# CITY OF SPARKS MAINTENANCE GARAGE EAST PARKING LOT RECONSTRUCTION

PHASE 2

SPARKS, WASHOE COUNTY, NEVADA



# OWNER/DEVELOPER

CITY OF SPARKS 431 PRATER WAY SPARKS, NEVADA 89431 (775) 353-7809 PROJECT CONTACT:

ROBERT BIDART, P.E. (775) 353-1688

# LIST

$O_{L}$		DEVILATION
	ABBI	REVIATION
A.C. A.P.		ASPHALTIC CONCRETE ANGLE POINT
B.C.		BEGIN CURVE
B.F.C.		BACK FACE CURB
B.V.C.	000000000000000000000000000000000000000	BEGIN VERTICAL CURVE
B.S.	000000000000000000000000000000000000000	BACK OF SIDEWALK
B.W.	000000000000000000000000000000000000000	BOTTOM OF WALL
C.B.		CATCH BASIN
С СН	••••••	CENTERLINE
C.M.P.	••••••	CHORD CORRUGATED METAL PIPE
CONC.	•••••••	CONCRETE
CONST.		CONSTRUCT
C.P.	000000000000000000000000000000000000000	CONCRETE PIPE
D.I	000000000000000000000000000000000000000	DROP INLET
DET.	000000000000000000000000000000000000000	DETAILS OF THE STATE OF THE STA
D.W.	••••••	DEWATERING OR DRIVEWAY (PER PLA
E ELEV.	000000000000000000000000000000000000000	EAST
ELEV. E.C.	000000000000000000000000000000000000000	ELEVATION END OF CURVE
E.V.C.		END VERTICAL CURVE
EXIST.		EXISTING
E.G.	000000000000000000000000000000000000000	EXISTING GRADE
F.F.	000000000000000000000000000000000000000	FINISH FLOOR
F.F.C.	•••••	FRONT FACE CURB
F.G.		FINISH GRADE
F.H. E	000000000000000000000000000000000000000	FIRE HYDRANT FLOW LINE
F.V.A.	••••••••	FLUSH VALVE ASSEMBLY
G		GAS
Ğ.V.	000000000000000000000000000000000000000	GATE VALVE
<b>G</b> . <b>B</b> .		GRADE BREAK
HORIZ.		HORIZONTAL
H.P.		HIGH POINT
INT.	000000000000000000000000000000000000000	INTERSECTION
I.E.	••••••	INVERT ELEVATION
LT. L	000000000000000000000000000000000000000	LEFT LENGTH
Ĺ.F.		LINEAL FEET
L.P.	000000000000000000000000000000000000000	LOW POINT
L.S.		LIGHT STANDARD
M.H.	000000000000000000000000000000000000000	MANHOLE
N	000000000000000000000000000000000000000	NORTH
NW		NORTHWEST
P	000000000000000000000000000000000000000	PAD ELEVATION
P.C. P.I.	000000000000000000000000000000000000000	POINT OF CURVATURE
P.O.	000000000000000000000000000000000000000	POINT OF INTERSECTION PUSH ON
P.O.C.		POINT ON CURVE
P.R.C.	•••••	POINT ON CORVE
P.T.		POINT OF TANGENT
P.V.C.	000000000000000000000000000000000000000	POLYVINYL CHLORIDE PIPE
	••••••	PROPERTY LINE
<b>P</b> (R)	000000000000000000000000000000000000000	RADIAL
R	000000000000000000000000000000000000000	RADIUS
R.E.		RECLAIMED_EFFLUENT
REF.	000000000000000000000000000000000000000	REFERENCE
RET.	••••••	RETURN  BEINESBOED CONOBETE DIDE
R.C.P. RT.	•••••••	REINFORCED CONCRETE PIPE RIGHT
R/W		RIGHT OF WAY
S	000000000000000000000000000000000000000	SOUTH
S.D.		STORM DRAIN
S.D.C.O.		STORM DRAIN CLEAN OUT
		SANITARY SEWER CLEAN OUT
S.S. SW	•••••••	SANITARY SEWER SOUTHWEST
S.W.		SIDEWALK
SHT.		SHEET
STA.		STATION
S.D.	••••••	STORM DRAIN
T		TANGENT
T.C.		TOP OF CURB
TOE T P	••••••	TOE OF SLOPE
T.P. T.W.	000000000000000000000000000000000000000	TOP OF PAVEMENT TOP OF WALL
TYP.		TYPICAL

VERTICAL
VERTICAL CURVE
VERTICAL POINT OF INTERSECTION
WEST OR WATER (PER PLAN)
WASHOE COUNTY



PROJECT LOCATION VICINITY MAP

SIGNATURE LINE

JON R. ERICSON, P.E., P.T.O.E. CITY ENGINEER

PWP WA-2020-093 BID #19/20-017

#### BASIS OF BEARINGS

STATE PLANE COORDINATE SYSTEM, NEVADA WEST ZONE, NORTH AMERICAN DATUM OF 1983 / 1994, US SURVEY FOOT.

## BASIS OF ELEVATIONS

NORTH AMERICAN VERTICAL DATUM OF 1983 (NAVD 88) US SURVEY FOOT.

#### **NOTE**

CONSTRUCTION ACTIVITIES AT THIS SITE SHALL NOT COMMENCE ANY EARLIER THAN 7:00 A.M. AND END BY 7:00 P.M. ANY OPERATIONS OUTSIDE OF THESE TIMES WILL REPRESENT A VIOLATION OF SPARKS MUNICIPAL CODE 9.30.030. THE PENALTY OF SAID VIOLATION IS A MAXIMUM OF \$1,000 FINE AND SIX MONTHS IN JAIL FOR EACH

#### **SPECIFICATIONS**

ALL CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS, AND THE LATEST STANDARD DETAILS, FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION AND ANY APPURTENANT SUPPLEMENTS) SPONSORED AND DISTRIBUTED BY RENO, SPARKS, AND WASHOE COUNTY.

### SHEET INDEX

1 .....TITLE SHEET

2 .....PLAN LAYOUT

3 ..... STRIPING PLAN

4 ..... DETAIL SHEET

## **ENGINEER**



#### ENGINEERS CERTIFICATE

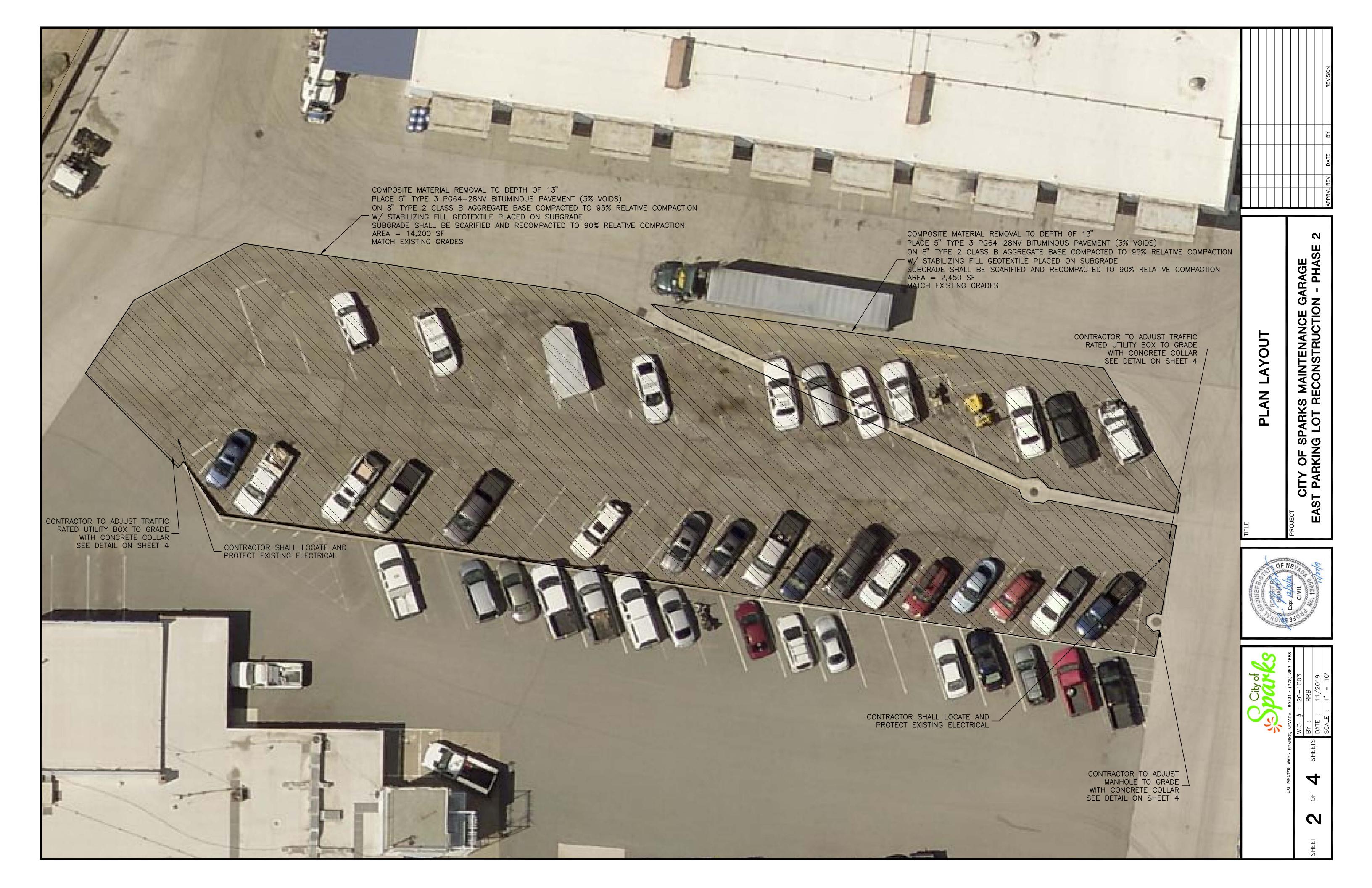
THESE PLANS (SHEETS 1 OF 3) HAVE BEEN PREPARED IN ACCORDANCE WITH ACCEPTED ENGINEERING PROCEDURES AND GUIDELINES, AND ARE IN SUBSTANTIAL COMPLIANCE WITH APPLICABLE STATUTES, CITY ORDINANCES, STANDARDS, AND CITY CODE. IN THE EVENT OF CONFLICT BETWEEN ANY PORTION OF THESE PLANS AND CITY CODE, CITY STANDARDS SHALL PREVAIL.

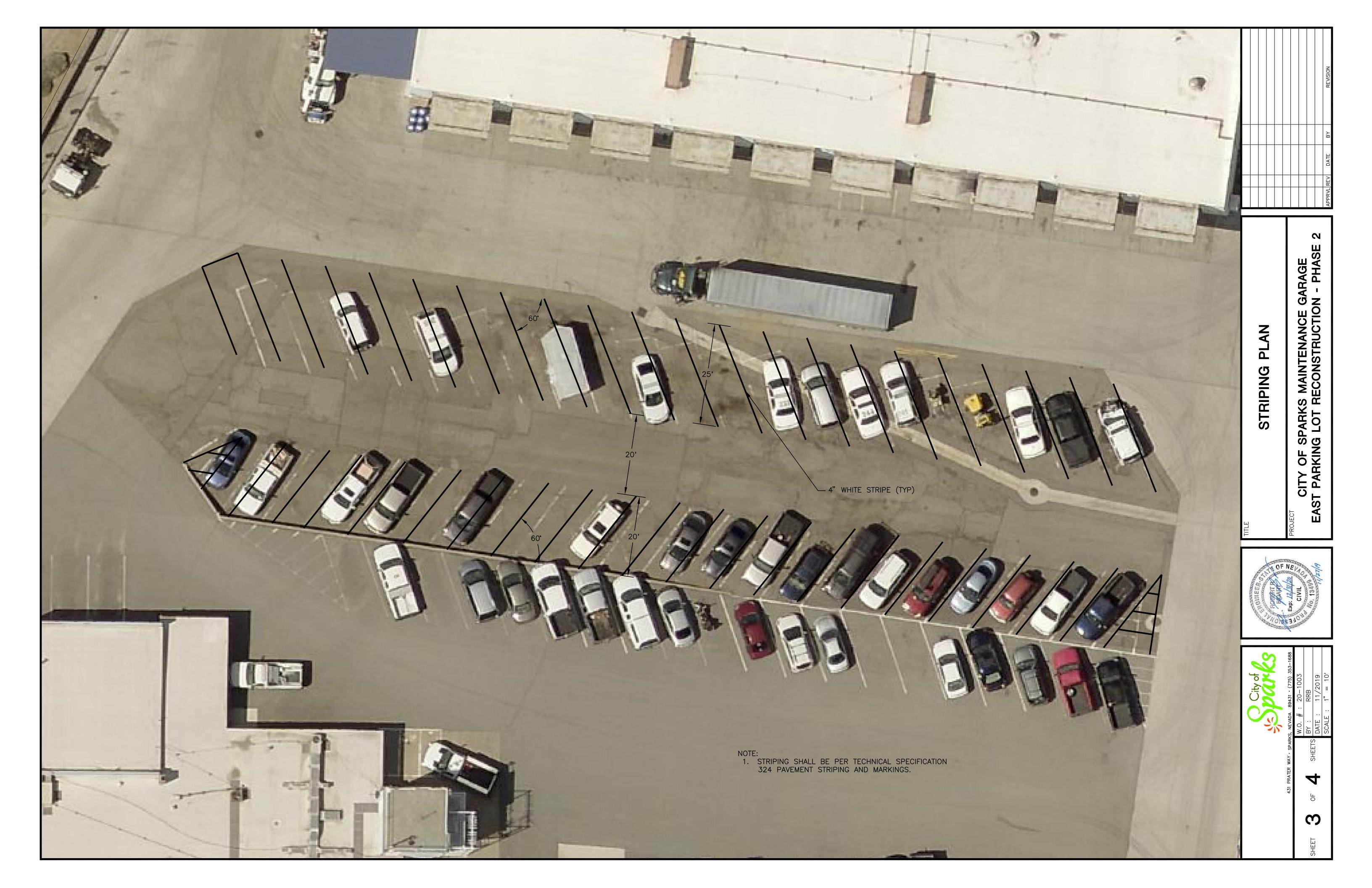


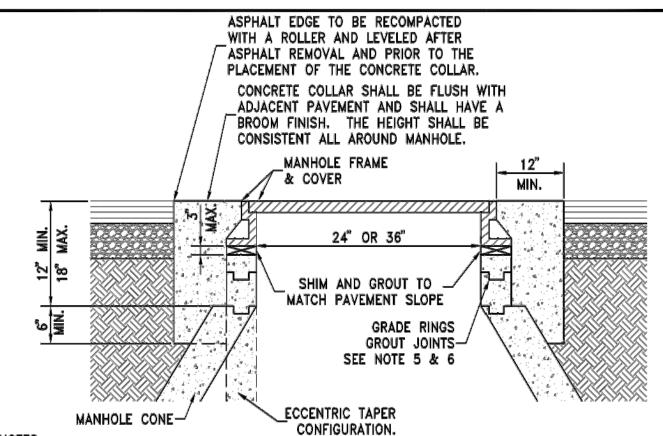
ROBERT R. BIDART

P.E. #13499



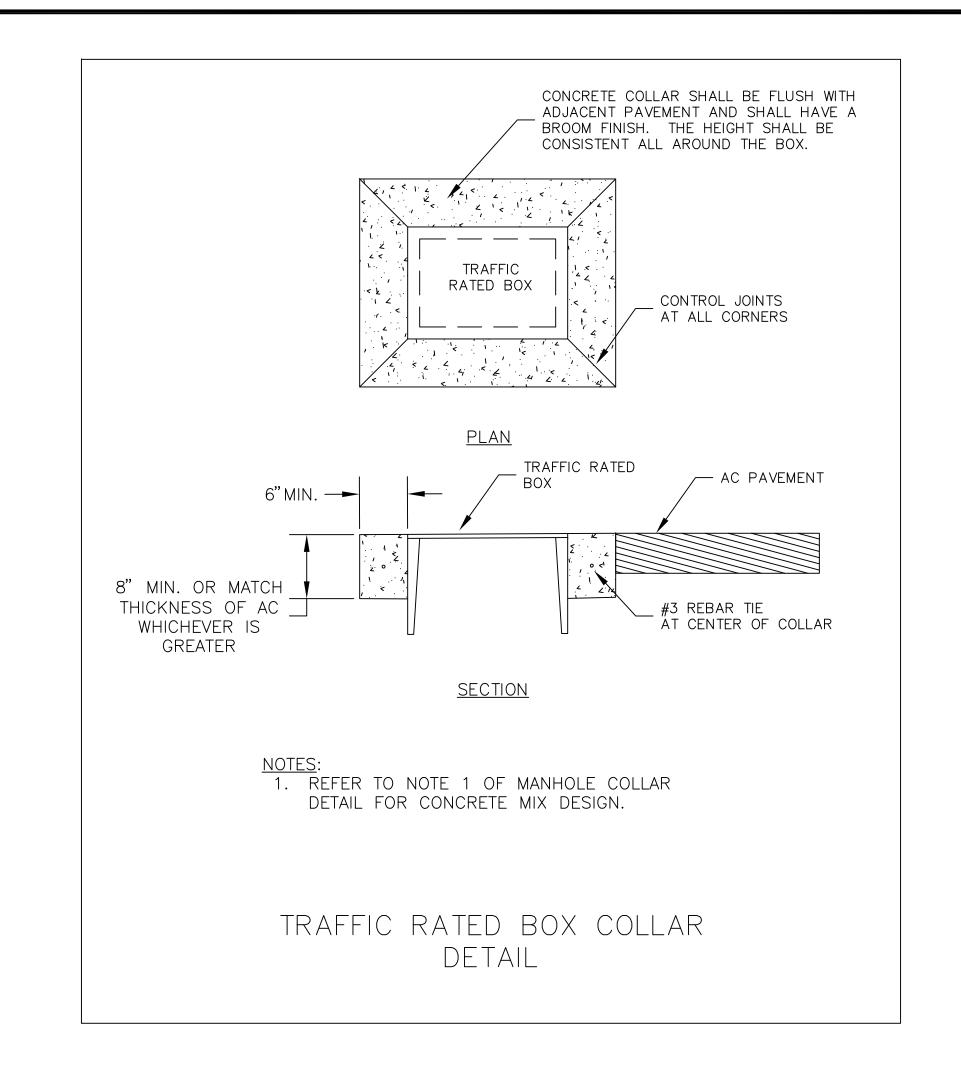


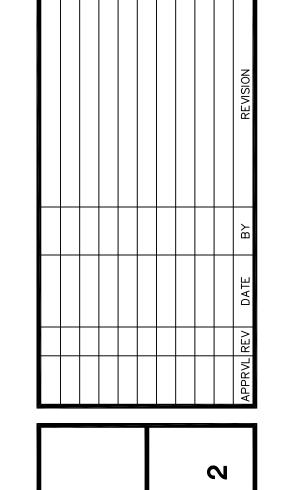




- 1. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH MAX. WATER-CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES. MIX DESIGN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 337 OF STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION (SSPWC), AS ADOPTED BY CITY COUNCIL. CEMENT SHALL BE TYPE II. ALL CEMENT CONCRETE SHALL HAVE A COARSE AGGREGATE GRADATION CONFORMING TO SIZE No. 67. POLYPROPYLENE OR CELLULOSE FIBERS SHALL BE ADDED TO THE P.C.C. AT 1.5 LBS. PER CUBIC YARD. ALL MATERIALS SHALL CONFORM TO SSPWC, AS ADOPTED BY CITY COUNCIL.
- 2. CIRCUMSTANCES MAY REQUIRE THE NEED FOR SPECIAL TYPES OF TOP OF MANHOLE CONFIGURATIONS SUCH AS FLAT TOP, ABOVE GROUND, ETC. AS DIRECTED BY THE CITY OF SPARKS. DETAILED PLANS OF ANY SPECIAL TOP OF MANHOLE CONFIGURATIONS AND ASSOCIATED COLLARS MUST BE APPROVED BY THE ENGINEER.
- 3. IN UNPAYED AREAS, IT SHALL BE NECESSARY TO SET THE MANHOLE RIM APPROXIMATELY 6 INCHES ABOVE THE SURROUNDING AREA. INSTALL A 6 INCH THICK RING OF CONCRETE, TAPERED AT A 3:1 SLOPE, FROM THE TOP, OUTSIDE EDGE OF THE COLLAR TO THE EXISTING GROUND SURFACE.
- 4. EXISTING SANITARY SEWER MANHOLE LIDS LOCATED IN GUTTER PANS, SHALL HAVE NEW WATER TIGHT FRAMES AND COVERS.
- 5. ALL GRADE RING JOINTS ARE TO BE GROUTED WITH NON-SHRINK GROUT HAVING THE FOLLOWING CHARACTERISTICS: 3000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD AND SLUMP AT 1 TO 4 INCHES. ALL MATERIAL SHALL CONFORM TO SSPWC, AS ADOPTED BY CITY COUNCIL.
- 6. ALL GRADE RINGS SHALL BE PORTLAND CEMENT CONCRETE. PVC GRADE RINGS ARE NOT ALLOWED.

7. P.C.C. COLLARS IN ALL R	OADWAYS SHALL BE PROTECTED FROM TRAFFIC LO	ADS UNTIL MINIMUM 3000 PSI IS
ATTAINSTANDARD DETAILS	FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
City of City of	MANHOLE COLLAR	S-218A
		APPROVED BY: JE DATE: 5/2018





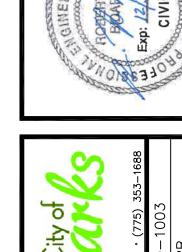
CITY OF SPARK ST PARKING LOT

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MAINTENANCE (

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SPARK	SPARKS, NEVADA	89431 • (775) 353–1688
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