CARSON CITY PUBLIC WORKS

WINNIE LANE RECONSTRUCTION PROJECT

OCTOBER 2023

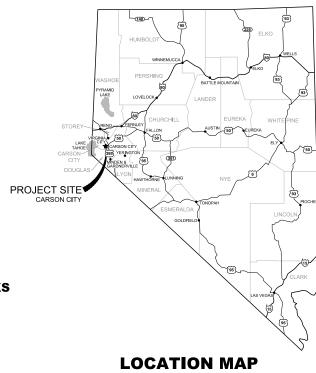
BOARD OF SUPERVISORS

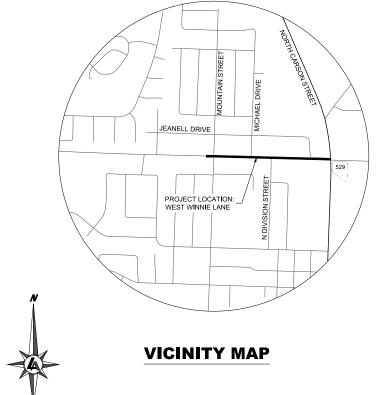
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STACEY GIOMI, SUPERVISOR WARD 1
MAURICE WHITE, SUPERVISOR WARD 2
CURTIS HORTON, SUPERVISOR WARD 3
LISA SCHUETTE, SUPERVISOR WARD 4



DEVELOPED FOR

CARSON CITY PUBLIC WORKS 3505 BUTTI WAY CARSON CITY, NV 89701 TEL.: 775.887.2355





SHEET INDEX

D1.1

D1.2

D1.4

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SURFACE IMPROVEMENT DETAILS

SIGNAGE AND STRIPING DETAILS

STORM DRAIN DETAILS



ENGINEER

950 SANDHILL ROAD, SUITE 100 RENO, NEVADA 89521 TEL: 775.827.6111 INFO@LUMOSINC.COM



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RECONSTRUCTION PROJECT

WINNIE LANE

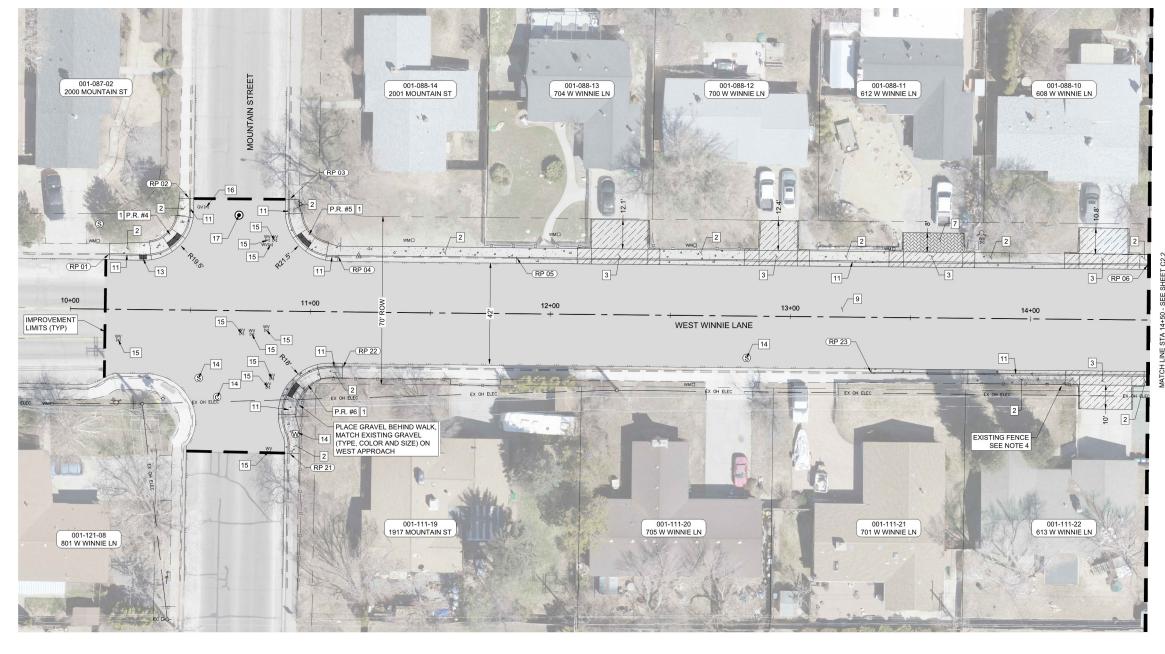
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BID SET
NOT FOR CONSTRUCTION
OCTOBER 2023

BAR IS 1 INCH ON ORIGINAL DRA

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY: MEP
DESIGNED BY: TDA
CHECKED BY: AJG
JOB NO.: 10944,000



	SHEET C2.1 QUANTITIES								
NO.	IMPROVEMENT TYPE	UNIT	QTY.	DETAIL	SHEET				
1	REMOVE AND REPLACE PCC ADA PEDESTRIAN RAMP	EA	3	C-5.3	D1.1				
2	REMOVE AND REPLACE PCC SIDEWALK	SF	1,193	C-5.2.2	D1.0				
3	REMOVE AND REPLACE PCC RESIDENTIAL DRIVEWAY & DRIVEWAY APRON	SF	1,999	C-5.2.3	D1.0				
4	REMOVE AND REPLACE PCC COMMERCIAL DRIVEWAY & DRIVEWAY APRON	SF	-	C5.2.3	D1.0				
5	REMOVE AND REPLACE PCC DRIVEWAY TRANSITION BEHIND PCC APRON	SF		C5.2.3	D1.0				
6	REMOVE AND REPLACE AC DRIVEWAY TRANSITION BEHIND PCC APRON	SF	-	C-102	D1.1				
7	REMOVE, SALVAGE, AND RESET EXISTING DRIVEWAY PAVERS	SF	198	-	-				
8	REMOVE AND REPLACE PCC VALLEY GUTTER AND SPANDREL	SF	-	C-5.1.2	D1.0				
9	RECONSTRUCT ROADWAY SECTION: 4" BITUMINOUS PLANTMIX ON 8" TYPE 2 CLASS B OR TYPE 2 RECYCLED AGGREGATE BASE ON 12" SUITABLE SUBGRADE/STRUCTURAL FILL)	SF	21,383	C-103/104	D1.2				
10	FULL DEPTH PERMANENT BITUMINOUS PAVEMENT PATCH OUTSIDE RECONSTRUCT SECTION	SF	-	C-5.1.6	D1.1				
11	REMOVE AND REPLACE PCC CURB AND GUTTER (TYPE 1A)	LF	279	C-100	D1.0				
12	REMOVE, REPLACE, AND/OR RELOCATE EXISTING DROP INLET WITH TYPE 3R OR 4R CATCH BASIN WITH 15" OR 24" SD SECTION REPLACEMENT	EA	-	C-4.1.4/5	D1.4				
13	PROTECT AND RESET EXISTING TYPE 4R CATCH BASIN STRUCTURE	EA	1	-	-				
14	PROTECT AND ADJUST EXISTING MANHOLE (SS/SD/WATER) STRUCTURE TO FINISH GRADE	EA	4	C-2.1.5	D1.2				
15	PROTECT AND ADJUST EXISTING WATER VALVE BOXES TO FINISH GRADE	EA	10	C-200	D1.2				
16	PROTECT AND ADJUST EXISTING GAS VALVE BOXES TO FINISH GRADE	EA	1	C-200	D1.2				
17	RECONSTRUCT SURVEY MONUMENT	EA	1	C-5.1.10	D1.2				
18	REMOVE EXISTING BOLLARDS AND INSTALL NEW REMOVABLE BOLLARD	EA	-	C-101	D1.0				
19	INSTALL TRAFFIC SIGNAL LOOP DETECTOR	EA	-	-	-				

AC RECONSTRUCTION SECTION

AC DRIVEWAY TRANSITION



PCC SIDEWALK PCC COMMERCIAL DRIVEWAY APRON

PCC RESIDENTIAL DRIVEWAY APRON

PCC DRIVEWAY TRANSITION

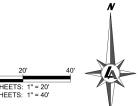
PAVERS

TYPE 1A PCC CURB AND GUTTER

SURFACE IMPROVEMENT NOTES

- 1. SURFACE RESTORATION LIMITS ARE ESTIMATED AS SHOWN AND SHALL NOT BE CONSIDERED A MAXIMUM OR MINIMUM AREA.
 CONTRACTOR SHALL EVALUATE CONSTRUCTION METHODS, DESIGN
 DETAILS, EQUIPMENTS, SOILS, AND OTHER CONDITIONS TO DETERMINE
- 2. PROTECT ALL EXISTING STRUCTURES, TREES, UTILITIES, FENCING, BOXES, POLE, ETC. IN PLACE UNLESS NOTED OTHERWISE. IF DAMAGE IS CAUSE BY CONTRACTOR, THEN IT SHALL BE REPLACED AT NO DIRECT PAYMENT.
- UNLESS OTHERWISE NOTED, PROTECT AND ADJUST ALL EXISTING UTILITY MANHOLE FRAME AND COVER, VALVE BOXES, AND VAULT COVERS TO NEW FINISH GRADE WITHIN RESTORATION LIMITS.
- 4. CONTRACTOR SHALL ATTEMPT TO PROTECT EXISTING FENCE IN PLACE. IF FENCE NEEDS TO BE REMOVED TO INSTALL SURFACE IMPROVEMENTS. THE CONTRACTOR SHALL REMOVE, SALVAGE, AND REINSTALL FENCE.
- 5. MISCELLANEOUS SIDEWALK REPLACEMENT LIMITS WILL BE PAINTED IN THE FIELD BY THE CONSTRUCTION MANAGER.
- 6. EXISTING DRIVEWAY TO BE REMOVED AND REPLACED WITH FULL HEIGHT CURB, GUTTER, AND SIDEWALK.

REFERENCE POINT (RP) TABLE							
POINT#	STATION / OFFSET	DESCRIPTION					
RP 01	"W" 10+16.17, -23.08 LT	BEGIN CURB / SW					
RP 02	"W" 10+49.23, -46.42 LT	END CURB / SW					
RP 03	"W" 10+90.88, -46.56 LT	BEGIN CURB / SW					
RP 04	"W" 11+11.08, -23.37 LT	END CURB					
RP 05	"W" 11+85.63, -23.42 LT	BEGIN CURB					
RP 06	"W" 14+48.95, -23.33 LT	END CURB / SW					
RP 21	"W" 10+91.91, 59.18 RT	BEGIN CURB / SW					
RP 22	"W" 11+13.75, 23.27 RT	END CURB / SW					
RP 23	"W" 13+34.10, 23.37 RT	BEGIN CURB					





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WINNIE LANE RECONSTRUCTION PROJECT SURFACE IMPROVEMENT SHEETS WINNIE LANE - STA 10+00 TO STA 14+50

BID SET FOR CONSTRUCTION OCTOBER 2023

IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY

DRAWN BY: DESIGNED BY: CHECKED BY: JOB NO.:

AJG 10944.000

	SHEET C2.2 QUANTITIES							
NO.	IMPROVEMENT TYPE	UNIT	QTY.	DETAIL	SHEET			
1	REMOVE AND REPLACE PCC ADA PEDESTRIAN RAMP	EA	5	C-5.3	D1.1			
2	REMOVE AND REPLACE PCC SIDEWALK	SF	854	C-5.2.2	D1.0			
3	REMOVE AND REPLACE PCC RESIDENTIAL DRIVEWAY & DRIVEWAY APRON	SF	433	C-5.2.3	D1.0			
4	REMOVE AND REPLACE PCC COMMERCIAL DRIVEWAY & DRIVEWAY APRON	SF	519	C5.2.3	D1.0			
5	REMOVE AND REPLACE PCC DRIVEWAY TRANSITION BEHIND PCC APRON	SF	-	C5.2.3	D1.0			
6	REMOVE AND REPLACE AC DRIVEWAY TRANSITION BEHIND PCC APRON	SF	1,172	C-102	D1.1			
7	REMOVE, SALVAGE, AND RESET EXISTING DRIVEWAY PAVERS	SF	-	-	-			
8	REMOVE AND REPLACE PCC VALLEY GUTTER AND SPANDREL	SF	-	C-5.1.2	D1.0			
9	RECONSTRUCT ROADWAY SECTION: 4" BITUMINOUS PLANTMIX ON 8" TYPE 2 CLASS B OR TYPE 2 RECYCLED AGGREGATE BASE ON 12" SUITABLE SUBGRADE/STRUCTURAL FILL)	SF	23,154	C-103/104	D1.2			
10	FULL DEPTH PERMANENT BITUMINOUS PAVEMENT PATCH OUTSIDE RECONSTRUCT SECTION	SF	-	C-5.1.6	D1.1			
11	REMOVE AND REPLACE PCC CURB AND GUTTER (TYPE 1A)	LF	192	C-100	D1.0			
12	REMOVE, REPLACE, AND/OR RELOCATE EXISTING DROP INLET WITH TYPE 3R OR 4R CATCH BASIN WITH 15" OR 24" SD SECTION REPLACEMENT	EA	1	C-4.1.4/5	D1.4			
13	PROTECT AND RESET EXISTING TYPE 4R CATCH BASIN STRUCTURE	EA	3	-	-			
14	PROTECT AND ADJUST EXISTING MANHOLE (SS/SD/WATER) STRUCTURE TO FINISH GRADE	EA	2	C-2.1.5	D1.2			
15	PROTECT AND ADJUST EXISTING WATER VALVE BOXES TO FINISH GRADE	EA	7	C-200	D1.2			
16	PROTECT AND ADJUST EXISTING GAS VALVE BOXES TO FINISH GRADE	EA	-	C-200	D1.2			
17	RECONSTRUCT SURVEY MONUMENT	EA	2	C-5.1.10	D1.2			
18	REMOVE EXISTING BOLLARDS AND INSTALL NEW REMOVABLE BOLLARD	EA	-	C-101	D1.0			
19	INSTALL TRAFFIC SIGNAL LOOP DETECTOR	EA	-	-	-			

AC RECONSTRUCTION SECTION

AC DRIVEWAY TRANSITION

PERMANENT PAVEMENT PATCH

PCC SIDEWALK

PCC COMMERCIAL DRIVEWAY APRON

PCC RESIDENTIAL DRIVEWAY APRON

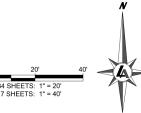
PCC DRIVEWAY TRANSITION

PAVERS

TYPE 1A PCC CURB AND GUTTER

SURFACE IMPROVEMENT NOTES

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 CONTRACTOR SHALL EVALUATE CONSTRUCTION METHODS, DESIGN DETAILS, EQUIPMENTS, SOILS, AND OTHER CONDITIONS TO DETERMINE
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- 5. MISCELLANEOUS SIDEWALK REPLACEMENT LIMITS WILL BE PAINTED IN THE FIELD BY THE CONSTRUCTION MANAGER.
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50

19+{ STA

REFERENCE POINT (RP) TABLE

POINT # STATION / OFFSET | DESCRIPTION

"W" 15+68.43, -23.37 LT | BEGIN CURB / SW

"W" 15+92.02, -51.18 LT END CURB / SW

"W" 16+32.97, -51.27 LT | BEGIN CURB / SW

"W" 16+54.51, -23.52 LT | END CURB / SW

"W" 17+12.88, -23.51 LT | BEGIN CURB / SW "W" 17+40.99, -23.60 LT | END CURB / SW

"W" 18+04.30, -23.61 LT | BEGIN CURB / SW "W" 15+31.53, 23.47 RT | END CURB

"W" 18+62.55, 23.47 RT | BEGIN CURB / SW

"W" 18+84.67, 45.34 RT | END CURB / SW

RP 27 "W" 19+22.04, 44.21 RT | BEGIN CURB / SW

WINNIE LANE RECONSTRUCTION PROJECT SURFACE IMPROVEMENT SHEETS E - STA 14+50 TO 9

SURFACE IN WINNIE LANE -

BID SET FOR CONSTRUCTION OCTOBER 2023

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DRAWN BY: DESIGNED BY: CHECKED BY: 10944.000 JOB NO.:

AJG



	SHEET C2.3 QUANTITIES								
NO.	IMPROVEMENT TYPE	UNIT	QTY.	DETAIL	SHEET				
1	REMOVE AND REPLACE PCC ADA PEDESTRIAN RAMP	EA	-	C-5.3	D1.1				
2	REMOVE AND REPLACE PCC SIDEWALK	SF	1,152	C-5.2.2	D1.0				
3	REMOVE AND REPLACE PCC RESIDENTIAL DRIVEWAY & DRIVEWAY APRON	SF	-	C-5.2.3	D1.0				
4	REMOVE AND REPLACE PCC COMMERCIAL DRIVEWAY & DRIVEWAY APRON	SF	1,238	C5.2.3	D1.0				
5	REMOVE AND REPLACE PCC DRIVEWAY TRANSITION BEHIND PCC APRON	SF	-	C5.2.3	D1.0				
6	REMOVE AND REPLACE AC DRIVEWAY TRANSITION BEHIND PCC APRON	SF	2,561	C-102	D1.1				
7	REMOVE, SALVAGE, AND RESET EXISTING DRIVEWAY PAVERS	SF	-	-	-				
8	REMOVE AND REPLACE PCC VALLEY GUTTER AND SPANDREL	SF	-	C-5.1.2	D1.0				
9	RECONSTRUCT ROADWAY SECTION: 4" BITUMINOUS PLANTMIX ON 8" TYPE 2 CLASS B OR TYPE 2 RECYCLED AGGREGATE BASE ON 12" SUITABLE SUBGRADE/STRUCTURAL FILL)	SF	18,984	C-103/104	D1.2				
10	FULL DEPTH PERMANENT BITUMINOUS PAVEMENT PATCH OUTSIDE RECONSTRUCT SECTION	SF	-	C-5.1.6	D1.1				
11	REMOVE AND REPLACE PCC CURB AND GUTTER (TYPE 1A)	LF	149	C-100	D1.0				
12	REMOVE, REPLACE, AND/OR RELOCATE EXISTING DROP INLET WITH TYPE 3R OR 4R CATCH BASIN WITH 15" OR 24" SD SECTION REPLACEMENT	EA	-	C-4.1.4/5	D1.4				
13	PROTECT AND RESET EXISTING TYPE 4R CATCH BASIN STRUCTURE	EA	1	-	-				
14	PROTECT AND ADJUST EXISTING MANHOLE (SS/SD/WATER) STRUCTURE TO FINISH GRADE	EA	-	C-2.1.5	D1.2				
15	PROTECT AND ADJUST EXISTING WATER VALVE BOXES TO FINISH GRADE	EA	-	C-200	D1.2				
16	PROTECT AND ADJUST EXISTING GAS VALVE BOXES TO FINISH GRADE	EA	-	C-200	D1.2				
17	RECONSTRUCT SURVEY MONUMENT	EA	-	C-5.1.10	D1.2				
18	REMOVE EXISTING BOLLARDS AND INSTALL NEW REMOVABLE BOLLARD	EA	-	C-101	D1.0				
19	INSTALL TRAFFIC SIGNAL LOOP DETECTOR	EA		-	-				

AC RECONSTRUCTION SECTION

AC DRIVEWAY TRANSITION

PERMANENT PAVEMENT PATCH

PCC SIDEWALK

PCC COMMERCIAL DRIVEWAY APRON

PCC RESIDENTIAL DRIVEWAY APRON

PCC DRIVEWAY TRANSITION

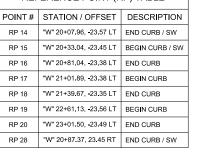
PAVERS

TYPE 1A PCC CURB AND GUTTER

SURFACE IMPROVEMENT NOTES

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 CONTRACTOR SHALL EVALUATE CONSTRUCTION METHODS, DESIGN
 DETAILS, EQUIPMENTS, SOILS, AND OTHER CONDITIONS TO DETERMINE
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- 5. MISCELLANEOUS SIDEWALK REPLACEMENT LIMITS WILL BE PAINTED IN THE FIELD BY THE CONSTRUCTION MANAGER.
- 6. EXISTING DRIVEWAY TO BE REMOVED AND REPLACED WITH FULL HEIGHT CURB, GUTTER, AND SIDEWALK.

REFERENCE POINT (RP) TABLE						
POINT #	STATION / OFFSET	DESCRIPTION				
RP 14	"W" 20+07.96, -23.57 LT	END CURB / SW				
RP 15	"W" 20+33.04, -23.45 LT	BEGIN CURB / SW				
RP 16	"W" 20+81.04, -23.38 LT	END CURB				
RP 17	"W" 21+01.89, -23.38 LT	BEGIN CURB				
RP 18	"W" 21+39.67, -23.35 LT	END CURB				
RP 19	"W" 22+61.13, -23.56 LT	BEGIN CURB				
RP 20	"W" 23+01.50, -23.49 LT	END CURB				
RP 28	"W" 20+87 37 23 45 RT	END CURB / SW				





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WINNIE LANE RECONSTRUCTION PROJECT SURFACE IMPROVEMENT SHEETS WINNIE LANE - STA 19+50 TO STA 24+00

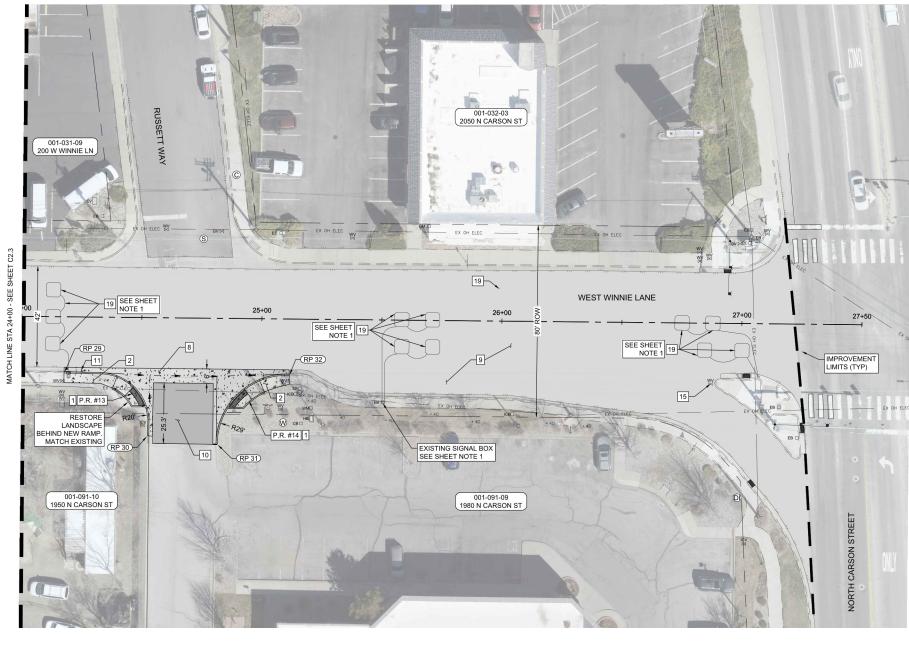
BID SET T FOR CONSTRUCTION OCTOBER 2023

BAR IS 1 INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

C2.3

DRAWN BY: MEP DESIGNED BY: TDA CHECKED BY: AJG JOB NO.: 10944.000



	SHEET C2.4 QUANTITIES								
NO.	IMPROVEMENT TYPE	UNIT	QTY.	DETAIL	SHEET				
1	REMOVE AND REPLACE PCC ADA PEDESTRIAN RAMP	EA	2	C-5.3	D1.1				
2	REMOVE AND REPLACE PCC SIDEWALK	SF	149	C-5.2.2	D1.0				
3	REMOVE AND REPLACE PCC RESIDENTIAL DRIVEWAY & DRIVEWAY APRON	SF	-	C-5.2.3	D1.0				
4	REMOVE AND REPLACE PCC COMMERCIAL DRIVEWAY & DRIVEWAY APRON	SF	-	C5.2.3	D1.0				
5	REMOVE AND REPLACE PCC DRIVEWAY TRANSITION BEHIND PCC APRON	SF	-	C5.2.3	D1.0				
6	REMOVE AND REPLACE AC DRIVEWAY TRANSITION BEHIND PCC APRON	SF	638	C-102	D1.1				
7	REMOVE, SALVAGE, AND RESET EXISTING DRIVEWAY PAVERS	SF	-	-	-				
8	REMOVE AND REPLACE PCC VALLEY GUTTER AND SPANDREL	SF	641	C-5.1.2	D1.0				
9	RECONSTRUCT ROADWAY SECTION: 4" BITUMINOUS PLANTMIX ON 8" TYPE 2 CLASS B OR TYPE 2 RECYCLED AGGREGATE BASE ON 12" SUITABLE SUBGRADE/STRUCTURAL FILL)	SF	17,084	C-103/104	D1.2				
10	FULL DEPTH PERMANENT BITUMINOUS PAVEMENT PATCH OUTSIDE RECONSTRUCT SECTION	SF	-	C-5.1.6	D1.1				
11	REMOVE AND REPLACE PCC CURB AND GUTTER (TYPE 1A)	LF	15	C-100	D1.0				
12	REMOVE, REPLACE, AND/OR RELOCATE EXISTING DROP INLET WITH TYPE 3R OR 4R CATCH BASIN WITH 15" OR 24" SD SECTION REPLACEMENT	EA	-	C-4.1.4/5	D1.4				
13	PROTECT AND RESET EXISTING TYPE 4R CATCH BASIN STRUCTURE	EA		-	-				
14	PROTECT AND ADJUST EXISTING MANHOLE (SS/SD/WATER) STRUCTURE TO FINISH GRADE	EA	-	C-2.1.5	D1.2				
15	PROTECT AND ADJUST EXISTING WATER VALVE BOXES TO FINISH GRADE	EA	1	C-200	D1.2				
16	PROTECT AND ADJUST EXISTING GAS VALVE BOXES TO FINISH GRADE	EA	-	C-200	D1.2				
17	RECONSTRUCT SURVEY MONUMENT	EA	-	C-5.1.10	D1.2				
18	REMOVE EXISTING BOLLARDS AND INSTALL NEW REMOVABLE BOLLARD	EA	-	C-101	D1.0				
19	INSTALL TRAFFIC SIGNAL LOOP DETECTOR	EA	11	-	-				

AC RECONSTRUCTION SECTION

AC DRIVEWAY TRANSITION

PERMANENT PAVEMENT PATCH

PCC SIDEWALK

PCC COMMERCIAL DRIVEWAY APRON

PCC RESIDENTIAL DRIVEWAY APRON

PCC DRIVEWAY TRANSITION

PAVERS

TYPE 1A PCC CURB AND GUTTER

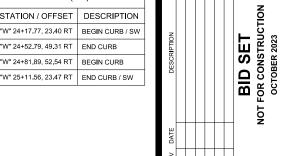
SURFACE IMPROVEMENT NOTES

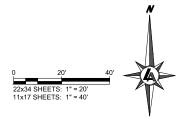
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- 4. CONTRACTOR SHALL ATTEMPT TO PROTECT EXISTING FENCE IN PLACE. IF FENCE NEEDS TO BE REMOVED TO INSTALL SURFACE IMPROVEMENTS THE CONTRACTOR SHALL REMOVE, SALVAGE, AND REINSTALL FENCE.
- 5. MISCELLANEOUS SIDEWALK REPLACEMENT LIMITS WILL BE PAINTED IN THE FIELD BY THE CONSTRUCTION MANAGER.
- 6. EXISTING DRIVEWAY TO BE REMOVED AND REPLACED WITH FULL HEIGHT CURB, GUTTER, AND SIDEWALK.

SURFACE IMPROVEMENT SHEET NOTES

CONTRACTOR TO COORDINATE LOOP LAYOUT WITH CARSON CITY TRAFFIC SIGNALS. CONTRACTOR TO PROTECT LOOP POCKETS AND SIGNAL BOX DURING CONSTRUCTION, PULL LOOP LEAD IN FROM THE EXISTING CABINET TO EACH PULL BOX. NO SPLICING IS ALLOWED.

REF	FERENCE POINT (F	RP) TABLE
POINT#	STATION / OFFSET	DESCRIPTION
RP 29	"W" 24+17.77, 23.40 RT	BEGIN CURB / SV
RP 30	"W" 24+52.79, 49.31 RT	END CURB
RP 31	"W" 24+81.89, 52.54 RT	BEGIN CURB
RP 32	"W" 25+11.56, 23.47 RT	END CURB / SW





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WINNIE LANE RECONSTRUCTION PROJECT SURFACE IMPROVEMENT SHEETS WINNIE LANE - STA 24+00 TO STA 27+50

BAR IS 1 INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY: DESIGNED BY: CHECKED BY: JOB NO.:

AJG 10944.000

	SHEET C4.1 QUANTITIES							
NO.	IMPROVEMENT TYPE	UNIT	QTY.	DETAIL	SHEET			
1	INSTALL 4" SOLID WHITE STRIPING PAINT (TYPE II WATER BORNE)	LF	635	C-5.4.2	D1.5			
2	INSTALL 6" SOLID WHITE STRIPING PAINT (TYPE II WATER BORNE)	LF	635	C-5.4.2	D1.5			
3	INSTALL 6" DOTTED (2'/4') WHITE STRIPING PAINT (TYPE II WATERBORNE)	LF	100	C-5.4.2	D1.5			
4	INSTALL 8" SOLID WHITE STRIPING PAINT (TYPE II WATER BORNE)	LF	-	C-5.4.2	D1.5			
5	INSTALL 8" DOTTED (2'/3') WHITE STRIPING PAINT (TYPE II WATERBORNE)	LF		C-5.4.2	D1.5			
6	INSTALL 4" DOUBLE SOLID YELLOW STRIPING PAINT (TYPE II WATER BORNE)	LF	445	C-5.4.2	D1.5			
7	INSTALL 4" DOUBLE SOLID & BROKEN (7'/21') YELLOW STRIPING PAINT (TYPE II WATER BORNE)	LF	104	C-5.4.2	D1.5			
8	INSTALL RED CURB PAINT (TYPE III WATER BORNE)	LF	-	-	-			
9	INSTALL 24" SOLID WHITE STOP BAR (TYPE II WATERBORNE)	LF	84	C-300	D1.5			
10	INSTALL 2'x10' SOLID WHITE CROSS WALK KEY (TYPE II WATERBORNE)	LF	370	C-5.4.2.1	D1.5			
11	INSTALL YIELD TRIANGLES (TYPE II WATERBORNE)	EA	-	C-5.4.2.2	D1.5			
12	INSTALL PREFORMED BICYCLE LANE PAVEMENT MARKING (TYPE II WATERBORNE)	EA	1	C-300	D1.5			
13	INSTALL PREFORMED WHITE DIRECTIONAL ARROW PAVEMENT MARKING (TYPE II WATERBORNE)	EA	-	C-300	D1.5			
14	INSTALL PREFORMED WHITE WORD LEGENDS (TYPE II WATERBORNE)	EA	-	C-300	D1.5			
15	INSTALL STANDARD ADDRESS ON CURB (TYPE II WATERBORNE)	EA	4	=	-			
16	REMOVE AND REPLACE EXISTING TRAFFIC SIGN AND/OR STREET SIGN, POST, AND PCC FOUNDATION	EA	4	C-5.4.1.1	D1.5			
17	INSTALL NEW TRAFFIC SIGN AND/OR STREET SIGN POST AND PCC FOUNDATION	FΔ	1	C-5.4.1.1	D1.5			

STRIPING AND SIGNAGE GENERAL NOTES

- RESTRIPE ALL PAVEMENT MARKINGS ON STREETS AS SHOWN WITH TWO COATS OF TRAFFIC PAINT AS REQUIRED. RED CURB SHALL BE PLACED WHERE EXISTING UNLESS OTHERWISE NOTED. REFER TO SHEET D1.5 FOR STRIPING DETAILS.
- WHITE STRIPING OUTSIDE OF SURFACE IMPROVEMENT LIMITS SHOWN BLACK FOR CLARITY.





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WINNIE LANE RECONSTRUCTION PROJECT STRIPING AND SIGNAGE SHEETS WINNIE LANE - STA 10+00 TO STA 14+50

BID SET
NOT FOR CONSTRUCTION
OCTOBER 2023

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

C4.1

DRAWN BY: DESIGNED BY: TDA CHECKED BY: AJG 10944.000 JOB NO.:

001-088-08 2000 MICHAEL DR

001-088-09 604 W WINNIE LN

	SHEET C4.2 QUANTITIES							
NO.	IMPROVEMENT TYPE	UNIT	QTY.	DETAIL	SHEET			
1	INSTALL 4" SOLID WHITE STRIPING PAINT (TYPE II WATER BORNE)	LF	766	C-5.4.2	D1.5			
2	INSTALL 6" SOLID WHITE STRIPING PAINT (TYPE II WATER BORNE)	LF	766	C-5.4.2	D1.5			
3	INSTALL 6" DOTTED (2'/4') WHITE STRIPING PAINT (TYPE II WATERBORNE)	LF	200	C-5.4.2	D1.5			
4	INSTALL 8" SOLID WHITE STRIPING PAINT (TYPE II WATER BORNE)	LF	-	C-5.4.2	D1.5			
5	INSTALL 8" DOTTED (2'/3') WHITE STRIPING PAINT (TYPE II WATERBORNE)	LF	-	C-5.4.2	D1.5			
6	INSTALL 4" DOUBLE SOLID YELLOW STRIPING PAINT (TYPE II WATER BORNE)	LF	473	C-5.4.2	D1.5			
7	INSTALL 4" DOUBLE SOLID & BROKEN (7'/21') YELLOW STRIPING PAINT (TYPE II WATER BORNE)	LF	-	C-5.4.2	D1.5			
8	INSTALL RED CURB PAINT (TYPE III WATER BORNE)	LF	69	-	-			
9	INSTALL 24" SOLID WHITE STOP BAR (TYPE WATERBORNE)	LF	33	C-300	D1.5			
10	INSTALL 2'x10' SOLID WHITE CROSS WALK KEY (TYPE II WATERBORNE)	LF	140	C-5.4.2.1	D1.5			
11	INSTALL YIELD TRIANGLES (TYPE II WATERBORNE)	EA	4	C-5.4.2.2	D1.5			
12	INSTALL PREFORMED BICYCLE LANE PAVEMENT MARKING (TYPE II WATERBORNE)	EA	4	C-300	D1.5			
13	INSTALL PREFORMED WHITE DIRECTIONAL ARROW PAVEMENT MARKING (TYPE II WATERBORNE)	EA	-	C-300	D1.5			
14	INSTALL PREFORMED WHITE WORD LEGENDS (TYPE II WATERBORNE)	EA	-	C-300	D1.5			
15	INSTALL STANDARD ADDRESS ON CURB (TYPE II WATERBORNE)	EA	1	-	-			
16	REMOVE AND REPLACE EXISTING TRAFFIC SIGN AND/OR STREET SIGN, POST, AND PCC FOUNDATION	EA	-	C-5.4.1.1	D1.5			
17	INSTALL NEW TRAFFIC SIGN AND/OR STREET SIGN, POST, AND PCC FOUNDATION	EA	1	C-5.4.1.1	D1.5			

STRIPING AND SIGNAGE GENERAL NOTES

001-111-26 501 W WINNIE LN

001-089-03 2001 MICHAEL DRIVE

WEST WINNIE LANE

12

001-111-25 511 W WINNIE LN

RESTRIPE ALL PAVEMENT MARKINGS ON STREETS AS SHOWN WITH TWO COATS OF TRAFFIC PAINT AS REQUIRED. RED CURB SHALL BE PLACED WHERE EXISTING UNLESS OTHERWISE NOTED. REFER TO SHEET D1.5 FOR STRIPING DETAILS.

2

2

18+00

001-031-01 410 W WINNIE LN

3

001-101-20 1918 N DIVISION ST

001-031-02 400 W WINNIE LN

INSTALL 12" YELLOW "NO PARKING" SPOT PAINT STENCIL. NO DIRECT PAYMENT.

EXISTING SCHOOL SIGN-WITH FLASHING BEACON PROTECT IN PLACE

12

WHITE STRIPING OUTSIDE OF SURFACE IMPROVEMENT LIMITS SHOWN BLACK FOR CLARITY.





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WINNIE LANE RECONSTRUCTION PROJECT STRIPING AND SIGNAGE SHEETS WINNIE LANE - STA 14+50 TO STA 19+50

BID SET
NOT FOR CONSTRUCTION
OCTOBER 2023

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

C4.2

DRAWN BY: DESIGNED BY: TDA CHECKED BY: AJG 10944.000 JOB NO.:

	SHEET C4.3 QUANTITIES							
NO.	IMPROVEMENT TYPE	UNIT	QTY.	DETAIL	SHEET			
1	INSTALL 4" SOLID WHITE STRIPING PAINT (TYPE II WATER BORNE)	LF	762	C-5.4.2	D1.5			
2	INSTALL 6" SOLID WHITE STRIPING PAINT (TYPE II WATER BORNE)	LF	883	C-5.4.2	D1.5			
3	INSTALL 6" DOTTED (2'/4') WHITE STRIPING PAINT (TYPE II WATERBORNE)	LF	17	C-5.4.2	D1.5			
4	INSTALL 8" SOLID WHITE STRIPING PAINT (TYPE II WATER BORNE)	LF	-	C-5.4.2	D1.5			
5	INSTALL 8" DOTTED (2'/3') WHITE STRIPING PAINT (TYPE II WATERBORNE)	LF	-	C-5.4.2	D1.5			
6	INSTALL 4" DOUBLE SOLID YELLOW STRIPING PAINT (TYPE II WATER BORNE)	LF	547	C-5.4.2	D1.5			
7	INSTALL 4" DOUBLE SOLID & BROKEN (7'/21') YELLOW STRIPING PAINT (TYPE II WATER BORNE)	LF	76	C-5.4.2	D1.5			
8	INSTALL RED CURB PAINT (TYPE III WATER BORNE)	LF	4	-	-			
9	INSTALL 24" SOLID WHITE STOP BAR (TYPE II WATERBORNE)	LF	-	C-300	D1.5			
10	INSTALL 2'x10' SOLID WHITE CROSS WALK KEY (TYPE II WATERBORNE)	LF	-	C-5.4.2.1	D1.5			
11	INSTALL YIELD TRIANGLES (TYPE II WATERBORNE)	EA	4	C-5.4.2.2	D1.5			
12	INSTALL PREFORMED BICYCLE LANE PAVEMENT MARKING (TYPE WATERBORNE)	EA	-	C-300	D1.5			
13	INSTALL PREFORMED WHITE DIRECTIONAL ARROW PAVEMENT MARKING (TYPE II WATERBORNE)	EA	1	C-300	D1.5			
14	INSTALL PREFORMED WHITE WORD LEGENDS (TYPE II WATERBORNE)	EA		C-300	D1.5			
15	INSTALL STANDARD ADDRESS ON CURB (TYPE II WATERBORNE)	EA	-	-	-			
16	REMOVE AND REPLACE EXISTING TRAFFIC SIGN AND/OR STREET SIGN, POST, AND PCC FOUNDATION	EA	1	C-5.4.1.1	D1.5			
17	INSTALL NEW TRAFFIC SIGN AND/OR STREET SIGN, POST, AND PCC FOUNDATION	EA	1	C-5.4.1.1	D1,5			

STRIPING AND SIGNAGE GENERAL NOTES

- RESTRIPE ALL PAVEMENT MARKINGS ON STREETS AS SHOWN WITH TWO COATS OF TRAFFIC PAINT AS REQUIRED. RED CURB SHALL BE PLACED WHERE EXISTING UNLESS OTHERWISE NOTED. REFER TO SHEET D1.5 FOR STRIPING DETAILS.
- WHITE STRIPING OUTSIDE OF SURFACE IMPROVEMENT LIMITS SHOWN BLACK FOR CLARITY.



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WINNIE LANE RECONSTRUCTION PROJECT STRIPING AND SIGNAGE SHEETS WINNIE LANE - STA 19+50 TO STA 24+00

BID SET
NOT FOR CONSTRUCTION
OCTOBER 2023

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

C4.3

DRAWN BY: MEP DESIGNED BY: TDA AJG CHECKED BY: 10944.000 JOB NO.:

22x34 SHEETS: 1" = 20' 11x17 SHEETS: 1" = 40'

	SHEET C4.4 QUANTITIES							
NO.	IMPROVEMENT TYPE	UNIT	QTY.	DETAIL	SHEET			
1	INSTALL 4" SOLID WHITE STRIPING PAINT (TYPE II WATER BORNE)	LF	-	C-5.4.2	D1.5			
2	INSTALL 6" SOLID WHITE STRIPING PAINT (TYPE II WATER BORNE)	LF	263	C-5.4.2	D1.5			
3	INSTALL 6" DOTTED (2'/4') WHITE STRIPING PAINT (TYPE II WATERBORNE)	LF	181	C-5.4.2	D1.5			
4	INSTALL 8" SOLID WHITE STRIPING PAINT (TYPE II WATER BORNE)	LF	329	C-5.4.2	D1.5			
5	INSTALL 8" DOTTED (2'/3') WHITE STRIPING PAINT (TYPE II WATERBORNE)	LF	87	C-5.4.2	D1.5			
6	INSTALL 4" DOUBLE SOLID YELLOW STRIPING PAINT (TYPE II WATER BORNE)	LF	204	C-5.4.2	D1.5			
7	INSTALL 4" DOUBLE SOLID & BROKEN (7'/21') YELLOW STRIPING PAINT (TYPE II WATER BORNE)	LF	90	C-5.4.2	D1.5			
8	INSTALL RED CURB PAINT (TYPE III WATER BORNE)	LF	_	-	-			
9	INSTALL 24" SOLID WHITE STOP BAR (TYPE WATERBORNE)	LF	35	C-300	D1.5			
10	INSTALL 2'x10' SOLID WHITE CROSS WALK KEY (TYPE II WATERBORNE)	LF	130	C-5.4.2.1	D1.5			
11	INSTALL YIELD TRIANGLES (TYPE II WATERBORNE)	EA	5	C-5.4.2.2	D1.5			
12	INSTALL PREFORMED BICYCLE LANE PAVEMENT MARKING (TYPE WATERBORNE)	EA	3	C-300	D1.5			
13	INSTALL PREFORMED WHITE DIRECTIONAL ARROW PAVEMENT MARKING (TYPE II WATERBORNE)	EA	6	C-300	D1.5			
14	INSTALL PREFORMED WHITE WORD LEGENDS (TYPE II WATERBORNE)	EA	-	C-300	D1.5			
15	INSTALL STANDARD ADDRESS ON CURB (TYPE II WATERBORNE)	EA	-	-	-			
16	REMOVE AND REPLACE EXISTING TRAFFIC SIGN AND/OR STREET SIGN, POST, AND PCC FOUNDATION	EA	1	C-5.4.1.1	D1.5			
17	INSTALL NEW TRAFFIC SIGN AND/OR STREET SIGN, POST, AND PCC FOUNDATION	EA	1	C-5.4.1.1	D1.5			

STRIPING AND SIGNAGE GENERAL NOTES

- RESTRIPE ALL PAVEMENT MARKINGS ON STREETS AS SHOWN WITH TWO COATS OF TRAFFIC PAINT AS REQUIRED. RED CURB SHALL BE PLACED WHERE EXISTING UNLESS OTHERWISE NOTED. REFER TO SHEET D1.5 FOR STRIPING DETAILS.
- WHITE STRIPING OUTSIDE OF SURFACE IMPROVEMENT LIMITS SHOWN BLACK FOR CLARITY.



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WINNIE LANE RECONSTRUCTION PROJECT STRIPING AND SIGNAGE SHEETS WINNIE LANE - STA 24+00 TO STA 27+50

BID SET
NOT FOR CONSTRUCTION
OCTOBER 2023

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

C4.4

DRAWN BY: DESIGNED BY: TDA AJG CHECKED BY: 10944.000 JOB NO.:

22x34 SHEETS: 1" = 20' 11x17 SHEETS: 1" = 40'

- ALL WORK SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (SSPWC) AND THE "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" (SSPWC) AS ADOPTED BY CARSON CITY. THE CONTRACTOR SHALL OBTAIN A PERMIT FOR PUBLIC WORKS CONSTRUCTION FROM THE CARSON CITY PERMIT CENTER PRIOR TO THE START OF CONSTRUCTION.
- ALL TRAFFIC CONTROL AND BARRICADING WITHIN THE CARSON CITY RIGHT-OF-WAY SHALL CONFORM TO SECTION 100.33, 332.04 AND 332.05 OF THE STANDARD SPCEFICATIONS, PART 6 OF THE MANUAL ON UNFORM TRAFFIC CONTROL DEVELOR, AND THE UNIT 2 CENTER, TEMPORARY TRAFFIC CONTROL GUELDINES LATEST EDITION. A TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CARSON CITY ENGINEERING DIMSON PRIOR TO ANY STREET COSUMES.
- THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT "CALL BEFORE YOU DIG" (811) OR 1-800-227-2600) AT LEAST TWO (2) WORKING DAYS PRIOR TO START OF CONSTRUCTION AND COMPLY WITH THE REQUIREMENTS OF NRS AND NAC 455 THROUGHOUT THE COURSE OF THE WORK, SEWER SERVICE LATERALS ARE NOT OWNED OR MARKED BY CARSON CITY.
- THE CONTRACTOR SHALL CALL THE CARSON CITY ENGINEERING DIVISION (887-2300) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CALL ONE (1) WORKING DAY PRIOR TO REQUIRED INSPECTIONS AND TESTING. HE REQUIRED INSPECTIONS AND TESTING, HE RECORD ISSUED WITH EACH PERMIT. THE CONTRACTOR MUST HAVE THE PERMIT NUMBER AND THE DESCRIPTION LISTED ON THE INSPECTION SHOULD REQUIRED INSPECTIONS AND TESTING, FOR CITY CONTRACTED PROJECTS, THE CONTRACTOR SHALL SCHEDULE INSPECTIONS PER THE CONTRACT DECOMENTS.
- FINAL INSPECTIONS WILL BE PERFORMED BY CARSON CITY ENGINEERING DIVISION ACCORDING TO THE CARSON CITY INSPECTIONS AND TESTING PROCEDURES NOTE: THESE PROCEDURES REQUIRE SUBMITTAL OF RECORD DEARING BY THE CONTRACTOR AND 10 MORNING DORS TO PREPARE A FINAL PUNCH LIST, ALL CONDITIONS OF THE FINAL MS-PECTION MUST BE COMPLETED PRIOR TO FINAL ACCEPTANCE OR ANY APPROVAL OF A CERTIFICATE OF OCCUPANCY BY THE CARSON CITY REMORERIES UNISABLE.
- MODIFICATIONS TO THE APPROVED PLANS REQUIRES REVIEW AND APPROVAL BY THE CARSON CITY ENGINEERING DIVISION. WORK PETGRIED WITHOUT WRITTEN APPROVAL BY CARSON CITY ENGINEERING WILL REQUIRE REMOVAL AT THE CONTRACTORS EXPENSE.
- THE APPROVED PLAN, PERMIT AND INSPECTION RECORD MUST BE ON THE JOB SITE AT ALL TIMES.
- THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR ACQUIRING A STORWMATER DISCHARGE REPMIT FROM THE NEMADA DIVISION OF ENWORMENTAL PROTECTION (MICEP) MICLIUMN DEVELOPING, SUBMITTING AND IMPLEMENTING A STORM WATER POLLUTION PERCENTION FLAN (SWPP). THE CONTRACTOR SHALL DEVELOP, PLACE AND MAINTAIN STORM WATER PROTECTION DEVICES IN COMPLIANCE WITH THE NEWADA CONTRACTORS FIELD GUIDE FOR CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (JUNE 2013).
- THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR LOCATING EXISTING UTUITES. IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO VERIFY THESE LOCATIONS AT THE PROPOSED POINTS OF CONNECTIONS AND IN AREAS OF POSSBLE CONTICUT WITH HEW UTUITLY INSTALLATION, PRIOR TO BEGINNING CONSTRUCTION. POINTOLING IS REQUIRED. SHOULD THE CONTRACTOR FIND ANY DISCREPANCIES BETWEEN THE CONDITIONS EXISTING IN THE FELD AND THE INFORMATION SHOWN ON THE CONSTRUCTION DRAWNGS, HE SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. Λ
- THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSEDE FOR THE CONDITIONS OF THE 40B STE. WILLIAMON STREET OF ALL PERSONS AND PROPERTY DIMENS PERSONANCE OF THE 60KM. THIS REQUIRESENT WILL ARRYLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL BE RESPONSEDE FOR THE DESION AND CONSTRUCTION OF PROPER SHORM OF TRENDES AN ACCORDANCE WITH OCCUPATIONAL SAFETY LAWS. THE DUTES OF THE ENGINEER DO NOT INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY IN, OR, OR NEAR THE CONSTRUCTION STATE OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY IN, OR, OR NEAR THE CONSTRUCTION STATE OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY IN, OR, OR NEAR THE CONSTRUCTION STATE OF THE ADEQUACY \triangle
- SHOULD IT APPEAR THAT THE WORK TO BE DONE, OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLANDED ON THE CONSTRUCTION PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY. Δ

NQ.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
71\	NOTE 10,11,12	9/17		CARSON CITY
				DRAWING NO.
			I GENERAL NOTES	C-1,1,1
APPRO	VED BY: 228	DATE SEP 2017		
				•

NO CONCRETE SHALL BE PLACED UNTIL FORMS AND SUBGRADE ARE INSPECTED AND APPROVED BY CARSON CITY PUBLIC WORKS.

PORTLAND CEMENT CONCRETE (P.C.C.) MUST HAVE THE FOLLOWING CHARACTERISTICS: SYNTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), 4000 PSI MIN COMPRESSIVE STRENGTH 9.20 ADYS, MIN 6 SACKS OF CEMENT PER CUBIC YARD), 4000 WITH A MAX WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% \$1.5%, SLUMP AT 1 TO 4 NICHES ALL MATERIALS MUST CONFORM TO SSPHC SECTION 202. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

IF OBSTRUCTIONS SUCH AS INLETS, UTILITY POLES, FIRE HYDRANTS, ETC. ARE ENCOUNTERED. THE LOCATION AND DIMENSIONS MAY BE ADJUSTED UPON APPROVAL BY CARSON CITY PUBLIC WORKS. A MINIMAM SURFACE OF A FEET LEAR BY RECOURSE DIMENSION DIRECTION OF TRAVEL MAY. CHANGE EXPECTED TO CHANGE, UNLESS OTHERWISE APPROVED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTION.

AGGREGATE BASE MUST BE TYPE 2, CLASS B AND SHALL CONFORM TO SEC.200.01. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).

NEW CONCRETE MUST BE TREATED WITH POLYCURE, 25% SOLIDS SOLVENT BASED CURE & SEAL (OR APPROVED EQUIAL) PROVIDED AND APPLIED PER MANUFACTURER'S RECOMMENDATIONS FOR USE AS A WATER RETENTION CURING COMPOUND. THE CURING COMPOUND MUST BE A SOLVENT BASED, COLORLESS, NON-YELLOWING COMPOUND, MEETING ASTM C 309, TYPE 1, CLASS B.

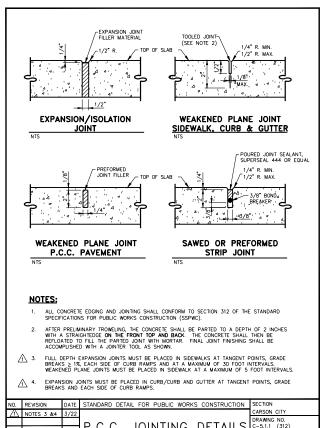
NEW CONCRETE MUST BE TREATED WITH BARACADE SILANE 100 C PENETRATING TREATMENT (OR APPROVED EQUIAL) PROVIDED AND APPLIED PER MANUFACTURERS RECOMMENDATIONS FOR USE AS AS ALT INHIBITOR. TIMENO OF THE TREATMENT MUST BE CONSISTENT WITH PECOMMENDATIONS FOR BOTH THE WATER CURRING COMPOUND AND THE MANUFACTURER OF THE PENETRATING TREATMENT MUST CONTRACTOR TO CONTRACT CITY'S INSPECTOR 24 HOURS PRIOR TO FIRST APPLICATION. INSPECTOR MUST BE PRESENT DURING FIRST APPLICATION.

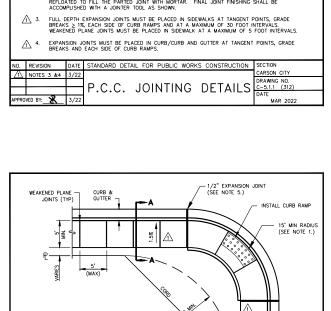
EXISTING UTILITY BOXES AND VALVE COVERS LOCATED IN NEWLY CONSTRUCTED OR RE-CONSTRUCTED SDEWALK AND DRIVEWAYS ARE TO BE REPLACED AND INSTALLED PER THE CARSON CITY STANDARD DETAILS. TRAFFIC SIGNAL AND DIERC POTTE PULL BOXES THAT CANNOT MEET THE REQUIREMENTS OF DETAIL C-5.6.1 SHALL BE RELOCATED OUTSIDE OF DRIVEWAY. IN ALL CASES THE DRIVEWAY MUST BE CONSTRUCTED SO THAT PULL BOXES AND GREST FROM THE FLORUME A MINIMUM OF 2'.

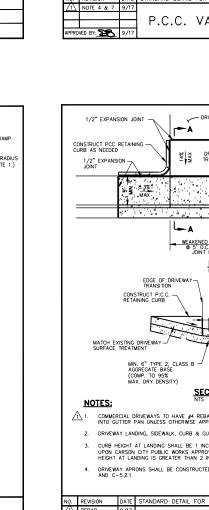
CONCRETE EDGING AND JOINTING MUST BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETA C-5.1.1 AND CONFORM TO SECTION 312 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSEWC).

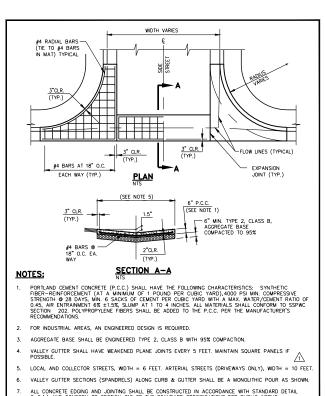
CONCRETE MUST BE REMOVED TO A NEAT SAWCUT LINE AT THE NEAREST CONTROL JOINT

NEW CONCRETE MUST HAVE A HEAVY BROOM FINISH PERPENDICULAR TO SIDEWALK



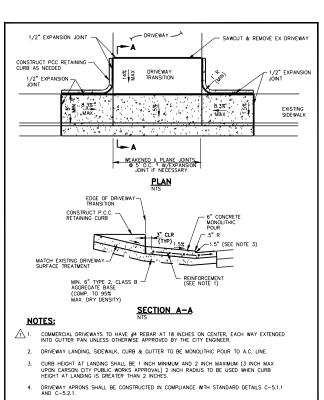




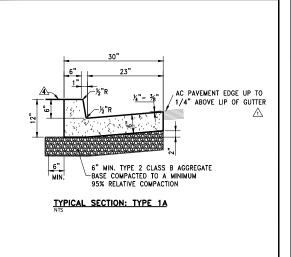


7.	ALL CONCRETE EDGING	AND JOINTING SHALL E	CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL	L
Λ	C-5.1.1 AND CONFORM	TO SECTION 312 OF TH	E STANDARD SPECIFICATIONS FOR PUBLIC WORKS	

NQ.	REVISION	DATE	STANDARD DETAI	FOR PUBLIC WO	RKS CONSTRUCTION	SECTION
/1\	NOTE 4 & 7	9/17				CARSON CITY
				V/ALLEV	CHITTED	DRAWING NO.
			7.6.6.	VALLEY	GUIIER	C-5.1.2 DATE
APPROVED BY: 28 9/17						SEP 20



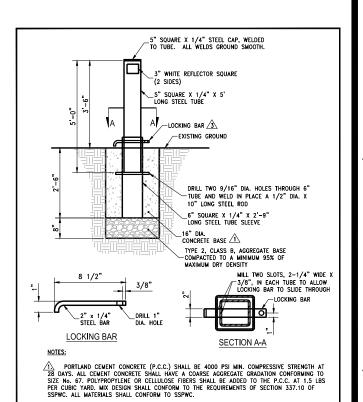
NQ.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONST	TRUCTION SECTION
/i\	REBAR	9/17		CARSON
			P.C.C. DRIVEWAY AP	RON IDRAWIN
			TVDE 1	C-5.2.3
APPRO	VED BY: SP	9/17	IYPE 1	DATE



- PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: SYMTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), 4000 PSI MIN COMPRESSIVE STERCHEN & 28 DAYS, MIN 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES ALL MATERAILS SHALL ONFORM TO SECTION 202 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- ALL CONGRETE CURB & GUTTER SHALL HAVE 1/2 INCH EXPANSION JOINTS AT ALL CURB RETURNS AND SHALL HAVE WEAKENED PLANE JOINTS EVERY 10 FEET. CONCRETE EDDING AND JOINTING SHALL BE CONSTRUCTIOED IN ACCORDANCE WITH STANDARD DETAILS C-5.1.1 AND C-5.1.3 AND CONFORM TO SECTION 312 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSEWIC).
- ALL AGGREGATE BASE SHALL BE TYPE 2, CLASS B AND CONFORM TO SECTION 200.01. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND SHALL BE MECHANICALLY COMPACTED 10 95% COMPACTION, IN CONFORMANCE WITH SECTION 308.05 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

4. CURB & GUTTER SHALL BE POURED SEPARATELY/NON-MONOLITHCALLY FROM SIDEWALK.





2. ALL WELDS AND BENDS SHALL BE SMOOTH, EVEN AND PAINTED.

LUMOS

3 CARSON CITY PUBLIC WORKS SHALL PROVIDE THE PADLOCK AND MAINTAIN THE KEYS.

REMOVABLE BOLLARD



950 SANDHILL ROAD, SUITE 100 TEL: 775.827.6111

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PROJE(DETAIL

RECONSTRUCTION IMPROVEMENT SHE LANE

WINNIE

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BID SET
FOR CONSTRUCTION
OCTOBER 2023

BAR IS 1 INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY

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DRAWN BY DESIGNED BY: CHECKED BY: JOB NO .: 10944.000

AJG

MAY 2023

Job No: 10944.000

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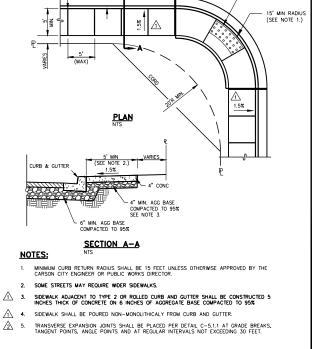
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DATE STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION SECTION SIDEWALK AND DRIVEWAY GENERAL NOTES

DRAWING NO

2 NOTE 5 1/2



NO. REVISION DATE STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION SECTION

TYPE "A" SIDEWALK

DRAWING NO.

- NO CONCRETE SHALL BE PLACED UNTIL FORMS AND SUBGRADE ARE INSPECTED BY CARSON CITY ENGINEERING DIVISION.

- WHEN A CROSSWALK IS SERVICED BY RAMP, LANDINGS SHALL BE CONTAINED WITHIN THE CROSSWALK AREA.
- 6. EXISTING CONCRETE SHALL BE REMOVED TO A NEAT SAWCUT LINE OR NEAREST EXPANSION JOINT
- PLANTMIX BITUMINOUS SURFACE SHALL BE FLUSH WITH THE EDGE OF THE GUTTER PAN IN THE AREA OF THE CURB RAMP. GUTTER SHALL MAINTAIN POSITIVE DRAINAGE TO PREVENT PONDING.
- ALL AGGREGATE BASE SHALL BE TYPE 2, CLASS B AND SHALL CONFORM TO SEC.200.01. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).

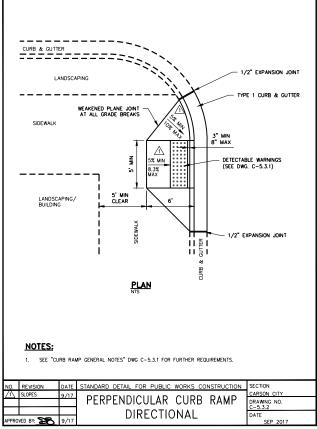
10. DETECTABLE WARNINGS SHALL BE:

EAST JORDAN IRON WORKS 7005/7006 SERIES CAST IRON DETECTABLE WARNING PLATES, TUFFILE ADA DETECTABLE WARNING PRODUCTS CAST IRON TILES OR APPROVED EQUAL.

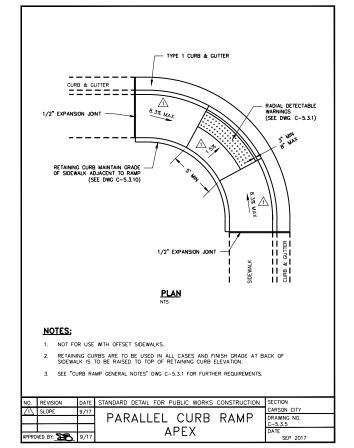
INSTALLED PER MANUFACTURERS INSTALLATION GUIDELINES AND CONFORM TO ADAAG (4.29)
"DETECTABLE WARNINGS" COLOR: ASPHALT DIPPED LINLESS OTHERWISE APPROVED BY CARSON CITY
FRONDERFOR OF PUBLIC WORKS DIRECTOR. RADIAL DETECTABLE WARNINGS SHALE BE USED WHEN
REQUIRED TO WAINTAIN MINIMUM CLEARANCE OF 3 INCHES AND MAXIMUM CLEARANCE OF 8 INCHES
FROM DETECTABLE WARNINGS TO BACK FACE OF CURB RADIAL DETECTABLE WARNINGS SHALL
HAVE A RADIUS WITHIN 5 FEET OF BACK FACE OF CURB RADIUS. TUTTLE DETECTABLE WARNINGS
SHALL HAVE A TYS" CAP AROUND THE PERMETER OF THE ENTRE ASSEMBLY OF TILES CREATED
WITH AN EDGING TROWEL DURING THE FINISHING OF THE CONCRETE TO ALLOW FOR TILE EXPANSION.

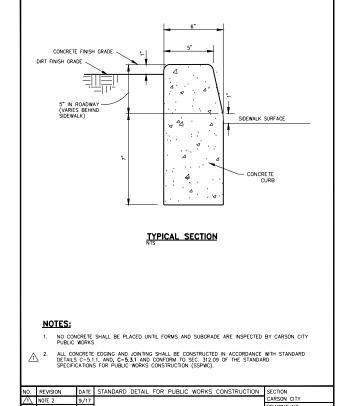
- 11. AC PAVEMENT EDGE SHALL BE FLUSH TO 1/4 INCH ABOVE THE LIP OF GUTTER
- 12. CURBS AND CURB AND GUTTER SHALL BE POURED NON-MONOLITHICALLY FROM RAMPS AND LANDINGS.
- LANDING CROSS SLOPES SHALL BE 1.5% MAXIMUM UNLESS OTHERWISE APPROVED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
Λì\	NOTE 10	1/21		CARSON CITY
				DRAWING NO.
_		 		C-5.3.1
		<u> </u>	I GENERAL NOTES	DATE
APPR0	VED BY: Ж	1/21	0211211112	IAN 2021

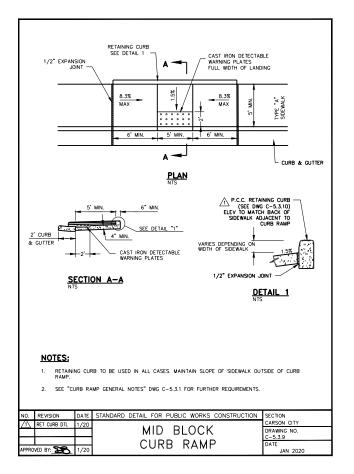


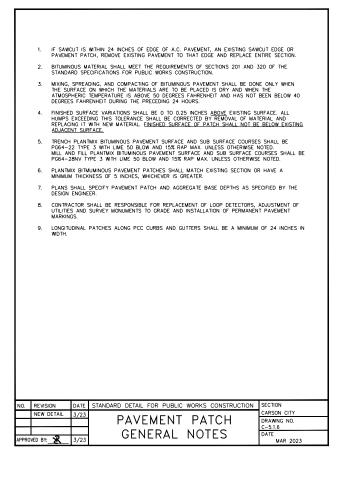
	I. SEE CO	KB KAN	MP GENERAL NOTES DWG C-5.3.1 FOR FURTHER REQUIREMENTS.	
	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
Ī	SLOPES	9/17	DEDDENDIQUI AD QUIDD DAVID	CARSON CITY
			PERPENDICULAR CURB RAMP	DRAWING NO. C-5.3.2
			DIRECTIONAL	DATE
0	VED BY: 25	9/17	DIKECTIONAL	SEP 2017

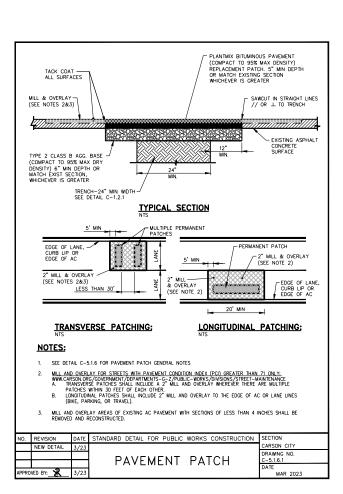


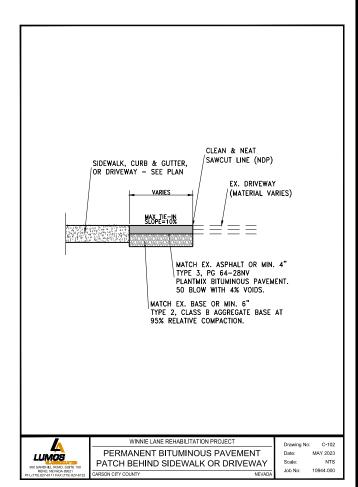


P.C.C. RETAINING CURB











RECONSTRUCTION PROJECT LANE WINNIE



DESIGNED BY: CHECKED BY:

DETAIL URFACE IMPROVEMENT

IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY

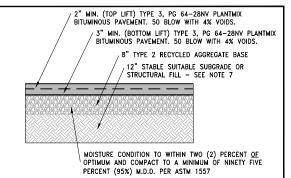
D1.1 DRAWN BY

AJG JOB NO.: 10944.000 PERCENT (95%) M.D.D. PER ASTM 1557

NOTES:

- REMOVE AND DISPOSE OF THE EXISTING COMPOSITE ROAD SECTION TO A DEPTH OF 13" THE EXISTING SUBGRADE SHALL BE SCARIFIED TO A DEPTH OF 12", MOISTURE CONDITIONED TO WITHIN 2% OF OPTIMIN AND RECOMPACTED TO A MINIMIN OF 90% RELATIVE COMPACTION
- PROOF-ROLLING SHALL BE PERFORMED TO IDENTIFY ANY PUMPING AND/OR YIELDING. EIGHT INCHES (8") AGGREGATE BASE MEETING THE REQUIREMENTS OF THE S.S.P.W.C. TYPE II CLASS B AGGREGATE BASE SPECIFICATIONS SHOULD BE COMPACTED TO AT LEAST NINETY-FIVE
- PERCENT (95%) OF THE LABORATORY M.D.D. (ASTM D1557 STANDARD). PLACE 5" OF ASPHALT BITUMINOUS PAYEMENT SHALL BE PLACED AND CONSIST OF TYPE 3 AGGREGATE PG64-28NV BINDER WITH 50 BLOW MARSHAI MIX TARGETING 4% AIR VOIDS ASPHALT PAVEMENT SHALL BE COMPACTED TO BETWEEN 92% AND 97% OF THE RICE THEORETICAL MAXIMUM DENSITY.
- FOR STREET WIDTHS SEE PLAN SHEETS.
- CONTRACTOR SHALL PROTECT IN PLACE ALL IMPROVEMENTS DESIGNATED FOR PROTECTION DURING REMOVAL ACTIVITIES AT NO DIRECT PAYMENT.
 CONTRACTOR SHALL BE ADVISED: IF SHALLOW UTILITIES ARE ENCOUNTERED FROM ROADWAY
- REMOVAL METHOD, THERE SHALL BE NO DIRECT PAYMENT FOR MODIFYING REMOVAL METHOD TO
- IF UNSUITABLE MATERIAL IS ENCOUNTERED, CONTRACTOR TO NOTIFY GEOTECHNICAL ENGINEER AND REFERENCE THE TYPICAL OVER-EXCAVATION SECTION.

OPTION 1 REMOVAL METHOD

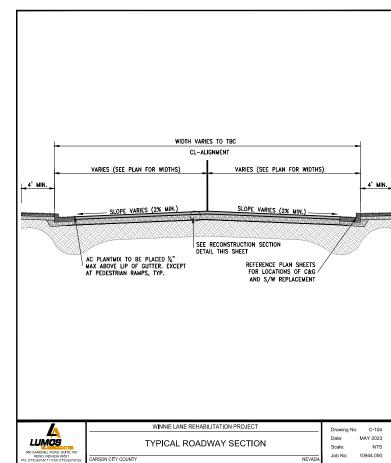


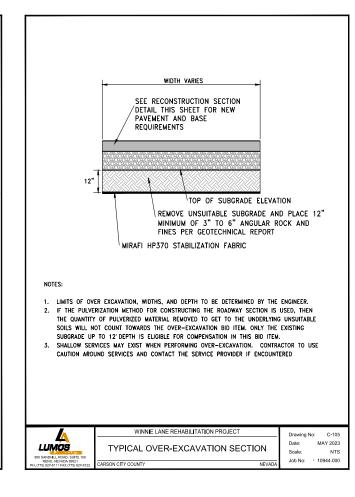
- PULVERIZE THE EXISTING COMPOSITE ROAD SECTION TO A DEPTH OF 13" PULVERIZED MATERIAL MAY BE REUSED AS AGGREGATE BASE PROVIDED IT MEETS THE REQUIREMENTS OF TYPE 2 RECYCLED AGGREGATE BASE. THIS MATERIAL, IF UTILIZED, SHALL BE RE-GRADED TO ACCOMMODATE 5" OF ASPHALT PAVEMENT. THE PULYERIZED MATERIALS SHALL BE MOISTURE CONDITIONING TO WITHIN 2% OF OPTIMUM, AND RECOMPACTED TO A MINIMUM 95% RELATIVE COMPACTION. PROOF-ROLLING SHALL BE PERFORMED TO IDENTIFY ANY PUMPING
- ONCE THE PULVERIZED SECTION IS GRADED AND COMPACTED TO ACCOMMODATE THE GRADES AND REMAINING PAYEMENT SECTION, PLACE 5" OF ASPHALT BITUMINOUS PAYEMENT SHALL BE PLACED AND CONSIST OF TYPE 3 AGGREGATE, PG64-28NV BINDER, WITH 50 BLOW MARSHAL MIX TARGETING 4% AIR VOIDS. ASPHALT PAVEMENT SHALL BE COMPACTED TO BETWEEN 92% AND 97% OF THE RICE THEORETICAL MAXIMUM DENSITY.
 FOR STREET WIDTHS SEE PLAN SHEETS.
- CONTRACTOR SHALL PROTECT IN PLACE ALL IMPROVEMENTS DESIGNATED FOR PROTECTION
- DURING PULVERIZATION ACTIVITIES AT NO DIRECT PAYMENT.
 CONTRACTOR SHALL BE ADVISED: IF SHALLOW UTILITIES ARE ENCOUNTERED FROM ROADWAY REMOVAL METHOD, THERE SHALL BE NO DIRECT PAYMENT FOR MODIFYING REMOVAL METHOD TO PROTECT UTILITIES.
- IF UNSUITABLE MATERIAL IS ENCOUNTERED, CONTRACTOR TO NOTIFY GEOTECHNICAL ENGINEER AND REFERENCE THE TYPICAL OVER-EXCAVATION SECTION.

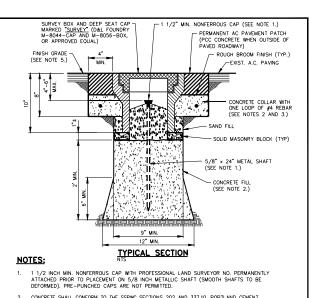
OPTION 2 - PULVERIZE METHOD



NOTES:

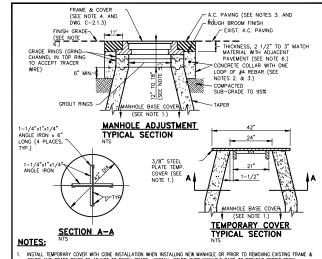






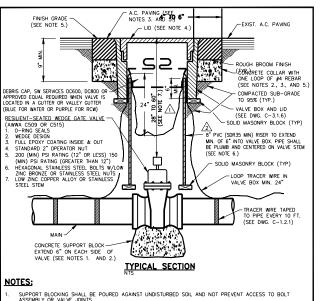
- CONCRETE SHALL CONFORM TO THE SSPWC SECTIONS 202 AND 337.10. PORTLAND CEMENT CONCRETE (P.C.C.) AND SHALL HAVE THE FOLLOWING CHARACTERISTICS. 4000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES.
- REBAR SHALL ONLY BE USED WHEN THE VALVE BOX IS LOCATED OUTSIDE PAVED AREAS.
- THE CONCRETE COLLAR SHALL BE LEFT 2 1/2 INCHES 3 INCHES BELOW FINISHED ASPHALT SUBFACE. APPLY AN APPROVED TACK COAT (CONFORMING TO THE SSPWC SECTION 316) AND FILL VOID BETWEEN ADJACENT PACEMENT AND FRAME WITH TYPE 7 BP 64-22 PAWING (CONFORMING TO THE SSPWC SECTION 320). APPLY FOG SEAL (CONFORMING TO THE SSPWC SECTION 317) TO THE ASPHALT SURFACE. ALL CLIST IN PAWING SHALL BE STRAIGHT AND EVEN. EXCEPTION: WHEN STRUCTURE NOT LOCATED IN ASPHALT PAVEMENT OR IN AN UNPAVED AREA, EXTEND CONCRETE TO FINISH GRADE.
- 5. LIDS SHALL BE SET FLUSH WITH FINISH GRADE UNLESS OTHERWISE NOTED.
- 6. WHEN LOCATED IN NDOT RIGHT-OF-WAY, CONCRETE COLLAR SHALL CONFORM TO NDOT STANDARD

	PLAN SHT R-4.3.3 AND STANDARD SPECIFICATION 609.					
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION		
/1\	DET NUMBER	3/22		CARSON CITY		
			CLASS "A"	DRAWING NO. C-5.1.10		
			I SHRVEY MONHMENT	DATE		
APPR0	VED BY: X	3/22	331(121 MONOMENT	MAR 2022		



- INSTALL TEMPORARY COVER WITH CONE INSTALLATION WHEN INSTALLING NEW MANHOLE OR PRIOR TO REMOVING EXISTING FRAME & COVER AND GRADE RINGS TO ADJUST TO FINISH GRADE. INSTALL COVER OVER WANHOLE BASE COVER PRICE DEBTORS FROM EXTENDING SENS SYSTEM. THE WANHOLE BASE COVER SHALL EN IN LACE PRIOR TO PERFORMING ANY ADJUSTMENTS OR GROUTING AND SHALL REMAIN IN PLACE WHILE ADJUSTMENTS OR GROUTING ARE BEING PERFORMED. REMOVE BASE COVER UPON ADJUSTMENT APPROVALE BY CARSON CITY.
- CONCRETE SHALL CONFORM TO THE SSPWC SECTION 202.01.12. REBAR SHALL BE USED ONLY WHEN THE MANHOLE IS LOCATED OUTSIDE PAYED AREAS.
- THE CONCRETE COLLAR SHALL BE LEFT 2 1/2 INCHES TO 3 INCHES BELOW FINISHED ASPHALT SURFACE. APPLY AN APPROVED TACK COAT (CONFORMING TO THE SSPWC SECTION 316) AND FILL VOID BETWEEN ADJACENT PAVEMENT AND FRAME WITH TYPE 3
- INSTALL NEW FRAME & COVER UNLESS OTHERWISE SHOWN ON THE PLANS OR SPECIAL CONDITIONS. FRAME & COVER SHALL BE SET FILISH WITH FINISH GRADE UNLESS OTHERWISE NOTED.
- FOR NEW MANHOLE INSTALLATIONS, DISTANCE FROM COVER TO CONE SHALL BE 12 INCHES MINIMUM AND 24 INCHES MAXIMUM. FOR ADJUSTING EXISTING FRAME & COVERS THE DISTANCE FROM COVER TO CONE SHALL NOT EXCEED 24 INCHES.
- WHEN LOCATED IN NDOT RICHT-OF-WAY, CONCRETE COLLAR SHALL CONFORM TO NDOT STANDARD PLAN SHT R-4.7.3 AND STANDARD SPECIFICATION 609.

NQ.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
<u>/1\</u>	RISER DEPTH	3/22		CARSON CITY
			MANHOLE FRAME & COVER	DRAWING NO.
			ADJUSTMENT	C-2.1.5 (204, 323) DATE
APPR0	VED BY: 🔏	3/22	ADJUSTMENT	MAR 2022



- SUPPORT BLOCKING SHALL BE POURED AGAINST UNDISTURBED SOIL AND NOT PREVENT ACCESS TO BOLT ASSEMBLY OR VALVE JOINTS.

 SUPPORT BLOCKING SHALL BE POURED AGAINST UNDISTURBED SOIL AND NOT PREVENT ACCESS TO BOLT ASSEMBLY OR VALVE JOINTS.

 CONCRETE SHALL CONFORM TO THE SSPWC SECTION 337.10. REBAR SHALL ONLY BE USED WHEN THE VALVE BOX IS LOCATED OUTSIDE PAYED AREAS.

 THE CONCRETE COLLAR SHALL BE LEFT 2 1/2 INCHES 3 INCHES BELOW FINISHED ASPHALT SURFACE. APPLY AN APPROVED TACK COAT (COMFORMING TO THE SSPWC SECTION 317) TO THE ASPHALT SURFACE. ALL CUTS IN PAYING SHALL BE STRAIGHT AND EVEN. EXCEPTION: WHEN STRUCTURE NOT LOCATED IN ASPHALT PAVEMENT OR IN AN UMPAVED AREA. EXTENDIO CONCRETE OF INHER OFFICE.

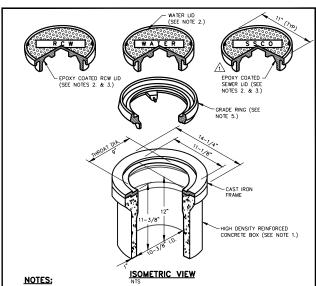
 LIDS SHALL BE STRAIGHT AND EVEN. EXCEPTION: WHEN STRUCTURE NOT LOCATED IN ASPHALT PAVEMENT OR IN AN UMPAVED AREA. EXTENDIO CONCRETE OF INHER OFFICE.

 LIDS SHALL BE STRAIGHT WITH FINISH GRADE UNLESS OTHERWISE NOTED.

 LIDS SHALL BE STRAIGHT WITH FINISH GRADE UNLESS OTHERWISE NOTED.

 LIDS SHALL BE STRAIGHT AND EVEN. EXCEPTION: WHEN STRUCTURE NOT I DOOT STANDARD PLAN SHEET R.—4.3.3 AND STANDARD SPECIFICATION GOOD. RECRETE COLLAR SHALL CONFORM TO NOTO STANDARD PLAN SHEET R.—4.3.5 AND STANDARD SPECIFICATION GOOD. RECRETE COLLAR SHALL BE USED AS NEEDED TO PAYER OF THE VALVES ON FIRE LINES SHALL BE USED SCIPICATION. HOW OF THE VALVE STANDARD SHALL BE USED AS NEEDED TO MAINTAIN A 28 INCH TO 60 INCH DEPTH FROM TOP OF VALVE CAN TO TOP OF OPERATOR NUT. VALVE STANDARD SHALL BE USED STANDARD SHALL BE USED SHALL

NQ.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
Z_1	STEM EXTEN	12/18		CARSON CITY
<u> 72</u>	8" RISER	8/19	CATE \/AL\/E	DRAWING NO.
		GATE VALVE	C-3.1.4 (203,307) DATE	
APP	ROVED BY: 28	8/19		AUG 2019



1. VALVE BOX AND LID SHALL BE H20 TRAFFIC RATED WITH A MINIMUM INSIDE DIAMETER OF 10 INCHES (CHRISTY G5 TRAFFIC VALVE BOX & LID).

. CAST IRON LID SHALL BE MARKED AT THE FACTORY "WATER" FOR WATER APPLICATIONS. "RCW" FOR RECLAIMED WATER APPLICATIONS, "SSFM" FOR SANITARY SEWER APPLICATIONS OR "SSCO" FOR SANITARY SEWER CLEANOUT APPLICATIONS.

FOR RECLAIMED WATER AND SANITARY SEWER APPLICATIONS, CAST IRON LID SHALL BE EPOXY COATED AT THE FACTORY, OR POWDER COATED, COLOR SHALL BE PURPLE FOR RECLAIMED WATER APPLICATIONS AND GREEN FOR SANITARY SEWER APPLICATIONS.

VALVE BOX SHALL BE SET OR ADJUSTED TO GRADE PER DRAWING NO. C-3.1.4, RISER FOR ADJUSTED VALVE BOX SHALL BE PER DRAWING NO. C-3.1.4 FOR OVERLAY ADJUSTMENTS, RISER WILL NOT REQUIRE REPLACEMENT OR EXTENSION IF IT EXTENDS A WINNIMUM OF Z MONEES NTO ADJUSTED VALVE BOX DRAWNING NOT STATEMENT OF THE PROPERTY OF THE PROPERT

5. GRADE RING IS NOT ALLOWED FOR NEW VALVE BOX INSTALLATIONS. CAST IRON GRADE RING (CHRISTY GS GRADE RING) MAY BE USED FOR OVERLAY ADJUSTMENTS WHEN OVERLAY DEPTH EQUALS THE GRADE RING DEPTH. NO MORE THAN ONE GRADE RING ALLOWED PER BOX.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
/1\	SEWER LIDS	3/22		CARSON CITY
			\/\I\/F DOV % IID	DRAWING NO.
			VALVE BUX & LID	C-3.1.6 (203,306,307) DATE
APPRO	VED BY: X	3/22		MAR 2022

950 SANDHILL ROAD, SUITE 100 TEL: 775.827.6111

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DETAIL

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FOR CONSTRUCTION
OCTOBER 2023 NOT

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DRAWN BY DESIGNED BY: TDA CHECKED BY: JOB NO.:

AJG 10944.000

- KING TAPE SHALL BE INSTALLED 12 INCHES ABOVE ALL STORM DRAIN PIPE. TAPE WIDTH SHALL INCHES: THICKNESS SHALL BE FOUR (4) MILL OR GREATER AND SHALL BE GREEN AND BEAR BE PRINTING BEOTOTING "CAUTION BURED STORM DRAIN LINE BELOW" OR FOUVIALENT WORDING.
- PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH @ 28 DAYS, (CUBB AND GUTTER TRANSITION ONLY, ALL UNEXPOSED CONCRETE MAY BE 30000 PSI) MIN. 6 SACKS OF CLEMENT PER CUBIC YARD WITH A MAX. WATER/CEMENT RATIO OF 0.45. AIR ENTRAINMENT 6% \$1.5%, SLUMP AT 1 TO 4 INCHES. ALL MATERIALS SHALL CONFORM TO SSPEW SECTION 202.
- 4. REINFORCING STEEL SHALL BE GRADE 40 AND HAVE 1.5 INCHES MINIMUM CLEAR COVER.
- EACH CATCH BASIN SHALL HAVE A 4 INCH ALUMINUM BLUE DISK WITH FISH IMAGE AND THE WORDS "NO DUMPING! DRAINS TO RIVER" (ALMETEK SD-4 OR APPROVED EQUAL) INSTALLED ON THE TOP OF THE CURR BOX.
- FRAMES AND GRATES SHALL BE MATCHED TO ACHIEVE A CLOSE TOLERANCE FIT, WITH MINIMAL GAPS, AS APPROVED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
- STORM DRAINAGE IMPROVEMENTS SHALL INCORPORATE WATER QUALITY AND EROSION CONTROLS IN ACCORDANCE WITH CARSON CITY DEVELOPMENT STANDARDS-DIVISION 13, "EROSION & SEDIMENT CONTROL".
- PRECAST MANHOLES SECTIONS, OTHER THAN GRADE RINGS, SHALL BE JOINED WITH FLEXIBLE PLASTIC GASKET MATERIAL SUCH AS RAM-NEK OR APPROVED EQUAL PER MANUFACTURERS RECOMMENDATIONS.
- TRACER WIRE SHALL BE ATTACHED TO ANY STORM DRAIN LATERAL WHICH IS NOT PERPENDICULAR TO THE STORM DRAIN MAIN.
- 10. MANHOUSE LOCATED OUTSDE PAYED AREAS SHALL REQUIRE ALL WEATHER ACCESS ROADWAY CONSISTING OF 6 INCHES TYPE 2, CLASS B AGGREGATE BASE (COMFORMING TO THE SSPWC SECTION 200.01.02) AND STORM DRAIN MANHOLE MARKERS BE INSTALLED. STORM DRAIN MANHOLE MARKERS SHALL BE. STORM DRAIN MANHOLE WARKERS SHALL BE. GREEN CARSONITE UTILITY MARKER (CUM 375). 5 FEET-2 INCHES (5'-2") WITH DECAL READING "STORM DRAIN MANHOLE". PLACE MARKERS ON LASSEMENT LINE. HEARREST TO MANHOLE OR AS DIRECTED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
- 11. MANHOLE CONCRETE COLLARS SHALL BE LEFT 2 1/2 INCHES TO 3 INCHES BELOW FINISHED ASPHALT SUBFACE. APPLY AN APPROVED TACK COAT (CONFORMING TO THE SSPIKE SECTION 316) AND FILL YOU BETWEEN ADJACENT PAXEMENT AND FRAME WITH TYPE 3 AC 20 PAYING (CONFORMING TO THE SSPIKE SECTION 320). APPLY FOG SEAL (CONFORMING TO SSPIKE SECTION 320). APPLY FOG SEAL (CONFORMING TO SSPIKE SECTION 317) TO THE ASPHALT SUBFACE. ALL CUITS IN PAYING SHALL BE STRAGITT AND EVEN. EXCEPTION: WHEN STRUCTURE NOT LOCATED IN ASPHALT PAYEMENT OR LOCATED IN AN UNPAYED AREA, EXTEND CONCRETE TO PHAN GRADE.
- GRATES SHALL BE PLACED OUTSIDE OF THE PEDESTRIAN TRAVELED WAY, GRATE OPENINGS SHALL NOT EXCEED 0.5 INCHES IN WIDTH OR 4 INCHES IN LENGTH, GRATES SHALL BE TRAFFIC RATED AND ADA COMPULANT.
- 13. THE MATERIAL AND SHAPE OF THE STORM DRAIN SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION". USE ROUND, ELLIPTICAL, SQUARE, OR RECTANGULAR REINFORCED CONCRETE PIPE (RCP) IN ACCORDANCE WITH ASTM C-789 OR C-850 UNDER ROADWAYS, DRIVEWAYS, AND OTHER TRAFFIC AREAS. RCP SHALL BE CLASS III (OR GREATER WHEN DESIGN DICTATES). OTHER PIPE MATERIALS MAY BE PERMITTED, AS APPROVED BY THE CITY FOR STORM DRAIN USE, EXCEPT FOR CORRUGATED METAL PIPE (CMP) WHICH ARE ONLY PERMITTED FOR RESIDENTIAL DRIVEWAY CULVERTS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
/1\	NOTE 13	3/22	OTOBLE DRAIN	CARSON CITY
			I STORM DRAIN	DRAWING NO.
			GENERAL NOTES	C-4.1.1
APPR0	VED BY: X	3/22	GENERAL NOTES	DATE MAR 2022

-NEW RCP PIPE

SECTION

1. FERNCO FLEXIBLE COUPLING MODEL #1004-2424 OR APPROVED EQUAL SHALL BE INSTALLED

CONTRACTOR TO VERIFY OUTSIDE DIAMETER OF EXISTING PIPE AND PROVIDE PROPER FLEXIBLE WATERTIGHT COUPLINGS. IF CIPP IS ENCOUNTERED, EPOXY LINER AT END OF PIPE.

3. CONTRACTOR TO FULLY ENCASE CONNECTION WHEN WITHIN 5' FROM A WATER SERVICE/MAIN.

FLEXIBLE WATERTIGHT COUPLING 12

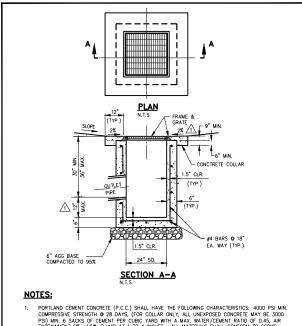
SPRING LINE

EXISTING CONCRETE OR OTHER MATERIAL

PLACE 6" THICK MIN.

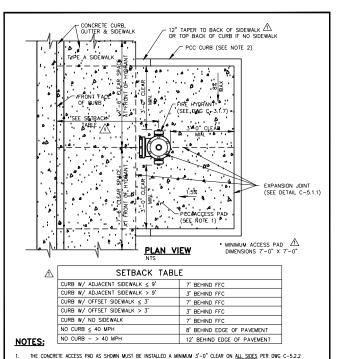
CONCRETE "PILLOW"

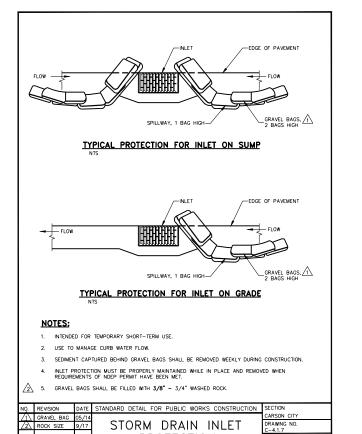
UNDER CONNECTION TO
SPRING LINE



- PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH Φ 28 DAYS, (FOR COLLAR ONLY, ALL UNEXPOSED CONCRETE MAY BE 3000 PS) MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAX WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% \pm 1.5%, SLUMP AT 1 TO 4 INCHES. ALL MATERIALS SHALL CONFORM TO SSPWC SECTION 202.
- 1 2. REINFORCING STEEL SHALL BE GRADE 40 AND HAVE A MINIMUM OF 1.5 INCHES CLEAR COVER.
- CONCRETE STRUCTURE MAY BE A PRE-CAST CONCRETE UNIT. BASE OF PRE-CAST CONCRETE UNIT SHALL BE PLACED ON 6 INCHES OF COMPACTED DRAIN ROCK.
- 4. FRAME & GRATE SHALL BE JENSEN ADA COMPLIANT FG2424H (SIZE VARIES) OR APPROVED EQUAL.
- 5. CATCH BASIN SHALL BE H20 TRAFFIC-RATED AND USED ONLY AT LOW POINTS IN ALLEYS OR PARKING

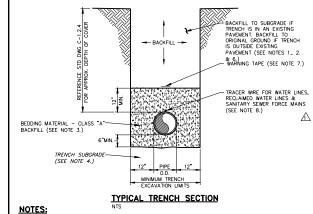
	AREAS.			
NQ.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
I 1 \setminus	OUTLET HEIGHT			CARSON CITY
	NOTE 2	9/17	CATCH BASIN	DRAWING NO. C-4.1.4
			TVDF 7 D	DATE
APPRO	VED BY: 25	9/17	TIPE 3-K	SEP 2017





STORM DRAIN INLET PROTECTION

GRAVEL BAG 05/14



- WATER DENSIFIED BACKFILL AND TUNNELING SHALL BE BY SPECIAL PROVISION ONLY.
- BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF CLASS E BACKFILL AS SPECIFIED IN SUBSECTION 200.03.06 OF THE SSPINC. MATERIAL SHALL BE PLACED IN LIFT THICKNESS SPECIFIED IN SUBSECTION 305.10 OF THE SSPINC AND DENSIFIED TO 90% RELATIVE COMPACTION PER ASTM DIS5T MODIFIED PROCTOR
- BEDDING SHALL CONFORM TO THE REQUIREMENTS OF CLASS A BACKFILL AS SPECIFIED IN SUBSECTION 200.03.02 OF THE SSPWC. MATERIAL SHALL BE DENSIFIED TO 90% RELATIVE COMPACTION PER ASTM D1557 MODIFIED PROCTOR.
- PLANS SHALL INCLUDE A DETAIL FOR SUBGRADE STABILIZATION INCLUDING BACKFILL MATERIAL, STRUCTURAL GEOTEXTILE FILTER FABRIC AND MODIFIED CUTOFF COLLARS WHEN POTENTIAL FOR UNSTABLE SUBGRADES EXIST, SUBJECT TO THE APPROVAL OF THE CARSON CITY ENRORER OR PUBLIC WORKS DIRECTOR.
- FOR TRENCHES IN ROADWAY SECTION, SEE PAVEMENT PATCH DETAIL (DWG. No. C-5.1.6).
- FOR THE PURPOSE OF PAYMENT; EXCAVATION AND BACKFILL QUANTITIES ARE BASED ON THESE STANDARD DRAWINGS, AND NO ADDITIONAL COMPENSATION WILL BE MADE. SHORING OR SLOPED CUT SLOPES MAY BE NECESSARY, BUT THERE WILL BE NO ADDITIONAL PAYMENT. ALL EXCAVATIONS SHALL COMFORM TO THE LATEST O.S.H.A. REQUIREMENTS.
- . PLACE WARNING TAPE 1 FOOT ABOVE ALL BURIED PIPES AND CONDUITS.
- TRACER WIRE SHALL BE 12 GAUGE (MINIMUM THICKNESS) INSULATED SOLID COPPER WIRE. INSULATION SHALL BE 30 MIL MOPE. PLANS SHALL SPECIFY WIRE STRENOTH AND INSULATION THICKNESS FOR BORNING APPLICATIONS. SPLICES SHALL BE CONNECTED BY WIRE NUTS, SEALED WITH ADUD A SEAL OR SILICON FILLED, AND DOUBLE WARPED WITH UPL LISTED LEICHTCAL TAPE. TRACER WIRE COLOR SHALL BE, BULLEFOR WAITER, PURPLE FOR RECLAIMED WATER, GREEN FOR SANITARY SEWER FORCE MAINS AND YELLOW FOR ELECTRICAL OR FIBER OFFICE.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
Δ	REMOVE SEWER	3/22	TDENICH EVOAVATION	CARSON CITY DRAWING NO.
			TRENCH EXCAVATION	C-1.2.1 (305)
APPR0	VED BY: 🔀	3/22	AND BACKFILL	DATE MAR 2022



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PROJEC

WINNIE

RECONSTRUCTION DETAIL SHEETS DETAIL

DRAIN STORM LANE

BID SET FOR CONSTRUCTION OCTOBER 2023

NOT

BAR IS 1 INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

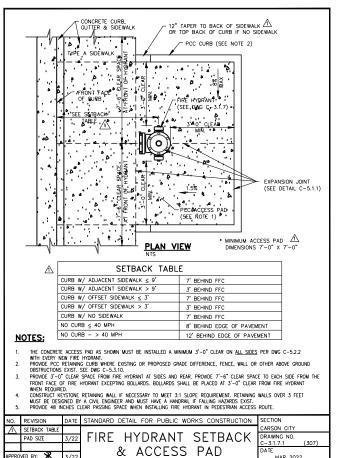
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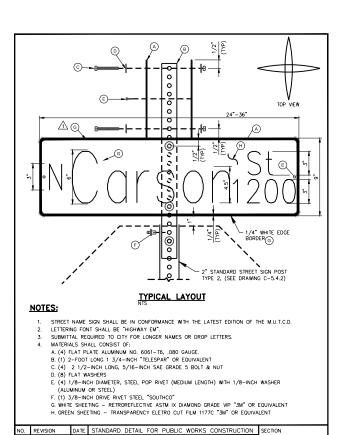
DRAWN BY: DESIGNED BY: TDA CHECKED BY: AJG JOB NO.: 10944.000



NOTES:

EXISTING PIPE TO NEW PVC LUMOS PIPE CONNECTION Scale: NTS

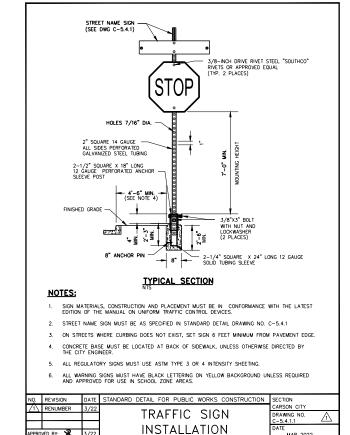


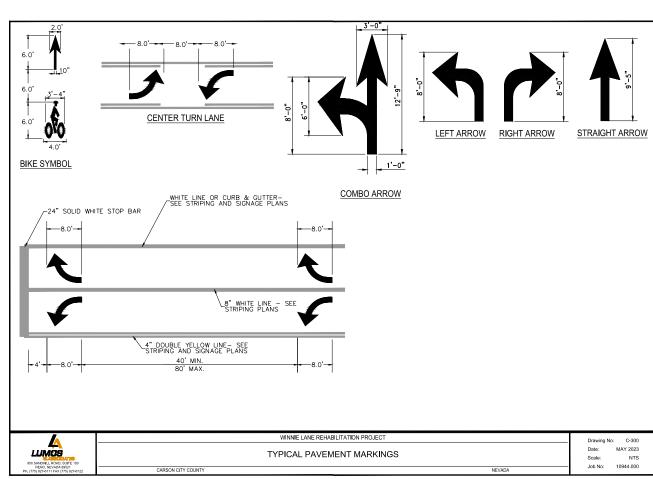


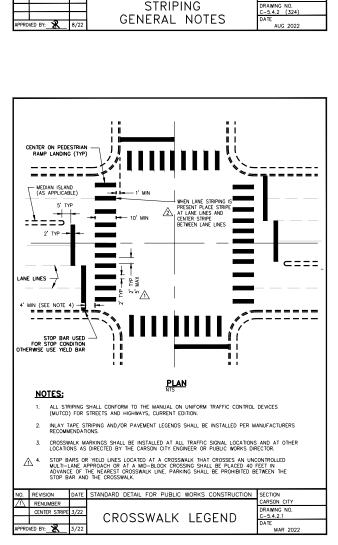
STREET NAME SIGN

AND MOUNTING

ORAWING NO. C-5.4.1







PAYEMENT MARKINGS MUST CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICE (MUTCD) FOR STREETS AND HIGHWAYS, CURRENT CONTROL STRENG MARERIAS AND APPLICATION MUST CONFORM TO CARSON CITY TECHNICAL SPECIALISMS AS WHAT AND APPLICATIONS FOR PUBLIC WORKS CONSTRUCTION. PAREMENT MARKINGS MUST BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE TRAFFIC REPORT, OR AS REQUIRED BY THE APPROVED IMPROVEMENT PLANS.

. BEFORE ANY NEW PUBLIC OR PRIVATE ROAD, PAVED DETOUR, OR TEMPORARY ROUTE IS OPENED TO PUBLIC TRAVEL, ALL NECESSARY MARKINGS MUST BE IN PLACE.

5. INLAY TAPE STRIPING AND/OR PAVEMENT LEGENDS MUST BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS. TEMPORARY STRIPING OR REFLECTIVE FLEXIBLE ROAD TABS MUST BE USED TO DELINEATE STRIPING BETWEEN THE TIME OF PLACEMENT OF PAYMENT/SULPRY TO THE FIRST APPLICATION OF PAINT, STRIPING MUST BE SCHEDULED AT A REASONABLE TIME (I.E. ACCOUNTS FOR WEATHER, CONSTRUCTION HARFEC ON NEW PAINT, LIONE TERM PERFORMANCE,

ETC.) AND AT THE APPROVAL OF THE ENGINEER, STRIPING MUST BE IN LIKE NEW CONDITION WITH ACCEPTABLE DELINEATION AND REFLECTIVITY AT THE COMPLETION OF THE PROJECT.

7. RAPID DRY WAITEBORNE TRAFFIC PAINT MIST BE USED. THE APPLICATION OF THE PAINT IS AS FOLLOWS:

A. APPLY PAINT TO AN APPROVED CLAN AND DRY SUFFACE.

B. NEW STRIBE-PAINT IS TO BE APPLIED IN TWO APPLICATIONS WITH THE FIRST BEING A SEAL COAT APPLIED AT A MINMAIM OF 48 HOURS AFTER PAING/SURRY AND THE SECOND COAT BETWEEN 10-30 DAYS AFTER APPLICATION OF THE FIRST COAT FER MANUFACTURERS SPECIFICATIONS.

C. EXISTING STRIPE-PAINT IS TO BE APPLIED IN ONE APPLICATION PER MANUFACTURERS SPECIFICATIONS.

A MINIMUM OF ONE (1) INSPECTION IS REQUIRED UPON COMPLETION OF THE FINAL FINISHED SURFACE. INSPECT TO ENSURE THAT PAVENENT STREPHIC AND MARKINGS ARE IN CONFORMANCE WITH PROJECT PLANS AND SPECIFICATIONS FOR MARKING MATERIAL, LAVOUT AND ALIGNMENT!

DIMENSIONS AND THE PLACEMENT OF ARROWS, SYMBOLS, AND TEXT ARE TYPICAL AND SHALL APPLY UNLESS OTHER INDICATED IN THE CONTRACT DOCUMENTS. ANY STREET STRIPING DIFFERENT FROM CARSON CITY STANDARD DETAILS MUST BE APPROVED BY THE CITY ENGINEER
PRIOR TO INSTALLATION.

11. LONG LINE STRIPING MEASUREMENTS:

DOUBLE SOLD YELLOW: TWO 4 INCH STRIPES SEPARATED BY A 4 INCH CAP.

BROKEN TELLOW/MEMILE.

WHEN THE POSITIO SPEED LIMIT IS LESS THAN OR EQUAL TO 40 MPH, STRIPE SHALL BE 4 INCHES WIDE WITH A LENGTH OF 7 FEET SEPARATED BY A 21 FOOT CAP.

WHEN THE POSITIO SPEED LIMIT IS GREATER THAN 40 MPH, STRIPE SHALL BE 6 INCHES WIDE WITH A LENGTH OF THE PRESET SEPARATED BY A 30 MPH, CONTROLLED SHALL BE 6 INCHES WIDE WITH A LENGTH OF THE PRESET SEPARATED BY A 30 MPH, CONTROLLED SHALL BE 6 INCHES WIDE WITH A LENGTH OF THE PRESET SEPARATED BY A 30 MPH, STRIPE SHALL BE 6 INCHES WIDE WITH A LENGTH OF THE PRESET SEPARATED BY A 30 MPH, STRIPE SHALL BE 6 INCHES WIDE WITH A LENGTH OF THE PRESET SEPARATED BY A 30 MPH, STRIPE SHALL BY THE CONTROLLED BY THE BY T

BROKEN/SOLID YELLOW TWO-WAY LEFT TURN LANE: 4 INCH SOLID STRIPE WITH 4 INCH GAP BETWEEN 4 INCH BROKEN STRIPE - SPACING TO MATCH THE BROKEN YELLOW DIMENSIONS

BROKEN STRIPE — SPACING TO MATCH THE BROKEN YELLOW DIMENSIONS
SOLO MHITE EDGE:

4 INCHES IF NO BIKE LANES OR WHEN THE POSTED SPEED LIMIT IS LESS THAN OR EQUAL TO 40 MPH
6 INCHES FOR ALL BIKE LANES OR FOR ROADS WHEN THE POSTED SPEED LIMIT IS GREATER THAN 40 MPH
SOLID WHITE TURN POCKETS:

8 INCHES WIDE WHEN THE POSTED SPEED LIMIT IS LESS THAN OR EQUAL TO 40 MPH
10 INCHES WIDE WHEN THE POSTED SPEED LIMIT IS GREATER THAN 40 MPH

LLU MILLI SLIBERS.).

LAME DROP (TRAP) MARKINGS –3 FOOT STRIPE WITH 9 FOOT GAP – 6 INCH WIDTH

MERGE OR TAPER LANES –2 FOOT STRIPE WITH 4 FOOT GAP – MATCH ADJACENT STRIPE WIDTH

MIRESECTION EXTENSIONS –2 FOOT STRIPE WITH 6 FOOT GAP – MATCH EXTENDED STRIPE WIDTH

BIKE LANES AT INTERSECTIONS – 2 FOOT STRIPE WITH 3 FOOT GAP – 6 INCH WIDTH

STRIPING

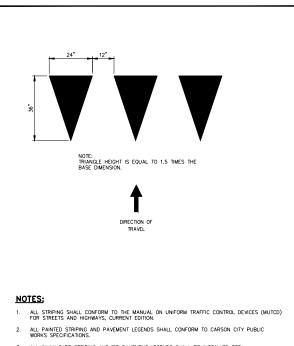
CARSON CIT

ALTERNATE LAYOUTS SHALL HAVE SIMILAR 1:3 RATIO AS APPROVED BY THE CITY ENGINEER.

3. PAVEMENT MARKINGS MUST BE INCLUDED IN THE IMPROVEMENT PLANS.

DOTTED WHITE STRIPES:

NO. REVISION



- ALL INLAY TAPE STRIPING AND/OR PAVEMENT LEGENDS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
- 4. YIELD LINE TO BE INSTALLED FROM EDGE OF LANE TO EDGE OF PAVEMENT OR LIP OF CURB.
- SEE STANDARD DETAIL C-5.4.2.1 FOR YIELD LINE PLACEMENT.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
<u>/1\</u>	RENUMBER			CARSON CITY
	NOTE 5	3/22	VIELD LINE LAVOUT	DRAWING NO. C-5.4.2.2
			TIELD LINE LATOUT	DATE
APPROVED BY: X 3/22		3/22		MAR 2022

950 SANDHILL ROAD, SUITE 100 TEL: 775.827.6111

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DETAIL

DRAIN

STORM

PROJEC-

RECONSTRUCTION DETAIL SHEETS LANE WINNIE

> BID SET T FOR CONSTRUCTION OCTOBER 2023 NOT

BAR IS 1 INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY

D1.4

DRAWN BY: DESIGNED BY: TDA CHECKED BY: AJG JOB NO.: 10944.000

