

CARSON CITY PUBLIC WORKS

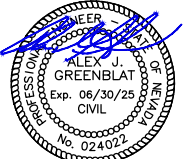
WINNIE LANE RECONSTRUCTION PROJECT

OCTOBER 2023



950 SANDHILL ROAD, SUITE 100
RENO, NV 89521
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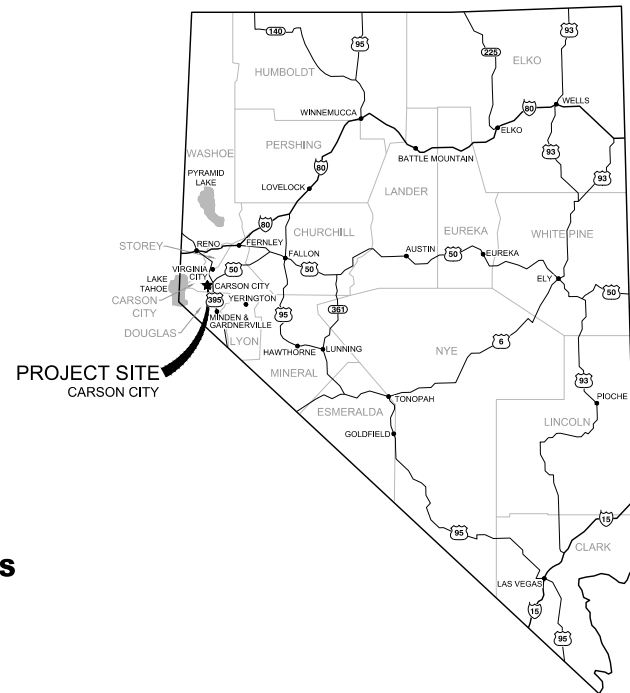
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- LISA SCHUETTE, SUPERVISOR WARD 4**



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CARSON CITY PUBLIC WORKS
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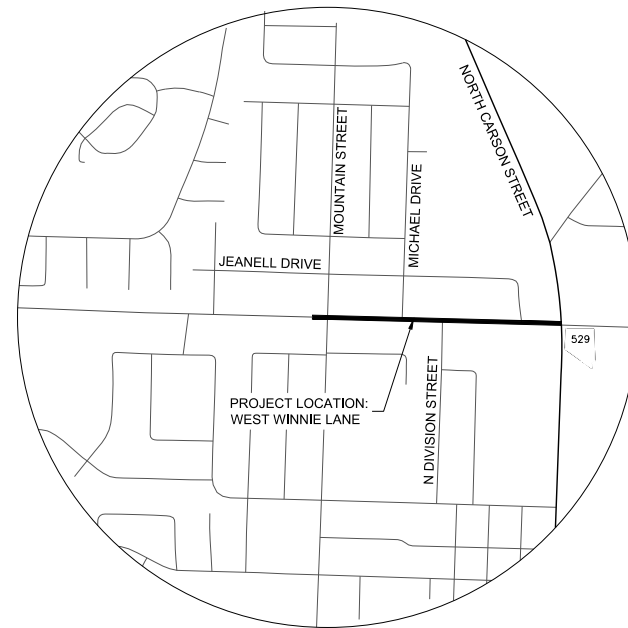
ENGINEER
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RENO, NEVADA 89521
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LOCATION MAP



N.T.S.



VICINITY MAP

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CARSON CITY PUBLIC WORKS
WINNIE LANE RECONSTRUCTION PROJECT
TITLE SHEET
CARSON CITY NEVADA

REV	DATE	DESCRIPTION

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C1.0

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



Know what's below.
Call before you dig.

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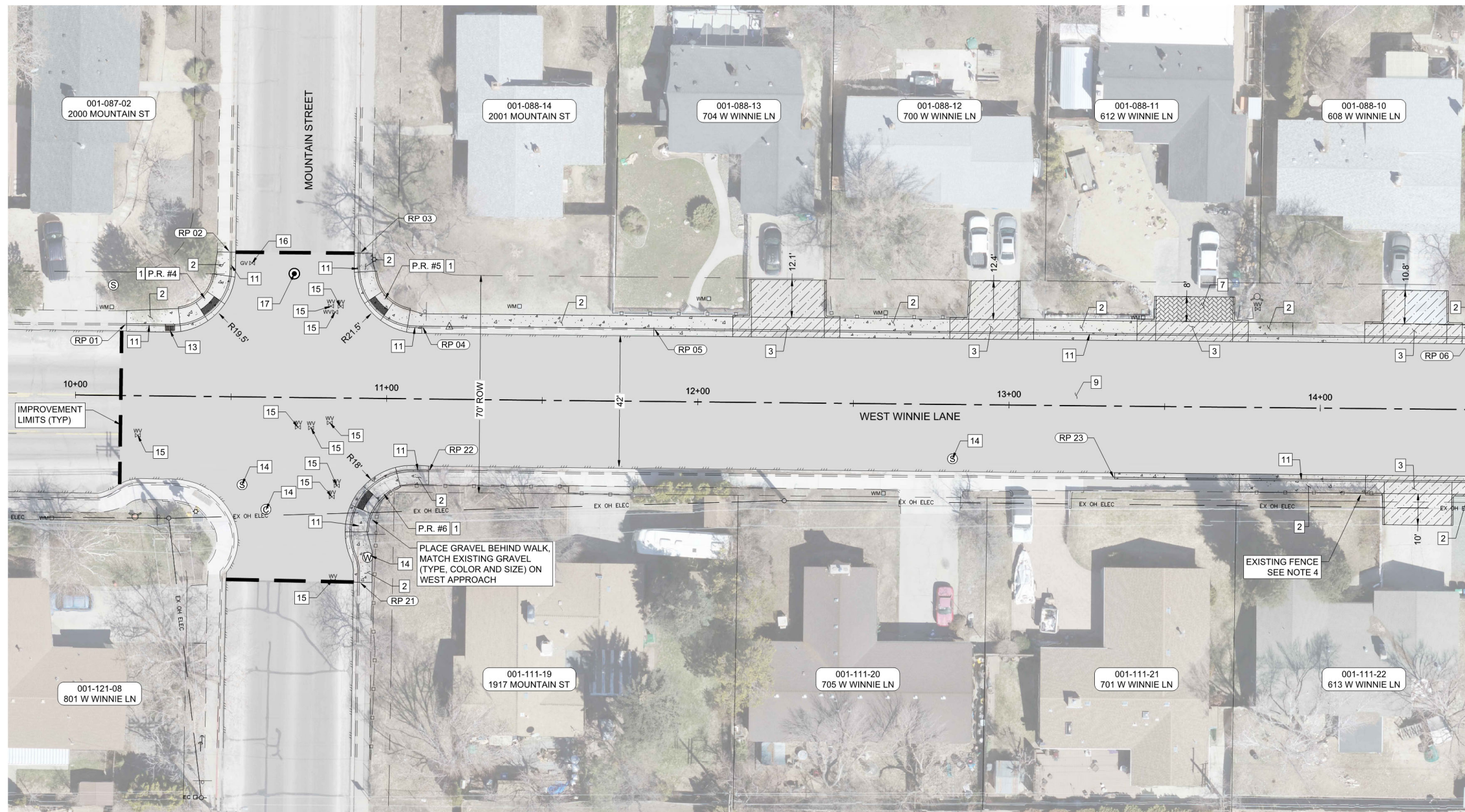


CARSON CITY PUBLIC WORKS

**WINNIE LANE RECONSTRUCTION PROJECT
SURFACE IMPROVEMENT SHEETS**

WINNIE LANE - STA 10+00 TO STA 14+50

CARSON CITY, NEVADA



MATCH LINE STA 14+50 - SEE SHEET C2.2

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	-	- -

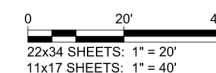
IMPROVEMENT LEGEND

- 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

- 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 QUANTITIES.
- PROTECT ALL EXISTING STRUCTURES, TREES, UTILITIES, FENCING, BOXES, POLE, ETC. IN PLACE UNLESS NOTED OTHERWISE. IF DAMAGE IS CAUSED 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.
- 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.
- MISCELLANEOUS SIDEWALK REPLACEMENT LIMITS WILL BE PAINTED IN THE FIELD BY THE CONSTRUCTION MANAGER.
- 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



REV.	DATE	DESCRIPTION	BY

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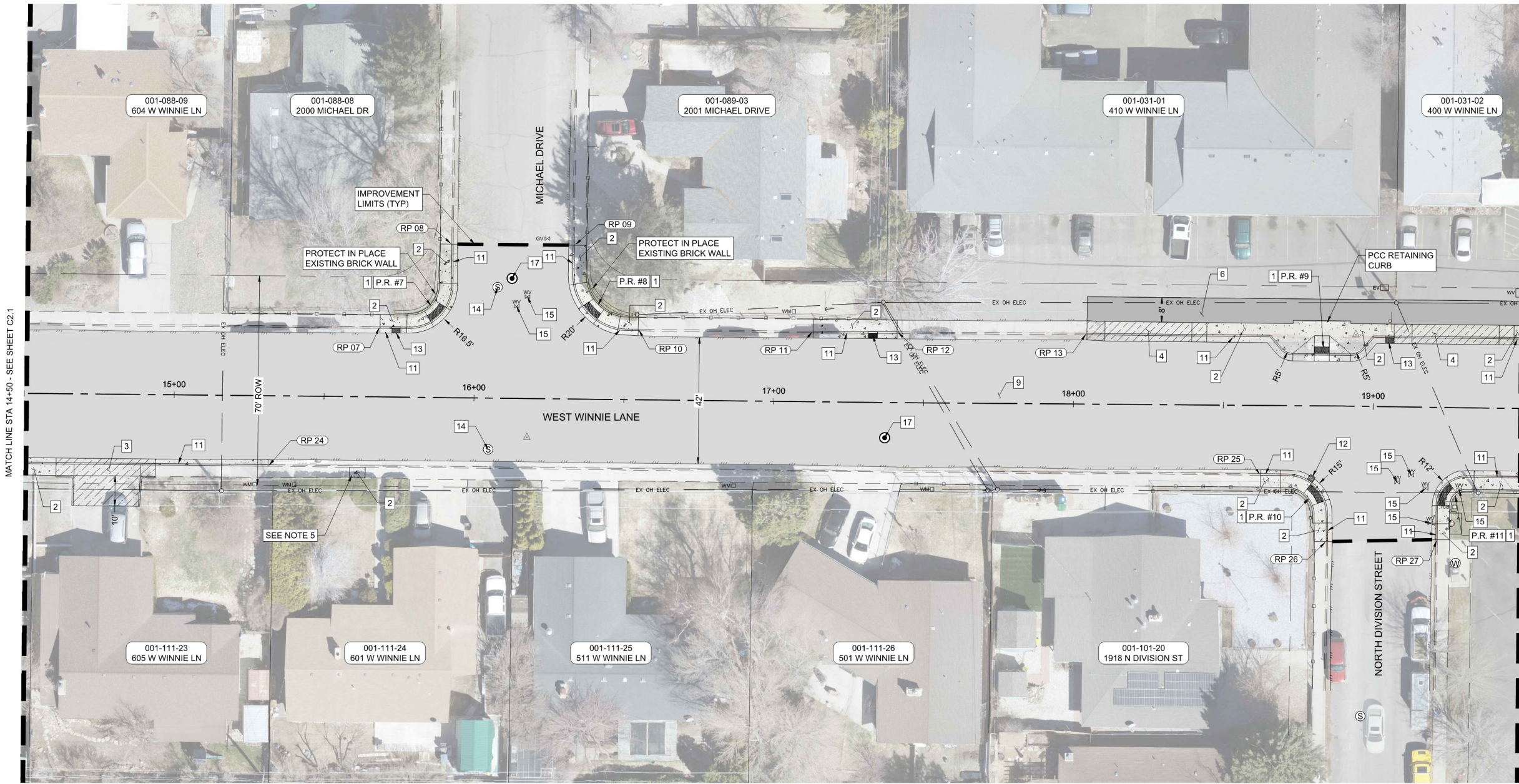
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C2.1

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



CARSON CITY PUBLIC WORKS
WINNIE LANE RECONSTRUCTION PROJECT
SURFACE IMPROVEMENT SHEETS
WINNIE LANE - STA 14+50 TO STA 19+50
NEVADA
CARSON CITY



MATCH LINE STA 14+50 - SEE SHEET C2.1

MATCH LINE STA 19+50 - SEE SHEET C2.3

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	-	-	-

IMPROVEMENT LEGEND

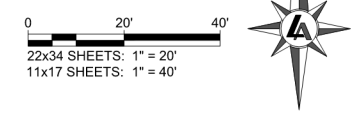
- AC RECONSTRUCTION SECTION
- AC DRIVEWAY TRANSITION
- PERMANENT PAVEMENT PATCH
- PCC SIDEWALK
- PCC COMMERCIAL DRIVEWAY APRON
- PCC RESIDENTIAL DRIVEWAY APRON
- PCC DRIVEWAY TRANSITION
- PAVERS
- TYPE 1A PCC CURB AND GUTTER

SURFACE IMPROVEMENT NOTES

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REFERENCE POINT (RP) TABLE

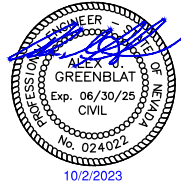
POINT #	STATION / OFFSET	DESCRIPTION
RP 07	"W" 15+68.43, -23.37 LT	BEGIN CURB / SW
RP 08	"W" 15+92.02, -51.18 LT	END CURB / SW
RP 09	"W" 16+32.97, -51.27 LT	BEGIN CURB / SW
RP 10	"W" 16+54.51, -23.52 LT	END CURB / SW
RP 11	"W" 17+12.88, -23.51 LT	BEGIN CURB / SW
RP 12	"W" 17+40.99, -23.60 LT	END CURB / SW
RP 13	"W" 18+04.30, -23.61 LT	BEGIN CURB / SW
RP 24	"W" 15+31.53, 23.47 RT	END CURB
RP 25	"W" 18+62.55, 23.47 RT	BEGIN CURB / SW
RP 26	"W" 18+84.67, 45.34 RT	END CURB / SW
RP 27	"W" 19+22.04, 44.21 RT	BEGIN CURB / SW



REV	DATE	DESCRIPTION	BY

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

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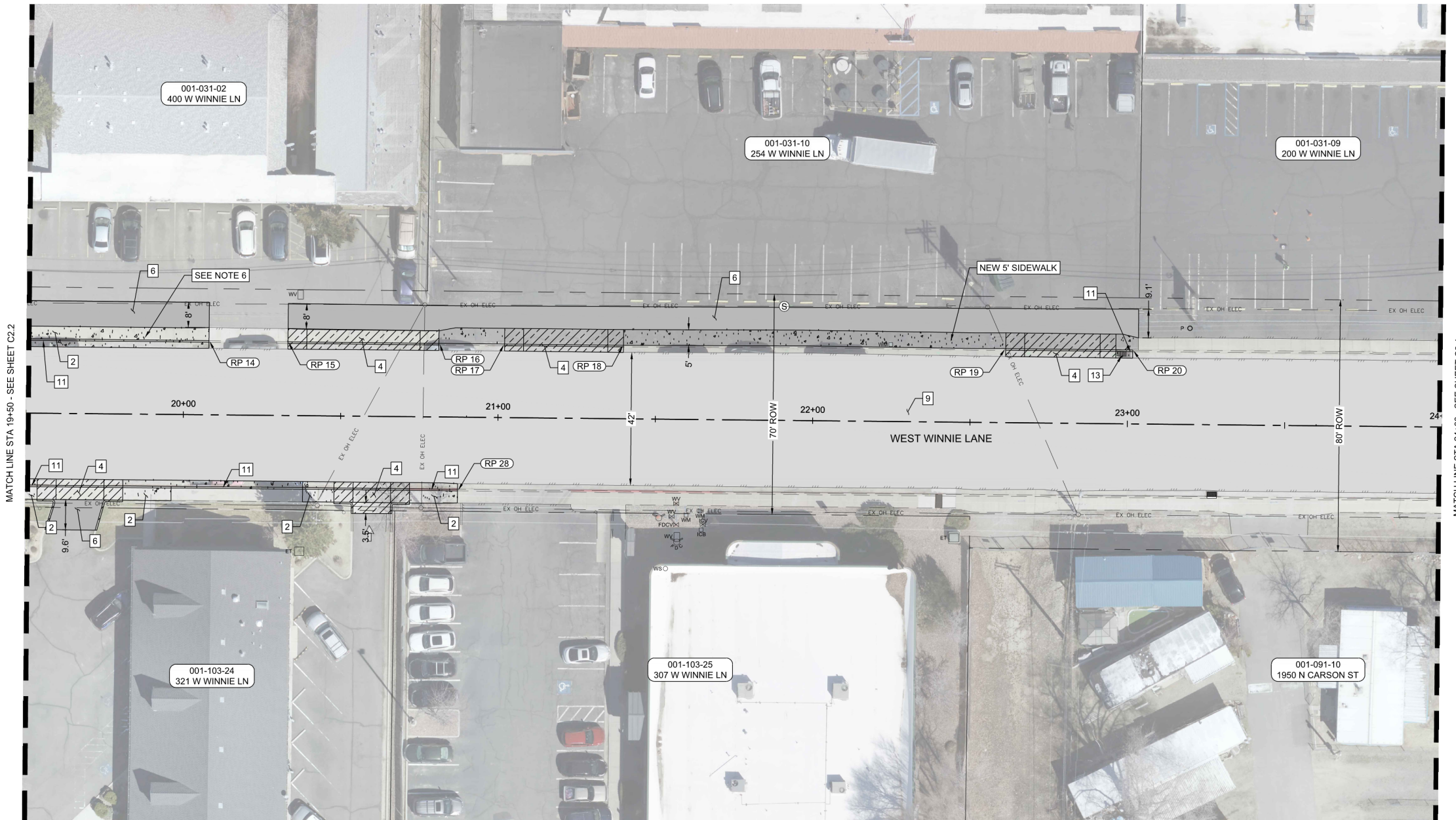


CARSON CITY PUBLIC WORKS

**WINNIE LANE RECONSTRUCTION PROJECT
SURFACE IMPROVEMENT SHEETS**

WINNIE LANE - STA 19+50 TO STA 24+00

CARSON CITY NEVADA

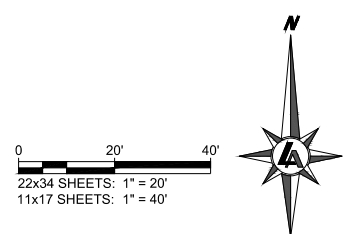


SHEET C2.3 QUANTITIES				
NO.	IMPROVEMENT TYPE	UNIT	QTY.	DETAIL SHEET
1	REMOVE AND REPLACE PCC ADA PEDESTRIAN RAMP	EA	-	C-5.3 D1.1
2	REMOVE AND REPLACE PCC SIDEWALK	SF	1,152	C-5.2.2 D1.0
3	REMOVE AND REPLACE PCC RESIDENTIAL DRIVEWAY & DRIVEWAY APRON	SF	-	C-5.2.3 D1.0
4	REMOVE AND REPLACE PCC COMMERCIAL 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	-	- -

IMPROVEMENT LEGEND	
	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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 - 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



REV.	DATE	DESCRIPTION

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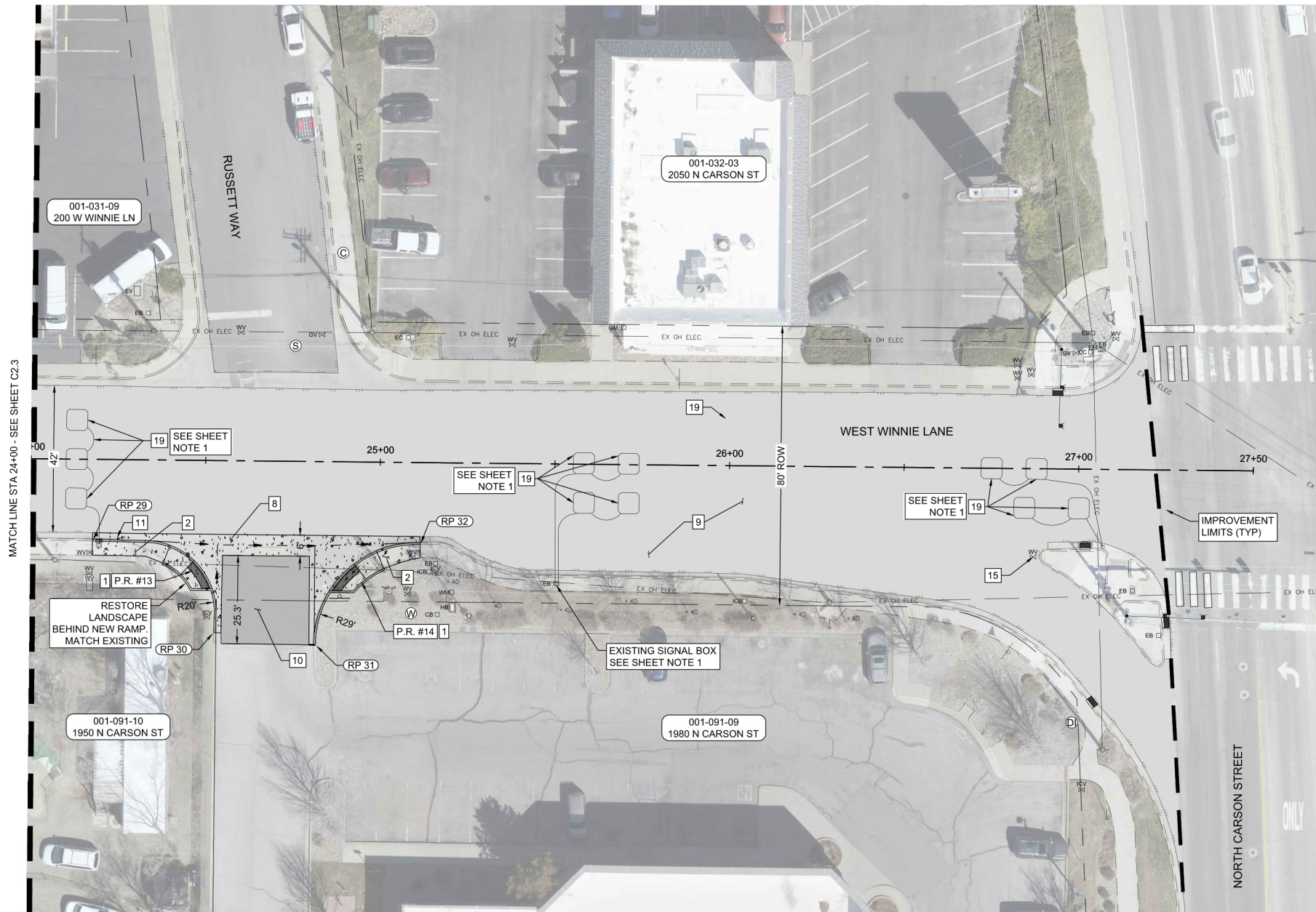
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CARSON CITY PUBLIC WORKS
WINNIE LANE RECONSTRUCTION PROJECT
SURFACE IMPROVEMENT SHEETS
WINNIE LANE - STA 24+00 TO STA 27+50
NEVADA
CARSON CITY



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	- -

IMPROVEMENT LEGEND

- 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

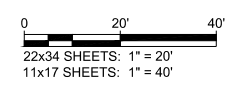
SURFACE IMPROVEMENT NOTES

- 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 QUANTITIES.
- PROTECT ALL EXISTING STRUCTURES, TREES, UTILITIES, FENCING, BOXES, POLE, ETC. IN PLACE UNLESS NOTED OTHERWISE. IF DAMAGE IS CAUSED 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.
- 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.
- MISCELLANEOUS SIDEWALK REPLACEMENT LIMITS WILL BE PAINTED IN THE FIELD BY THE CONSTRUCTION MANAGER.
- 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.

REFERENCE POINT (RP) TABLE		
POINT #	STATION / OFFSET	DESCRIPTION
RP 29	"W" 24+17.77, 23.40 RT	BEGIN CURB / SW
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



REV.	DATE	DESCRIPTION	BY

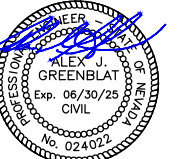
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

C2.4

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

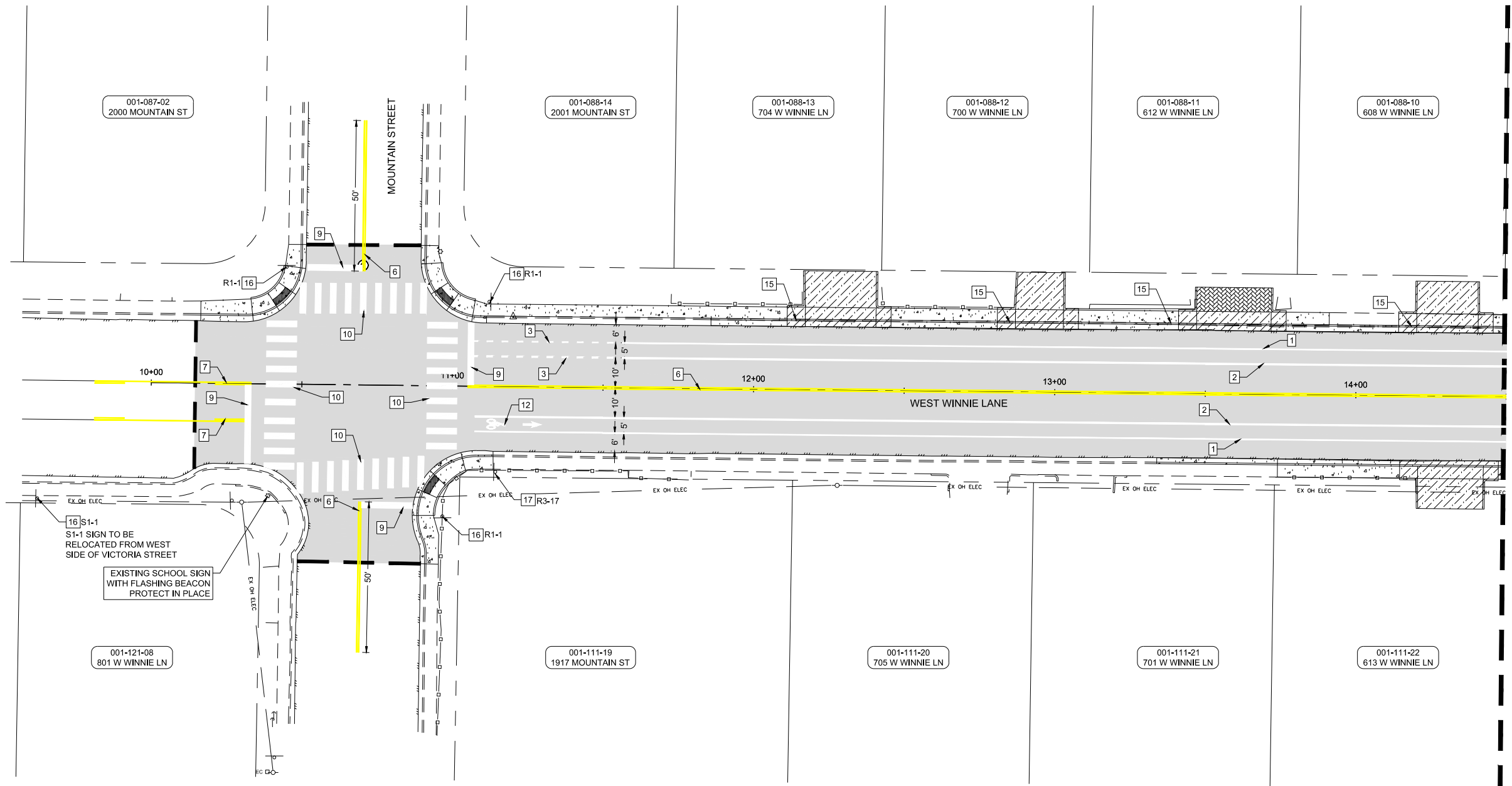
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NOT FOR CONSTRUCTION
OCTOBER 2023

L:\A\Proj\10944.000 - Winnie Lane Reconstruction Project\3-Design\DWG\Civil\Sheets\10944000SURFACEIMP.dwg,C2.4, 10/04/2023 09:52 am tadams



10/2/2023

CARSON CITY PUBLIC WORKS
**WINNIE LANE RECONSTRUCTION PROJECT
STRIPING AND SIGNAGE SHEETS**
WINNIE LANE - STA 10+00 TO STA 14+50
NEVADA
CARSON CITY



MATCH LINE STA 14+50 - SEE SHEET C2.2

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 2x10' 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	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.



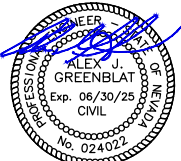
0 20' 40'
22x34 SHEETS: 1" = 20'
11x17 SHEETS: 1" = 40'

REV	DATE	DESCRIPTION

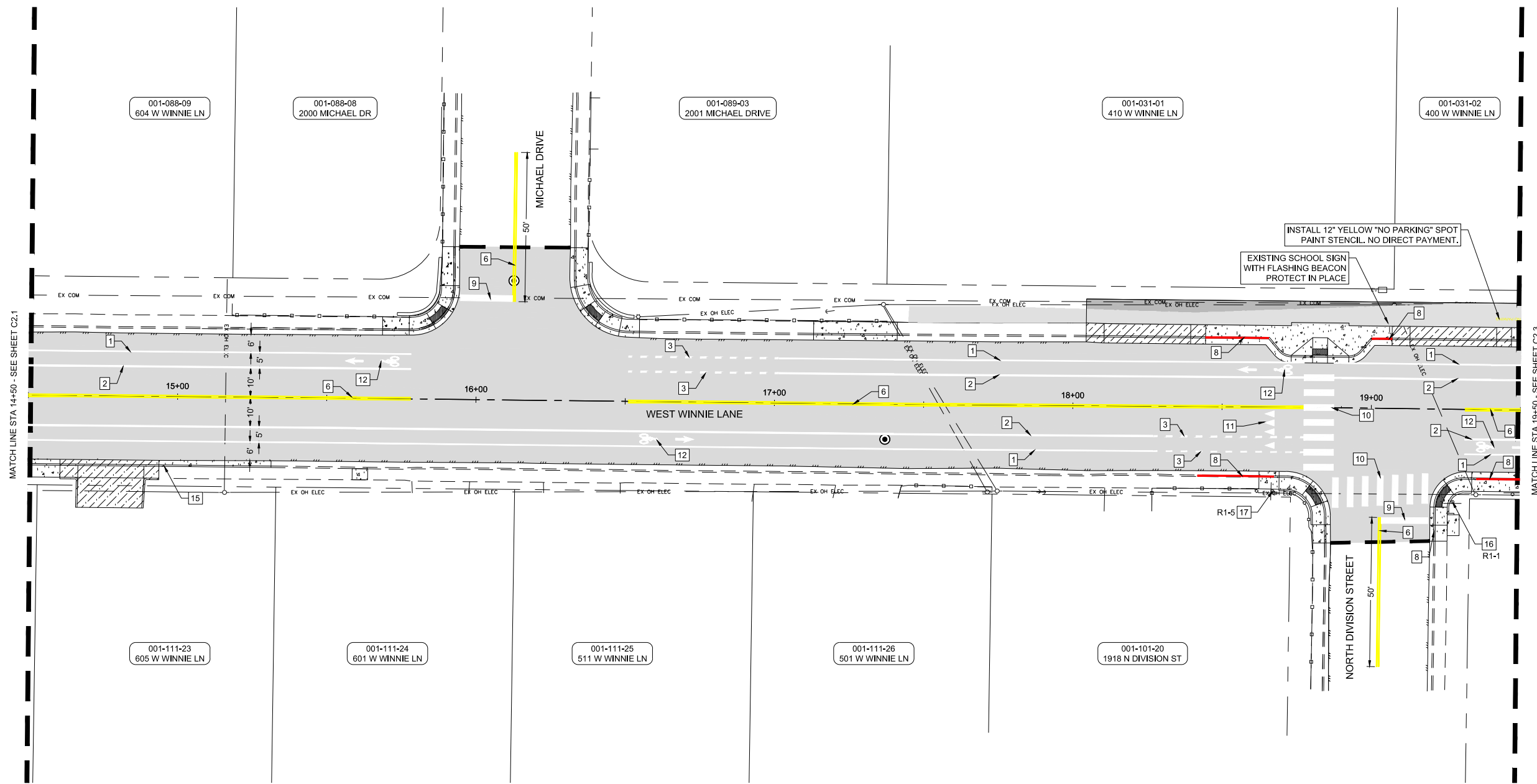
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OCTOBER 2023

C4.1

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



10/2/2023



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 II WATERBORNE)	LF	33	C-300	D1.5
10	INSTALL 2x10' 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

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



0 20' 40'
22x34 SHEETS: 1" = 20'
11x17 SHEETS: 1" = 40'

CARSON CITY PUBLIC WORKS
**WINNIE LANE RECONSTRUCTION PROJECT
STRIPING AND SIGNAGE SHEETS**
WINNIE LANE - STA 14+50 TO STA 19+50
NEVADA
CARSON CITY

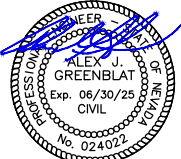
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

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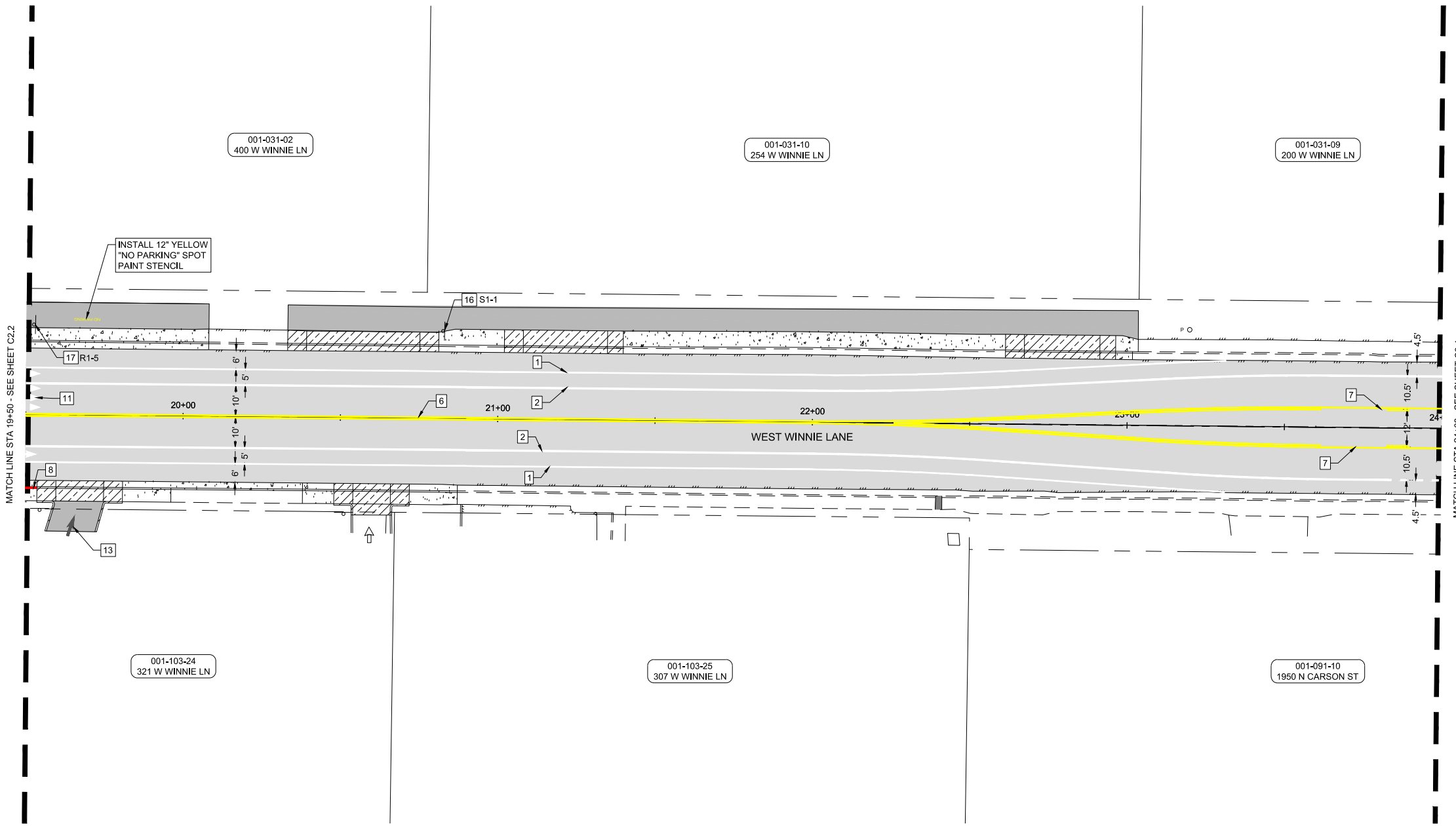
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DESIGNED BY: TDA
CHECKED BY: AJG
JOB NO.: 10944.000

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OCTOBER 2023



10/2/2023

CARSON CITY PUBLIC WORKS
**WINNIE LANE RECONSTRUCTION PROJECT
STRIPING AND SIGNAGE SHEETS
WINNIE LANE - STA 19+50 TO STA 24+00**
NEVADA
CARSON CITY



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 2x10' 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 II 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

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



0 20' 40'
22x34 SHEETS: 1" = 20'
11x17 SHEETS: 1" = 40'

REV.	DATE	DESCRIPTION

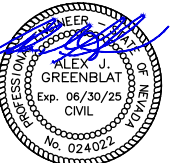
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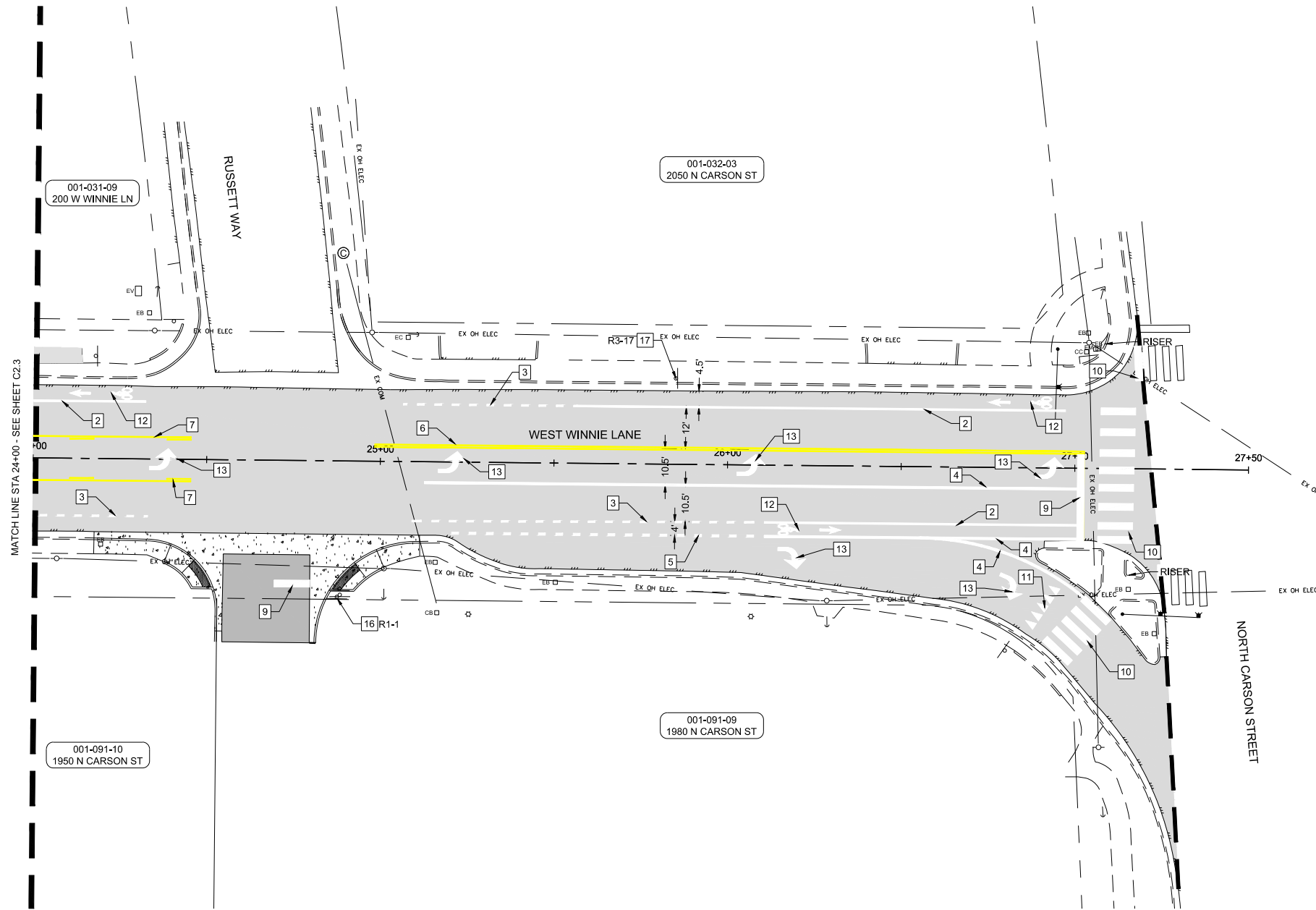
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JOB NO.: 10944.000

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OCTOBER 2023



10/2/2023



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 II WATERBORNE)	LF	35	C-300	D1.5
10	INSTALL 2x10' 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 II 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

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



0 20' 40'
 22x34 SHEETS: 1" = 20'
 11x17 SHEETS: 1" = 40'

CARSON CITY PUBLIC WORKS
**WINNIE LANE RECONSTRUCTION PROJECT
 STRIPING AND SIGNAGE SHEETS**
 WINNIE LANE - STA 24+00 TO STA 27+50
 CARSON CITY, NEVADA

REV	DATE	DESCRIPTION

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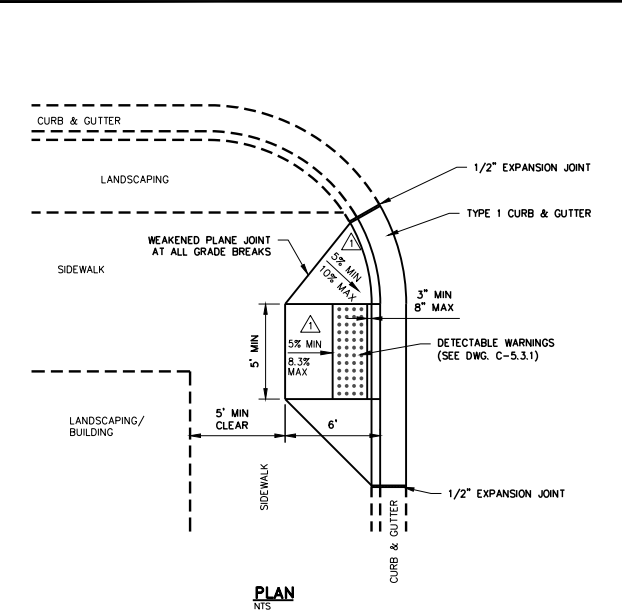
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DRAWN BY: MEP
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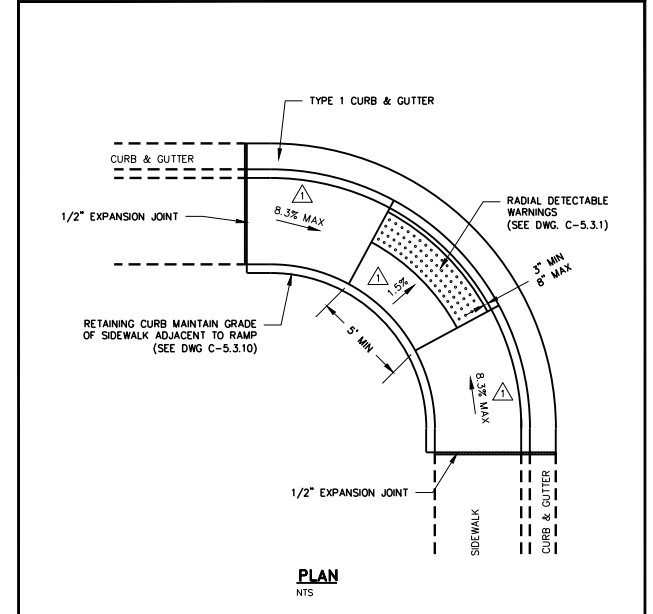
BID SET
 NOT FOR CONSTRUCTION
 OCTOBER 2023

- NO CONCRETE SHALL BE PLACED UNTIL FORMS AND SUBGRADE ARE INSPECTED BY CARSON CITY ENGINEERING DIVISION.
- PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: SYNTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), 4000 PSI MIN COMPRESSIVE STRENGTH @ 28 DAYS, MIN 6 BAGS 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 MATERIALS SHALL CONFORM TO SSPWC SECTION 202, OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- ALL CONCRETE EDGING AND JOINTING SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. DETAIL C-5.1.1 AND CONFORM TO SEC. 312 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).
- IF OBSTRUCTIONS SUCH AS INLETS, UTILITY POLES, FIRE HYDRANTS, ETC. ARE ENCOUNTERED, THE LOCATION AND DIMENSIONS MAY BE ADJUSTED UPON APPROVAL BY CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR. A MINIMUM LANDING OF 5 FEET X 5 FEET CLEAR IS REQUIRED WHEN DIRECTION OF TRAVEL MAY CHANGE. A MINIMUM OF 4 FEET CLEAR MAY BE USED UPON APPROVAL OF THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR WHERE DIRECTION OF TRAVEL IS NOT EXPECTED TO CHANGE.
- WHEN A CROSSWALK IS SERVICED BY RAMP, LANDINGS SHALL BE CONTAINED WITHIN THE CROSSWALK AREA.
- 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).
- NEW CONCRETE SHALL HAVE A HEAVY BROOM FINISH PERPENDICULAR TO SIDEWALK.
- DETECTABLE WARNINGS SHALL BE:
 - EAST JORDAN IRON WORKS 7005/7006 SERIES CAST IRON DETECTABLE WARNING PLATES, TUFITILE 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 UNLESS OTHERWISE APPROVED BY CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR. RADIAL DETECTABLE WARNINGS SHALL BE USED WHEN REQUIRED TO MAINTAIN 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. TUFITILE DETECTABLE WARNINGS SHALL HAVE A 1/8" GAP AROUND THE PERIMETER OF THE ENTIRE ASSEMBLY OF TILES CREATED WITH AN EDGING TROWEL DURING THE FINISHING OF THE CONCRETE TO ALLOW FOR TILE EXPANSION.
- AC PAVEMENT EDGE SHALL BE FLUSH TO 1/4 INCH ABOVE THE LIP OF GUTTER.
- 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.

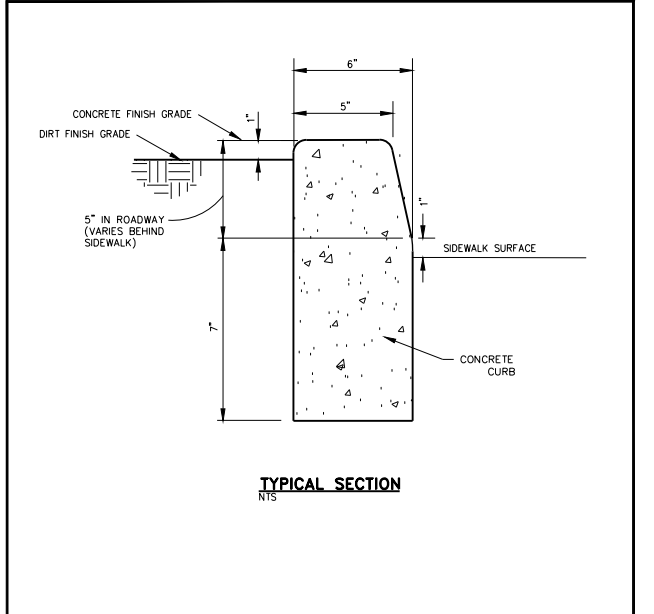
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	NOTE 10	1/21		CARSON CITY
			CURB RAMP	DRAWING NO. C-5.3.1
			GENERAL NOTES	DATE JAN 2021
APPROVED BY: [Signature] 1/21				



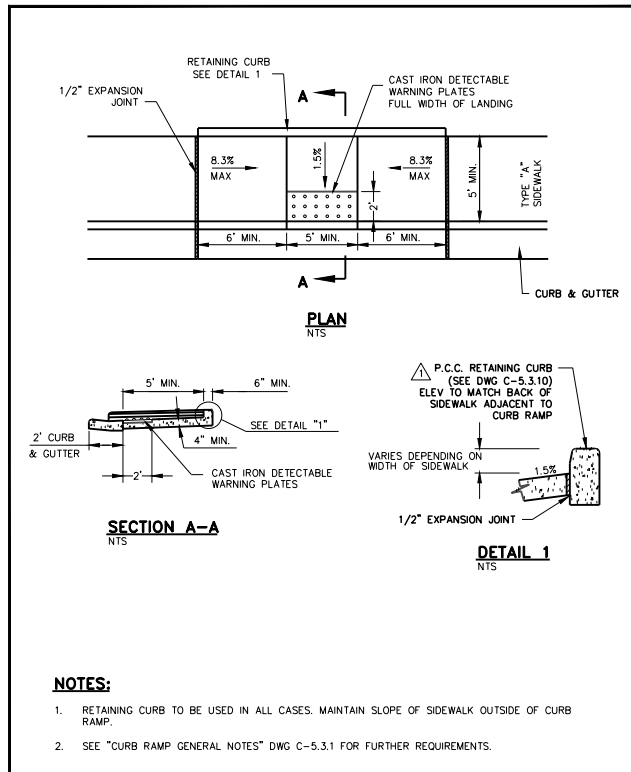
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	SLOPES	9/17		CARSON CITY
			PERPENDICULAR CURB RAMP	DRAWING NO. C-5.3.2
			DIRECTIONAL	DATE SEP 2017
APPROVED BY: [Signature] 9/17				



NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	SLOPE	9/17		CARSON CITY
			PARALLEL CURB RAMP	DRAWING NO. C-5.3.5
			APEX	DATE SEP 2017
APPROVED BY: [Signature] 9/17				



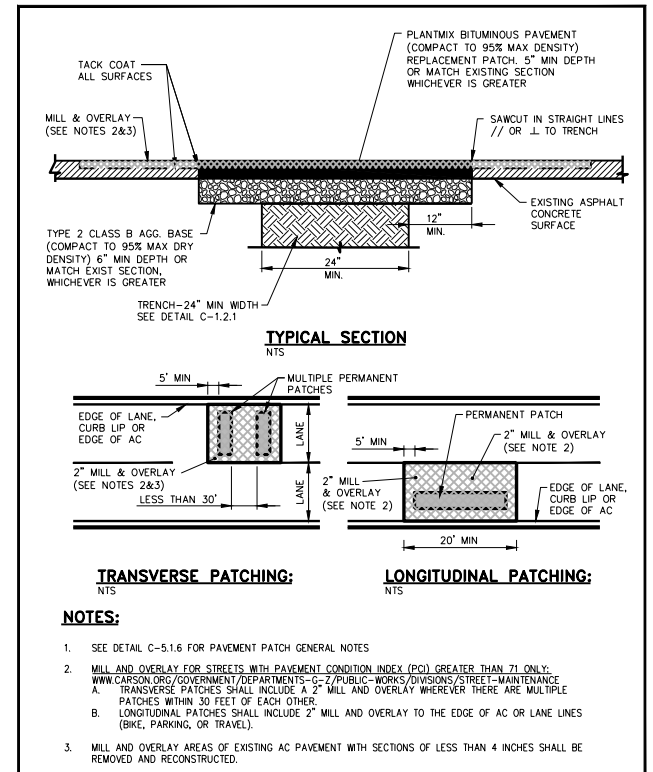
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	NOTE 2	9/17		CARSON CITY
			P.C.C. RETAINING CURB	DRAWING NO. C-5.3.10
				DATE SEP 2017
APPROVED BY: [Signature] 9/17				



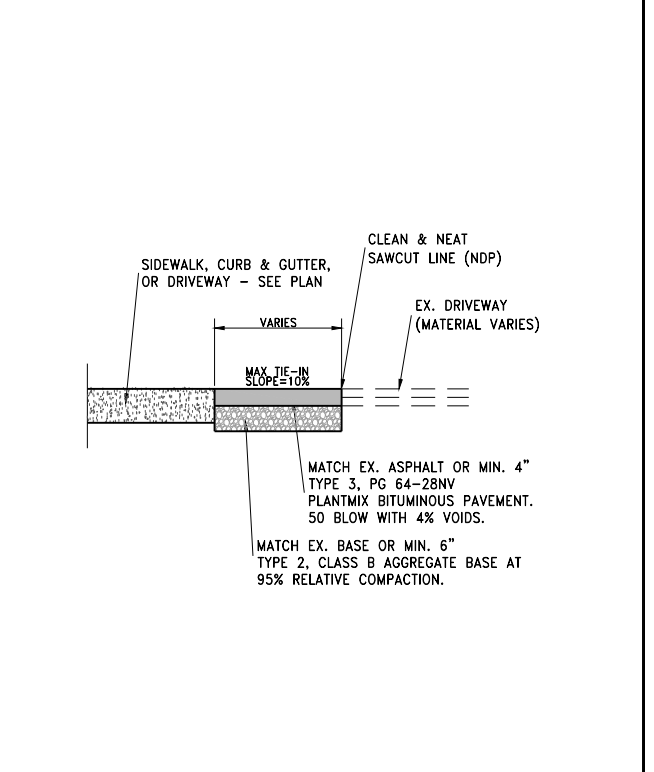
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	RET CURB DTL	1/20		CARSON CITY
			MID BLOCK	DRAWING NO. C-5.3.9
			CURB RAMP	DATE JAN 2020
APPROVED BY: [Signature] 1/20				

- IF SAWCUT IS WITHIN 24 INCHES OF EDGE OF A.C. PAVEMENT, AN EXISTING SAWCUT EDGE OR PAVEMENT PATCH, REMOVE EXISTING PAVEMENT TO THAT EDGE AND REPLACE ENTIRE SECTION.
- BITUMINOUS MATERIAL SHALL MEET THE REQUIREMENTS OF SECTIONS 201 AND 320 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- MIXING, SPREADING, AND COMPACTING OF BITUMINOUS PAVEMENT SHALL BE DONE ONLY WHEN THE SURFACE ON WHICH THE MATERIALS ARE TO BE PLACED IS DRY AND WHEN THE ATMOSPHERIC TEMPERATURE IS ABOVE 50 DEGREES FAHRENHEIT AND HAS NOT BEEN BELOW 40 DEGREES FAHRENHEIT DURING THE PRECEDING 24 HOURS.
- FINISHED SURFACE VARIATIONS SHALL BE 0 TO 0.25 INCHES ABOVE EXISTING SURFACE. ALL HUMPS EXCEEDING THIS TOLERANCE SHALL BE CORRECTED BY REMOVAL OF MATERIAL AND REPLACING IT WITH NEW MATERIAL. FINISHED SURFACE OF PATCH SHALL NOT BE BELOW EXISTING ADJACENT SURFACE.
- TRENCH PLANTMIX BITUMINOUS PAVEMENT SURFACE AND SUB SURFACE COURSES SHALL BE PG64-22 TYPE 3 WITH LIME 50 BLOW AND 15% RAP MAX. UNLESS OTHERWISE NOTED. MILL AND FILL PLANTMIX BITUMINOUS PAVEMENT SURFACE AND SUB SURFACE COURSES SHALL BE PG64-28NV TYPE 3 WITH LIME 50 BLOW AND 15% RAP MAX. UNLESS OTHERWISE NOTED.
- PLANTMIX BITUMINOUS PAVEMENT PATCHES SHALL MATCH EXISTING SECTION OR HAVE A MINIMUM THICKNESS OF 5 INCHES, WHICHEVER IS GREATER.
- PLANS SHALL SPECIFY PAVEMENT PATCH AND AGGREGATE BASE DEPTHS AS SPECIFIED BY THE DESIGN ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF LOOP DETECTORS, ADJUSTMENT OF UTILITIES AND SURVEY MONUMENTS TO GRADE AND INSTALLATION OF PERMANENT PAVEMENT MARKINGS.
- LONGITUDINAL PATCHES ALONG PCC CURBS AND GUTTERS SHALL BE A MINIMUM OF 24 INCHES IN WIDTH.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	NEW DETAIL	3/23		CARSON CITY
			PAVEMENT PATCH	DRAWING NO. C-5.1.6
			GENERAL NOTES	DATE MAR 2023
APPROVED BY: [Signature] 3/23				



NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	NEW DETAIL	3/23		CARSON CITY
			PAVEMENT PATCH	DRAWING NO. C-5.1.6.1
				DATE MAR 2023
APPROVED BY: [Signature] 3/23				



NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	NEW DETAIL	3/23		CARSON CITY
			PERMANENT BITUMINOUS PAVEMENT	DRAWING NO. C-5.1.6.1
			PATCH BEHIND SIDEWALK OR DRIVEWAY	DATE MAR 2023
APPROVED BY: [Signature] 3/23				



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CARSON CITY PUBLIC WORKS

WINNIE LANE RECONSTRUCTION PROJECT
DETAIL SHEETS

SURFACE IMPROVEMENT DETAILS

NEVADA
CARSON CITY

REV	DATE	DESCRIPTION

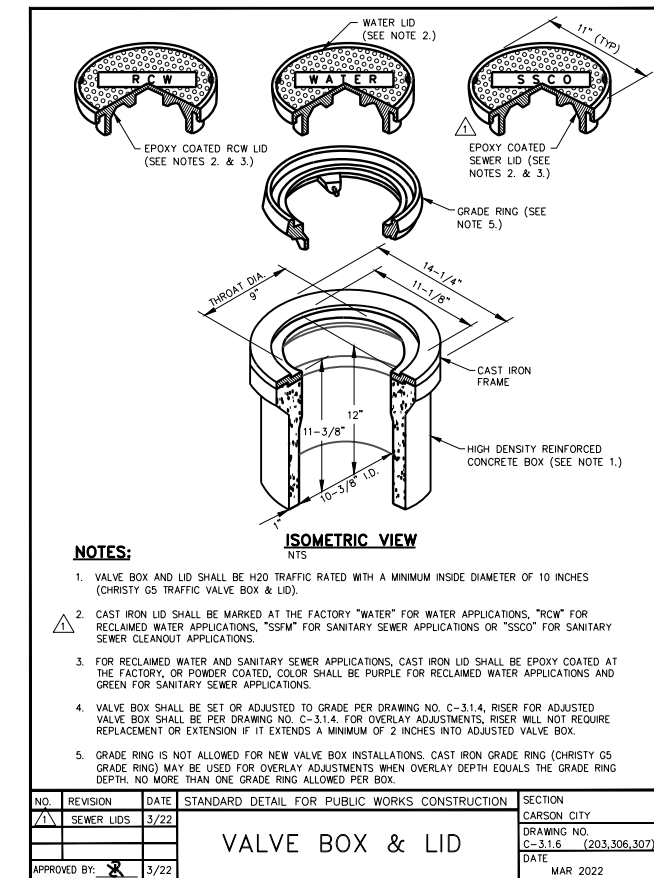
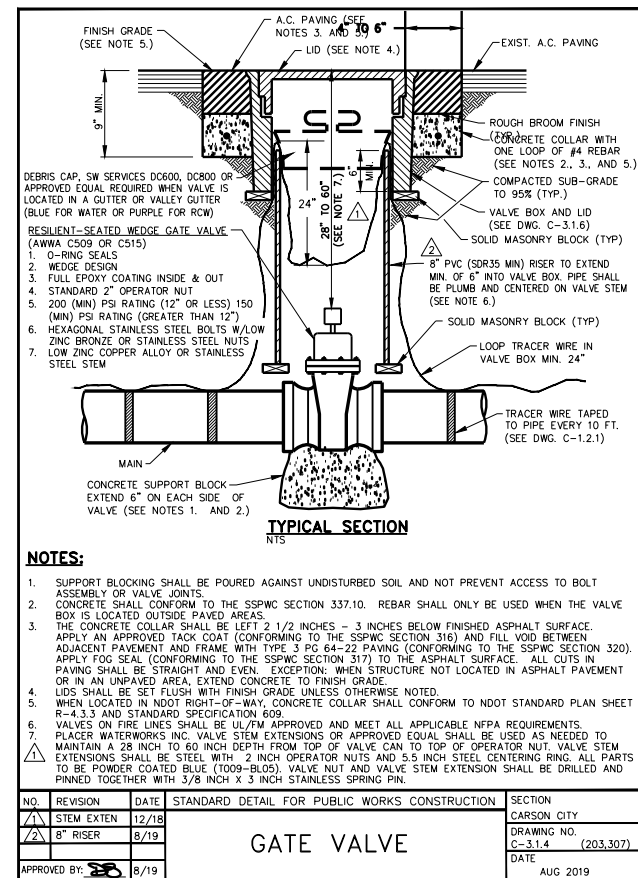
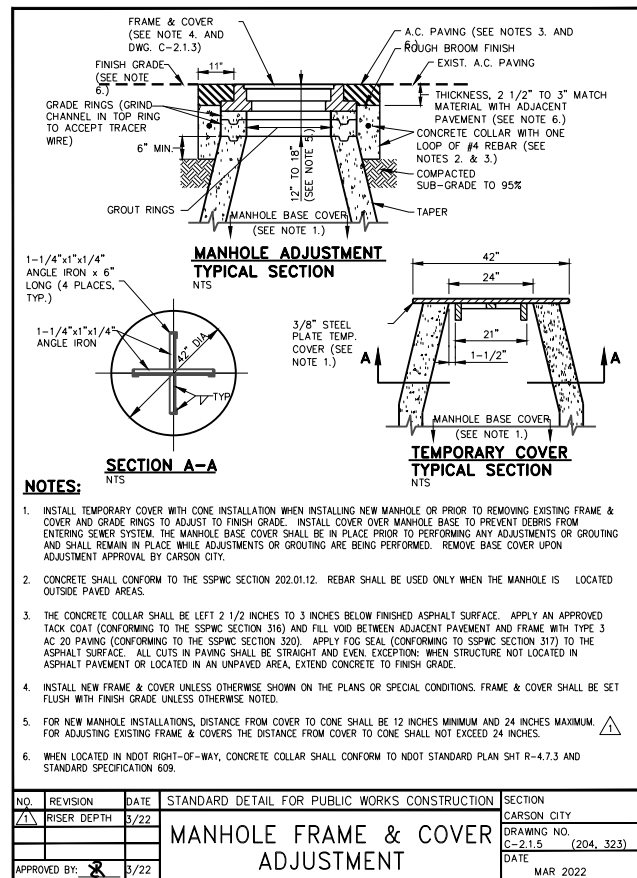
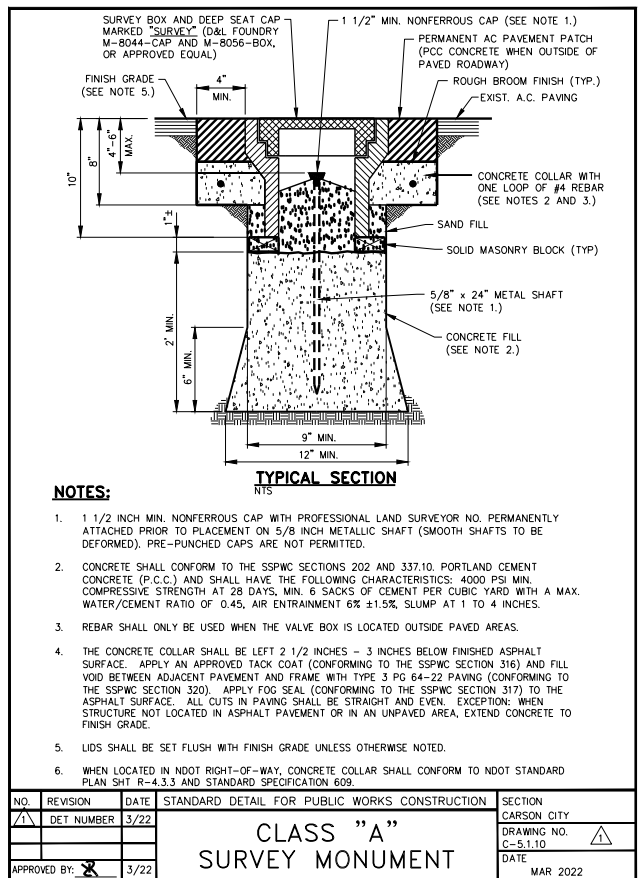
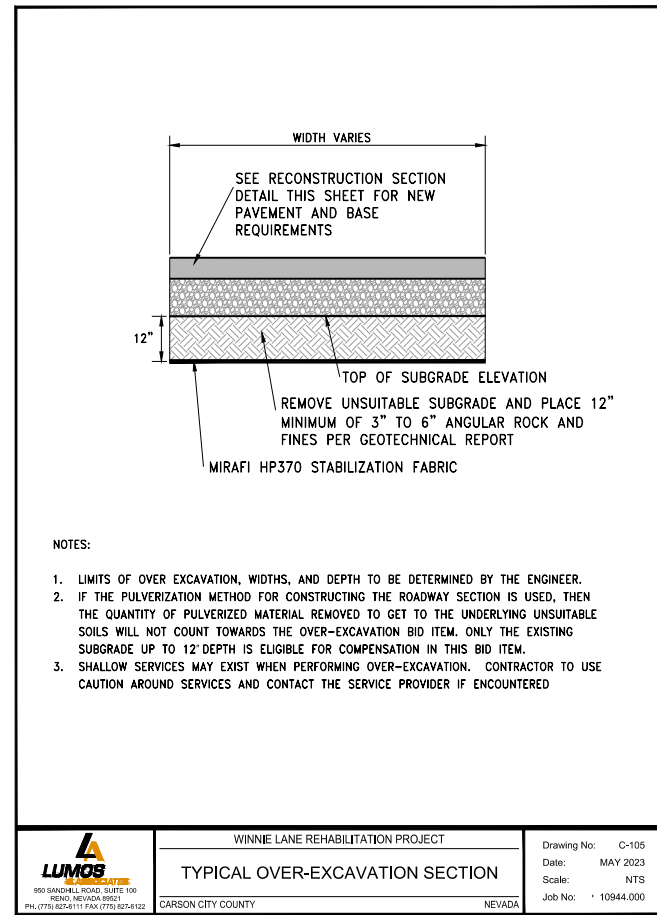
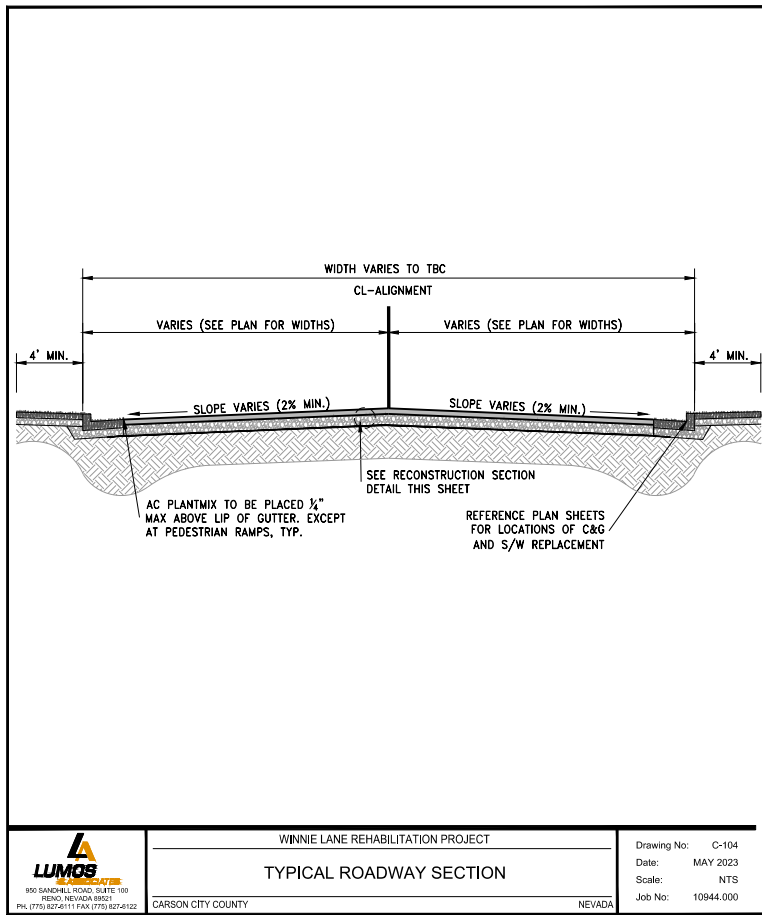
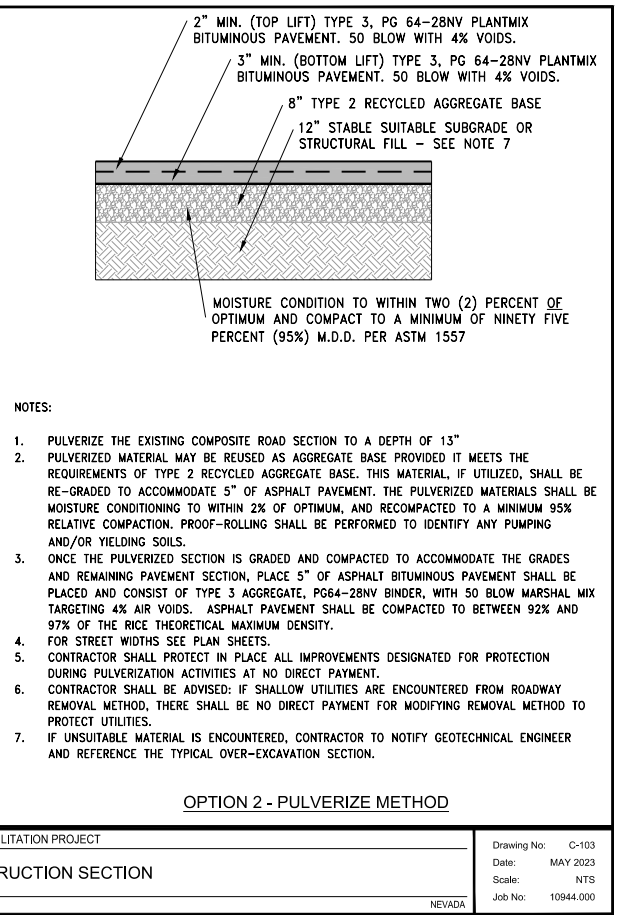
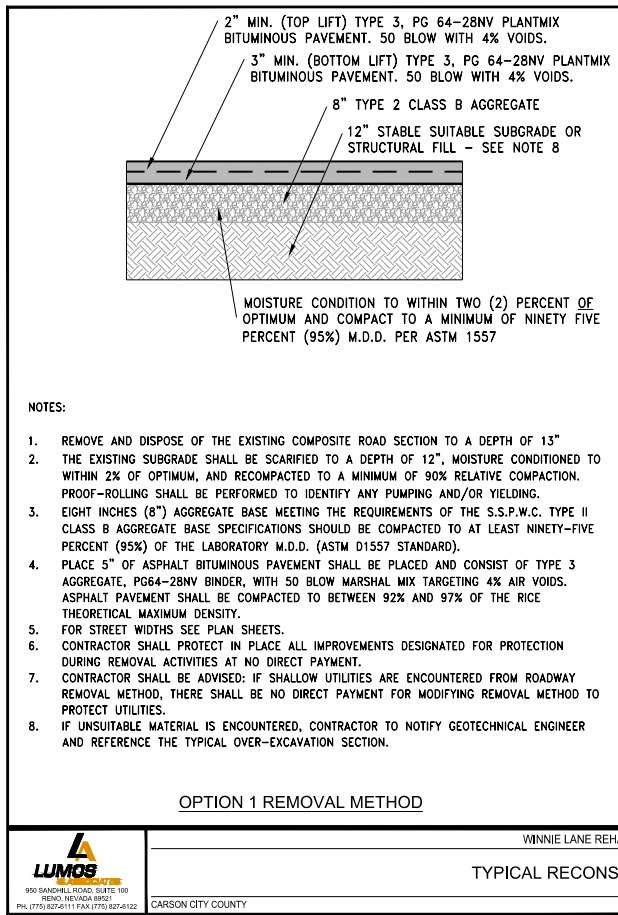
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CHECKED BY: AJG
JOB NO.: 10944.000

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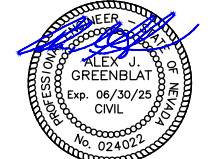
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10/2/2023

- MANHOLE AND CATCH BASIN MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF SECTION 204 "MANHOLES AND CATCH BASINS" OF THE SSPWC.
- MARKING TAPE SHALL BE INSTALLED 12 INCHES ABOVE ALL STORM DRAIN PIPE. TAPE WIDTH SHALL BE 3 INCHES; THICKNESS SHALL BE FOUR (4) MIL OR GREATER AND SHALL BE GREEN AND BEAR LARGE PRINTING DENOTING "CAUTION BURIED STORM DRAIN LINE BELOW" OR EQUIVALENT WORDING.
- PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH @ 28 DAYS, (CURB AND GUTTER TRANSITION ONLY, ALL UNEXPOSED CONCRETE MAY BE 3000 PSI) 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 MATERIALS SHALL CONFORM TO SSPWC SECTION 202.
- 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" (ALMATEK SD-4 OR APPROVED EQUAL) INSTALLED ON THE TOP OF THE CURB 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.
- MANHOLES LOCATED OUTSIDE PAVED AREAS SHALL REQUIRE ALL WEATHER ACCESS ROADWAY CONSISTING OF 6 INCHES TYPE 2, CLASS B AGGREGATE BASE (CONFORMING TO THE SSPWC SECTION 200.01.02) AND STORM DRAIN MANHOLE MARKERS BE INSTALLED. STORM DRAIN MANHOLE MARKERS SHALL BE GREEN CARSONITE UTILITY MARKER (CUM 375), 5 FEET-2 INCHES (5'-2") WITH DECAL READING "STORM DRAIN MANHOLE". PLACE MARKERS ON EASEMENT LINE NEAREST TO MANHOLE OR AS DIRECTED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
- MANHOLE CONCRETE COLLARS 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 AC 20 PAVING (CONFORMING TO THE SSPWC SECTION 320). APPLY FOG SEAL (CONFORMING TO SSPWC SECTION 317) TO THE ASPHALT SURFACE. ALL CUTS IN PAVING SHALL BE STRAIGHT AND EVEN. EXCEPTION: WHEN STRUCTURE NOT LOCATED IN ASPHALT PAVEMENT OR LOCATED IN AN UNPAVED AREA, EXTEND CONCRETE TO FINISH 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 COMPLIANT.
- 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 II (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		CARSON CITY
			STORM DRAIN GENERAL NOTES	DRAWING NO. C-4.1.1
				DATE MAR 2022

NOTES:

- PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH @ 28 DAYS, (FOR COLLAR ONLY, UNEXPOSED CONCRETE MAY BE 3000 PSI) 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 MATERIALS SHALL CONFORM TO SSPWC SECTION 202.
- 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.
- FRAME & GRATE SHALL BE JENSEN ADA COMPLIANT FG2424H (SIZE VARIES) OR APPROVED EQUAL.
- CATCH BASIN SHALL BE H20 TRAFFIC-RATED AND USED ONLY AT LOW POINTS IN ALLEYS OR PARKING AREAS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	OUTLET HEIGHT	9/17		CARSON CITY
			CATCH BASIN TYPE 3-R	DRAWING NO. C-4.1.4
				DATE SEP 2017

NOTES:

- INTENDED FOR TEMPORARY SHORT-TERM USE.
- USE TO MANAGE CURB WATER FLOW.
- SEDIMENT CAPTURED BEHIND GRAVEL BAGS SHALL BE REMOVED WEEKLY DURING CONSTRUCTION.
- INLET PROTECTION MUST BE PROPERLY MAINTAINED WHILE IN PLACE AND REMOVED WHEN REQUIREMENTS OF NDEP PERMIT HAVE BEEN MET.
- GRAVEL BAGS SHALL BE FILLED WITH 3/8" - 3/4" WASHED ROCK.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	GRAVEL BAG	05/14		CARSON CITY
2	ROCK SIZE	9/17		DRAWING NO. C-4.1.7
			STORM DRAIN INLET PROTECTION	DATE SEP 2017

NOTES:

- 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 SSPWC. MATERIAL SHALL BE PLACED IN LIFT THICKNESS SPECIFIED IN SUBSECTION 305.10 OF THE SSPWC AND DENSIFIED TO 90% RELATIVE COMPACTION PER ASTM D1557 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 ENGINEER 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 CONFORM 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 HDPE. PLANS SHALL SPECIFY WIRE STRENGTH AND INSULATION THICKNESS FOR BORING APPLICATIONS. SPLICES SHALL BE CONNECTED BY WIRE NUTS, SEALED WITH AQUA SEAL OR SILICON FILLED, AND DOUBLE WRAPPED WITH U/L LISTED ELECTRICAL TAPE. TRACER WIRE COLOR SHALL BE: BLUE FOR WATER, PURPLE FOR RECLAIMED WATER, GREEN FOR SANITARY SEWER FORCE MAINS AND YELLOW FOR ELECTRICAL OR FIBER OPTIC.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	REMOVE SEWER	3/22		CARSON CITY
			TRENCH EXCAVATION AND BACKFILL	DRAWING NO. C-1.2.1 (305)
				DATE MAR 2022

NOTES:

- FERNO FLEXIBLE COUPLING MODEL #1004-2424 OR APPROVED EQUAL SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR TO VERIFY OUTSIDE DIAMETER OF EXISTING PIPE AND PROVIDE PROPER FLEXIBLE WATERTIGHT COUPLINGS. IF CIPP IS ENCOUNTERED, EPOXY LINER AT END OF PIPE.
- CONTRACTOR TO FULLY ENCASE CONNECTION WHEN WITHIN 5' FROM A WATER SERVICE/MAIN.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			EXISTING PIPE TO NEW PVC PIPE CONNECTION	CARSON CITY
				DRAWING NO. C-202
				DATE MAY 2023
				Scale: NTS
				Job No: 10944.000

NOTES:

- THE CONCRETE ACCESS PAD AS SHOWN MUST BE INSTALLED A MINIMUM 3'-0" CLEAR ON ALL SIDES PER DWG C-5.2.2 WITH EVERY NEW FIRE HYDRANT.
- PROVIDE PCC RETAINING CURB WHERE EXISTING OR PROPOSED GRADE DIFFERENCE, FENCE, WALL OR OTHER ABOVE GROUND OBSTRUCTIONS EXIST. SEE DWG C-5.3.10.
- PROVIDE 3'-0" CLEAR SPACE FROM FIRE HYDRANT AT SIDES AND REAR. PROVIDE 7'-6" CLEAR SPACE TO EACH SIDE FROM THE FRONT FACE OF FIRE HYDRANT EXCEPTING BOLLARDS. BOLLARDS SHALL BE PLACED AT 3'-0" CLEAR FROM FIRE HYDRANT WHEN REQUIRED.
- CONSTRUCT KEYSTONE RETAINING WALL IF NECESSARY TO MEET 3:1 SLOPE REQUIREMENT. RETAINING WALLS OVER 3 FEET MUST BE DESIGNED BY A CIVIL ENGINEER AND MUST HAVE A HANDRAIL IF FALLING HAZARDS EXIST.
- PROVIDE 48 INCHES CLEAR PASSING SPACE WHEN INSTALLING FIRE HYDRANT IN PEDESTRIAN ACCESS ROUTE.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	SETBACK TABLE	3/22		CARSON CITY
			FIRE HYDRANT SETBACK & ACCESS PAD	DRAWING NO. C-5.1.7.1 (307)
				DATE MAR 2022

CARSON CITY PUBLIC WORKS

WINNIE LANE RECONSTRUCTION PROJECT
DETAIL SHEETS
STORM DRAIN DETAILS

NEVADA
CARSON CITY

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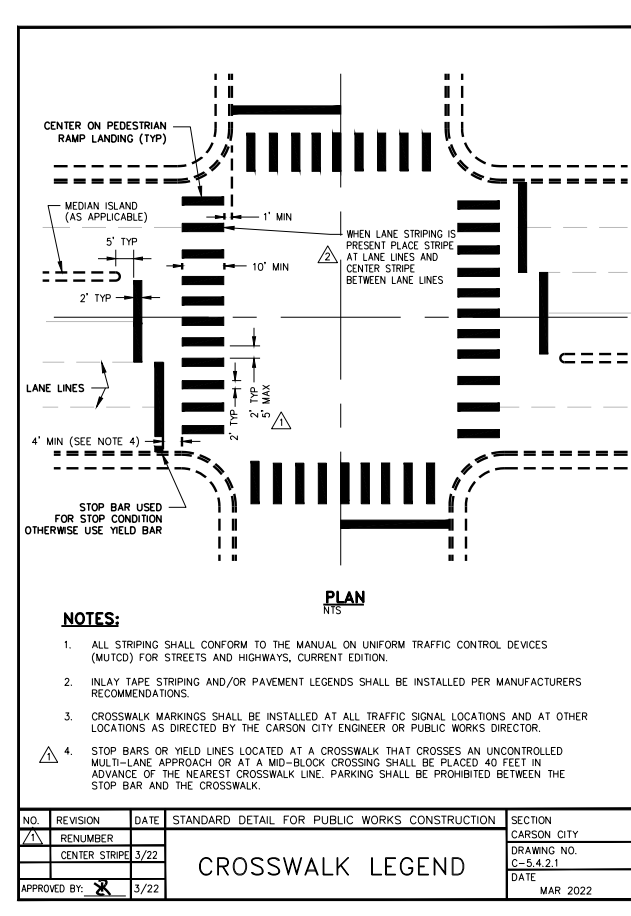
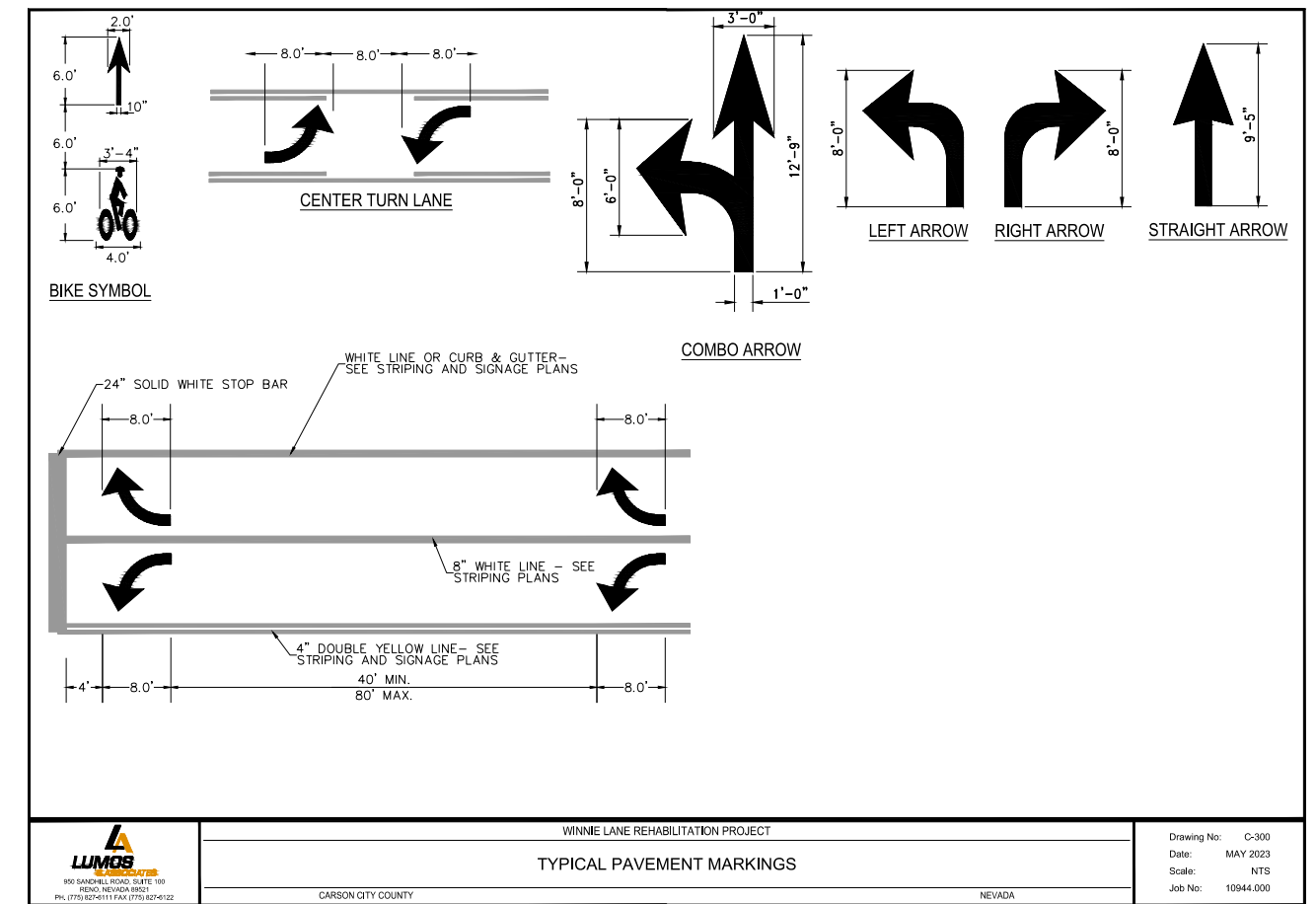
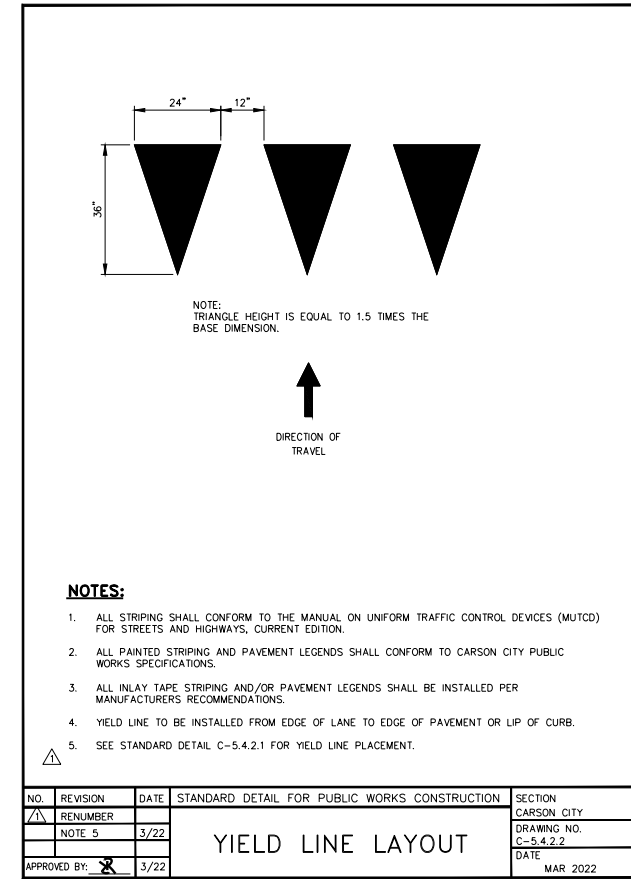
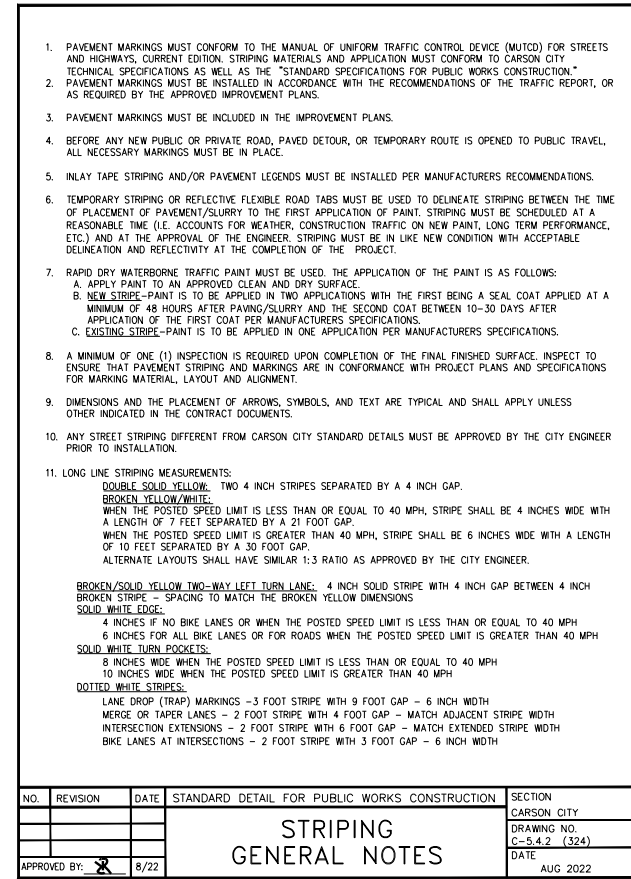
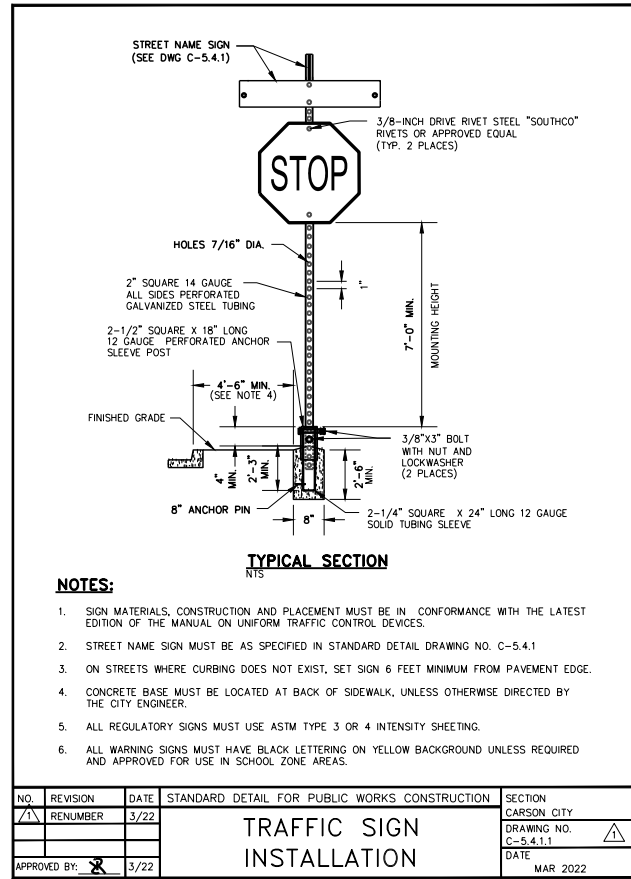
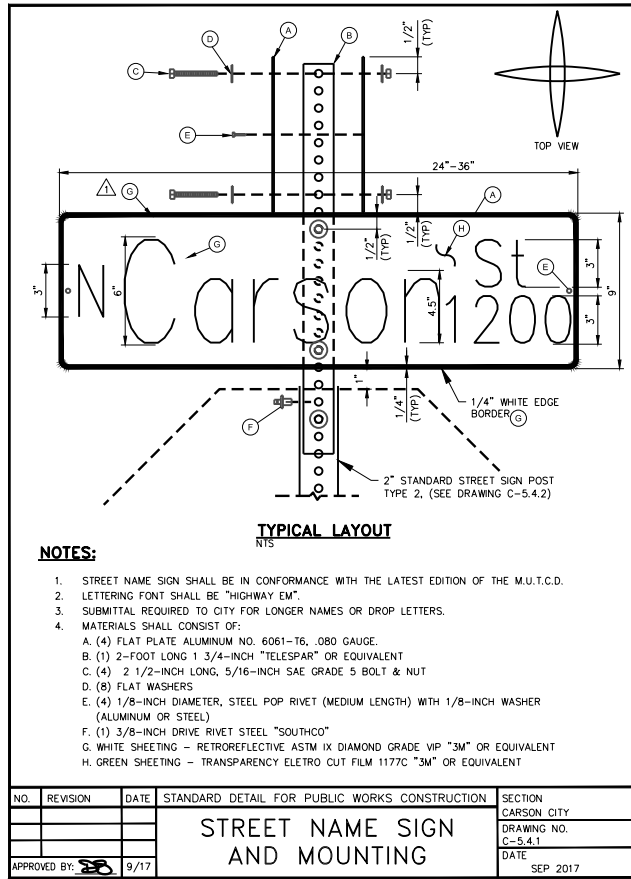
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CARSON CITY PUBLIC WORKS

WINNIE LANE RECONSTRUCTION PROJECT
DETAIL SHEETS
STORM DRAIN DETAILS

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CARSON CITY

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