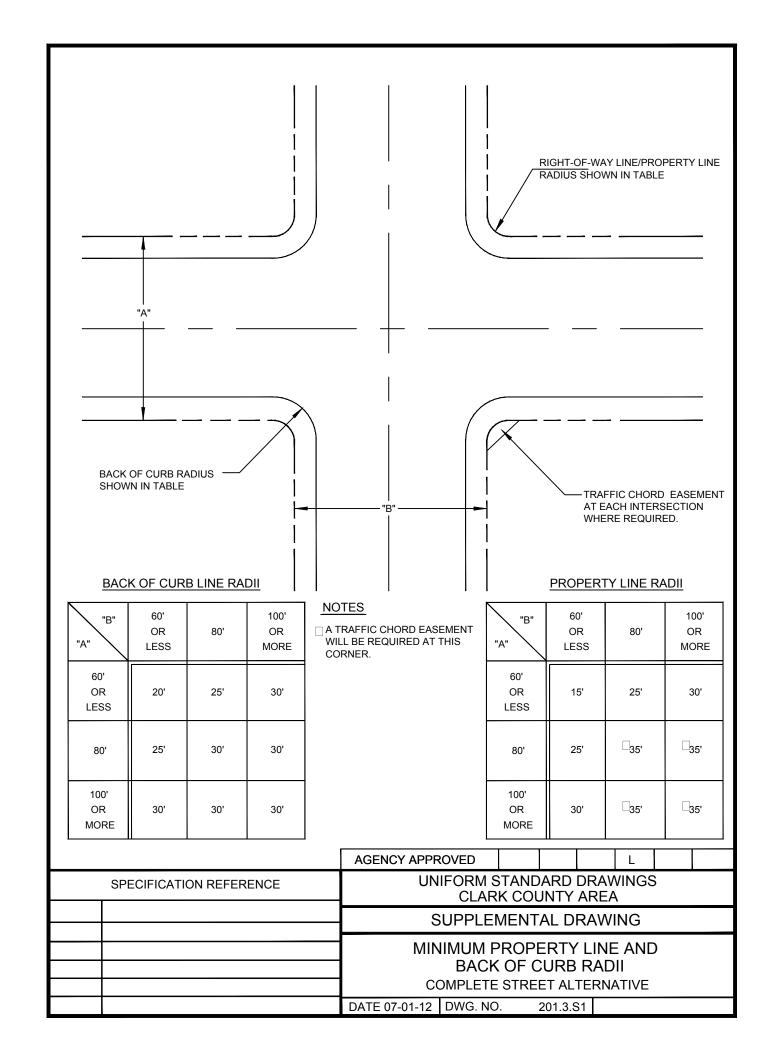
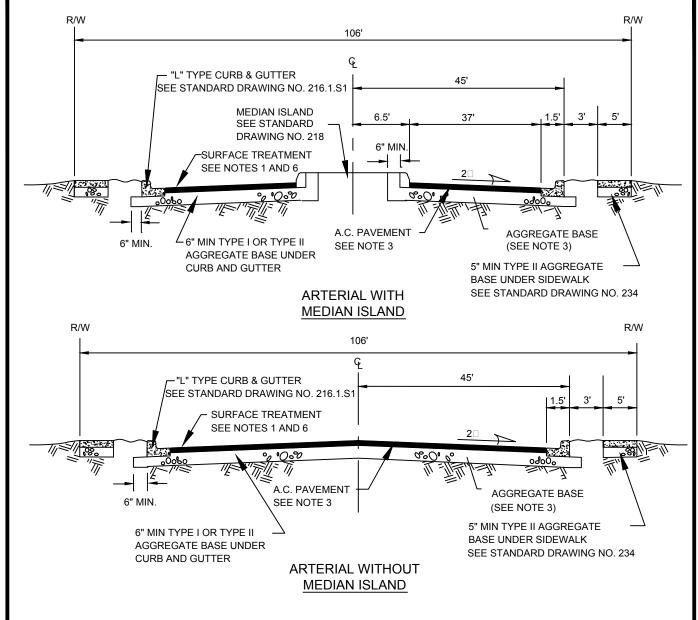
# UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA, NEVADA

### **YEAR 2012 REVISIONS**

DRAWING #	TITLE AND REVISION SUMMARY	EFFECTIVE DATE
201.3.51	"Minimum Property Line and Back of Curb Radii - Complete Street Alternative" - New drawing for street cross section for the City of Las Vegas as part of their complete streets initiative.	07/01/12
203.1.S1	"Primary Arterial - Complete Street Alternative" - New drawing for street cross section for the City of Las Vegas as part of their complete streets initiative.	07/01/12
205.2.S1	"Major Collector - Complete Street Alternative" - New drawing for street cross section for the City of Las Vegas as part of their complete streets initiative.	07/01/12
205.3.S1	"Minor Collector - Complete Street Alternative" - New drawing for street cross section for the City of Las Vegas as part of their complete streets initiative.	07/01/12
206.1.51	"Local Residential - Complete Street Alternatives" - New drawing for street cross section for the City of Las Vegas as part of their complete streets initiative.	07/01/12
216.1.51	""L" Type Curb and Gutter - Complete Street Alternative" - New drawing for street cross section for the City of Las Vegas as part of their complete streets initiative.	07/01/12
244.6.51	"Typical Delineation for Roadways - Complete Street Alternative" - New drawing for street cross section for the City of Las Vegas as part of their complete streets initiative.	07/01/12
244.9	"Bicycle Lane Delineation, Legend, and Signage" - Revisions to update types of sign sheeting materials, signs and pavement markings to reflect current industry standards.	07/01/12
250	"Street Name Signs Face Copy" - Revisions to update types of sign sheeting materials, signs and pavement markings to reflect current industry standards.	07/01/12
411.1	"Modified Type "A" Inlet" - Administrative correction to change gutter lip transition from 6 inches to 6 feet and "lip of curb" to "lip of gutter.	07/01/12
500.4	"Over 5 Years Pavement Restoration Longitudinal Cut - 60' R/W or Less" - Revision to change pavement removal limits from half-street width to lane width.	01/01/12
503	"Method B for Rigid and Flexible Pipe Trench Backfill - Paved Areas" - Revision to modify the material and compaction requirements for trenches.	01/01/12
503.1	"Method A for Flexible Pipe Trench Backfill - Paved Areas" - Revision to modify the material and compaction requirements for trenches.	01/01/12

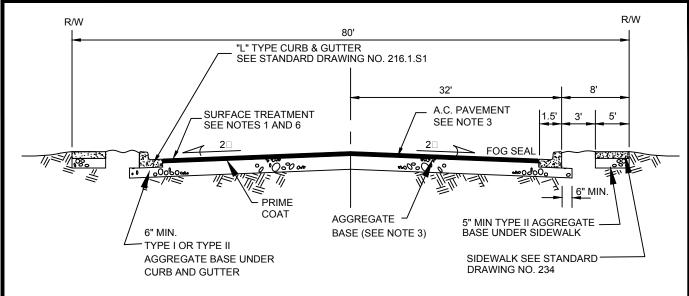
503.2	"Method A for Rigid Pipe Trench Backfill - Paved Areas" - Revision to modify the material and compaction requirements for trenches.	01/01/12
506	"Utility Pothole Repair" - To allow "Farmed" keyhole plugs and allow keyhole repair as an optional method for roadways with right-of-way widths of 60 feet or less.	01/01/12
627	"Typical Application for Standard for "Double Penalties" - Signs for Use in Temporary Traffic Control Zones" - Revisions to clarify the design and typical sign placement to conform with MUTCD and NRS 484B.130.	07/01/12



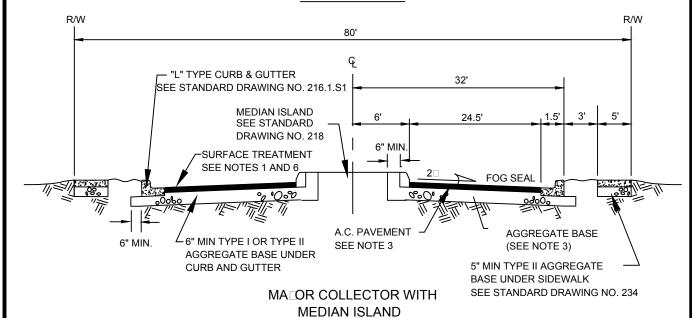


- 1. FINAL A.C. PAVEMENT SURFACE (INCLUDING UTACS OR OPEN GRADE) SHALL BE 3/4" MAXIMUM ABOVE LIP OF GUTTER. PAVEMENT SHALL BE FLUSH WITH LIP AT SIDEWALK RAMPS.
- 2. DENSE GRADE SHALL BE FLUSH WITH LIP OF GUTTER.
- STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 401 AND STANDARD DRAWING NO. 200.
- 4. THIS STANDARD IS AN ALTERNATE STREET SECTION TO BE USED AT LOCATIONS DETERMINED BY EACH LOCAL □URISDICITON. NO ABOVE GROUND OB□ECTS SHALL BE PLACED WITHIN THE 5 FOOT SIDEWALK.
- 5. UNDERGROUND DRY UTILITIES SHALL BE PLACED IN A UTILITY CORRIDOR UNDER THE SIDEWALK.
- 6. OVERLAY 1" UTACS UNLESS OTHERWISE REQUIRED BY THE ENTITY.

		AGENCY APPR	OVED				L		
	SPECIFICATION REFERENCE	UN	IFORM S CLARI					<b>3</b>	
302	AGGREGATE BASE	SUPPLEMENTAL DRAWING							
401	BITUMINOUS PAVEMENT	OOI I ELIVIENTAL DIVAVVING							
403	OPEN GRADE	PRIMARY ARTERIAL							
501	CONCRETE								
		COMPLETE STREET ALTERNATIVE							
		DATE 07-01/12	DWG. NO.	. 203	3.1.S1		·		

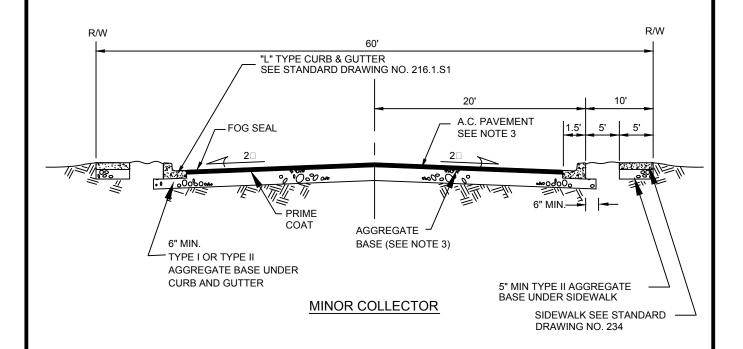


### MA OR COLLECTOR WITHOUT MEDIAN ISLAND



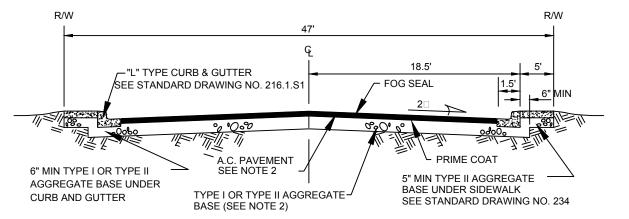
- 1. A.C. PAVEMENT TO BE 1/2" MAXIMUM ABOVE LIP OF GUTTER AFTER COMPACTION. PAVEMENT SHALL BE FLUSH WITH LIP AT SIDEWALK RAMPS.
- 2. THE GRADE BREAK OCCURING IN THE CROSS SECTION SHALL FALL BETWEEN DRIVING LANES.
- 3. STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 401 AND STANDARD DRAWING NOS. 200 AND 200.1.
- 4. THIS STANDARD IS AN ALTERNATE STREET SECTION TO BE USED AT LOCATIONS DETERMINED BY EACH LOCAL CURISDICITON. NO ABOVE GROUND OBJECTS SHALL BE PLACED WITHIN THE 5 FOOT SIDEWALK.
- 5. UNDERGROUND DRY UTILITIES SHOULD BE PLACED IN A UTILITY CORRIDOR UNDER THE SIDEWALK.
- 6. OVERLAY 1" UTACS UNLESS OTHERWISE REQUIRED BY THE ENTITY.

		AGENCY APPR	OVED				L		
	SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS  CLARK COUNTY AREA							
302	AGGREGATE BASE	SUPPLEMENTAL DRAWING							
401	BITUMINOUS PAVEMENT	- JOHN LEWENTAL DIVAVINO							
406	PRIME COAT	MACOR COLLECTOR							
407	FOG SEAL								
501	CONCRETE	COMPLETE STREET ALTERNATIVE							
		DATE 07-01/12	DWG. NO	. 205	.2.S1				

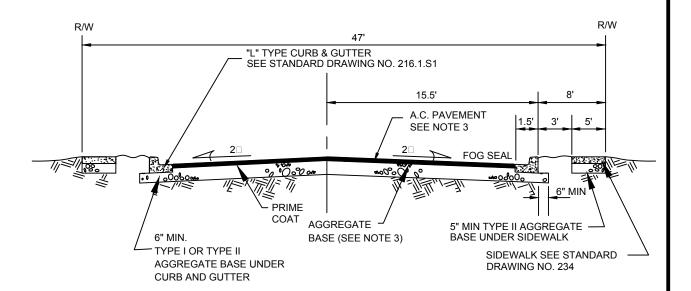


- 1. A.C. PAVEMENT TO BE 1/2" MAXIMUM ABOVE LIP OF GUTTER AFTER COMPACTION. PAVEMENT SHALL BE FLUSH WITH LIP AT SIDEWALK RAMPS.
- 2. THE GRADE BREAK OCCURING IN THE CROSS SECTION SHALL FALL BETWEEN DRIVING LANES.
- 3. STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 401 AND STANDARD DRAWING NOS. 200 AND 200.1.
- 4. THIS STANDARD IS COMPLETE STREET ALTERNATE STREET SECTION TO BE USED AT LOCATIONS DETERMINED BY EACH LOCAL DURISDICITON. NO ABOVE GROUND OBJECTS SHALL BE PLACED WITHIN THE 5 FOOT SIDEWALK.
- 5. UNDERGROUND DRY UTILITIES SHALL BE PLACED IN A UTILITY CORRIDOR UNDER THE SIDEWALK.

		AGENCY APPR	OVED				L		
	SPECIFICATION REFERENCE	UN	IFORM S CLAR					3	
302	AGGREGATE BASE	SUPPLEMENTAL DRAWING							
401	BITUMINOUS PAVEMENT	- SOLL ELIMENTAL DIVAVIINO							
406	PRIME COAT		MINO	R CC	LLE	CTOF	₹		
407	FOG SEAL								
501	CONCRETE	COMPLETE STREET ALTERNATIVE							
		DATE 07-01-12	DWG. NO	. 205	.3.S1				



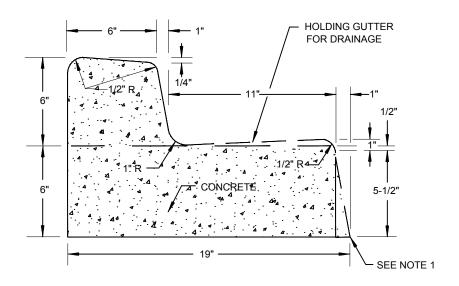
## RESIDENTIAL TWO-WAY LOCAL OR CUL-DE-SAC (LOTS 40' WIDE OR LESS)

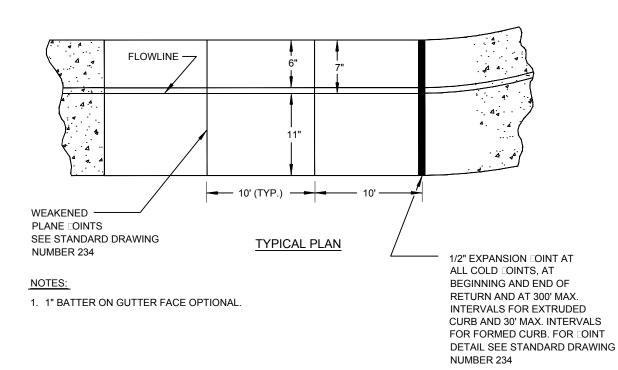


### RESIDENTIAL TWO-WAY LOCAL OR CUL-DE-SAC (LOTS GREATER THAN 40' WIDE - SEE NOTE 3)

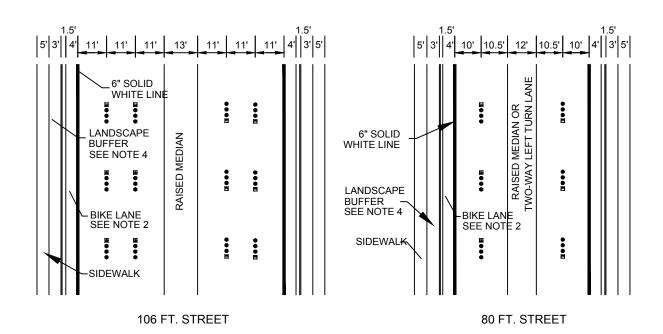
- 1. FINAL A.C. PAVEMENT SURFACE SHALL BE 1/4" MAXIMUM ABOVE LIP OF GUTTER. PAVEMENT SHALL BE FLUSH WITH LIP AT SIDEWALK RAMPS.
- STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 401 AND STANDARD DRAWING NO. 200.1.
- 3. HOMES AD ACENT TO THIS STREET SECTION MAY REQUIRE SPRINKLERS PER ENTITY FIRE CODE.

		AGENCY APPR	OVED				L		
	SPECIFICATION REFERENCE	UN	IFORM S CLAR					3	
302	AGGREGATE BASE	SUPPLEMENTAL DRAWING							
401	BITUMINOUS PAVEMENT	OOI I ELIMENTAL DIVAVIINO							
406	PRIME COAT	LOCAL RESIDENTIAL							
407	FOG SEAL	1							
501	CONCRETE	COMPLETE STREET ALTERNATIVES							
		DATE 07-01-12	DWG. NO	. 20	6.1.S1				



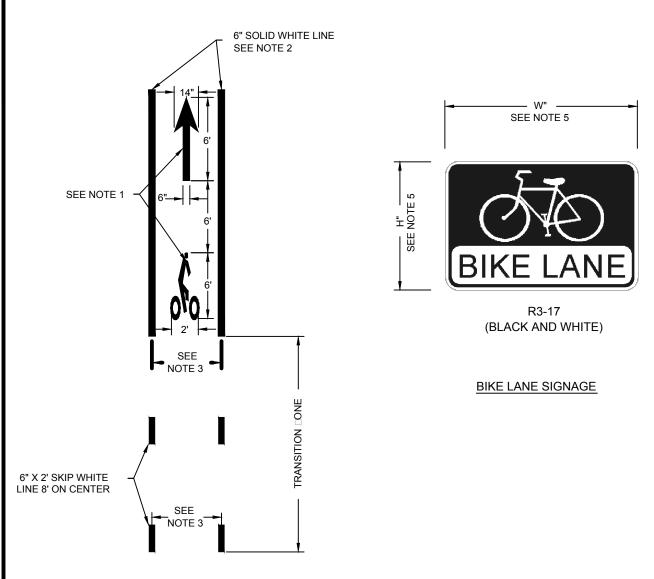


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	SPECIFICATION REFERENCE	UN	IFORM S CLAR					3	
302	AGGREGATE BASE COURSE	SUPPLEMENTAL DRAWING							
501	CONCRETE	- COLLECTIVE BLAKWING							
707	COINT MATERIAL	"L" TYPE CURB AND GUTTER							
		COMPLETE STREET ALTERNATIVE							
		DATE 07-01-12	DWG. NO		216.1.5	31			



- 1. LANE LINE DELINEATION SHALL COMPLY WITH STANDARD DRAWING NO. 244 & 244.1.
- 2. BIKE LANES TO BE PROVIDED IF SEGMENT CONNECTS TO OTHER BIKE LANES OR IF ROADWAY SEGMENT IS 1 MILE OR GREATER. IF BIKE LANE IS NOT PROVIDED, TRAVEL LANES SHOULD REMAIN AT DIMENSIONS SHOWN SO A BICYCLE LANE COULD BE PROVIDED IN THE FUTURE. SEE DRAWING NUMBER 246.1 FOR BIKE LANE SIGNING AND STRIPING DETAILS.
- 3. ALL CURB LANES ARE MEASURED TO LIP OF GUTTER OR EDGE OF PAVEMENT IF CURB AND GUTTER DO NOT EXIST.
- 4. CONTACT THE LOCAL | URISDICTIONAL FOR DEVELOPMENT REQUIREMENTS FOR THE AREA BETWEEN THE CURB AND SIDEWALK

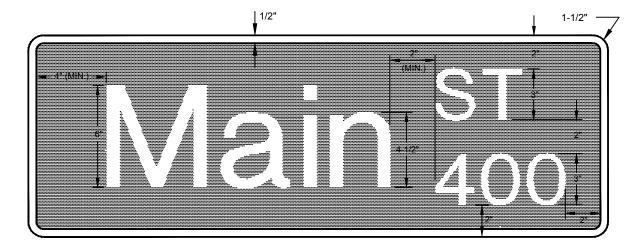
		AGENCY APPR	OVED				L			
	SPECIFICATION REFERENCE	UN	IFORM S CLAR					3		
628	PAINTING TRAFFIC STRIPING	SUPPLEMENTAL DRAWING								
633	PAVEMENT MARKERS	- JOHN ELIMENTAL DIVAVINO								
		TYPICAL	. DELINI	EATIC	ON FO	OR R	OAD	NAYS	S	
		1								
		COMPLETE STREET ALTERNATIVE								
		DATE 07-01-12	DWG. NO	. 244	.6.S1					



#### BIKE LANE DELINEATION AND LEGEND

- 1. BIKE LANE LEGENDS SHALL BE APPROVED TYPE I PAVEMENT MARKING FILM AND SHALL BE SLIP RESISTANT.
- 2. BIKE LANE LINES SHALL BE APPROVED TYPE II PAVEMENT MARKING FILM AND SHALL BE SLIP RESISTANT.
- 3. BIKE LANES MUST BE A MINIMUM OF 5 FEET WHEN AD ACENT TO A PARKING LANE, 4 FEET MINIMUM IN OTHER CASES AND NO GREATER THAN 8 FT WIDE HOWEVER A WIDTH OF 5 FEET IS PREFERRED.
- ${\tt 4.} \ \ {\tt BICYCLE\ LANE\ DELINEATION, LEGEND, AND\ SIGNING\ SHALL\ CONFORM\ TO\ THE\ MUTCD\ LATEST\ EDITION.$
- 5. SIGN SIDE AND PLACEMENT SHALL CONFORM TO THE REQUIREMENTS OF THE MUTCD, LATEST EDITION.
- 6. THE BIKE LANE SIGNAGE SHALL BE TYPE XI SHEETING.

	AGENCY APPROVED B C H L M										
SPECIFICATION REFERENCE	UNI	FORM S CLARI					}				
		CYCLE I LEGEN					,				
	DATE 07-01-12	DWG. NO		244.9	9						



12" (MACOR STREETS)



#### 9" (MINOR STREETS)

- (N) 1. SIGN SHALL BE WHITE LETTERS AND NUMBERS ON GREEN BACKGROUND. (THE CITY OF NORTH LAS VEGAS BACKGROUND IS BLUE.) CUT-OUT LETTERS AND NUMBERS ARE NOT ACCEPTABLE (EXCEPT FOR THE BLOCK NUMBER).
  - 2. REFLECTIVE SHEETING MATERIAL SHALL BE TYPE XI.
  - 3. PRIMARY COPY FOR 9" AND 12" SIGNS SHALL BE 6" SERIES 'C' UPPERCASE WITH 4 1/2' SERIES 'C' LOWERCASE HOWEVER, WHEN DESCENDERS ARE REQUIRED ON 9" SIGNS, PRIMARY COPY SHALL BE 5 1/2". ORDINAL, SUFFIX AND BLOCK NUMBER SHALL BE 3" SERIES 'C' UPPERCASE. (ORDINAL MAY BE OMITTED FROM 12" SIGNS, EXCEPT IN CLARK COUNTY.) SPACING BETWEEN LETTERS SHALL BE AS ON SHEET 2 OF THIS DRAWING.
  - 4. THE SIGN SHALL HAVE A MINIMUM LENGTH OF 30". WHERE EXTRA LENGTH IS REQUIRED, IT SHALL BE PROVIDED IN 6" INCREMENTS. GROUND MOUNTED SIGNS SHALL HAVE A MAXIMUM LENGTH OF 42".
  - BOTH SIGNS PLACED ON MA©OR STREETS WITH RIGHTS-OF-WAY 80' OR GREATER SHALL HAVE A
    HEIGHT OF 12" SIGNS PLACED ON MINOR STREETS WITH RIGHTS-OF-WAY OF LESS THAN 80'
    SHALL HAVE A HEIGHT OF 9".
  - 6. 12" SIGNS SHALL HAVE A 1/2" WHITE BORDER AT THE EDGE.
  - 7. SIGN BLANKS SHALL HAVE ROUNDED CORNERS.

		AGENCY APPR	OVED	В	С	Н	L	М	(N)		
	SPECIFICATION REFERENCE	UNI	FORM S CLARI					3			
631	STREET NAME SIGNS										
716	SIGN MATERIALS	STREET NAME SIGNS FACE COPY									
				ACL	COI	'					
		DATE 07/01/12	DWG. NO.		250		SHEE	T 1 OF	2		

#### SPACING OF STREET NAME SIGN LEGENDS

SPACING FOR STREET NAME SIGN LEGENDS SHALL BE OBTAINED BY MODIFICATION TO THE REQUIREMENTS OF THE FHWA STANDARD SPACING CHART FOR 6" UPPERCASE LETTERS. THE FOLLOWING STEPS SHALL BE USED TO DETERMINE REQUIRED SPACING:

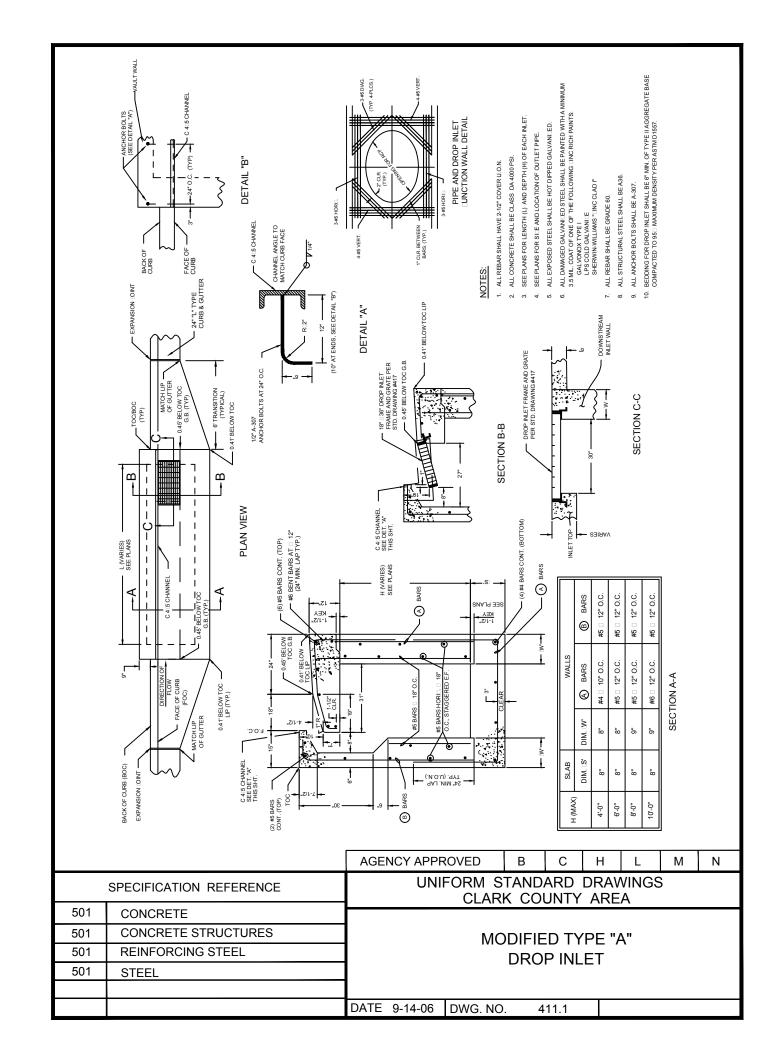
- 1. SIGN LAYOUT COMPUTER SOFTWARE SHALL BE EVALUATED TO DETERMINE THE "CORRECTION FACTOR" NECESSARY FOR LAYOUT SOFTWARE LETTER SPACING TO BE APPROXIMATELY EQUAL TO THE FHWA STANDARD SPACING FOR UPPERCASE LETTERS.
- 2. CORRECTION FACTOR SHALL BE USED TO AD UST THE SPACING FOR THE LOWERCASE LETTERS.
- 3. SPACING FOR STREET NAME SIGN LEGENDS SHALL BE EQUAL TO 110 OF THE "CORRECTED" LAYOUT SOFTWARE LETTER SPACING.

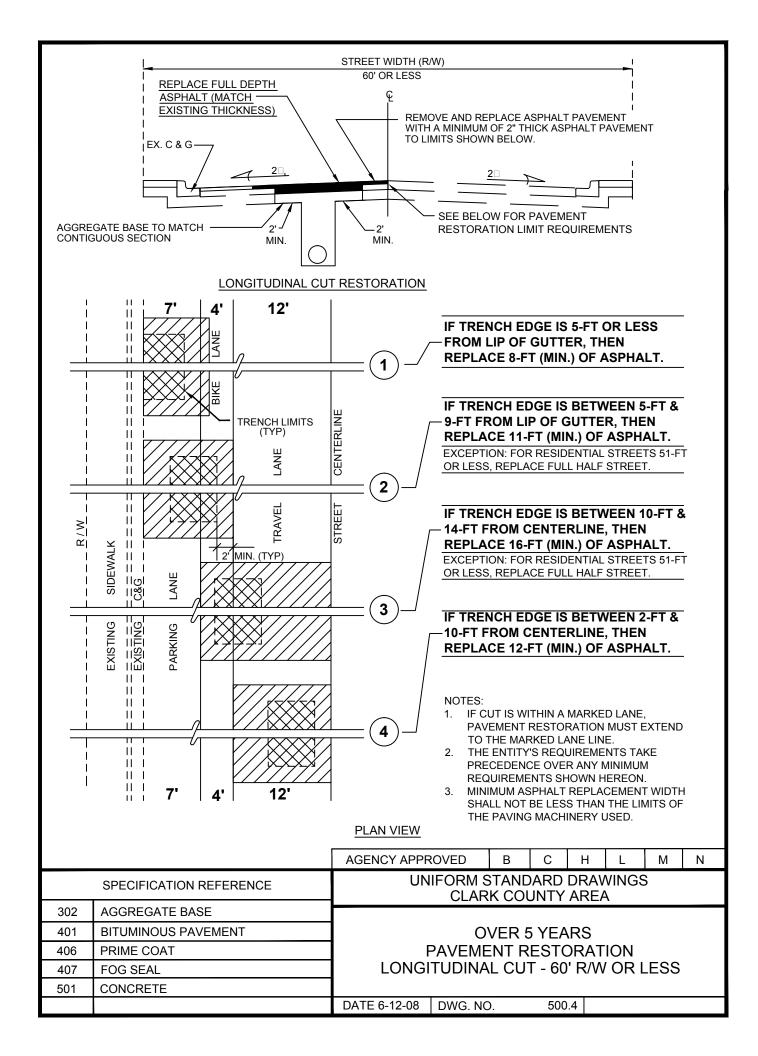
(SAME STEPS ARE TO BE FOLLOWED WHEN FONT SIDE OF LEGEND IS REDUCED IN ORDER NOT TO EXCEED THE MAXIMUM LENGTH LIMITATIONS.)

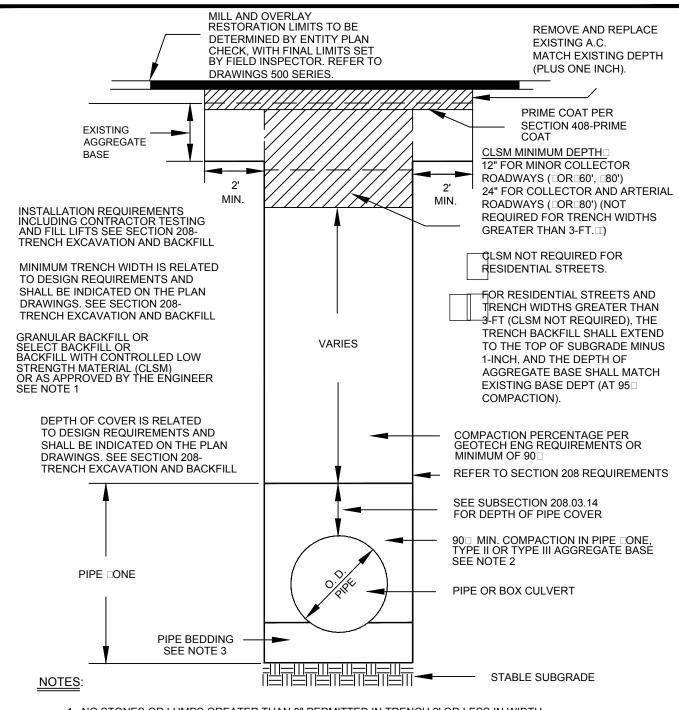
IF LEGEND SPACED ACCORDING TO RECOMMENDED PROCEDURE ABOVE EXCEEDS THE MAXIMUM ALLOWABLE SIGN LENGTH (42" FOR GROUND-MOUNTED), THE FOLLOWING ACTIONS, LISTED IN PRIORITY ORDER, SHALL BE TAKEN TO REDUCE LENGTH OF THE SIGNBLANK.

- A. REDUCE THE FONT TO 5 1/2" SERIES 'C'.
- B. REDUCE THE SPACING TO 100 OF THE "FEDERAL STANDARD".
- C. REDUCE THE FONT TO 5 1/2" SERIES "B".
- D. CONSIDER ABBREVIATING ANY LEGEND WORDS WHICH ARE EXTREMELY COMMON (I.E., "MTN" FOR "MOUNTAIN") SUCH ABBREVIATIONS MUST BE APPROVED BY THE TRAFFIC ENGINEER AND THE FIRE DEPARTMENT.
- E. REDUCE THE LEADING AND TRAILING BLANK GREEN SPACE BY 50 .
- F. CONSTRUCT THE SIGN ACCORDING TO THE STANDARD SPACING WHICH WILL BE GREATER THAN 42" IN LENGTH, AND MOUNT ON A STREETLIGHT POLE OR OTHER ELEVATED MOUNT AS APPROVED BY THE TRAFFIC ENGINEER WITH APPROPRIATE SIGN BRACING AND MOUNTING HARDWARE.

		AGENCY /	APPROVED	В	С	Н	L	М	N		
	SPECIFICATION REFERENCE		UNIFORM S CLAR					3			
631	STREET NAME SIGNS										
716	SIGN MATERIALS	CTDEET NAME CIONO									
		STREET NAME SIGNS LETTER SPACING									
						, II VO					
		DATE 6-12	2-97 DWG. NO	. 25	50		SHEE	T 2 OF	2		

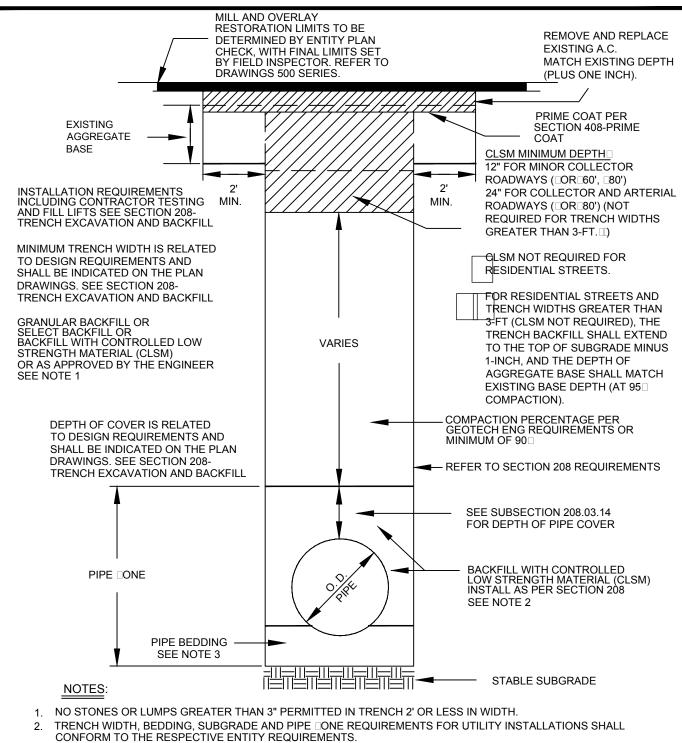






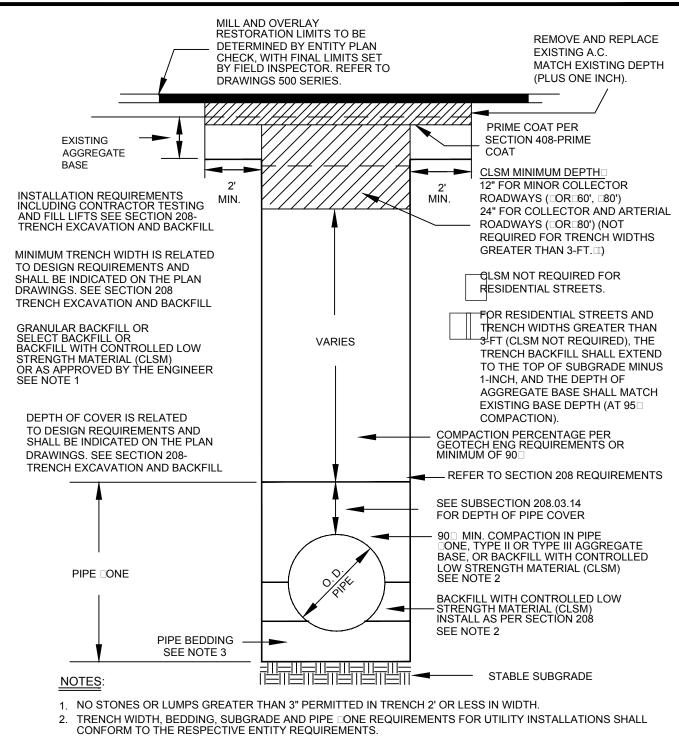
- 1. NO STONES OR LUMPS GREATER THAN 3" PERMITTED IN TRENCH 2' OR LESS IN WIDTH.
- 2. TRENCH WIDTH, BEDDING, SUBGRADE AND PIPE ONE REQUIREMENTS FOR UTILITY INSTALLATIONS SHALL CONFORM TO THE RESPECTIVE ENTITY REQUIREMENTS.
- 3. CRUSHED ROCK MAY BE USED FOR PIPE BEDDING ONLY IF MATERIAL USE HAS BEEN SPECIFICALLY APPROVED BY THE GOVERNING AGENCY. SEE STANDARD DRAWING NO. 505 FOR PIPE BEDDING METHODS.
- 4. LAS VEGAS VALLEY WATER DISTRICT REQUIRES PIPE BEDDING AND BACKFILL WITHIN THE PIPE ONE TO BE OF THE SAME MATERIAL.

		AGENCY APPROVED	В	С	Н	L	M	N	
	SPECIFICATION REFERENCE	UNIFORM : CLAF	STANE RK COU				3		
208	TRENCH EXCAVATION & BACKFILL								
302	AGGREGATE BASE COURSES	METHOD B FOR RIGID AND FLEXIBLE PIPE							
		TRENCH BACKFILL - PAVED AREAS							
		THENOIT BACKFILE - FAVED AREAG							
		DATE 01-01-12 DWG. NO	). !	503					



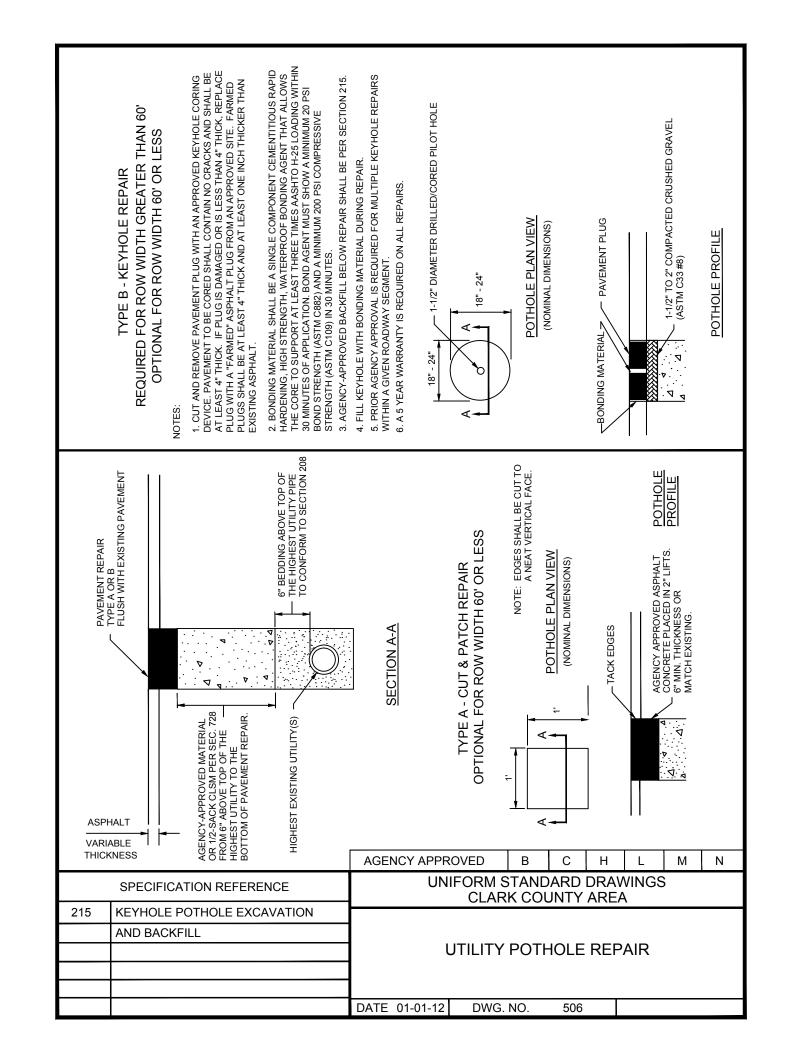
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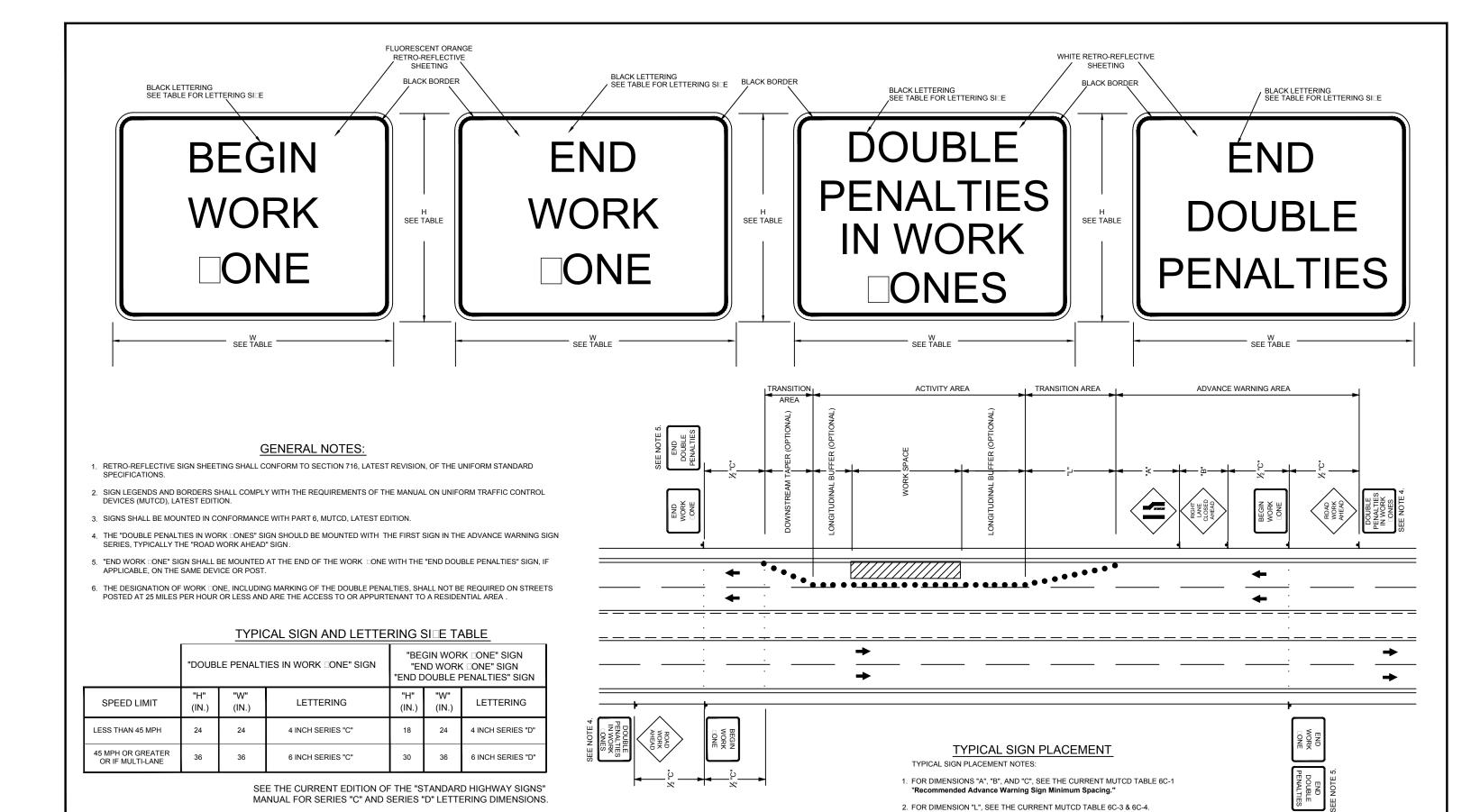
		AGENCY APPR	ROVED	В	С	Н	L	М	Ν
SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA							
208	TRENCH EXCAVATION & BACKFILL								
302	AGGREGATE BASE COURSES	METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS							
		DATE 01-01-12	DWG. NO	. 5	03.1				



- 3. CRUSHED ROCK MAY BE USED FOR PIPE BEDDING ONLY IF MATERIAL USE HAS BEEN SPECIFICALLY APPROVED BY THE GOVERNING AGENCY. SEE STANDARD DRAWING NO. 505 FOR PIPE BEDDING METHODS.
- 4. LAS VEGAS VALLEY WATER DISTRICT REQUIRES PIPE BEDDING AND BACKFILL WITHIN THE PIPE □ONE TO BE OF THE SAME MATERIAL.

		AGENCY APPRO	OVED	В	С	Н	L	М	N	
SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA								
208	TRENCH EXCAVATION & BACKFILL									
302	AGGREGATE BASE COURSES	METHOD A FOR RIGID PIPE TRENCH BACKFILL - PAVED AREAS								
		DATE 01-01-12 DWG NO. 503.2								
		DATE 01-01-12	DWG. NO	. 5	U3.Z					





TRAFFIC CONTROL PLAN FOR HIGHWAY WORK □ONE SPECIFICATION REFERENCE
716 | SIGN MATERIALS

### TYPICAL APPLICATION FOR

3. SIGNS MAY BE OMITTED IN THE DIRECTION WORK IS <u>NOT</u> BEING CONDUCTED IF THE ROADWAY IS PHYSICALLY SEPARATED BY A RAISED MEDIAN OR BARRIER WALL THROUGH THE COMPLETE WORK □ONE.

STANDARD FOR "DOUBLE PENALTIES" SIGNS
FOR USE IN TEMPORARY TRAFFIC CONTROL □ONES

AGENCY APPROVED B C H L M N

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

SUPPLEMENTAL DRAWING

DATE 07-01-12 DWG NO. 627