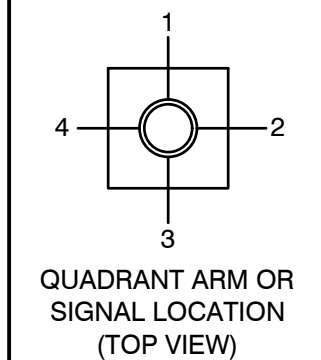


CONDUIT AND WIRE SCHEDULE

[illegible]

POLE SCHEDULE

[illegible]

POLE NOTES

1. ALL POLE LOCATIONS ARE BASED FROM 3RD STREET CENTERLINE STATIONING.
2. TYPE "H" FOUNDATION PER USDCCA STD. DWG. NO. 721.
3. TYPE "L" FOUNDATION PER USDCCA STD. DWG. NO. 722.
4. R3-4 SIGN SHALL BE 36"x36".
5. TENON ONLY FOR FUTURE LEFT TURN.
6. TRAFFIC POLES TO BE BLACK GREEN (RAL 6012) WITH DUAL STREETLIGHTS (GARDCO CAA22L.2@90-3-160LA-CW-UNIV OR APPROVED EQUAL).
7. TYPE XX POLES PER USDCCA STD. DWG. NO. 808.
8. LUMINAIRIES FOR INTERSECTION LIGHTING TO BE FUSED IN THE CABINET.
9. OPTICAL DETECTION TO BE MOUNTED ON SIGNAL MAST ARM.
10. INSTALL STREET NAME SIGN (INTERNALLY ILLUMINATED).
11. INSTALL POLE MOUNTED CONTROLLER AND ASSEMBLY.
12. THE CONTRACTOR SHALL PROVIDE AN AUDIBLE-TACTILE PEDESTRIAN PUSH BUTTON CONTROL UNIT, INTERFACE PANEL AND ANY REQUIRED HARNESSSES TO MATCH THE TYPE OF AUDIBLE-TACTILE PEDESTRIAN PUSH BUTTONS THAT ARE INSTALLED ON THE SIGNAL POLES. THE CONTRACTOR SHALL INSTALL AND WIRE THE AUDIBLE-TACTILE PEDESTRIAN PUSH BUTTON EQUIPMENT IN THE CABINET TO PROVIDE A FULLY FUNCTIONING SYSTEM.
- * 13. MOD. POLE PER DETAIL ON SHEET T7, CONTRACTOR TO PROVIDE PANDUIT STAND (RASHEN & SON, INC. PART # RS0989)
14. PROVIDE 10' OF SIGN IN THE CABINET OF THE STAND BASE FOR ALL TRAFFIC SIGNAL AND ILLUMINATE CONDUCTORS.
15. ALL INDICATIONS SHALL BE CIRCULAR TYPE, NO ARROW INDICATIONS.
16. INSTALL TYPE "C" FOUNDATION PER USDCCA STD. DWG. NO. 717.
17. INSTALL 1-A POLE PER USDCCA STD. DWG. NO. 806.

STREET NAME & BLOCK NUMBER SIGN SCHEDULE

POLE	STREET NAME SIGN	STREET SUFFIX	BLOCK NUMBER	CARDINAL DIRECTION	DOUBLE SIDED
	Garces	AVE	300 SEE NOTE 1	E	YES
	3rd	ST	700 SEE NOTE 1	S	YES
	Garces	AVE	300 SEE NOTE 1	E	YES
	3rd	ST	600 SEE NOTE 1	S	YES

FAST

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FREEWAY AND ARTERIAL
SYSTEM OF TRANSPORTATION

30% Submittal
"NOT FOR CONSTRUCTION"
December 2016



PROFESSIONAL ENGINEER-STATE OF NEVADA
 ROBERT C. HOSEA III
 EC 06/30/17
 CIVIL
 No. 10112

SHEET
TS6
45 OF 61
DRAWING NO.

—

PREPARED FOR
CITY OF LAS VEGAS

-# 54616

DATE: --

SUBMITTAL STAGE:

30% Submittal

**DOWNTOWN PEDESTRIAN AND BICYCLE IMPROVEMENTS
3RD STREET-PHASE 2
CHARLESTON TO BONNEVILLE**

TRAFFIC SIGNAL PLANS

SHEET

SHEET

TS6
45 OF 61

DRAWING NO.

PREPARED FOR
CITY OF LAS VEGAS

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**DOWNTOWN PEDESTRIAN AND BICYCLE IMPROVEMENTS
3RD STREET-PHASE 2
CHARLESTON TO BONNEVILLE**

TRAFFIC SIGNAL PLANS

SHEET

SHEET

TS6
45 OF 61

DRAWING NO.

1. ALL WORK PERFORMED ON ANY TRAFFIC SIGNAL COMPONENT MUST BE UNDER THE DIRECT ON-SITE SUPERVISION OF AN IMSA CERTIFIED TECHNICIAN. THE LEVEL OF CERTIFICATION REQUIRED SHALL BE LEVEL II.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL EXISTING UTILITIES. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES TO VERIFY IN THE FIELD THE LOCATIONS OF THEIR INSTALLATIONS 72 HOURS PRIOR TO CONSTRUCTION.

3. ALL TRAFFIC SIGNAL INSTALLATIONS SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS SPECIFICATIONS AND SPECIAL PROVISIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, VOLUMES I AND II, ADOPTED BY THE REGIONAL TRANSPORTATION COMMISSION APRIL 8, 1992 WITH ALL SUBSEQUENT REVISIONS, BRACKET MOUNTED (SIDE-MOUNTED) VEHICLE SIGNAL ASSEMBLIES WITH 2 OR MORE SIGNAL HEADS SHALL HAVE AN ADDITIONAL ELBOW AS SHOWN IN UNIFORM STANDARD DRAWING NUMBER 863 AND SHOWN AS OPTION B IN UNIFORM STANDARD DRAWING NUMBER 844, AND SHALL HAVE A MINERALLAC SUPPORT AS SHOWN IN UNIFORM STANDARD DRAWING NUMBER 863 IF ONE OF THE SIGNAL HEADS CONTAINS 4 OR MORE SIGNAL MODULES.

4. SERVICE SHALL HAVE 1-60 AMP SINGLE POLE BREAKER FOR SIGNAL, AND ONE 40 AMP SINGLE POLE BREAKERS FOR STREET LIGHTS. SERVICE SHALL BE 200 AMP PADMOUNT.

5. LINE SIDE OF METER TO BE WIRED WITH THREE #3/0 AWG THW. LOAD SIDE SHALL BE WIRED WITH FOUR #4 AWG THW (2 BLACK, 2 WHITE) AND ONE #8 AWG THW (GREEN).

6. LUMINAIRE ON ALL SIGNAL POLES SHALL BE AN APPROVED LED EQUAL TO A 400 WATT HIGH PRESSURE SODIUM CUTOFF (G.E. M400A) WITH MC-111 DISTRIBUTION PER SECTION 8.2.02.19 OF THE SPECIAL PROVISIONS. EACH LUMINAIRE SHALL HAVE AN INDIVIDUAL 1000 WATT P.E. CONTROL. FOR LUMINAIRES THERE SHALL BE 2(TWO)#4 AWG THW CONDUCTORS FROM THE SERVICE TO THE CABINET. IN THE CABINET, THE #4 AWG THW CONDUCTORS SHALL BRANCH OFF INTO #10 AWG THW CONDUCTORS INDIVIDUALLY FUSED WITH 10 AMP FUSES. THERE SHALL BE NO SPLICES BETWEEN THE CABINET AND LUMINAIRE FIXTURES.

7. THE INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE WIRED TO THE LUMINAIRES PHOTO CELL FOR CONTROL WITH #10 AWG THW COPPER STRANDED WIRE (TYPICAL). THE SIGN SHALL BE WIRED TO THE LUMINAIRE DIRECTLY ABOVE IT. IN THE EVENT THERE IS NO LUMINAIRE ON THE TRAFFIC SIGNAL POLE, THE 1000 WATT P.E. CONTROL SHALL BE MOUNTED ON THE POLE CAP. ALL NEW ILLUMINATED STREET NAME SIGNS SHALL HAVE LIGHT EMITTING DIODE (LED) LAMPS PER SECTION 623 T.02.16 OF THE SPECIAL PROVISIONS.

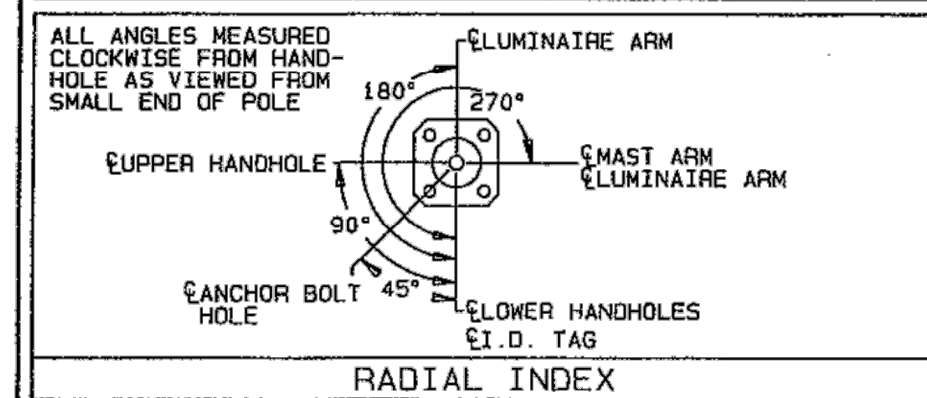
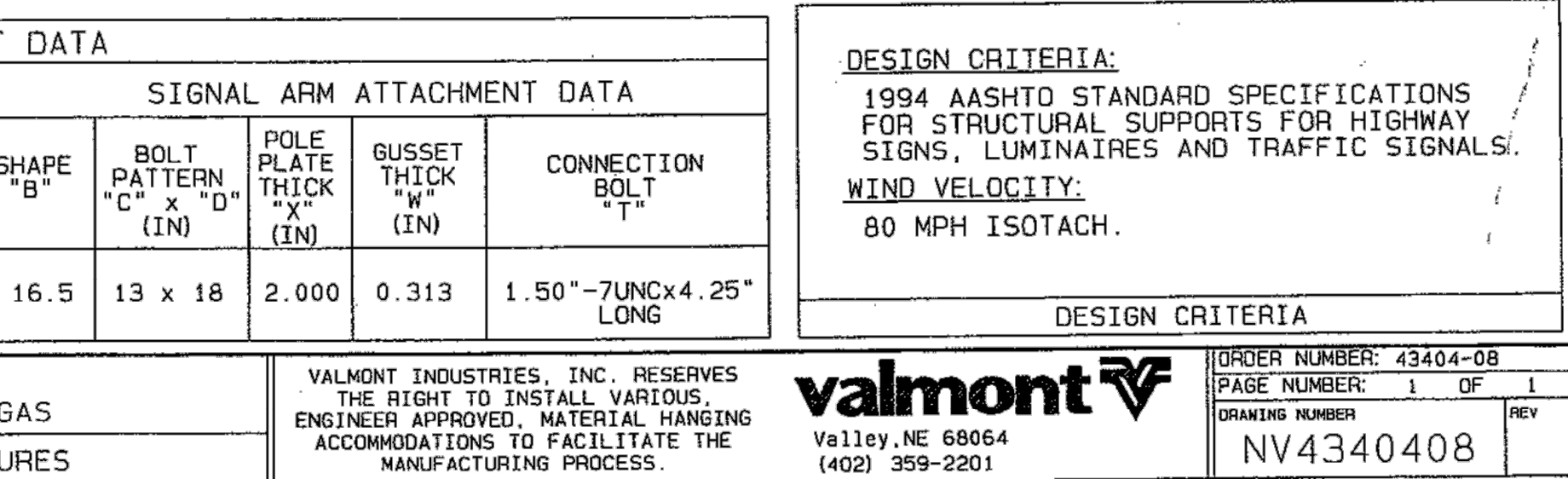


TABLE 1: POLE, BASE PLATE, ANCHOR BOLT AND ARM ATTACHMENT DATA																			
QTY.	ARM SPAN (FT)	POLE TYPE	POLE TUBE				BASE PLATE				ANCHOR BOLTS			THREAD LENGTH "U" (IN)	SIGNAL ARM ATTACHMENT DATA				
			LENGTH (FT)	BASE DIA. (IN)	TOP DIA. (IN)	WALL THICK (IN)	SQUARE "S" (IN)	BOLT CIRCLE "Y" (IN)	THK. "M" (IN)	HOLE "Z" (IN)	DIA. "K" (IN)	LENGTH "J" (IN)	HOOK "H" (IN)		PLATE SHAPE "A" x "B" (IN)	BOLT PATTERN "C" x "D" (IN)	POLE PLATE THICK "X" (IN)	GUSSET THICK "W" (IN)	CONNECTION BOLT "T"
24	50 THRU 60	XXA30 PMC	30	14.50	10.30	0.313	19.00	19.00	1.750	2.25	2.00	66.00	6.00	10.00	21.5 x 16.5	13 x 18	2.000	0.313	1.50"-7UNCx4.25" LONG

				SOLD TO: HD SUPPLY WATERWORKS		JOB	CLV ANNUAL CITY OF LAS VEGAS	VALMONT INDUSTRIES, INC. RESERVES THE RIGHT TO INSTALL VARIOUS, ENGINEER APPROVED, MATERIAL HANGING ACCOMMODATIONS TO FACILITATE THE MANUFACTURING PROCESS.
				SHIP TO: CITY OF LAS VEGAS-TEFO				
				P.O. #: 3762447				
R059 05/20/08				CHECK BY: 08		TITLE	TRAFFIC STRUCTURES	
REV	ORIGIN BY-DATE	CHECK BY-DATE	DESCRIPTION					
				AGENT: NEVADA SALES AGENCY				

3. CHECK CONDUIT AND CABLE SCHEDULE FOR CONDUIT, CABLE, AND WIRE SIZE. VERIFY ALL EXISTING CONDUIT RUNS.
9. ALL PULLBOXES SHALL BE IN ACCORDANCE WITH UNIFORM STANDARD DRAWINGS NO. 705, NO. 706, AND NO. 707.
10. TRAFFIC SIGNAL CABLE SHALL BE 15 OR 25 CONDUCTOR #14 AWG SOLID (TYPICAL) CABLE AND SHALL CONFORM TO IMSA SPEC. NO. 20-1.
11. PEDESTRIAN PUSH BUTTONS SHALL BE AUDIBLE TACTILE "POLARA NAVIGATOR" TYPE (2 WIRE SYSTEM) OR CAMPBELL COMPANY ADVANCED ACCESSIBLE PEDESTRIAN SYSTEM BUTTONS WITH AAPS APC (CONTROLLER) IN ACCORDANCE WITH CITY OF LAS VEGAS SPECIAL PROVISIONS AND SECTION 823 OF THE CCA USS. PUSH BUTTON SIGNS SHALL BE R10-36 PER MUTCD, 2009 EDITION, WITH FULL MOUNTING BRACKETS, as modified by THE MANUFACTURER to fit on a 9"x12" sign, and shall be porcelain-enamelled metal. ALL PUSH BUTTONS TO BE MOUNTED 42" ABOVE SIDEWALK. THE MAXIMUM HORIZONTAL REACH DISTANCE IS TO BE 10". SIDEWALK RAMPS WILL BE ACCORDING TO U.S.D. No. 235 (1-4) LATEST EDITION. WHEN AN EXISTING SIGNAL WITH EXISTING AUDIBLE-TACTILE PUSH BUTTONS IS MODIFIED, THE CONTRACTOR SHALL VERIFY NEW PEDESTRIAN PUSH BUTTONS OR CABINET EQUIPMENT MATCHES THE MANUFACTURE AND MODEL OF ANY EXISTING EQUIPMENT SCHEDULED TO REMAIN, TO PROVIDE A FULLY FUNCTIONING SYSTEM. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL CABINET EQUIPMENT, INCLUDING THE PEDESTRIAN PUSH BUTTON CONTROL UNIT, INTERFACE PANEL AND ANY REQUIRED HARNESSSES, TO PROVIDE A FULLY FUNCTIONING SYSTEM.
12. THE ROUTING AND TERMINATION OF CONDUITS AND THE PLACING OF POLES AND CABINETS' SHALL BE AS INDICATED ON THE PLANS. ALL CHANGES SHALL BE APPROVED BY THE ENGINEER.
13. MAST ARM R10-12 SIGNS TO BE ADJACENT (NO GAP) TO THE M-5 SIGNAL HEAD. WHERE FLASHING YELLOW ARROW LEFT TURN SIGNALS ARE USED, A MAST ARM R10-12F "LEFT TURN YIELD ON FLASHING YELLOW ARROW" SIGN SHALL BE MOUNTED ADJACENT TO THE M-4 SIGNAL HEAD.
14. TRAFFIC SIGNAL CABINET SHALL BE A TYPE VII CABINET UNLESS OTHERWISE SPECIFIED IN THE PLANS. THIS IS COMMONLY REFERRED TO AS AN "R" CABINET. THE CABINET SHALL CONFORM TO THE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS AND THE CITY OF LAS VEGAS SPECIAL PROVISIONS. INSTALL CABINET NEAR THE R.O.W. LINE OR AS SHOWN ON THE DRAWINGS. THE TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE EQUIPPED WITH 16 LOAD BAY POSITIONING, SHALL BE A 48 DETECTOR CHANNEL R CABINET AND SHALL INCLUDE TWO (2) RACK MOUNTED 12 SLOT, LOOP DETECTION RACKS, WITH 2 DETECTOR LOOP CHANNELS PER SLOT FULLY WIRED SO THAT ALL CHANNELS ARE USABLE AND 4 CHANNEL SLOTS THAT CAN ACCOMMODATE VIDEO DETECTION CARDS. THE CABINET SHALL CONTAIN A 784 OPTICOM PHASE SELECTOR IN A 760 RACK, WITH A 768 AUXILIARY INTERFACE PANEL MOUNTED IN THE CABINET AND FULLY WIRED FOR GREEN SENSE CAPABILITIES.



15. THE CONTRACTOR SHALL SUPPLY A MALFUNCTION MANAGEMENT UNIT (MMU) TO THE CITY OF LAS VEGAS TRAFFIC SIGNAL REPAIR SHOP A MINIMUM OF FOURTEEN DAYS PRIOR TO SIGNAL TURN-ON OR PRIOR TO CONVERTING TO A NEW PHASING SCHEME, FOR TESTING AND PROGRAMMING PURPOSES. THE MMU SHALL BE A MODEL MMU-1600GE AS MANUFACTURED BY RENO A&E, OR APPROVED EQUAL. THE CONTRACTOR SHALL DELIVER MMU TO, AND PICKUP THE CONTROLLER AT 2824 E. CHARLESTON BOULEVARD. CONTRACTOR SHALL NOTIFY THE TRAFFIC SIGNAL REPAIR SHOP (229-6076) SEVEN DAYS PRIOR TO PICKUP. THE CITY, AT ITS DISCRETION, MAY PROVIDE A DIFFERENT MODEL OF MMU FOR INITIAL TURN-ON, IN WHICH CASE CITY PERSONNEL WILL SWAP THE MMU AFTER THE PROJECT IS ACCEPTED.

16. CONTRACTOR SHALL POTHOLE SIGNAL POLE LOCATIONS PRIOR TO ORDERING OF POLES.

17. ALL MAST ARMS TO BE HOT-DIP GALVANIZED BY THE MANUFACTURER THE MAST ARM IS TO BE FABRICATED WITH END TENON ONLY. THE END TENON SHALL BE FACTORY INSTALLED AND THE REMAINING TENONS SHALL BE FABRICATED IN THE FIELD AT THE LOCATION SHOWN ON THE PLANS OR AS DIRECTED BY THE TRAFFIC ENGINEER AND/OR HIS AUTHORIZED REPRESENTATIVE. FOR TENON FABRICATION DETAILS SEE CLARK COUNTY AREA U.S.D. NO. 808 SHEET 2. ALL WELDING SHALL CONFORM TO AWS D 2.0, "SPECIFICATION FOR WELDED HIGHWAYS AND RAILWAY BRIDGES," AND TO ANY ADDITIONAL REQUIREMENTS OF SECTION 623 OF THE SPECIFICATIONS. ALL EXPOSED WELDS, SHALL BE PAINTED AS PROVIDED FOR REPAIRING DAMAGED GALVANIZED SURFACES.

18. ALL VEHICLE AND PEDESTRIAN SIGNAL INDICATIONS SHALL HAVE LIGHT EMITTING DIODE (LED) TYPE INDICATIONS, IN CONFORMANCE TO CITY OF LAS VEGAS SPECIAL PROVISIONS AND TO SECTION 623 OF THE CCA USS. ALL PEDESTRIAN SIGNAL FACES SHALL PROVIDE "WALKING PERSON", "HAND", AND "COUNTDOWN" MESSAGES AS PROVIDED BY DURALIGHT MODEL #JXM-400-VIEL OR DIALIGHT MODEL #430-8479-001X, OR APPROVED EQUAL. THE "COUNTDOWN" MESSAGE SHALL NOT FLASH. WHERE EXISTING SIGNALS ARE MODIFIED, THE CONTRACTOR SHALL VERIFY THAT LED PEDESTRIAN INDICATIONS FOR A SPECIFIC PHASE ARE OF THE SAME MANUFACTURE SO THAT THEY FUNCTION CORRECTLY, OR SHALL REPLACE ALL COUNTDOWN PEDESTRIAN INDICATIONS FOR THAT PHASE.

19. VIDEO DETECTION SYSTEM WILL BE EITHER ITERIS EDGE 2 WITH ADDRESSCONNECT PAK, (IP ADDRESSABLE); PEEK VIDEOTRACK IC (WITH ETHERNET PORT); OR TRAFICON VIP WITH VIEWCOM (IP ADDRESSABLE). WHEN VIDEO DETECTION IS SPECIFIED ON THE TRAFFIC SIGNAL PLANS, ALL VIDEO DETECTION SYSTEMS WILL BE STAND ALONE SYSTEMS TO INCLUDE ALL NECESSARY EQUIPMENT TO PROGRAM THE VIDEO DETECTION SYSTEM. A PROGRAMMING 'MOUSE', KEYPAD OR LAPTOP COMPUTER (IF REQUIRED FOR PROGRAMMING THE VIDEO DETECTION SYSTEM) AND APPROPRIATE SOFTWARE WILL BE SUPPLIED WITH EACH VIDEO SYSTEM. PERSONAL COMPUTERS (PCs) MAY NOT BE SUBSTITUTED FOR LAPTOPS. A VIDEO MONITOR (COLOR FLAT SCREEN) 9" TO 13" WILL BE SUPPLIED WITH EACH VIDEO DETECTION SYSTEM. EACH VIDEO CAMERA WILL HAVE POWER AND VIDEO CABLE DIRECTLY FROM THE CABINET. COAXIAL CABLE WILL BE TYPE 8281 (SOLID CENTER CONDUCTOR). CAMERAS THAT USE A PREFABRICATED CABLE INTEGRATING POWER AND COAXIAL CABLE INTO A SINGLE WEATHERPROOF CONNECTOR ARE ACCEPTABLE. 'BNC' ARE THE ONLY ACCEPTABLE TERMINATION OF COAXIAL CABLES. CAMERAS WILL BE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS AND PER CLV TRAFFIC ENGINEER APPROVAL. VIDEO CAMERAS SHALL BE COLOR AND SHALL BE MOUNTED ON A MOUNTING BRACKET OR MOUNTING BRACKET WITH AN ADJUSTABLE MOUNTING BRACKET (TYPE AS-0166-S-52 OR EQUIVALENT). THE LOCATION OF THE CAMERA ON THE MAST ARM SHALL BE APPROVED BY THE TRAFFIC SIGNAL SUPERVISOR. A VIDEO FILTER (X606-BVNC OR EQUIVALENT) WILL BE INSTALLED IN THE SIGNAL CABINET FOR EACH CAMERA VIDEO INPUT. VIDEO DETECTION PROCESSORS AND COMMUNICATIONS CARDS SHALL BE PROVIDED WITH THE LATEST VERSIONS OF THE MANUFACTURER'S SOFTWARE. THE CONTRACTOR SHALL AIM CAMERAS AND PROGRAM AND CONFIGURE THE VIDEO DETECTION PROCESSORS TO PROVIDE A FULLY FUNCTIONING SYSTEM.

20. WHERE NEW LOOPS WILL BE OVERLAID WITH NEW PAVEMENT, LOOP DETECTORS SHALL BE PREFORMED LOOPS AS MANUFACTURED BY RENO A & O OR NEVER-FAIL LOOP SYSTEMS, AND ALL LOOPS SHALL BE INSTALLED IN THE ROADWAY PRIOR TO THE COMPLETION OF THE FINAL PAVEMENT LIFT. WHERE NEW LOOPS ARE INSTALLED THAT ARE NOT OVERLAID WITH NEW PAVEMENT, THE LOOP SHALNT BE INSTALLED IN THE PAVEMENT LIFT. SECTION 6237.02.04 OF THE CLV SPECIAL PROVISIONS, LOOP LEAD-IN CABLE SHALL BE 6-PAIR TRAFFIC WIRING MULTIPLE CONDUCTOR CABLE AS SPECIFIED IN SECTION 6237.02.04 OF THE CLV SPECIAL PROVISIONS. ALL WIRING HARNESSES, RACK POSITIONS, AND LOOP LEAD-IN CABLE SHALL BE CLEARLY MARKED AS TO THE APPROPRIATE PHASE AND LETTER DESIGNATION TO WHICH IT BELONGS AS SHOWN ON THE TRAFFIC SIGNAL PLANS. LOOPS SHALL BE LOCATED AS SHOWN ON THE TRAFFIC SIGNAL PLANS AND APPROVED BY THE CLV TRAFFIC ENGINEERING DIVISION PRIOR TO INSTALLATION. REFER TO SECTION 6237.02.04 OF THE CLV SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.

21. OPTICAL PREEMPTION UNITS WILL BE GLOBAL TRAFFIC TECHNOLOGIES (ENCODING CAPABLE), MODEL 764 OPTICOM PHASE SELECTOR INSTALLED IN A MODEL 760 RACK WITH A MODEL 768 AUXILIARY INTERFACE PANEL (AIP) MOUNTED IN THE CABINET AND FULLY WIRED FOR GREEN SENSE CAPABILITIES. OPTICAL SENSORS WILL BE MODEL 721 WITH ONE DETECTOR PER DIRECTION, UNLESS SHOWN OTHERWISE IN THE PLANS, AND WILL BE INTERFACED TO THE TRAFFIC SIGNAL CONTROLLER CABINET WITH M-138 CABLE. THE SOUTHBOUND OPTICOM DETECTOR SHALL BE WIRED TO INPUT PREEMPTS ON CHANNEL 1 IN THE PHASE SELECTOR, EASTBOUND ON CHANNEL 2, NORTHBOUND ON CHANNEL 3, AND WESTBOUND ON CHANNEL 4, UNLESS VARIATIONS ARE APPROVED BY THE TRAFFIC SIGNAL SUPERVISOR. WHEN 764 PHASE SELECTORS ARE ADDED TO A CABINET WITHOUT A 768 AIP, THE CONTRACTOR SHALL INSTALL AND WIRE A NEW 768 AIP.

22. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY CONSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED AT THE CONTRACTORS EXPENSE TO THE SATISFACTION OF THE CITY.

23. INTERCONNECT CABLE SHALL BE AS SHOWN IN THE WIRE SCHEDULE

24. THE CONTRACTOR SHALL INSTALL CROSSWALKS, STOP BARS, STRIPING AND SIGNS AS IDENTIFIED ON THE PLANS

25. WHERE THE PLANS CALL FOR REMOVAL AND SALVAGE OF EXISTING TRAFFIC SIGNAL EQUIPMENT, THE CONTRACTOR SHALL CONTACT KARL KELLEY, THE TRAFFIC SIGNAL SUPERVISOR, AT 702-229-4086 TO ARRANGE FOR DELIVERY TIMES AND LOCATIONS.

26. THE CONTRACTOR SHALL MAINTAIN EXISTING SIGNALS THROUGH THE LIFE OF THE PROJECT PER SECTION 623 G.03.01N OF THE CLV SPECIAL PROVISIONS.

REVISÉ 4/27/16

30% Submittal
"NOT FOR CONSTRUCTION"
December 2016



PROFESSIONAL ENGINEER-STATE OF NEVADA
ROBERT C. HOSNA III
E.C. 06/30/17
CIVIL
No. 10112

SHEET

T07

46 OF 61

CATEGORY	DESCRIPTION
----------	-------------

LEVEL 2 This will be manual controls only wall switched dual on/off and dimming on/off controls for one to three zones. For Roadway photocell on and time clock off.

LEVEL 4 This will incorporate multiple zones with a control touch panel with multiple scene controls. This will also include occupancy sensors in ceiling, daylight harvesting photocell controlled as well as manual on/off controls for daylight zones (multiple if applicable). This is for multiple zones and rooms or areas

OF SPACE/ZONE	LIGHTING CATEGORY	LIGHTING	FOOT CANDELS (FC)	CONTROLS	COMMENTS
ROADWAY	ROADWAY	LED	0.2	LEVEL 3	CONTROLS ONLY ON/OFF NO DIMMING
ARTIST ZONE	PEDESTRIAN	LED	0.5	LEVEL 3	
STAGE AREA	PEDESTRIAN	LED	1	LEVEL 3	
PLAYGROUND	PEDESTRIAN	LED	2	LEVEL 3	

DIM=DIMMING 0-10V

AND RTC STANDARD

LIGHTING FIXTURE SCHEDULE - EXTERIOR									
		Copyright: 2016 TJK Consulting Engineers, Inc.							
FIXTURE ID	TYPE	MANUFACTURER AND CATALOG No.	LAMPS					VOLTS	NOTES
			NO.	WATT	TYPE/CRI/LLM	LUMENS	COLOR		
S1	ROADWAY AND PATHWAY								CONTEMPORARY STYLE IN LIGHTING
S2	ROADWAY AND PATHWAY								CITY OF LAS VEGAS MAIN STREET LIGHT FIXTURE
S3	PATHWAY LED								LIGHT COLUMNS
S4	PEDESTRIAN								AREA LIGHTING
S5	STAGE/ART AREA LIGHTING								ART COLUMNS WITH AREA LIGHTING STAGE
S6	RAMADA LIGHTING								CONTEMPORARY CANOPY LIGHTING
									All Ballast to be EISA Compliant

SHEET INDEX		30% CD 11/29/2016
SHEET NUMBER	SHEET TITLE	
E0	GENERAL INFORMATION	●
E1	ELECTRICAL PLANS	●
E2	ELECTRICAL PLANS	●
E3	ELECTRICAL PLANS	●



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 WWW.VTNRV.COM



DEPARTMENT OF PUBLIC WORKS
333 N. RANCHO DRIVE
LAS VEGAS, NV 89106
702-229-6272

CITY OF LAS VEGAS

BID# #####

DESIGNED BY: TJ

CLASSIFIED BY: T

3RD STREET IMPROVEMENT CHARLESTON TO HOOVER

GENERAL INFORMATION

SHEET

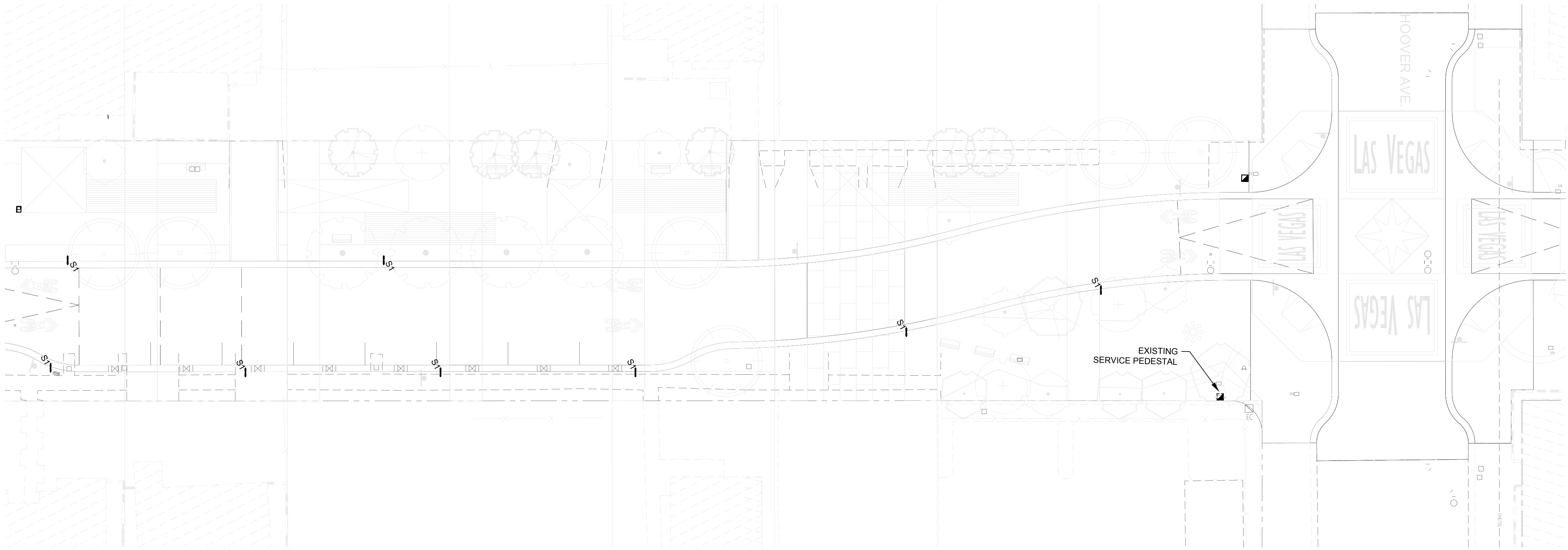
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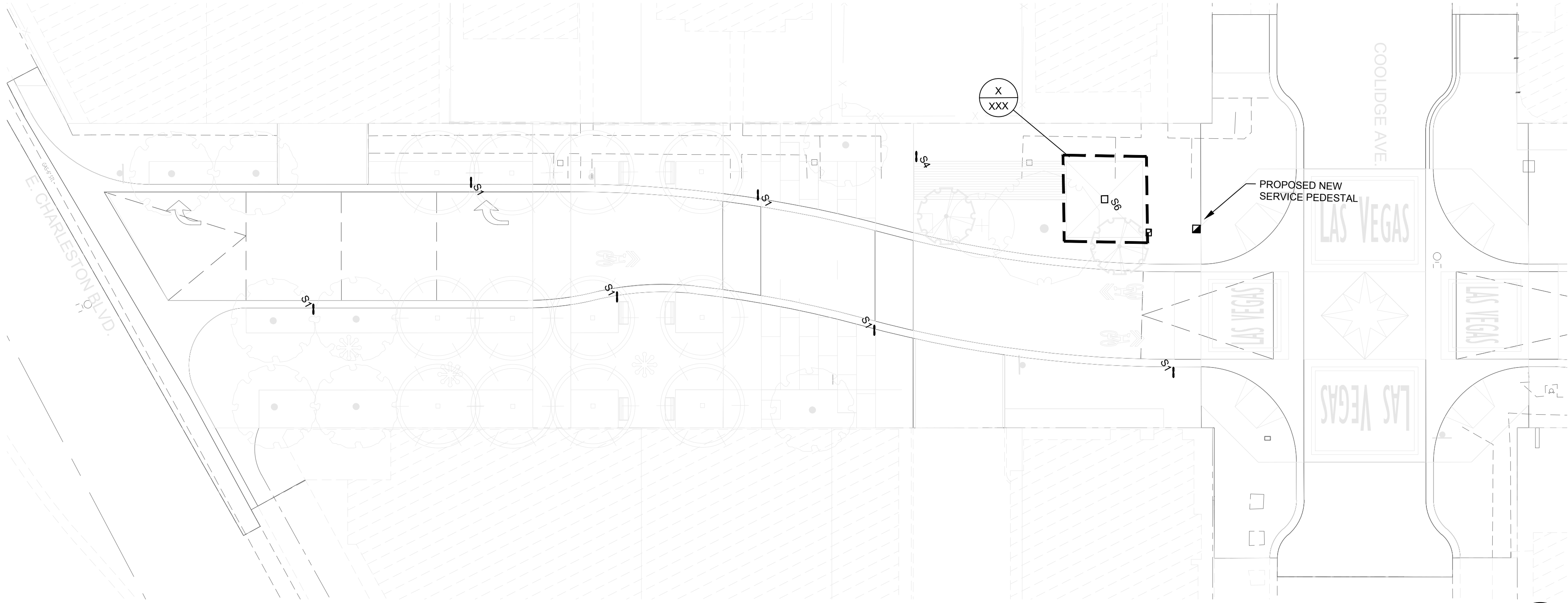
DRAWING NO.

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ELECTRICAL PLANS

SCALE: 1"=20'-0"



ELECTRICAL PLANS

SCALE: 1"=20'-0"



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S4-PEDESTRIAN ARTIST AREA



S4-PEDESTRIAN



S1-STREET LIGHT
WITH PEDESTRIAN

3RD STREET IMPROVEMENT CHARLESTON TO HOOVER

CITY OF LAS VEGAS

PREPARED BY
VUN
2727 SOUTH RAINBOW BOULEVARD
LAS VEGAS, NEVADA 89146-5148
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NO.	DATE	REVISIONS

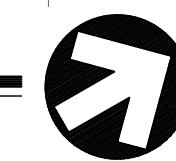
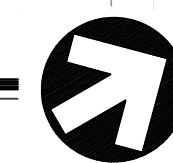
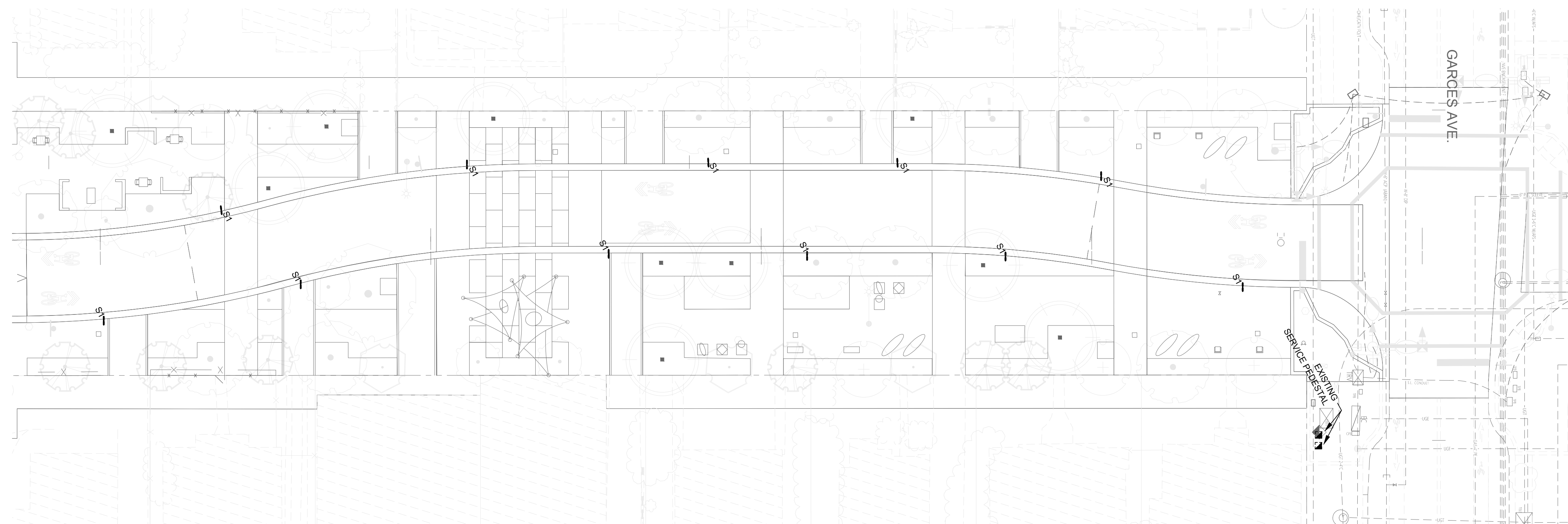
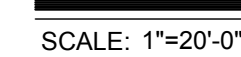
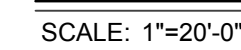
DEPARTMENT OF PUBLIC WORKS
333 N. RANCHO DRIVE
LAS VEGAS, NEVADA 89105
702-229-8272

H#	###	BID#	###
DATE:	##	DESIGNED BY:	TJK
SUBMITTAL STAGE:	50% DD	DRAWN BY:	TJK
CHECKED BY:	TA		

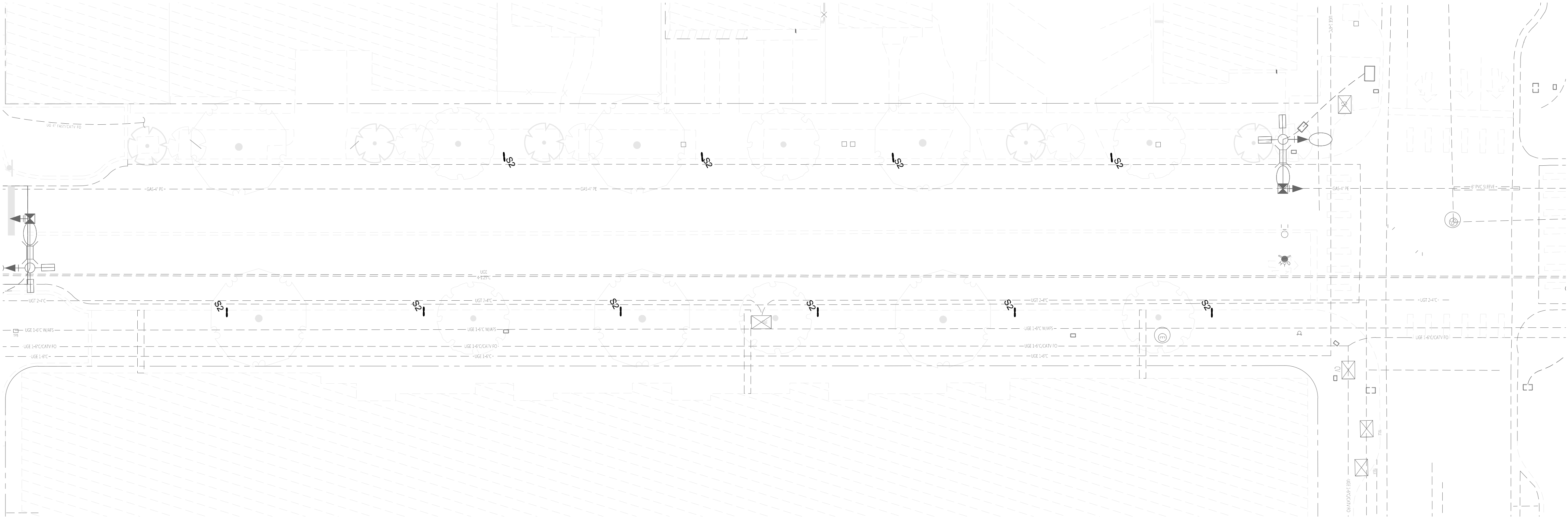
ELECTRICAL PLANS

NOT FOR CONSTRUCTION

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OF ##
DRAWING NO.
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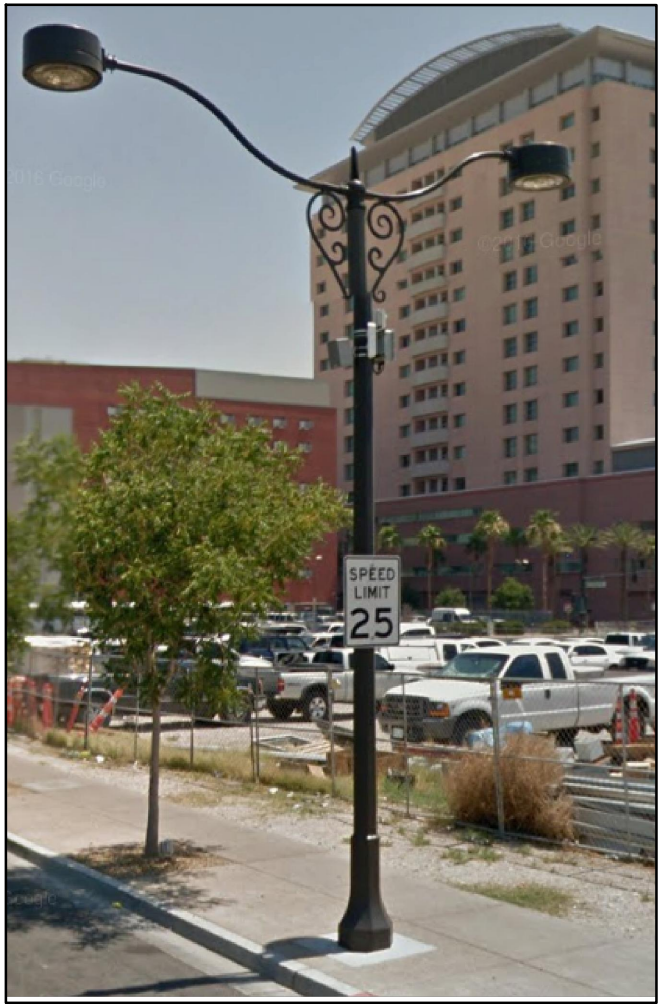


NOT FOR CONSTRUCTION		SHEET	3RD STREET IMPROVEMENT CHARLESTON TO HOOVER		ELECTRICAL PLANS		SHEET
DRAWING NO. ## OF ##		E2					

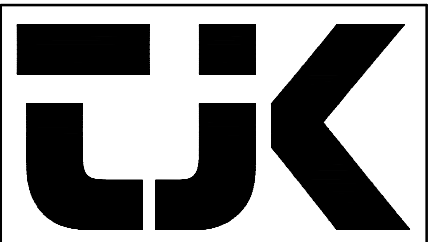


ELECTRICAL PLANS

SCALE: 1"=20'-0"



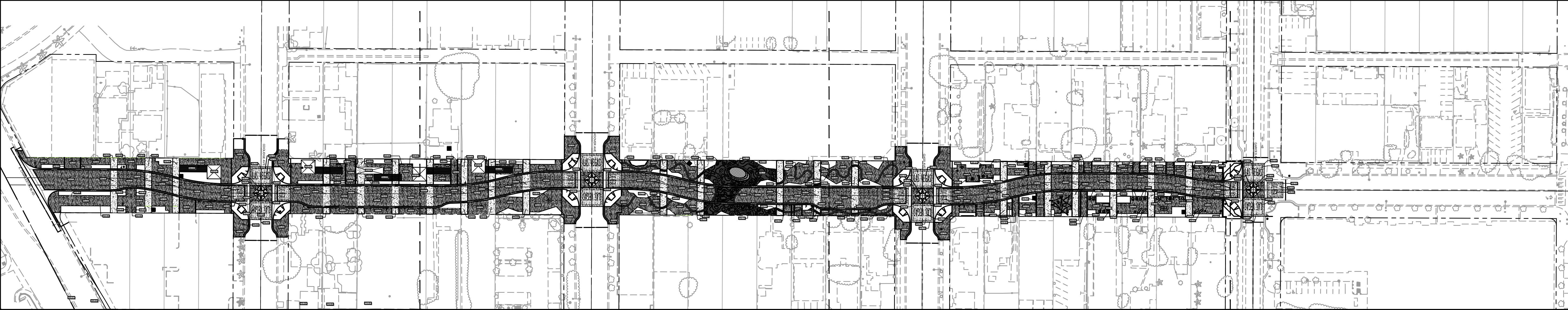
S2-CLV STANDARD MAIN STREET



8728 Spanish Ridge Avenue
Suite 100
Las Vegas, NV 89148
P: 702.871.3621
F: 702.871.8353
www.tjken.com
TJK # 16040

NOT FOR CONSTRUCTION		SHEET		E3		## OF ##		DRAWING NO.		##	
		SHEET		E3		## OF ##		DRAWING NO.		##	
3RD STREET IMPROVEMENT CHARLESTON TO HOOVER		H# ###		DATE: ##		DESIGNED BY: TJK		DRAWN BY: TJK		CHECKED BY: TA	
		H# ###		SUBMITTAL STAGE: 50% DD		DESIGNED BY: TJK		DRAWN BY: TJK		CHECKED BY: TA	
CITY OF LAS VEGAS		H# ###		DATE: ##		DESIGNED BY: TJK		DRAWN BY: TJK		CHECKED BY: TA	
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		H# ###		SUBMITTAL STAGE: 50% DD		DESIGNED BY: TJK		DRAWN BY: TJK		CHECKED BY: TA	
2227 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148 PH: (702) 878-7550 WWW.VTNV.COM		H# ###		DATE: ##		DESIGNED BY: TJK		DRAWN BY: TJK		CHECKED BY: TA	
		H# ###		SUBMITTAL STAGE: 50% DD		DESIGNED BY: TJK		DRAWN BY: TJK		CHECKED BY: TA	
DEPARTMENT OF PUBLIC WORKS 333 N. RANCHO DRIVE LAS VEGAS, NV 89101 702-229-8272		H# ###		DATE: ##		DESIGNED BY: TJK		DRAWN BY: TJK		CHECKED BY: TA	
		H# ###		SUBMITTAL STAGE: 50% DD		DESIGNED BY: TJK		DRAWN BY: TJK		CHECKED BY: TA	
NO. 1		DATE		NO. 1		DATE		NO. 1		DATE	
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		NO. 1		DATE		NO. 1		DATE		NO. 1	

N:\2016\16-028 THIRD STREET LINEAR PARK CHARLESTON TO HOOVER\CORRESPOND\LAND INVENTIONS\INBOX\20161220 PROGRESS PLANS\3RD STREET CONSTRUCTION_SLA.DWG
12/20/16



KEY MAP

CONSTRUCTION LEGEND

REFERENCE_NOTES_SCHEDULE			
CODE	DESCRIPTION	QTY	DETAIL
PA-01	PAVER "A" PRECAST UNIT PAVERS TO BE LOCATED IN THE STREET PROFILE BELGARD PAVERS - MODULINE SEE DETAILS FOR COLOR BLEND AND PATTERN LAYOUT	33,494 SF	L1.03 A,B
PA-02	PAVER "A" PRECAST UNIT PAVERS TO BE LOCATED IN THE SIDEWALK PROFILE BELGARD PAVERS - MODULINE SEE DETAILS FOR COLOR BLEND AND PATTERN LAYOUT	42,579 SF	L1.03 A,B
PA-03	10' WIDE COLORED CONCRETE BANDS LOCATED IN THE STREET WITH COLORED EXPOSED AGGREGATE. DAVIS COLOR TBD	5,613 SF	L1.03 A,C,E,G
PA-04	10' WIDE COLORED CONCRETE BANDS LOCATED IN THE SIDEWALK WITH COLORED EXPOSED AGGREGATE. DAVIS COLOR TBD	10,174 SF	L1.03 A,C,E,G
PA-05	LEOPARD SKIN PATTERN COLORED CONCRETE IN STREET - 50% DARK PANELS & 50% LIGHT PANELS FINISH: MEDIUM BROOM, DAVIS COLOR: DARK - GRAPHITE LIGHT - MESQUITE	668 SF	L1.03 C,E,F
PA-06	LEOPARD SKIN PATTERN COLORED CONCRETE IN SIDEWALK - 50% DARK PANELS & 50% LIGHT PANELS FINISH: MEDIUM BROOM, DAVIS COLOR: DARK - GRAPHITE	3,621 SF	L1.03 C,E,F
PA-09	COLORED CONCRETE STEPS AND STAGE WITH GLOW-IN-THE-DARK AGGRGATE SEEDED INTO SURFACE. BASE COLOR: DAVIS - COBBLESTONE	507 SF	L1.03 C,D,E
PA-10	24" WIDE WAVY BAND OF COLORED CONCRETE LOCATED IN THE STREET FINISH: SMOOTH COLOR: DAVIS ADOBE	101 SF	L1.03 C,E
PA-11	24" WIDE WAVY BAND OF COLORED CONCRETE LOCATED IN THE SIDEWALK FINISH: SMOOTH COLOR: DAVIS ADOBE	1,739 SF	L1.03 C,E
PA-12	COLORED CONCRETE FIELD AT INTERSECTION FINISH: MEDIUM BROOM COLOR: DAVIS CHARCOAL	7,298 SF	L1.03 C,E
PA-13	36" WIDE COLORED CONCRETE BAND FINISH: SMOOTH COLOR: DAVIS MESQUITE	4,457 SF	L1.03 C,E
PA-14	REFLECTIVE WHITE THERMOPLASTIC TAPE - FOR THE "LAS VEGAS" CROSSWALKS AND INTERSECTION STARS.		
PA-15	6" WIDE CONCRETE "DRIVEWAY" BAND WITH SMOOTH FINISH, STANDARD GRAY COLOR	652 LF	L1.03 C,E

SITE AMENITIES			
CODE	DESCRIPTION	QTY	DETAIL
SA-01	20' X20' SHADE STRUCTURE WITH PARASOLEIL PANEL ROOF AND ART WALLS	4	L1.04 H,I,J,K
SA-02	10' X 40' SHADE STRUCTURE WITH PARASOLEIL PANEL ROOF AND ART WALLS	1	L1.04 H,I,J,K
SA-03	BENT PIPE TRELLIS FEATURE CONNECTED TO SHADE STRUCTURE	5	L1.05 L,M,N
SA-04	BENCH	9	L1.06 Q,R
SA-06	ART NODE, ART TO BE COMMISSIONED AND INSTALLED AT A LATER DATE	8	
SA-07	PING PONG TABLE	1	L1.06 S
SA-08	FOOSBALL	2	L1.06 T
SA-09	CORNHOLE	3	L1.06 U
SA-10	ARTISTIC SWINGS	6	L1.06 P
SA-11	POWER GENERATING EXERCISE EQUIPMENT TO BE COMMISSIONED AND INSTALLED AT A LATER DATE	9	L1.06 O
SA-12	GAME TABLES	5	L1.06 X,Y
WALLS, FENCES, & ENCLOSURES			
CODE	DESCRIPTION	QTY	DETAIL
WF-01	CONCRETE SEATWALLS	97 LF	L1.06 V,W

FOOTNOTES

- COLORS, FINISHES, MATERIALS, AND MANUFACTURERS ARE SHOWN FOR BID PURPOSES ONLY. FINAL COLORS, FINISHES, MATERIALS, AND MANUFACTURES SHALL BE DETERMINED DURING SUBMITTAL REVIEW AND/OR AFTER FIELD MOCKUPS(IF REQUIRED).
- MOCKUP REQUIRED SHOWING FINAL APPEARANCE INCLUDING ALL APPLICABLE COLORS, FINISHES, AND SEALERS.
- ALL PLAY EQUIPMENT TO BE INSTALLED BY A CERTIFIED INSTALLER FOR THE BRAND AND TYPE OF EQUIPMENT CHOSEN. INSTALL PER MANUFACTURERS SPECIFICATIONS.

CONSTRUCTION NOTES

- CONTRACTOR SHALL OBTAIN AND COORDINATE ALL NECESSARY PERMITS, INSPECTIONS AND APPROVALS REQUIRED FOR THIS WORK. ALL CONSTRUCTION SHALL BE PERFORMED ACCORDING TO LOCAL CODES AND ORDINANCES.
- INSTALL ALL PARK EQUIPMENT AND COMPONENTS IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS. INSTALL ALL PARK EQUIPMENT AND COMPONENTS AT LOCATIONS SHOWN ON DRAWINGS; PROPERLY ALIGNED AND SPACED; PLUMBED VERTICALLY, COMPLETE AND READY FOR USE. SEE PLAN ENLARGEMENT SHEETS FOR ADDITIONAL SITE FURNITURE LOCATIONS. SECURE OWNERS APPROVAL OF LOCATIONS PRIOR TO MOUNTING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE LAYOUT OF THE PROJECT; FOR ESTABLISHING ALL REFERENCE POINTS AND LINES SET FOR CONSTRUCTION. SEE CIVIL DRAWINGS FOR HORIZONTAL CONTROL, GRADING AND UTILITY DRAWINGS. VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
- VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES AND SERVICES PRIOR TO ANY EXCAVATION OR CONSTRUCTION. CONTRACTOR TO COORDINATE WITH OFF-SITE IMPROVEMENTS AND UTILITIES, INCLUDING STREET LIGHTING. CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ALL DAMAGE CAUSED BY THE FAILURE TO DO SO.
- SEE ELECTRICAL SHEETS FOR LIGHT AND ELECTRICAL INFORMATION.

CONSTRUCTION LEGEND

	ELEVATION NUMBER
	SHEET NUMBER
	SECTION NUMBER
	SHEET NUMBER
PA	PLANTER AREA
H-1	INDICATES MATERIAL / AMENITY REFERENCE (SEE SCHEDULE AS NOTED)



3RD STREET IMPROVEMENTS HARDSCAPE LEGEND AND NOTES

NOT FOR CONSTRUCTION

SHEET
L1.00
OF
DRAWING NO.
16-028

PREPARED BY
southwick
LANDSCAPE ARCHITECTS

DEPARTMENT OF PUBLIC WORKS
333 N. RANCHO DRIVE
LAS VEGAS, NV 89106
702.228.6272

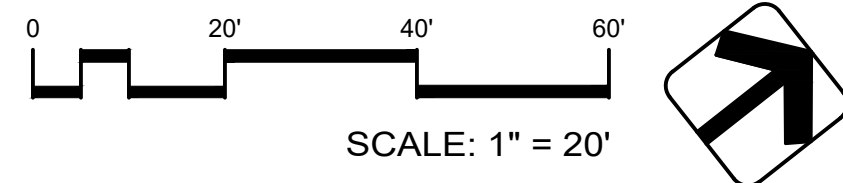
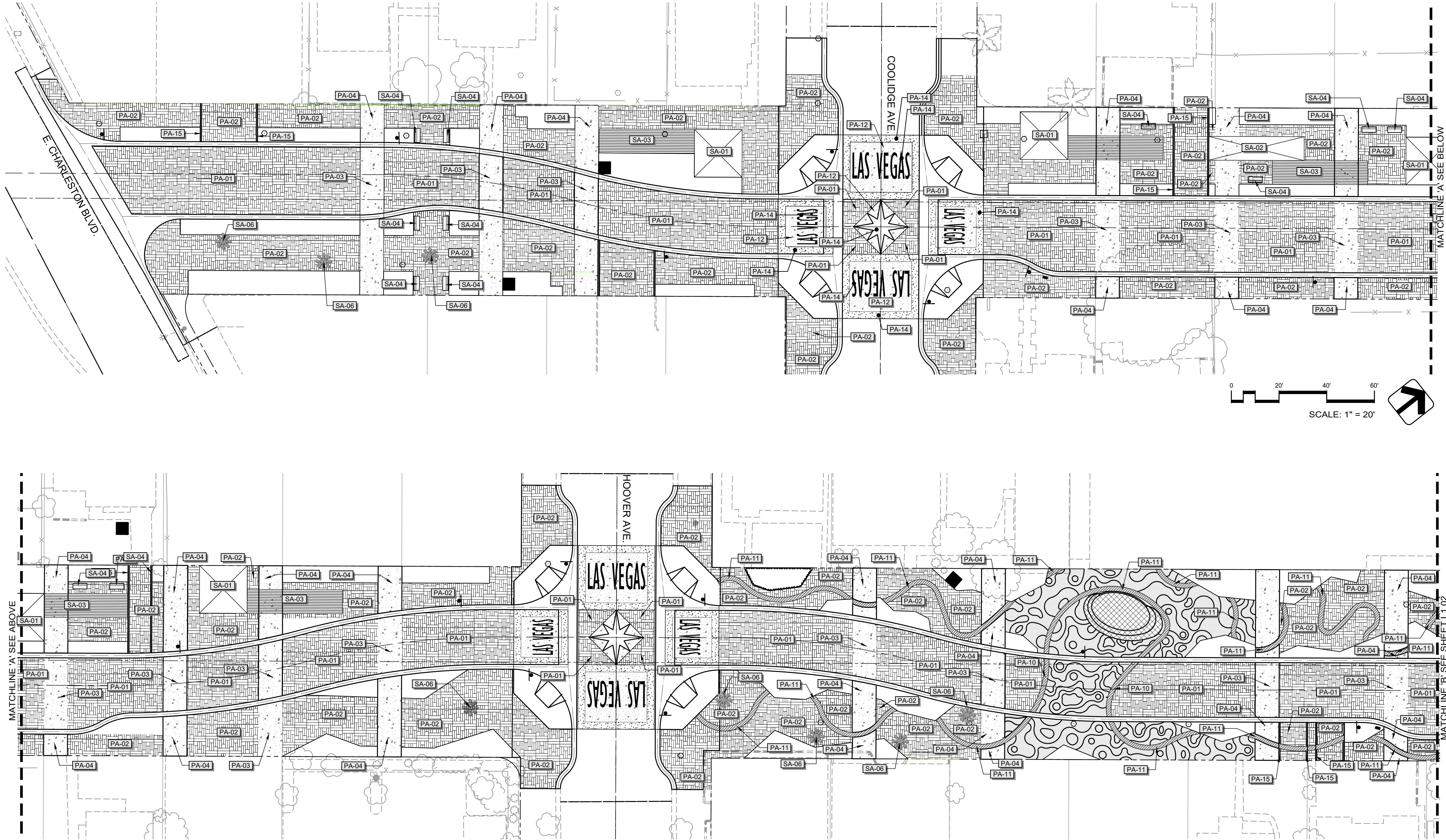


DESIGNED BY: SWS
DRAWN BY: RDL/JVC
CHECKED BY: SWS

DATE: DECEMBER 2016
SUBMITTAL STAGE:
30% DRAWINGS

NO. DATE REVISIONS

N:\2016\15-028 THIRD STREET LINEAR PARK CHARLESTON TO HOOVER\CORRESPOND LAND INVENTIONS\INBOX\20161220 PROGRESS PLANS\3RD STREET CONSTRUCTION_SLA.DWG
12/20/16



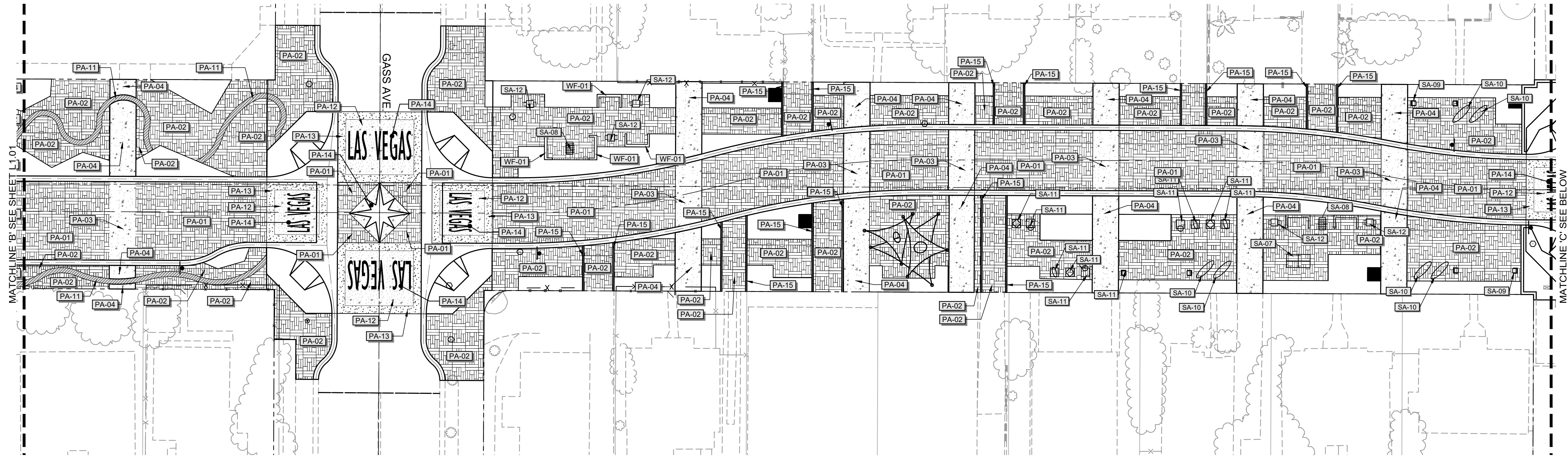
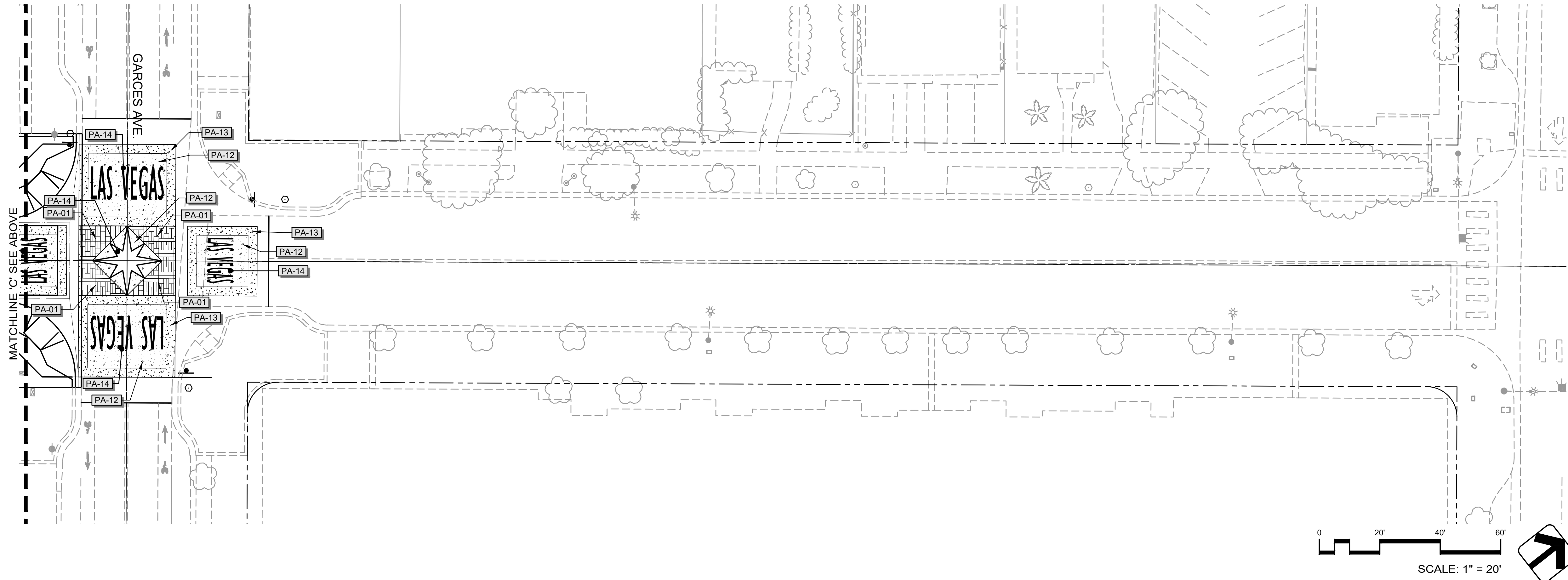
Call before you Dig
Call
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1-800-227-2600

AVOID HITTING OVERHEAD
POWER LINES. IT'S COSTLY.
CALL BEFORE
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OVERHEAD
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FAST
Call
before you
UnderGround
1-702-432-5300
TERRACE AND WESTERN
SYSTEM OF TRANSPORTATION

PREPARED FOR CITY OF LAS VEGAS		DESIGNED BY: SWS DRAWN BY: RDL/JVC CHECKED BY: SWS		DATE: DECEMBER 2016 SUBMITTAL STAGE: 30% DRAWINGS		DESIGNED BY: SWS DRAWN BY: RDL/JVC CHECKED BY: SWS		NO. DATE		REVISIONS	
H# -		BID# -		DATE: DECEMBER 2016		DESIGNED BY: SWS		NO.		DATE	
3RD STREET IMPROVEMENTS		HARDSCAPE PLAN		SHEET		NOT FOR CONSTRUCTION		L1.01		OF	
DRAWING NO.		16-028									

PREPARED BY
southwick
LANDSCAPE ARCHITECTS
DEPARTMENT OF PUBLIC WORKS
333 N. RANCHO DRIVE
LAS VEGAS, NV 89106
702.227.4672

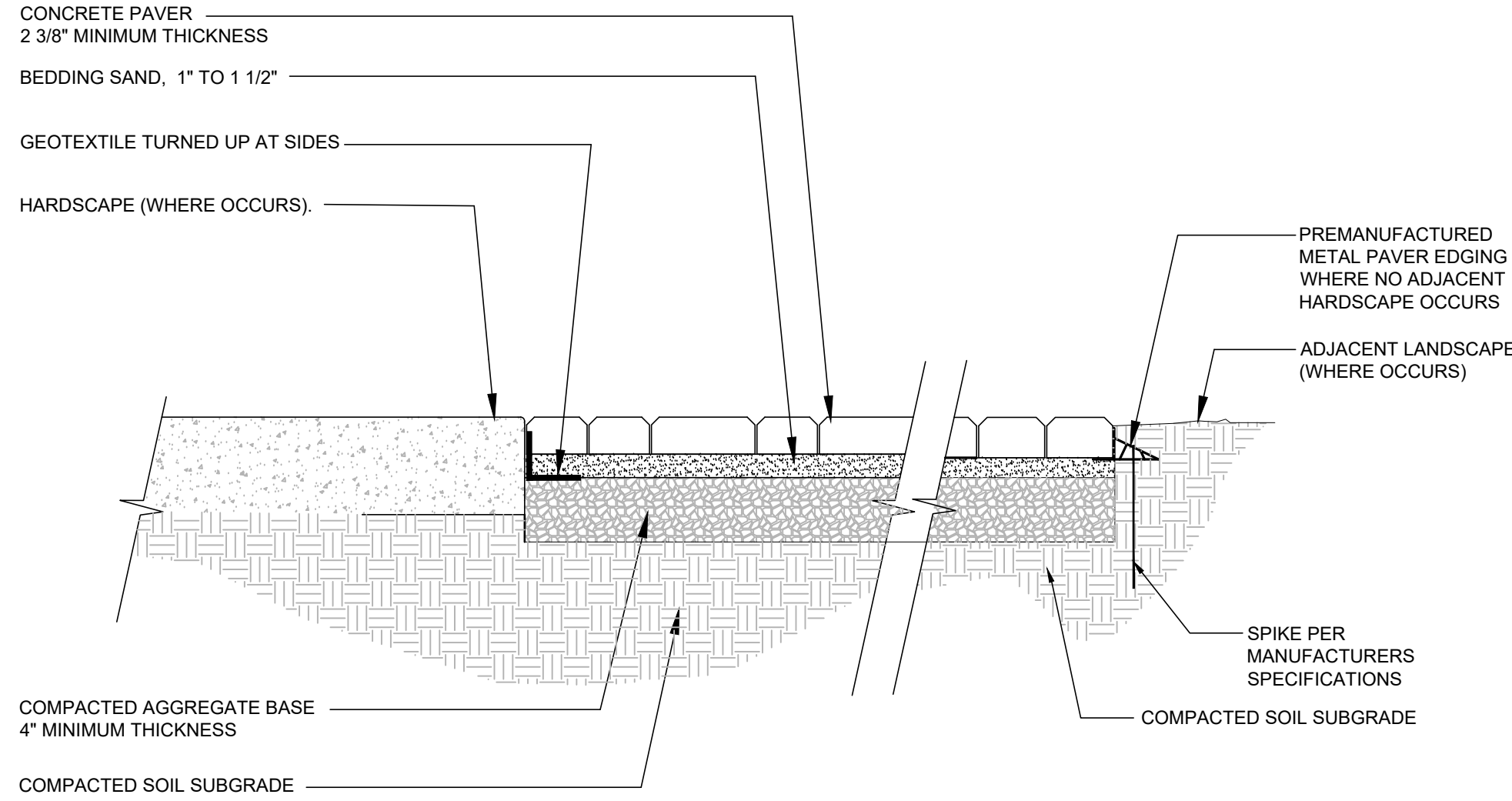


PREPARED FOR		CITY OF LAS VEGAS		PREPARED BY		southwick LANDSCAPE ARCHITECTS		DEPARTMENT OF PUBLIC WORKS 333 N. RANCHO DRIVE LAS VEGAS, NV 89106 702.226.6672		NO. DATE		REVISIONS	
H#		H#		DESIGNED BY: SWS		DRAWN BY: RDL/JVC		CHECKED BY: SWS		DATE		REVISIONS	
DATE: DECEMBER 2016		SUBMITTAL STAGE:		30% DRAWINGS									
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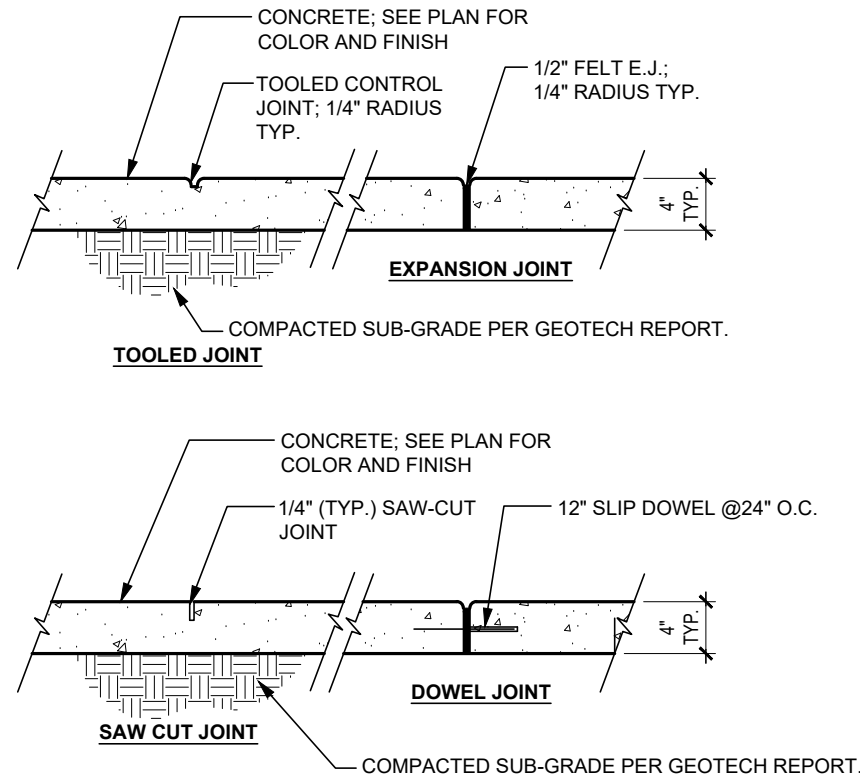
G EXPOSED AGGREGATE BANDS CONCEPT

- NOTES:
1. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
 2. CONTRACTOR TO PROVIDE PATTERNS AND SAMPLES FOR APPROVAL BY OWNER.
 3. SOIL COMPACTION AND DEPTH PER GEOTECHNICAL REPORT.

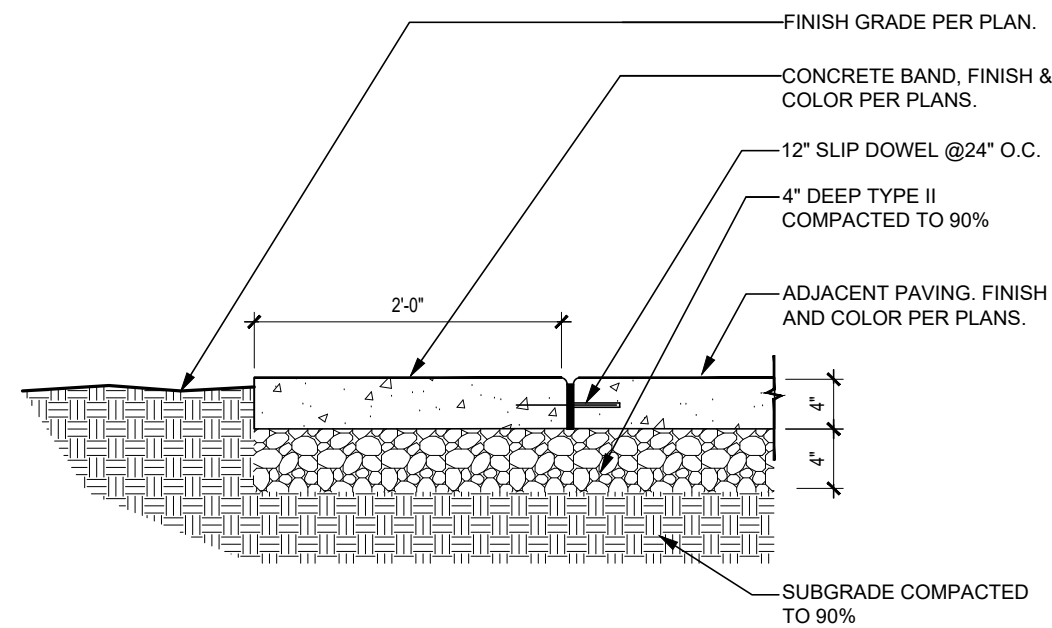


B DECORATIVE PAVER DETAIL

- NOTE:
1. PROVIDE EXPANSION JOINTS AT A MINIMUM OF 30' INTERVALS, AT COLD JOINTS, AND END OF RETURNS.



E EXPANSION JOINT DETAIL



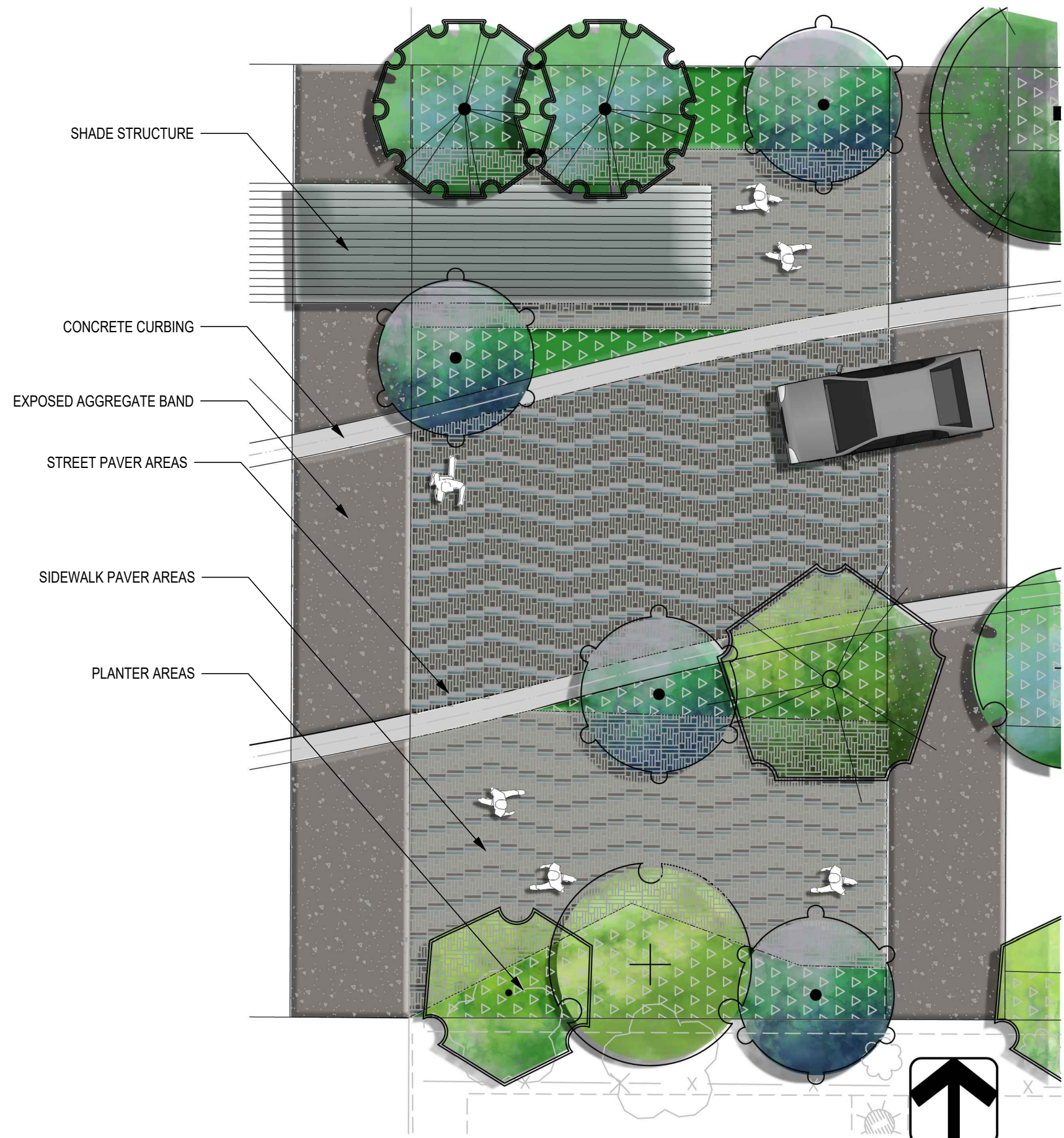
C CONCRETE DETAIL



F LEOPARD SKIN CONCRETE FINISH CONCEPT

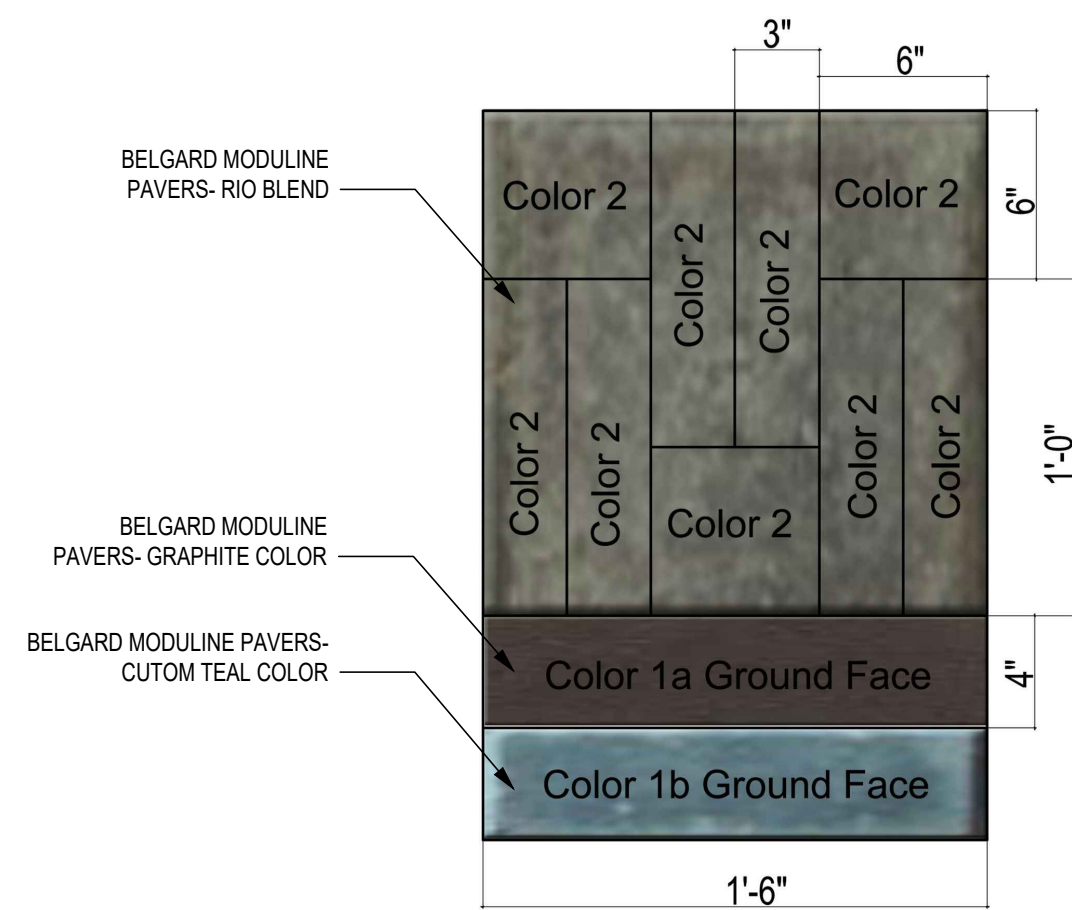


D GLOW IN THE DARK CONCRETE CONCEPT

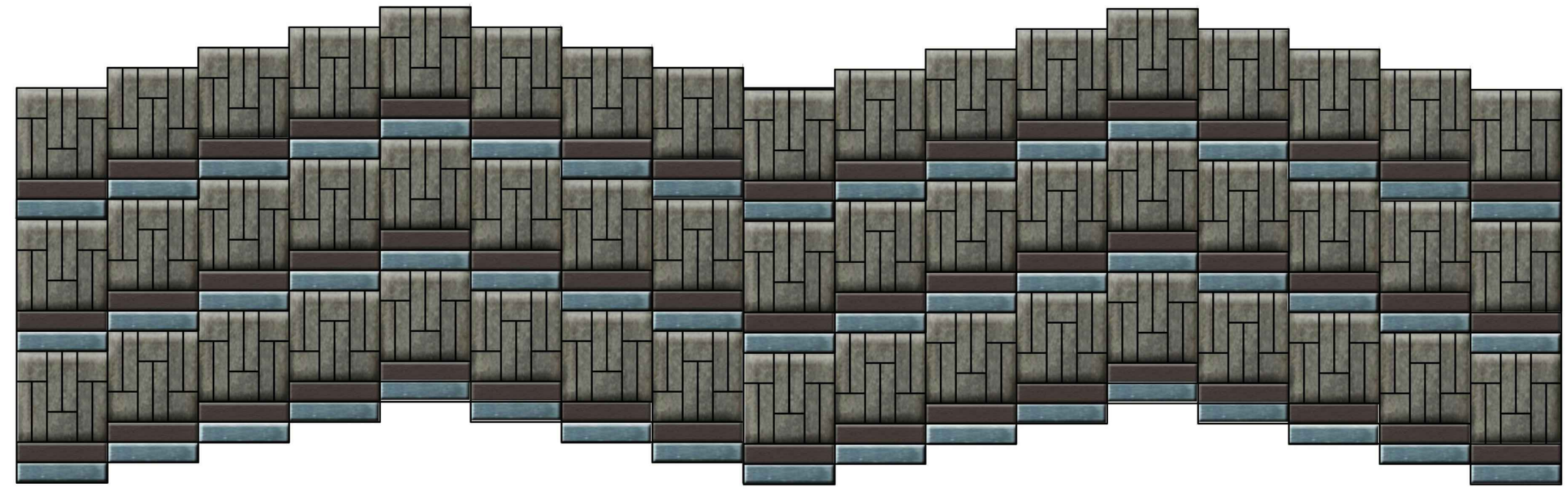
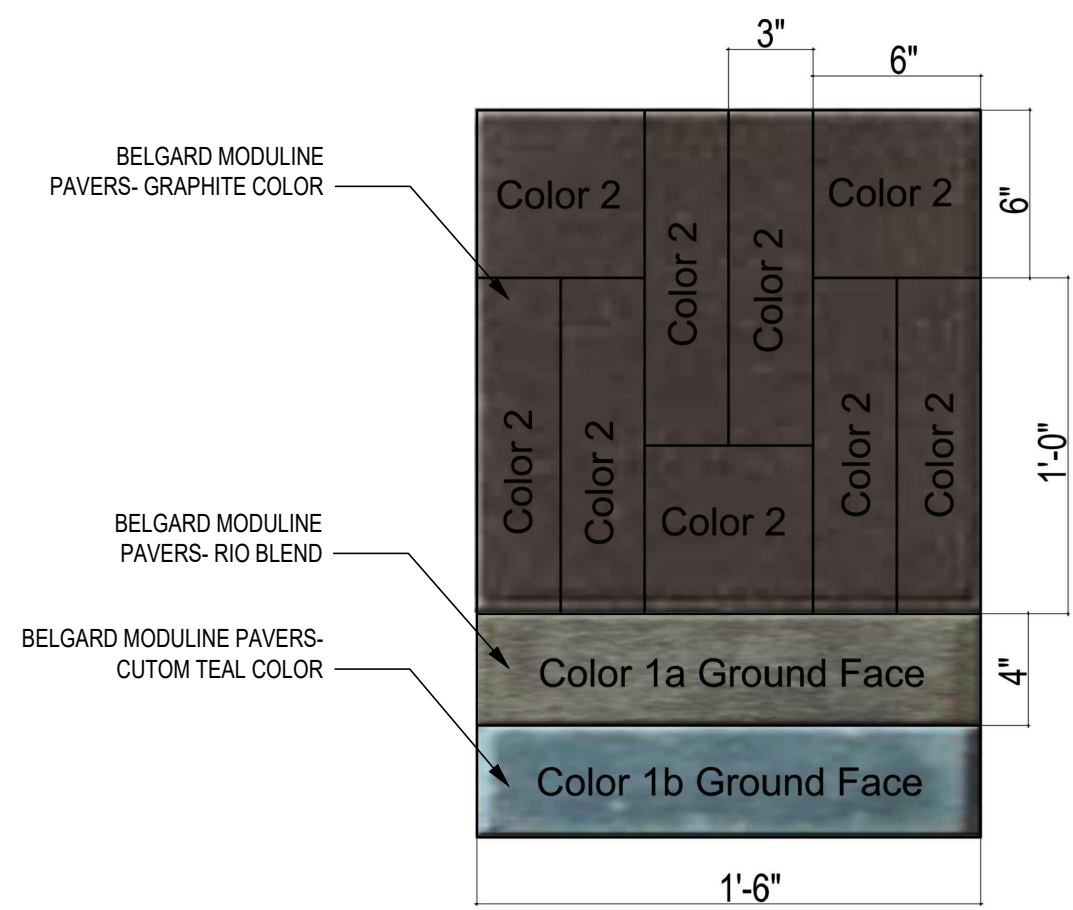


SCALE: 1" = 10'

SIDEWALK PAVER COLORS



STREET PAVER COLORS



A DECORATIVE PAVERS

PREPARED BY		southwick architects		DEPARTMENT OF PUBLIC WORKS	
CITY OF LAS VEGAS		LANDSCAPE ARCHITECTS		333 N. MANCHO DRIVE	
DESIGNED BY: SWS		DRAWN BY: RDL / JVC		LAS VEGAS, NV 89106	
DATE: DECEMBER 2016		SUBMITTAL STAGE:		702-228-6272	
H# -		30% DRAWINGS		NO. DATE	
3RD STREET IMPROVEMENTS		SHEET		REVISIONS	
NOT FOR CONSTRUCTION		L1.03			
		OF			
		DRAWING NO.			
		16-028			



The 'Parasoleil' structure would have a basic framework of posts and beams with the semi-solid panels as a roof built in the initial installation. The intent is to commission local artists to design artwork that fits in the panels. Single panels or the whole wall could be commissioned. The space then becomes a literal outdoor art gallery. The panels could be glass, metal, block or other material as depicted in the following sketches.



NTS



The "Parasoleil" structure would have cantilever beams holding up the semi-solid canopy. Construction of a cantilever that long will be costly but it provides an open feel. The "Tube Arch" structure would have light globes dangling in random patterns. All the "Tube Arch" structures will be the same to reduce production costs. Solid walls with windows will be on ends that are adjacent to planters. The windows become openings where the sidewalk continues through.



NT



The 'Parasoleil' structure would have a basic framework of posts and beams with the semi-solid panels as a roof built in the initial installation. The intent is to commission local artists to design artwork that fits in the panels. Single panels or the whole wall could be commissioned. The space then becomes a literal outdoor art gallery. The panels could be glass, metal, block or other material as depicted in the following sketches.



NTS



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NT

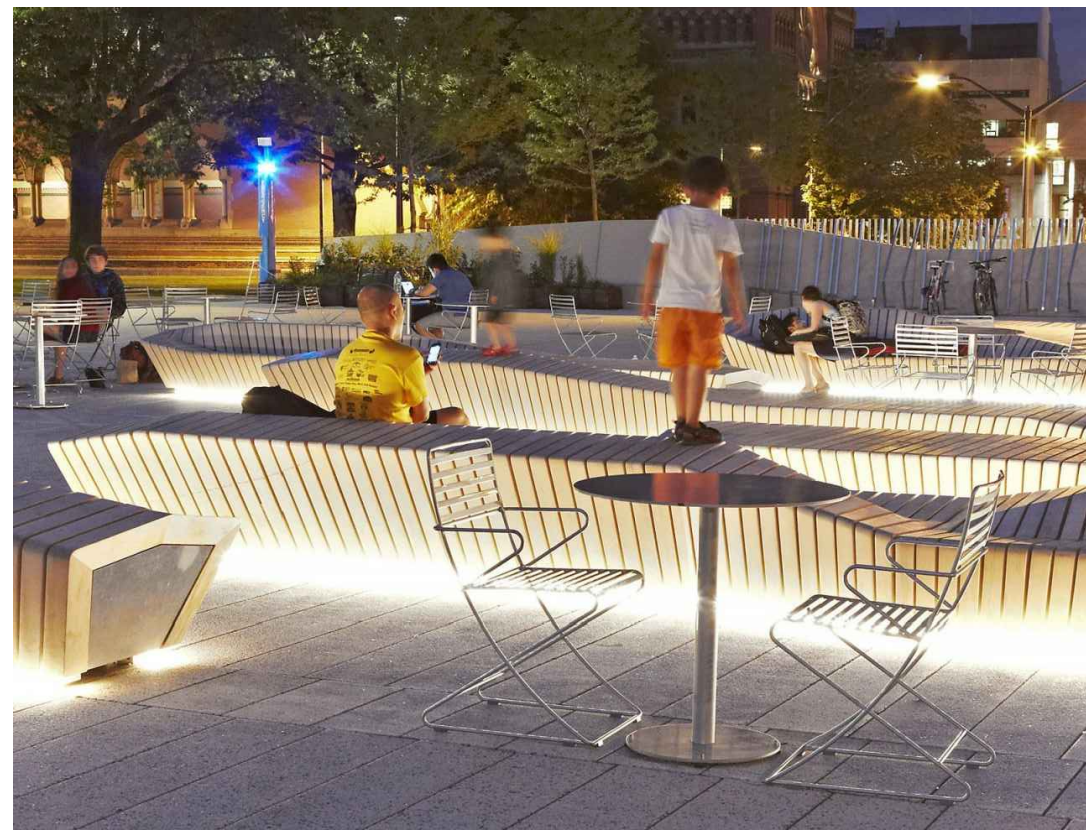
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X GAME TABLE CONCEPT
NTS



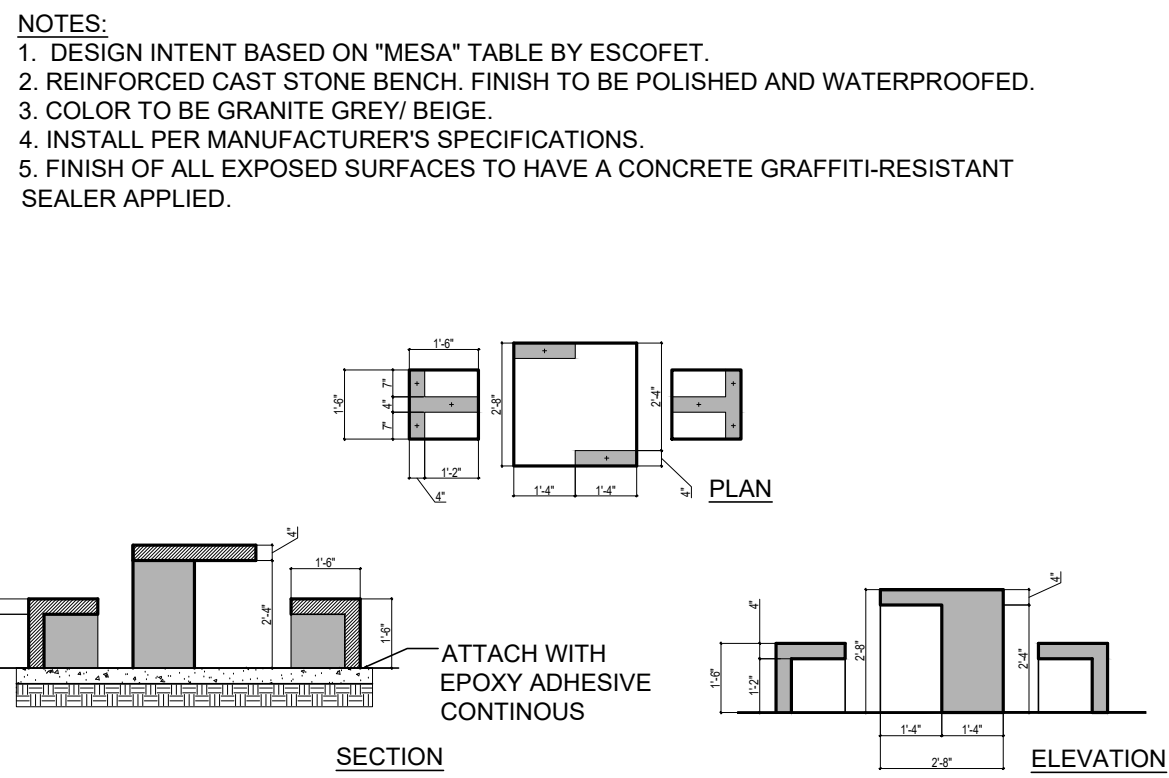
U CORN HOLE CONCEPT
NTS



R BENCH CONCEPT 2
NTS



O EXERCISE CONCEPT
NTS



Y GAME TABLE DETAIL
NTS



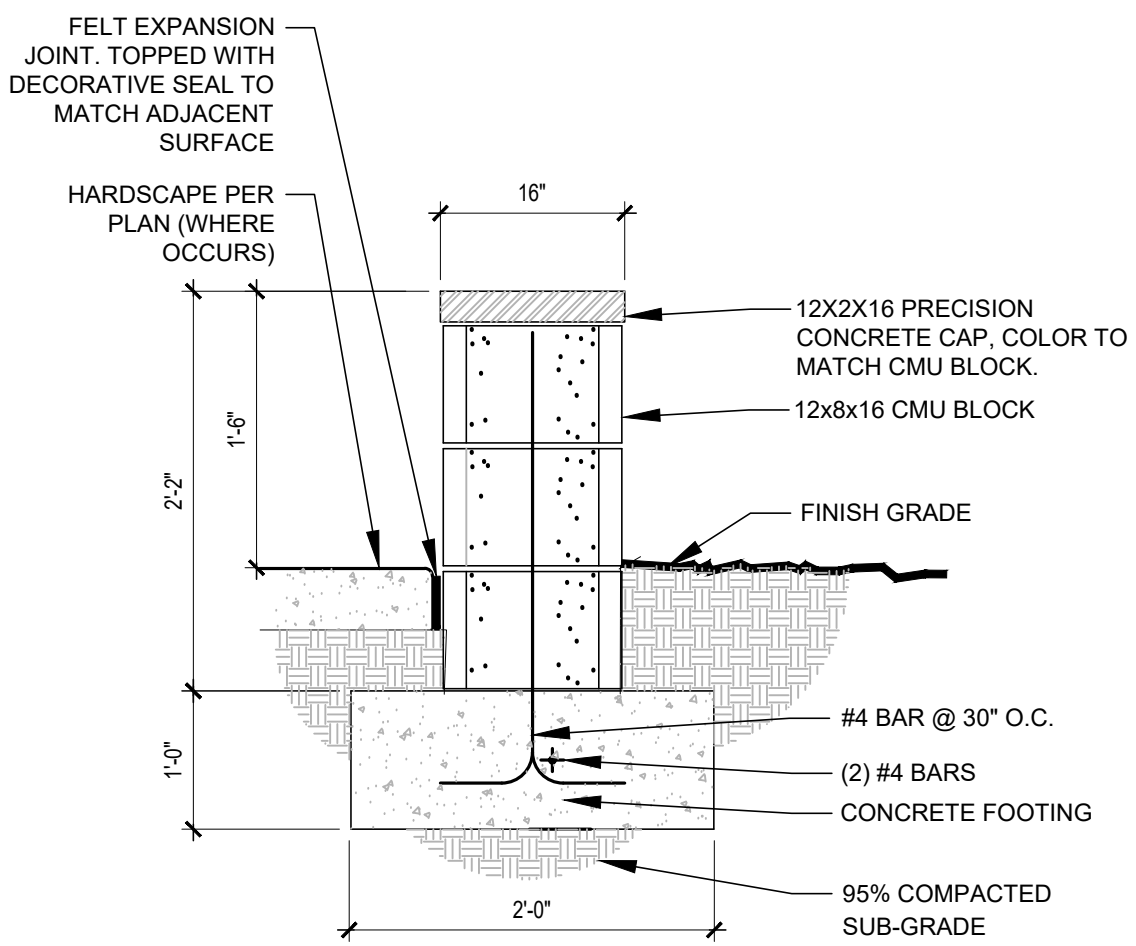
V SEAT WALL CONCEPT
NTS



S PING PONG CONCEPT
NTS



P SWING CONCEPT
NTS



W SEAT WALL DETAIL
NTS

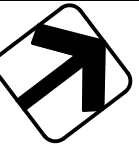


T FOOSBALL CONCEPT
NTS



Q BENCH CONCEPT 1
NTS

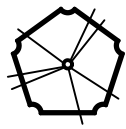
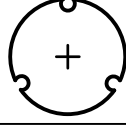
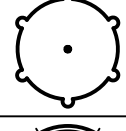
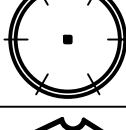
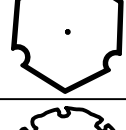
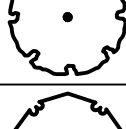
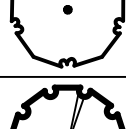
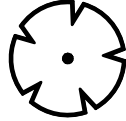
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SCALE: NTS

KEY MAP

PLANTING LEGEND

TREE SCHEDULE				
TREES	BOTANICAL NAME	CONT	CAL	QTY
	ACACIA FARNESIANA `SIERRA SWEET` TM Podless Sweet Acacia	36"BOX	0.5"CAL	5
	CELTIS RETICULATA Netleaf Hackberry	36"BOX	2"CAL	16
	CERCIS CANADENSIS MEXICANA Mexican Redbud	36"BOX	3"CAL	22
	PISTACIA CHINENSIS `RED PUSH` Red Push Chinese Pistache	48"BOX	5"CAL	34
	PYRUS KAWAKAMII Evergreen Pear	36"BOX	2.5"CAL	13
	QUERCUS BUCKLEYI Buckley Oak	60"BOX	5"CAL	32
	QUERCUS FUSIFORMIS Texas Live Oak	60"BOX	5"CAL	10
	SOPHORA SECUNDIFLORA Texas Mountain Laurel	48"BOX	3"CAL	22
PALM TREES	BOTANICAL NAME	CONT	CAL	QTY
	WASHINGTONIA ROBUSTA Mexican Fan Palm TO BE SOURCED FROM ONSITE RELOCATION	TRANSPLANT		5

SUGGESTED SHRUB SCHEDULE

SHRUBS	BOTANICAL NAME	CONT
AA	AGAVE SP. Agave Species	5 GAL
BU	BUDDLEJA UTAHENSIS Utah Butterfly Bush	5 GAL
BB	BUXUS MICROPHYLLA JAPONICA Japanese Boxwood	5 GAL
CE	CALLIANDRA ERIOPHYLLA Fairy Duster	5 GAL
CD	CALLISTEMON VIMINALIS 'LITTLE JOHN' Dwarf Weeping Bottlebrush	5 GAL
CM	CHRYSACTINIA MEXICANA Damianita	5 GAL
DC	DALEA CAPITATA 'SIERRA GOLD' TM Sierra Gold Dalea	5 GAL
EG	ECHINOCACTUS GRUSONII Golden Barrel Cactus	5 GAL
EV	EREMOPHILA MACULATA 'VALENTINE' Spotted Emu Bush	5 GAL
EM	EUNONYMUS JAPONICUS 'MICROPHYLLUS' Boxleaf Eunonymus	5 GAL
ER	EUPHORBIA RIGIDA Yellow Spurge	5 GAL
FA	FEROCACTUS ACANTHODES Compass Barrel	5 GAL
HR	HESPERALOE PARVIFLORA 'RED' Red Yucca	5 GAL
HY	HESPERALOE PARVIFLORA 'YELLOW' Yellow Yucca	5 GAL
JC	JUSTICIA CALIFORNICA Beloperone	5 GAL
MR	MUEHLENBERGIA CAPILLARIS 'REGAL MIST' TM Muhyi	5 GAL
MC	MYRTUS COMMUNIS Common Myrtle	5 GAL
NL	NERIUM OLEANDER 'LITTLE RED' TM Little Red Oleander	5 GAL
PP	PENSTEMON SP. Penstemon	5 GAL
PW	PITTOSPORUM TOBIRA 'WHEELER' Wheeler's Dwarf Pittosporum	5 GAL
PK2	PYRACANTHA KOIDZUMII 'SANTA CRUZ' Santa Cruz Pyracantha	5 GAL
RI	RHAPHOLEPIS INDICA Indian Hawthorn	5 GAL
RP	RUPELLIA PENNSULARIS Wild Petunia	5 GAL
SD	SALVIA DORRII Desert Sage	5 GAL
SV	SIMMONDSIA CHINENSIS 'VISTA' Jojoba	5 GAL
TA	TETRANEURIS ACAULIS Stemless Four-nerve Daisy	5 GAL
TP	TEUCRIUM CHAMAEDRYS 'PROSTRATUM' Prostrate Germander	5 GAL
VV	VERBENA SP. Verbena	5 GAL
XC	XYLOSMA CONGESTUM 'COMPACTA' Compact Xylosma	5 GAL
YR	YUCCA RECURVIFOLIA Spineless Yucca	5 GAL

LANDSCAPE ELEMENTS

SYMBOL	DESCRIPTION	QTY.	DETAIL L2.03
	DECORATIVE ROCK. SIZE: DECOMPOSED GRANITE	15,171 SF	G
	SOD. FESTUCA: HYBRID FESCUE	400 SF	J

PLANTING NOTES

1. SEE SHEET L2.03 FOR PLANTING DETAILS.
2. DECORATIVE ROCK (DR) - INSTALL THE MINIMUM LAYER OF DECORATIVE ROCK IN ALL LANDSCAPE AREAS WITHIN LANDSCAPE LIMIT OF WORK EXCEPT WHERE OTHERWISE NOTED. CONTRACTOR TO PROVIDE SAMPLES OF DECORATIVE ROCK FOR APPROVAL PRIOR TO INSTALLATION. COMPACT SUB-GRADE TO 85% AND APPLY A PRE-EMERGENT HERBICIDE TO SOIL. AFTER PLACING ROCK, RAKE SMOOTH, WET TO ENTIRE DEPTH, ALLOW TO DRY, THEN LIGHTLY SCARIFY SURFACE WITH A LEAF RAKE. APPLY A SECONDARY APPLICATION OF PRE-EMERGENT HERBICIDE TO TOP OF ROCK. KEEP TOP OF ROCK 2" BELOW TREE GRATE. DO NOT ALLOW ROCK TO TOUCH THE TRUNK OF ANY TREE. TO BE INSTALLED AFTER INSTALLATION OF PLANT MATERIAL.
3. ALL MULTI-TRUNK TREES ARE TO HAVE 3 TO 4 TRUNKS.
4. ANY TREE PLANTED WITHIN 5 FEET OF A SIDEWALK OR WALL SHALL BE PLANTED WITH A ROOT GUARD DESIGNED TO DIRECT ROOT GROWTH DOWNWARD. SEE DETAIL "F", SHEET L2.03.
5. EACH JOSHUA TREE MUST NOT BE PLANTED DEEPER THAN THE PLANT'S ORIGINAL PLANTING DEPTH.
6. CONTRACTOR TO PRESERVE AND PROTECT EXISTING TREES IDENTIFIED ON PLAN BY AN EXISTING TREE SYMBOL. CONTRACTOR TO PRESERVE AND PROTECT LANDSCAPE OUTSIDE LIMIT OF LANDSCAPE WORK.
7. PRIOR TO BEGINNING WORK, CONTRACTOR TO INVENTORY EXISTING PLANTS AND MARK THOSE TO REMAIN FOR APPROVAL BY OWNER. CONTRACTOR TO VERIFY THAT EXISTING TREES TO REMAIN WILL NOT BE DAMAGED BY DEMOLITION OR CONSTRUCTION. IF EXISTING TREES AND/OR LANDSCAPE TO REMAIN IS DAMAGED DURING DEMOLITION OR CONSTRUCTION, TREE(S)/SHRUB(S) TO BE REPLACED AT CONTRACTOR'S EXPENSE WITH PLANT(S) OF SAME GENUS, SPECIES, VARIETY, FORM AND SIZE.
8. CONTRACTOR TO PROTECT IN PLACE EXISTING UTILITIES. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION. CONTRACTOR TO USE CAUTION, CALL BEFORE YOU DIG AND CALL BEFORE YOU OVER HEAD.



3RD STREET IMPROVEMENTS

OVERALL PLAN

SHEET

NOT FOR
SHEET

L2.00
OF
DRAWING NO.
16-028

PREPARED FOR
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CITY OF LAS VEGAS

-
DATE: DECEMBER 2016
SUBMITTAL STAGE:
30% DRAWINGS

BID # -
DESIGNED BY: SWS
DRAWN BY: RDL/ JVO
CHECKED BY: SWS

PREPARED BY

southwick 
LANDSCAPE ARCHITECTS

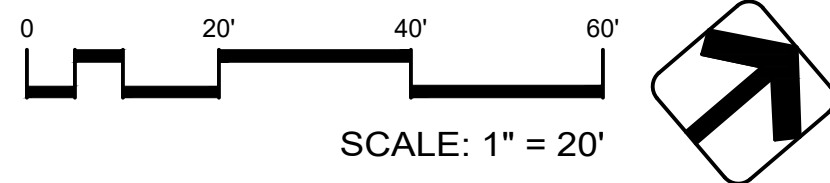
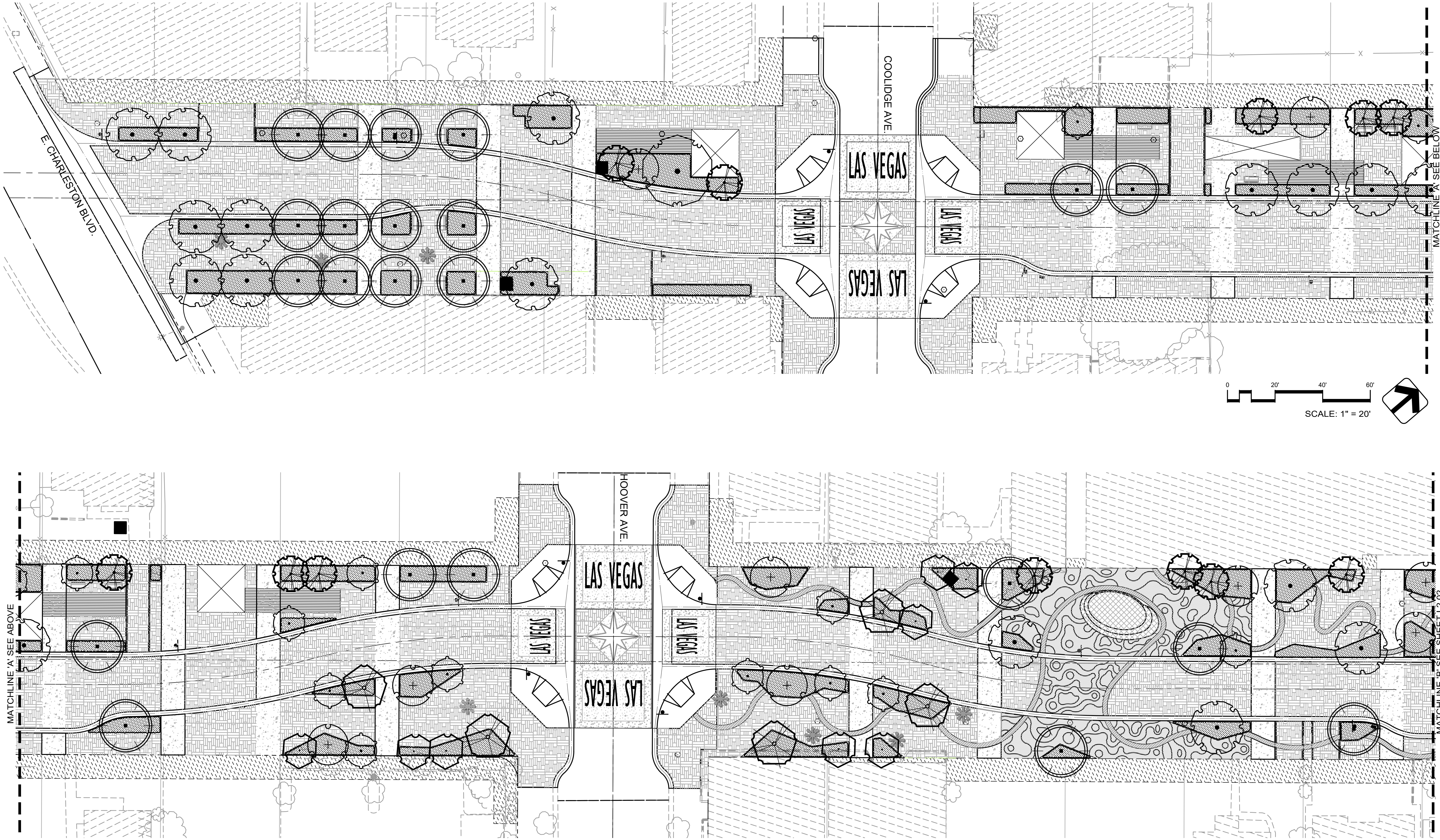


DEPARTMENT OF PUBLIC WORKS
333 N. RANCHO DRIVE
LAS VEGAS, NV 89106

REVISIONS

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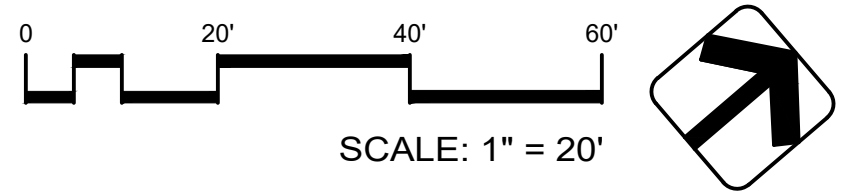
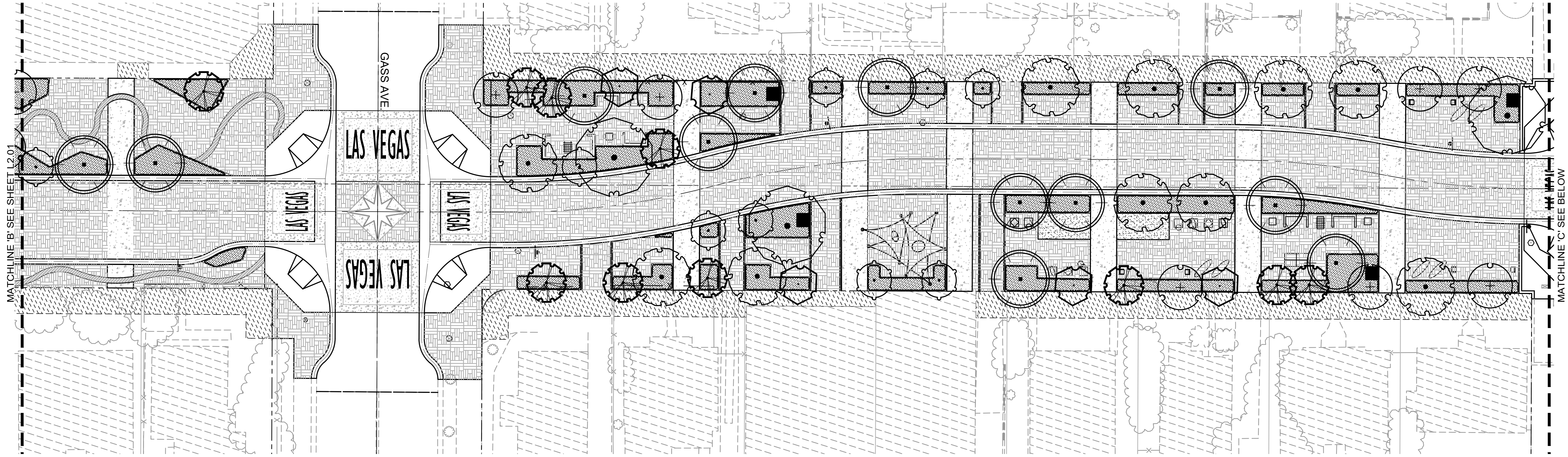
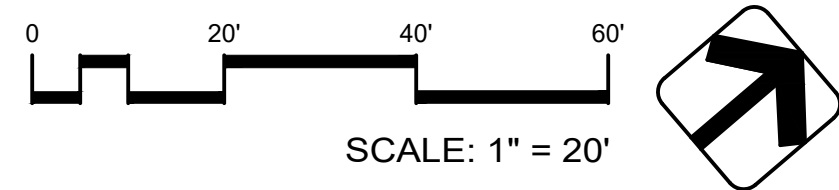
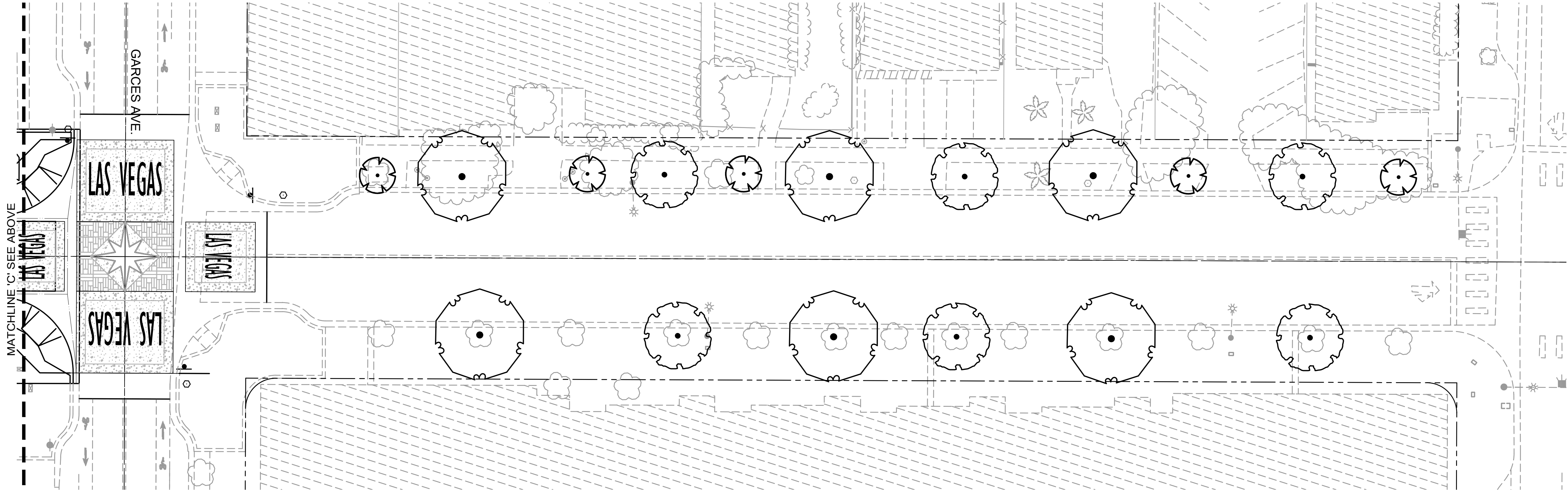


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3RD STREET IMPROVEMENTS

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L2.02

OF

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