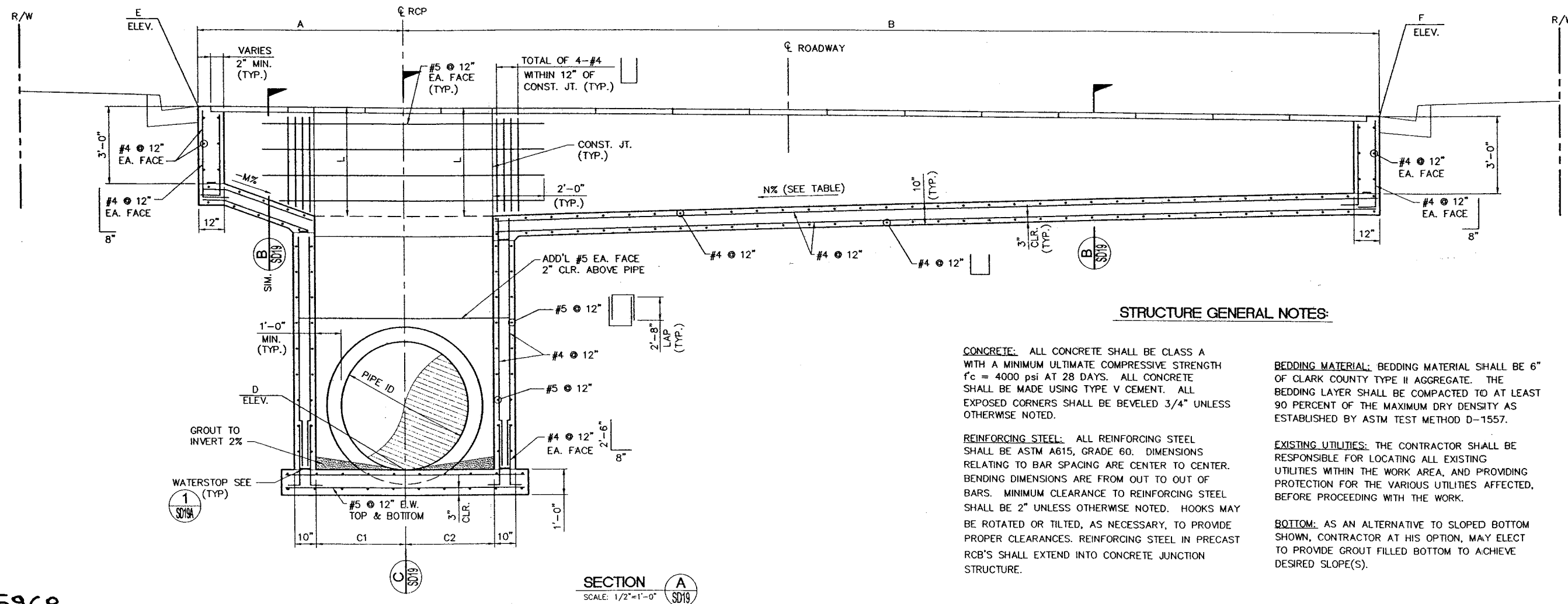


PIPE IN/OUT	LOCATION	A	B	C1	C2	D	E	F	G	H	J	K	L	M	N
42"RCP/42"RCP	HICKAM	11'-2 1/4"	34'-11 3/4"	2'-9"	4'-3"	2335.00	2345.07	2344.95	2335.01	2334.99	18'00'00"	18'00'00"	4'-0"	13.4%	3.4%
36"RCP/48"RCP	RED COACH	16'-10 1/2"	29'-1 1/2"	3'-6"	5'-6"	2341.15	2348.89	2349.10	2343.66	2341.14	35'58'48"	35'58'48"	3'-9"	6.1%	3.3%
54"RCP/60"RCP	BUCKSKIN	8'-0"	38'-6 1/4"	3'-6"	3'-6"	2345.20	2359.37	2359.11	2345.21	2345.19	00'00'00"	00'00'00"	4'-0"	28.6%	2.9%
36"RCP/48"RCP	EXCALIBUR	29'-4"	12'-9 3/4"	2'-9"	3'-3"	2333.80	2342.78	2342.71	2334.99	2333.79	10'00'00"	10'00'00"	3'-9"	2.9%	8.8%



STRUCTURE GENERAL NOTES:

CONCRETE: ALL CONCRETE SHALL BE CLASS A WITH A MINIMUM ULTIMATE COMPRESSIVE STRENGTH $f'_c = 4000$ psi AT 28 DAYS. ALL CONCRETE SHALL BE MADE USING TYPE V CEMENT. ALL EXPOSED CORNERS SHALL BE BEVELED 3/4" UNLESS OTHERWISE NOTED.

REINFORCING STEEL: ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60. DIMENSIONS RELATING TO BAR SPACING ARE CENTER TO CENTER. BENDING DIMENSIONS ARE FROM OUT TO OUT OF BARS. MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 2" UNLESS OTHERWISE NOTED. HOOKS MAY BE ROTATED OR TILTED, AS NECESSARY, TO PROVIDE PROPER CLEARANCES. REINFORCING STEEL IN PRECAST RCB'S SHALL EXTEND INTO CONCRETE JUNCTION STRUCTURE.

BEDDING MATERIAL: BEDDING MATERIAL SHALL BE 6" OF CLARK COUNTY TYPE II AGGREGATE. THE BEDDING LAYER SHALL BE COMPACTED TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY AS ESTABLISHED BY ASTM TEST METHOD D-1557.

EXISTING UTILITIES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES WITHIN THE WORK AREA, AND PROVIDING PROTECTION FOR THE VARIOUS UTILITIES AFFECTED, BEFORE PROCEEDING WITH THE WORK.

BOTTOM: AS AN ALTERNATIVE TO SLOPED BOTTOM SHOWN, CONTRACTOR AT HIS OPTION, MAY ELECT TO PROVIDE GROUT FILLED BOTTOM TO ACHIEVE DESIRED SLOPE(S).

GCW PROJ # 412.405

75968

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**BUFFALO DRIVE
TYPICAL STRUCTURAL SECTION
AT VARIOUS LOCATIONS**

**BUFFALO DRIVE
CHEYENNE TO LONE MOUNTAIN**

SHEET: 1
SCALE: AS NOTED
DRAWN BY: KLT
DESIGNED BY: JSG/RLN
CHECKED BY: BGR/RLN
PROJECT NO: 10747
DATE: 2/10/03

SEAL
BRIAN L. SCHMIDT
CIVIL ENGINEER
No. 10747
2-10-03

SHEET
SD19
49 of 93 SHEETS
DRAWING NO.
107-V3593