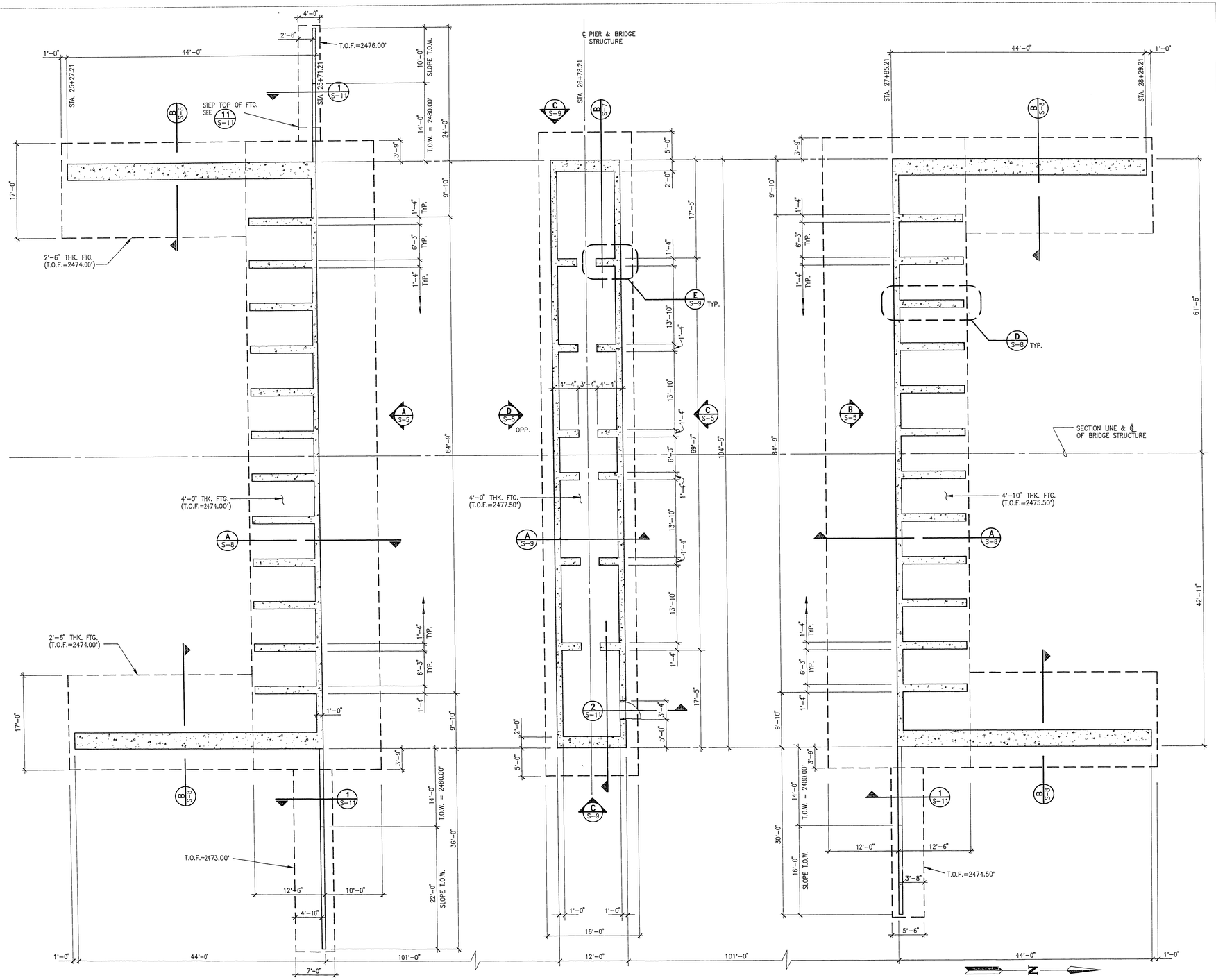

FOUNDATION PLAN

SCALE : 1/8" = 1'-0"

GENERAL NOTES :

1. DESIGN SPECIFICATIONS: AAHSTO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES", THIRTEENTH EDITION, 1983 AND "INTERIM SPECIFICATIONS".
2. CONSTRUCTION SPECIFICATIONS: STATE OF NEVADA DEPARTMENT OF HIGHWAYS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", 1976 EXCEPT AS NOTED IN THE SPECIAL PROVISIONS FOR THIS CONTRACT.
3. CONSTRUCTION TYPE CODE: X081
4. LIVE LOAD: STANDARD HS 20-44.
5. FOUNDATIONS: ABUTMENTS AND CENTER PIER WILL BE SUPPORTED ON SPREAD FOOTINGS DESIGNED FOR A BEARING VALUE OF 8 KSF ON PARTIALLY CEMENTED SOILS AND 12 KSF ON CEMENTED SOILS.
6. CONCRETE:

FOOTINGS	CLASS AA	MOD.	4,000 P.S.I.
WALLS	CLASS AA	MOD.	4,000 P.S.I.
SLABS AND DECK	CLASS DA	MOD.	4,500 P.S.I.
PEDESTRIAN RAIL	CLASS D	MOD.	3,000 P.S.I.
TRAFFIC BARRIER	CLASS AA	MOD.	3,000 P.S.I.
PRESTRESSED PLANK	CLASS PAA	MOD.	5,000 P.S.I.
GIRDERS	CLASS PAA	MOD.	6,000 P.S.I.

ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4" U.N.O.

7. REINFORCING STEEL: ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE. DIMENSIONS RELATING TO BAR SPACING ARE CENTER TO CENTER. BENDING DIMENSIONS SHOWN ARE FROM OUT TO OUT. THE MINIMUM CLEARANCE, MEASURED FROM THE FACE OF THE CONCRETE TO THE SURFACE OF ANY REINFORCING BAR SHALL BE 2", EXCEPT WHERE OTHERWISE NOTED.
8. AASHTO GIRDERS: SEE NOTES ON SHEET S-6.
9. STEEL PLATE AND ANGLES: ALL STEEL PLATE AND ANGLES SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE.
10. FINE SURFACE FINISH: EXPOSED CONCRETE SURFACES, EXCEPT EXPOSED AGGREGATE SURFACES AND TOP SURFACE OF DECK SLAB, SHALL BE FINE SURFACE FINISHED. ALL SURFACES IN CONTACT WITH THE GROUND SHALL BE FINE SURFACE FINISHED TO A POINT 1'-0" BELOW THE FINISHED GROUND LINE. THE COLOR OF THE FINE SURFACE FINISH SHALL CONFORM TO FEDERAL COLOR NO. 37875 AS SHOWN IN TABLE IX OF FEDERAL STANDARD NO. 595a.
11. EXPOSED AGGREGATE FINISH: EXPOSED AGGREGATE CONCRETE SURFACES SHALL BE SEALED FOR A GLOSSY FINISH (BURKE AGGREGLAZE, OR EQUAL), AND APPLIED IN ACCORDANCE w/MFGR'S. RECCOMENDATIONS.
12. UTILITIES: FOR LOCATION AND DETAILS OF ELECTRICAL CONDUIT IN THE BRIDGE, SEE ELECTRICAL DRAWINGS. ALL CONDUITS WITHIN EXTENTS OF BRIDGE STRUCTURE SHALL BE RGS UNLESS NOTED OTHERWISE.

ESTIMATE of QUANTITIES :

QUANTITIES SHOWN ARE APPROXIMATE ONLY AND ARE SUBJECT TO INCREASE OR DECREASE TO BE CONTRACTED

ITEM	QUANTITY	UNIT
EXCAVATION (SHORT HALL)		
SAND & GRAVEL	1549	C.Y.
CEMENTED SAND AND GRAVEL	665	C.Y.
BACKFILL	907	C.Y.
CONCRETE, FOOTINGS	1357	C.Y.
CONCRETE, WALLS		
VERTICAL - FINISHED ONE SIDE	618	C.Y.
BATTERED - FINISHED ONE SIDE	674	C.Y.
INTERIOR - NO FINISHING	478	C.Y.
WALL FINISHES		
EXPOSED AGGREGATE	282	S.Y.
PAINTING	6718	S.Y.
FORM LINERS	874	S.Y.
CONCRETE, C.I.P. BEAMS & BRIDGING	132	C.Y.
AASHTO GIRDERS	2464	L.F.
BEARING PADS	56	EA.
3" PRECAST DECK SLABS	17,117	S.F.
BRIDGE DECK SLAB	370	C.Y.
APPROACH SLAB	158	C.Y.
CONCRETE SIDEWALKS	35	C.Y.
CONCRETE TRAFFIC BARRIER	45	C.Y.
CONCRETE PEDESTRIAN BARRIER	27	C.Y.
REINFORCING	259	TON
BRIDGE DECK JOINTS	482	L.F.
PEDESTRIAN RAIL TYPE "M"	300	L.F.

GB&I CONSULTING ENGINEERS
3650 S. EASTERN AVE. • SUITE 220 • LAS VEGAS, NEVADA 89109
CONSULTANT

DESIGNED BY	JOB NO.	89072	KEY	DATE	DESCRIPTION
GAB				1-9-92	RELEASED FOR BIDDING
DRAWN BY			1	3-16-92	ADDENDUM 1
KEP					
CHECKED BY					
GAB					
DATE					
12/23/91					

3-26-92

FOUNDATION PLAN
BUFFALO INTERCHANGE
with SUMMERLIN PARKWAY
and BUFFALO DRIVE ROADWAY BETWEEN WESTCLIFF AND WASHINGTON
CITY of LAS VEGAS, NEVADA

SHEET NUMBER S-2 OF 14

89072.S02 PLOTTED BY: KHO DATE: 03/23/92 TIME: 09:06 SCALE FACTOR: 1=96

107-V1753