

**PAUL STEELMAN LTD**  
ARCHITECTURE PLANNING  
3330 W. DESERT INN RD.  
LAS VEGAS, NEVADA 89102  
PHONE 702-571-0221  
FAX 702-357-3565

**MARTIN & MARTIN**

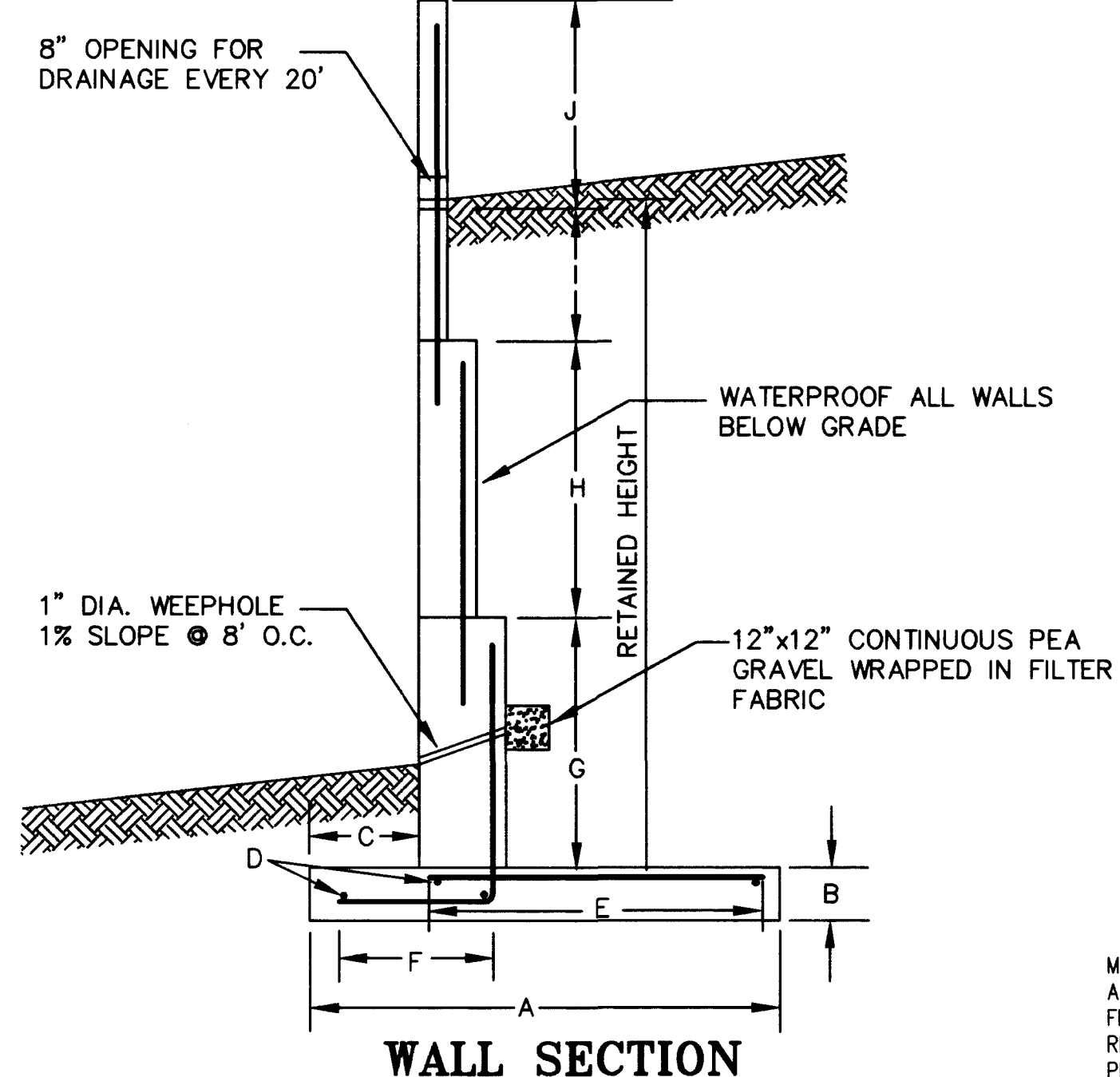
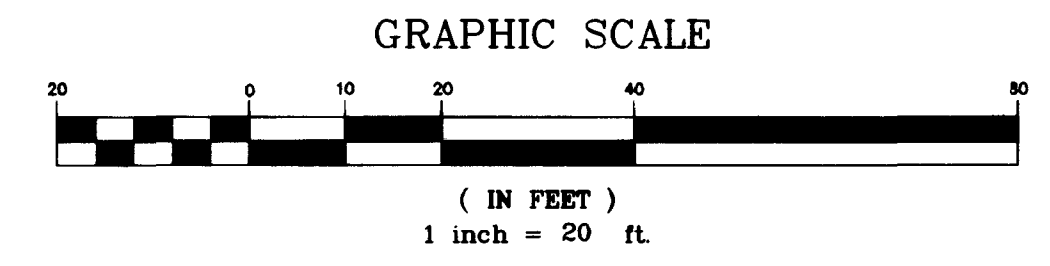
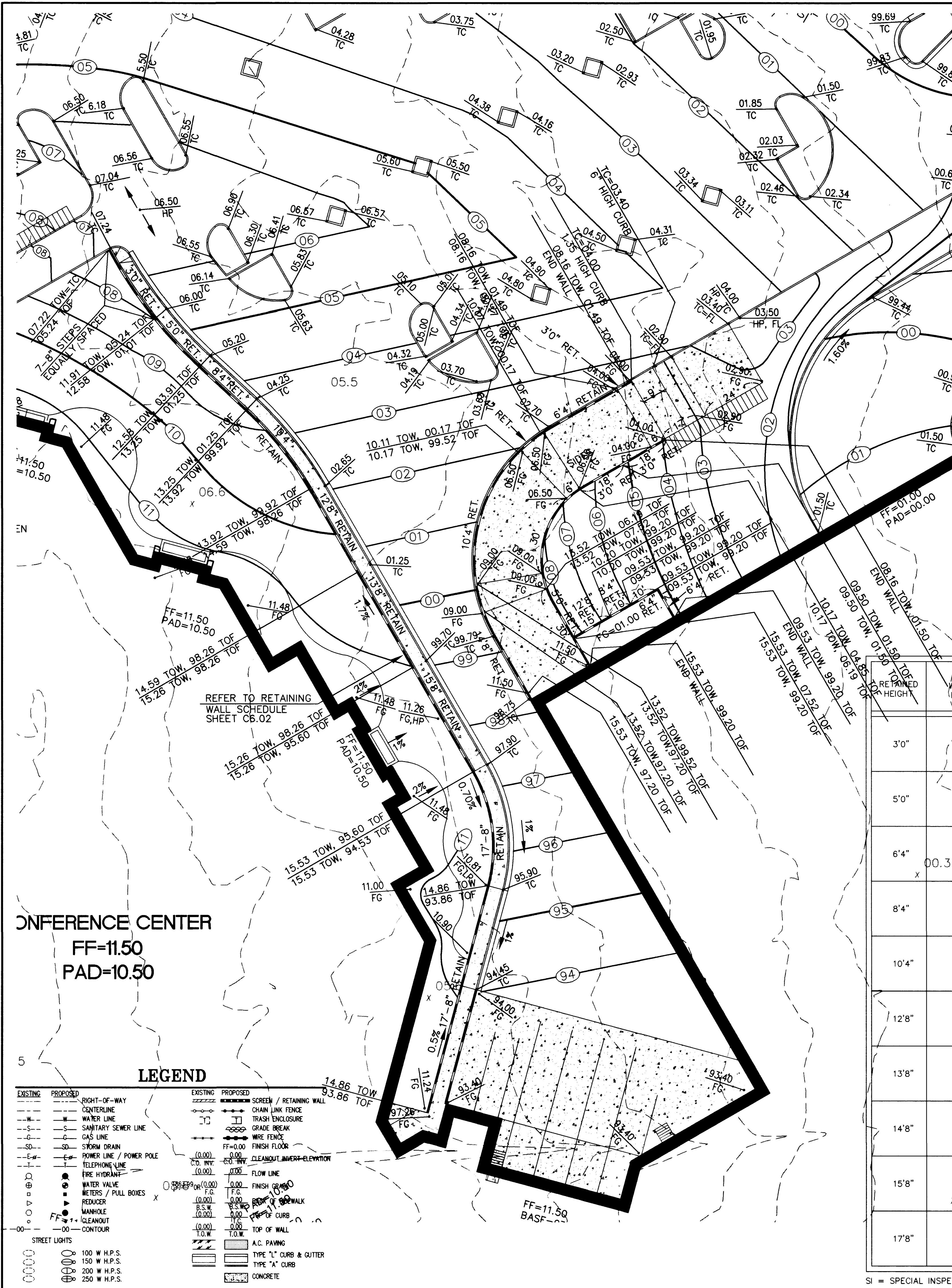
MARTIN & MARTIN  
CIVIL ENGINEERS  
1909 SOUTH JONES BLVD.  
SUITE B  
LAS VEGAS, NEVADA 89102  
PHONE (702) 248-8000

**THE RESORT AT SUMMERLIN**  
HOTEL, CASINO & ENTERTAINMENT COMPLEX  
GARDENING AND LANDSCAPE ARCHITECTURE  
LAS VEGAS, NEVADA  
PROPERTY OF THE ARCHITECT, THE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT OR ENGINEER IMMEDIATELY.  
REVISION POWER OVERHEAD AND SAFETY SERVICES DEPARTMENT

DATE: 2-11-98  
SCALE: 1"=30'  
JOB NO.: 1570  
REVISION: (SEE MARTIN) 2-11-98

**RETAINING WALL PLAN**

SHEET NUMBER  
**C6.02**  
SHEET 31 OF 32  
REVISION  
ISSUED FOR  
CONTRACT  
BULLETIN #8  
2-11-98



**BASIS OF BEARING**  
NORTH 01°53'54\"/>

**BENCHMARK**  
OLV00 305EE6, BEING A RIVET AND PLATE, NEVADA  
POWER VAULT #JUJ-795, 9201, SUMMERLIN PARKWAY.  
ELEV: 828.1527 METERS NAVD88 (2717.03 FEET)

NOTE: ALL RETAINING WALLS SHALL RECEIVE A STUCCO FINISH IDENTICAL TO BUILDINGS AND A CAP AS DETERMINED BY THE ARCHITECT.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.  
Call before you Dig- 1-800-227-2600  
UNDERGROUND SERVICE ALERT (U.S.A.)

AVOID OVERHEAD POWER LINE CONTACT  
Call before you OVERHEAD 1-702-593-6111  
NEVADA POWER OVERHEAD AND SAFETY SERVICES DEPARTMENT

MARTIN & MARTIN ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT OR ENGINEER IMMEDIATELY.

**RETAINING WALL SCHEDULE - LOADING DOCK**

RETAINED HEIGHT	A WIDTH OF FOOTING	B DEPTH OF FOOTING	C WIDTH OF TOE	D FOOTING REINFORCEMENT (LONGITUDINAL)	E FOOTING REINFORCEMENT (HEEL-TOP)	F HOOK BAR REINFORCEMENT (TOE-BOTTOM)	G STEM WALL DETAIL	H STEM WALL DETAIL	I STEM WALL DETAIL	J STEM WALL DETAIL
3'0"	3'0"	1'0"	1'0"	3#4 CONTINUOUS	N/A	#4 @ 24" 8" LONG	1'4" 8" CMU #4@24" VERT. @ CL #4 @ 24" HORIZ. SOLID GROUT, SI	5'4" 8" CMU #4@48" VERT. @ CL #4 @ 24" HORIZ.	N/A	N/A
5'0"	3'6"	1'0"	1'0"	3#4 CONTINUOUS	N/A	#4 @ 16" 8" LONG	3'4" 8" CMU #4@16" VERT. @ CL #4 @ 24" HORIZ. SOLID GROUT, SI	5'4" 8" CMU #4@48" VERT. @ CL #4 @ 24" HORIZ.	N/A	N/A
6'4"	4'6"	1'0"	1'0"	4#4 CONTINUOUS	#4 @ 16" 3'7" LONG	#7 @ 8" 14" LONG	2'0" 8" CMU #7@8" VERT. @ CL #4 @ 24" HORIZ. SOLID GROUT, SI	2'8" 8" CMU #4@16" VERT. @ CL #4 @ 24" HORIZ. SOLID GROUT, SI	5'4" 8" CMU #4@48" VERT. @ CL #4 @ 24" HORIZ.	N/A
8'4"	5'6"	1'0"	1'0"	4#5 CONTINUOUS	#6 @ 16" 4'3" LONG	#7 @ 8" 14" LONG	2'0" 12" CMU #7@8" VERT. @ CL #4 @ 24" HORIZ. SOLID GROUT, SI	4'8" 8" CMU #7@16" VERT. @ CL #4 @ 24" HORIZ. SOLID GROUT, SI	5'4" 8" CMU #4@48" VERT. @ CL #4 @ 24" HORIZ.	N/A
10'4"	6'0"	1'6"	1'0"	5#5 CONTINUOUS	#7 @ 16" 4'9" LONG	#8 @ 8" 16" LONG	4'0" 12" CMU #8@8" VERT. @ CL #4 @ 24" HORIZ. SOLID GROUT, SI	4'8" 8" CMU #7@16" VERT. @ CL #4 @ 24" HORIZ. SOLID GROUT, SI	5'4" 8" CMU #4@48" VERT. @ CL #4 @ 24" HORIZ.	N/A
12'8"	8'0"	1'6"	1'6"	7#5 CONTINUOUS	#7 @ 16" 6'3" LONG	#7 @ 8" 14" LONG	3'0" 18" CONCRETE #7@8" VERT. @ CL #5 @ 18" HORIZ.	3'4" 12" CMU #7@16" VERT. @ CL #4 @ 24" HORIZ. SOLID GROUT, SI	4'8" 8" CMU #7@16" VERT. @ CL #4 @ 24" HORIZ. SOLID GROUT, SI	5'4" 8" CMU #4@48" VERT. @ CL #4 @ 24" HORIZ.
13'8"	9'0"	1'6"	1'6"	8#5 CONTINUOUS	#5 @ 8" 6'9" LONG	#7 @ 8" 14" LONG	4'4" 18" CONCRETE #7@8" VERT. @ CL #5 @ 18" HORIZ.	3'4" 12" CMU #7@16" VERT. @ CL #4 @ 24" HORIZ. SOLID GROUT, SI	4'0" 8" CMU #7@16" VERT. @ CL #4 @ 24" HORIZ. SOLID GROUT, SI	5'4" 8" CMU #4@48" VERT. @ CL #4 @ 24" HORIZ.
14'8"	9'6"	1'6"	1'6"	8#5 CONTINUOUS	#6 @ 8" 7'3" LONG	#7 @ 8" 14" LONG	5'0" 18" CONCRETE #7@8" VERT. @ CL #5 @ 18" HORIZ.	3'4" 12" CMU #7@16" VERT. @ CL #4 @ 24" HORIZ. SOLID GROUT, SI	4'8" 8" CMU #7@16" VERT. @ CL #4 @ 24" HORIZ. SOLID GROUT, SI	5'4" 8" CMU #4@48" VERT. @ CL #4 @ 24" HORIZ.
15'8"	10'0"	1'6"	1'6"	9#5 CONTINUOUS	#7 @ 8" 7'9" LONG	#7 @ 8" 14" LONG	6'4" 18" CONCRETE #7@8" VERT. @ CL #5 @ 18" HORIZ.	3'4" 12" CMU #7@16" VERT. @ CL #4 @ 24" HORIZ. SOLID GROUT, SI	4'8" 8" CMU #7@16" VERT. @ CL #4 @ 24" HORIZ. SOLID GROUT, SI	5'4" 8" CMU #4@48" VERT. @ CL #4 @ 24" HORIZ.
17'8"	11'6"	2'6"	1'6"	9#7 CONTINUOUS	#8 @ 8" 8'9" LONG	#7 @ 8" 14" LONG	9'0" 24" CONCRETE #7@8" VERT. @ CL #5 @ 18" HORIZ.	3'4" 12" CMU #7@16" VERT. @ CL #4 @ 24" HORIZ. SOLID GROUT, SI	4'0" 8" CMU #7@16" VERT. @ CL #4 @ 24" HORIZ. SOLID GROUT, SI	4'8" 8" CMU #4@48" VERT. @ CL #4 @ 24" HORIZ.

SI = SPECIAL INSPECTION

**CONFERENCE CENTER**  
FF=11.50  
PAD=10.50

**LEGEND**

EXISTING	PROPOSED	EXISTING	PROPOSED
RIGHT-OF-WAY CENTERLINE	CHAIN LINK FENCE	SCREEN / RETAINING WALL	TRASH ENCLOSURE
WATER LINE	GRADE BREAK	WIRE FENCE	FINISH FLOOR
SANITARY SEWER LINE	WIRE FENCE	FINISH FLOOR	CLEANOUT INVERT-ELEVATION
GAS LINE	FINISH FLOOR	CLEANOUT INVERT-ELEVATION	FLOW LINE
STORM DRAIN	FINISH FLOOR	FINISH FLOOR	FINISH GRADE
POWER LINE / POWER POLE	FINISH FLOOR	FINISH GRADE	TYPE "L" CURB & GUTTER
TELEPHONE LINE	FINISH FLOOR	FINISH GRADE	TYPE "A" CURB
FIRE HYDRANT	FINISH FLOOR	FINISH GRADE	CONCRETE
WATER VALVE	FINISH FLOOR	FINISH GRADE	
REDUCER	FINISH FLOOR	FINISH GRADE	
MANHOLE	FINISH FLOOR	FINISH GRADE	
CLEANOUT	FINISH FLOOR	FINISH GRADE	
STREET LIGHTS	FINISH FLOOR	FINISH GRADE	
100 W.H.P.S.	FINISH FLOOR	FINISH GRADE	
150 W.H.P.S.	FINISH FLOOR	FINISH GRADE	
200 W.H.P.S.	FINISH FLOOR	FINISH GRADE	
250 W.H.P.S.	FINISH FLOOR	FINISH GRADE	

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