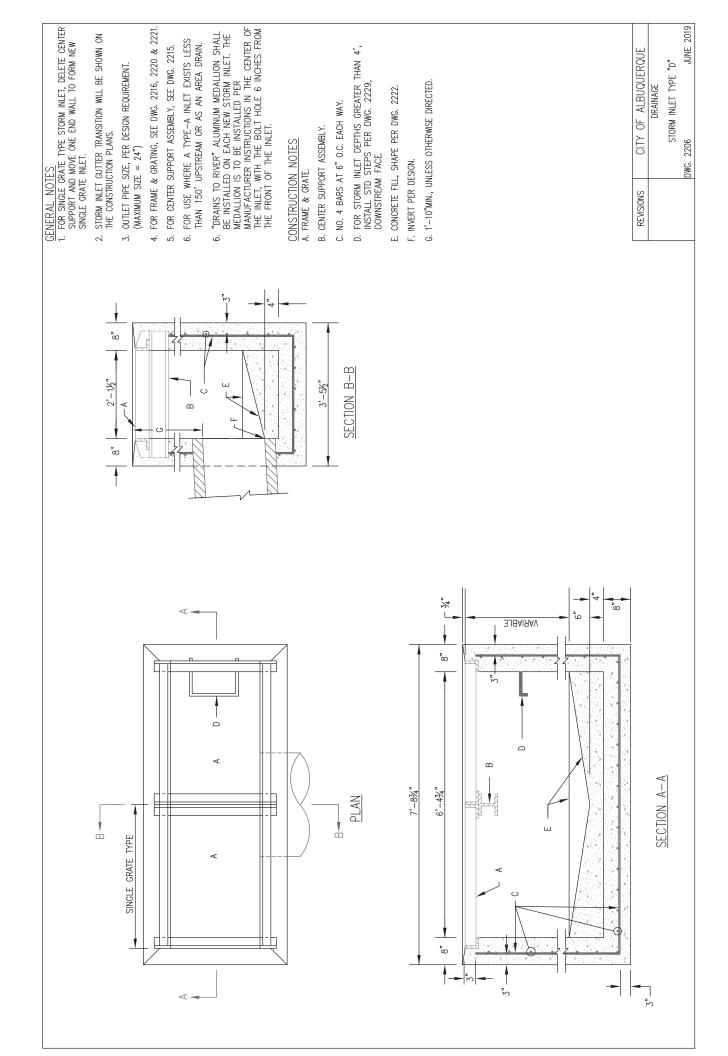


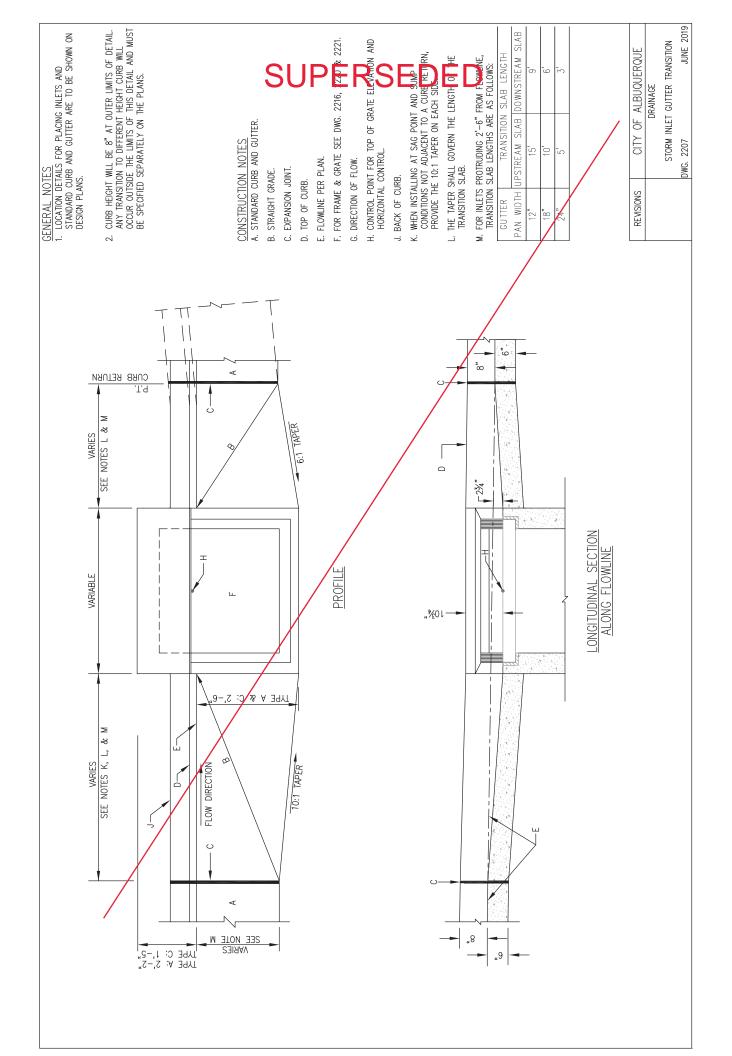


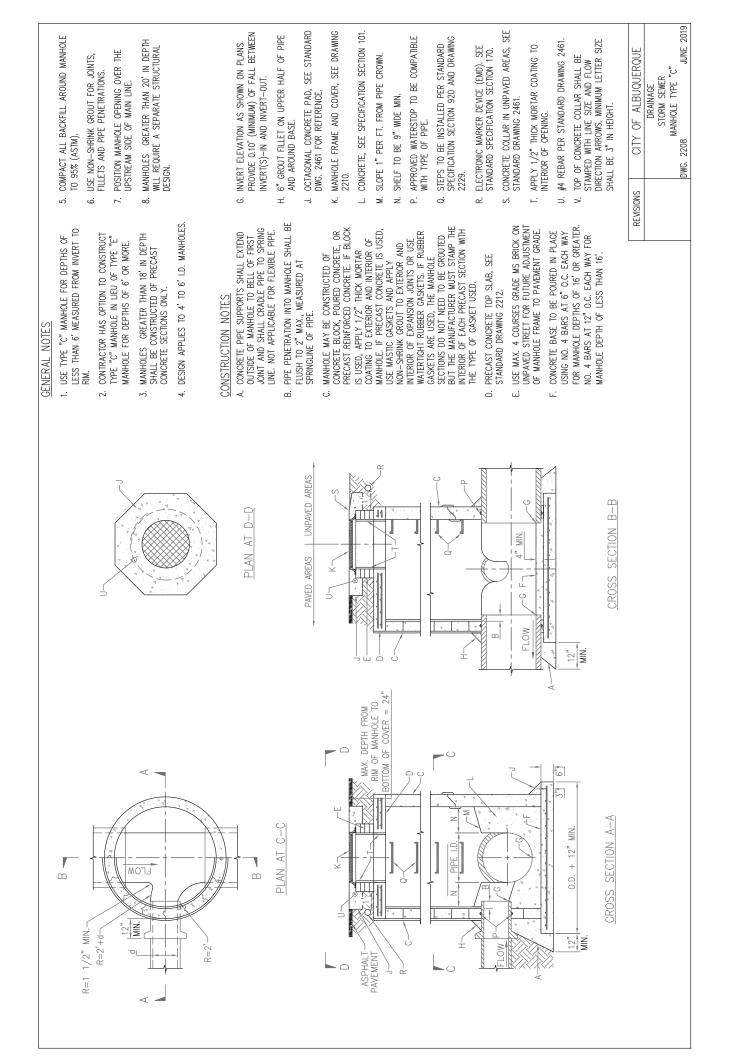


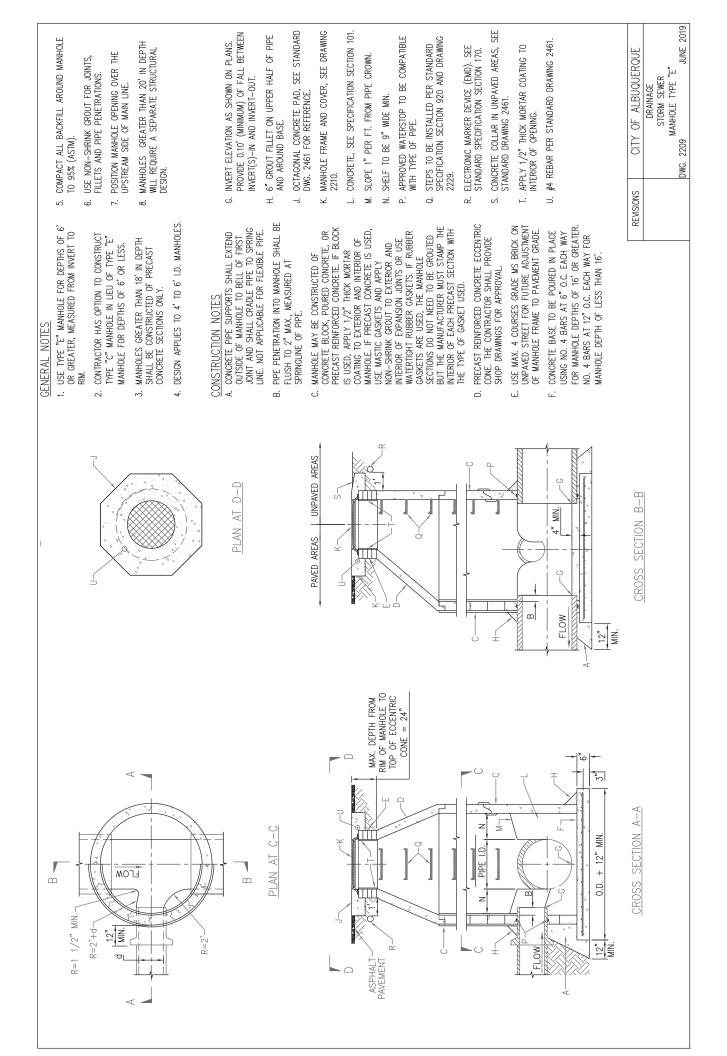


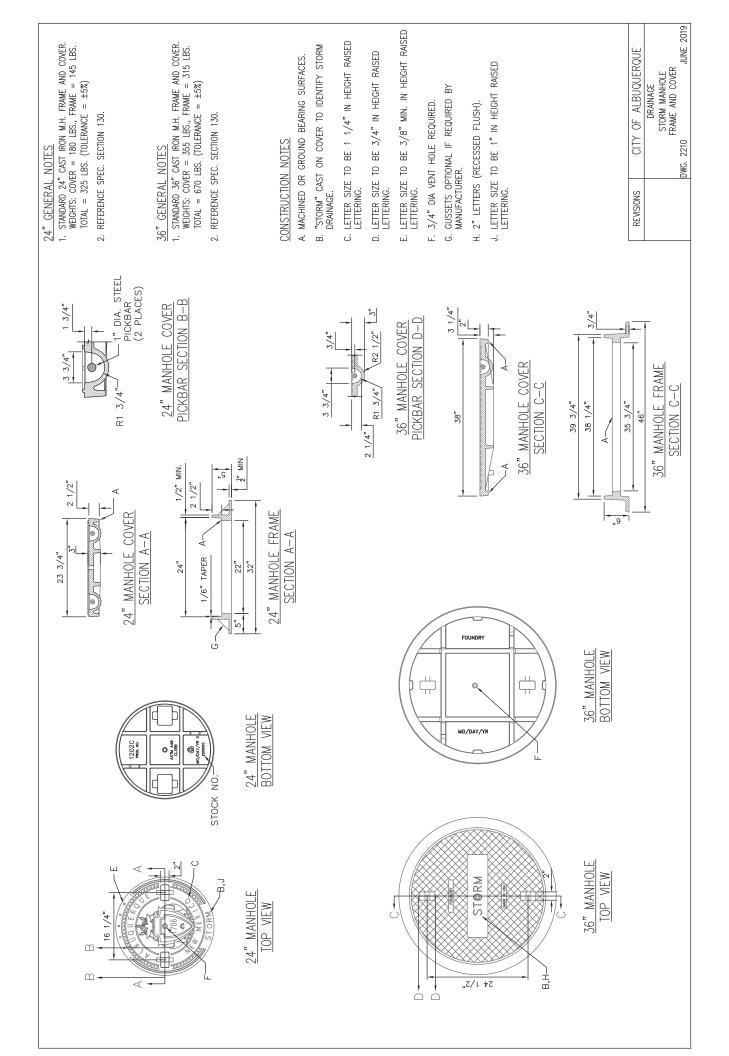


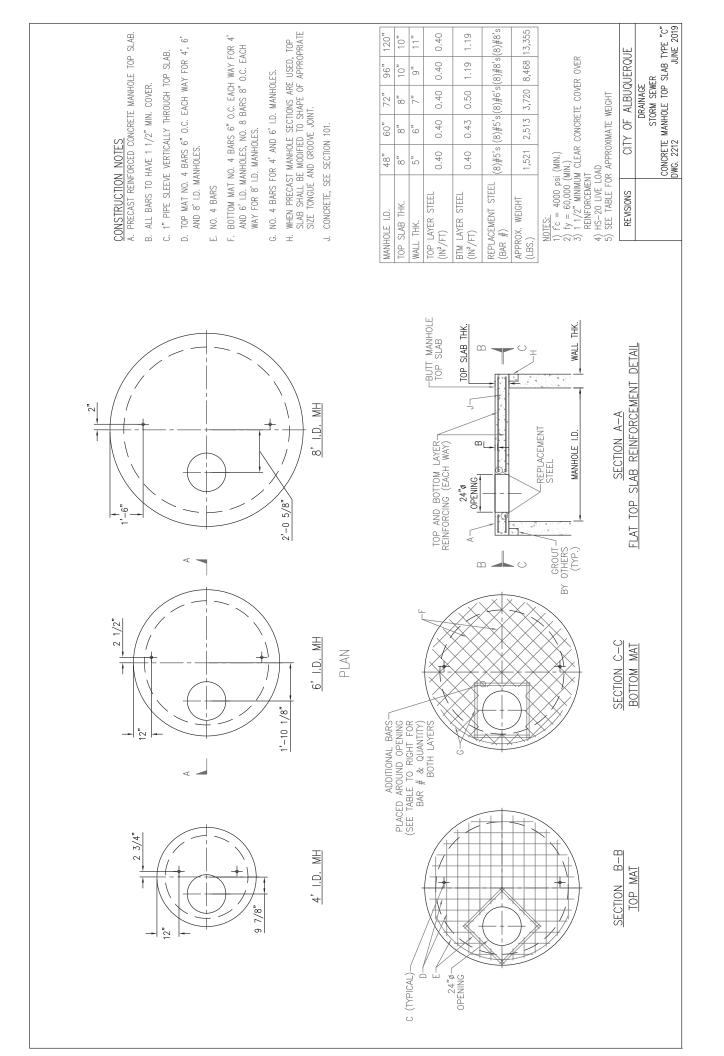


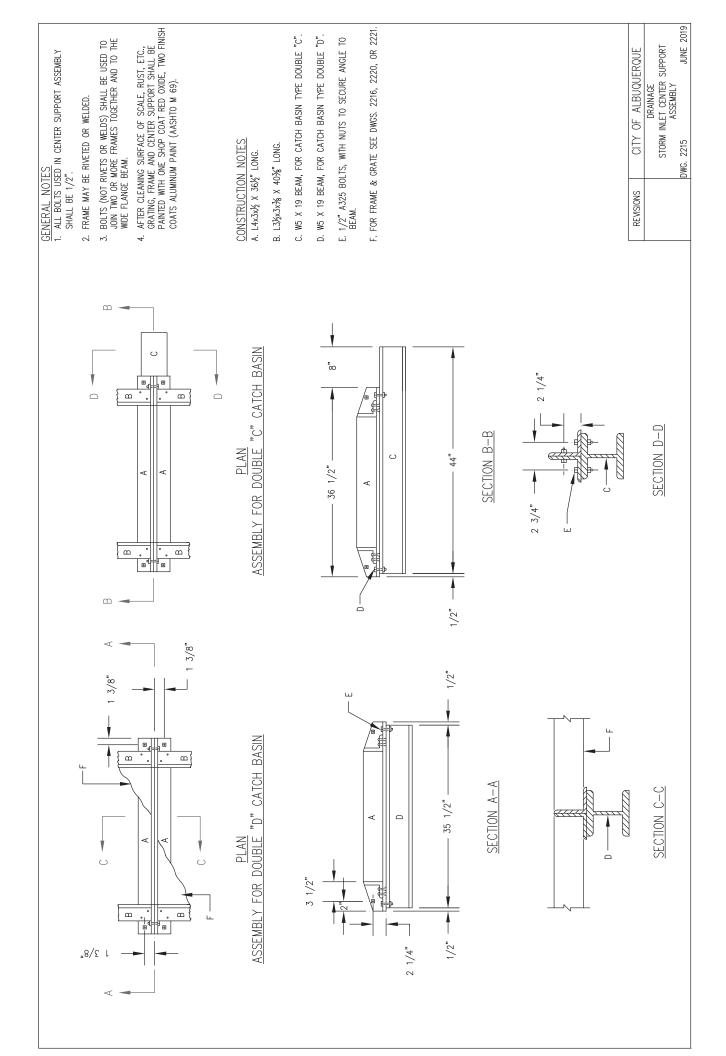


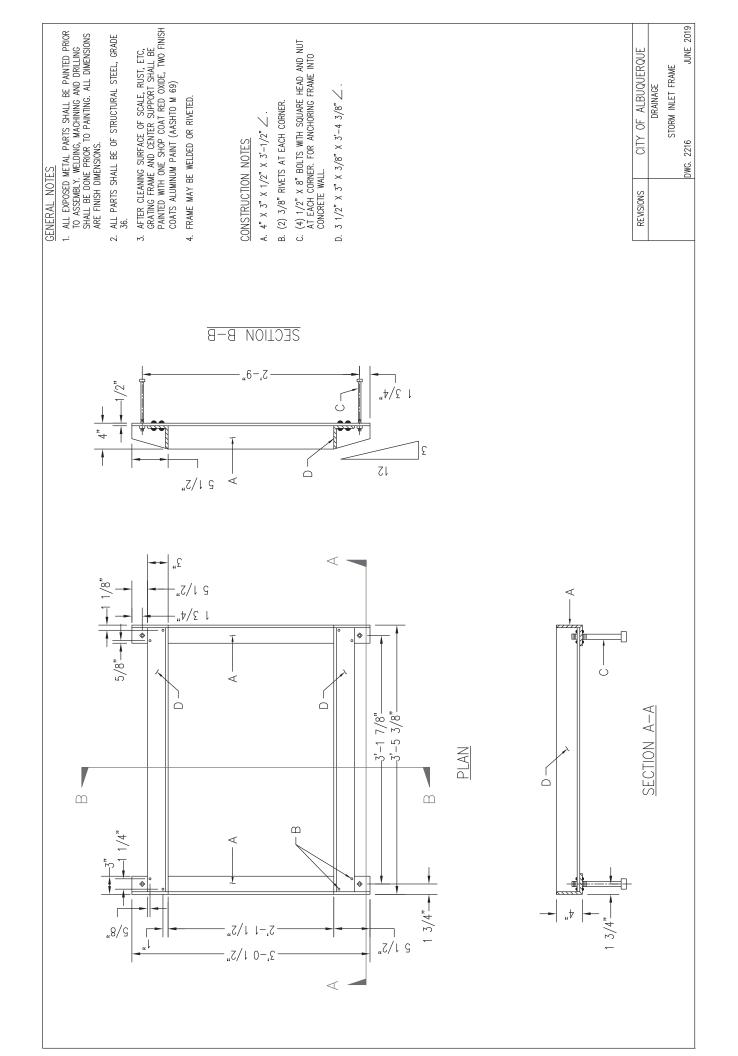


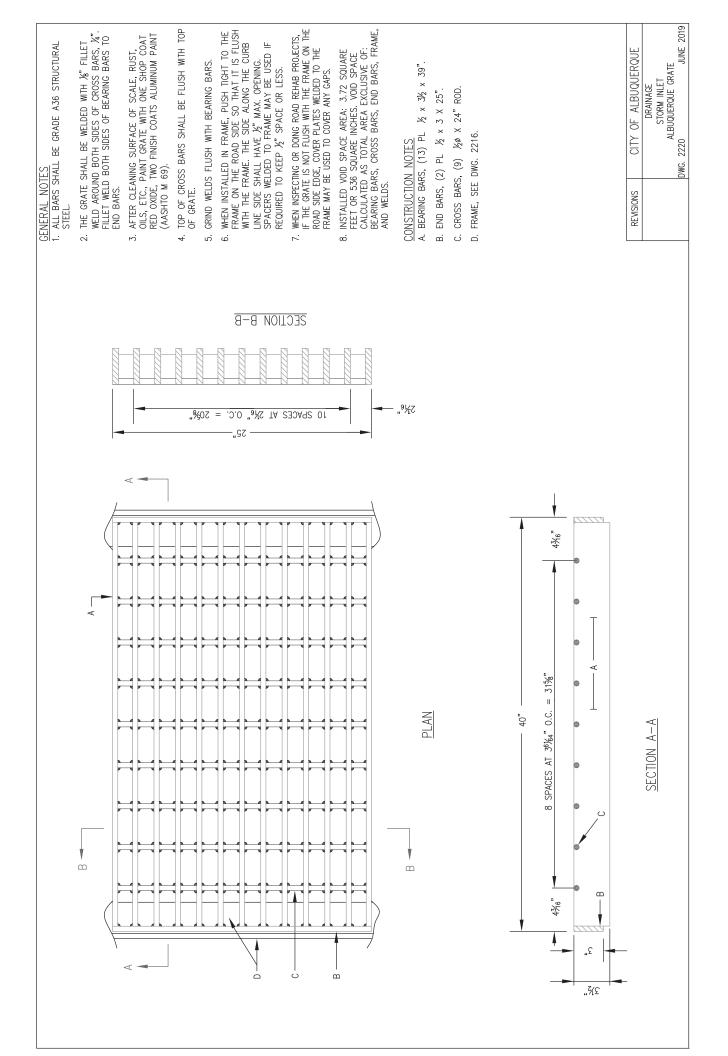


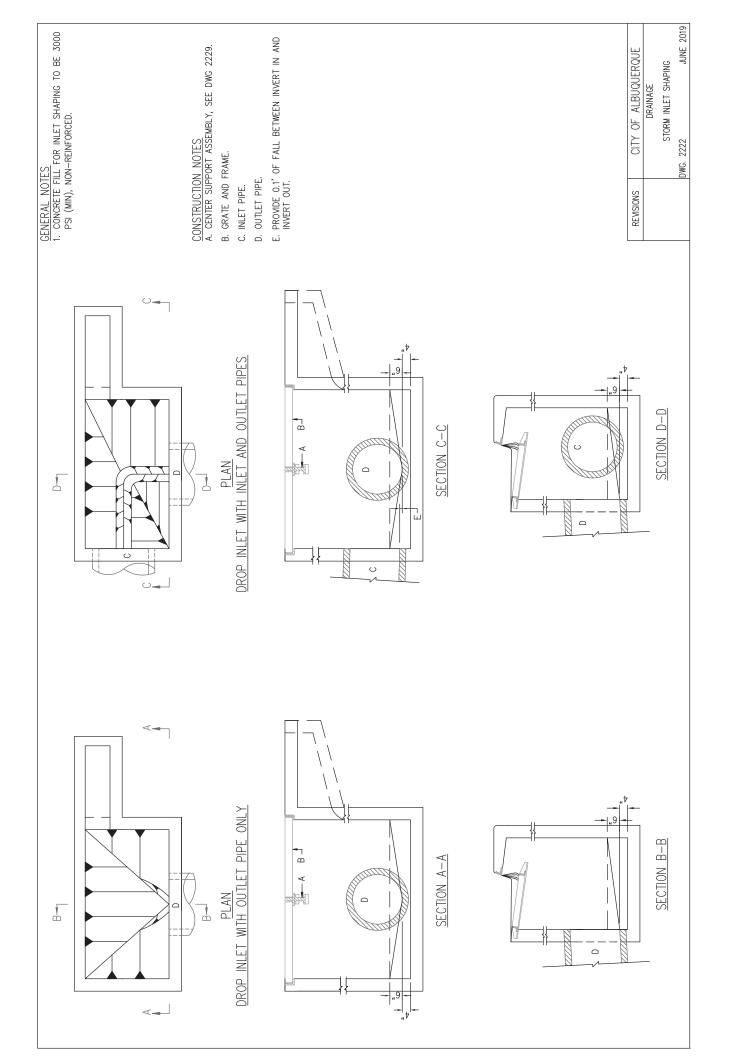


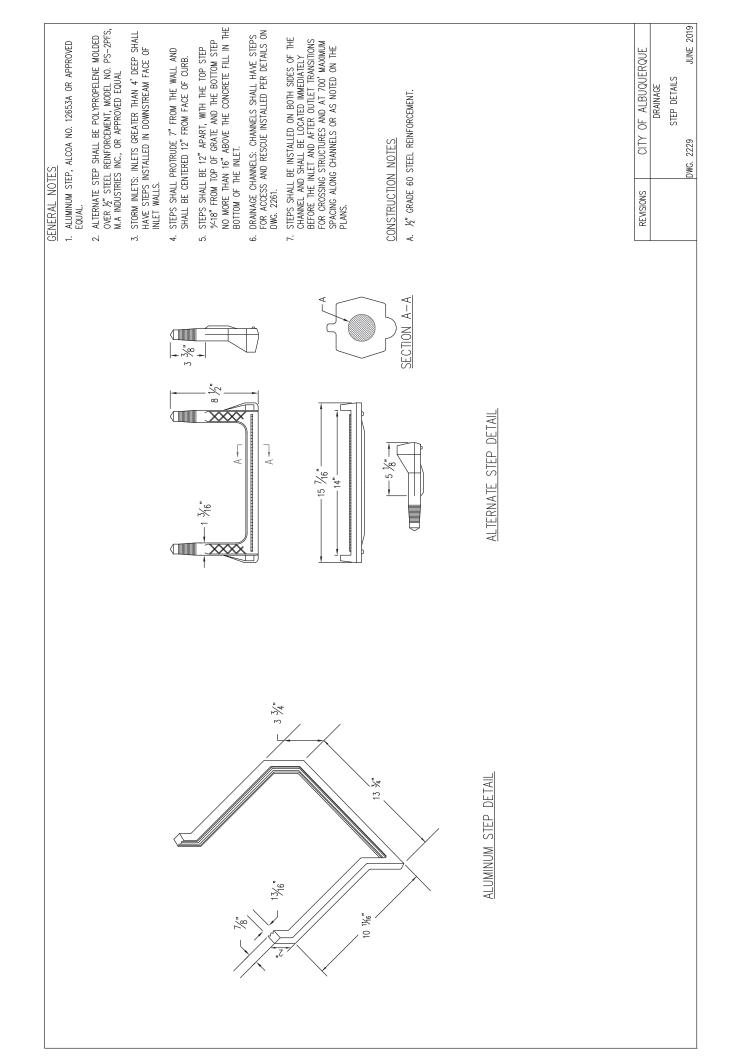


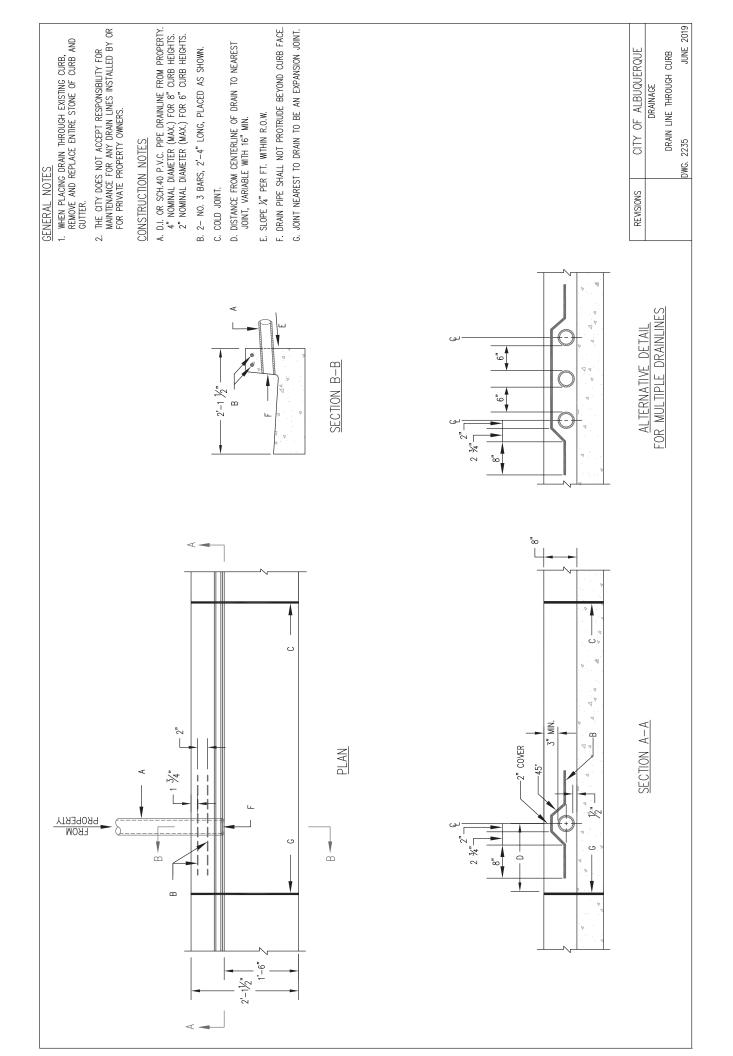


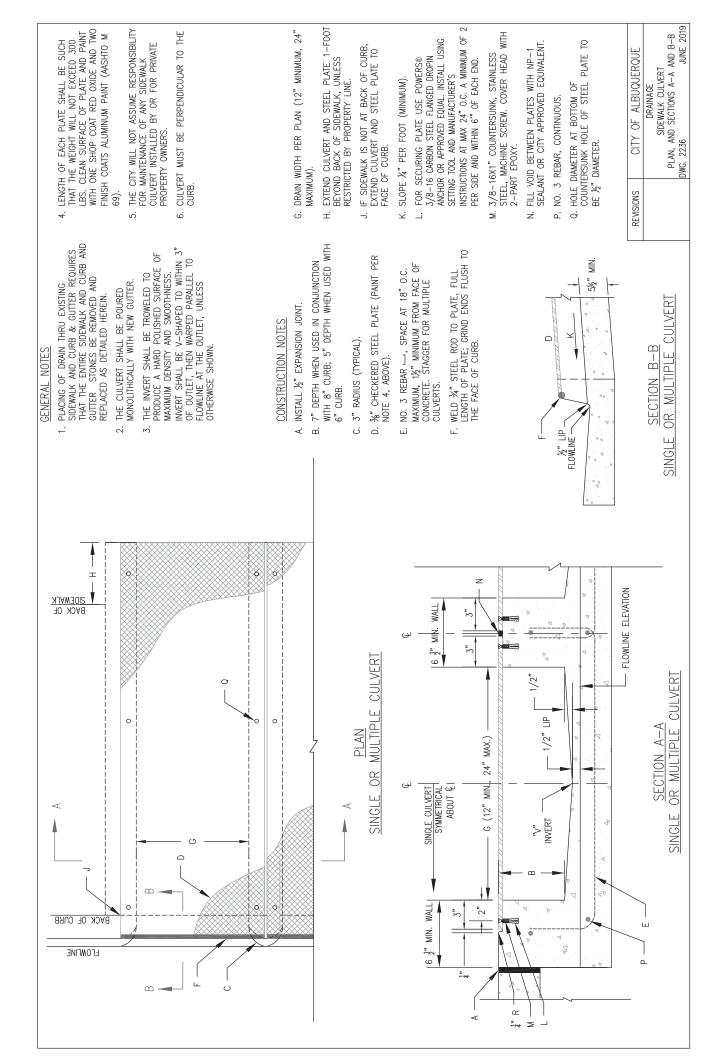


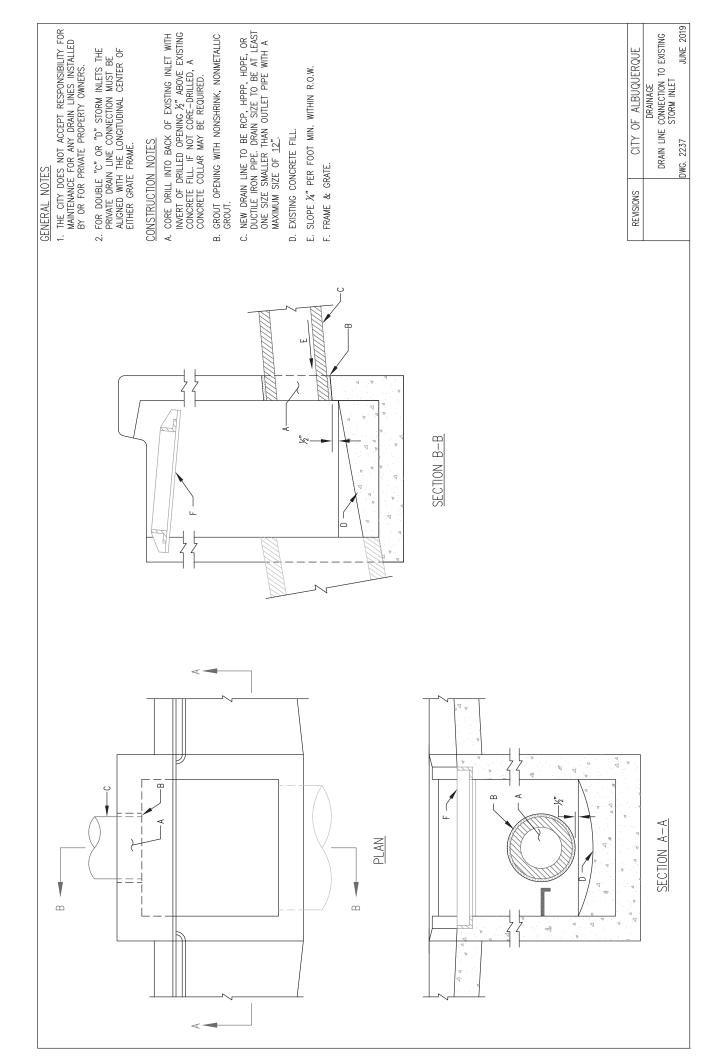








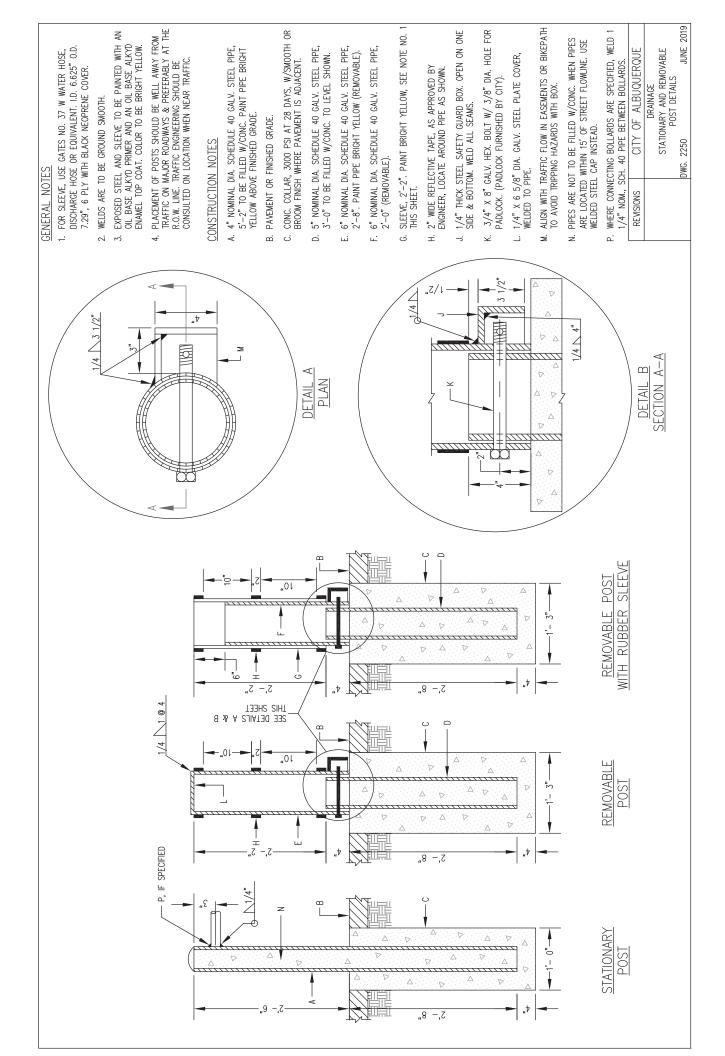


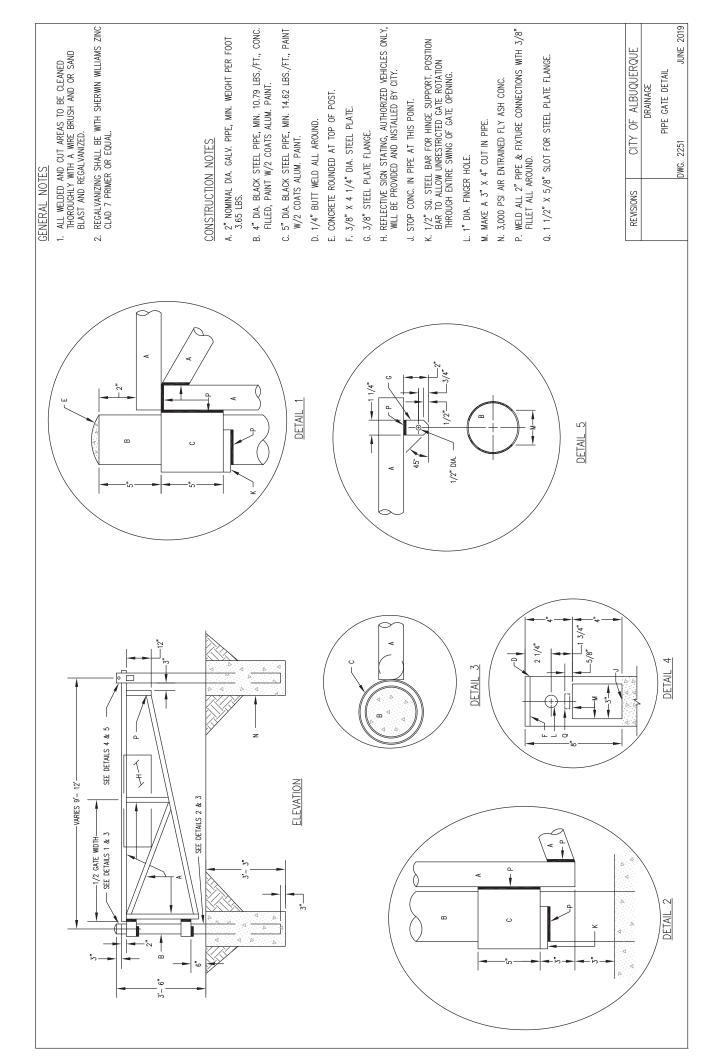


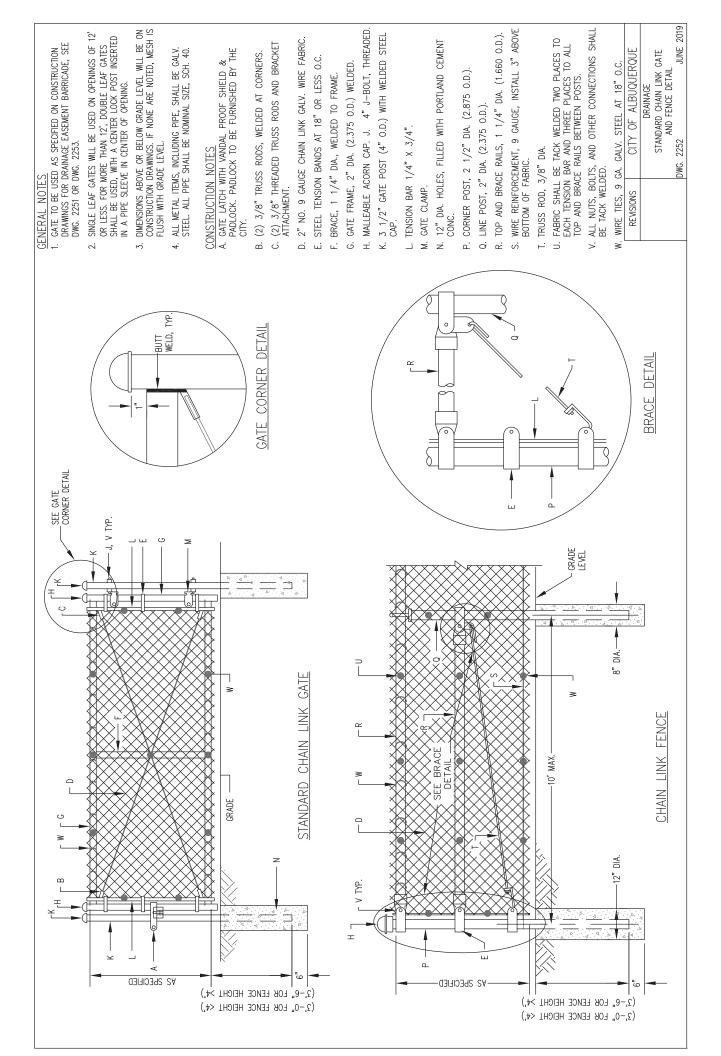
7. FOR ADDITIONAL INFORMATION SEE TECHNICAL NOTE 2.04.		FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" (300mm) UP TO 48" (1200mm) UIAMETER PIPE AND 24" (600mm) OF COVER FOR 60" (1500mm) DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT FILL HEIGH	THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS; CLASS FOR II MATERIAL COMPACTED TO 90% SPD AND CLASS III COMPACTED TO 95% SPD IS REQUIRED.	6. <u>MINIMUM COVER</u> ; MINIMUM COVER, H. IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" (300mm) FROM	MATERIALS AS DEFINED IN ASTM D2321 ARE NOT APPROPRIATE BACKFILL MATERIALS.	SHALL BE COMPACTED TO A DENSITY OF NOT LESS THAN 90% OF MAXIMUM DENSITY PER ASTM D1557. CLASS IV	BE INSTALLED AS REQUIRED IN ASTM 02321, LATEST EDITION. FOR TRAFFIC APPLICATIONS; CLASS I, II, OR III MATERIAL	PIPE THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, MATERIAL SHALL		1/3 BENEATH THE PIPE INVERT SHALL BE LOOSELY PLACED.	(100mm) FOR 12*24" (300mm-600mm) DIAMETER PIPE; 0* (150mm) FOR 30*-60" (750mm-600mm) DIAMETER PIPE; THE MIDDLE	MATEKIAL SPECIFICATION TO ENGINEER. COMPACTION STALL BE 90% OF MAXIMUM DENSITY PERASTMUTS) OR AS MATEKIAL SPECIFICATION TO ENGINEER. COMPACTION STALL BE 90% OF MAXIMUM DENSITY PERASTMUTS) OR AS	4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II, OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR	AT THE DISCRETION OF THE DESIGN ENGINEER. THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.		3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED	2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.		ARE PER THE LATEST VERSION OF ASTM D2321. CLASS NO MATERIALS (MH, CH) AS DEFINED IN PREVIOUS VERSIONS OF ASTM D2321 ARE NOT ADPROPENDED MATERIALS (MH, CH) AS DEFINED IN PREVIOUS VERSIONS OF	WITH THE EXCEPTION THAT THE INITIAL BACKFILL MAY EXTEND TO THE CROWN OF THE PIPE. SOIL CLASSIFICATIONS	INSTALLATION OF THE MOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS' IN LATEST ADDITION.	1 ALL DIDE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321 "STANDARD BRACTICE FOR INDERGROLIND	NOTES:	MIN	/	H BEDDING		HAUNCH	SFRINGLINE BACKFILL			BACKFILL	FINAL		NIN. COVER TO NIN. COVER TO FIXIBLE PAVEMENT H				HP STORM TRENCH INSTALLATION DETAIL				
NO HYDROSTATIC PRESSURE	CE FACTOR DESIGN	T TABLE GENERATI	(1500mm )	60 <b>"</b>	(1200mm	48"	( muncon)	42"	(mu006)	"AF	30" (750mm)	(600mm)	(430mm) 24"	18"	(375mm)	(300mm)		PIPE DIA		TABLE 3, M	* VEHICLES IN EX	(1500mm)	60"	(200mm)	12" - 48"	PIPE DIAM.			TABLE 2, MINIMU													TABLE 1, RECO	
	RESISTANCE FACTOR DESIGN (LRFD) PROCEDURE WITH THE FOLLOWING	ED USING AASHTO S	n) (4		ن •	+	(9.1m) (4.3m)		(8.5m) (4.3m)	+		(11.3m) (5.5m)	<u>(13.4m)</u> (0.4m) 37 18		(12.8m) (6.4	(12.5m) (6.4m) 42 21		COMPACTED 90%	CLASS I CLASS II	TABLE 3, MAXIMUM COVER FOR HP STORM PIPE, ft	VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER	(610mm)	24"	(305mm)	12"	H-25		CIDEACE	VEHICLE LOADING CONDITIONS				(1050  mm) $(1829  mm)$							3	PIPE DIAM. MIN. TH	COMMENDED MINIM	
	RE WITH THE FOLLO	SECTION 12. LOAD	(J	_	្ព	+	im) (3.4m)		(3	+		$\vdash$	m) (3.2m) 3 14		m) (4.9m)	+		$\downarrow$	S II CLASS III	R HP STORM PIPE, ft	REQUIRE ADDITIONA	(1524mm)	60	(1219mm)	48	(75T AXLE LOAD) *	I HEAVY CONSTRUCTION		DUCOVER BASED O		6" ()	2mm)	2 mm)	<u>simm)</u>	4"mm)	 9mm)	mm)	o""	4"		. TRENCH	MMENDED MINIMUM TRENCH WIDTHS	
																					L COVER	nm)		nm)		LOAD) *	STRUCTION		Z	:												S	
HP PP STORM TRENCH INSTALLATION																																											

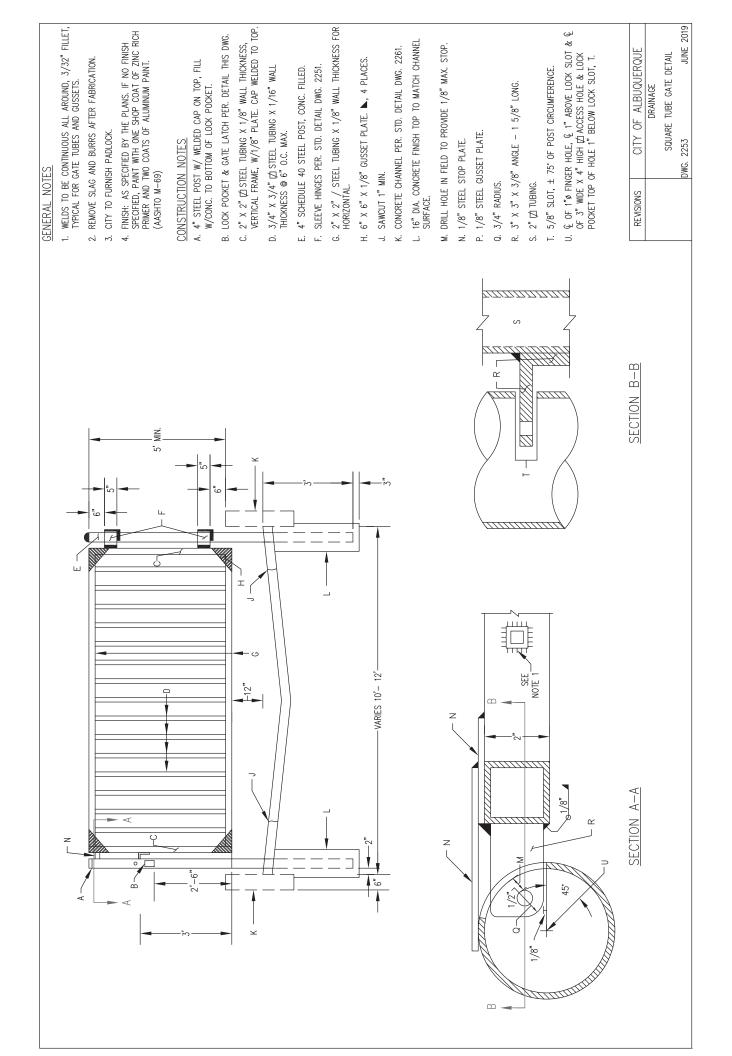
DWG. 2240

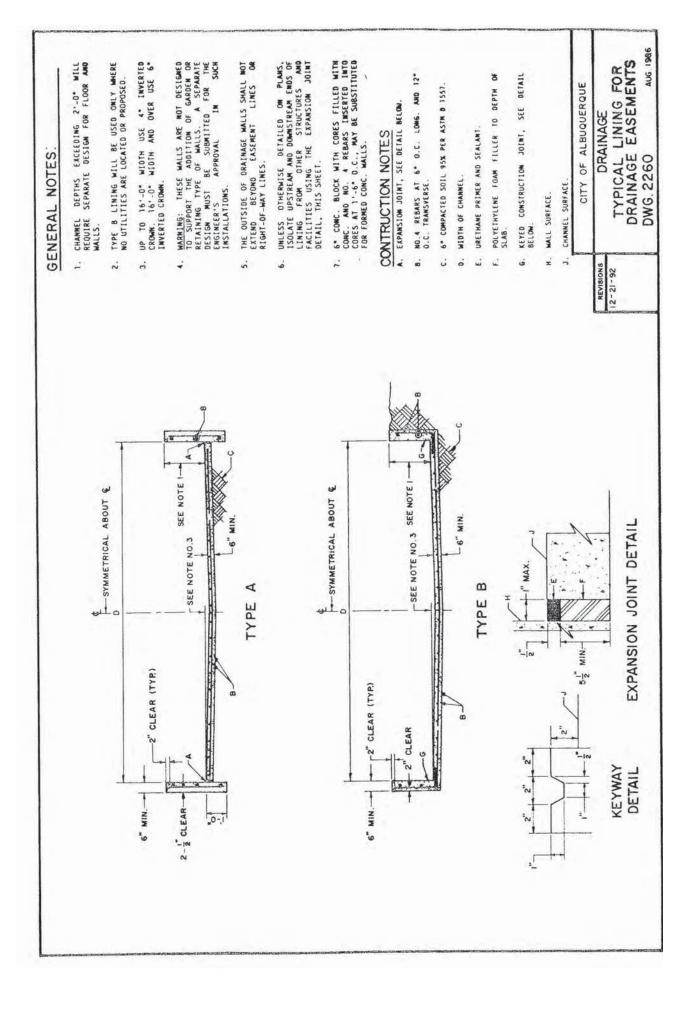
MAY 2020

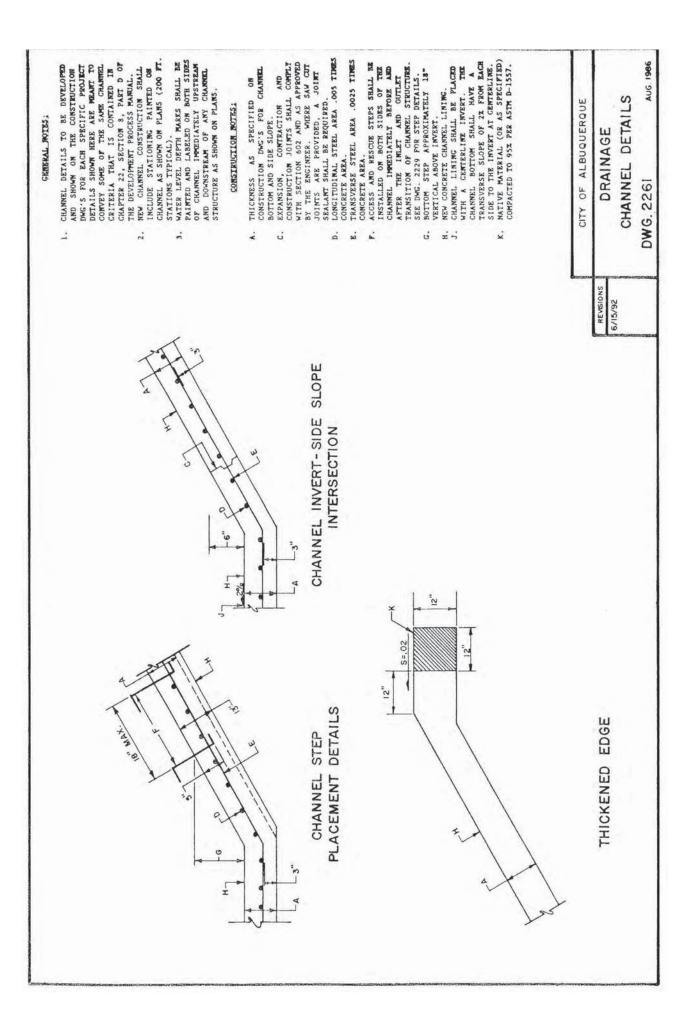












AUG. 1986 JOINT POUR UPSTREAM SECTION WITH FLY ASH CORCRETE. SEC BAGE 226: TOR CHANNEL LINEIMG THICKNESS. VERTICAL SIDES OF FORM USED TO BLOCK OUT SPACE FOR SECANN SALLUES SHOOTH, CLEM MALTELIAL TO AVOID CAUSING CONTANIANTION AND FOR EASE OF REMOVAL. CONCRETE SHALL BE CURED TO MINIAN BOX OF DESIGN STREAGH BEFORE INSTALLING SEALANT. PLACE POLYETAYLENE FOAM FILLERS AS SHOWN, PLASTALORE OF APPENDED EOUL. DO NOT ANCHOR WITH MALLS OR BONDING AGENI: REFE IN PLACE WITH REESH CONCRETE MARE POLARIGG UNSTREAM SECTION NOT ALLOW FIST CONCRETE SECTION DO NOT ALLOW FIST CONCRETE SECTION FIST CONCRETE SECTION DO NOT ALLOW FIST CONCRETE SECTION FIST INNEGLATELY INSTALL ETHYLENE VINYL ACCTATE FORM SCARME, DAR SCAL OR APPROVED EQUAL, AS SHORM, DIRENSION OF APPROVED EQUAL, AS SHORM, DIRENSION OF FORM SCALANT BEFORE LENSIALTION SAALL FORM SCALANT BEFORE LENSIALTION SAALL BE FOR DIRENSION I ABLE, FORM SCALANT INSTALE DIRENSION I ABLE, FORM SCALANT INNEGLATELY REPORT ALL BONDLR FORM TOP SURFACE OF STALANT FORM AND POUR DOWN STREAM COMCRETE SECTION AS SCHOWN WITH AND UNTHUNG FELAT AND DRY BROOM FENISH. APPLY STEEL TROME FENISH TO BRAING PLATE SUBPACE ONLY. BRAING PLATE SUBPACE ON STREETE TO BRAING PLATE SUBPACE ON STREETE TO BRAING PLATE SUBPACE ON STREETE FORMS MULTICANAG POUR. AT I SHOWN CHANNEL EXPANSION WITH SLEEPER DWG, 2265 LOW DENSITY POLYETHYLENE BEARING PLATE, 1/4" 2.4", POLYETHYLENE BEARING FAST AS CHANNEL. CARE SAUL BE TAKEN NOT TO LOCK EDGE OF PLATE WITH CONCRETE FILLED HOLES DE FLASHING. COMPACT SOLL TO TOP PLANE OF PLATE. CITY OF ALBUQUERQUE PREPARE VERTICAL MOSING FOR BONDER BY SANDBLASTING. BLOW ALL SAND OUT OF THE JOINT BEFORE APPLYING BONDER. SAND SURFACE OF SEALANT FLUSH TO TOP OF CONCRETE. APPLY ULTRA VIOLET PROOFING. 2 COATS, FLEXCOAT 19 OR APPROVED EQUAL. BONDER BEAD IN GROOVE BETWEEN TOOLED RADIUS AND SEALANT IS TO REMAIN. STEEL ONLY. DRAINAGE ¥5 FORM AND POUR CONCRETE SLEEPER. TROMEL BEARING SURFACE SIDE RECOMPACT ADJACENT SOIL. PLACE 1/4 X 6' LOW POLYETHYTENE BEARING PLATE A: DETWEEN THE THO FILLER SECTIONS. SIZES. 3 • ..... ÷ ú x, à s REVISIONS STEEL SIZE AND SPACING PER 0.P.M., LONGITUDIMAL SIEL MERA CONCRETE AREA. TRANSVERSE SIEL AREA. 0023 TIMES CONCRETE AREA. TIE AREA. 0023 TIMES A BAR AT 12" 9/21/92 AS 500M AS THE STEP JOINT IS COMPLETE, THE EXDOSE ENDS OF THE STEP JOINT AT CHANNEL EDGE SMALL DE COVERED WITH A PROTECTIVE SHEET OF 16 GA GALV. STELL WITH J/Y CRIMPED EDGES ANGLOR AT THO CORRES ON ONE SIDE DEGES ANGLOR AT THO CORRES ON ONE SIDE OF THE JOINT, MOD EXTEND AT LEAST 3" PAST THE SEALMIT, FILLERS AND LOWER BEARING PLATE. FOR NEW CONSTRUCTION DISFEGARD REVABLICATION NOTES, A COU JOINT IS ALLONED A MINIUM OF S OM EITHER SIDE OF JOINT CENTERINE WITH REBAR CONTINUOUS THROUGH COLD JOINT SARPLIST COLD JOINTS BEFORE PLACING NEW CONC. ALTERNATE 2-BAR LOCATIONS IN TWO POSITIONS SHOWN SEE "2" BAR DETAIL THIS SHEET, SECURELY THE ALL CONNECTIONS AND SUPPORT SLEEPER MAT WITH CHAIRS. SAM CUT EXISTING CONCRETE LIMING AS NARKED IN FIELD, 1\* TO 1/2\* DEEP. BREAD UN AND REMOVE EXISTING LIMING AND JOINT. CAREFULT PRESERVE REIMFORCING STEEL 18\* FROM CUT. SANDBLAST EDGE OF EXISTING COMCRETE JUST PRIOR TO PLACING NEW CONCRETE. PE R ð EXPANSION JOINT WITH SLEEPER SHALL BE USED TH WEN AND REMAILINTION CONSTRUCTION AS SPECIFIED BY THE ENGICER, JOINT WATERIALS SHALL DE ENGICER, JOINT WATERIALS SHALL DE RECOMPENDATIONS. FOR PARTIAL JOINT CONSTRUCTION. A 15 16. FLUT BOND BREAKER, THE MIDTH OF THE STEP JOINT SHALL BE APPLIED BRITHER EXISTING AND REPLACEMENT JOINT EXISTING AND REPLACEMENT JOINT REMABILITATION MAY BE REQUIRED AT EITHER OR BOTH SIDES OF STEP JOINT. EXISTING REINFORCING STEEL TO REMAIN. EXISTING CONCRETE CHANNEL LINING STRUCTURE. COMPACT SUBGRADE TO MIMIMUM 90% ASTM 0 1557. SLAB WITH NUMBER 4 B DOWNSTREAM SLAB "Z-CHAIRS", NUMBER CENTER-CENTER. CONSTRUCTION NOTES: MATERIALS. GENERAL NOTES ŵ ..... . ġ ÷ : 0 ë. -2. THICKNESS -A ORDER SIZE NANK W 3 1/2" DEPTH 2 1/2" 3" TYP. --4 L 21. > NA NEW EXPANSION JOINT WITH CONCRETE SLEEPER 3 3/4" 6 1/4" WIDTH j SEALANT -0 9 BAR DETAIL IZ'' MIN. > FILLER AND SEALANT DIMENSION TABLE (INCHES) REPLACEMENT OR . L 10 -9 -2" MIN 5 "Z " T STEEL SIZE AND SPACING PER. DPM SEALANT BLOCK - OUT M6 2 1/2" DEPTH 3 1/2" (SD) -4 N -2 -9 CROSS SECTION DETAIL OF WIDTH A (MS) FLOW N N 7 10 JYP. DETAIL"I" 0 3 3/4" 2 3/4" 2 1/4" DEPTH 4 1/4" 4 (MT) MIN 12" DETAIL "I" TOP 11-3/4-WIDTH N n 4 n ĩ 5 \* -9 SW 0 FILLER SIZE (M) HT930 à BOTTOM (MB) 9 'o 'o 'o S 6 QS WIDTH -"N "N "4 A

