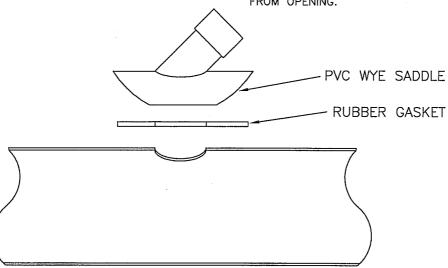
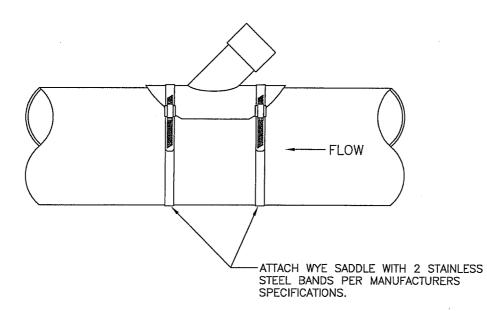


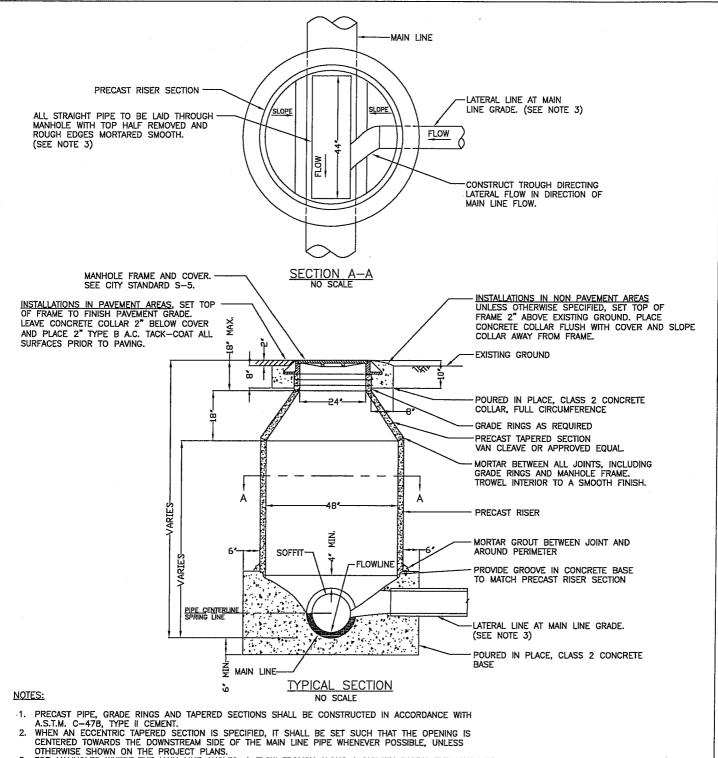


USE WYE GASKET TO TRACE SIZE AND SHAPE OF OPENING ONTO PIPE. REMOVE ALL BURRS FROM OPENING.

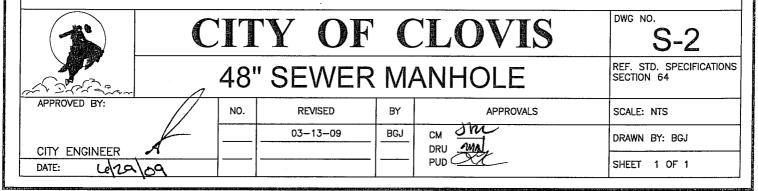


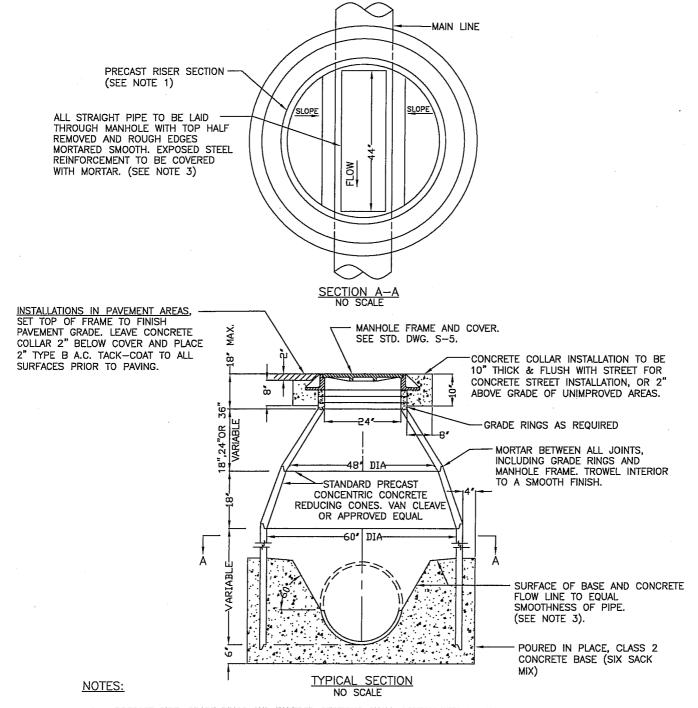


	C		Y OF		CLOVIS	S-1A
	TA	REF. STD. SPECIFICATIONS SECTION 64				
APPROVED BY:		NO.	REVISED	BY	APPROVALS	SCALE: NTS
CITY ENGINEER .	109	-	03-13-09	BGJ	CM JIV DRU AMA PUD Z	DRAWN BY: BGJ SHEET 1 OF 1



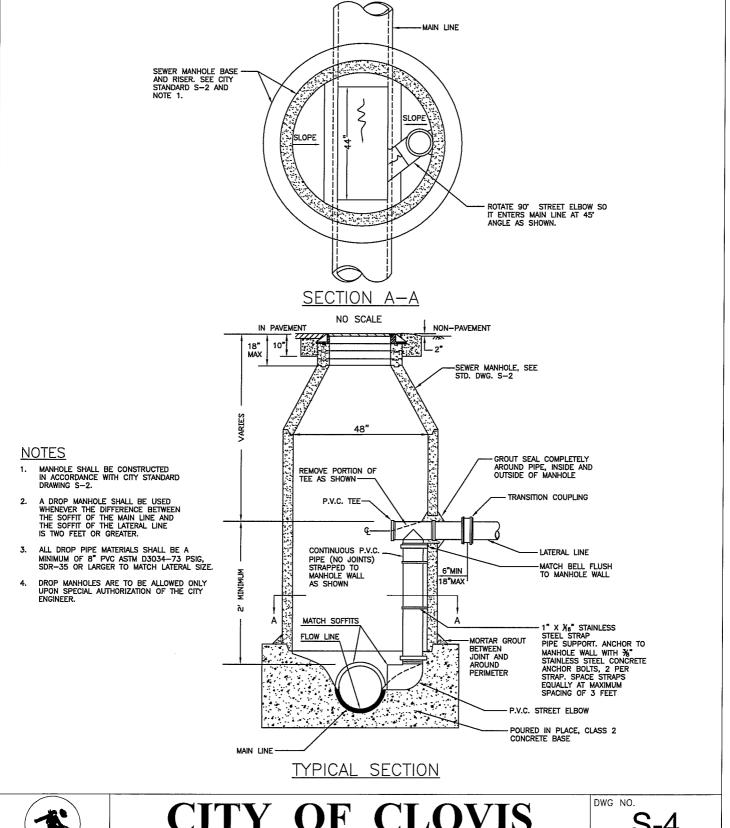
3. FOR MANHOLES WHERE THE MAIN LINE ANGLES, A FLOW TROUGH ALONG A SMOOTH RADIUS THROUGH THE CONCRETE MANHOLE BASE SHALL BE CONSTRUCTED TO FORM A UNIFORM FLOW SECTION OF THE SAME SHAPE AND SIZE OF THE PIPE BELOW THE SPRING LINE.

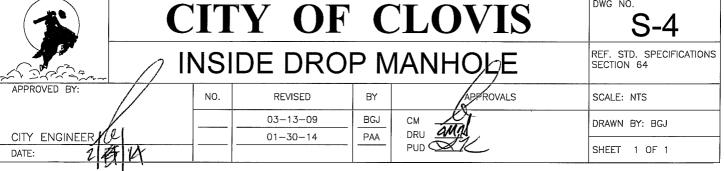




- 1. PRECAST PIPE, GRADE RINGS AND TAPERED SECTIONS SHALL COMPLY WITH A.S.T.M. C-478, TYPE II CEMENT.
- WHEN AN ECCENTRIC TAPERED SECTION IS SPECIFIED, IT SHALL BE SET SUCH THAT THE OPENING IS CENTERED
  TOWARDS THE DOWNSTREAM SIDE OF THE MAIN LINE PIPE WHENEVER POSSIBLE, UNLESS OTHERWISE SHOWN ON
  THE PROJECT PLANS.
- 3. FOR MANHOLES WHERE THE MAIN LINE ANGLES, A FLOW TROUGH, ALONG A SMOOTH RADIUS THROUGH THE CONCRETE MANHOLE BASE, SHALL BE CONSTRUCTED TO FORM A UNIFORM FLOW SECTION OF THE SAME SHAPE AND SIZE OF THE PIPE BELOW THE SPRING LINE.

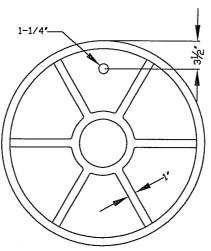
	C		Y OF 60" SEWER		CLOVIS	S-3
	(TYPIÇAL	REF. STD. SPECIFICATIONS SECTION 64				
APPROVED BY:		NO.	REVISED	BY	APPROVALS	SCALE: NTS
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DATE: 4/2	1/09				PUD XX	SHEET 1 OF 1

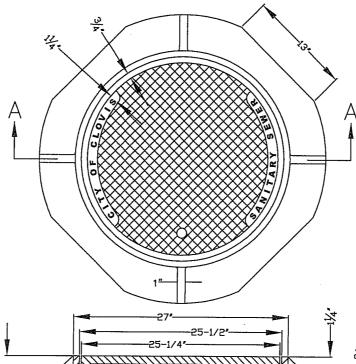






- FRAME AND COVER SHALL BE KEARNEY FOUNDRY PART NO. KP-1000, D&L FOUNDRY PART NO. A-1000, OR APPROVED EQUAL.
- 2. "CITY OF CLOVIS SANITARY SEWER" TO APPEAR ON LID. LETTERS TO BE ¾" HIGH.
- 3. ALL MATERIALS USED IN MFG. SHALL CONFORM TO ASTM 48-30.





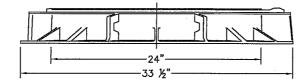
27'
25-1/2'
25-1/4'

23-1/4'

SECTION A-A

	C		Y OF		CLOVIS	S-5
			REF. STD. SPECIFICATIONS SECTION 64			
APPROVED BY:		NO.	REVISED	BY	APPROVALS	SCALE: NTS
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CITY ENGINEER  DATE: 4/2	9/09				PUD	SHEET 1 OF 1

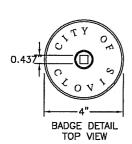
LOCKING MECHANISM

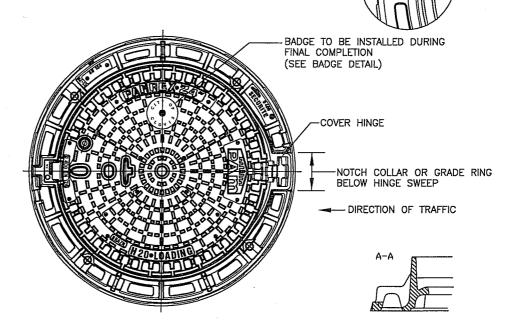


DETAIL A: LIFTING HOLES

FRAME MARKING

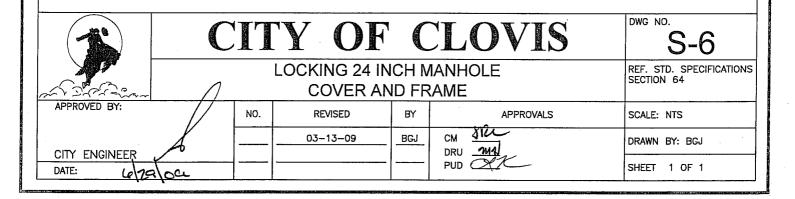


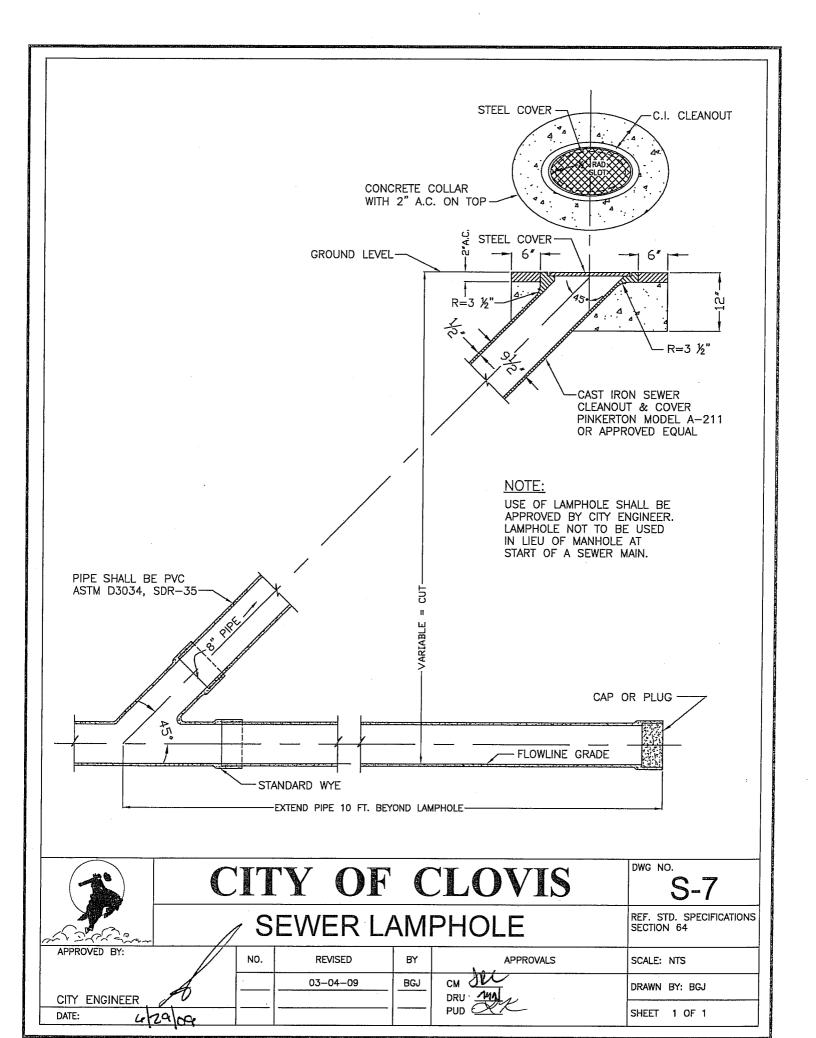


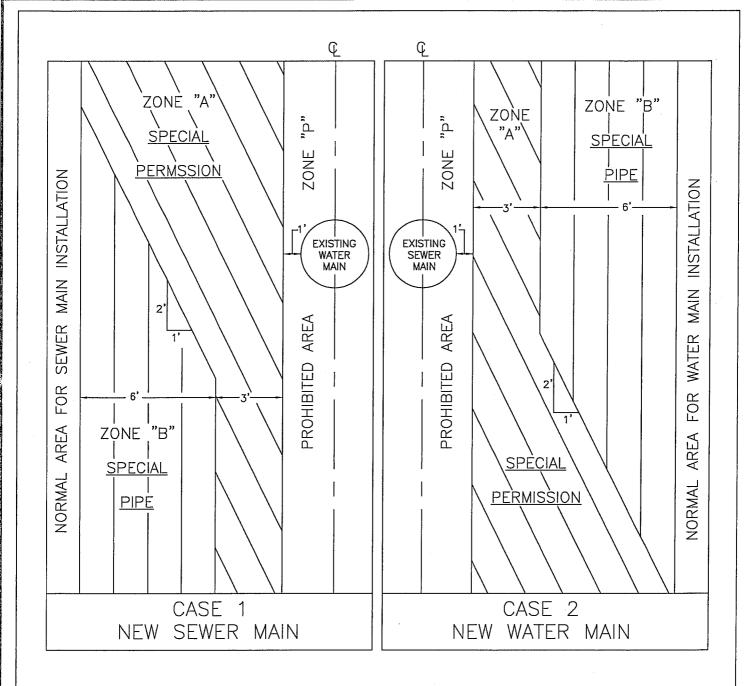


## NOTES:

- 1. MANHOLE COVER AND FRAME SHALL BE CALLED PAMREX RETRO OR APPROVED EQUAL.
- 2. COVER AND FRAME SHALL BE MANUFACTURED FROM DUCTILE IRON.
- 3. COVERS SHALL BE HINGED AND INCORPORATE A 90-DEGREE BLOCKING SYSTEM TO PREVENT ACCIDENTAL CLOSURE AND COMPLETE WITH HINGE INFILTRATION PLUG.
- 4. COVERS SHALL INCLUDE A 4" DIAMETER RECESS WITH 3/8" DIAMETER BOLT KNOCK--OUT THAT IS COMPATIBLE WITH 4" ALMETEK STAINLESS STEEL MARKERS.
- 5. COVERS SHALL BE COMPATIBLE WITH THE PL-101, AND THE PL101-EX STAINLESS STEEL MANHOLE LOCKING SYSTEM AS MANUFACTURED BY CERTAINTEED CORPORATION.
- 6. COVERS SHALL BE ONE MAN OPERABLE USING STANDARD HAND TOOLS, AND THE OT-104 & OTL-103 OPENING TOOLS AS MANUFACTURED BY TITUS CERTAINTEED CORPORATION.
- 7. COVERS SHALL BE CAPABLE OF WITHSTANDING A 120,000 LB, TEST LOAD.
- 8. FRAMES SHALL BE CIRCULAR AND SHALL INCORPORATE A SEATING RING, A DUAL WIPER INFILTRATION PLUG, AND BE AVAILABLE IN A 24 INCH CLEAR OPENING. THE FRAME DEPTH SHALL NOT EXCEED 4 INCHES, AND THE FLANGE SHALL INCORPORATE BEDDING SLOTS AND BOLT HOLES.
- 9. ALL COMPONENTS SHALL BE BLACK COATED.



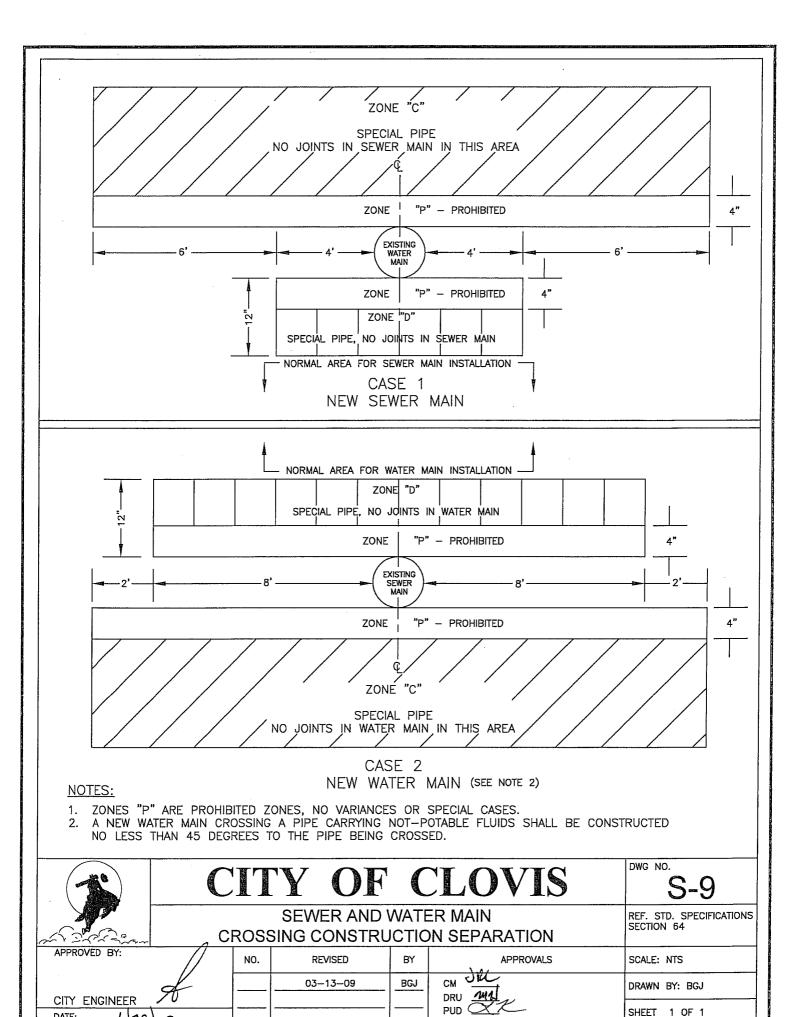


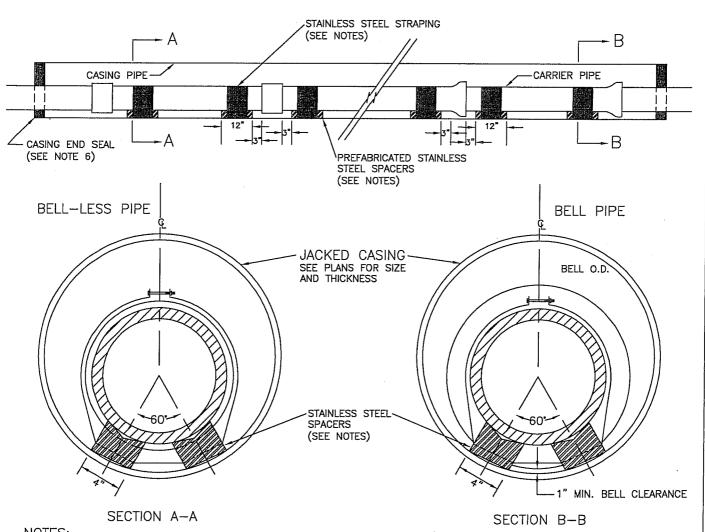


## NOTE:

- 1. ZONES IDENTICAL ON EITHER SIDE OF CENTER LINES.
- 2. ZONES "P" ARE PROHIBITED ZONES, NO VARIANCES OR SPECIAL CASES.
- 3. ZONES A & B ARE TO BE USED ONLY WHEN 10' MINIMUM SEPARATION CANNOT BE ATTAINED.

	Ç		Y OF		CLOVIS	DWG NO.
A STORE STATE	F	PARAL	REF. STD. SPECIFICATIONS SECTION 64			
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## **NOTES:**

- CASING PIPE SHALL BE BUTT WELDED SHEETS, ASTM A-570 COMMERCIAL GRADE OR BUTT WELDED PLATES, ASTM A-283. SIZE AND STRENGTH AS SHOWN ON PLANS.
- 2. CASING SPACERS SHALL BE PREFABRICATED STAINLESS STEEL DESIGNED & MFG. BY PIPELINE SEAL & INSULATOR, INC., HOUSTON, TX., OR APPROVED EQUAL. FOR CARRIER PIPES 24" DIAM. OR LESS, USE PSI MODEL S8G-2; GREATER THAN 24" USE PSI MODEL S12G-2.
- 3. CASING SPACERS SHALL BE SPECIFICALLY DESIGNED AND FABRICATED FOR THE SPECIFIC PROJECT, AND ELECTRICALLY ISOLATE CARRIER PIPE FROM CASING PIPE.
- 4. SPACER BANDS SHALL BE 304 STAINLESS STEEL, 8" WIDE FOR PIPES 24" DIAM. OR LESS, AND 12" WIDE FOR PIPES LESS THAN 42" DIAM.
- 5. SPACER BANDS SHALL BE 3 OR MORE SEGMENT, 12 GA. BANDS TO BE FITTED WITH FLEXIBLE PVC LINER ON INNER SURFACE OF BAND; LINER TO BE 0.09" THICK, HARDNESS OF 85-90 (ASTM D2240, DUROMETER "A"), DIELECTRIC STRENGTH NOT LESS THAN 58,000 VOLTS (ASTM D149). HARDWARE TO BE STAINLESS STEEL.
- 6. CASING ENDS SHALL BE SEALED WITH PIPELINE SEAL & INSULATOR, INC. MODEL "C" OR MODEL "S", OR APPROVED EQUAL. CONCRETE SHALL NOT BE USED UNLESS SPECIFICALLY APPROVED BY THE CITY ENGINEER OR IS SHOWN ON THE PLANS.

	C	II	Y OF		CLOVIS	S-10
		REF. STD. SPECIFICATIONS SECTION 68				
APPROVED BY:	1	NO.	REVISED	BY	APPROVALS	SCALE: NTS
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