

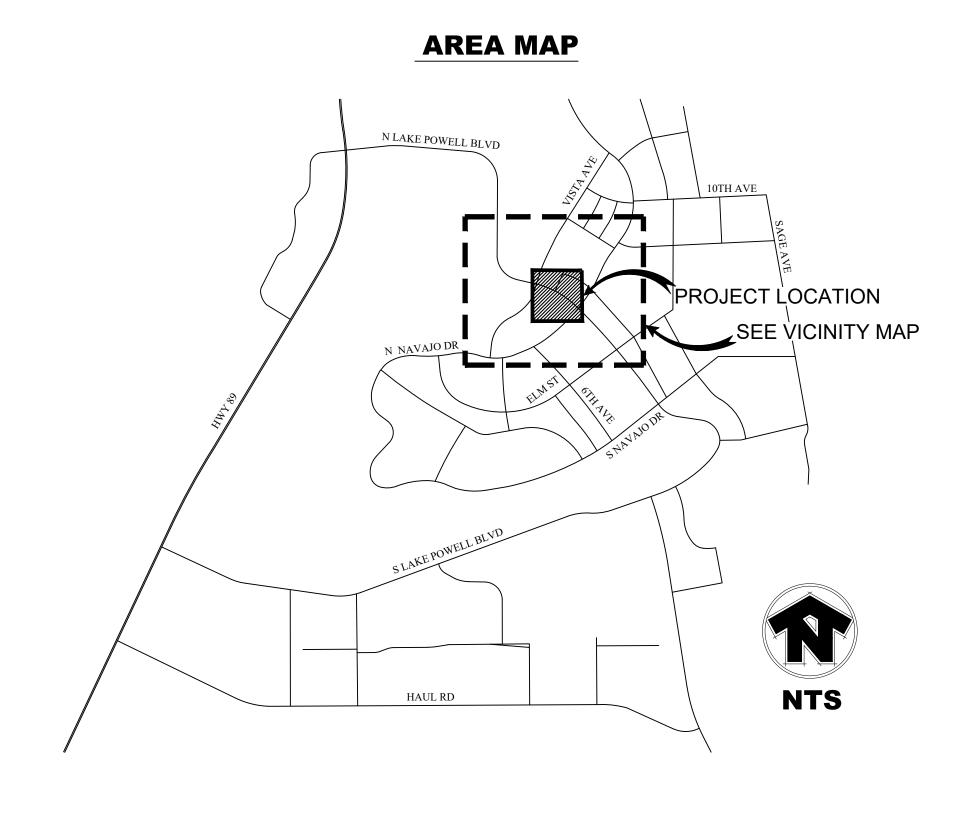
VICINITY MAP

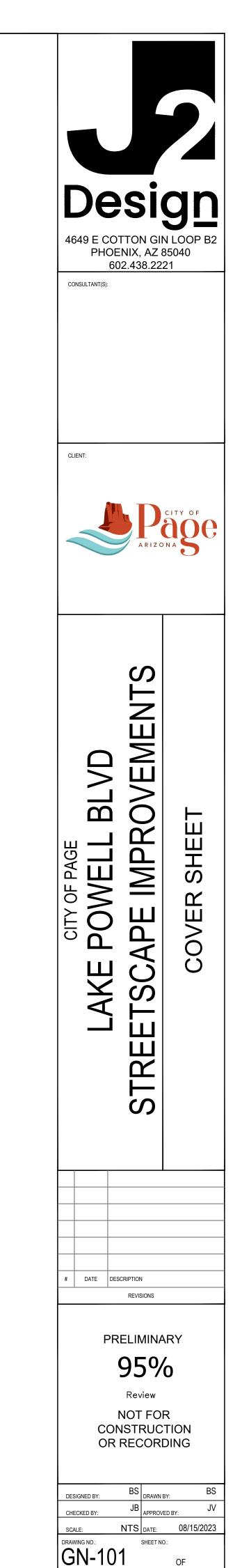
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LAKE POWELL BOULEVARD STREETSCAPE IMPROVEMENTS: NORTH NAVAJO DRIVE TO VISTA AVENUE





CITY OF PAGE

MAYOR **BILL DIAK**

VICE MAYOR JOHN KOCJAN

COUNCIL MEMBERS

THERESA LEE DAVID AUGE **BRIAN CAREY RICHARD LEIGHTNER** MICHAEL FARROW

CITY MANAGER

DARREN COLDWELL

LANDSCAPE ARCHITECT

J2 DESIGN JEFF BENTZ, PLA 4649 E. COTTON GIN LOOP, SUITE B2 PHOENIX, AZ 85040 PHONE: (602) 438-2221 EMAIL: JBENTZ@J2DESIGN.US

CIVIL ENGINEER & SURVEY

DIBBLE ENGINEERING DREW SPEAR, PE 7878 N. 16TH STREET, SUITE 300 PHOENIX, AZ 85020 PHONE: (602) 957-1155 EMAIL: DREW.SPEAR@DIBBLECORP.COM

OWNER

CITY CLERK

KIM LARSON

CITY OF PAGE DARREN COLDWELL **CITY MANAGER** 697 VISTA AVENUE PAGE, ARIZONA 86040 DCOLDWELL@PAGEAZ.GOV

ELECTRICAL

WRIGHT ENGINEERING CLIFF TOLMAN, PE 165 E CHILTON DRIVE CHANDLER, AZ 85225 PHONE: (480) 497-5829 EMAIL: CTOLMAN@ WRIGHTENGINEERING.US

APPROVALS

CITY ENGINEERING DEPARTMENT

THE CITY APPROVES THESE PLANS FOR CONCEPT ONLY AND ACCEPTS NO LIABILITY FOR ERRORS OR OMISSIONS

DATE

ACP ACSC ADA ADOT	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS ABANDONED AGGREGATE BASE COURSE ACRES ASPHALT CONCRETE ASPHALT CONCRETE FRICTION COURSE AMERICAN CONCRETE INSTITUTE ASBESTOS CEMENT PIPE ASPHALT CONCRETE SURFACE COURSE AMERICANS WITH DISABILITIES ACT ARIZONA DEPARTMENT OF TRANSPORTATION AHEAD AMERICAN INSTITUTE OF STEEL CONSTRUCTION ARIZONA PUBLIC SERVICE ARIZONA STATE LAND DEPARTMENT AMERICAN SOCIETY FOR TESTING MATERIALS AVENUE
B/C BCF BCHH BCR BKFL BLDG BLVD BM BOT	BACK OF CURB BRASS CAP BRASS CAP FLUSH BRASS CAP IN HANDHOLE BEGIN CURB RETURN BACK BACKFILL BUILDING BOULEVARD BENCHMARK BOTTOM
C C&G CAP CATV CB CIP CIP CIP CK € CLR CMP CO COMM CONC CONST COR CORR CSP CTB	CONCRETE ELEVATION CONDUIT CURB AND GUTTER CORRUGATED ALUMINUM PIPE CABLE TELEVISION CATCH BASIN CAST IRON PIPE CAST IN PLACE CURED IN PLACE PIPE CHECKED CENTERLINE CLEAR CORRUGATED METAL PIPE CLEAN OUT COMMUNICATION CONCRETE CONSTRUCTION CORNER CORRUCTION CORRUGATED STEEL PIPE CEMENT TREATED BASE
D/W DB DES DET DG DIP DR DRN DRNG DWG	DRIVEWAY DUCT BANK DESIGN DETAIL DECOMPOSED GRANITE DUCTILE IRON PIPE DRIVE DRAWN DRAINAGE DRAWING
E E/P EA ECR EGL ELEC ESMT EVAC EXST	EAST, EASTING EDGE OF PAVEMENT EACH ELECTRIC PULLBOX END CURB RETURN ENERGY GRADE LINE ELEVATION ELECTRIC EASEMENT EAST VALLEY ASPHALT COMMITTEE EXISTING
FF FG FH	FAX NUMBER FACE OF CURB FLOOD CONTROL DISTRICT OF MARICOPA COUNTY FINISH FLOOR ELEVATION FINISH GRADE ELEVATION FIRE HYDRANT FEDERAL HIGHWAY ADMINISTRATION FIRE LINE FLOWLINE FLANGE FOUND FIBER OPTIC FOOT OR FEET
G GAF GB GM GND GV	GUTTER ELEVATION GAS GRID ADJUSTMENT FACTOR GRADE BREAK GAS METER GROUND GAS VALVE
H HDPE HDWL HGL HP HW HWY	HORIZONTAL HIGH DENSITY POLYETHYLENE HEADWALL HYDRAULIC GRADE LINE HIGH PRESSURE HIGH WATER HIGHWAY
ID INV IRR IV	INSIDE DIAMETER INVERT IRRIGATION IRRIGATION VALVE
L LF LOC LS	LENGTH OF CURVE LINEAR FEET LIMITS OF CONSTRUCTION LUMP SUM

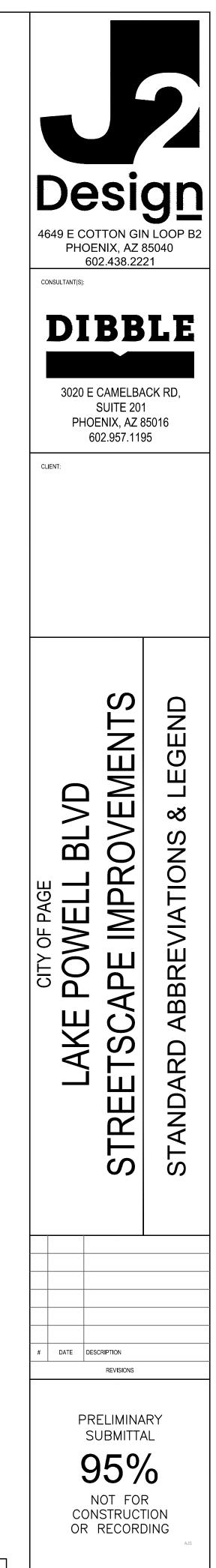
LT	LEFT
MAG MAX MB MCDOT MCESD ME MH MI MIN MJ MJ MJ MOD	MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTM MATCH EXISTING MANHOLE MILES MINIMUM MECHANICAL JOINT MONUMENT LINE
N NC NO NPDES NPI NSF NTS NW	NON-PAY ITEM NATIONAL SANITATION FOUNDATION
OC OD OHE OHT	ON CENTER OUTSIDE DIAMETER OVERHEAD ELECTRIC OVERHEAD TELEPHONE
P PB PC PCC PCCP PED PGL PH PIP PLSS POT PP PROP PROP PSI PVC PVI PVRC PVT	PORTLAND CEMENT CONCRETE PAVEMENT POLYETHYLENE PIPE TELEPHONE PEDESTAL PROFILE GRADE LINE POTHOLE NUMBER POINT OF INTERSECTION PROTECT IN PLACE PROPERTY LINE PUBLIC LAND SURVEY SYSTEM POINT ON CURVE POINT ON TANGENT POWER POLE POINT OF REVERSE CURVATURE PROPOSED POUNDS PER SQUARE INCH POINT OF TANGENCY POINT PUBLIC UTILITY EASEMENT POLY VINYL CHLORIDE POINT OF VERTICAL INTERSECTION PAVEMENT
R R/W RCBC RCP RD RDWY RELOC RGRCP RR RT	REINFORCED CONCRETE BOX CULVERT REINFORCED CONCRETE PIPE ROAD ROADWAY RELOCATE
SF SG SHLDR SHT SPEC SRP SS SSD ST STA STD STL SW	SECTION SQUARE FOOT SUBGRADE ELEVATION SHOULDER SHEET SPECIFICATIONS SALT RIVER PROJECT SANITARY SEWER STOPPING SIGHT DISTANCE STREET STATION STANDARD
TC TCE TEL TEMP TN TOE	TEMPORARY BENCHMARK TOP OF CURB TEMPORARY CONSTRUCTION EASEMENT TELEPHONE TEMPORARY
UNK UPRR	
V VC VCP VG VNAE	VERTICAL VERTICAL CURVE VITRIFIED CLAY PIPE VALLEY GUTTER VEHICULAR NON ACCESS EASEMENT

STANDARD ABBREVIATIONS & LEGEND

WEST W WATER W WITH W/ W/O WITHOUT WM WATER METER ARTMENT WSE WATER SURFACE ELEVATION WV WATER VALVE

XFMR TRANSFORMER

EXISTING <u>NEW</u> BENCHMARK BENCHMARK BRASS CAP FLUSH (\bullet) BRASS CAP FLUSH (\bullet) \bigcirc \bigcirc BRASS CAP IN HANDHOLE BRASS CAP IN HANDHOLE 0330 BACKFLOW PREVENTER 0 BACKFLOW PREVENTER ₽ CACTUS BORING LOCATION # * # DRYWELL CACTUS FIRE HYDRANT DRYWELL \bullet FIRE HYDRANT FIRE DEPT CONNECTION \bigcirc FIRE DEPT CONNECTION FLAG POLE GATE FLAG POLE GRATE GATE GUY WIRE HEADWALL MB MAILBOX HEADWALL MB \bigcirc MAILBOX MANHOLE WM MANHOLE (TYPE NOTED) METER (COM) ΈM PIPE PLUG METER (TYPE NOTED) ₽₩₽ POTHOLE LOCATION PEDESTAL (TYPE NOTED) \bowtie PULLBOX PULLBOX (TYPE NOTED) 72222222 5050505 RIPRAP RIPRAP B ROCK ROCK SHRUB SHRUB 6 4 1 SIGN SIGN STREET LIGHT STREET LIGHT ×—o CHAR TREE E K K TREE UTILITY POLE -0-UTILITY POLE \bigotimes^{WV} VALVE (TYPE NOTED) VALVE \otimes BUILDING SETBACK - - - - - BUILDING SETBACK - - - - - -_____ CENTERLINE ----- DISTRICT BOUNDARY OR CITY LIMITS EASEMENT ——— EASEMENT _____ = = = = LIMITS OF CONSTRUCTION MID-SECTION ----- RIGHT-OF-WAY _ _ _ _ ----- PROPERTY LINE ----- RIGHT-OF-WAY —— —— SECTION CHANNEL BASE FLOOD ELEVATION CURB & GUTTER CHANNEL CURB & GUTTER ----- EDGE OF PAVEMENT ------ FENCE WOOD -----F------ DAYLIGHT LINE, FILL ------ EDGE OF PAVEMENT FLOWLINE ----- FENCE WOOD _____ GUARDRAIL MASONRY WALL/RETAINING WALL MAJOR CONTOUR ──···- FLOWLINE MINOR CONTOUR _____ GUARDRAIL RAILROAD MASONRY WALL/RETAINING WALL ======= SINGLE CURB MAJOR CONTOUR SIDEWALK MINOR CONTOUR SIDEWALK



ACT DRAWN BY:

IBM APPROVED BY:

SHEET NO.: 2 OF 34

DESIGNED BY:

HECKED BY

DRAWING NO .: G-102

N/A

DBB

AJS

8/14/2023

EXI	ST	IN	G

— — CATV — —	CABLE TV
— — COMM — —	COMMUNICATION
— — E — —	ELECTRIC (UNDERGROUND)
— — OHE — —	ELECTRIC (OVERHEAD)
— — FO — —	FIBER OPTIC
— — FL — —	FIRE LINE
— — 2"G — —	GAS
— —12" IRR— —	IRRIGATION LINE 18" OR SMALLER
24" IRR	IRRIGATION LINE 21" OR LARGER
— — 12" RW— —	RECLAIMED WATER 18" OR SMALLER
24"_RW	RECLAIMED WATER 21" OR LARGER
— — T — —	TELEPHONE
— — 12" S— —	SEWER LINE 18" OR SMALLER
24" S	SEWER LINE 21" OR LARGER
— — 12" SD— —	STORM DRAIN 18" OR SMALLER
24" SD	STORM DRAIN 21" OR LARGER
— — 12" W — —	WATER LINE 18" OR SMALLER
24" W	WATER LINE 21" OR LARGER

<u>NEW</u>



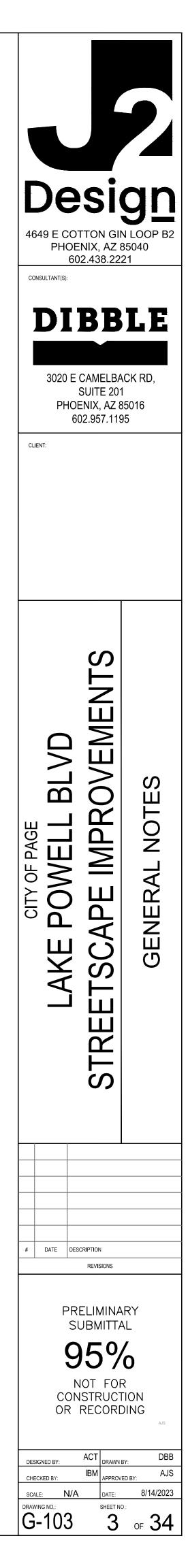
UTILITY LINE

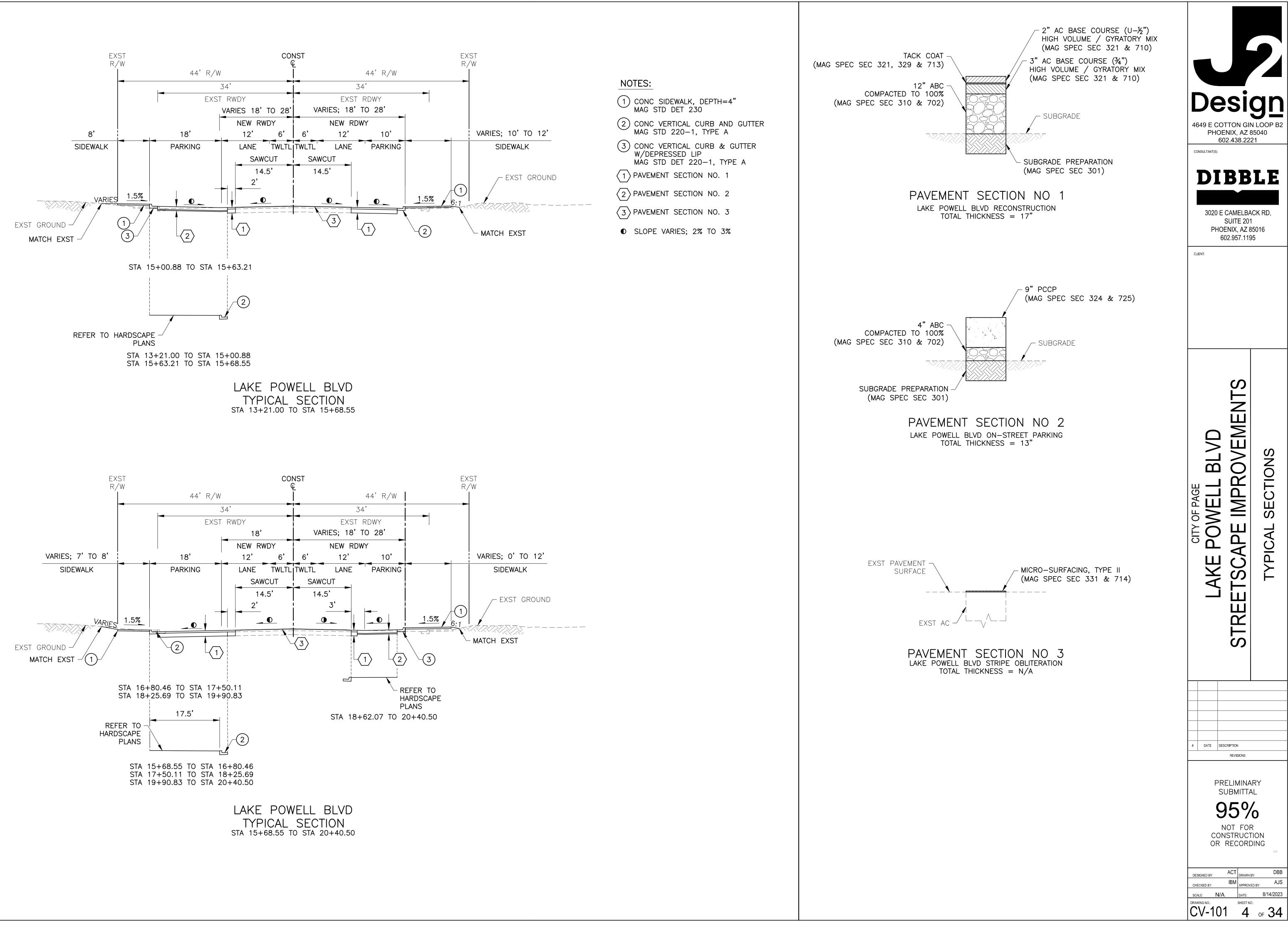
SINGLE CURB

PROFILE ELEVATIONS LEGEND
(U) = UNKNOWN
(S) = FIELD MEASUREMENT - SURVEY
(PH)= FIELD MEASUREMENT - POTHOLE
PROFILE ELEVATIONS LEGEND (U) = UNKNOWN (S) = FIELD MEASUREMENT - SURVEY (PH)= FIELD MEASUREMENT - POTHOLE (R) = RECORD DRAWING (DESIGN/AS-BUILT)

ENGINEER'S NOTES

- 1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL CONSTRUCTION STAKING FOR THE PROJECT. THE CONSTRUCTION STAKING SHALL BE PERFORMED BY A PROFESSIONAL SURVEYOR, REGISTERED WITH THE STATE OF ARIZONA.
- ALL DIMENSIONS AND CURVE DATA ARE REPORTED TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- WHERE REPLACEMENT AND/OR NEW INSTALLATION OF MONUMENTATION FOR SECTION CORNERS. QUARTER CORNERS, CENTER OF SECTION, AND ROADWAY GEOMETRY IS REQUIRED; THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE STATE OF ARIZONA BOARD OF TECHNICAL REGISTRATION PUBLICATION "ARIZONA BOUNDARY SURVEY MINIMUM STANDARDS" AND THE STATE OF ARIZONA REVISED STATUTES 33-103, 33-104, 33-105 AND 33-106.
- 4. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DRAWINGS, SPECIAL PROVISIONS, TECHNICAL SPECIFICATIONS, SUPPLEMENTAL GENERAL CONDITIONS, MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION), MAG UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION) AND THE CITY OF PAGE STANDARD DETAILS AND SPECIFICATIONS (LATEST EDITION)
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING BLUE STAKE (800-782-5348) OR BY DIALING 811 FOR UTILITY LOCATION A MINIMUM OF 48 HOUR IN ADVANCE OF ANY EXCAVATION. UTILITY LOCATIONS SHALL BE PROTECTED, MAINTAINED AND UPDATED IN ACCORDANCE WITH APPLICABLE STATE AND MUNICIPAL LAWS.
- 6. PRIOR TO THE START OF ANY WORK ACTIVITIES. THE CONTRACTOR SHALL PROVIDE NOTIFICATION TO THE OWNER AND THE ENGINEER. A PRE-ACTIVITY MEETING (PRECONSTRUCTION CONFERENCE) MAY BE REQUIRED.
- 7. EXISTING UTILITIES AND OTHER FACILITIES HAVE BEEN SHOWN ON THE CONTRACT DRAWINGS BASED ON FIELD SURVEYS, EXISTING MAPS AND OTHER INFORMATION GATHERED BY THE ENGINEER DURING DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT LOCATIONS OF ALL UTILITIES IMPACTING CONSTRUCTION AND PROTECTION OF SAID UTILITIES. IF RELOCATION OF UTILITIES IS REQUIRED, THE CONTRACTOR SHALL COORDINATE THE RELOCATION WITH THE OWNER. UTILITIES DAMAGED BY CONTRACTORS ACTIVITIES SHALL BE REPAIRED WITH NEW MATERIALS AT NO COST TO THE OWNER AND TO THE OWNER'S SATISFACTION. CONTRACTOR SHALL SUPPORT AND PROTECT IN-PLACE UTILITIES WITHIN THE EXCAVATION IN ACCORDANCE WITH
- MAG SPECIFICATIONS, UNLESS OTHERWISE APPROVED IN WRITING BY THE OWNER OF THE UTILITY.
- 9. EXISTING FEATURES AND FACILITIES WHICH ARE NOT SPECIFICALLY LOCATED WITH HORIZONTAL AND VERTICAL CONTROLS ARE LOCATED APPROXIMATELY WITH THE BEST AVAILABLE INFORMATION. VARIATIONS BETWEEN PLAN LOCATION AND ACTUAL DIMENSIONS WILL NOT BE A BASIS FOR A MODIFICATION OF THE CONTRACT AMOUNT.
- 10. THE OWNER HAS OBTAINED PERMIT APPROVAL FROM DESIGNATED AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS, PAYING PERMIT FEES, COORDINATING DESIGNATED AGENCY INSPECTIONS AND CLOSURE OF PERMITS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF THE DESIGNATED PERMITS AND THE REGULATIONS OF THE PERMITTING AGENCIES
- 11. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE GOVERNING AGENCY'S REQUIREMENTS. CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLANS TO THE GOVERNING AGENCIES AS REQUIRED BY THE AGENCY.
- 12. CONTRACTOR'S WORK ACTIVITIES SHALL BE SCHEDULED AND PHASED SO AS NOT TO UNDULY IMPEDE OR PREVENT ACCESS TO PRIVATE RESIDENCES, PUBLIC FACILITIES, SCHOOLS, OR BUSINESS EXCEPT BY PRIOR WRITTEN AGREEMENT WITH THE IMPACTED OWNER(S) OR OPERATORS.
- 13. ALL EQUIPMENT, MATERIALS, VEHICLES AND CONSTRUCTION ACTIVITIES SHALL REMAIN WITHIN PUBLIC RIGHTS-OF-WAY OR DESIGNATED EASEMENTS.
- 14. ANY EXISTING FEATURES OR FACILITIES DISTURBED BY THE CONTRACTOR SHALL BE REPLACED IN KIND WITH NEW MATERIALS MEETING THE OWNER'S APPROVAL AT NO ADDITIONAL COST TO THE OWNER.
- 15. THE CONTRACTOR SHALL PROVIDE CLEAR AND ACCURATE REDLINES TO THE OWNER FOR PREPARATION OF RECORD DRAWINGS. THE REDLINES SHALL BE UPDATED ON A DAILY BASIS TO REFLECT THE CURRENT CONSTRUCTION ACTIVITIES AT ALL TIMES AND MAY BE INSPECTED BY THE OWNER/ENGINEER AT ANY TIME UPON REQUEST.
- 16. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SAFETY ON THE CONSTRUCTION SITE. THE CONTRACTOR SHALL IMPLEMENT AN APPROVED SAFETY PLAN, AND ALL PERSONNEL ON THE JOB SHALL FOLLOW THE APPROVED SAFETY PLAN.
- 17. THE CONTRACTOR SHALL PROVIDE SUITABLE PROTECTION FOR EXCAVATIONS. AT A MINIMUM, OSHA REGULATIONS REQUIRE PROTECTION FROM CAVE-INS FOR EXCAVATIONS GREATER THAN FIVE FEET IN DEPTH. WHERE EXCAVATIONS ARE DEEPER THAN TWENTY FEET, EXCAVATION PLANS AND SHORING SYSTEM DESIGN SHALL BE SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ARIZONA.
- 18. TRENCH EXCAVATION, BACKFILL, AND SURFACE REPLACEMENT SHALL BE AS SHOWN ON THE DRAWINGS AND/OR REQUIRED BY THE CONTRACT DOCUMENTS. IN NO CASE SHALL TRENCH EXCAVATION, BACKFILL AND SURFACE REPLACEMENT BE LESS STRINGENT THAN MAG REQUIREMENTS, EXCEPT AS MAY BE SPECIFICALLY ALLOWED IN WRITING BY THE ENGINEER. UNLESS OTHERWISE DESIGNATED, ALL COMPACTION DENSITIES SHALL MEET THE REQUIREMENTS OF MAG SPECIFICATION SECTION 601, TYPE I.
- 19. CONTRACTOR SHALL USED EXTREME CAUTION WHILE WORKING IN THE VICINITY OF ALL GAS AND POWER LINES. THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF THE GAS AND POWER TRENCHES AND PIPELINES AT ALL TIMES. SPECIAL ATTENTION SHALL BE GIVEN TO BRACING AND SUPPORT FOR UNDERGROUND POWER CROSSINGS. POLE BRACING MAY BE REQUIRED BY THE POWER COMPANY WHEN EXCAVATING NEAR POWER POLES.
- 20. RECLAIMED ASPHALT PAVEMENT (RAP) SHALL NOT BE UTILIZED IN PIPE OR TRENCH BACKFILL.





		POINT DATA -	TABLE	
POINT NO.	GROUND NORTHING	GROUND EASTING	ELEVATION	DESCRIPTION
2	2154966.705	833402.572	4271.13	FND-BCHH 36325
4	2156188.382	830246.079	4031.92	FND-BCF Q404 BM
5	2156938.532	829260.460	3957.97	FND-BCF GLO
6	2159590.169	831896.949	4155.77	FND-BCF BLM
7	2154310.177	831920.724	4278.70	FND-BCF BLM
8	2155137.327	832825.992	4255.44	FND-BCHH 36325
9	2155062.689	833136.963	4266.43	FND-BCHH 36325
10	2155066.669	833120.448	4265.22	FND-BCHH
11	2156071.212	833596.888	4258.01	FND-BCHH BOR
12	2155226.886	833521.425	4269.24	FND-BCHH BOR
13	2154122.256	833090.993	4285.58	FND-BCF
14	2154979.275	833967.999	4283.53	FND-BCF
15	2154693.001	833771.554	4285.20	FND-BCHH 36322
16	2154065.681	834344.776	4309.92	FND-BCHH 36325
17	2155028.763	833400.376	4271.16	FND-ACF 18297
18	2155023.309	833385.853	4270.32	FND-ACF 18297
19	2155098.807	833174.205	4267.09	FND-ACF 18297
20	2155112.742	833166.483	4267.18	FND-ACF 18297
21	2154717.748	833747.214	4284.64	FND-BCHH
30	2155125.512	833107.910	4266.31	FND-RB 21776
318	2155121.601	833115.382	4265.87	FND-BCF 36323

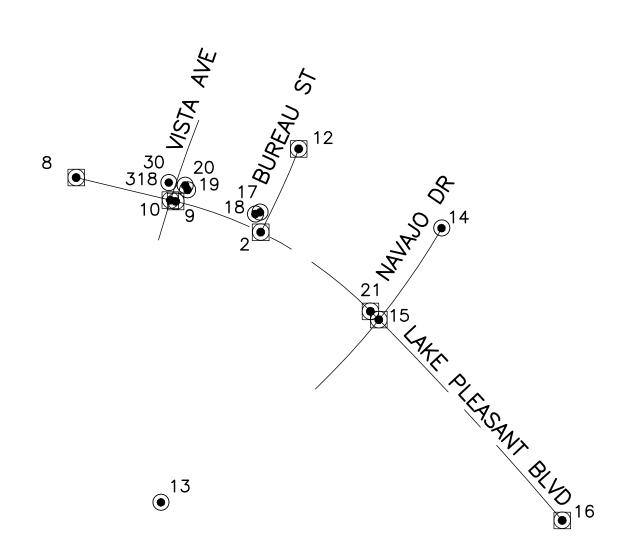
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- TO CONSTRUCTION.
- 4. PROJECT METADATA: <u>UNITS:</u>

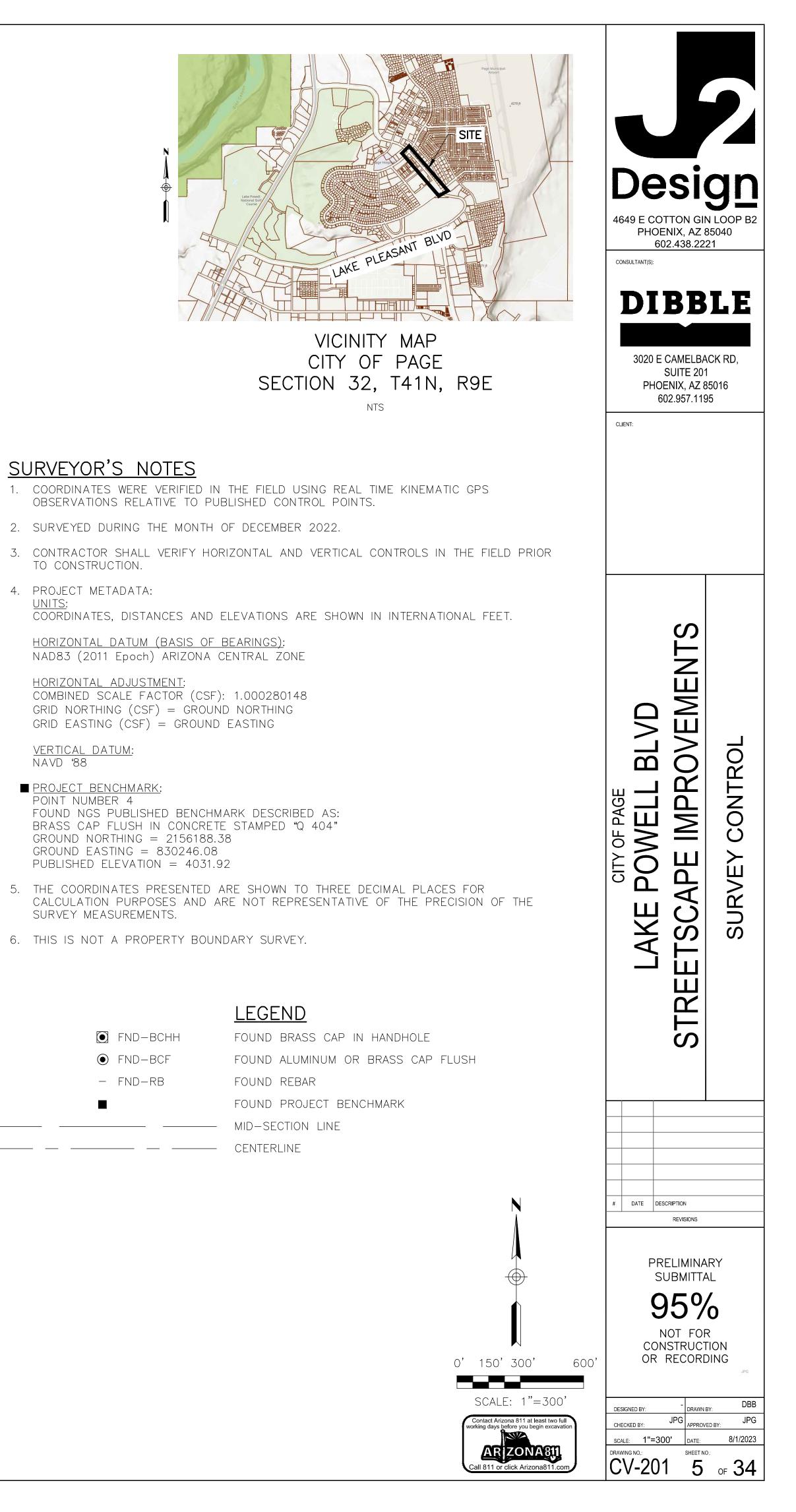
 - VERTICAL DATUM: NAVD '88
- PROJECT BENCHMARK: POINT NUMBER 4
- SURVEY MEASUREMENTS.

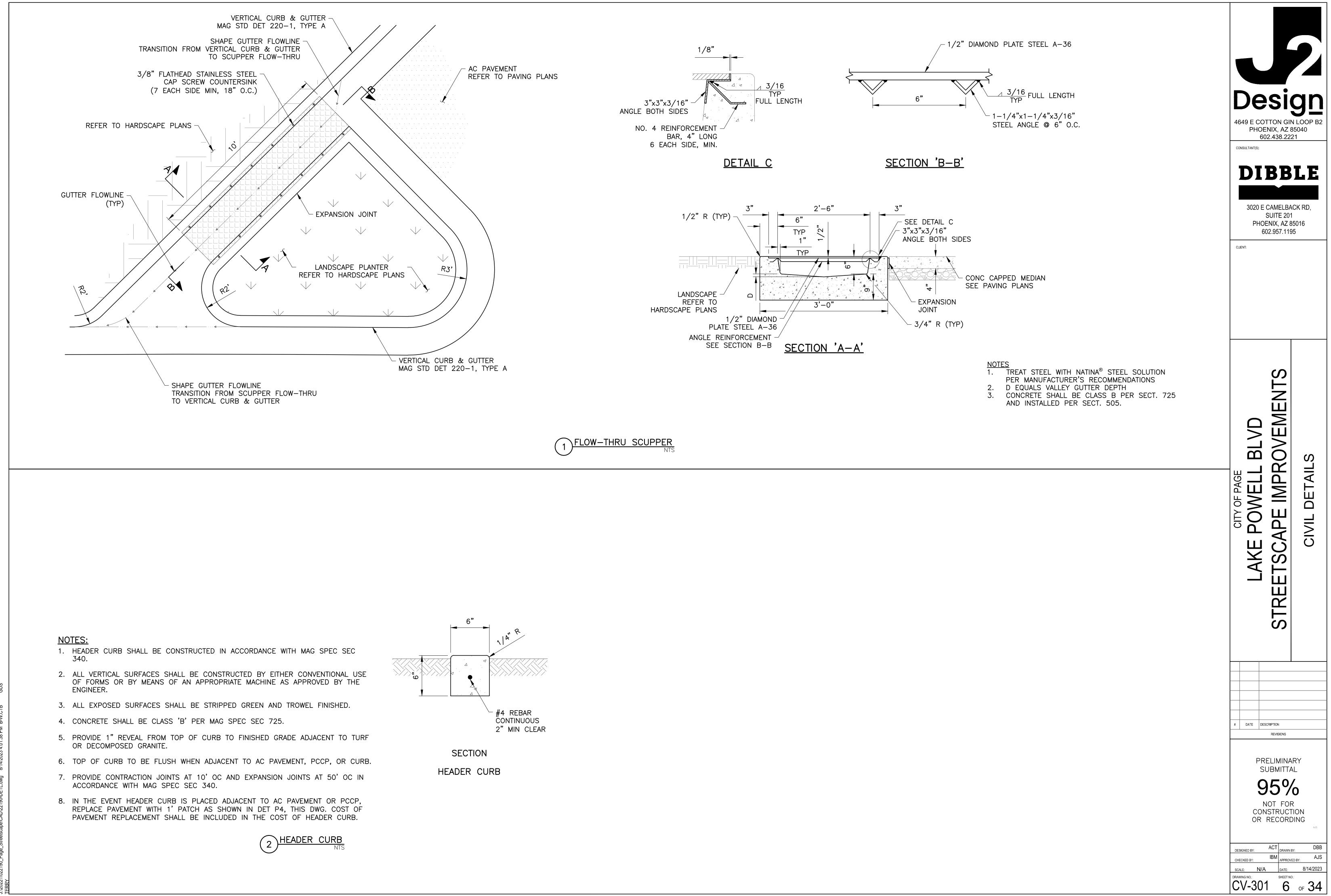
NORTHWEST QUARTER OF SECTION 32 TOWNSHIP 41 NORTH, RANGE 9 EAST

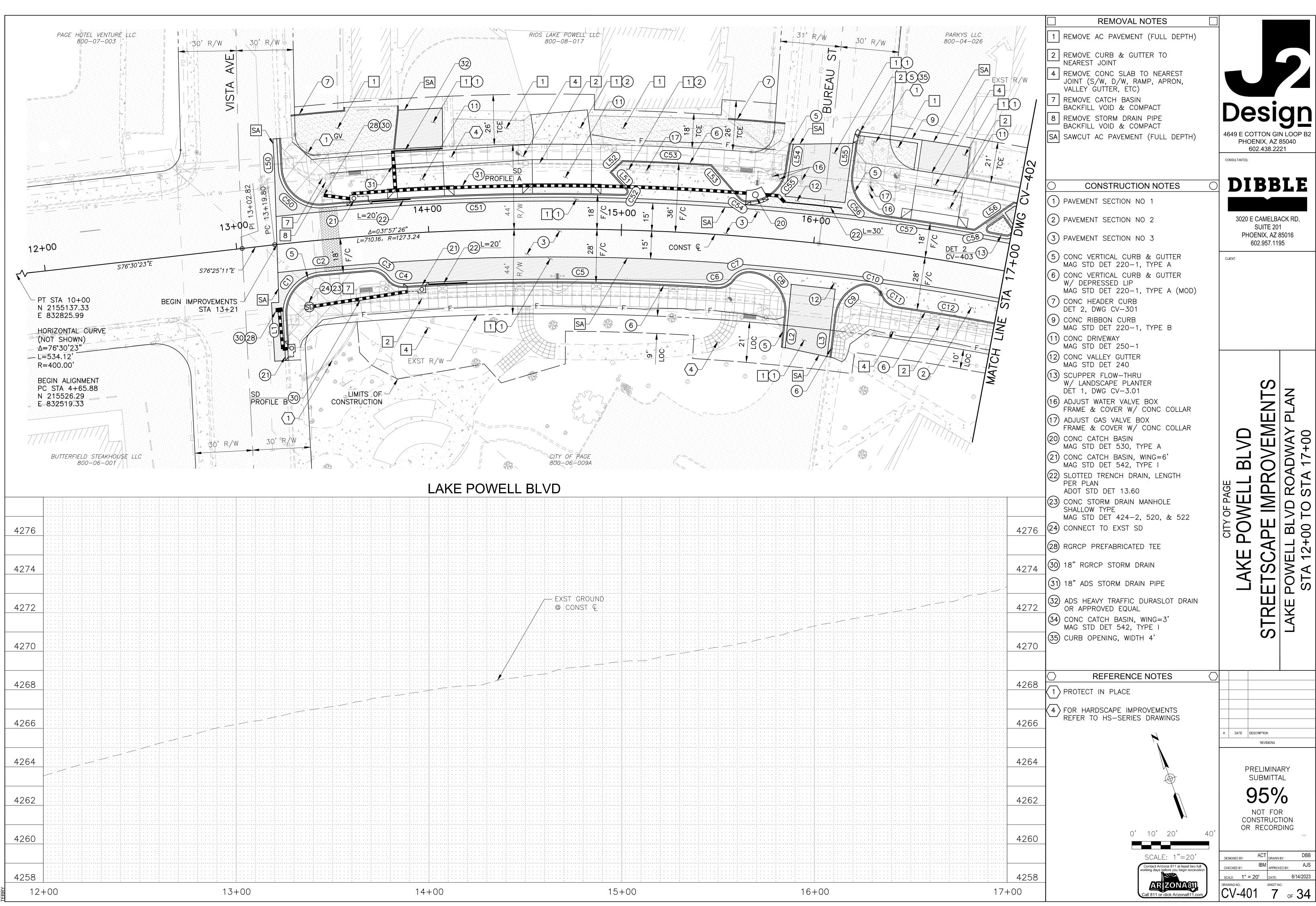
- MID-SECTION LINE



11

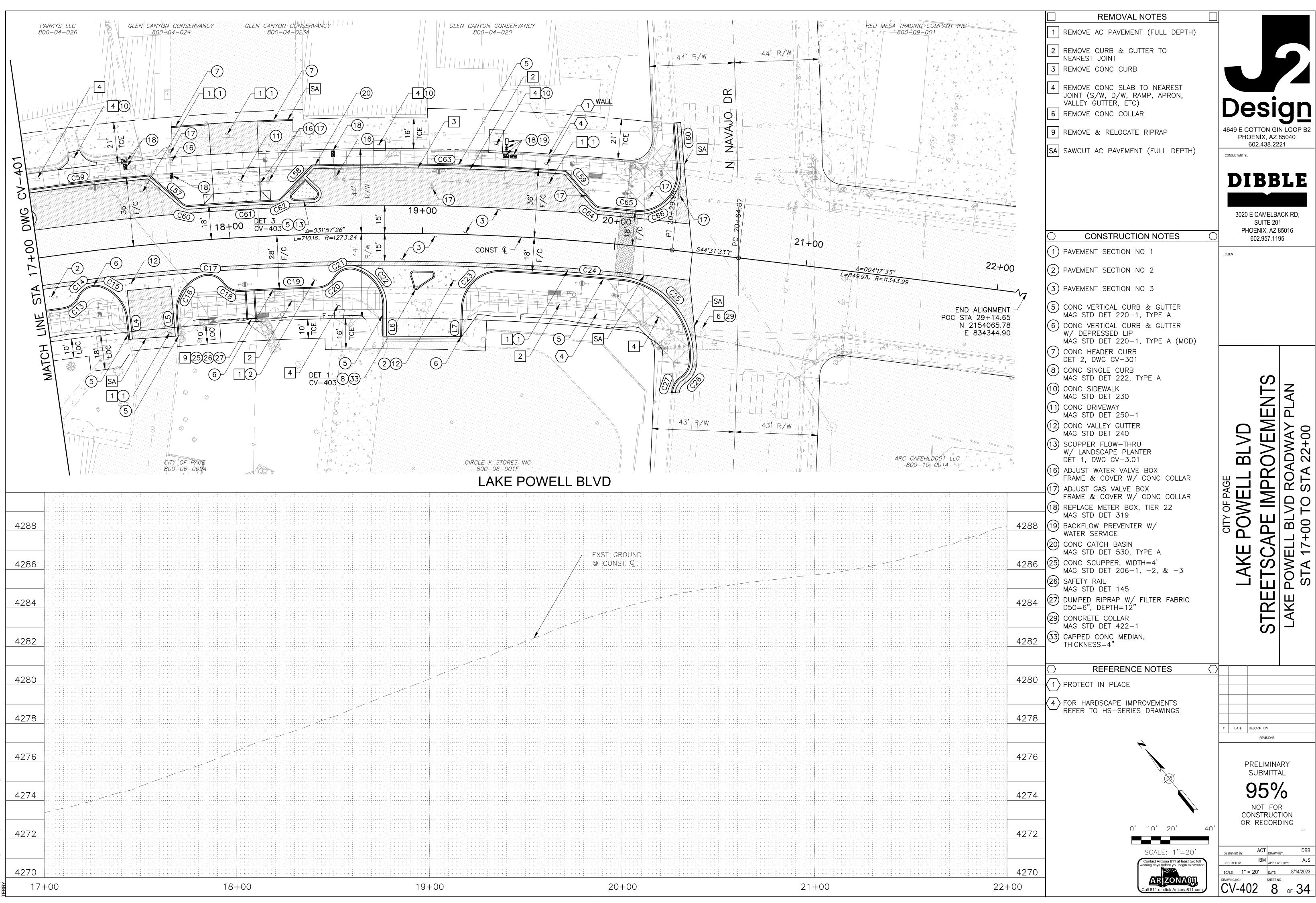






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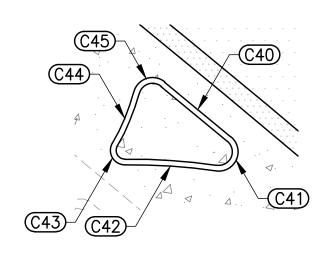
<u>SOUTH SIDE DATA TABLES</u>

LINE TABLE								
ID	LENGTH	BEARING						
L1	17.21'	N16 51'08"E						
L2	17.49'	S25 37 15"W						
L3	21.34'	S26° 47' 50"W						
L4	10.85'	N32 31' 24"E						
L5	10.84'	N33 41' 50"E						
L6	15.70'	S38° 42' 09"W						
L7	14.90'	N40° 34' 17"E						

	CURVE TABLE								
ID	Δ	LENGTH	RADIUS	TANGENT					
C1	87 ° 38'52"	30.59'	20.00'	19.20					
C2	1*09'59"	25.56'	1255.32'	12.78					
C3	58°45'13"	10.25'	10.00'	5.63					
C4	57 ° 56'33"	10.11'	10.00'	5.54					
C5	7°27'54"	162.32'	1245.82'	81.27					
C6	57*56'33"	10.11'	10.00'	5.54					
C7	58°43'21"	10.25'	10.00'	5.63					
C8	90*56'00"	31.74'	20.00'	20.33					
C9	58°51'11"	20.54'	20.00'	11.28					
C10	90°33'06"	15.80'	10.00'	10.10					
C11	57 ° 56'33"	10.11'	10.00'	5.54					
C12	2*45'35"	60.00'	1245.82'	30.01					
C13	57 ° 56'33"	10.11'	10.00'	5.54					
C14	84°36'20"	14.77'	10.00'	9.10					
C15	64 ° 50'29"	22.63'	20.00'	12.70					
C16	75°13'01"	26.26'	20.00'	15.41					
C17	74°18'30"	12.97'	10.00'	7.58					
C18	57 ° 56'33"	10.11'	10.00'	5.54					
C19	1*50'23"	40.00'	1245.82'	20.00					
C20	57 ° 56'33"	10.11'	10.00'	5.54					
C21	74 ° 18'30"	12.97'	10.00'	7.58					
C22	75 ° 13'01"	26.26'	20.00'	15.41					
C23	90 ° 55'53"	31.74'	20.00'	20.33					
C24	2*49'51"	62.02'	1255.32'	31.02					
C25	90°00'00"	62.83'	40.00'	40.00					
C26	51 ° 34'16"	9.00'	10.00'	4.83					
C27	53°02'30"	9.26'	10.00'	4.99					

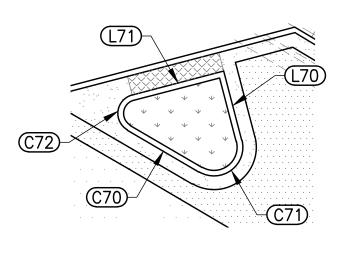
<u>DETAIL DATA TABLES</u>

CURVE TABLE								
ID	Δ	LENGTH	RADIUS	TANGENT				
C40	0°24'34"	8.96'	1253.74'	4.48				
C41	148 ° 43'59"	5.19'	2.00'	7.15				
C42	9•40'31"	9.46'	56.00'	4.74				
C43	121•18'35"	3.18'	1.50'	2.67				
C44	15°06'11"	5.80'	22.00'	2.92				
C45	114°19'34"	3.99'	2.00'	3.10				





CURVE TABLE									
ID	Δ	LENGTH	RADIUS	TANGENT					
C70	0°23'05"	8.67'	1291.16'	4.33					
C71	135•07'13"	7.07'	3.00'	7.26					
C72	135•15'52"	4.72'	2.00'	4.86					
C73	0°25'36"	9.61'	1291.16'	4.81					
C74	134•51'00"	7.06'	3.00'	7.22					
C75	135•26'20"	4.73 '	2.00'	4.88					



<u>NORTH SIDE DATA TABLES</u>

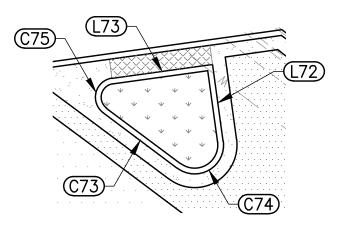
LINE TABLE					
ID	LENGTH	BEARING			
L50	15.69'	N16 54 31"E			
L51	11.84'	S23 08 37"E			
L52	8.18'	S66° 51' 23"W			
L53	22.63'	N20° 38' 47"W			
L54	13.42'	S28° 47' 22"W			
L55	15.83'	S27 59' 32"W			
L56	24.14'	N75°22'15"E			
L57	22.63'	S10 53 00"E			
L58	24.22'	N82 04' 55"E			
L59	22.71'	S1° 34' 06"E			
L60	24.46'	N34° 19' 53"E			

ID	Δ	LENGTH	RADIUS	TANGENT
טו	Δ	LENGTH	RADIUS	TANGENT
C50	92•11'55"	32.18'	20.00'	20.78
C51	6 ° 56'12"	156.31'	1291.16'	78.25
C52	134•47'24"	4.71'	2.00'	4.80
C53	1*59'42"	45.57 '	1308.74'	22.79
C54	45'29'11"	3.97'	5.00'	2.10
C55	85'04'41"	29.70 '	20.00'	18.35
C56	90°19'20"	31.53'	20.00'	20.11
C57	2•03'27"	46.36'	1291.16'	23.18
C58	44 ° 21 ' 24"	1.55'	2.00'	0.82
C59	2*48'41"	64.22'	1308.74'	32.11
C60	44•54'17"	3.92'	5.00'	2.07
C61	2*03'04"	46.22'	1291.16'	23.11
C62	44 ° 10'52"	1.54'	2.00'	0.81
C63	5•44'58"	131.33'	1308.74'	65.72
C64	44 ° 44'15"	3.90'	5.00'	2.06
C65	0*49'10"	18.46'	1291.16'	9.23
C66	100°10'55"	34.97'	20.00'	23.91

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<u>DETAIL 2</u>

LINE TABLE					
ID	LENGTH	BEARING			
L70	7.42'	S14 37 45 E			
L71	9.85'	N75°22'15"E			
L72	8.08'	S7 46' 50"E			
L73	10.56'	N82 04' 55"E			

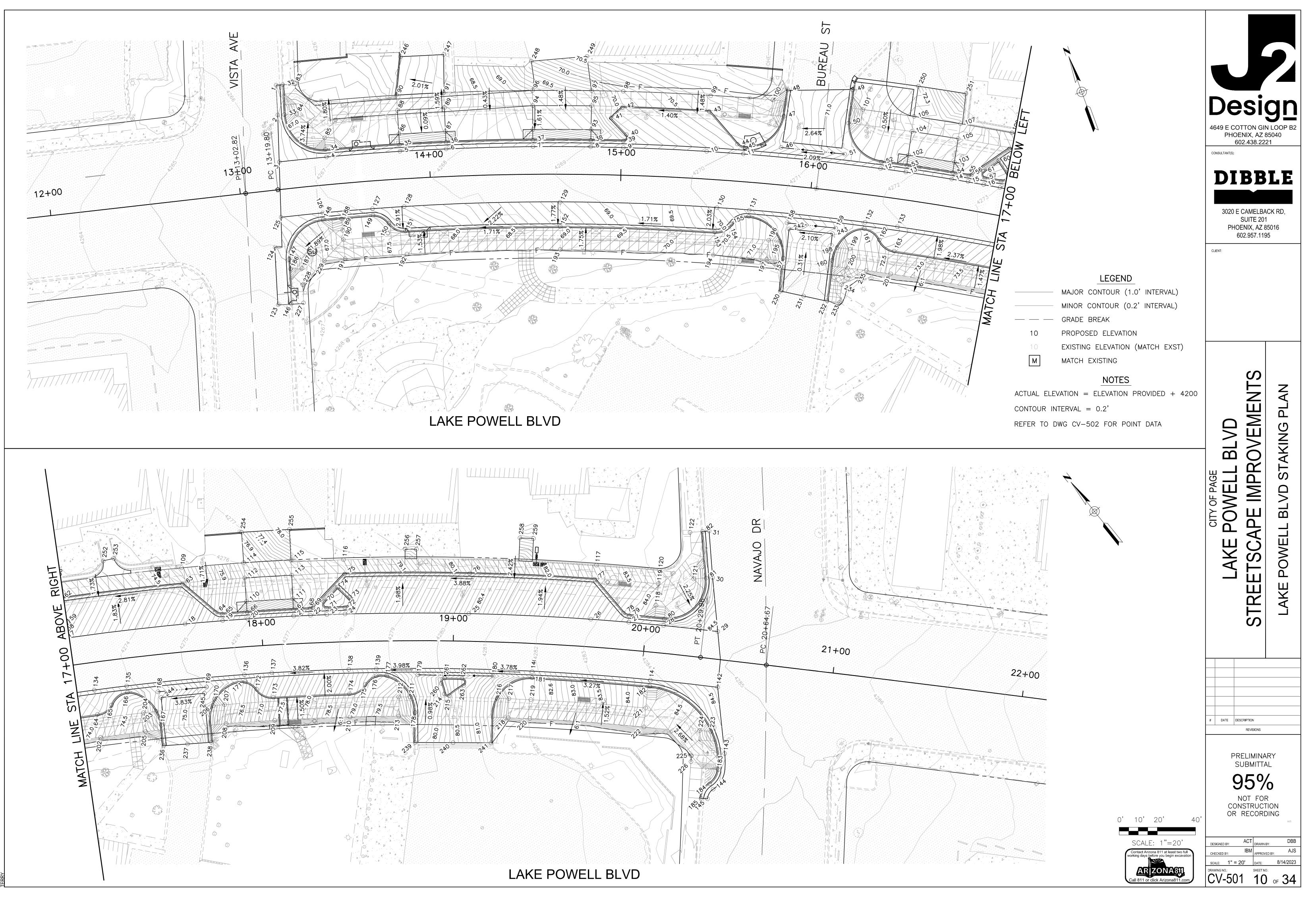


<u>DETAIL 3</u>

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	D 1 · · ·	Point Tal		–
Point #	Description	Elevation	Northing	Easting
1	ME	4266.58	2155114.62	833154.87
2	ME	4266.51	2155099.61	833150.31
3	ME	4266.40	2155076.22	833142.65
4	ME	4266.90	2155070.14	833166.77
5	ME	4267.52	2155059.75	833204.04
6	ME	4267.86	2155052.67	833227.26
7	ME	4268.57	2155038.21	833270.41
8	ME	4269.03	2155027.73	833298.88
9	ME	4269.26	2155021.53	833314.80
10	ME	4269.84	2155004.71	833355.17
11	ME	4270.12	2154996.88	833372.75
12	ME	4271.70	2154965.08	833437.77
13	ME	4271.92	2154958.79	833449.62
14	ME	4272.41	2154947.11	833470.90
15	ME	4272.59	2154943.01	833478.50
16	ME	4272.80	2154938.63	833485.71
17	ME	4273.00	2154934.25	833493.21
18	ME	4274.79	2154900.55	833547.33
19	ME	4275.50	2154889.57	833563.76
20	ME	4275.97	2154882.14	833574.55
21	ME	4276.85	2154868.11	833594.36
22	ME	4277.16	2154862.93	833601.46
23	ME	4277.46	2154857.85	833608.34
24	ME	4277.68	2154852.13	833616.04
25	ME	4280.29	2154811.66	833666.82
26	ME	4282.87	2154769.35	833714.85
27	ME	4283.53	2154755.69	833729.36

Point Table					Point Tal	ble			
Point #	Description	Elevation	Northing	Easting	Point #	Description	Elevation	Northing	Easting
28	ME	4284.01	2154742.88	833742.58	55	G	4272.48	2154945.85	833480.03
29	ME	4284.59	2154722.63	833762.75	56	G	4272.50	2154945.65	833481.52
30	ME	4284.12	2154746.37	833778.34	57	G	4272.68	2154941.59	833487.43
31	ME	4284.06	2154766.64	833792.18	58	G	4272.88	2154937.21	833494.91
32	G	4266.70	2155113.62	833158.14	59	G	4272.79	2154940.56	833499.34
33	G	4266.42	2155098.61	833153.58	60	G	4272.56	2154947.74	833497.46
34	G	4266.78	2155074.01	833167.78	61	G	4272.64	2154945.25	833487.93
35	G	4267.38	2155063.03	833205.01	62	G	4272.57	2154951.74	833504.88
36	G	4267.82	2155055.93	833228.29	63	G	4274.31	2154917.77	833559.36
37	G	4268.42	2155041.43	833271.55	64	G	4275.22	2154895.54	833563.64
38	G	4268.87	2155030.92	833300.10	65	G	4275.38	2154892.35	833565.74
39	G	4269.15	2155024.71	833316.06	66	G	4275.85	2154884.95	833576.50
40	G	4269.34	2155027.36	833318.63	67	G	4276.72	2154870.88	833596.36
41	G	4269.38	2155038.25	833313.98	68	G	4277.04	2154865.69	833603.49
42	G	4269.58	2155041.46	833321.50	69	G	4277.05	2154865.32	833604.94
43	G	4270.22	2155023.96	833363.58	70	G	4277.29	2154864.18	833611.30
44	G	4270.06	2155002.78	833371.55	71	G	4277.34	2154860.60	833610.38
45	G	4270.03	2154999.99	833374.16	72	G	4277.56	2154854.83	833618.07
46	G	4270.40	2154993.31	833392.54	73	G	4277.60	2154857.63	833622.85
47	G	4270.37	2155008.15	833399.55	74	G	4277.20	2154865.64	833621.75
48	G	4270.60	2155020.40	833406.29	75	G	4277.37	2154868.65	833628.93
49	G	4270.96	2155008.82	833438.23	76	G	4279.86	2154827.76	833680.30
50	G	4271.25	2154993.22	833430.08	77	G	4282.44	2154784.35	833729.55
51	G	4271.10	2154978.58	833422.69	78	G	4283.28	2154761.18	833730.21
52	G	4271.56	2154968.11	833439.36	79	G	4283.41	2154758.17	833731.72
53	G	4271.83	2154961.80	833451.24	80	G	4283.76	2154745.32	833744.98
54	G	4272.33	2154950.07	833472.56	81	G	4283.90	2154748.30	833775.52

Point Table						
Point #	Description	Elevation	Northing	Easting		
136	ME	4276.02	2154860.33	833554.87		
137	ME	4276.59	2154852.10	833566.74		
138	ME	4278.13	2154828.24	833599.33		
139	ME	4278.70	2154819.41	833610.80		
140	ME	4281.86	2154767.14	833673.57		
141	ME	4283.83	2154724.84	833719.16		
142	ME	4284.68	2154699.87	833744.40		
143	ME	4284.38	2154670.47	833725.48		
144	ME	4284.39	2154659.65	833709.11		
145	ME	4284.38	2154657.58	833703.61		
146	G	4265.93	2155004.04	833123.09		
147	G	4266.01	2155026.43	833129.95		
148	G	4266.56	2155039.94	833154.08		
149	G	4267.00	2155033.13	833179.28		
150	G	4267.07	2155026.35	833185.69		
151	G	4267.01	2155019.45	833192.49		
152	G	4268.40	2154993.96	833269.53		
153	G	4269.79	2154963.50	833344.74		
154	G	4270.03	2154964.36	833354.39		
155	G	4270.34	2154965.16	833364.16		
157	G	4270.77	2154938.34	833373.84		
158	G	4270.75	2154955.09	833381.88		
159	G	4271.30	2154943.71	833405.01		
160	G	4271.37	2154928.47	833397.31		
161	G	4271.63	2154938.30	833419.02		
162	G	4271.92	2154930.09	833424.38		
163	G	4272.08	2154921.94	833429.63		

	Point Table						
Point #	Description	Elevation	Northing	Easting			
164	G	4273.50	2154892.27	833481.77			
165	G	4273.70	2154891.56	833490.64			
166	G	4273.71	2154891.51	833501.25			
167	G	4274.48	2154866.91	833504.40			
168	G	4274.25	2154881.73	833513.84			
169	G	4275.16	2154867.70	833535.36			
170	G	4275.58	2154860.09	833534.67			
171	G	4275.94	2154857.29	833552.83			
172	G	4276.33	2154850.35	833555.12			
173	G	4276.77	2154841.62	833559.33			
174	G	4278.31	2154818.00	833591.61			
175	G	4278.55	2154816.62	833601.20			
176	G	4278.65	2154816.54	833608.51			
177	G	4278.75	2154813.23	833612.79			
178	G	4279.36	2154788.82	833612.32			
179	G	4279.42	2154803.38	833625.80			
180	G	4280.98	2154778.14	833656.23			
181	G	4281.75	2154764.80	833671.56			
182	G	4283.86	2154722.57	833716.98			
183	G	4284.39	2154666.01	833717.64			
184	G	4284.35	2154663.05	833709.46			
185	G	4284.30	2154659.90	833701.10			
186	С	4265.98	2155021.35	833129.02			
187	С	4266.48	2155019.61	833134.76			
188	С	4266.73	2155036.88	833163.15			
189	С	4267.23	2155031.08	833161.60			
190	WALK	4267.31	2155026.33	833160.33			

Point Table						
Point #	Description	Elevation	Northing	Easting		
82	G	4284.00	2154768.57	833789.36		
83	BOW	4267.21	2155111.93	833164.50		
84	С	4266.85	2155096.77	833159.90		
85	С	4267.28	2155079.89	833169.33		
86	D/W	4267.88	2155068.46	833206.61		
87	D/W	4268.32	2155061.33	833229.99		
88	WALK	4267.89	2155080.38	833210.12		
89	WALK	4268.33	2155073.17	833233.73		
90	ME	4267.76	2155088.05	833212.39		
91	ME	4268.20	2155080.80	833236.13		
92	D/W	4268.91	2155046.69	833273.42		
93	D/W	4269.35	2155036.14	833302.09		
94	WALK	4269.11	2155058.47	833277.60		
95	WALK	4269.55	2155047.82	833306.55		
96	ME	4269.23	2155065.98	833280.36		
97	ME	4269.67	2155055.29	833309.40		
98	ME	4270.20	2155049.29	833324.83		
99	ME	4270.83	2155031.38	833367.13		
100	С	4271.01	2155018.19	833396.98		
101	С	4271.67	2154997.35	833439.62		
102	D/W	4272.32	2154966.72	833453.88		
103	D/W	4272.83	2154954.94	833475.30		
104	WALK	4272.27	2154977.73	833459.80		
105	WALK	4272.65	2154965.83	833481.42		
106	ME	4272.39	2154984.77	833463.59		
107	ME	4272.50	2154972.81	833485.35		
108	ME	4273.22	2154959.12	833508.89		

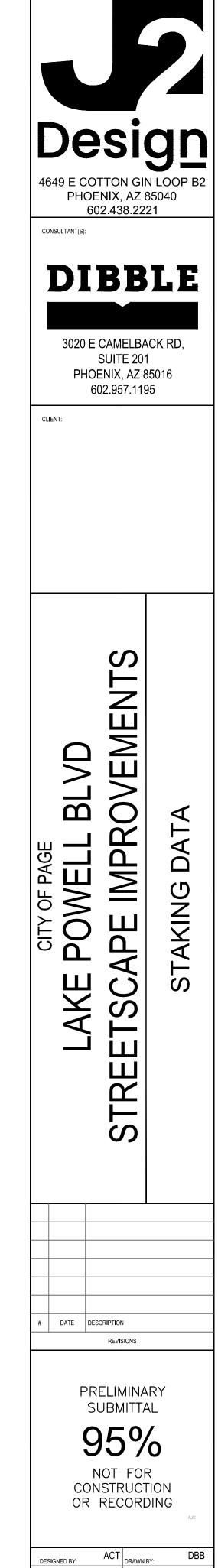
Point Table					
Point #	Description	Elevation	Northing	Easting	
191	WALK	4267.01	2155016.67	833157.	
192	WALK	4267.69	2155007.87	833189.	
193	WALK	4269.10	2154982.62	833265.	
194	WALK	4270.46	2154952.46	833339.	
195	С	4270.65	2154947.20	833375.	
196	С	4271.16	2154949.79	833369.	
197	С	4271.34	2154940.75	833365.	
198	С	4271.40	2154933.92	833402.	
199	С	4271.96	2154930.85	833408.	
200	С	4272.03	2154921.95	833403.	
201	С	4272.75	2154911.30	833423.	
202	WALK	4274.17	2154881.92	833475.	
203	С	4274.26	2154874.35	833506.	
204	С	4274.81	2154877.93	833501.	
205	С	4274.96	2154869.46	833495.	
206	С	4275.49	2154857.92	833531.	
207	С	4276.00	2154854.54	833537.	
208	С	4276.19	2154846.26	833531.	
209	WALK	4277.44	2154831.76	833552.	
210	WALK	4278.98	2154808.36	833584.	
211	С	4279.30	2154796.86	833615.	
212	С	4279.81	2154800.62	833610.	
213	С	4279.96	2154792.78	833604.	
214	G	4280.11	2154786.83	833630.	
215	G	4280.22	2154784.57	833631.	
216	С	4281.52	2154767.64	833650.	
217	С	4282.03	2154763.69	833655.	

Point Table						
Point #	Description	Elevation	Northing	Easting		
218	С	4282.08	2154756.14	833648.70		
219	WALK	4282.25	2154756.13	833663.89		
220	WALK	4282.39	2154748.74	833657.35		
221	WALK	4284.35	2154715.00	833708.17		
222	WALK	4284.45	2154707.84	833701.18		
223	С	4284.32	2154684.08	833727.15		
224	С	4284.82	2154688.14	833722.73		
225	WALK	4284.57	2154680.47	833711.15		
226	ME	4284.63	2154678.19	833709.07		
227	ME	4266.56	2155002.38	833129.30		
228	WALK	4266.61	2155011.43	833132.18		
229	WALK	4266.92	2155019.44	833147.16		
230	G	4271.00	2154922.57	833366.28		
231	ME	4271.21	2154916.01	833376.99		
232	G	4271.28	2154909.42	833387.69		
233	ME	4271.87	2154906.46	833393.56		
234	WALK	4271.98	2154914.84	833397.80		
235	WALK	4272.17	2154917.39	833412.44		
236	G	4274.79	2154857.76	833498.56		
237	ME	4274.77	2154850.65	833508.91		
238	G	4275.57	2154843.52	833519.24		
239	G	4279.73	2154776.57	833602.51		
240	ME	4280.37	2154764.04	833617.97		
241	G	4281.28	2154751.51	833633.42		
242	EOP	4270.90	2154951.70	833381.83		
243	EOP	4271.38	2154941.60	833402.35		
244	EOP	4274.38	2154878.37	833513.38		

			Point Tal	ole	
ng	Point #	Description	Elevation	Northing	Easting
9.36	109	ME	4274.95	2154924.69	833564.3
4.50	110	D/W	4276.36	2154889.60	833579.7
59.90	111	D/W	4277.23	2154875.46	833599.6
69.33	112	WALK	4276.42	2154899.80	833586.8
06.61	113	WALK	4277.29	2154885.53	833606.9
29.99	114	ME	4276.57	2154906.37	833591.3
10.12	115	ME	4277.44	2154892.01	833611.6
33.73	116	ME	4278.01	2154874.83	833633.2
12.39	117	ME	4283.08	2154789.62	833734.8
36.13	118	С	4284.25	2154753.59	833746.0
73.42	119	WALK	4283.97	2154761.76	833754.0
02.09	120	ME	4284.10	2154766.78	833758.9
77.60	121	С	4284.40	2154752.08	833770.1
06.55	122	ME	4284.56	2154772.28	833783.9
30.36	123	ME	4266.03	2155005.99	833116.5
09.40	124	ME	4265.98	2155034.80	833125.2
24.83	125	ME	4266.38	2155048.57	833133.6
67.13	126	ME	4266.68	2155043.25	833154.9
96.98	127	ME	4267.12	2155036.36	833180.1
39.62	128	ME	4267.43	2155031.73	833196.1
53.88	129	ME	4268.68	2155005.91	833273.8
	130	ME	4270.10	2154975.02	833350.1
75.30	131	ME	4270.46	2154968.03	833365.5
59.80	132	ME	4271.64	2154941.27	833420.5
31.42	133	ME	4271.90	2154933.34	833435.6
53.59	134	ME	4273.32	2154903.29	833488.4
35.35	135	ME	4273.83	2154894.36	833503.0

		Point Tal	ble	
Point #	Description	Elevation	Northing	Easting
245	EOP	4275.25	2154865.92	833532.4
246	ME	4267.68	2155106.29	833221.2
247	ME	4268.17	2155099.62	833242.9
248	ME	4269.90	2155080.61	833284.9
249	ME	4270.65	2155073.02	833313.2
250	ME	4272.22	2154998.86	833471.1
251	ME	4273.52	2154986.69	833493.3
252	ME	4274.23	2154953.15	833534.4
253	ME	4274.40	2154950.72	833539.6
254	ME	4276.97	2154919.51	833600.5
255	ME	4278.33	2154904.98	833621.0
256	ME	4279.73	2154858.95	833661.8
257	ME	4279.77	2154855.23	833666.5
258	ME	0.00	2154825.90	833712.4
259	ME	4282.34	2154821.16	833717.9
260	Р	4280.11	2154792.16	833632.6
261	Р	4280.20	2154793.19	833635.8
262	Р	4280.59	2154787.47	833642.7
263	Р	4280.65	2154783.96	833641.1

<u>POINT DATA TABLES</u>



IBM

DRAWING NO.: SHEET NO.: CV-502 11 OF 34

N/A

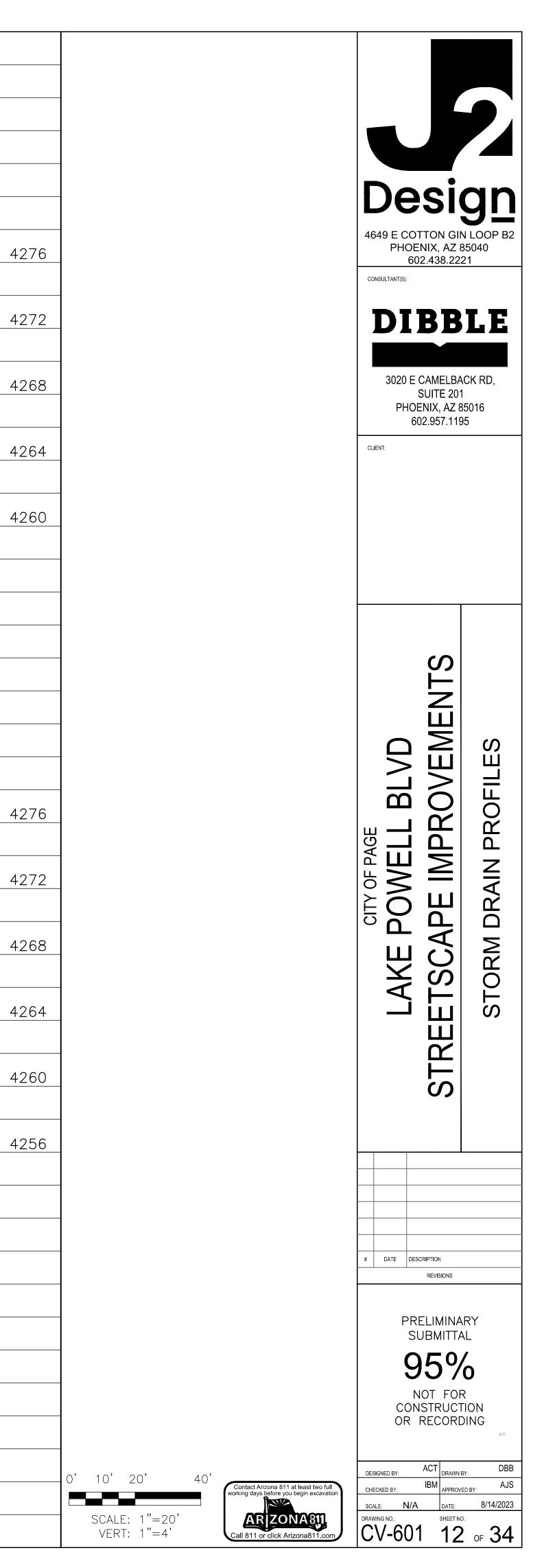
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PAVEMENT MARKING NOTES

- 1. THE CONTRACTOR SHALL REMOVE EXISTING PAVEMENT MARKERS IN CONJUNCTION WITH THE CONSTRUCTION OPERATIONS. THERE SHALL BE NO MEASUREMENT OR PAYMENT FOR THE REMOVAL OF EXISTING PAVEMENT MARKERS.
- 2. THE DIMENSIONS SHOWN TO PAVEMENT STRIPING ARE TO THE CENTER OF THE STRIPING OR, IN THE CASE OF DOUBLE STRIPING, TO THE CENTER OF DOUBLE STRIPING.
- 3. FINAL STRIPING SHALL BE 90 MIL (0.090 INCHES) THICK ALKYD EXTRUDED THERMOPLASTIC REFLECTORIZED STRIPING PLACED OVER THE EXISTING STRIPING, PLACED AT A MINIMUM OF 30 CALENDAR DAYS AFTER THE INITIAL STRIPING. ALL OTHER MARKINGS SHALL BE APPLIED AT THE SAME TIME.
- 4. AT THE COMPLETION OF THE FINAL PAVEMENT SURFACE EACH DAY, CENTER LINES, LANE LINES, EDGE LINES AND STOP BARS SHALL BE STRIPED WITH ONE APPLICATION OF STANDARD REFLECTORIZED TRAFFIC PAINT AT THE LOCATIONS OF THE PERMANENT STRIPING. THE PAINT SHALL HAVE A MAXIMUM THICKNESS OF 15 MILS WET (5 MILS DRY). ALL PAINTED STRIPING SHALL BE 4 INCHES WIDE. HOWEVER, EACH PAINTED STOP BAR AND SOLID WHITE LINE SHALL BE AT LEAST 12 INCHES WIDE.
- 5. ALL REFLECTIVE RAISED PAVEMENT MARKERS SHALL BE INSTALLED SO THAT THE REFLECTIVE FACE OF EACH MARKER IS FACING THE DIRECTION OF TRAFFIC AND IS PERPENDICULAR TO THE DIRECTION OF TRAFFIC FLOW. TYPE C PAVEMENT MARKERS SHALL BE INSTALLED SO THAT THE CLEAR REFLECTIVE FACE OF EACH MARKER IS FACING APPROACHING TRAFFIC AND IS PERPENDICULAR TO THE DIRECTION OF TRAFFIC FLOW.
- 6. ALL REFLECTIVE RAISED PAVEMENT MARKERS SHALL HAVE AN ABRASION-RESISTANT COATING ON THE FACE OF THE PRISMATIC REFLECTORS AND SHALL CONFORM TO DETAILS M-18 OR M-19 OF THE ADOT STANDARD DRAWINGS. THEY SHALL BE INSTALLED WITH A BITUMINOUS ADHESIVE WHICH IS ON THE ADOT APPROVED PRODUCTS LIST.
- 7. THE CONTRACTOR SHALL CLEAN THE ROADWAY SURFACE TO THE SATISFACTION OF THE ENGINEER, BY SWEEPING AND AIR-JET BLOWING, IMMEDIATELY PRIOR TO THE PLACEMENT OF ALL PAVEMENT MARKINGS. THE ROADWAY SURFACE SHALL BE DRY AND THE AIR AND PAVEMENT TEMPERATURES SHALL BE A MINIMUM OF 55°F AND RISING FOR THE PLACEMENT OF THERMOPLASTIC STRIPING AND SHALL NOT BE LESS THAN 55°F FOR THE INSTALLATION OF EXTRUDED THERMOPLASTIC.
- 8. PAVEMENT MARKING SYMBOLS AND LEGENDS SHALL BE INSTALLED IN ACCORDANCE WITH ADOT STANDARD DRAWINGS.
- 9. ALL FINAL STOP BARS, CROSSWALK LINES, PAVEMENT ARROWS, AND "ONLY" LEGENDS SHALL BE 90 MIL (0.090 INCH) THICK, EXTRUDED THERMOPLASTIC REFLECTORIZED MARKINGS.
- 10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE FINAL SURFACE COURSE IS PLACED SO THAT THE STRIPING IS OFFSET ONE FOOT CLEAR OF ANY CONSTRUCTION JOINT, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF PERMANENT PAVEMENT MARKINGS ON THE FINAL SURFACE COURSE FOLLOWING CONTROL POINTS THAT HAVE BEEN SET NO MORE THAN 50 FEET APART ALONG THE LINES TO BE STRIPED.
- 12. WATER BLASTING IS THE ONLY APPROVED METHOD FOR OBLITERATION. PAINTING OVER STRIPING, REMOVAL OF PAVEMENT, AND OVERLAYING PAVEMENT DO NOT CONSTITUTE STRIPE OBLITERATION.
- 13. THE PAVEMENT MARKING DRAWINGS ARE SCHEMATIC ONLY AND NOT TO SCALE. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS AND DETAILS WHEN INSTALLING PAVEMENT MARKINGS.
- 14. THE CITY OF PAGE PUBLIC WORKS DIRECTOR, OR THEIR DESIGNATED REPRESENTATIVE, AND THE ENGINEER HOLD SOLE DISCRETION TO MODIFY THE PAVEMENT MARKING PLANS.

1. ALL SIGNS SHALL BE IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT) SIGNING & MARKING STANDARD DRAWINGS, THE ADOT TRAFFIC ENGINEERING MANUAL OF APPROVED SIGNS, AND THE ADOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2021).

2. THE SIGN LOCATIONS AND THE POST LENGTHS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE SIGN LOCATIONS AND ACTUAL POST LENGTHS WITH THE ENGINEER PRIOR TO INSTALLING SIGNS.

3. THE BOTTOM OF EACH SIGN SHALL BE AT LEAST 7 FEET ABOVE THE NEAREST EDGE OF PAVEMENT AND AT LEAST 7 FEET ABOVE THE GROUND UNDER THE SIGN.

4. OFFSETS FOR ALL SIGNS SHALL BE MEASURED FROM THE EDGE OF THE ROADWAY TO THE NEAREST EDGE OF THE SIGN.

5. ALL NEW SIGNS SHALL BE FABRICATED OF FLAT SHEET ALUMINUM AS INDICATED IN ADOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2021), SECTION 608.

6. THE RETROREFLECTIVE SHEETING ON ALL NEW SIGNS SHALL MEET CRITERIA ESTABLISHED IN SECTION 1007 OF THE STANDARD SPECIFICATIONS AND IN SECTION 380 OF ADOT'S TRAFFIC POLICIES, GUIDELINES AND PROCEDURES.

7. ALL NEW SIGNS SHALL BE INSTALLED ON NEW 2" SQUARE TUBE POSTS AND CONCRETE FOUNDATIONS, AS INDICATED IN ADOT STANDARD DRAWINGS.

8. THE CITY OF PAGE PUBLIC WORKS DIRECTOR, OR THEIR DESIGNATED REPRESENTATIVE, AND THE ENGINEER HOLD SOLE DISCRETION TO MODIFY THE SIGNING PLANS.

9. SHOP DRAWINGS WILL BE REQUIRED FOR REVIEW AND APPROVAL.

10. THE CONTRACTOR SHALL REMOVE EXISTING SIGNING WHERE INDICATED ON THE PLANS.

11. THE CONTRACTOR SHALL PRESERVE ALL ROADWAY SIGNS, SIGN SUPPORTS, OBJECT MARKERS, AND MILEPOST MARKERS NOT IDENTIFIED FOR REMOVAL. THE CONTRACTOR SHALL REPLACE ANY SIGNS, SIGN SUPPORTS, AND MARKERS DAMAGED AS A RESULT OF THE CONSTRUCTION AT THE CONTRACTOR'S EXPENSE.

12. THE CONTRACTOR SHALL INVENTORY ALL SIGNS TO BE REMOVED OR COVERED AND NOTE DAMAGED SIGNS TO THE ENGINEER AT THE TIME OF COVERING OR REMOVAL. ALL SIGNS DAMAGED BY COVERING OR REMOVAL SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

SIGNING NOTES



4SW







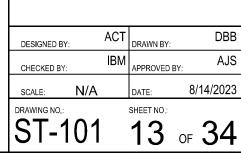


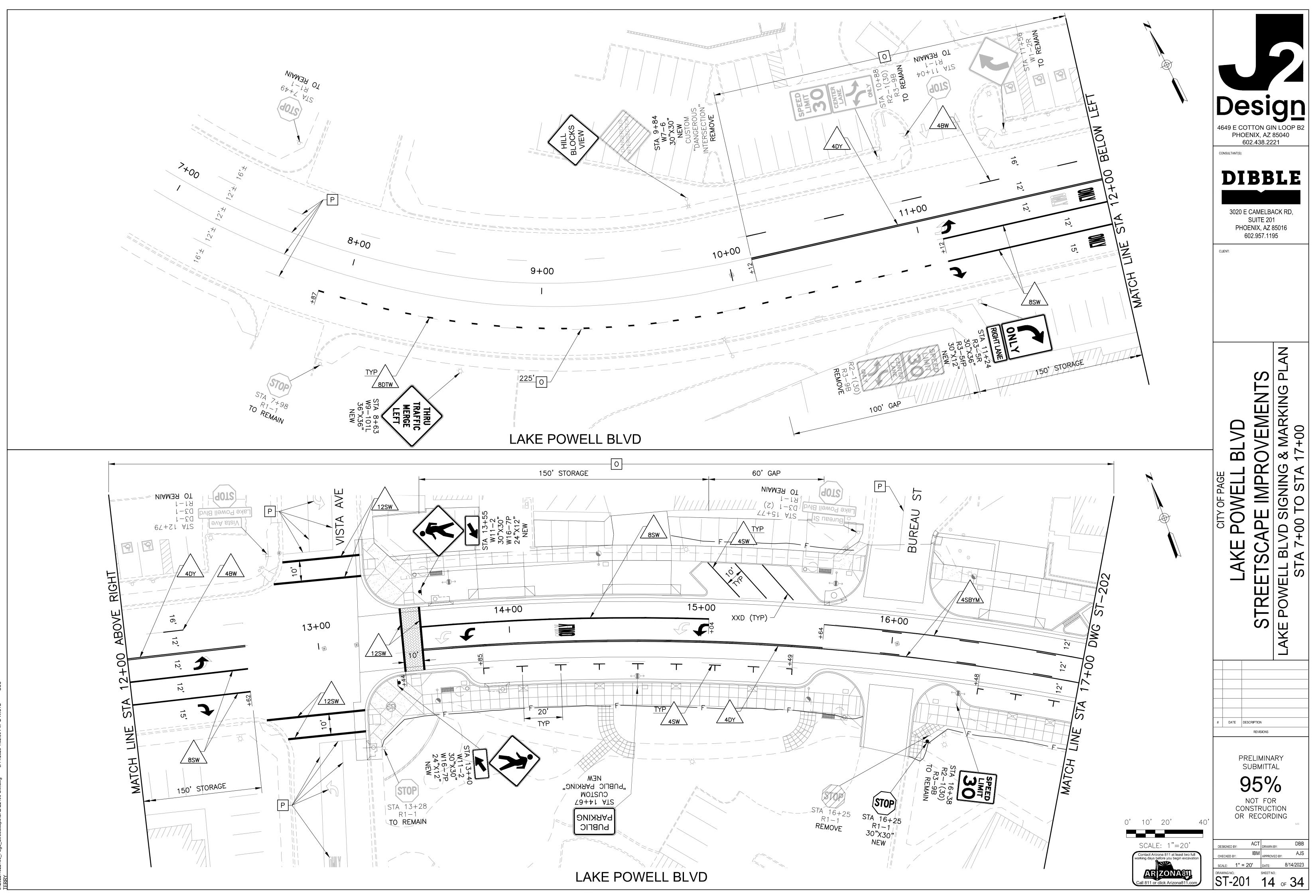
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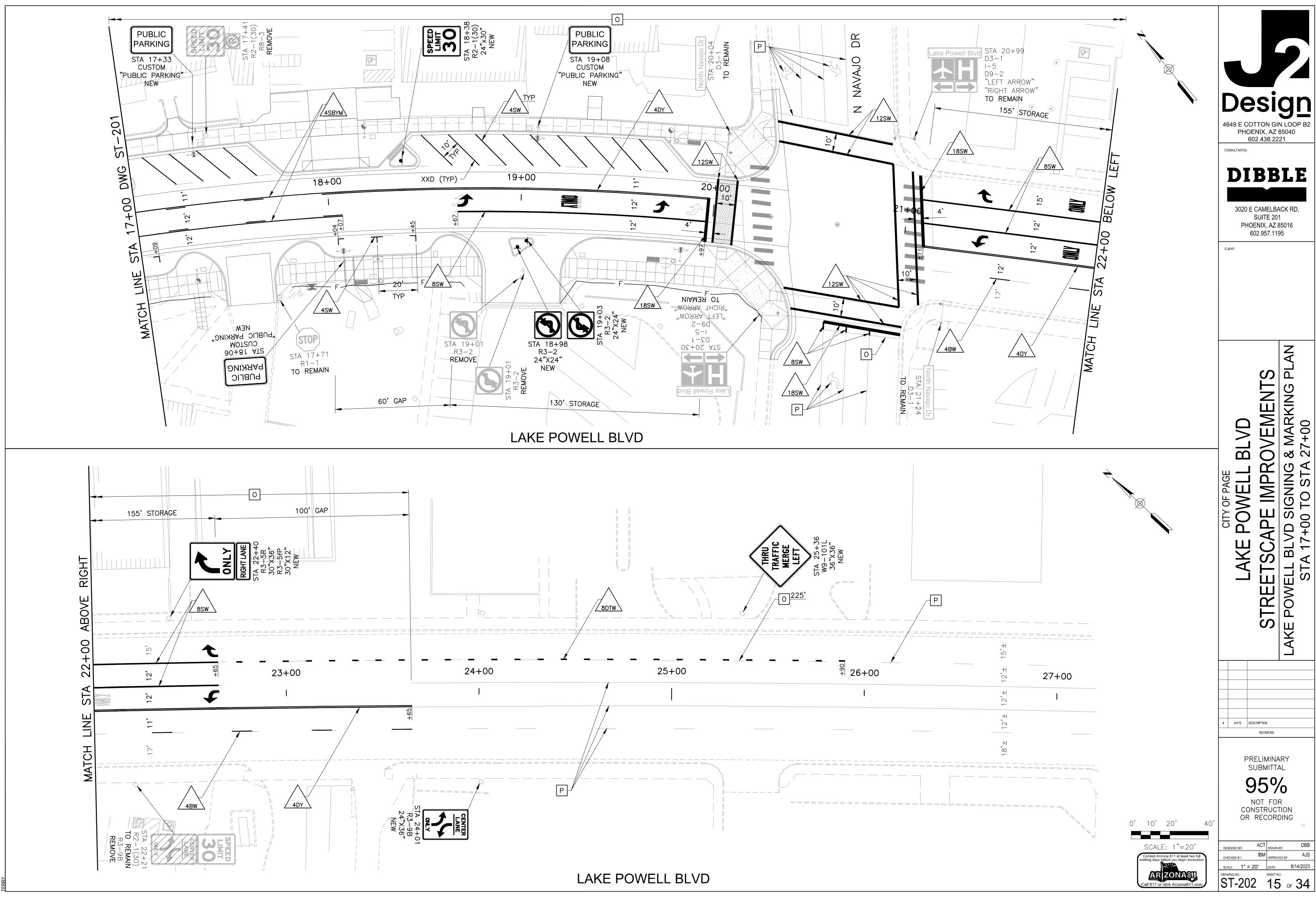


STRI	PING LEGEND	
	4" BROKEN WHITE LINE WITH A 10' LINE SEGMENT AND A 30' GAP	Design
	4" SOLID WHITE LINE	4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221 CONSULTANT(S):
Z"	4" SOLID DOUBLE YELLOW LINE	3020 E CAMELBACK RD, SUITE 201 PHOENIX, AZ 85016
<u>30'</u> <u>10'</u>	4" DOUBLE YELLOW LINE, ONE SOLID, ONE BROKEN WITH A 10' LINE SEGMENT AND A 30' GAP	602.957.1195
 	8" SOLID WHITE LINE	
	8" DASHED WHITE LINE WITH A 2' LINE SEGMENT AND A 6' GAP	ST du
	12" SOLID WHITE LINE	F PAGE VELL BLVD IMPROVEMENT G NOTES & LEGENI
	18" SOLID WHITE LINE	OF PAGE WELL E IMPRO
h † <i>d</i>	PAVEMENT ARROW MARKING & LEGEND ADOT STD DWG M—10	l°≥ ž
ONLY	PAVEMENT ARROW MARKING & LEGEND ADOT STD DWG M-6	
0	OBLITERATE EXST PAVEMENT MARKING	LAKE S & MA
P	PROTECT EXST PAVEMENT MARKING IN PLACE	CIT LAKE PC STREETSCAPE SIGNING & MARKI
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		DESIGNED BY: ACT DBB





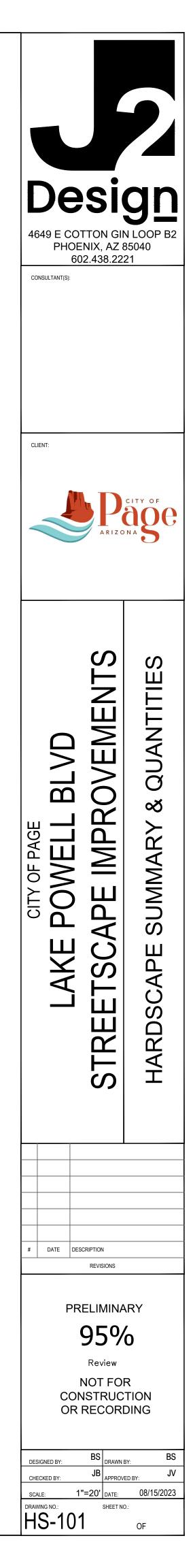


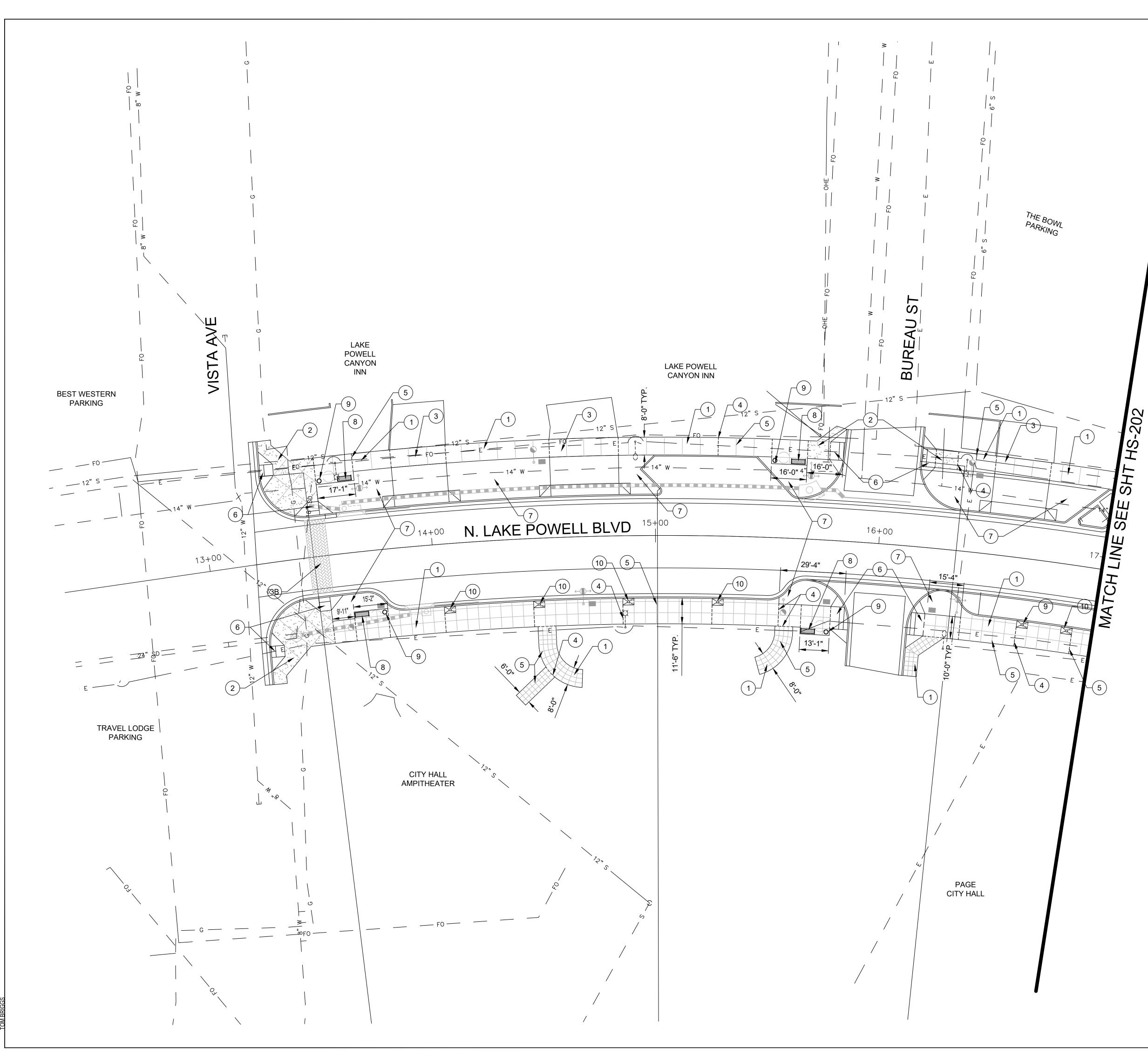


CONSTRUCTION AMENITIES SCHEDULE

DESCRIPTION	QTY.	MANUFACTURER	MODEL	MATERIAL	COLOR	FINISH	DETAIL	NOTES
HARDSCAPE ELEMENTS	8-							
4" CONCRETE WALK/ PAVING	10,522 SQ. FT.	N/A	N/A	CONCRETE CLASS B	STD. GREY	MEDIUM BROOM	DTL. 2, SHT. HS-301	MOCK UP REQUIRED
4" EXPOSED AGGREGATE CONCRETE PAVING	2,440 SQ. FT.	N/A	N/A	CONCRETE CLASS A	STD. GREY	EXPOSED AGGREGATE	DTL. 2, SHT. HS-301	MOCK UP REQUIRED
6" CONCRETE WALK/ PAVING	848 SQ. FT.	N/A	N/A	CONCRETE CLASS A	STD. GREY	MEDIUM BROOM	DTL. 2, SHT. HS-301	MOCK UP REQUIRED
SITE AMENITIES-								
6'-0" BENCH WITH BACK	7 EACH	LANDSCAPE FORMS	PARC VUE, 72" BACKED, SURFACE MOUNT, W/ END ARMS AND DIVIDER	STEEL	COLOR: CRANBERRY	POWDERCOAT	DTL. 3, SHT. HS-301	INSTALL PER MANUFACTURER SPECIFICATIONS
TREE GRATE (3' X 5') W/ FRAME	7 EACH	IRONSMITH	MARKET STREET 6030	IRON	-	UNFINISHED	DTL. 1 & 2, SHT. HS-302	INSTALL PER MANUFACTURER SPECIFICATIONS
LITTER/ RECYCLE RECEPTACLE	7 EACH	LANDSCAPE FORMS	CHASE PARK, SIDE OPENING, LITTER RECEPTACLE, DUAL USE	STEEL & ALUMINUM	COLOR: CRANBERRY	POWDERCOAT	DTL. 4, SHT. HS-301	INSTALL PER MANUFACTURER SPECIFICATIONS

SURFAC	SURFACE MATERIAL LEGEND										
<u>SYMBOL:</u>	MATERIAL/DESCRIPTION:	<u>DETAILS:</u>	QTYS:								
	4" CONCRETE PAVING - MEDIUM BROOM FINISH	SEE DTL 2 SHEET HS-301	10,534 SQ. FT.								
	4" CONCRETE PAVING - EXPOSED AGGREGATE	SEE DTL 2 SHEET HS-301	2,440 SQ. FT.								
	STAMPED, COLORED ASPHALT	TBD	598 SQ. FT.								
	6" CONCRETE PAVING - MEDIUM BROOM FINISH	SEE DTL 2 SHEET HS-301	848 SQ. FT.								
	DECOMPOSED GRANITE SIZE: ¾" MINUS COLOR: DESERT BROWN	SEE DTL 3 SHEET LS-401	9,840 SQ. FT.								

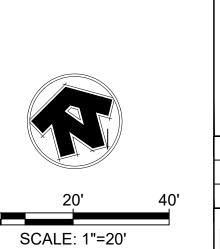


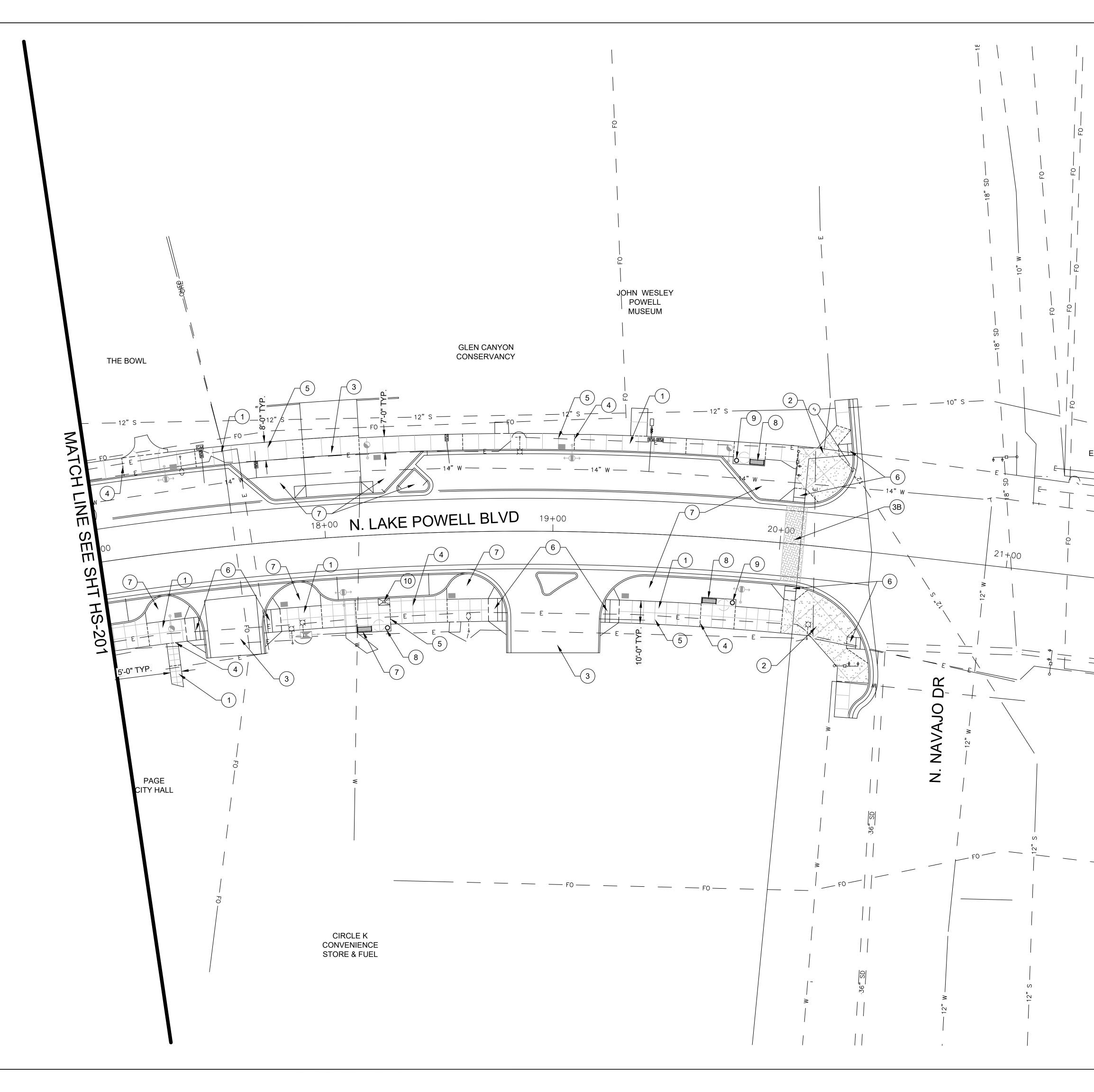


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	torsultant(s):
	CLIENT:
302	CITY OF PAGE LAKE POWELL BLVD STREETSCAPE IMPROVEMENTS HARDSCAPE PLAN
	PRELIMINARY 95% Review NOT FOR CONSTRUCTION OR RECORDING BB DRAWN BY: BS
40'	KJB APPROVED BY: JV SCALE: 1"=20' DATE: 08/15/2023 DRAWING NO.: SHEET NO.: SHEET NO.: HS-201 OF

CONSTRUCTION KEYNOTES: KEY DESCRIPTION DETAIL # HARDSCAPE ELEMENTS (1) 4" CONCRETE PAVING DETAIL 2, SHEET HS301 2 4" EXPOSED AGGREGATE/ CONCRETE PAVING DETAIL 2, SHEET HS-301 (3) 6" CONCRETE PAVING DETAIL 2, SHEET HS-301 (3B) STAMPED, COLORED ASPHALT TBD 4 EXPANSION JOINT, TYP. DETAIL 1, SHEET HS-301 5 CONTROL JOINT, TYP. DETAIL 1, SHEET HS-301 6 ADA RAMP, TYP. SEE CIVIL PLANS $\left(\begin{array}{c} \end{array}\right)$ PLANTER, TYP. SEE LANDSCAPE PLANS SITE AMENITIES 8 6'-0" STANDARD BENCH DETAIL 3, SHEET HS-301 9 LITTER RECEPTACLE DETAIL 4, SHEET HS-301 (10) TREE GRATE DETAIL 1 &2 , SHEET HS-30 $\left(\begin{array}{c} 11 \end{array}\right)$ STREET LIGHTING, TYP. SEE LIGHTING PLANS (12) PEDESTRIAN LIGHT, TYP. SEE LIGHTING PLANS



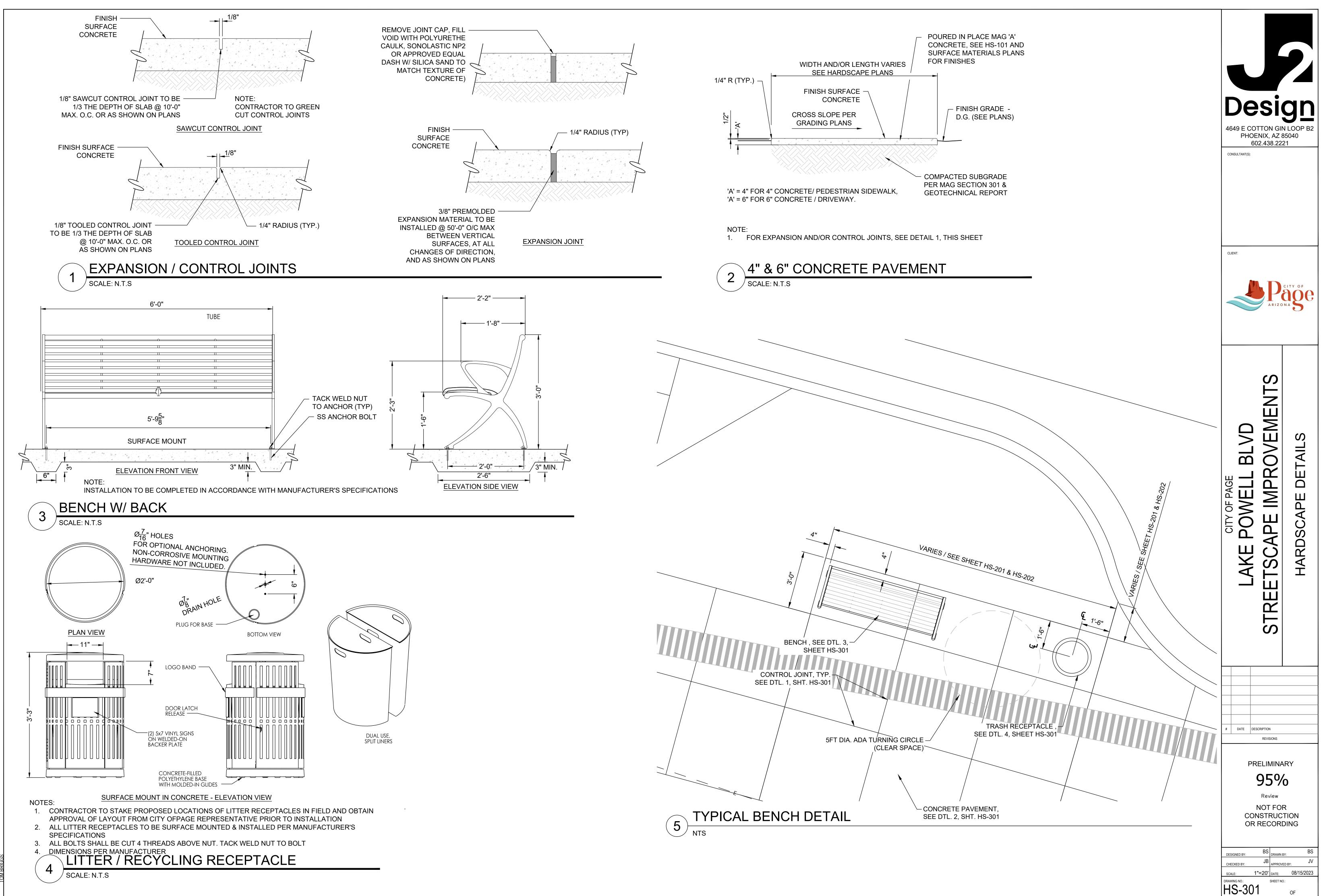


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		CLIENT:
	CONSTRUCTION KEYNOTES: KEY # DESCRIPTION DETAIL HARDSCAPE ELEMENTS 1 4" CONCRETE PAVING DETAIL 2, SHEET HS301 2 4" EXPOSED AGGREGATE/ CONCRETE PAVING DETAIL 2, SHEET HS-301 3 6" CONCRETE PAVING DETAIL 2, SHEET HS-301 3 6" CONCRETE PAVING DETAIL 2, SHEET HS-301 3B STAMPED, COLORED ASPHALT TBD 4 EXPANSION JOINT, TYP. DETAIL 1, SHEET HS-301 5 CONTROL JOINT, TYP. DETAIL 1, SHEET HS-301 6 ADA RAMP, TYP. SEE CIVIL PLANS 7 PLANTER, TYP. SEE LANDSCAPE PLANS 8 6'-0" STANDARD BENCH DETAIL 3, SHEET HS-301 9 LITTER RECEPTACLE DETAIL 4, SHEET HS-301	LAKE PO CITY CITY CITY CITY CITY CITY CITY CITY
F0	(10)TREE GRATEDETAIL 1 &2 , SHEET HS-(11)STREET LIGHTING, TYP.SEE LIGHTING PLANS(12)PEDESTRIAN LIGHT, TYP.SEE LIGHTING PLANS	302
		REVISIONS PRELIMINARY 95% Review NOT FOR CONSTRUCTION OR RECORDING

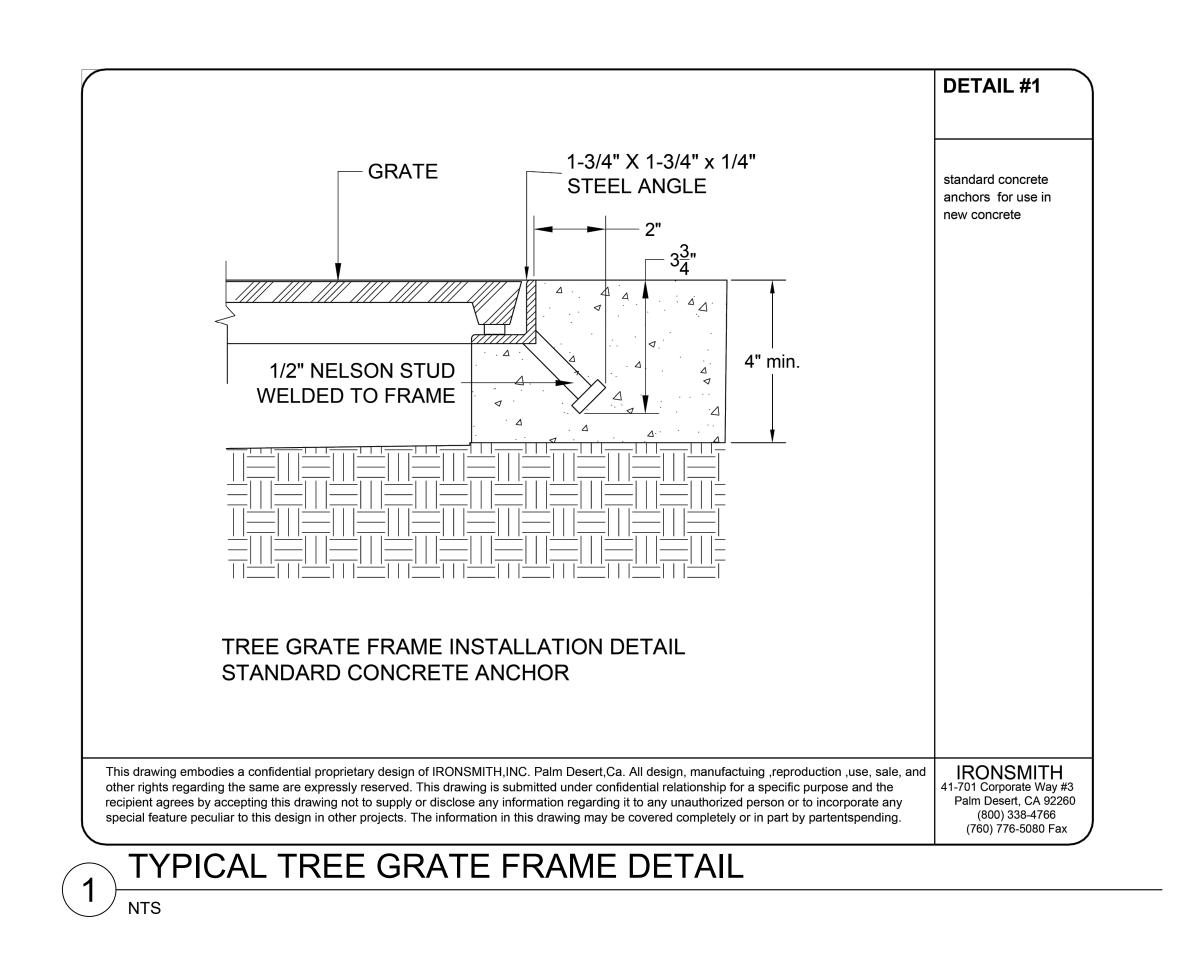
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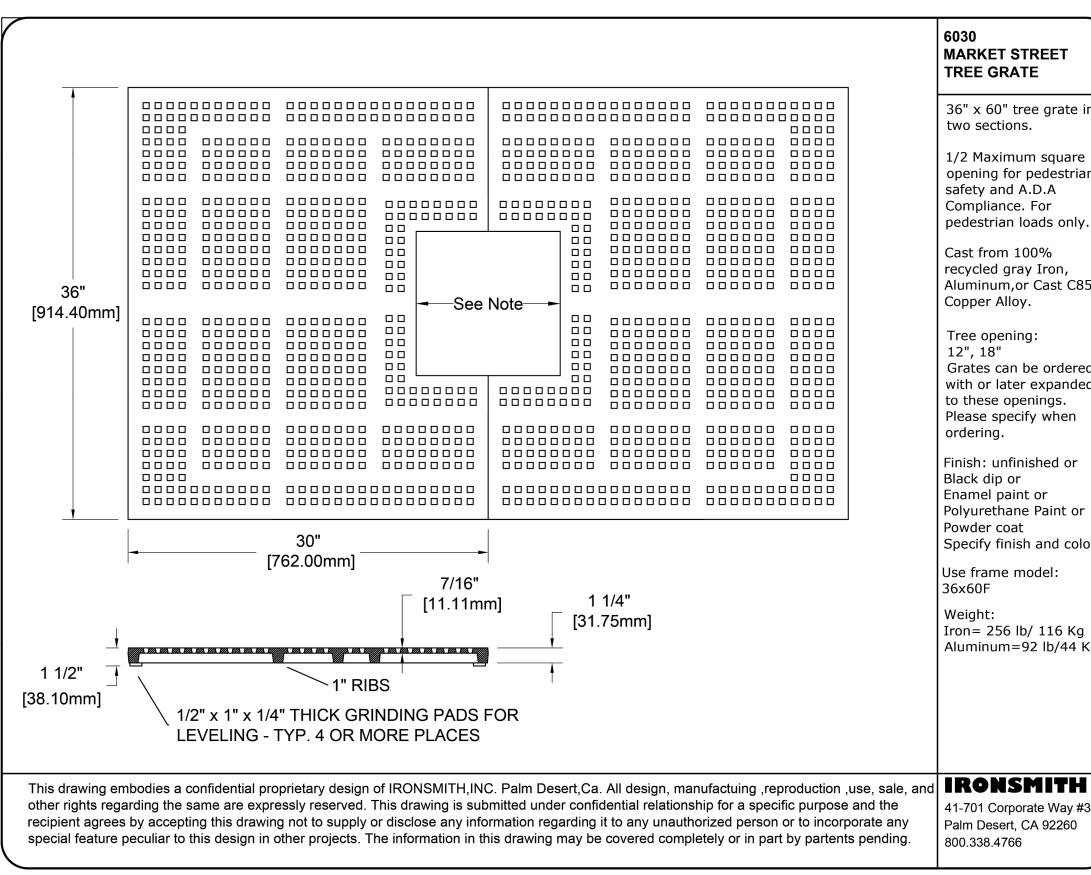
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TYPICAL TREE GRATE DETAIL

6030
MARKET STREE
TREE GRATE

36" x 60" tree grate in two sections.

1/2 Maximum square opening for pedestrian safety and A.D.A Compliance. For pedestrian loads only.

Cast from 100% recycled gray Iron, Aluminum, or Cast C854 Copper Alloy.

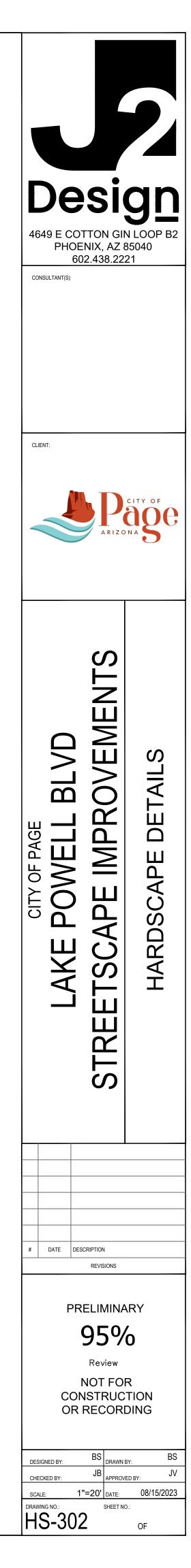
Tree opening: 12", 18" Grates can be ordered with or later expanded to these openings. Please specify when ordering.

Finish: unfinished or Black dip or Enamel paint or Polyurethane Paint or Powder coat

Specify finish and color Use frame model: 36x60F

Weight: Iron= 256 lb/ 116 Kg Aluminum=92 lb/44 Kg

41-701 Corporate Way #3 Palm Desert, CA 92260 800.338.4766



ANDSCAPING GENERAL NOTES	LANDSCAPIN
1. ALL LANDSCAPE AND IRRIGATION INSTALLED WITHIN THE PUBLIC RIGHT-OF-WAY OR OTHER CITY MAINTAINED AREAS SHALL BE INSTALLED PER THE APPROVED PLANS. ALL LANDSCAPING APPROVED AS A PART OF THE SITE PLAN PROCESS SHALL BE INSTALLED PER THE APPROVED PLANS. ANY DEVIATIONS TO THE APPROVED PLANS REQUIRE CITY APPROVAL.	17. THE JOB SITE, AT THE OF ANY DEBRIS OR S BE CONSIDERED COM HAVE BEEN SWEPT O MONUMENTS ARE INS
2. PERMITS ARE REQUIRED FOR ELECTRICAL CONNECTIONS, INCLUDING ELECTRIC METER INSTALLATION, BACKFLOW PREVENTERS AND WORK WITHIN THE CITY RIGHT-OF-WAY OR CITY DEDICATED PROPERTY. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THESE PERMITS PRIOR TO THE COMMENCEMENT OF ANY WORK.	18. ALL EQUIPMENT AND IN THE SPECIFICATIO INSTALLATION, SHALI CONTRACT WORK.
3. ALL LANDSCAPE PROJECTS REQUIRING CITY MAINTENANCE OR WITHIN THE CITY RIGHT-OF-WAY SHALL BE INSPECTED FOR THE FOLLOWING:	19. ALL LANDSCAPE SHA AND THESE SPECIFIC
3.1. PLANT LOCATIONS: THESE LOCATIONS SHALL BE STAKED IN THE FIELD WITH IDENTIFICATION AS TO TREES OR SHRUBS, OR HOLES FOR THE PLANT MATERIALS MAY BE DUG WITH IDENTIFICATION OF PLANT TYPE. USE OF THIS METHOD DOES NOT RELIEVE THE CONTRACTOR OF ANY PLANT	20. LANDSCAPE REMOVA VEGETATIVE REMOVA ASSOCIATED WITH EA
 RELOCATIONS MADE BY THE CITY. 3.2. SUBSTANTIAL COMPLETION: AN INSPECTION AT COMPLETION OF THE LANDSCAPE AND IRRIGATION INSTALLATION WILL BE MADE. ANY DEFICIENCIES IN THE INSTALLATION WILL BE NOTED AND CORRECTED BY THE CONTRACTOR DURING THE MAINTENANCE PERIOD. 3.3. FINAL ACCEPTANCE: A FINAL INSPECTION IS REQUIRED PRIOR TO CITY 	21. ALL EXISTING TREES PLACE. THE REMAINI NOTED OTHERWISE S DEMOLITION PHASE (REMOVED FROM PRO CONTRACTOR'S EXPI
ACCEPTANCE OF THE LANDSCAPE AND IRRIGATION IMPROVEMENTS. 4. SEPARATE INSPECTIONS ARE REQUIRED FOR THE WATER TAP, METER	AREAS DESIGNATED REPORT AND SCARIF AREAS TO BE PLANTI
INSTALLATION, BACKFLOW PREVENTER AND ELECTRICAL CONNECTIONS. CALL CITY A MINIMUM OF 24 HOURS PRIOR TO ARRANGE FOR THESE INSPECTIONS.	22. ALL PLANT MATERIAL ETC., AS SET FORTH
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS, INSTALLATION, AND REQUIRED PERMIT FEE COST FOR THE WATER METER(S) DESIGNATED TO SERVE THE IRRIGATION SYSTEM. 	THE AMERICAN ASSO THE CURRENT "ARIZO M.A.G. SPEC 795.7. S ARIZONA NURSERY A
6. PLANTINGS SHALL NOT INTERFERE WITH ANY TRAFFIC CONTROL SIGNS AND SHALL MAINTAIN A MAXIMUM HEIGHT OF 24" WITHIN ANY VISIBILITY TRIANGLES.	23. LANDSCAPE ARCHITE INSPECT SHRUBS AN
7. INSTALLATION OF THE LANDSCAPE INCLUDING ADDITION OF GROUND PLANE MATERIALS SHALL NOT IMPEDE THE FLOW OF DESIGNED DRAINAGE FACILITIES NOR DECREASE THE DESIGN VOLUME OF ANY DETENTION/RETENTION BASINS.	FOR ANY SUCH INSPE SHALL SUPPLY ADDIT 24. THE CONTRACTOR S
8. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL UNDERGROUND UTILITIES DURING THE LANDSCAPE INSTALLATION.	THE LANDSCAPE ARC CONTRACTOR SHALL
 ALL TREES SHALL MAINTAIN A MINIMUM OF 6'-0" CLEARANCE FROM ANY CITY WATER OR SEWER LINE. ALL PLANTINGS SHALL MAINTAIN A SUFFICIENT DISTANCE TO ANY SANITARY AND STORM SEWER MANHOLES TO ALLOW ACCESS BY MAINTENANCE VEHICLES. 	25. IT IS THE CONTRACTO FAMILIAR WITH ALL E INSTALLATION OF AN A BID.
 ALL ROCK GROUNDCOVER AREAS SHALL BE SPRAYED WITH PRE-EMERGENT HERBICIDE BY A LICENSED APPLICATOR AS PART OF INSTALLATION AS FOLLOWS (A MINIMUM OF THREE (3) APPLICATIONS ARE REQUIRED): 10.1. PRIOR TO THE APPLICATION OF GRANITE: PER MANUFACTURER'S RECOMMENDED RATES. 	26. THE CONTRACTOR IS PROJECT'S EXISTING NOT NOTED ON THE I TO BE REPAIRED AT
10.2. AFTER GRANITE APPLICATION: PER MANUFACTURER'S RECOMMENDED RATES.10.3. PRIOR TO FINAL ACCEPTANCE: PER MANUFACTURER'S RECOMMENDED	27. THE CONTRACTOR IS DEBRIS RESULTING F SHALL ANY OF THIS N
RATES THE CITY SHALL BE FURNISHED WITH WRITTEN DOCUMENTATION OF THE SCHEDULE OF APPLICATION DATES.	ADJOINING STREET O
11. AS-BUILT DRAWINGS OF THE LANDSCAPE AND IRRIGATION SYSTEM ARE REQUIRED PRIOR TO ACCEPTANCE BY THE CITY AND FOR PROJECTS WITHIN THE CITY RIGHT-OF-WAY OR CITY OWNED PROPERTY. THE AS-BUILT DRAWINGS SHALL BE HARD COPY BOND SCANNED TO PDF SHOWING THE LOCATIONS OF ALL PLANTINGS AND THE DIMENSIONS TO FIXED POINTS OF ALL IRRIGATION EQUIPMENT, PIPING ETC.	VERIFY ALL LANDSCA IMMEDIATELY. IN CAS OF ANY SPECIES QUA GRANITE, CONCRETE DRAWINGS AND THE TAB, THE DRAWINGS
12. ALL TREES WITHIN VEHICULAR SIGHT DISTANCE/VISIBILITY CLEAR ZONES SHALL HAVE A VERTICAL CANOPY CLEARANCE/CLEAR TRUNK TO 7' ABOVE THE NEAREST CURB.	29. CONTRACTOR SHALL AND PROPOSED UND STARTING ANY WORF WHERE PLANT MATE
13. SUBSTANTIAL INSPECTION - AN INSPECTION AT COMPLETION OF THE LANDSCAPE AND IRRIGATION INSTALLATION WILL BE MADE BY THE CITY OF PAGE. ANY DEFICIENCIES IN THE INSTALLATION WILL BE NOTED AND CORRECTED BY THE CONTRACTOR PRIOR TO THE START OF THE MAINTENANCE PERIOD.	DAMAGE BY THE CON REPAIRED BY THE CO 30. ALL LANDSCAPE ARE
14. LANDSCAPE MAINTENANCE PERIOD - THE CONTRACTOR SHALL NOTIFY THE CITY MANAGER WHEN ALL LANDSCAPING IS COMPLETED AND READY FOR A	DECOMPOSED GRAN COMPACTED AS SPE
LANDSCAPE AND IRRIGATION INSPECTION. THE CITY SHALL ISSUE A LETTER TO BEGIN THE LANDSCAPE MAINTENANCE PERIOD. THE LANDSCAPE MAINTENANCE PERIOD SHALL BE FOR A MINIMUM OF NINETY (90) DAYS AND EXTEND UNTIL ALL	31. FOR SITE OBSERVAT REFER TO THE PLANS
PLANT MATERIAL IS ESTABLISHED AND ACCEPTED BY THE CITY FOR ONE FULL GROWING SEASON. IF NOT HEALTHY AT THE END OF THE MAINTENANCE PERIOD, MAINTENANCE SHALL BE CONTINUED UNTIL THE PLANT MATERIAL IS APPROVED BY THE CITY.	32. FOR ADDITIONAL CON AND IRRIGATION PLA
15. FINAL ACCEPTANCE - A FINAL INSPECTION IS REQUIRED AT THE END OF THE LANDSCAPE MAINTENANCE PERIOD TO DETERMINE FINAL ACCEPTANCE.	
16. CONTRACTOR MUST SUBMIT A DECOMPOSED GRANITE SAMPLE TO LANDSCAPE	

GENERAL NOTES CONT.

MPLETION OF THE CONSTRUCTION, SHALL BE CLEANED RESULTING FROM THE CONSTRUCTION. NO JOB WILL ETE UNTIL ALL CURBS, PAVEMENT, AND SIDEWALKS N OF ALL DIRT AND DEBRIS, AND ALL SURVEY LED ACCORDING TO THE PLANS AND SPECIFICATIONS.

TERIALS NOT SHOWN OR SPECIFIED ON THE PLANS OR BUT WHICH ARE REQUIRED TO COMPLETE THIS SUPPLIED BY THE CONTRACTOR AS PART OF THIS

COMPLY WITH CITY STANDARDS, MAG SPECIFICATIONS ONS.

A NON PAY ITEM (N.P.I.) AND THE COST FOR HOULD BE INCLUDED IN SITE PREPARATION WORK ITEM OF WORK.

SHRUBS UNLESS NOTED ARE TO BE PROTECTED IN OF EXISTING VEGETATION (WEEDS, ETC.) UNLESS L BE REMOVED AND DISPOSED OF AS PART OF THE HIS CONTRACT (NPI). ALL MATERIALS ARE TO BE T AREA AND DISPOSED OF PROPERLY OFF-SITE AT THE UNLESS OTHERWISE NOTED. (COMPACT THOSE PAVEMENT TO 95% OR AS SPECIFIED IN THE SOILS XISTING SUBGRADE A MINIMUM OF 6-INCH DEPTH IN

HER THAN TREES, SHALL CONFORM TO GRADING, TYPE, "HE AMERICAN STANDARD FOR NURSERY STOCK" BY TION OF NURSERYMEN. ALL TREES SHALL CONFORM TO NURSERY ASSOCIATION TREE SPECIFICATIONS" AND LD ANY CONFLICTS IN SPECIFICATIONS OCCUR, THE DCIATION'S SPECIFICATIONS SHALL PREVAIL.

AND CITY REPRESENTATIVE RESERVES THE RIGHT TO ONTAINERIZED TREES FOR CONDITION OF ROOT BALLS. ION WHICH MAY DESTROY ROOT BALL, CONTRACTOR IAL PLANTS AT NO COST TO THE CITY.

_ HAVE THE PLANT PITS INSPECTED AND APPROVED BY ECT AND CITY REPRESENTATIVE PRIOR TO PLANTING. QUEST INSPECTION 48 HOURS IN ADVANCE.

RESPONSIBILITY TO INSPECT THE JOB SITE TO BECOME FING CONDITIONS THAT COULD AFFECT THE ORK SET FORTH IN THESE PLANS PRIOR TO SUBMITTING

VISED THAT DAMAGE TO ANY PORTION OF THIS VEMENT, CURBING AND SURROUNDING AREA THAT IS NS TO BE REMOVED, AS A RESULT OF THIS PROJECT, IS CONTRACTOR'S EXPENSE.

SPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ANY 1 THE DEMOLITION AND CONSTRUCTION. AT NO TIME ERIAL OBSTRUCT THE NORMAL OPERATION OF ANY NY AREAS ASSOCIATED WITH THIS PROJECT.

ONLY FOR REFERENCE PURPOSES. CONTRACTOR TO QUANTITIES AND REPORT ANY DISCREPANCIES F A DISCREPANCY BETWEEN THE NUMBER OF PLANTS TIES OF TURF, RIVER RUN ROCK, DECOMPOSED ADER AND ALL OTHER MATERIALS INDICATED ON THE AL NUMBER INDICATED ON THE MATERIALS LIST OR BID ALL BE ACCEPTED AS CORRECT.

RIFY THE EXISTENCE AND LOCATION OF ALL EXISTING GROUND UTILITIES AND STRUCTURES PRIOR TO EPORT IMMEDIATELY TO THE OWNER ANY CASES SHALL BE RELOCATED TO AVOID THE UTILITIES. ACTOR TO ANY WORK SHALL BE REPLACED AND/OR RACTOR AT THEIR EXPENSE.

SHALL HAVE AN APPLIED TOPPING OF EITHER FINISH GRADE AREAS ARE TO BE RAKED AND ED IN MAG SECTIONS 430 AND LEFT SMOOTH AND EVEN.

S DURING THE CONSTRUCTION PHASE OF PROJECT ID SPECIFICATIONS.

RUCTION NOTES REFER TO LANDSCAPE, HARDSCAPE, AND THE SPECIFICATIONS.

NOTE: CONTRACTOR SHALL REFER TO SPECIFICATIONS FOR SOIL ANALYSIS, SOIL AMENDMENTS / SUPPLEMENTS, FERTILIZERS, ETC.

GENERAL NOTES TO CONTRACTOR

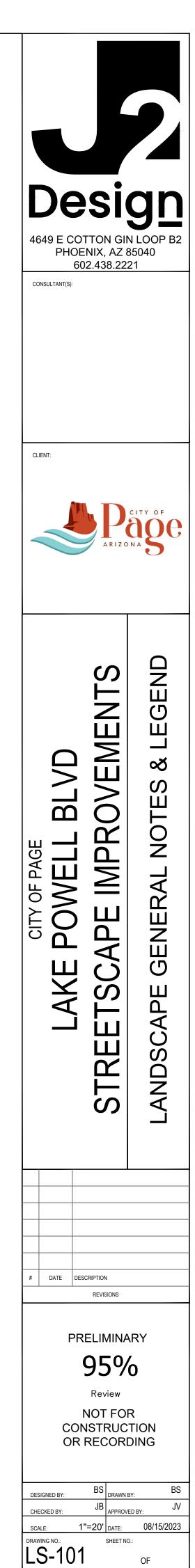
- 1. PRIOR TO ANY LANDSCAPE OR IRRIGATION CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST 48 HOURS IN ADVANCE OF INSTALLATION WORK.
- 2. PRIOR TO ANY CONSTRUCTION OR UTILITY WORK STARTING WITHIN A CITY RIGHT-OF-WAY, WHICH WILL AFFECT EXISTING CITY-OWNED AND MAINTAINED LANDSCAPING OR IRRIGATION SYSTEMS, THERE WILL BE A MEETING ON SITE TO SHOW THAT THE EXISTING SYSTEMS OR LANDSCAPED AREAS ARE IN PROPER REPAIR AND FUNCTION. AT THE COMPLETION OF THE CONSTRUCTION WORK THERE WILL BE ANOTHER MEETING AND INSPECTION ON SITE. THE SAME AREAS AND SYSTEMS WILL AGAIN BE REVIEWED. ANY DAMAGE TO THE LANDSCAPING OR TO THE IRRIGATION SYSTEM WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR OR UTILITY COMPANY AND MUST BE REPAIRED TO THE SATISFACTION OF THE CITY WITHIN FIVE (5) WORKING DAYS. IF THIS WORK IS NOT COMPLETED WITHIN THE ALLOTTED TIME, THE CITY WILL MAKE THE REPAIRS OR CORRECTIONS AND MONEY WILL BE DEDUCTED OR BILLED TO THE GENERAL CONTRACTOR ON THE PROJECT. THE INDIVIDUALS WHICH SHOULD BE REPRESENTED AT THESE ON-SITE MEETINGS SHALL BE: A REPRESENTATIVE FROM THE CONTRACTOR, A REPRESENTATIVE FROM THE CITY RESPONSIBLE FOR THE CONSTRUCTION INSPECTION, A REPRESENTATIVE FROM THE CITY ENGINEER'S OFFICE, AND A REPRESENTATIVE FROM THE DESIGN TEAM.
- 3. SEE DEMOLITION PLANS FOR REMOVALS AND PROTECTED IN PLACE PLANT MATERIALS. SEE SHEETS CV-201 & CV-202.

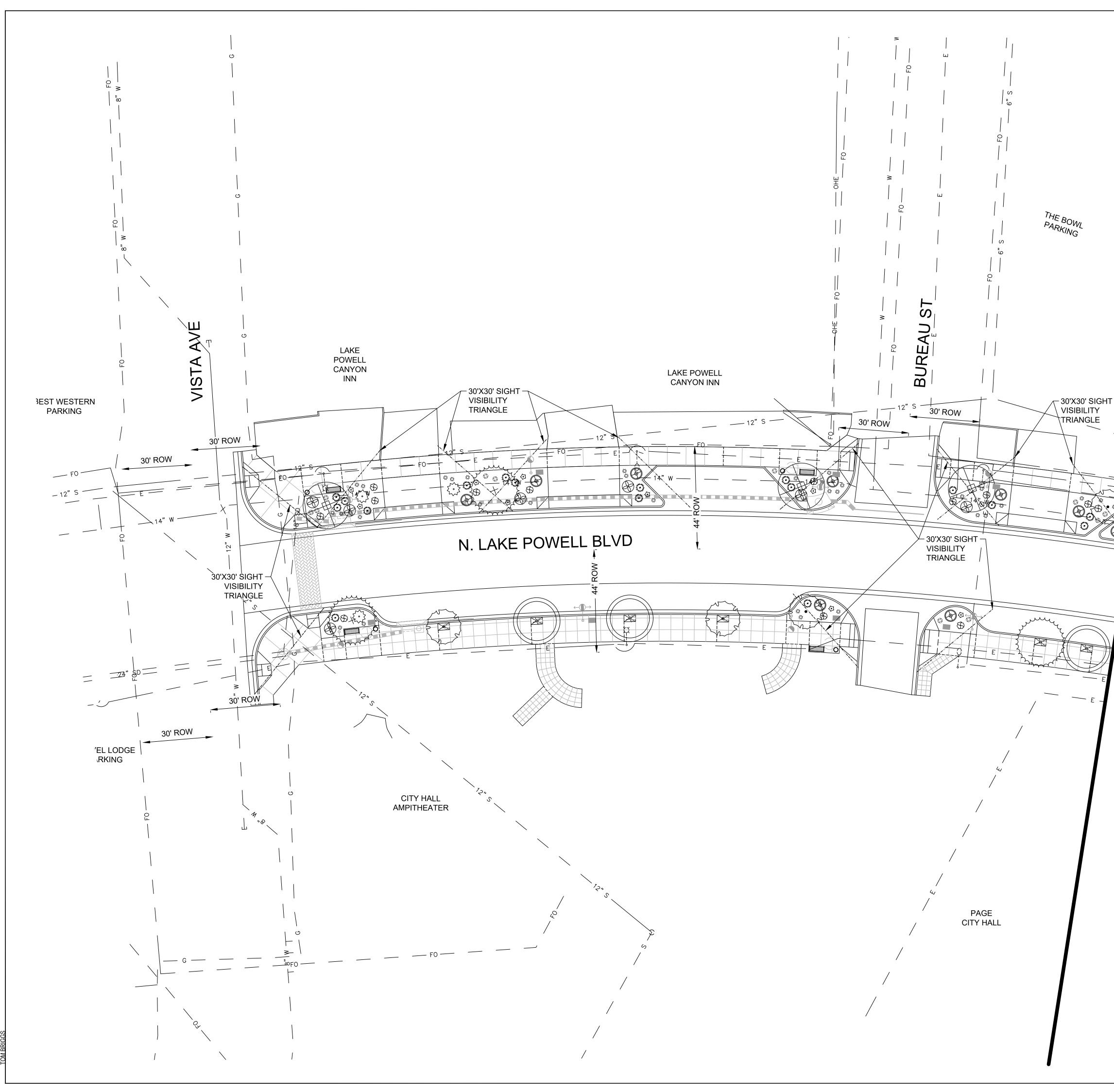




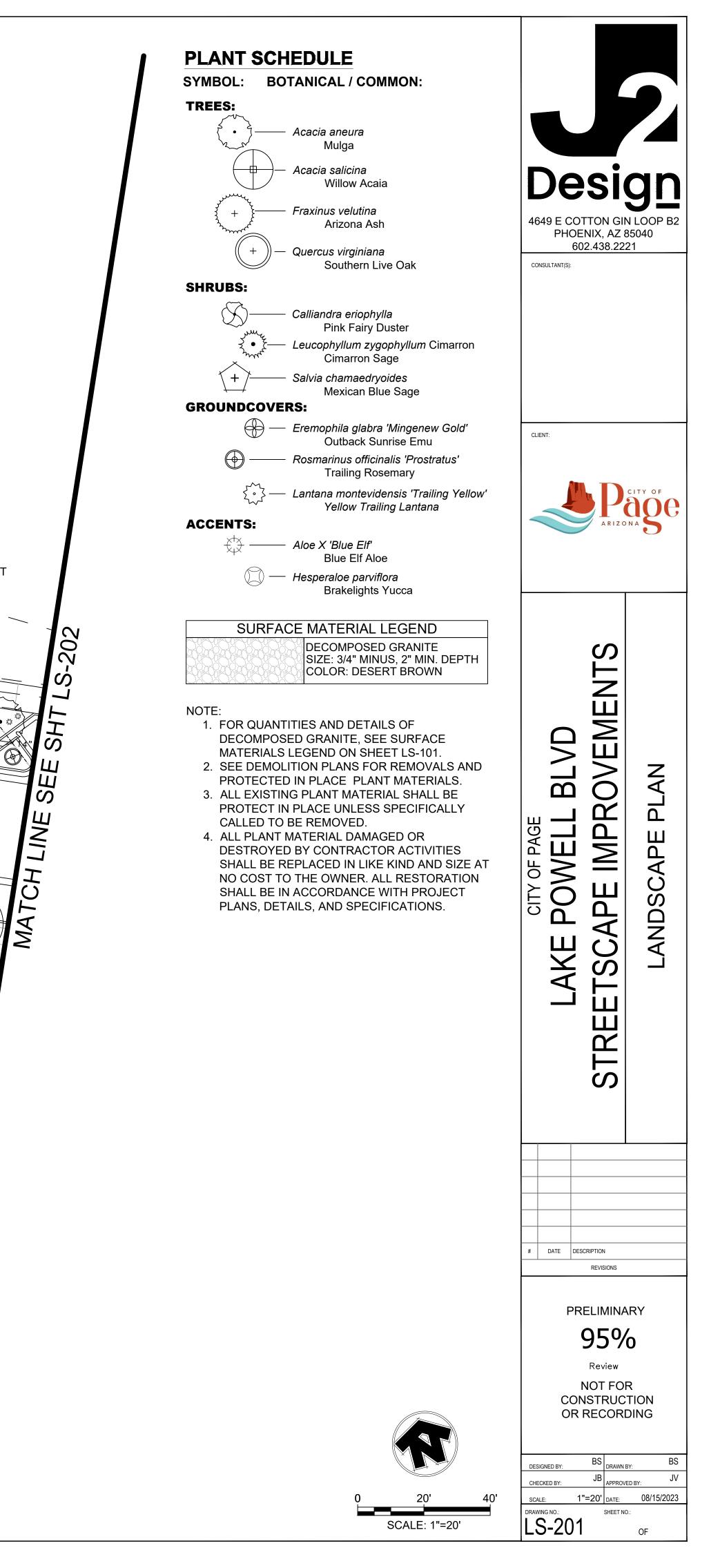
SURFACE MATERIAL LEGEND										
SYMBOL	DESCRIPTION	DETAIL	QUANTITY							
	DECOMPOSED GRANITE SIZE: 3/4" MINUS, 2" MIN. DEPTH COLOR: DESERT BROWN	SEE DTL. 3, SHT. LS-401	9,840 SF							
NOTE: 1. SEE DEMOLI	TION PLANS FOR REMOVALS AN	D PROTECTED IN PLACE	PLANT MATERIALS.							

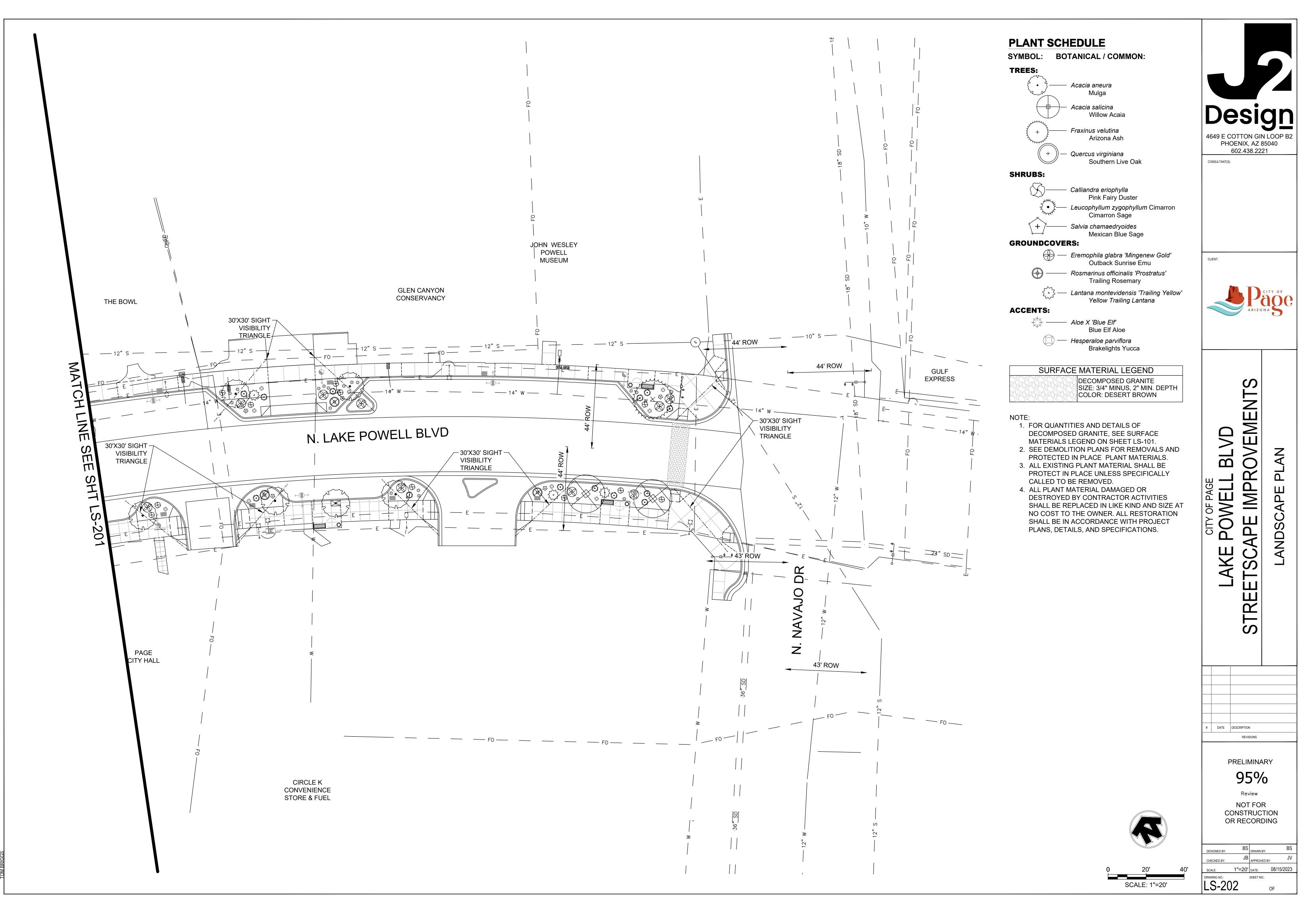
PLANT SCHEDULE SYMBOL: BOTANICAL / COMMON:	<u>QTYS:</u>	<u>SIZE:</u>
ج محمد Acacia aneura سيري Mulga	10	24" BOX
۲۰۰۲ + ۲۰۰۶ - Acacia salicina کمپیرد Willow Acaia	5	24" BOX
Fraxinus velutina Arizona Ash	4	24" BOX
۲٫٫٫٫٫٫٫٫٫٫٫٫٫٫٫٫٫٫٫ ۲٫٫٫٫٫٫ + ↓ E— <i>Quercus virginiana</i> ۲٫٫٫٫٫٫٫٫٫٫٫٫٫٫٫٫٫٫٫٫ Southern Live Oak	3	24" BOX
SHRUBS:		
Calliandra eriophylla Pink Fairy Duster	24	5 GAL.
Leucophyllum zygophyllum Cimarron	30	5 GAL.
Salvia chamaedryoides Mexican Blue Sage	15	5 GAL.
GROUNDCOVERS:		
Eremophila glabra 'Mingenew Gold' Outback Sunrise Emu	16	1 GAL.
Rosmarinus officinalis 'Prostratus' Trailing Rosemary	12	1 GAL.
— Lantana montevidensis 'Trailing Yellow' Yellow Trailing Lantana	6	1 GAL.
ACCENTS:		
Aloe X 'Blue Elf' Blue Elf Aloe	51	5 GAL.
<i>Hesperaloe parviflora</i> Brakelights Yucca	20	5 GAL.

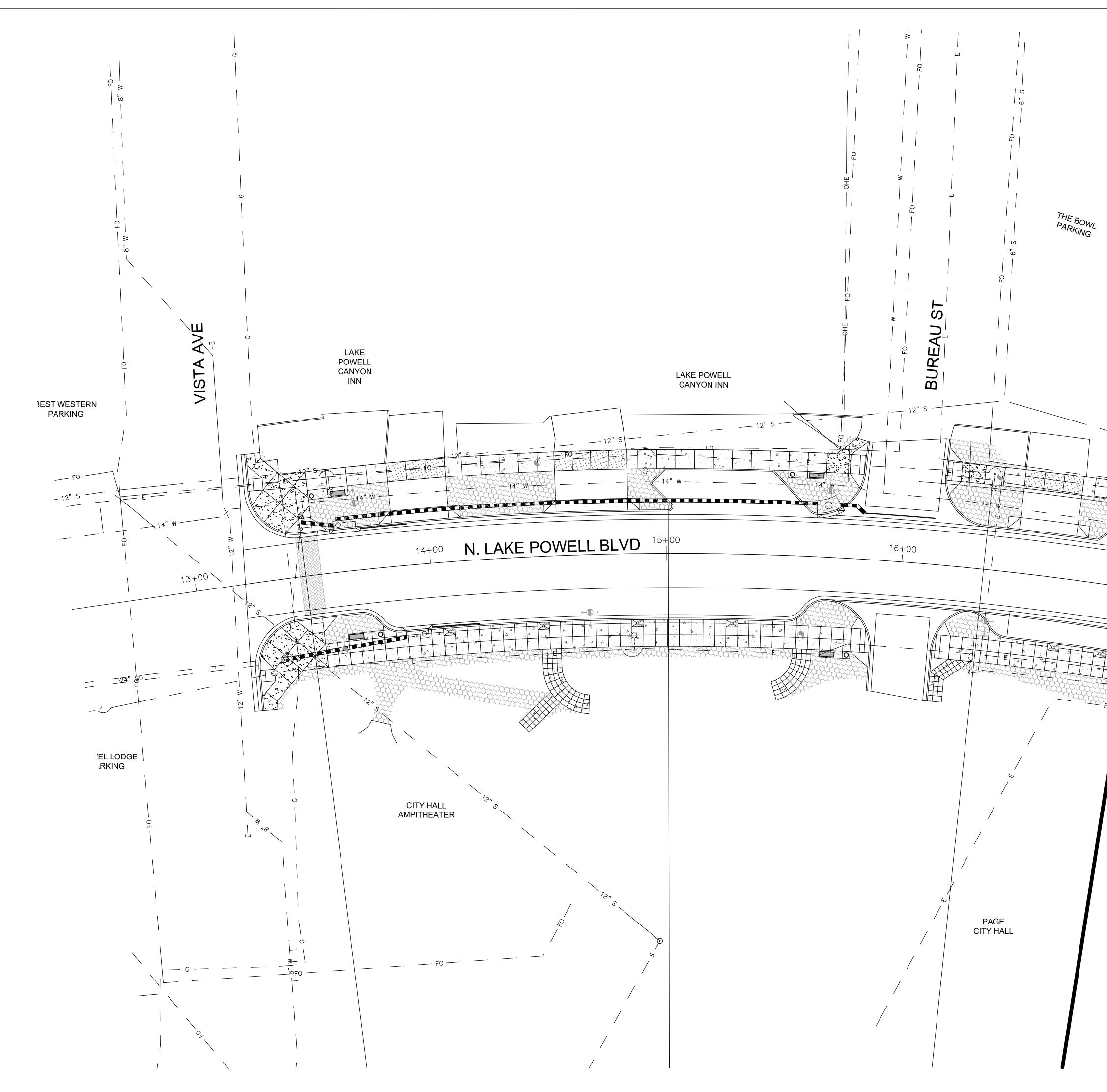




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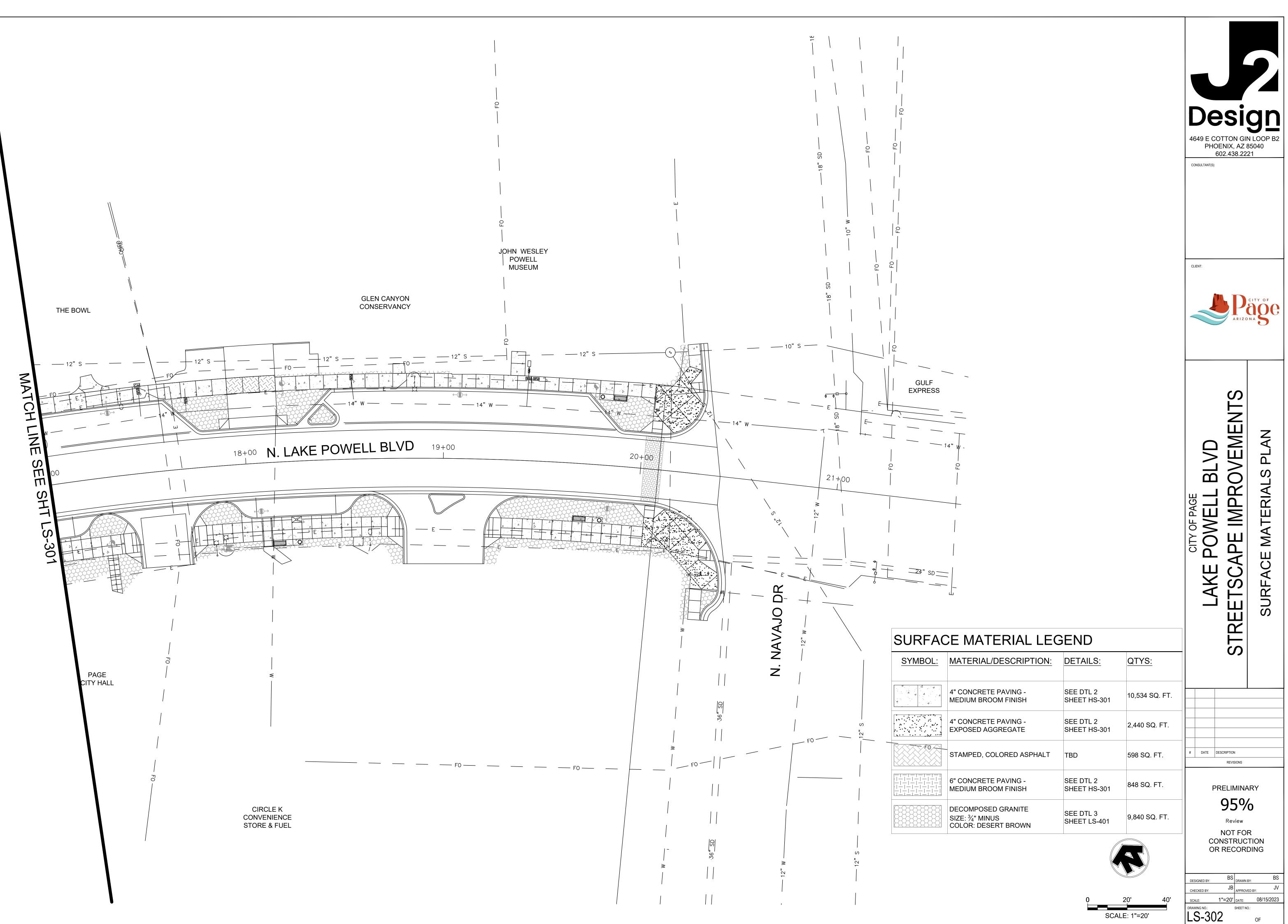


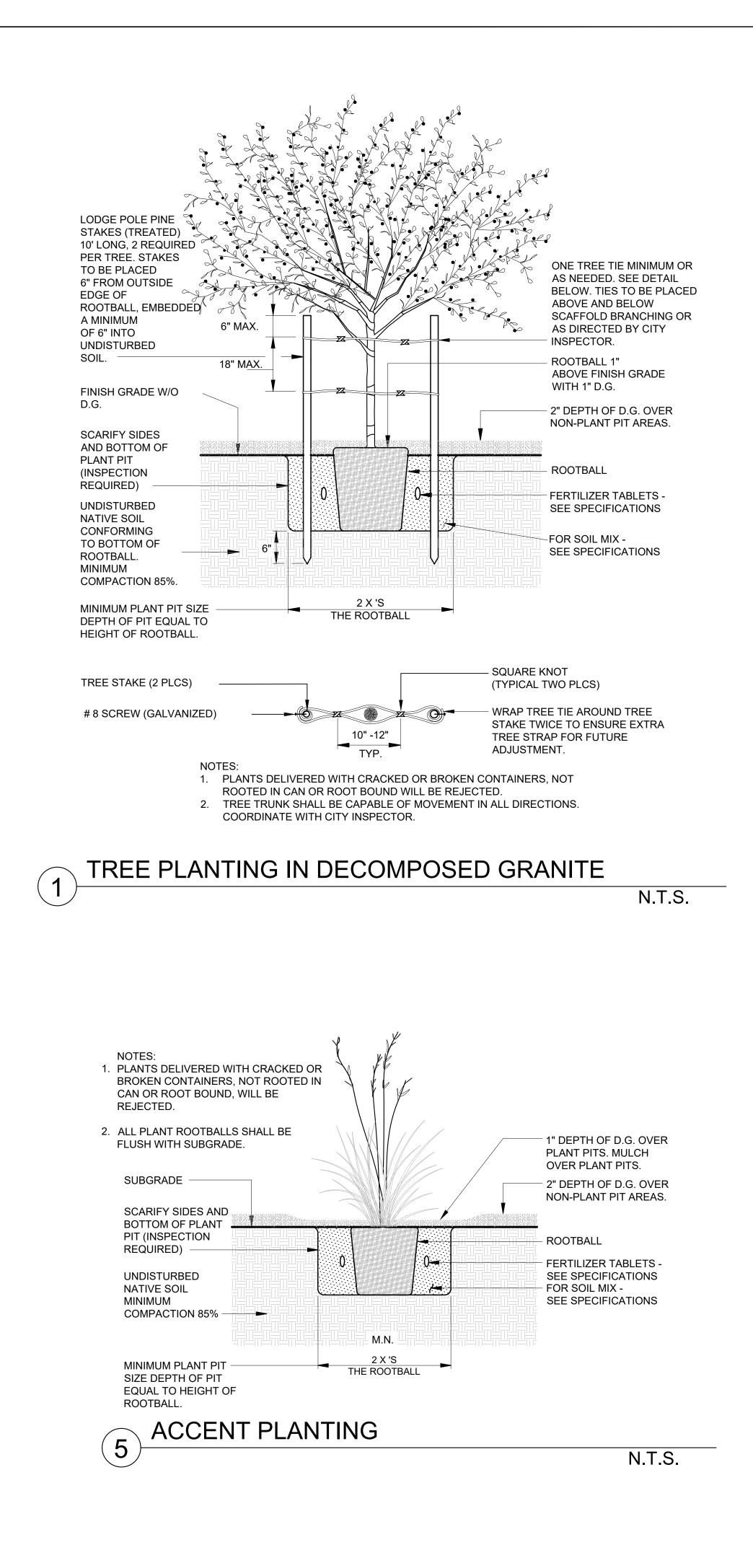




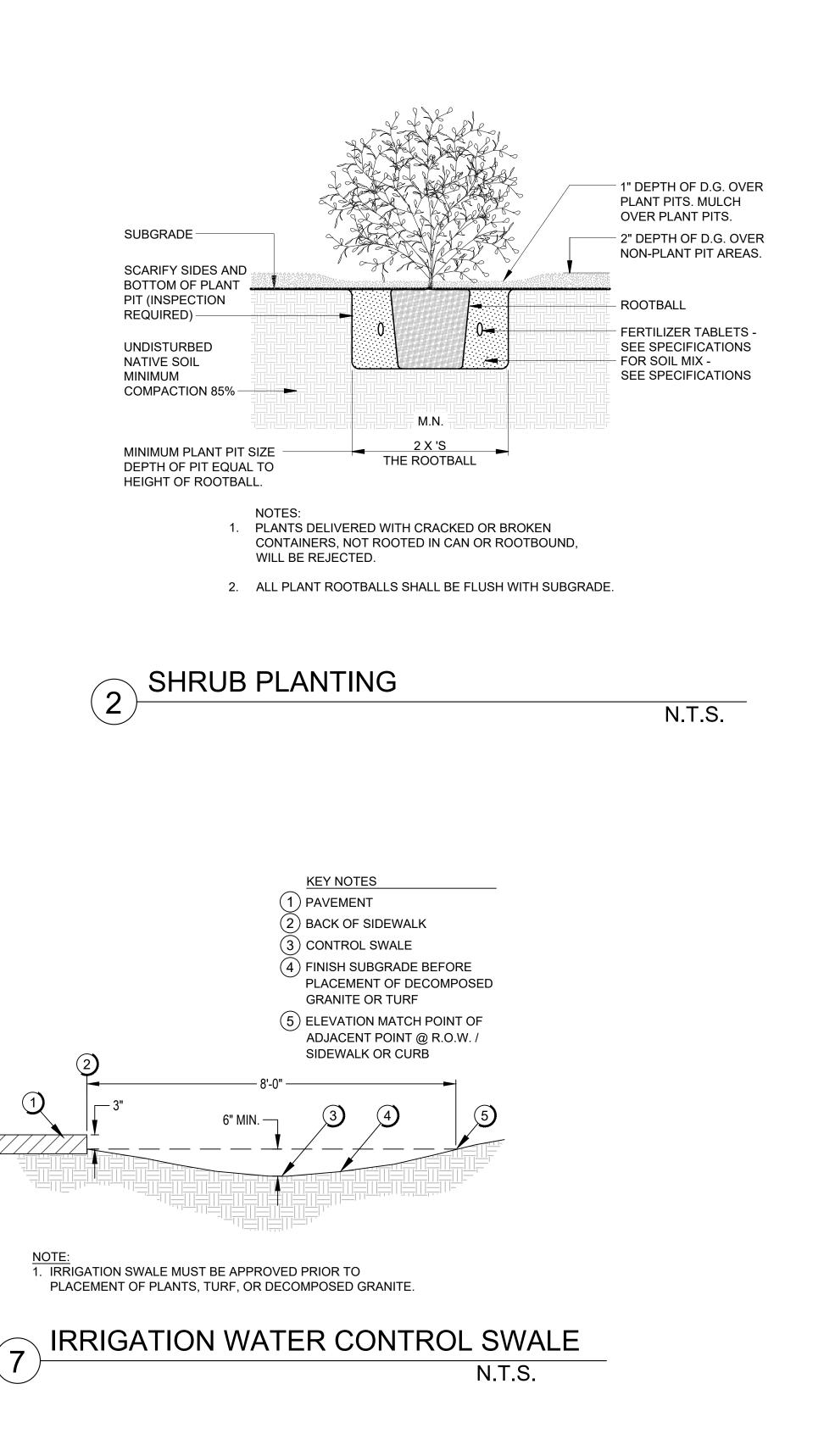
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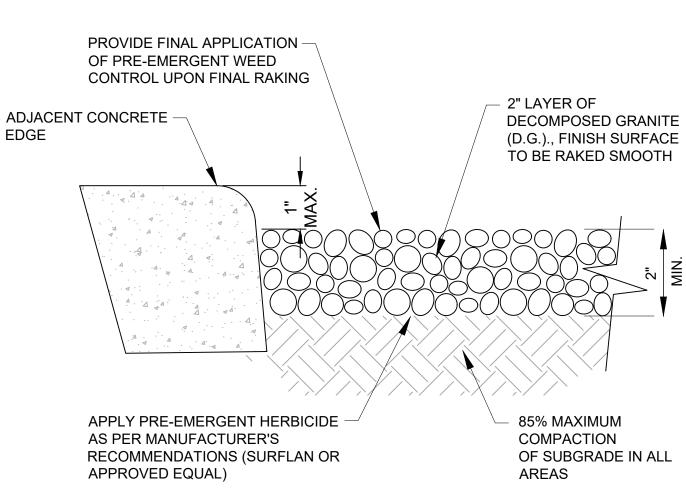
				Josef Strategy Strate
				CLENT:
TOPSILIS UNITARIA SURFACE	CE MATERIAL LEC	DETAILS:	<u>QTYS:</u>	CITY OF PAGE LAKE POWELL BLVD STREETSCAPE IMPROVEMENTS SURFACE MATERIALS PLAN
	4" CONCRETE PAVING - MEDIUM BROOM FINISH	SEE DTL 2 SHEET HS-301	10,534 SQ. FT.	
	4" CONCRETE PAVING - EXPOSED AGGREGATE	SEE DTL 2 SHEET HS-301	2,440 SQ. FT.	
	STAMPED, COLORED ASPHALT	TBD	598 SQ. FT.	# DATE DESCRIPTION REVISIONS
	6" CONCRETE PAVING - MEDIUM BROOM FINISH	SEE DTL 2 SHEET HS-301	848 SQ. FT.	PRELIMINARY
	DECOMPOSED GRANITE SIZE: ¾" MINUS COLOR: DESERT BROWN	SEE DTL 3 SHEET LS-401	9,840 SQ. FT.	Review NOT FOR CONSTRUCTION
			20' 40' ALE: 1"=20'	OR RECORDING





EDGE





NOTES:

1. DECOMPOSED GRANITE - SEE SHEET HS-301 FOR COLOR & SIZE. CONTRACTOR SHALL PROVIDE SAMPLES FOR APPROVAL BY CITY REPRESENTATIVE AND LANDSCAPE ARCHITECT PRIOR TO ORDERING AND INSTALLATION.

2. ALL D.G. SLOPES IN EXCESS OF 6:1 SHALL BE COMPACTED BY WATER & ROLLING.

3. PRE-EMERGENT HERBICIDE SHALL BE PLACE A MINIMUM OF THREE (3) TIMES. APPLY PRE-EMERGENT HERBICIDE PRIOR TO INSTALLING D.G., AFTER FINAL RAKING, AND 30 DAYS PRIOR TO THE END OF THE MAINTENANCE PERIOD. REFER TO PROJECT SPECIFICATIONS.

GRA	GRADATION REQUIREMENTS - 1/2" SCREENED								
PASSING SIEVE	% PASSING	PASSING SIEVE	% PASSING						
2"	100	#8	32-36						
1 1/2"	100	#10	29-33						
1 1/4"	98-100	#16	21-25						
1"	95-100	#30	13-17						
3/4"	85-89	#40	10-14						
1/2"	71-75	#50	8-12						
3/8"	63-67	#100	4-8						
1/4"	52-56	#200	2-6						
#4	46-50								

3 DECOMPOSED GRANITE DETAIL N.T.S.

4649 E COTTON GIN LOOP B2 PHOENIX, AZ 85040 602.438.2221 CONSULTANT(S): CLIENT: S Z Ш E S AIL Ш O \sim CITY OF PAGE MPR Ш Ш SCAPI APE AND К Ш SC 1 STR DATE DESCRIPTION REVISIONS PRELIMINARY 95% Review NOT FOR CONSTRUCTION OR RECORDING 1"=20' DATE: 08/15/2023 SHEET NO .: DRAWING NO .: LS-401

OF

IRRIGATION CONTRACTOR NOTES:

- PRIOR TO ANY LANDSCAPE OR IRRIGATION CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR SHALL NOTIFY THE CITY'S CONSTRUCTION COORDINATOR AT LEAST 48 HOURS IN ADVANCE OF INSTALLATION OF WORK
- 2. PRIOR TO ANY CONSTRUCTION OR UTILITY WORK STARTING WITHIN A CITY RIGHT-OF-WAY, WHICH MAY AFFECT EXISTING CITY OWNED AND MAINTAINED LANDSCAPING OR IRRIGATION SYSTEMS, THERE WILL BE A MEETING ON SITE TO SHOW THAT THE EXISTING SYSTEMS OR LANDSCAPED AREAS ARE IN PROPER REPAIR AND FUNCTIONING. AT THE COMPLETION OF THE CONSTRUCTION WORK THERE WILL BE ANOTHER MEETING AND INSPECTION ON SITE. THE SAME AREAS AND SYSTEMS WILL AGAIN BE REVIEWED. ANY DAMAGE TO THE LANDSCAPING OR TO THE IRRIGATION SYSTEM WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND MUST BE REPAIRED TO THE SATISFACTION OF THE CITY WITHIN FIVE (5) WORKING DAYS. IF THIS WORK IS NOT COMPLETED WITHIN THE ALLOTTED TIME, THE CITY WILL MAKE THE REPAIRS OR CORRECTIONS AND MONEY WILL BE DEDUCTED OR BILLED TO THE GENERAL CONTRACTOR ON THE PROJECT. THE INDIVIDUALS WHICH SHOULD BE REPRESENTED AT THESE ON-SITE MEETINGS SHALL BE: A REPRESENTATIVE FROM THE CONTRACTOR AND A REPRESENTATIVE FROM THE ENGINEERING FIRM AND/OR CITY RESPONSIBLE FOR THE CONSTRUCTION INSPECTION.
- 3. PRIOR TO ANY WORK, THE CONTRACTOR SHALL PERFORM A SURVEY TO ESTABLISH THE WORK LIMITS.
- 4. PRIOR TO COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL CONTACT ARIZONA 811 BLUE STAKE (1-800-782-5348) TO VERIFY LOCATIONS AND DEPTHS OF UNDERGROUND UTILITIES THAT MAY BE AFFECTED BY THIS WORK AND SHALL BE RESPONSIBLE FOR DAMAGES TO SUCH UTILITIES CAUSED AS A RESULT OF THE WORK.
- CONTRACTOR SHALL READ THOROUGHLY AND BECOME FAMILIAR WITH THE PLANS, INSTALLATION DETAILS, PROJECT SPECIFICATIONS, AND ANY APPLICABLE CITY STANDARD DETAILS & SPECIFICATIONS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMITS REQUIRED TO COMPLETE THE WORK COVERED BY THESE PLANS.
- 7. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS, CODES AND REGULATIONS APPLICABLE TO THE WORK COVERED BY THESE PLANS.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM DAMAGE THROUGHOUT CONSTRUCTION.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS. METHODS, COORDINATION, AND SEQUENCING DURING CONSTRUCTION UNLESS SPECIFICALLY ADDRESSED OTHERWISE IN THESE PLANS AND SPECIFICATIONS.
- 10. ONCE CONSTRUCTION OPERATIONS HAVE COMMENCED, IT IS THE INTENTION OF THIS PROJECT THAT THE JOB SITE BE FULLY MANNED / STAFFED UNTIL THE COMPLETION OF THE WORK WITHOUT GAPS IN PROGRESS
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPENSATING THE OWNER FOR ANY DESIGN CHANGES MADE AS RESULT OF DEVIATION BY THE CONTRACTOR FROM THESE PLANS AND SPECIFICATIONS OR DUE TO ERRORS FAULTY MATERIAL, OR FAULTY WORKMANSHIP.
- 12. THE CONTRACTOR SHALL VERIFY AND ACCEPT ALL SITE CONDITIONS AND ROUGH GRADES PRIOR TO STARTING ANY WORK. ALL DRAINAGE FLOWS SHALL BE PROTECTED AND MAINTAINED THROUGHOUT CONSTRUCTION UNLESS PLANS SPECIFICALLY NOTE OTHERWISE.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL DURING CONSTRUCTION AND SHALL ACQUIRE A DUST CONTROL PERMIT FROM THE COUNTY. ALL COSTS ASSOCIATED WITH DUST CONTROL AND PERMITS IS CONSIDERED INCIDENTAL TO THE PROJECT.
- 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF STATE, COUNTY, 10. THE PLANS INDICATE A DETAILED LAYOUT OF IRRIGATION MAINLINE PIPES, AND CITY SALES TAXES.
- 15. THE CONTRACTOR AGREES TO INDEMNIFY AND HOLD HARMLESS THE CITY, ITS OFFICERS, AGENTS AND EMPLOYEES, AND ANY JURISDICTION OR AGENCY ISSUING PERMITS FOR ANY WORK INCLUDED IN THE PROJECT FROM ALL SUITS, INCLUDING ATTORNEY'S FEES AND COST OF LITIGATION, ACTIONS, LOSS DAMAGE, EXPENSE, COST OR CLAIMS OF ANY CHARACTER OR NATURE ARISING OUT OF THE WORK DONE IN FULFILLMENT OF THE TERMS OF THESE PLANS OR SPECIFICATIONS, OR FROM ANY CLAIM OR ACT UNDER THE WORKMAN'S COMPENSATION LAW, OR ARISING OUT OF THE CONTRACTOR TO CONFORM TO ANY SUITS, REGULATION, LAW OR COURT DECREE.
- 16. CONTRACTOR SHALL VERIFY SITE INSTALLATION CONDITIONS PRIOR TO START OF CONSTRUCTION AND NOTIFY OWNER OR OWNER'S REPRESENTATIVE IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES ARE FOUND BETWEEN PROPOSED PLANS AND SITE CONDITIONS THAT WILL OBSTRUCT OR DELAY CONSTRUCTION ACTIVITIES THAT ARE NOT ALREADY KNOWN

GENERAL IRRIGATION NOTES:

CONTRACTOR'S WARRANTY PERIOD OF IRRIGATION SYSTEM PRODUCTS AND INSTALLATION INCLUDING LABOR SHALL BE 1 YEAR (365 DAYS) DURATION BEGINNING ONCE FINAL COMPLETION ACCEPTANCE IS GRANTED BY OWNER. FINAL COMPLETION ACCEPTANCE IS TYPICALLY GRANTED AT THE END OF THE CONTRACTOR'S DEFINED MAINTENANCE PERIOD, HOWEVER A FINAL COMPLETION PUNCH WALK SHALL BE PERFORMED AND CONTRACTOR SHALL ADDRESS ANY DEFICIENCIES IDENTIFIED BY THE FINAL PUNCH WALK REPORT PRIOR TO FINAL ACCEPTANCE BEING GRANTED. THIS ACCEPTANCE IS ONLY GRANTED BY THE OWNER AND SHOULD BE OBTAINED BY CONTRACTOR IN WRITING / EMAIL. UPON FINAL ACCEPTANCE THE MAINTENANCE RESPONSIBILITY SHALL TRANSITION FROM CONTRACTOR TO OWNER.

3. ALL MATERIALS UTILIZED ON THIS PROJECT ARE INTENDED TO BE NEW AND OF THE BEST GRADE AVAILABLE. NO USED, SALVAGED, RECLAIMED, OR SECONDS WILL BE ACCEPTED UNLESS PLANS SPECIFICALLY STATE OTHERWISE.

6. ALL ITEMS SHALL BE BID AS NOTED. AFTER BID IS AWARDED CONTRACTOR MAY PROPOSE PRODUCT SUBSTITUTIONS OF EQUAL OR BETTER PRODUCTS TO THAT SPECIFIED IN PLANS DURING THE PRODUCT SUBMITTAL PROCESS AS OUTLINED PER THE PROJECT SPECIFICATIONS DURING THIS PROCESS ALL PROPOSED PRODUCTS TO BE INSTALLED SHALL BE SUBMITTED BY CONTRACTOR TO OWNER AND / OR OWNER'S REPRESENTATIVE FOR REVIEW AND THEY SHALL EITHER APPROVE OR DENY USE OF SUBMITTED PRODUCTS. ONCE THIS PROCESS IS COMPLETED NO FURTHER SUBSTITUTIONS WILL BE ALLOWED UNLESS PRIOR APPROVAL IS OBTAINED IN WRITING FROM OWNER OR OWNER'S REPRESENTATIVE.

ONLY APPROVED PRODUCTS THROUGH THE PRODUCT SUBMITTAL PROCESS ARE PERMITTED TO BE INSTALLED. ANY UNAPPROVED PRODUCTS FOUND INSTALLED SHALL BE SUBJECT TO REVIEW BY OWNER AND POTENTIALLY TO BE REMOVED AND REPLACED WITH APPROVED ITEM AT NO ADDITIONAL EXPENSE TO OWNER BEYOND THE COST OF APPROVED ITEM AND INSTALLATION OF THAT ITEM ONLY.

8. ALL CONTROL WIRES SHALL BE SLEEVED SEPARATELY IN UL APPROVED SCH 40 PVC ELECTRICAL CONDUIT SIZED AS NOTED PER PLANS IN SAME TRENCH AS MAINLINE PIPE LOCATED HORIZONTAL TO AND BELOW TOP OF 20. HAND DIG ANY EXCAVATIONS WITHIN 2'-0" OF ALL ELECTRICAL OR MAINLINE PIPE PER TRENCHING DETAIL. IF CONTROL WIRES MUST BE INSTALLED WITHOUT MAINLINE OR OTHER PIPES. THEN WIRES SHALL BE INSTALLED IN CONTINUOUS CONDUIT AT MINIMUM OF 18" DEPTH FOR LENGTH OF TRENCH UNTIL REACHING JOINT TRENCH LOCATION WITH PIPES AND AN APPROVED WARNING TAPE 2" MINIMUM WIDTH SHALL BE **INSTALLED AT 6" ABOVE CONDUIT**

9. ALL MAINLINE PIPES SHALL BE INSTALLED AT DEPTHS AS NOTED PER TRENCHING DETAIL (18" MINIMUM DEPTH) AND SHALL HAVE AN APPROVED WARNING TAPE 3" MINIMUM WIDTH INSTALLED AT 6" ABOVE MAINLINE PIPE OR 6" ABOVE HIGHEST PIPE INSTALLED WITHIN SAME TRENCH AS MAINLINE PIPE.

LATERAL PIPES, AND EQUIPMENT LOCATIONS; PIPES INTENDED TO BE IN JOINT TRENCH ARE TYPICALLY SHOWN PARALLEL AND EVENLY SPACED TOGETHER. DUE TO GRAPHICAL CLARITY, SOMETIMES LINES REPRESENTING PIPES OR SLEEVES AND SOMETIMES EQUIPMENT SYMBOLS MAY BE SHOWN DIAGRAMMATICALLY BEYOND THE LIMITS OF PLANTING AREAS. THE CONTRACTOR SHALL FOLLOW THE INTENT OF THE PLAN LAYOUT AND SHALL CONTACT DESIGNER FOR CLARIFICATION IF INTENT IS NOT CLEAR.

11. CONTRACTOR MUST OBTAIN WRITTEN APPROVAL FROM THE OWNER OR OWNER'S REPRESENTATIVE FOR ANY CHANGES TO LAYOUT AS SHOWN PER PLANS AND SHALL CLEARLY DOCUMENT ANY SUCH CHANGES FOR USE WITH RECORD DRAWINGS (AS-BUILTS)

12. CONTRACTOR SHALL VERIFY PRESSURE AT IRRIGATION SYSTEM POINT OF CONNECTION PRIOR TO INITIATING ANY WORK. STATIC PRESSURE (TAKEN WHEN WATER IS AT REST) MUST BE 60 PSI MINIMUM FOR SYSTEM TO OPERATE PROPERLY AS DESIGNED. NOTIFY IRRIGATION DESIGNER PRIOR TO COMMENCING WITH CONSTRUCTION IF PRESSURE IS FOUND TO BE LESS.

CONTRACTOR'S MAINTENANCE PERIOD OF IRRIGATION SYSTEM SHALL BE 90 DAYS DURATION BEGINNING ONCE SUBSTANTIAL COMPLETION ACCEPTANCE IS GRANTED BY OWNER. SUBSTANTIAL COMPLETION ACCEPTANCE IS TYPICALLY GRANTED AFTER THE INITIAL PUNCH WALK IS PERFORMED AND AFTER CONTRACTOR ADDRESSES ANY DEFICIENCIES IDENTIFIED BY THE SUBSTANTIAL PUNCH WALK REPORT. THIS ACCEPTANCE IS ONLY GRANTED BY THE OWNER AND SHOULD BE **OBTAINED BY CONTRACTOR IN WRITING / EMAIL**

ANY QUANTITIES PROVIDED WITHIN THESE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES AND SITE CONDITIONS PRIOR TO BIDDING THE WORK.

ALL IRRIGATION EQUIPMENT TO BE INSTALLED PER IRRIGATION DETAILS. PROJECT SPECIFICATIONS, AND PER MANUFACTURER'S SPECIFICATIONS

- 13. ADJUST IRRIGATION OPERATING TIMES TO ACCOMMODATE FOR PLANT MATURITY, SOIL TYPE, PLANT EXPOSURE, SLOPE CONDITIONS, AND SEASONAL REQUIREMENTS.
- 14. ALL CONTROL VALVE & PIPE SIZES SHALL BE INSTALLED AS NOTED PER 3. INSTALL EMITTERS PER PLAN DETAILS. PLANS. ANY DEVIATIONS TO INSTALLED PIPE SIZES MUST BE APPROVED IN WRITING BY OWNER OR OWNER'S REPRESENTATIVE PRIOR TO 4. USE RIGID 3/4" SCH 40 PVC AS DRIP LATERAL PIPES UNLESS INSTALLATION OF SUCH PIPE OR EQUIPMENT. ALL PVC PIPES WERE SPECIFICALLY NOTED OTHERWISE IN PLANS. USE SCHEDULE 40 PVC DESIGNED TO FLOW AT A MAXIMUM VELOCITY OF 5.0 FPS AND ALL FITTINGS ONLY FOR ALL PVC LATERAL PIPE FITTINGS. COPPER PIPES AT A MAXIMUM VELOCITY OF 7.5 FPS, HOWEVER MANY TIMES PIPES ARE PURPOSELY SIZED TO EXCEED THESE REQUIREMENTS CONTRACTOR MAY INSTALL RIGID 1/2" SCHEDULE 40 PVC EMITTER IN EFFORTS TO REDUCE FRICTION LOSS AND PRESSURE LOSS THROUGH LATERAL PIPES (NOT SHOWN IN PLANS) AS REQUIRED AT A MAXIMUM **IRRIGATION SYSTEM.** ACCUMULATIVE LENGTH OF 15'-0" FROM THE 3/4" DRIP LATERAL PIPES 15. ALL MASTER & CONTROL VALVES SHALL INCLUDE IDENTIFICATION TAGS (SHOWN IN PLANS) TO DESIRED MULTI-PORT EMITTER LOCATIONS.
- INSTALLED ON WIRES PRIOR TO INSTALLATION OF WIRE CONNECTORS . EMITTER TUBES (DISTRIBUTION TUBING) SHALL BE VINYL MATERIAL WITH CORRESPONDING INFORMATION AS IDENTIFIED PER PLANS CLEARLY PRINTED ON ONE SIDE ON TAG USING BLACK PERMANENT MARKER AT SIZED AS REQUIRED TO FIT THE APPROVED EMITTER TYPE AND EACH TUBE SHALL NOT EXCEED 10'-0" IN LENGTH. EMITTER TUBES SHALL BE MINIMUM OF 1" SIZE TEXT. WIRE TAGS SHALL BE STANDARD SIZE, BLANK BURIED A MINIMUM OF 2" BELOW FINISH GRADE OF SOIL (NOT FINISH BOTH SIDES, & YELLOW COLOR WHEN USED WITH POTABLE WATER GRADE OF DG) AND SHALL NOT BE INSTALLED WHERE TUBES ARE SYSTEMS OR SHALL BE MAXI SIZE, BLANK ONE SIDE WITH BILINGUAL PINCHED OR KINKED RESULTING IN RESTRICTED FLOW. ALL TUBES 'WARNING- DO NOT DRINK' PRINTED ON OPPOSITE SIDE BY SHALL BE INSTALLED WITH ENDS OF TUBES LOCATED PER MANUFACTURER, & PURPLE COLOR WHEN USED WITH ANY NON-POTABLE INSTALLATION DETAILS WITH ALL ENDS OF TUBES EXPOSED AND CUT AT WATER SYSTEM. 1" - 2" ABOVE THE FINISH GRADE OF SURFACE MATERIAL (DG, RIP-RAP,
- 16. PVC MAINLINE PIPES SIZED 3" AND LARGER SHALL USE EITHER BELL END OR TURF). GASKET PIPE CONNECTIONS AND / OR DUCTILE IRON FITTINGS WITH RESTRAINTS AND / OR THRUST BLOCKS AS NOTED PER PLANS INSTALLED INSTALL FLUSHING END CAPS AT ENDS OF DRIP LATERAL PIPES AS AT 24" MINIMUM DEPTH OR AS NOTED PER TRENCHING DETAIL. PVC SHOWN PER PLANS. INSTALL ALL FLUSHING END CAPS IN A MINIMUM 10" MAINLINE PIPES SIZED 2 1/2" AND SMALLER SHALL BE SOLVENT WELD DIA. CIRCULAR PURPLE VALVE BOX WITH T-STYLE BOLT DOWN COVERS. USING SCHEDULE 80 PVC FITTINGS INSTALLED AT 18" MINIMUM DEPTH OR A MAXIMUM OF TWO FLUSHING END CAPS MAY SHARE A SINGLE VALVE AS NOTED PER TRENCHING DETAIL. ALL LATERAL PVC PIPES SHALL BE BOX IF THEY ARE LOCATED WITHIN CLOSE PROXIMITY IN PLANS. SOLVENT WELD USING SCHEDULE 40 PVC FITTINGS INSTALLED AT 12" 8. INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS AND MINIMUM DEPTH OR AS NOTED PER TRENCHING DETAIL. ALL THREADED SPECIFICATIONS AND PROVIDE 100% WATER COVERAGE TO ALL PLANTS. PVC CONNECTIONS SHALL USE SCHEDULE 80 PVC FITTING WITH TEFLON SEALANT. ALL COPPER PIPE SHALL BE TYPE 'K' COPPER WITH LEAD-FREE WIRE PATH NOTES: SOLDERED WROUGHT FITTINGS. ALL PVC PIPE MATERIAL TYPES SHOULD BE AS IDENTIFIED PER PLANS.
- 17. PVC PIPE SLEEVES SHALL BE INSTALLED AT DEEPEST PIPE DEPTH OF PIPES INSTALLED WITHIN SLEEVE OR AT 36" MINIMUM COVER WHEN INSTALLED UNDER VEHICULAR DRIVING HARDSCAPE SURFACES.
- 18. ANY PVC ELECTRICAL CONDUITS CONTAINING LOW VOLTAGE CONTROL WIRES, 2-WIRE PATH CABLES, COMMUNICATION CABLES, OR GROUNDING WIRES SHALL BE INSTALLED WITHIN UL APPROVED PVC CONDUIT SIZED AS NOTED PER PLANS AND INSTALLED AT PIPE SLEEVE DEPTHS OR AT 20" MINIMUM COVER.
- 19. PVC SOLVENT CEMENT SHALL BE USED WITH PURPLE COLOR PRIMER PER 2. ALL COMMON AND SPARE WIRES SHALL BE #14 GAUGE SOLID WIRE. ALL MANUFACTURER'S SPECIFICATIONS. SPECIFIC SOLVENT AND PRIMER CONTROL WIRES SHALL BE #14 GAUGE SOLID WIRE. ALL WIRES SHALL PRODUCTS TO BE USED MUST BE SUBMITTED WITH PRODUCT SUBMITTAL BE INSTALLED WITHIN APPROVED CONTINUOUS GRAY COLOR PVC PROCESS AND CORRESPOND WITH PVC PIPE MATERIALS BEING USED. ELECTRICAL CONDUIT WHEN BELOW GRADE AND EMT CONDUIT WHEN ABOVE GRADE.
- IRRIGATION STRUCTURES.
- 3. ALL 24 VOLT CONTROL WIRE CONNECTIONS SHALL BE MADE WITH 3M 21. SEE PROJECT SPECIFICATIONS FOR FURTHER PRODUCT DESCRIPTIONS. #DBR/Y-6 GEL FILLED CONNECTOR SEALING PACKS OR APPROVED EQUAL PER IRRIGATION CONTROLLER MANUFACTURER'S 22. CONTRACTOR SHALL PROVIDE RECORD DRAWINGS (AS-BUILT PLANS) PER SPECIFICATIONS. PROJECT SPECIFICATIONS INCLUDING, BUT NOT LIMITED TO,
- DOCUMENTING ANY DEVIATIONS FROM PLANS AND PROVIDING DIMENSIONS TO LOCATE TRENCHES, SLEEVE ENDS, AND EQUIPMENT FROM FIXED LOCATIONS AS IDENTIFIABLE IN BOTH FIELD AND ON PLANS.

VALVE BOX NOTES:

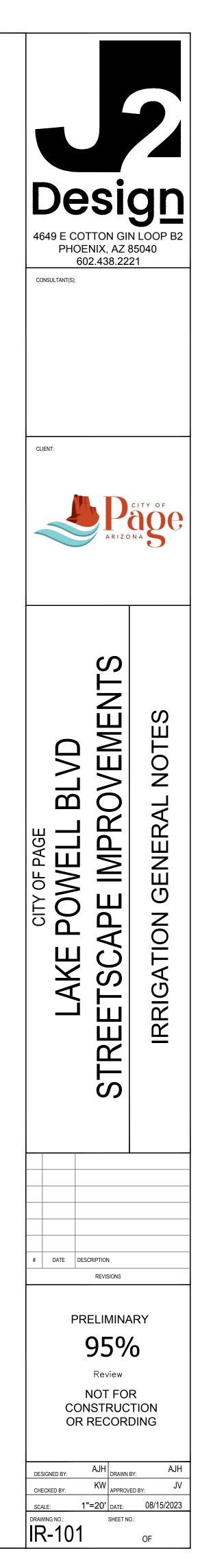
- 1. ALL VALVE BOX BODIES & COVERS TO BE INTEGRAL TAN COLOR WITH T-STYLE BOLT DOWN COVERS AND STAINLESS STEEL WASHER & BOLT.
- 2. EMBOSS VALVE BOX COVERS WITH 2" TALL STENCIL LETTERS/ NUMBERS PER THE VALVE BOX INSTALLATION DETAIL IN THIS SET.
- 3. ALL VALVE BOXES SHALL BE SIZED AS NOTED PER PLANS WITH BOLT DOWN T-STYLE COVERS (EXCEPT EMITTER BOXES). ALL BOLT DOWN HARDWARE SHALL BE STAINLESS STEEL. WHEN IRRIGATION SYSTEM UTILIZES POTABLE WATER ALL VALVE BOX BODIES & COVERS SHALL BE TAN COLOR WHEN LOCATED IN GRANITE OR GREEN COLOR WHEN LOCATED IN TURF. WHEN SYSTEM UTILIZES NON-POTABLE WATER ALL VALVE BOX BODIES & COVERS SHALL BE INTEGRAL PURPLE COLOR. ALL BOX COVERS (EXCEPT EMITTER BOXES) SHALL BE EMBOSSED WITH STENCIL LETTERS / NUMBERS TO DESIGNATE EQUIPMENT TYPE AS NOTED PER PLANS.

EMITTER NOTES:

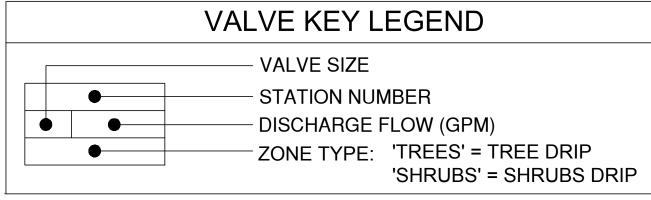
- 1. INSTALL MULTI-PORT EMITTERS WITH FLOWS AND QUANTITIES OF EMITTER TUBES TO EACH PLANT PER 'EMITTER SCHEDULE' ON IR-102.
- 2. INSTALL ALL EMITTER TUBES UP SLOPE FROM PLANT MATERIAL.

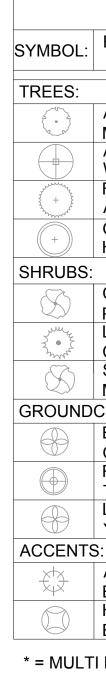
1. ALL CONVENTIONAL CONTROL WIRES SHALL BE TYPE UF & TWU IN ACCORDANCE TO NATIONAL ELECTRIC CODE FOR OPERATION AT A POTENTIAL OF 600 VOLTS OR LESS AND AT A TEMPERATURE OF 75°C OR LESS. LISTED BY UL, ETL, OR CSA. CONDUCTORS SHALL BE OF SOFT DRAWN BARE COPPER MEETING THE REQUIREMENTS OF ASTM SPECIFICATION B-3 OR B-8. TEMPERATURE RATING OF -10°C + 75°C. INSULATION SHALL BE POLYVINYL CHLORIDE RATED TO 75°C CONFORMING TO UL STANDARDS 493 AND 83. INSULATION SHALL BE MARKED WITH MANUFACTURER'S NAME, VOLTAGE RATING, SIZE AND TYPE, LISTING FILE NUMBERS, RoHS,

- 4. DIRECT BURY OF WIRE SPLICES IS NOT ACCEPTABLE. WIRE SPLICES SHALL ONLY OCCUR INSIDE VALVE BOXES AT VALVES AS SHOWN PER DETAILS AND INSIDE DEDICATED WIRE SPLICE BOXES WHERE WIRES TEE IN DIFFERENT DIRECTIONS AND WHERE WIRE RUNS EXCEED 2,500 LF. ALL WIRE ENDS INSIDE WIRE SPLICE BOXES SHALL BE LABELED WITH ASSOCIATED STATION NUMBERS.
- 5. CONTROL WIRES MUST MAINTAIN A MINIMUM OF 9'-0" HORIZONTAL CLEARANCE FROM ANY GROUNDING RODS / PLATES.



		DESCRIPTION	IRRIGATION LEGEND		-
ETAIL		DESCRIPTION POTABLE WATER	REMARKS	QUANTITIES	
-		METER BACKFLOW PREVENTOR	0.75" REDUCED PRESSURE ASSEMBLY BACKFLOW PREVENTOR PER CIVIL UTILITY PLANS. ENCLOSED IN AN INSULATED STRONGBOX #SBBC-22-ALI SECURITY CAGE.		
1	<u> </u>	IRRIGATION CONTROLLER	HUNTER XC HYBRID CONTROLLER #XCH-600-SSP WITH 6 STATIONS, SOLAR PANEL, AND STAINLESS STEEL ENCLOSURE; MOUNT CONTROLLER ON HUNTER 4'-0" HT. STAINLESS STEEL MOUNTING POLE #XCHSPOLE WITH STEEL MOUNTING BRACKET #XCHSPB; INCLUDE HUNTER MINI-CLIK RAIN/FREEZE SENSOR WITH STAINLESS STEEL SENSOR ENCLOSURE #SG-MC; ALL REMOTE CONTROL VALVES & MASTER VALVE MUST USE COMPATIBLE DC LATCHING SOLENOIDS AS NOTED PER DESCRIPTIONS BELOW; INSTALL PER MANUFACTURER SPECIFICATIONS.	1 EA	Des
4	NOT SHOWN	CONVENTIONAL CONTROL WIRE	CONTROL WIRES SHALL BE PAIGE #P7001D OR APPROVED EQUAL #14 AWG SOLID CORE UNDERGROUND FEEDER TYPE UF & TWU WIRES; REMOTE CONTROL VALVE CONTROL WIRE (HOT) = RED COLOR, COMMON (NEUTRAL) = WHITE COLOR, SPARE = GREEN COLOR; PROVIDE ONE (1) <u>CONTINUOUS</u> SPARE WIRE FROM CONTROLLER IN EACH DIRECTION LOOPING IN AND OUT OF EACH REMOTE CONTROL VALVE BOX UNTIL TERMINATING AT FURTHEST REMOTE CONTROL VALVES (DO <u>NOT</u> CUT SPARE WIRES IN EACH BOX); ALL WIRES INSIDE VALVE BOXES SHALL HAVE 3' OF COILED WIRE LENGTH. ALL WIRE CONNECTORS SHALL BE 3M #DBRY-6 WATERPROOF WIRE CONNECTORS RATED AT 600V OR APPROVED EQUAL; ALL WIRE SPLICES SHALL OCCUR IN EQUIPMENT VALVE BOXES OR IN A WIRE SPLICE BOX: CARSON #910 10" ROUND TAN COLOR WITH BOLT DOWN T-COVER EMBOSSED WITH 2" STENCIL LETTERS "WS" PER VALVE BOX INSTALLATION DETAIL IN THIS SET.	COMMON: 100 LF CONTROL: 210 LF SPARE: 100 LF	- 4649 E COTTON PHOENIX, 602.43 CONSULTANT(S):
6 3.301		ISOLATION BALL VALVE ASSEMBLY	SPEARS COMPACT 2000 SCH. 80 PVC BALL VALVE RATED TO 150 PSI (SIZE BALL VALVE PER PIPE SIZE PIPE IT IS INSTALLED ON); INSTALL IN CARSON #1220 JUMBO TAN COLOR VALVE BOX WITH BOLT DOWN T-COVER EMBOSSED WITH 2" STENCIL LETTERS "BV" PER VALVE BOX INSTALLATION DETAIL IN THIS SET	1.0" = 2 EA	
5 R.301		DRIP REMOTE CONTROL VALVE ASSEMBLY	1" HUNTER DRIP CONTROL ZONE KIT #ICZ-101-LF-40 GLASS-FILLED NYLON GLOBE STYLE BODY REMOTE CONTROL VALVE WITH FLOW CONTROL, LOW FLOW DESIGN (0.5 - 15.0 GPM), 150 MESH WYE FILTER, 40 PSI PRESSURE REGULATOR, AND 1" INLET WITH 0.75" OUTLET; INCLUDE HUNTER DC LATCHING SOLENOID #458200; 1" SPEARS COMPACT 2000 SCH 80 PVC BALL VALVE RATED TO 150 PSI; CHRISTY'S STANDARD YELLOW ID TAG WITH 'CONTROLLER LETTERS-STATION NO. (PER VALVE TAGS AS SHOWN IN PLANS) <u>CLEARLY</u> WRITTEN OR PRINTED ON ONE SIDE OF TAG AND INSTALLED ON CONTROL WIRE; IN CARSON #1220 JUMBO TAN VALVE BOX WITH BOLT DOWN T-STYLE COVER EMBOSSED WITH 2" STENCIL LETTERS / NUMBERS OF CONTROLLER LETTER & STATION # TO MATCH WIRE ID TAG PER VALVE BOX INSTALLATION DETAIL IN THIS SET.	4 EA	CLIENT:
4		QUICK COUPLER VALVE ASSEMBLY	1" HUNTER #HQ-44RC TWO-PIECE BRASS BODY WITH YELLOW COLOR RUBBER COVER; HUNTER #HSJ-1-3-S-2-12 PVC SNAPLOK COMBO KIT SWING JOINT WITH 1" MPT INLET, 1" MALE BRASS NPT SNAPLOK, SINGLE-TOP OUTLET, & 12" LAY LENGTH; #4 GALVANIZED REBAR STAKE WITH TWO STAINLESS STEEL HOSE CLAMPS; INSTALL IN CARSON #910 10" ROUND TAN COLOR VALVE BOX WITH BOLT DOWN T-COVER EMBOSSED WITH 2" STENCIL LETTERS "QC" PER VALVE BOX INSTALLATION DETAIL IN THIS SET	2 EA	
2	•	DRIP LATERAL END CAP FLUSH VALVE ASSEMBLY	0.75" PVC FLEX PIPE RISER WITH TWO 0.75" SCH 40 PVC MALE ADAPTERS AND 0.75" SCH 40 PVC FEMALE HOSE THREAD CAP; INSTALL IN CARSON #910 ROUND 10" TAN VALVE BOX WITH BOLT DOWN T-COVER EMBOSSED WITH 2" STENCIL LETTERS "FC" PER VALVE BOX INSTALLATION DETAIL IN THIS SET (TWO END CAPS MAX. MAY BE INSTALLED WITHIN SAME VALVE BOX IF LOCATED IN SAME VICINITY)	4 EA	
1 R.302	NOT SHOWN	MULTI-OUTLET EMITTER ASSEMBLY	HUNTER MULTI-OUTLET EMITTERS #MPE-20 (RED) 2.0 GPH FOR ALL TREES, #MPE-10 (BLACK) 1.0 GPH FOR ALL SHRUBS & GROUND COVERS, & #MPE-05 (BLUE) 0.5 GPH FOR ALL CACTI - SEE 'EMITTER LEGEND' THIS SHEET FOR REQUIRED FLOWS TO EACH PLANT SPECIES; 1/2" PVC FLEX PIPE RISER WITH TWO 1/2" SCH 40 PVC MALE ADAPTERS; INSTALL IN NDS 6" ROUND TAN COLOR EMITTER BOX; EMITTER (DISTRIBUTION) TUBES SHALL BE VINYL MATERIAL SIZED TO FIT EMITTER	105 EA	
	Χ"	MAINLINE PIPE:	SCHEDULE 40 PVC PIPE WITH SCH 80 PVC SOLVENT WELD FITTINGS; ALL MAINLINES SHALL HAVE 18 AWG BLUE COLOR TRACER WIRE & BLUE COLOR 3" WARNING TAPE INSTALLED AT 6" ABOVE TOP OF PIPES	1.0" = 95 LF	
<u>1,2</u> 303		TREE DRIP LATERAL PIPE:	0.75" SCH 40 PVC PIPE WITH SCH 40 PVC SOLVENT WELD FITTINGS	0.75" = 1,600 LF	
		SHRUB DRIP LATERAL PIPE:	0.75" SCH 40 PVC PIPE WITH SCH 40 PVC SOLVENT WELD FITTINGS	0.75" = 1,580 LF	
3 3.302	X"PS	PIPE SLEEVES (PS)	2" & 3" SCH 40 PVC PIPE (WHITE) SLEEVES UNDER HARDSCAPE- SIZE AS NOTED PER PLANS;	2"PS = 85 LF 3"PS = 725 LF	
3 R.302	x"ws	WIRE SLEEVES (WS)	GRAY ELECTRICAL SCH 40 PVC SLEEVES (SIZE AS NOTED PER PLANS)	1"WS = 100 LF	
		۱ ۲	VALVE KEY LEGEND EMITTER LEGEND	<u> </u>	

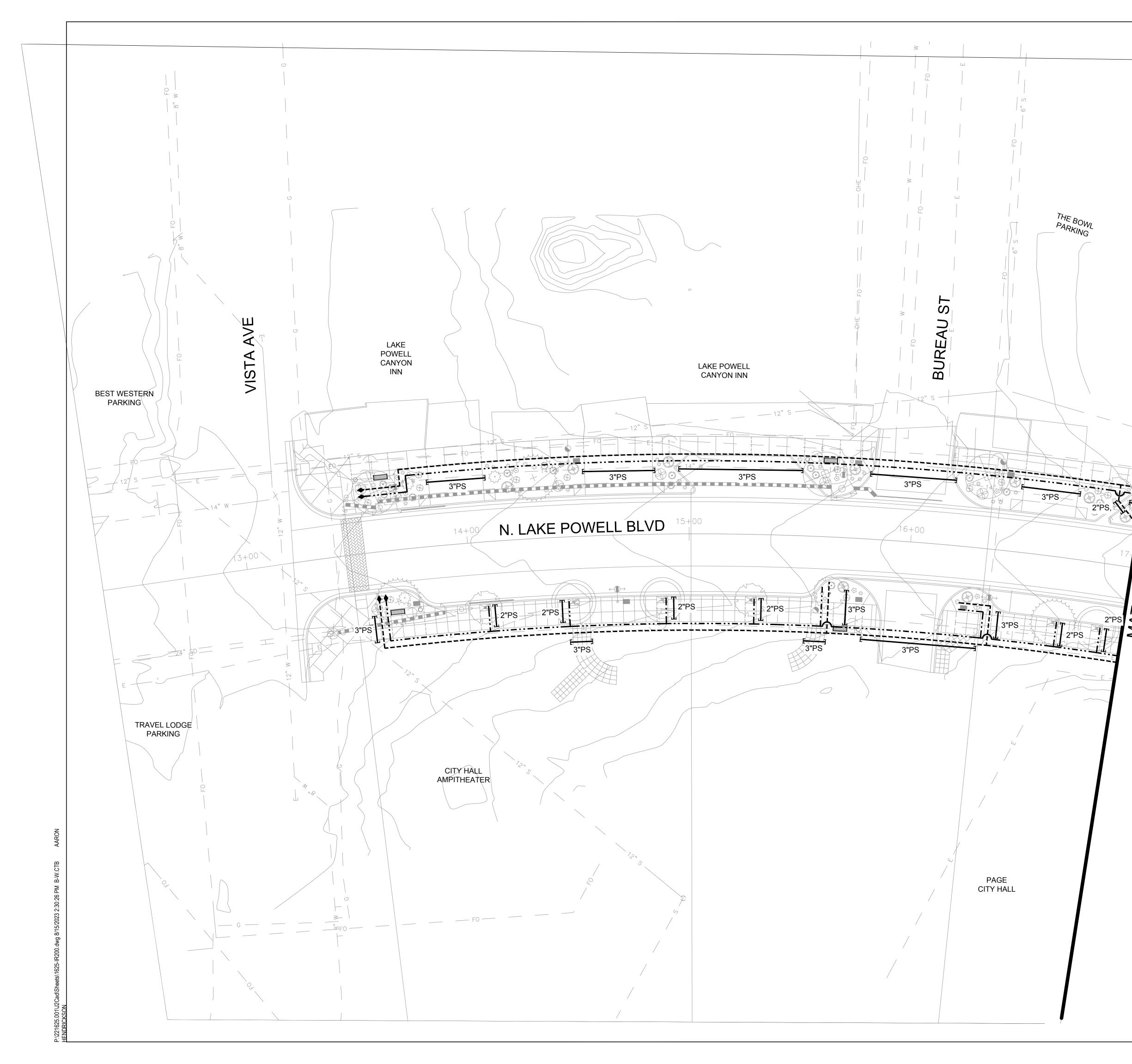


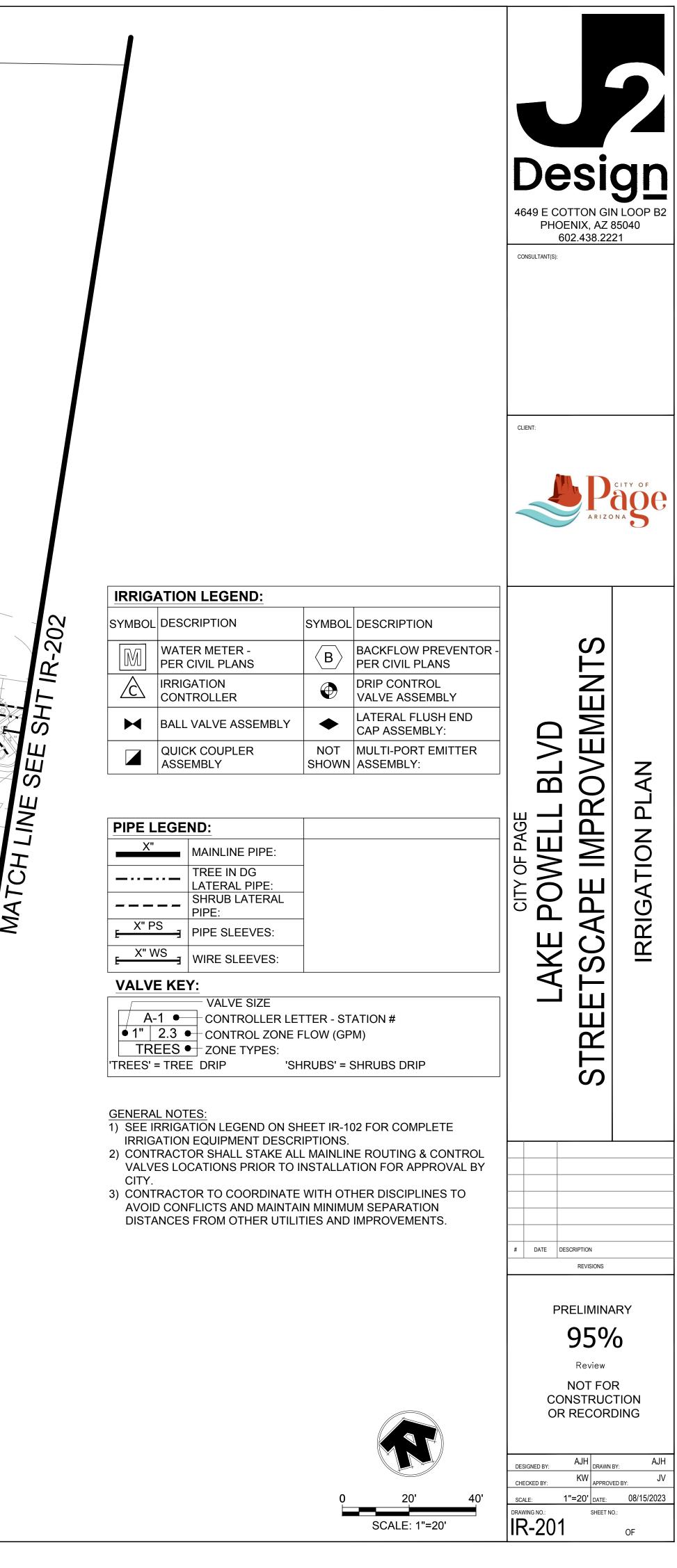


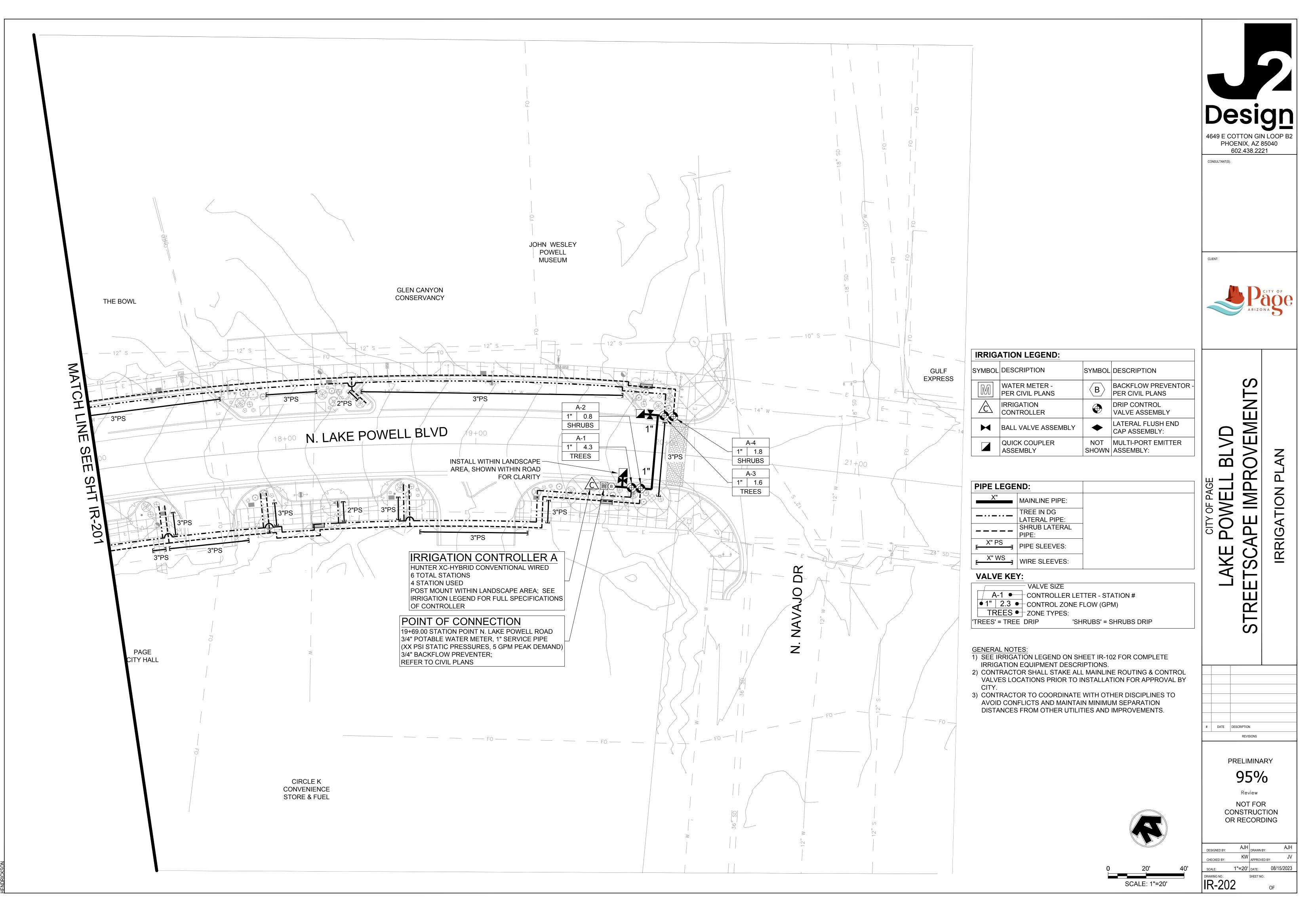
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EREMOPHILA GLABRA 'MINGENEW GOLD' OUTBACK SUNRISE EMU1 / MULTI *1 / 1.0 GPH1.0 GPHROSMARINUS OFFICINALIS 'PROSTRATUS' TRAILING ROSEMARY1 / MULTI *1 / 1.0 GPH1.0 GPH		1 / MULTI *	1 / 1.0 GPH	1.0 GPH
OUTBACK SUNRISE EMU1 / MULTI *1 / 1.0 GPH1.0 GPHROSMARINUS OFFICINALIS 'PROSTRATUS' TRAILING ROSEMARY1 / MULTI *1 / 1.0 GPH1.0 GPHLANTANA MONTEV/IDENISIS 'TRAILING YELLOW/'1 / MULTI *1 / 1.0 GPH1.0 GPH	COVERS:			
TRAILING ROSEMARY 1 / MULTI ^ 1 / 1.0 GPH 1.0 GPH LANTANA MONTEV/IDENISIS 'TRAILING YELLOW/' 1 / MULTI ^ 1 / 1.0 GPH 1.0 GPH		1 / MULTI *	1 / 1.0 GPH	1.0 GPH
LANTANA MONTEVIDENSIS 'TRAILING YELLOW'	TRAILING ROSEMARY	1 / MULTI *	1 / 1.0 GPH	1.0 GPH
YELLOW TRAILING LANTANA 1/ MULTI * 1/1.0 GPH 1.0 GPH	LANTANA MONTEVIDENSIS 'TRAILING YELLOW' YELLOW TRAILING LANTANA	1 / MULTI *	1 / 1.0 GPH	1.0 GPH
8:				
ALOE 'BLUE ELF' 1/MULTI * 1/0.5 GPH 0.5 GPH		1 / MULTI *	1 / 0.5 GPH	0.5 GPH
HESPERALOE PARVIFLORA 'BRAKELIGHTS' BRAKELIGHTS HESPERALOE1 / MULTI *1 / 1.0 GPH1.0 GPH		1 / MULTI *	1 / 1.0 GPH	1.0 GPH

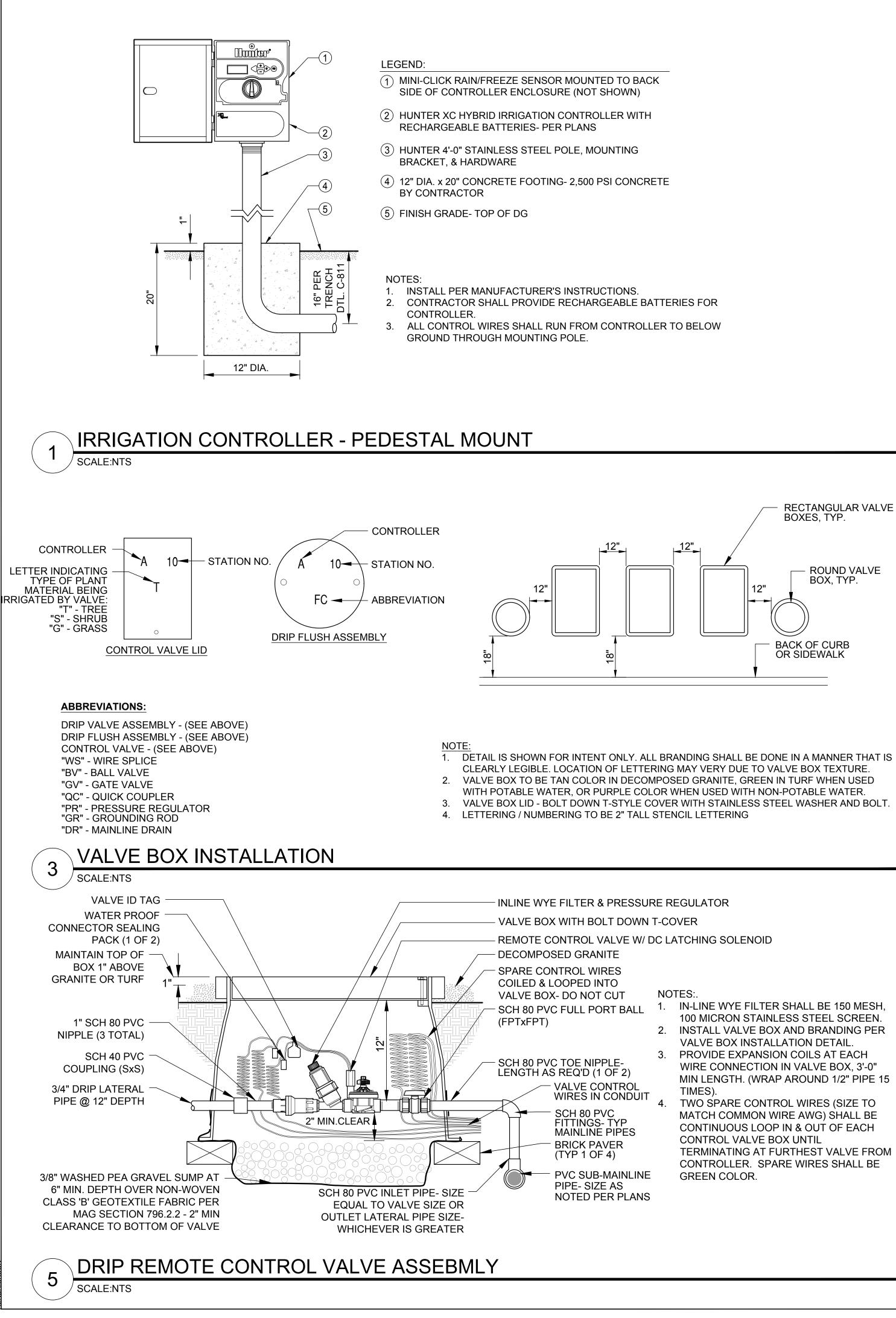
* = MULTI PORT EMITTERS SHALL BE SHARED BETWEEN ADJACENT PLANT WITHIN 8'-0" MAX EMITTER TUBE REACH WITH SAME EMITTER TYPE.

CITY OF PAGE	I AKF POWFI I RI VD			IRRIGATION GENERAL LEGEND
#	DATE	DESCRIPTIO		
		REVI	ISIONS	
	С	Re		
DESI	IGNED BY:	AJH KW		JV
CHE	CKED BY:	1"=20'	APPROVE	08/15/2023
DRAW	ING NO.:		SHEET NO.	
μK	<u>k-10</u>	Z		OF









- TERMINATING AT FURTHEST VALVE FROM

VALVE BOX WITH BOLT DOWN 'T' COVER

WATERPROOF WIRE SPLICE KIT PER **IRRIGATION LEGEND - INSTALL PER** MANUFACTURERS SPECIFICATIONS. WIRE TAG

FINISH GRADE

3/8" WASHED PEA GRAVEL SUMP AT 6" MIN. DEPTH OVER NON-WOVEN

CLASS 'B' GEOTEXTILE FABRIC PER

VALVE BOX TO REST ON GRAVEL SUMP

ⅎ⅄──

VALVE

MAG SECTION 796.2.2

WITH BRICK SUPPORTS (1 OF 3)

IRRIGATION WIRING PER IRRIGATION LEGEND.

NOTE

- 1. FOR ALL WIRE SIZES NO. 14,12,&10.
- 2. ALL CONNECTIONS IN VALVE BOXES ONLY.
- 3. FOR 1-10 CONTROL WIRES: CARSON #910 ROUND 10" VALVE BOX WITH BOLT
- DOWN T-COVER OR APPROVED EQUAL 4. FOR 11 OR MORE CONTROL WIRE: CARSON #1220 JUMBO VALVE BOX WITH
- BOLT DOWN T-COVER OR APPROVED EQUAL.
- 5. INSTALL VALVE BOX AND BRANDING PER VALVE BOX INSTALLATION DETAIL 6. LABEL ALL WIRES ENDS IN SPLICE BOX.
- **TYPICAL IRRIGATION WIRE CONNECTION** SCALE:NTS 10" ROUND VALVE BOX -WITH BOLT DOWN T-COVER FINISH GRADE -SUBGRADE MIN ~_∞ SCH 80 PVC NIPPLE

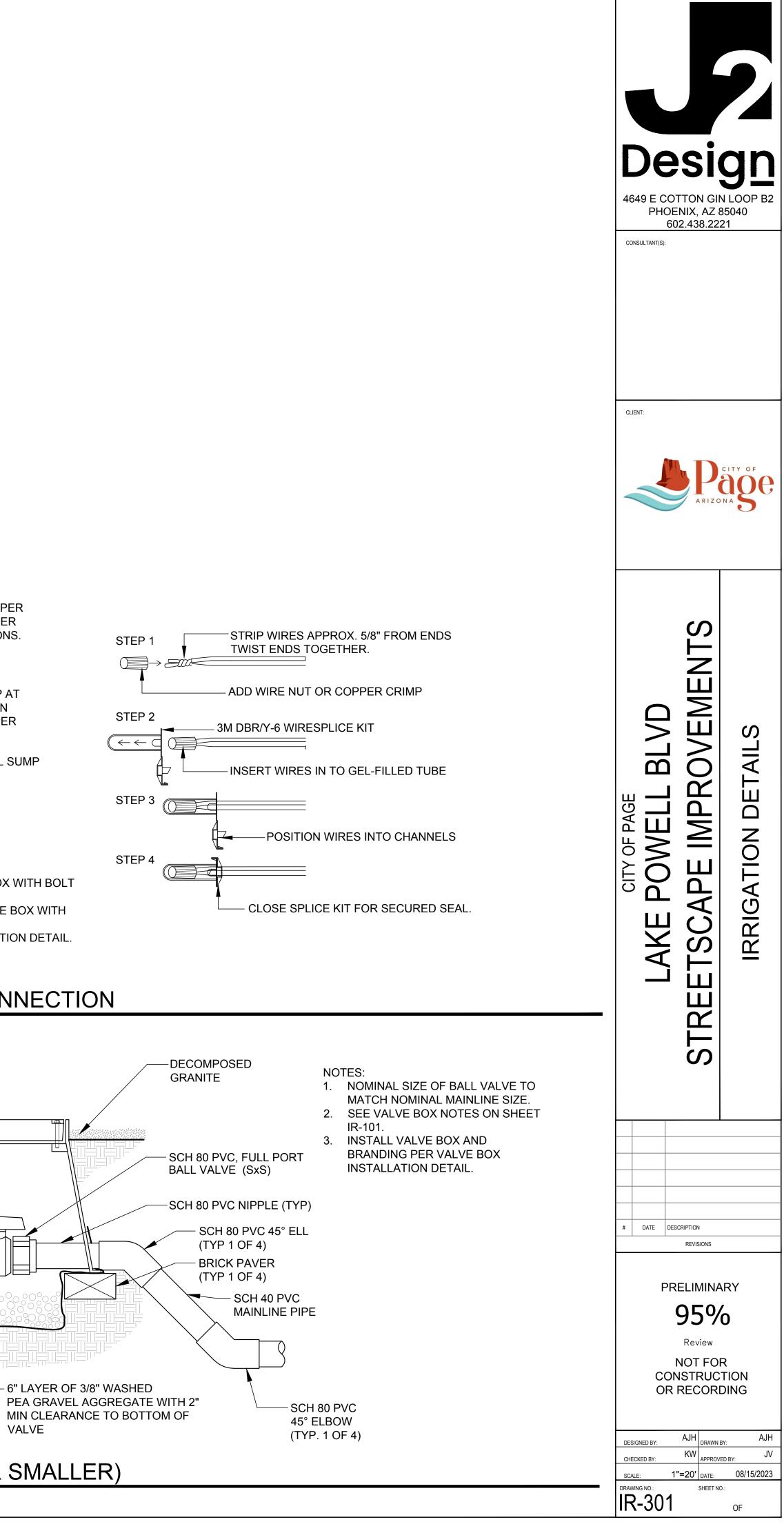
BALL VALVE ASSEMBLY (2.5" OR SMALLER) 6

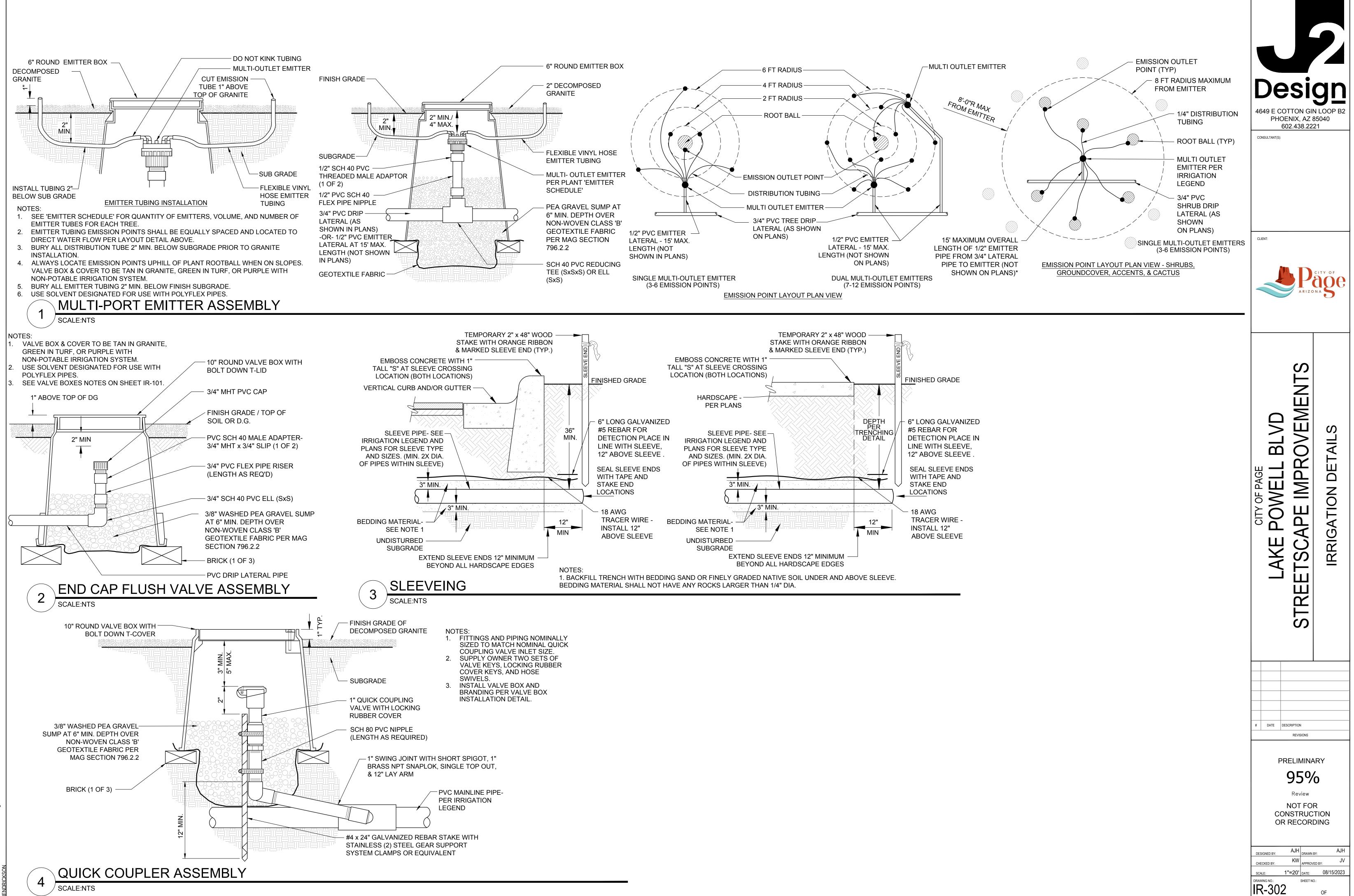
PER MAG SECTION 796.2.2

NON-WOVEN CLASS 'B'

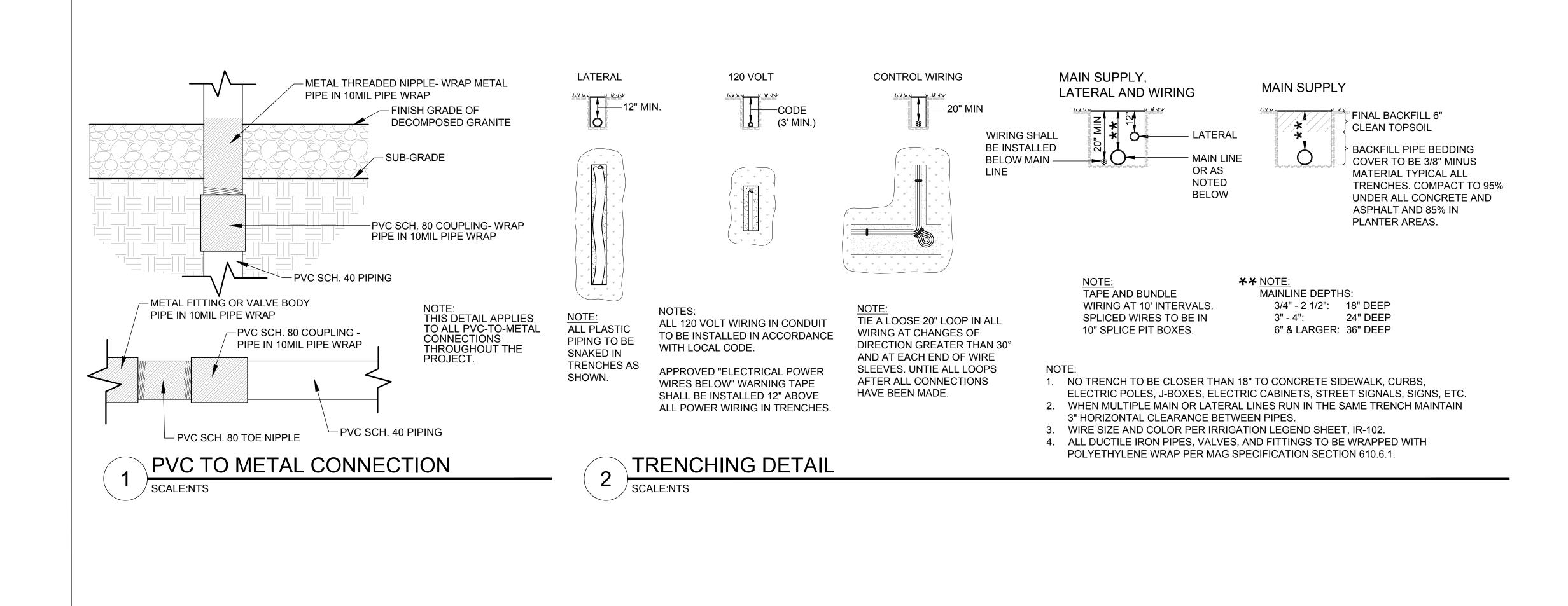
GEOTEXTILE FABRIC

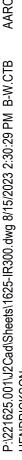
SCALE:NTS

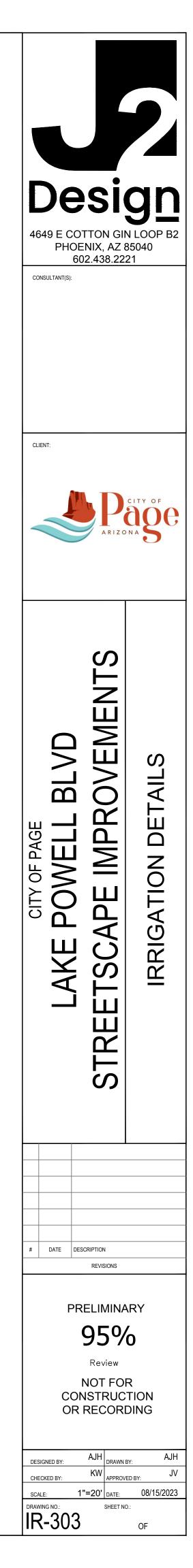




OF







LAKE POWELL BLVD STREETSCAPE SITE ELECTRICAL PAGE, ARIZONA

GENERAL ELECTRICAL NOTES

- 1. ELECTRICAL WORK SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE (LATEST EDITION), FEDERAL, STATE AND LOCAL JURISDICTION CODES.
- 2. ALL WORK SHALL BE DONE IN A NEAT, WORKMANLIKE, FINISHED AND SAFE MANNER, ACCORDING TO THE LATEST PUBLISHED NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION STANDARDS OF INSTALLATION, UNDER COMPETENT SUPERVISION.
- 3. VISIT THE SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND ALL OTHER FACTORS WHICH MAY AFFECT THE EXECUTION OF THIS WORK. INCLUDE ALL RELATED COSTS IN THE INITIAL BID PROPOSAL
- 4. CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS OF ALL EXISTING UTILITIES AND AVOIDING DAMAGE TO SAME. CONTRACTOR TO CALL 811 FOR BLUE STAKE. FOR ALL MUNICIPAL OR PRIVATELY OWNED UTILITIES EXISTING WITHIN LIMITS OF WORK OF PROJECT, CONTRACTOR TO PRIVATELY LOCATE UTILITIES. IRRIGATION LINES LESS THAN 2" WILL NOT TYPICALLY BE MARKED AND CAUTION SHOULD BE USED TO AVOID DAMAGE. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL UTILITIES CAUSED AS A RESULT OF CONTRACT WORK, ALL DAMAGES TO BE REPAIRED IN KIND.
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING WALKS, WALLS, DRIVES, CURBS, ETC. DAMAGES SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
- 6. PROPER PROTECTION OF THE CONSTRUCTION AREA FOR SAFETY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COVER ALL TRENCHES AT THE END OF EACH WORK DAY. BARRICADES SHALL BE INSTALLED AS DIRECTED BY THE OWNER OR THE PROJECT INSPECTOR. THE SITE AND ALL WORK SHALL CONFORM TO OSHA REQUIREMENTS.
- 7. ALL EXISTING LANDSCAPE, HARDSCAPE AND SPRINKLER SYSTEMS DAMAGED OR DISTURBED DURING THE CONSTRUCTION OF THIS PROJECT BY THE CONTRACTOR SHALL BE REPLACED IN KIND.
- 8. CONTRACTOR SHALL PAY FOR PERMITS AND INSPECTIONS AS MAY BE REQUIRED AND PROVIDE A CERTIFICATE OF INSPECTION TO THE OWNER.
- 9. PROTECT ALL MATERIAL AND EQUIPMENT INSTALLED AGAINST DAMAGE BY OTHER TRADES, WEATHER CONDITIONS OR ANY OTHER CAUSES. EQUIPMENT FOUND DAMAGED OR IN OTHER THAN NEW CONDITION WILL BE REJECTED AS DEFECTIVE. ALL COMPONENTS SHALL BE FREE OF DUST, GRIT AND FOREIGN MATERIALS, AND LEFT AS NEW BEFORE FINAL ACCEPTANCE OF WORK.
- 10. LEAVE THE SITE CLEAN, REMOVE ALL DEBRIS, EMPTY CARTONS, TOOLS, CONDUIT, WIRE SCRAPS AND ALL MISCELLANEOUS SPARE EQUIPMENT AND MATERIALS USED IN THE WORK DURING CONSTRUCTION.
- 11. ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC, BURIED 24" MINIMUM BELOW FINISHED GRADE, UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS OR IN DETAILS.
- 12. PROVIDE EMT INDOOR AND GRS OUTDOOR FOR ABOVE GROUND CONDUIT. WHERE METALLIC CONDUITS COME IN CONTACT WITH DIRT, THEY SHALL BE HALF LAP WRAPPED WITH SCOTCH 50 TAPE TO 12" AFG. FITTINGS SHALL BE STEEL, THREADED TYPE WITH INSULATED THROATS. SECURELY ATTACH ALL SURFACE MOUNTED CONDUIT EVERY 10 FEET AND WITHIN 3 FEET OF EACH JUNCTION BOX, PER NEC ARTICLE 344.30.
- 13. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS OR IN DETAILS.
- 14. ALL FEEDERS AND BRANCH CIRCUIT WIRE SHALL BE COPPER TYPE XHHW (75 DEGREE C) FOR BELOW GRADE INSTALLATIONS (AND CONDUIT RISERS) AND THHN/THWN (75 DEGREE C) FOR ABOVE GRADE INSTALLATIONS. MINIMUM SIZE SHALL BE #12 AWG, UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS OR IN DETAILS. ALL WIRING SHALL BE IN CONDUIT. FOR NEW WIRING IN COMMERCIAL APPLICATIONS, THE USE OF TYPES NM, NMC, NMS (ROMEX) CABLES IS NOT PERMITTED. ALL CONDUCTORS SHALL BE NEW UNLESS NOTED OTHERWISE IN PLANS.
- 15. A SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR (BOND) SHALL BE INSTALLED WITHIN EACH RACEWAY, INCLUDING WITHIN EMT CONDUIT. EQUIPMENT GROUNDING CONDUCTOR SHALL BE SIZED PER NEC TABLE 250.122.
- 16. BOND ALL ENCLOSURES PER NEC ARTICLE 250.96.
- 17. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, ETC. NECESSARY FOR A COMPLETE AND WORKABLE ELECTRICAL SYSTEM WHETHER OR NOT THESE ITEMS ARE SPECIFICALLY NOTED ON THESE DRAWINGS. INCIDENTAL ITEMS NOT INDICATED ON THE DRAWINGS, NOR MENTIONED IN SPECIFICATIONS THAT CAN BE LEGITIMATELY AND REASONABLY INFERRED TO BELONG TO THE WORK DESCRIBED OR BE NECESSARY IN GOOD PRACTICE TO PROVIDE A COMPLETE SYSTEM, SHALL BE FURNISHED AND INSTALLED AS THOUGH ITEMIZED HERE IN EVERY DETAIL.
- 18. CONTRACTOR IS RESPONSIBLE FOR AND SHALL PROVIDE ALL LABOR, MATERIAL, TRENCHING, CONDUIT, TRANSFORMER PAD AND OTHER REQUIRED EQUIPMENT PER UTILITY COMPANY PLANS AND SPECIFICATIONS NECESSARY FOR A COMPLETE UNDERGROUND CONDUIT SYSTEM FROM THE UTILITY POINT OF SERVICE TO THE UTILITY CO. TRANSFORMER AND FROM THE UTILITY CO. TRANSFORMER TO THE ELECTRICAL SERVICE ENTRANCE SECTION.
- 19. ALL TRENCHING, CONDUITS, ETC. SHALL BE ROUTED AND INSTALLED IN SUCH A MANNER THAT WILL NOT DAMAGE EXISTING FACILITIES. SHOULD DAMAGE OCCUR, IT WILL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR DAMAGE TO THE SATISFACTION OF THE OWNER OR INSPECTOR.
- 20. ALL CONDUIT RUNS SHOWN ON THIS PLAN ARE SCHEMATIC IN NATURE. THE CONTRACTOR SHALL MAKE SURE THAT ALL CONDUIT, ETC. FALLS WITHIN THE CONSTRUCTION AREA/RIGHT OF WAY. (THIS INCLUDES MAINTAINING ALL REQUIRED CLEARANCES.)
- 21. WHEN CROSSING PATHWAYS OR SIDEWALKS, CONTRACTOR SHALL BORE UNDER EXISTING CONCRETE WALKS AND SAWCUT ASPHALT WALKS. ASPHALT WALKS SHALL BE REPLACED IN KIND.
- 22. CONTRACTOR SHALL GUARANTEE WORK INSTALLED UNDER THE CONTRACT TO BE FREE FROM DEFECTIVE WORKMANSHIP AND MATERIALS, USUAL WEAR EXCEPTED, AND SHOULD ANY SUCH DEFECTS DEVELOP WITHIN A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE PROJECT BY THE OWNER, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DEFECTIVE ITEMS AND DAMAGE RESULTING FROM FAILURE OF THESE ITEMS, AT NO EXPENSE WHATSOEVER TO THE OWNER.
- 23. CONTRACTOR SHALL IDENTIFY SERVICE ENTRANCE SECTION MAIN SERVICE DISCONNECT(S) WITH 3/32-INCH THICK LAMINATED PHENOLIC TYPE NAMEPLATES WITH 1/4-INCH MINIMUM HEIGHT LETTERS. NAMEPLATE TO BE BLACK MATTE FINISH SURFACE WITH WHITE LETTER ENGRAVING. ATTACH NAMEPLATE TO THE OUTSIDE PANEL FACE WITH TWO STAINLESS STEEL SELF-TAPPING SCREWS. NAMEPLATE SHALL READ "SERVICE DISCONNECT" PER NEC ARTICLE 230.70(B).
- 24. ALL CIRCUITS SHALL BE LEGIBLY IDENTIFIED AT THE PANEL, JUNCTION BOXES AND AT ALL EQUIPMENT IN A PERMANENT MANNER (I.E. ETCHED PLATES, CONDUCTOR TAG, PERMANENT MARKER, ETC.). THE LABELING SHALL INCLUDE PANEL CIRCUIT NUMBER, "TO" AND "FROM" IDENTIFICATION, AND MARKED "SPARE" WHERE APPLICABLE.
- 25. CONTRACTOR SHALL TEST ELECTRICAL SYSTEM FOR SHORT CIRCUITS AND MEGGER TEST FEEDER CIRCUIT WIRING. PROVIDE CERTIFIED TEST RESULTS FOR MEGGER TEST TO OWNER UPON COMPLETION OF PROJECT.

38. THE SUBMITTALS SHALL BE NEATLY GROUPED AND ORGANIZED. PERTINENT INFORMATION SHALL BE HIGHLIGHTED. AND THE SPECIFIC PRODUCT SHALL BE IDENTIFIED. ALL SUBMITTALS SHALL BE COMPLETE, AND PRESENTED IN ONE PACKAGE. THE SUBMITTAL SHALL INCLUDE A COMPLETE LIST OF THE EQUIPMENT AND MATERIALS, INCLUDING THE MANUFACTURER'S NAME, PRODUCT SPECIFICATION, DESCRIPTIVE DATA, TECHNICAL LITERATURE, PERFORMANCE CHARTS, CATALOG CUTS, INSTALLATION INSTRUCTIONS, AND SPARE PART RECOMMENDATIONS FOR EACH DIFFERENT ITEM OF THE EQUIPMENT SPECIFIED.

26. ALL CONDUIT SHOWN SHALL BE CONCEALED WHEN POSSIBLE. WHEN NOT POSSIBLE, CONDUIT MAY BE SURFACE MOUNTED WITH PERMISSION OF THE OWNER OR OWNER'S REPRESENTATIVE.

27. CONTRACTOR SHALL COORDINATE ALL EQUIPMENT CONNECTIONS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. PROVIDE ADDITIONAL FUSED DISCONNECT SWITCHES AND CONTROLS IF OVERCURRENT PROTECTION OR CONTROLS IS NOT INTEGRAL WITH UNITS.

28. ALL EQUIPMENT SHALL BE FUSE SIZED PER MANUFACTURES RECOMMENDATIONS AND BEAR U.L. APPROVAL. COORDINATE WITH ENGINEER/OWNER.

29. ELECTRICAL DEVICES, DISCONNECT SWITCHES, ETC., SHALL BE SUPPORTED INDEPENDENT OF AND ISOLATED FROM EQUIPMENT VIBRATIONS.

30. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE NEMA-3R OR NEMA-4 ENCLOSURES.

31. CONDUITS OR RACEWAYS ROUTED FROM INDOORS TO OUTDOORS OR AS DESCRIBED IN NEC 300.7(A). SHALL BE SEALED WITH A PLIABLE SEALING COMPOUND AT A CONDUIT BODY OR AT A JUNCTION BOX BEFORE THE CONDUIT ENTERS THE COLDER ENVIRONMENT.

32. CONDUITS OR RACEWAYS INSTALLED IN AREAS WHERE ELEVATION CHANGES MAY CAUSE WATER OR MOISTURE TO ENTER THE ELECTRICAL EQUIPMENT THROUGH THE CONDUIT SHALL BE SEALED WITH A HERMETIC CONDUIT SEAL AT BOTH ENDS OF THE CONDUIT OR RACEWAY.

33. ALL POLE LIGHTS SHALL BE PROVIDED WITH A TWO POLE FUSE HOLDER BUSSMANN #HEX OR A SINGLE POLE FUSE HOLDER BUSSMANN #HEB OR EQUAL FOR INLINE FUSING, PROVIDE 5 AMP FUSING IN FUSEHOLDER.

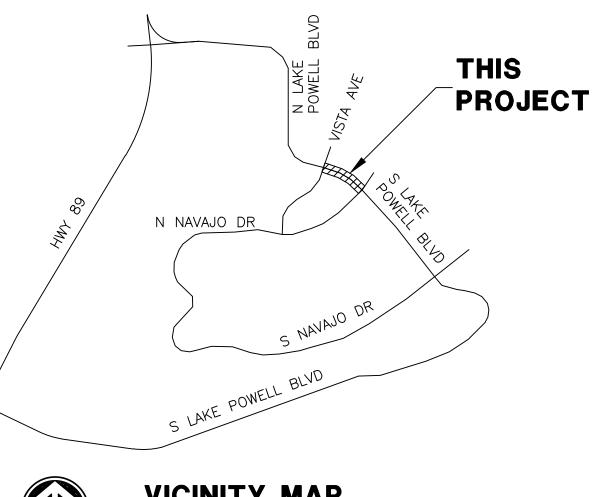
34. PRIOR TO POURING THE POLE BASES OR COVERING ANY ELECTRICAL CONDUITS, CONTACT THE INSPECTION DEPARTMENT 24 HOURS IN ADVANCE FOR APPROVAL.

35. MATERIALS SHALL BE NEW AND OF THE BEST QUALITY WITH MANUFACTURER'S NAME PRINTED THEREON. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH NEMA, ANSI, UNDERWRITER'S LABORATORY OR OTHER APPLICABLE STANDARDS AND RATED FOR HEAVY DUTY SERVICE.

36. ALL WIRING DEVICES SHALL BE SPECIFICATION GRADE. ALL 15 AND 20 AMP, 125 AND 250 VOLT, NONLOCKING RECEPTACLES INSTALLED OUTDOORS SHALL BE LISTED WEATHER-RESISTANT TYPE. RECEPTACLE COVERS IN WET LOCATIONS SHALL BE EXTRA DUTY PER NEC 406.9(B). ALL WEATHERPROOF WHILE IN-USE RECEPTACLE COVERS SHALL BE METAL.

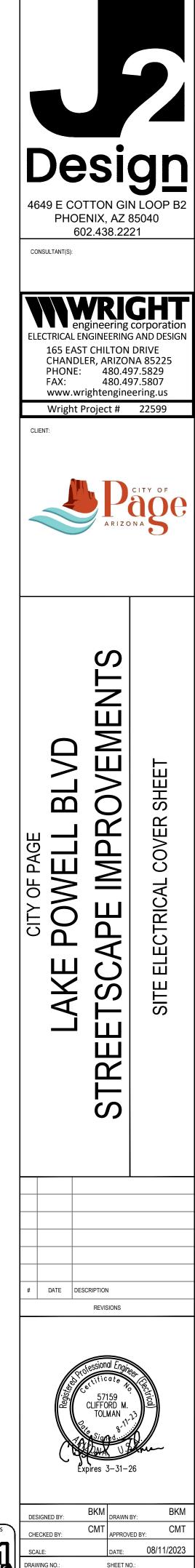
37. SELECTION OF MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE DRAWINGS AND/OR SPECIFICATIONS. THE USE OF MANUFACTURER'S NAME, MODEL, AND NUMBER IS INTENDED TO ESTABLISH STYLE, QUALITY, APPEARANCE, USEFULNESS AND BID PRICE. CONTRACTOR SHALL SUBMIT TO THE OWNER OR OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL (PRIOR TO ORDERING MATERIALS) COPIES OF EQUIPMENT SHOP DRAWINGS AS FOLLOWS: LIGHT FIXTURES, POLES, POLE BASES, SERVICE ENTRANCE SECTION, ELECTRICAL EQUIPMENT, DISCONNECT SWITCHES, TIME CLOCKS AND OTHER CONTROLS, LIGHTING CONTACTORS AND PULL BOXES. AT THE TIME OF EACH SUBMITTAL, THE CONTRACTOR SHALL DEFINE AND DELINEATE IN WRITING ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS. THE REVIEW WILL BE ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE WORK AND FOR COMPLIANCE WITH THE INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS. THE REVIEW OF A SPECIFIED ITEM, AS SUCH, WILL NOT INDICATE REVIEW OF THE ASSEMBLY IN WHICH THE ITEM FUNCTIONS. REVIEW BY THE OWNER OR OWNER'S REPRESENTATIVE WILL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR ANY ERRORS OR OMISSIONS IN THE SUBMITTALS NOR FROM HIS RESPONSIBILITY FOR COMPLYING WITH THE CONTRACT DOCUMENTS.







VICINITY MAP NO SCALE

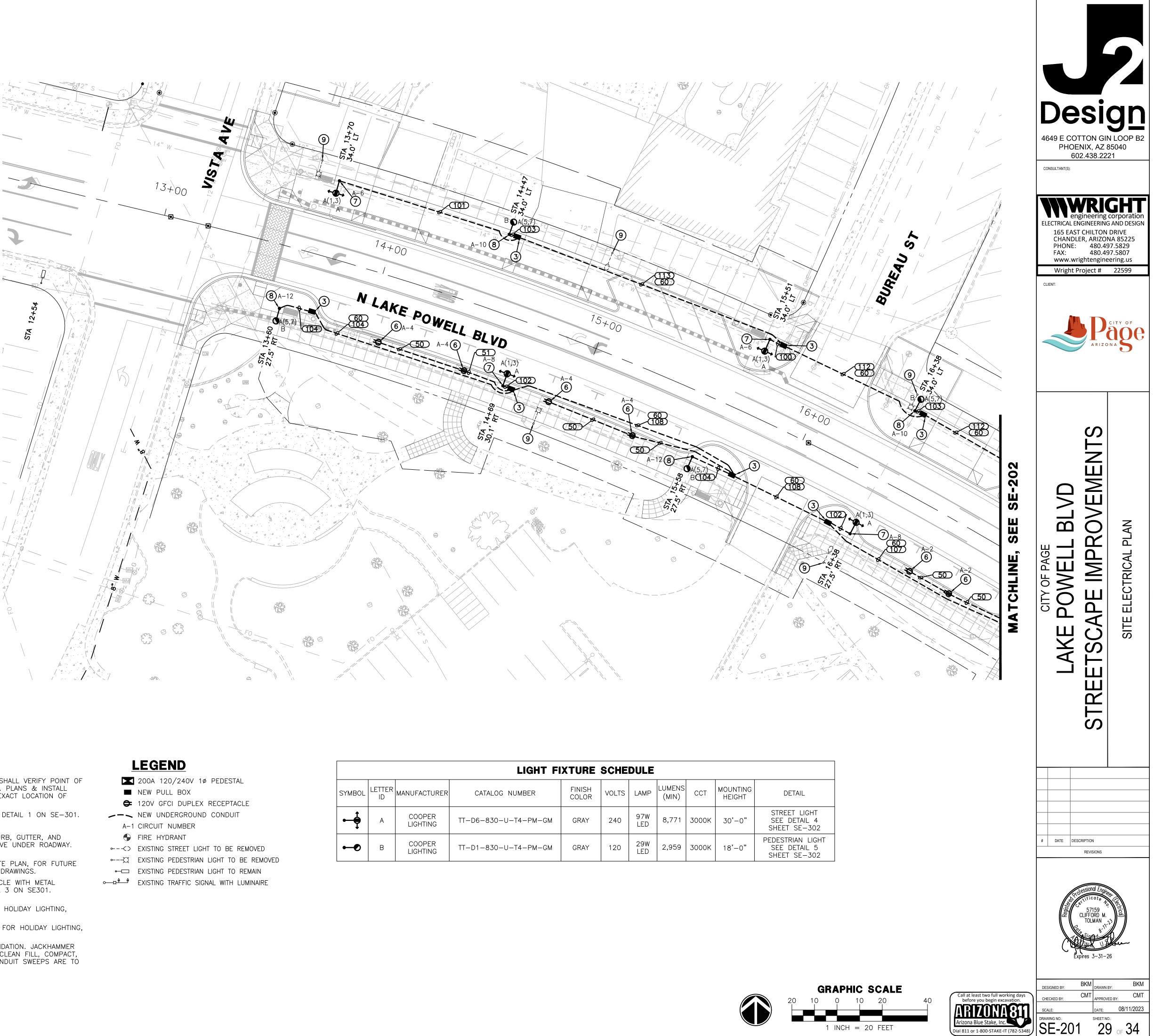




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CC	NDUIT		WIRE		REMARKS
0.	SIZE	POWER	GROUND	TYPE*	(CKT #)
0	1"	2-#12	1-#12	CU	TYPICAL
1	1"	2-#10	1-#10	CU	TYPICAL
0	1.5"	PULL ROPE			SPARE
00	1"	2-#12	1-#12	CU	A(1,3)
		2-#12		CU	A-6
01	1"	2-#12	1-#10		A(1,3)
01	'	2-#10	-	CU	A(1,5) A-6
	1"		1 // 1 0		
02		2-#12	1-#12	CU	A(1,3)
0.7	1"	2-#12			A-8
03		2-#12	1-#12	CU	A(5,7)
		2-#12		CU	A-10
04	1"	2-#12	1-#12	CU	A(5,7)
		2-#12		CU	A-12
05	1"	2-#12	1-#12	CU	A(1,3)
		2-#12		CU	A-2
		2-#12		CU	A(5,7)
	1"	2-#10	1-#8	CU	A-8
		2-#8		CU	A-6
	1.5"	2-#8	1-#6	CU	A-10
		2-#8	— ———————————————————————————————————	CU	A-12
		2-#6		CU	A-4
06	1"	2-#12	1-#12	CU	A(1,3)
00		2-#12		CU	A-2
		2-#12	_	CU	A(5,7)
	1.5"	2-#10	1 #6		A-8
	1.5		1-#6		
		2-#8	_	CU	A-12
		2-#6		CU	A-4
07	1"	2-#12	1-#10	CU	A(1,3)
		2-#12		CU	A(5,7)
		2-#10		CU	A-8
	1"	2-#10	1_#6	CU	A-12
		2-#6		CU	A-4
08	1"	2-#12	1-#12	CU	A(1,3)
		2-#12		CU	A(5,7)
		2-#12		CU	A-8
	1"	2-#10	1-#8	CU	A-12
		2-#8		CU	A-4
09	1"	2-#12	1-#12		A(1,3)
		2-#12		CU	A(1,3) A(5,7)
	1"	2-#12	1-#8		A(3,7) A-6
10	1"	2-#8	1 // 1 // 1 // 1 // 1 // 1		A - 10
10		2-#12	1-#12	CU	A(1,3)
	. "	2-#12			A(5,7)
	1"	2-#12	1-#10	CU	A-6
		2-#10		CU	A-10
11	1"	2-#12	1-#12	CU	A(1,3)
		2-#12		CU	A(5,7)
	1"	2-#12	1-#12	CU	A-6
		2-#12		CU	A-10
12	1"	2-#12	1-#12	CU	A(1,3)
		2-#12	— "	CU	A(5,7)
	1"	2-#10	1-#8	CU	A-10
		2-#10		CU	A-6
13	1"		1_#10		
IJ		2-#12	1-#12		A(1,3)
		2-#12	1 1/10		A(5,7)
	1"	2-#10	1-#10	CU	A-10
		2-#10		CU	A-6

WIDE & CONDUIT TADIE

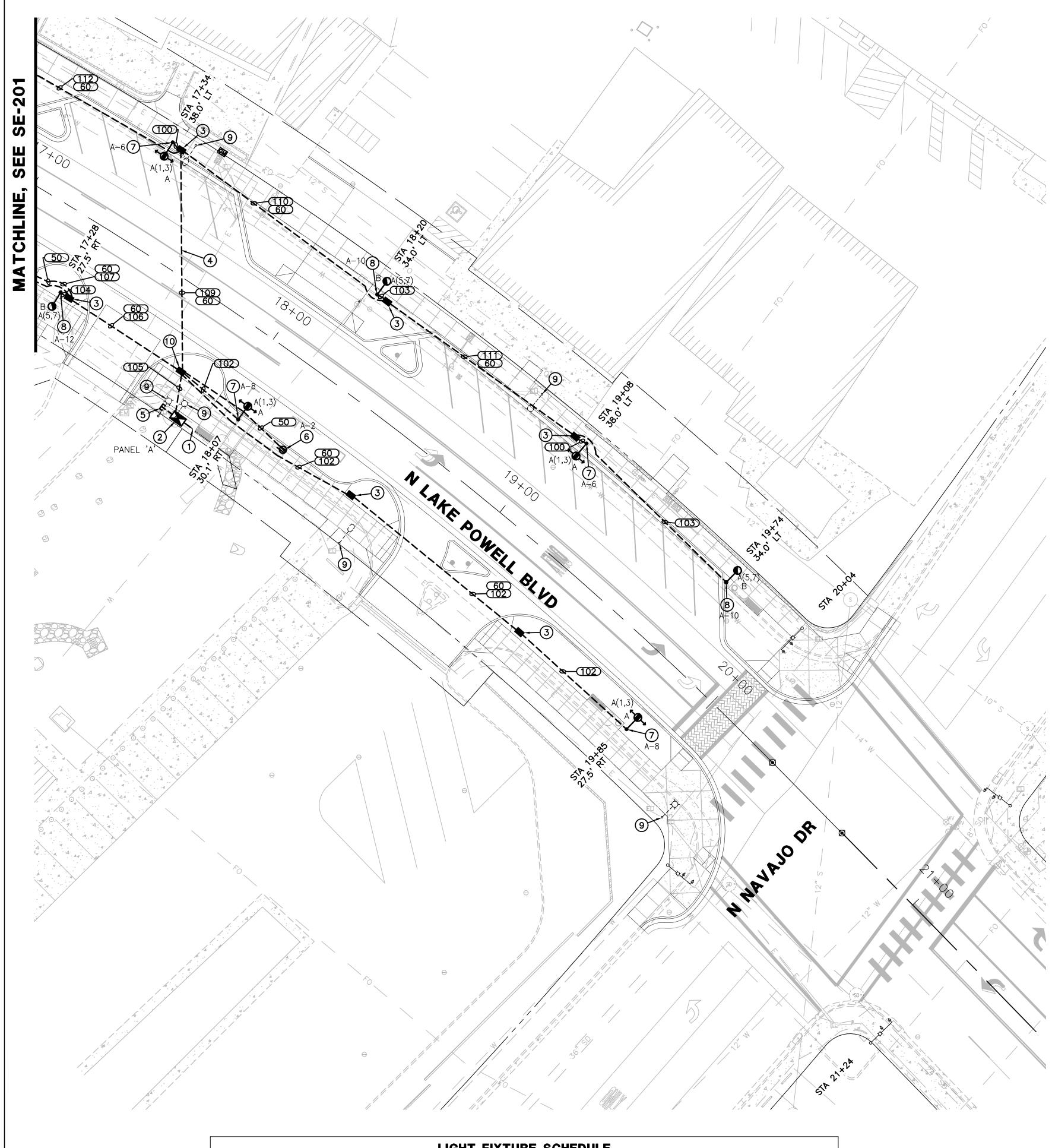


* THIS COLUMN IDENTIFIES THE CONDUCTOR MATERIAL TYPE. CU = COPPER, AL = ALUMINUM.

CONSTRUCTION NOTES

- 1 2.5" SCH. 40 PVC CONDUIT TO POINT OF SERVICE, CONTRACTOR SHALL VERIFY POINT OF ELECTRIC SERVICE LOCATION AND SPECIFICATIONS WITH POWER CO. PLANS & INSTALL CONDUIT TO THIS LOCATION. POWER CO. PLANS WILL DETERMINE EXACT LOCATION OF CONDUIT AND TAKE PRECEDENCE OVER THESE DRAWINGS.
- (2) 200 AMP, 120/240V, 1Ø, 3W, METERED ELECTRIC PEDESTAL, SEE DETAIL 1 ON SE-301.
- (3) #3-1/2 CONCRETE PULL BOX, SEE DETAIL 2 ON SE-301.
- (4) CONTRACTOR TO HORIZONTAL BORE UNDER EXISTING ROADWAY, CURB, GUTTER, AND SIDEWALK AS NECESSARY. INSTALL 3" SCH 40 PVC CONDUIT SLEEVE UNDER ROADWAY. INSTALL CONDUIT IN SLEEVE.
- 5 STUB OUT 5' OF 1" CONDUIT WITH PULL ROPE AS SHOWN ON SITE PLAN, FOR FUTURE USE. CAP CONDUIT AT GRADE AND MARK LOCATION ON AS-BUILT DRAWINGS.
- 6 ARLINGTON GARD-N-POST WITH 20A 120V GFCI DUPLEX RECEPTACLE WITH METAL WEATHERPROOF WHILE-IN-USE AND LOCKABLE COVER, SEE DETAIL 3 ON SE301. COORDINATE EXACT LOCATION WITH LANDSCAPE ARCHITECT.
- (7) 20A 120V GFCI DUPLEX RECEPTACLE ON STREET LIGHT POLE FOR HOLIDAY LIGHTING, SEE DETAIL 4 ON SE-302
- (8) 20A 120V GFCI DUPLEX RECEPTACLE ON PEDESTRIAN LIGHT POLE FOR HOLIDAY LIGHTING, SEE DETAIL 5 ON SE-302
- (9) REMOVE EXISTING STREET OR PEDESTRIAN LIGHT, POLE, AND FOUNDATION. JACKHAMMER ANY FOUNDATION TO A POINT 24" BELOW GRADE, BACKFILL WITH CLEAN FILL, COMPACT, AND REPAIR GRADE TO MATCH EXISTING AS NEEDED. VERTICAL CONDUIT SWEEPS ARE TO BE REMOVED, LATERAL RUNS ARE TO BE ABANDONED IN PLACE.
- (10) #5 CONCRETE PULL BOX, SEE DETAIL 2 ON SE-301.

			LIGHT FI	XTURE	SCHE	DULE	
SYMBOL	LETTER ID	MANUFACTURER	CATALOG NUMBER	FINISH COLOR	VOLTS	LAMP	LUMEI (MIN
•	A	COOPER LIGHTING	TT-D6-830-U-T4-PM-GM	GRAY	240	97W LED	8,77
•••••	В	COOPER LIGHTING	TT-D1-830-U-T4-PM-GM	GRAY	120	29W LED	2,95



	LIGHT FIXTURE SCHEDULE									
SYMBOL	LETTER ID	MANUFACTURER	CATALOG NUMBER	FINISH COLOR	VOLTS	LAMP	LUMENS (MIN)	ССТ	MOUNTING HEIGHT	DETAIL
•	A	COOPER LIGHTING	TT-D6-830-U-T4-PM-GM	GRAY	240	97W LED	8,771	3000K	30'-0"	STREET LIGHT SEE DETAIL 4 SHEET SE-302
0	В	COOPER LIGHTING	TT-D1-830-U-T4-PM-GM	GRAY	120	29W LED	2,959	3000K	18'-0"	PEDESTRIAN LIGHT SEE DETAIL 5 SHEET SE-302

LEGEND

	200A 120/240V 1ø PEDESTAL
	NEW PULL BOX
¢	120V GFCI DUPLEX RECEPTACLE
~~~	NEW UNDERGROUND CONDUIT
A-1	CIRCUIT NUMBER
	FIRE HYDRANT
⊶()	EXISTING STREET LIGHT TO BE REMOVED
⊶XX	EXISTING PEDESTRIAN LIGHT TO BE REMOVED
•	EXISTING PEDESTRIAN LIGHT TO REMAIN
<u>₀</u> ₽_₽	EXISTING TRAFFIC SIGNAL WITH LUMINAIRE

- 1 2.5" SCH. 40 PVC CONDUIT TO POINT OF SERVICE, CONTRACTOR SHALL VERIFY POINT OF ELECTRIC SERVICE LOCATION AND SPECIFICATIONS WITH POWER CO. PLANS & INSTALL CONDUIT TO THIS LOCATION. POWER CO. PLANS WILL DETERMINE EXACT LOCATION OF CONDUIT AND TAKE PRECEDENCE OVER THESE DRAWINGS.

- INSTALL CONDUIT IN SLEEVE.
- 5 STUB OUT 5' OF 1" CONDUIT WITH PULL ROPE AS SHOWN ON SITE PLAN, FOR FUTURE USE. CAP CONDUIT AT GRADE AND MARK LOCATION ON AS-BUILT DRAWINGS.
- 6 ARLINGTON GARD-N-POST WITH 20A 120V GFCI DUPLEX RECEPTACLE WITH METAL WEATHERPROOF WHILE-IN-USE AND LOCKABLE COVER, SEE DETAIL 3 ON SE301. COORDINATE EXACT LOCATION WITH LANDSCAPE ARCHITECT.
- 8 20A 120V GFCI DUPLEX RECEPTACLE ON PEDESTRIAN LIGHT POLE FOR HOLIDAY LIGHTING, SEE DETAIL 5 ON SE-302
- 9 REMOVE EXISTING STREET OR PEDESTRIAN LIGHT, POLE, AND FOUNDATION. JACKHAMMER ANY FOUNDATION TO A POINT 24" BELOW GRADE, BACKFILL WITH CLEAN FILL, COMPACT, AND REPAIR GRADE TO MATCH EXISTING AS NEEDED. VERTICAL CONDUIT SWEEPS ARE TO BE REMOVED, LATERAL RUNS ARE TO BE ABANDONED IN PLACE. (10) #5 CONCRETE PULL BOX, SEE DETAIL 2 ON SE-301.

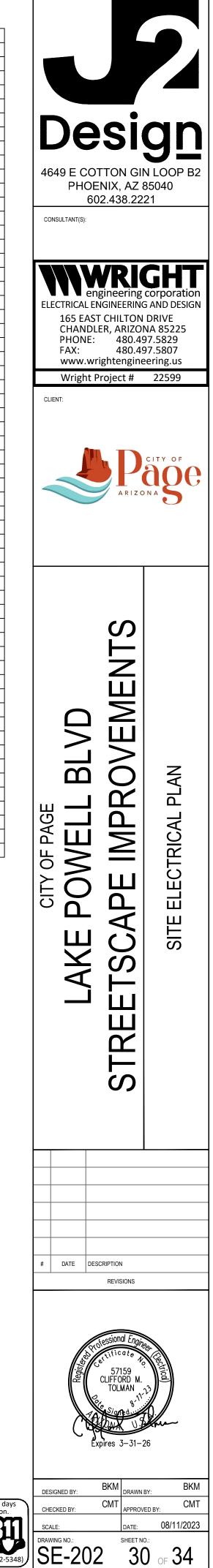
		<u>RE &amp; CC</u>			
CO	NDUIT		WIRE		REMARKS
NO.	SIZE	POWER	GROUND	TYPE*	(CKT #)
50	1"	2-#12	1-#12	CU	TYPICAL
51	1"	2-#10	1-#10	CU	TYPICAL
60	1.5"	PULL ROPE			SPARE
100	1"	2-#12	1-#12	CU	A(1,3)
100		2-#12		CU	A-6
101	1"		1 // 1 0		
101		2-#12	1-#10	CU	A(1,3)
100		2-#10		CU	A-6
102	1"	2-#12	1-#12	CU	A(1,3)
		2-#12		CU	A-8
103	1"	2-#12	1-#12	CU	A(5,7)
		2-#12		CU	A-10
104	1"	2-#12	1-#12	CU	A(5,7)
		2-#12	1 "	CU	A-12
105	1"	2-#12	1-#12	CU	A(1,3)
100	'	2-#12		CU	A-2
			-		
	. "	2-#12		CU	A(5,7)
	1"	2-#10	1-#8	CU	A-8
		2-#8		CU	A-6
	1.5"	2-#8	1-#6	CU	A-10
		2-#8		CU	A-12
		2-#6	1	CU	A-4
106	1"	2-#12	1-#12	CU	A(1,3)
		2-#12	$-1$ $^{\prime}$ $^{\prime\prime}$ $^{\prime\prime}$ $^{\prime\prime}$ $^{\prime\prime}$	CU	A-2
		2-#12	-	CU	A(5,7)
	1.5"		1 #6		
	1.5	2-#10	1-#6	CU	A-8
		2-#8	4	CU	A-12
		2-#6		CU	A-4
107	1"	2-#12	1-#10	CU	A(1,3)
		2-#12		CU	A(5,7)
		2-#10	7	CU	A-8
	1"	2-#10	1-#6	CU	A-12
		2-#6		CU	A-4
108	1"	2-#12	1-#12	CU	A(1,3)
100	'		$+$ $\pi'$	CU	
		2-#12	-		A(5,7)
	. "	2-#12		CU	A-8
	1"	2-#10	1-#8	CU	A-12
		2-#8		CU	A-4
109	1"	2-#12	1-#12	CU	A(1,3)
		2-#12	7	CU	A(5,7)
	1"	2-#8	1-#8	CU	A-6
		2-#8	1 "	CU	A-10
110	1"	2-#12	1-#12	CU	A(1,3)
110				CU	· · · ·
	1"	2-#12	1 // 1 0		A(5,7)
	1	2-#12	1-#10	CU	A-6
		2-#10	l	CU	A-10
111	1"	2-#12	1-#12	CU	A(1,3)
	1	2-#12		CU	A(5,7)
	1"		1-#12	CU	A-6
	1"	2-#12	1-#12		
		2-#12 2-#12		CU	A-10
	1"	2-#12 2-#12 2-#12	1-#12	CU CU	A-10 A(1,3)
	1"	2-#12 2-#12 2-#12 2-#12 2-#12	1-#12	CU CU CU	A-10 A(1,3) A(5,7)
		2-#12 2-#12 2-#12 2-#12 2-#12 2-#10		CU CU CU CU	A-10 A(1,3) A(5,7) A-10
	1"	2-#12 2-#12 2-#12 2-#12 2-#12	1-#12	CU CU CU	A-10 A(1,3) A(5,7)
112	1"	2-#12 2-#12 2-#12 2-#12 2-#10 2-#8	1-#12	CU CU CU CU	A-10 A(1,3) A(5,7) A-10 A-6
112	1"	2-#12 2-#12 2-#12 2-#12 2-#12 2-#10 2-#8 2-#12	1-#12 1-#8	CU CU CU CU CU CU CU	A-10 A(1,3) A(5,7) A-10 A-6 A(1,3)
112	1"	2-#12 2-#12 2-#12 2-#12 2-#10 2-#8	1-#12 1-#8	CU CU CU CU CU	A-10 A(1,3) A(5,7) A-10 A-6

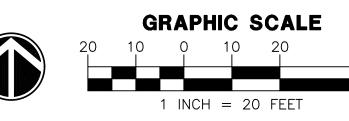
2-#10 * THIS COLUMN IDENTIFIES THE CONDUCTOR MATERIAL TYPE. CU = COPPER, AL = ALUMINUM.

### **CONSTRUCTION NOTES**

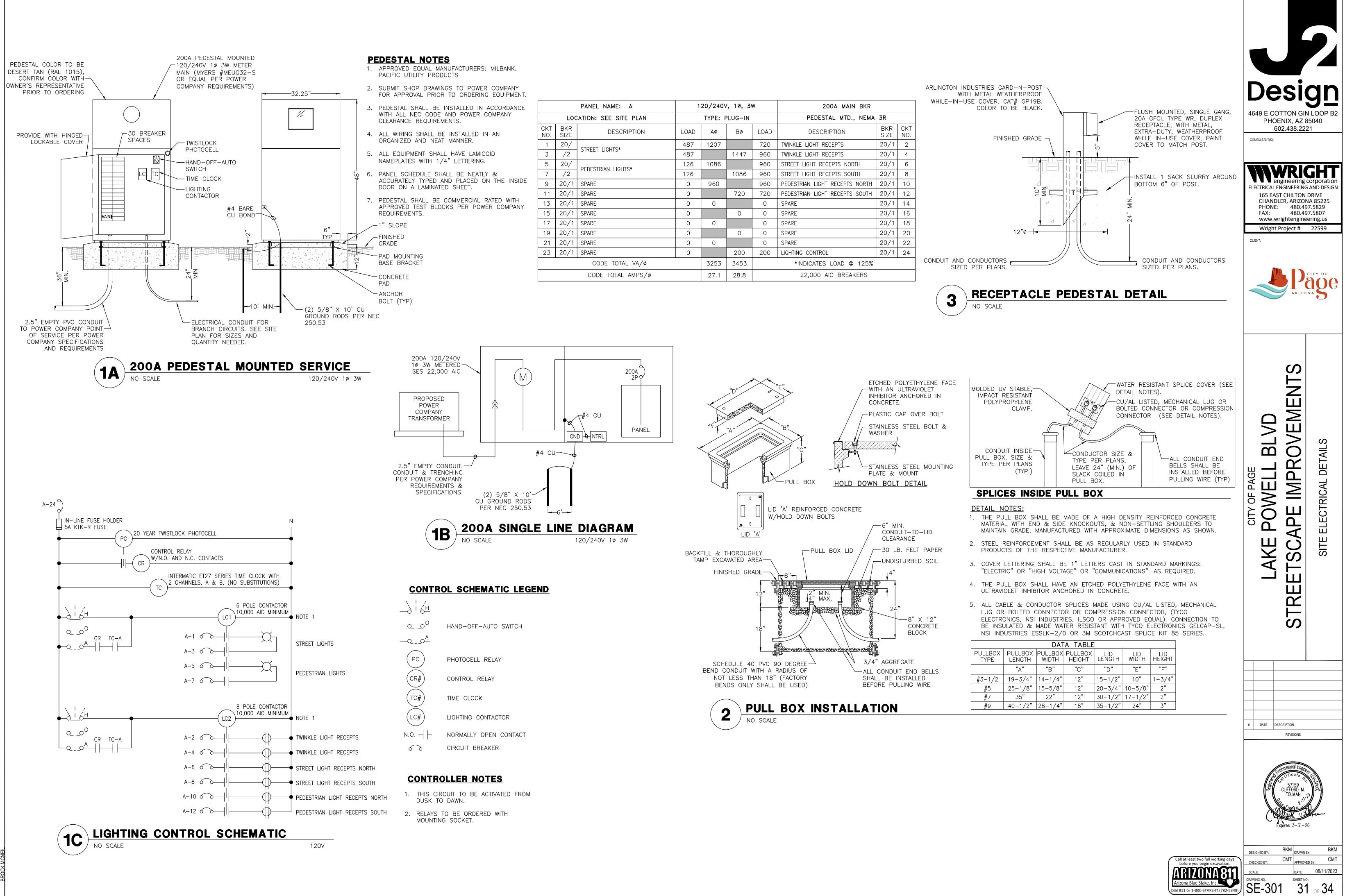
- (2) 200 AMP, 120/240V, 1ø, 3W, METERED ELECTRIC PEDESTAL, SEE DETAIL 1 ON SE-301.  $(\overline{3})$  #3-1/2 CONCRETE PULL BOX, SEE DETAIL 2 ON SE-301.
- (4) CONTRACTOR TO HORIZONTAL BORE UNDER EXISTING ROADWAY, CURB, GUTTER, AND SIDEWALK AS NECESSARY. INSTALL 3" SCH 40 PVC CONDUIT SLEEVE UNDER ROADWAY.
- 7 20A 120V GFCI DUPLEX RECEPTACLE ON STREET LIGHT POLE FOR HOLIDAY LIGHTING, SEE DETAIL 4 ON SE-302

# WIRE & CONDUIT TARIE

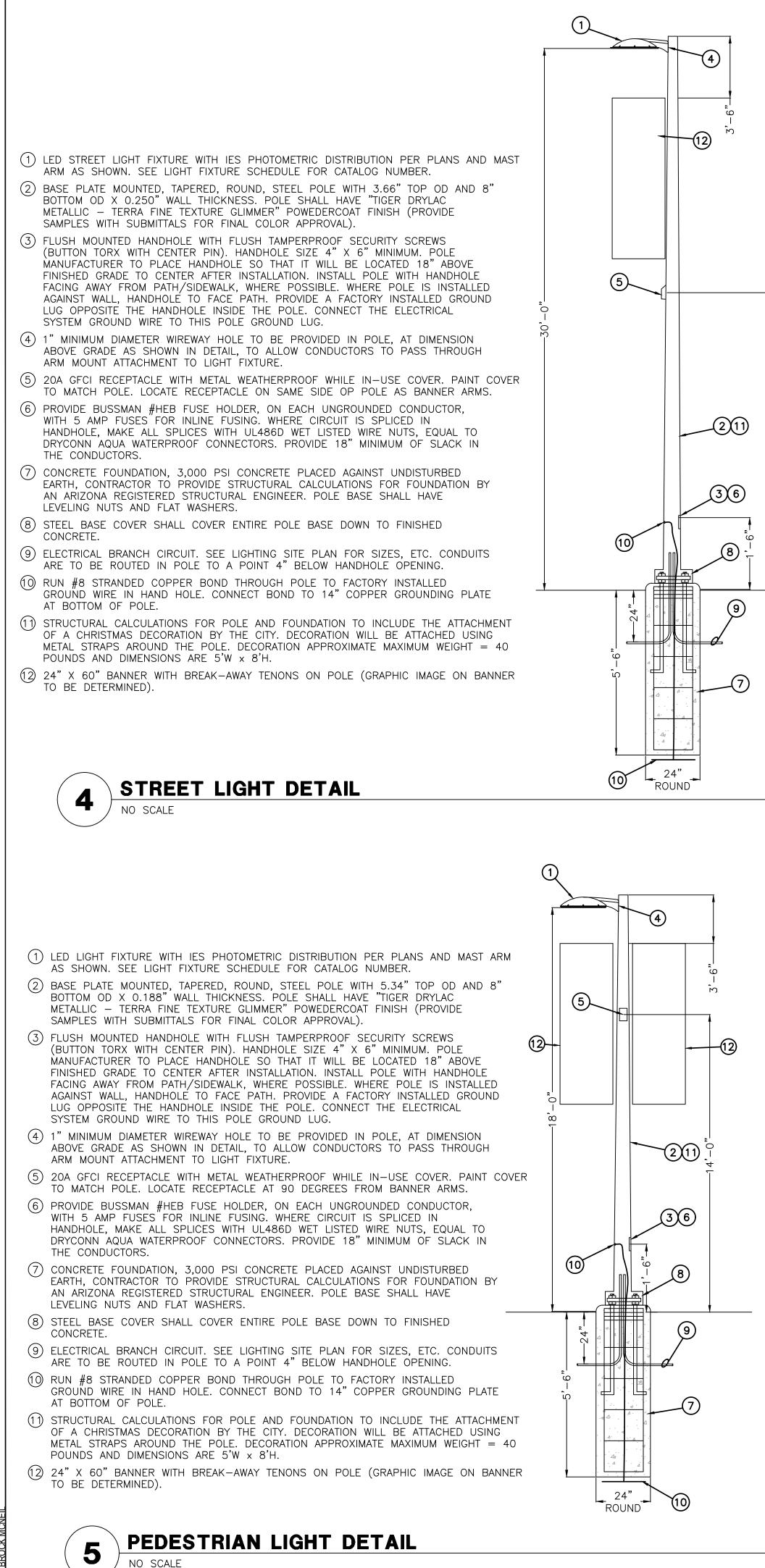


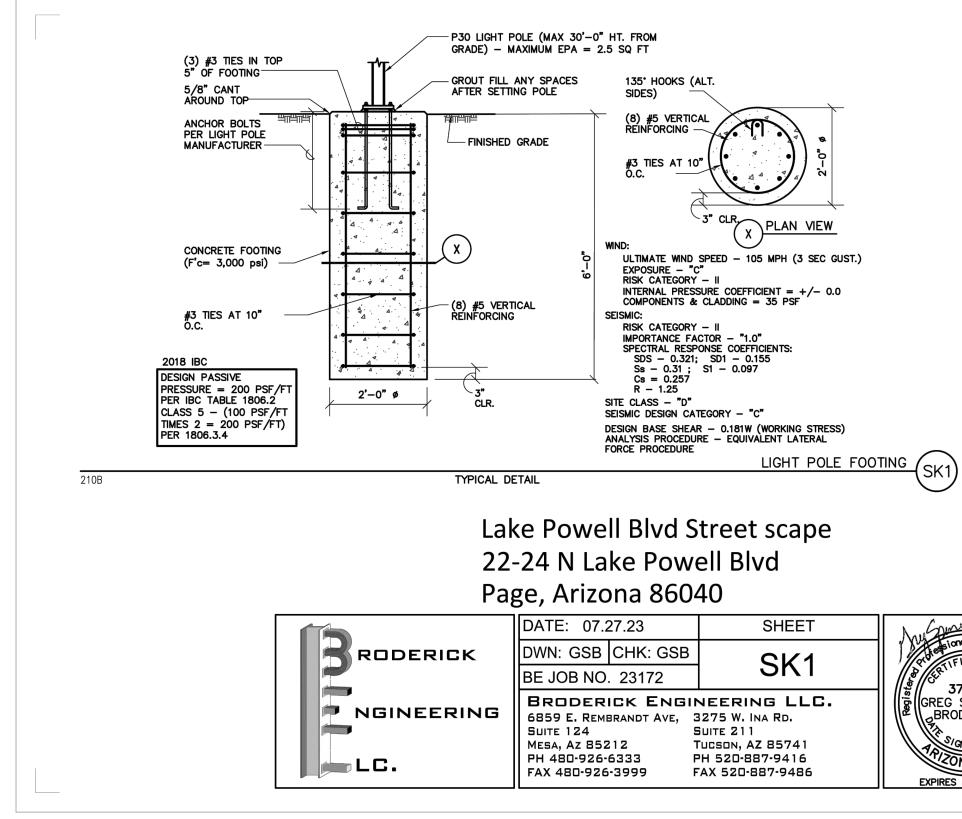


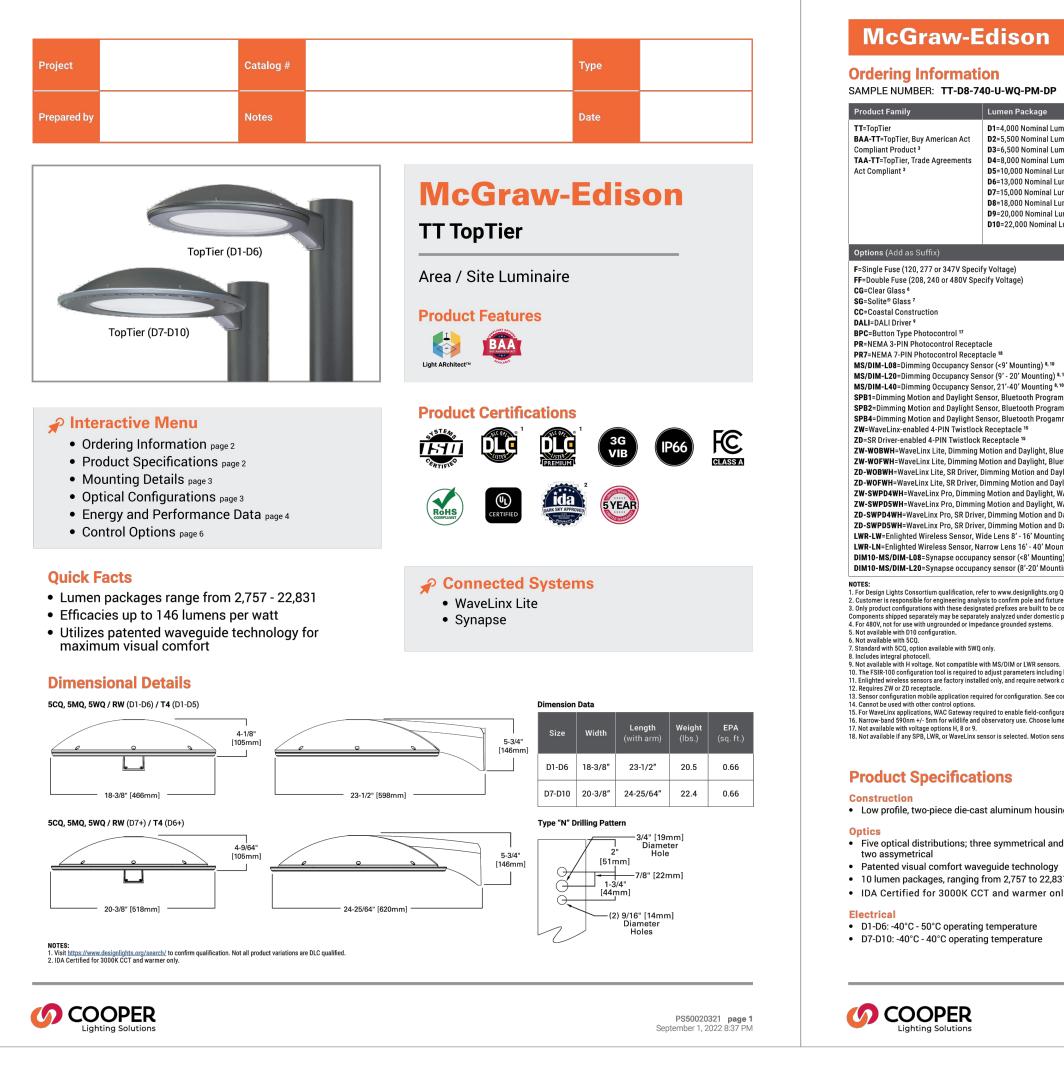




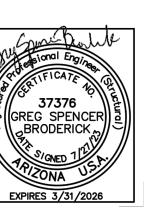
PANEL NAME: A			1	20/240	/, 1ø, 3 ^v	W	200A MAIN BKR				
	LOCATION: SEE SITE PLAN			TYPE: F	PLUG-IN		PEDESTAL MTD., NEMA 3R				
CKT NO.	BKR SIZE	DESCRIPTION	LOAD	Aø	Bø	LOAD	DESCRIPTION	BKR SIZE	CKT NO.		
1	20/		487	1207		720	TWINKLE LIGHT RECEPTS	20/1	2		
3	/2	STREET LIGHTS*	487		1447	960	TWINKLE LIGHT RECEPTS	20/1	4		
5	20/		126	1086		960	STREET LIGHT RECEPTS NORTH	20/1	6		
7	/2	PEDESTRIAN LIGHTS*	126		1086	960	STREET LIGHT RECEPTS SOUTH	20/1	8		
9	20/1	SPARE	0	960		960	PEDESTRIAN LIGHT RECEPTS NORTH	20/1	10		
11	20/1	SPARE	0		720	720	PEDESTRIAN LIGHT RECEPTS SOUTH	20/1	12		
13	20/1	SPARE	0	0		0	SPARE	20/1	14		
15	20/1	SPARE	0		0	0	SPARE	20/1	16		
17	20/1	SPARE	0	0		0	SPARE	20/1	18		
19	20/1	SPARE	0		0	0	SPARE	20/1	20		
21	20/1	SPARE	0	0		0	SPARE	20/1	22		
23	20/1	SPARE	0		200	200	LIGHTING CONTROL	20/1	24		
		CODE TOTAL VA/Ø	•	3253	3453		*INDICATES LOAD @ 125%				
		CODE TOTAL AMPS/Ø		27.1	28.8		22,000 AIC BREAKERS				







#### STREET LIGHT & PEDESTRIAN LIGHT CUT SHEET NO SCALE

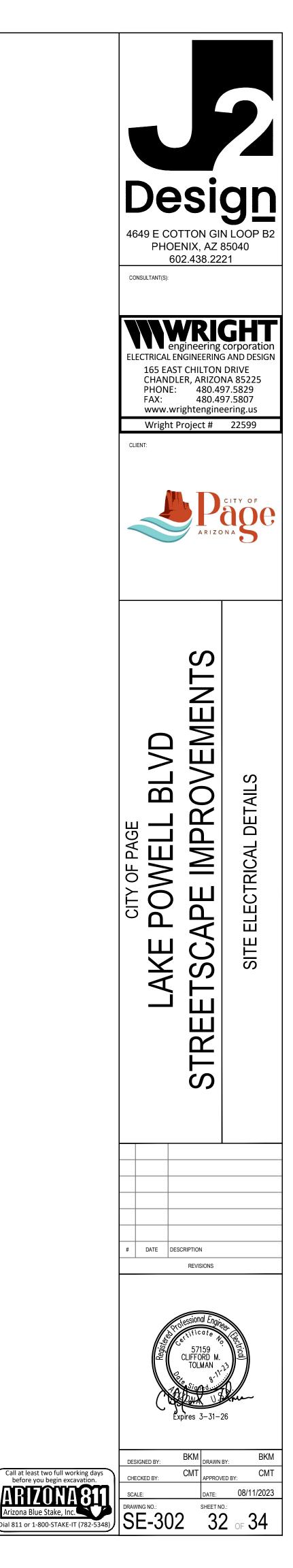


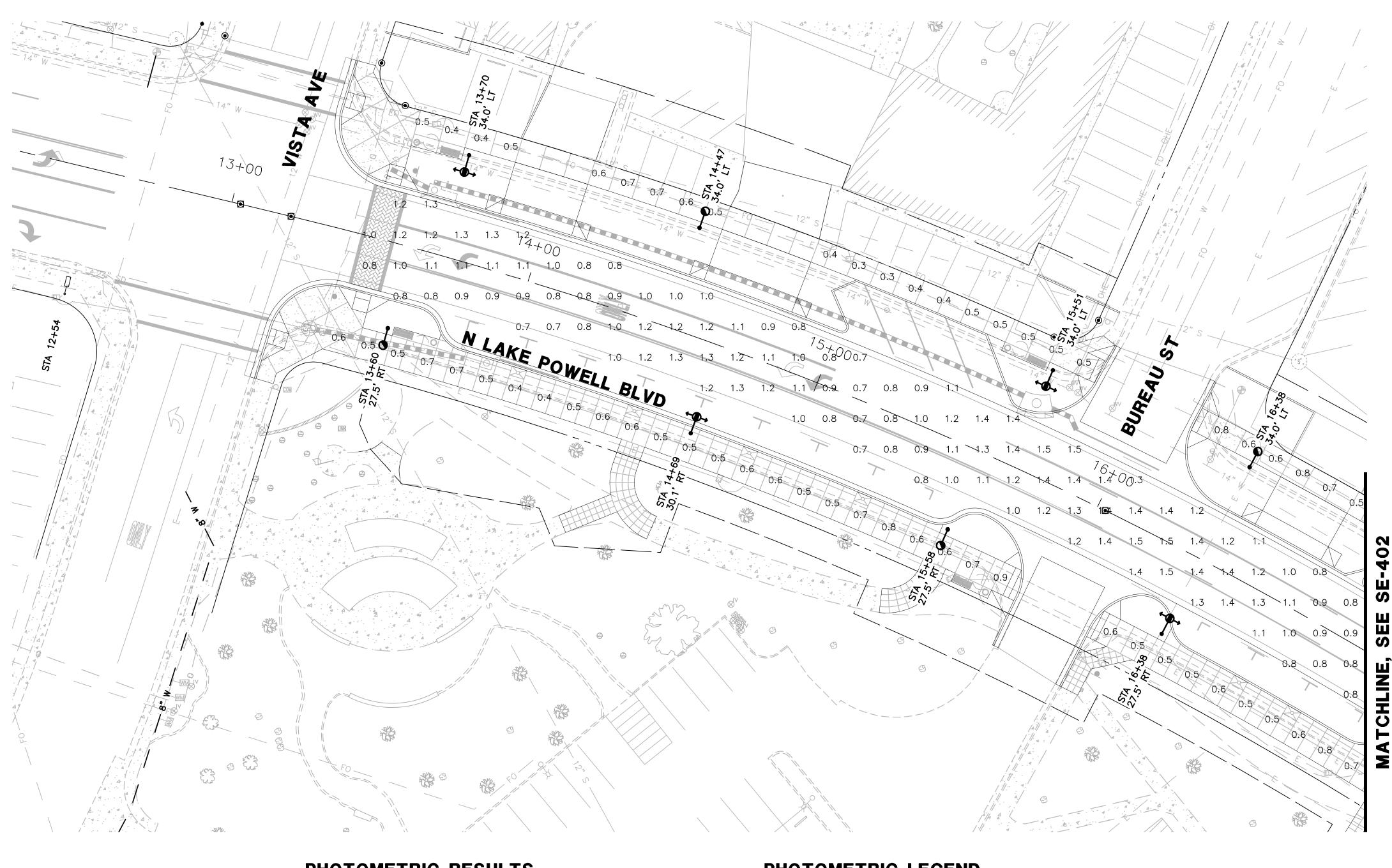
#### TT TopTier

	Color Temperature	Voltage	Distribution		Mounting	Color
Lumens Lumens Lumens I Lumens I Lumens I Lumens I Lumens I Lumens I Lumens al Lumens	735=70 CRI, 3500K CCT 740=70 CRI, 4000K CCT 750=70 CRI, 5000K CCT 830=80 CRI, 3000K CCT AMB=Amber 590nm ¹⁶	U=120-277V H=347-480V ⁴ 1=120V 2=208V 3=240V 4=277V 8=480V ⁴ 9=347V	5CQ=Type 5, 5MQ=Type 5, 5WQ=Type 5, 8W=Rectangu T4=Type 4 ⁵	Medium Wide	PM=Pole Mount	NW=White AP=Gray BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic
_						
rammable, 8' ammable, 21 Bluetooth Pro Daylight, Blue Daylight, Blue t, WAC Progra t,	ht ^{8, 11} oducts List under Family Models fo lity for all applications. Refer to ou th the Buy American Act of 1933 (f requirements. w modes, sensitivity, time delay ar	ng 8,15 ' Mounting 8,15 O' Mounting 8,15 15 8,15 Hounting 8,15 Mounting 8,15 Mounting 8,15 Mounting 8,15 Hounting 8,1	MA1252=Rep OA/RA1016=1 OA/RA1027=1 OA/RA1027=1 OA/RA1014=' MA1036-XX= MA1037-XX= MA1187-XX=' MA1188-XX= MA1189-XX=' MA1190-XX=' MA1039-XX=' MA1039-XX=' MA1039-XX=' MA1039-XX=' MA1039-XX=' MA1039-XX=' MA1039-XX=' MA1039-XX=' MA1039-XX=' MA1039-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA103-XX=' MA10-	VEMA Photoco VEMA Photoco Photocontrol SI 200 Photocon Single Tenon A 2@180° Tenon A 2@120° Tenon A 2@90° Tenon A 200° Tenon	Surge Module ntrol Multi-Tap - 105-26 ntrol - 480V ntrol - 347V horting Cap trol dapter for 2-3/8" 0.D. 1 Adapter for 2-3/8" 0.D. dapter for 2-3/8" 0.D. dapter for 2-3/8" 0.D. dapter for 2-3/8" 0.D. dapter for 2-3/8" 0.D. Adapter for 3-1/2" 0.D. Adapter for 3-1/2" 0.D. Adapter for 3-1/2" 0.D. dapter for 3-1/2" 0.D. dapter for 3-1/2" 0.D. idapter for 3-	Tenon Tenon Tenon Tenon Tenon Tenon Tenon Tenon Tenon Tenon Tenon Cy Sensor ¹⁰ 7-pin) ¹² nd Daylight, nd Daylight, WAC Programmable, d Daylight, WAC Programmable,
	s in appropriate quantities.					
e controls page						
igurability: Orde lumen package	er WAC-PoE and WPOE-120 (10V to D1.	PoE injector) power supply i	f needed. Not required fo	or WaveLinx Lite C	ommercial (LC) application	s.
sensor has an ii	ntegral photocell.					
	<ul> <li>Greater than 90% hours</li> <li>IP66 rated</li> <li>120-277V 50/60H</li> </ul>	lumen maintenance z, 347V 60Hz or 480		hour ratin Warra	salt spray rating   g of 9 per ASTM D nty	CC) available, providing 5,00 per ASTM B117 with a scribe 11654
sing and 3y ,831 only	operation 10kV surge modul 0-10V dimming st Finish 2.5 mil nominal T(	andard			year warranty	

PS50020321 page 2 September 1, 2022 8:37 PM

before you be





N Lake Pow	
217 points	at z=0
217 points HORIZONTAL	FOOTC
Average	1.
Maximum	3.
Minimum	0.
Avg:Min	1.8
Max:Min	5.4
Coef Var	0.4
UnifGrad	1.3

Sidewalks 113 points HORIZONTAL Average Maximum Minimum Avg:Min Max:Min Coef Var	FOOTCAN 0.6 1.5 0.3 2.17 5.00 0.33

### PHOTOMETRIC RESULTS

Ö, sp 10ft by 10ft CANDLES

**CANDLES** 

### PHOTOMETRIC LEGEND

Pedestrian Light candela file 'TT-D1-830-U-T4-PM.ies' 4 lamp(s) per luminaire, photometry is absolute Light Loss Factor = 0.863, watts per luminaire = 29 mounting height= 18 ft number locations= 7, number luminaires= 7 kw all locations= 0.2

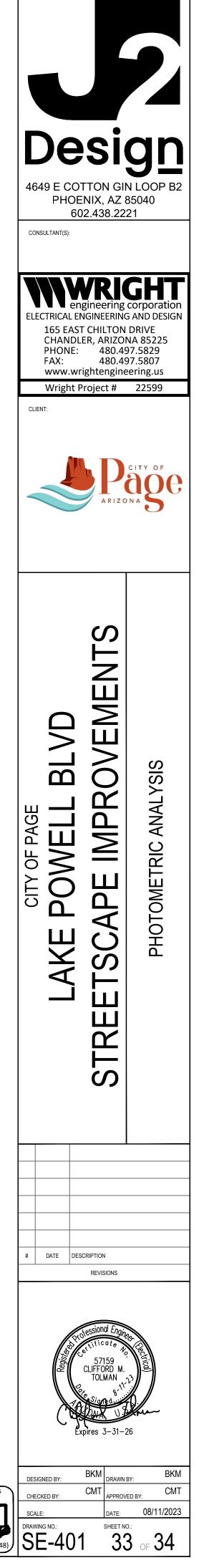
New Street Light candela file 'TT-D6-830-U-T4-PM.ies' 2 lamp(s) per luminaire, photometry is absolute Light Loss Factor = 0.864, watts per luminaire = 97 mounting height= 30 ft number locations= 8, number luminaires= 8 kw all locations= 0.8

Existing Pedestrian Light candela file 'GE8591.IES' •— 1 lamp(s) per luminaire, 6300 initial lumens per lamp Light Loss Factor = 0.820, watts per luminaire = 70 mounting height= 18 ft number locations= 1, number luminaires= 1 kw all locations= 0.1

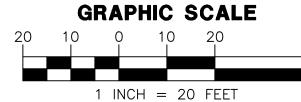
o→p[↑] Traffic Signal Luminaire candela file 'rfm-160w48led3k-g2-r2m.ies' 1 lamp(s) per luminaire, photometry is absolute Light Loss Factor = 0.910, watts per luminaire = 161 mounting height= 40 ft mounting height= 40 ft number locations= 4, number luminaires= 4 kw all locations= 0.6

ROADWAY DESIGN CRITERIA				
STREET	TYPE	PEDESTRIAN CONFLICT	AVG FC	AVG/MIN
N LAKE POWELL BLVD	COLLECTOR	HIGH	1.2	4:1

⊶

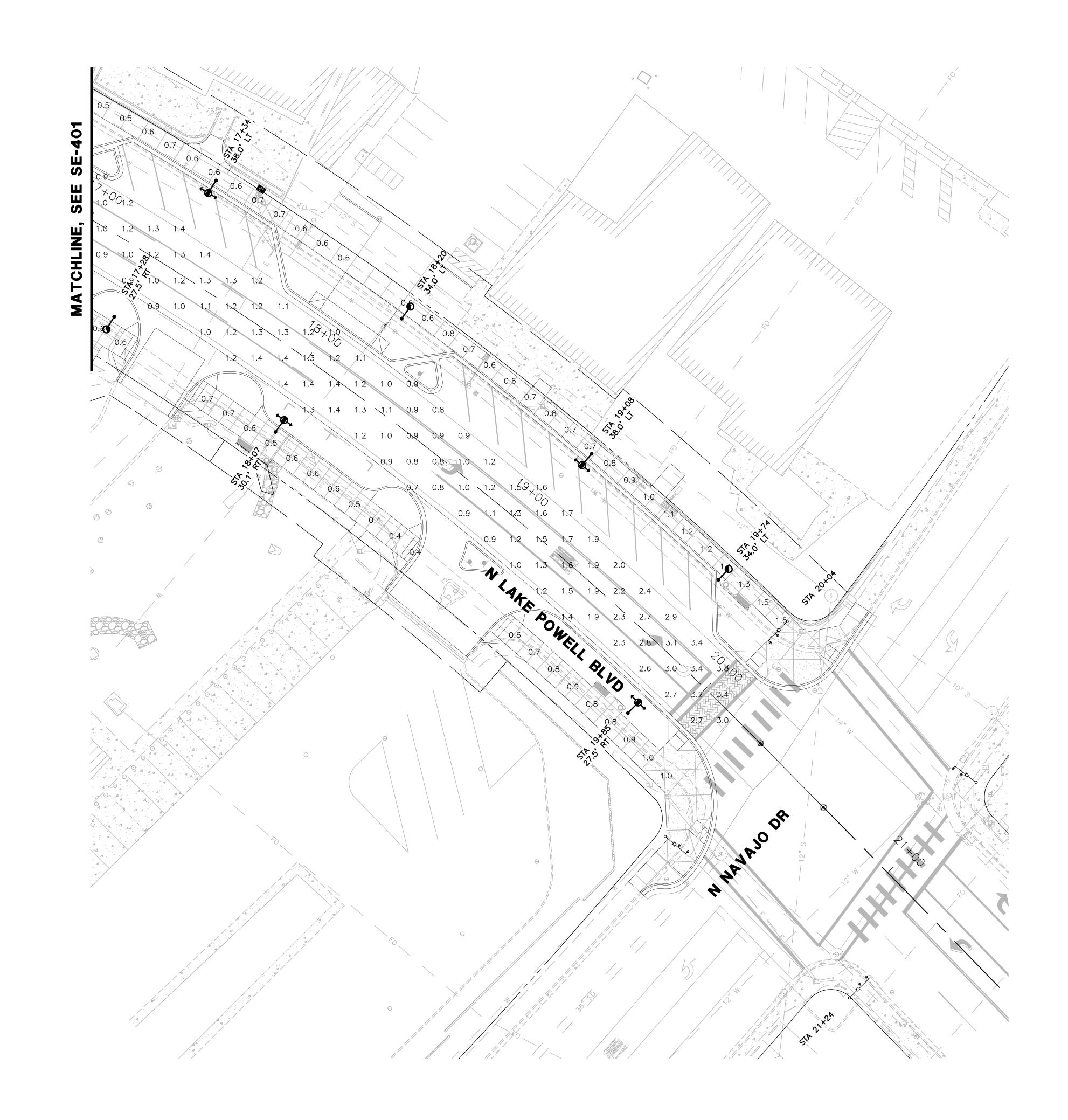












### PHOTOMETRIC RESULTS

N Lake Pow 217 points HORIZONTAL Average Maximum Minimum Avg:Min Max:Min	at z=0, sp FOOTCANDL 1.3 3.8 0.7 1.83	10ft ES	by	10ft
Avg:Min Max:Min	1.83 5.43			
Coef Var	0.43			
UnifGrad	1.38			

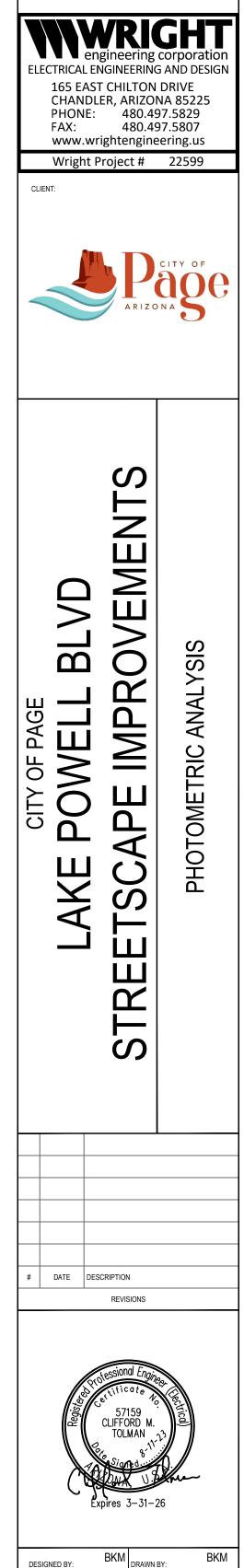
# Sidewalks 113 points HORIZONTAL FOOTCANDLES

TIONIZONIAL	I OOTOANDEL.
Average	0.6
Maximum	1.5
Minimum	0.3
Avg:Min	2.17
Max:Min	5.00
Coef Var	0.33

### PHOTOMETRIC LEGEND

- Pedestrian Light candela file 'TT-D1-830-U-T4-PM.ies' 4 lamp(s) per luminaire, photometry is absolute Light Loss Factor = 0.863, watts per luminaire = 29 mounting height= 18 ft number locations= 7, number luminaires= 7 kw all locations= 0.2
- New Street Light candela file 'TT-D6-830-U-T4-PM.ies' 2 lamp(s) per luminaire, photometry is absolute Light Loss Factor = 0.864, watts per luminaire = 97 mounting height= 30 ft number locations= 8, number luminaires= 8 kw all locations= 0.8 ⊶—●
- Existing Pedestrian Light ←□ candela file 'GE8591.IES' Light Loss Factor = 0.820, watts per luminaire = 70 mounting height= 18 ft number locations= 1, number luminaires= 1 kw all locations= 0.1
- o___a[♠] ↑ Candela file 'rfm-160w48led3k-g2-r2m.ies' andela file 'rfm-160w

ROADWAY DESIGN CRITERIA				
STREET	TYPE	PEDESTRIAN CONFLICT	AVG FC	AVG/MIN
N LAKE POWELL BLVD	COLLECTOR	HIGH	1.2	4:1



CMT

08/11/2023

CMT

ROVED BY

SHEET NO.: 34 OF 34

Design

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602.438.2221

CONSULTANT(S):



