- 2. AGGREGATE BASE COURSE SHALL CONFORM TO PAG SSPI #303.
- 3. ASPHALTIC CONCRETE SHALL CONFORM TO PAG SSPI#406, MIX #2.
- 4. ALL CONCRETE SHALL COMPLY WITH PAG SSPI SECTION 1006, CLASS S 3,000-PSI COMPRESSIVE STRENGTH AT 28 DAYS, UNLESS OTHERWISE SPECIFIED.
- 5. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATIVE REGULATIONS.
- 6. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY GOVERNMENTAL AGENCIES.
- 7. ALL REVISIONS TO THESE PLANS MUST BE APPROVED BY PIMA COUNTY BUILDING DEPARTMENT PRIOR TO CONSTRUCTION.
- 8. A COPY OF APPROVED PLANS SHALL BE KEPT IN AN EASILY ACCESSIBLE LOCATION ONSITE AT ALL TIMES DURING CONSTRUCTION.
- 9. IF UNANTICIPATED CONDITIONS ARE ENCOUNTERED DURING THE COURSE OF CONSTRUCTION AND ARE BEYOND THE SCOPE OF THE DESIGN, THE ENGINEER SHALL SUBMIT THE NECESSARY REVISED OR SUPPLEMENTAL IMPROVEMENT PLANS FOR REVIEW AND APPROVAL BY PIMA COUNTY BUILDING DEPARTMENT.
- 10. NATIVE PLANTS MUST BE FLAGGED AND PROTECTIVE FENCING MUST BE INSTALLED AS REQUIRED BY THE NATIVE PLANT PRESERVATION PLAN PRIOR TO ANY GRADING ACTIVITY.
- 11. A RIGHT-OF-WAY USE PERMIT IS REQUIRED FOR CONSTRUCTION WITHIN PUBLIC RIGHTS-OF-WAY AND PUBLIC DRAINAGE WAYS.
- 12. THE CONTRACTOR SHALL FURNISH, HAUL, AND APPLY ALL WATER REQUIRED FOR COMPACTION AND FOR THE CONTROL OF DUST FROM CONSTRUCTION ACTIVITY.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CARE, MAINTENANCE, REPAIR OR REPLACEMENT OF EXISTING IMPROVEMENTS IN THE WORK AREA WHICH HAVE BEEN REMOVED OR DAMAGED DURING THE COURSE OF CONSTRUCTION. ALL REPAIR REPLACEMENT, OR CLEANUP SHALL BE DONE TO THE SATISFACTION OF THE OWNER.
- 14. OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND RESOLVED BEFORE PROCEEDING WITH THE WORK.
- 15. THE CONTRACTOR SHALL OBTAIN PERMITS INCLUDING THOSE FOR GRADING AND AIR POLLUTION, REQUIRED BY GOVERNMENTAL AGENCIES, NO WORK AS DELINEATED ON THESE PLANS, SHALL BE STARTED UNTIL THE CONTRACTOR HAS OBTAINED THE NECESSARY PERMITS.
- 16. THE CONTRACTOR SHALL LOCATE ALL STRUCTURES, UNDERGROUND PIPELINES, ELECTRICAL AND TELEPHONE CONDUITS, WHETHER SHOWN OR NOT SHOWN ON THE PLANS PRIOR TO CONSTRUCTION, AND SHALL OBSERVE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO THESE FACILITIES.
- 17. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES, INCLUDING EXCAVATION, BORROW EMBANKMENT. SHRINK OR SWELL. GROUND COMPACTION. HAUL. AND ANY OTHER ITEMS AFFECTING THE BID TO COMPLETE THE GRADING TO THE ELEVATIONS SHOWN ON THESE PLANS AND TO BASE THE BID SOLELY UPON HIS OWN CALCULATED QUANTITIES. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION OF ANY MAJOR DISCREPANCIES BETWEEN HIS ESTIMATED QUANTITIES AND THOSE SHOWN ON THE PLANS.
- 18. ALL WORK AND MATERIALS WHICH DO NOT CONFORM TO THESE PLANS ARE
- 19. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR AND EQUIPMENT TO CONSTRUCT/INSTALL THE IMPROVEMENTS SHOWN ON THESE PLANS UNLESS SPECIFICALLY NOTED OTHERWISE.
- 20. THE CONTRACTOR SHALL CALL BLUE STAKE (1-800-782-5348) TO VERIFY LOCATION OF ALL UTILITIES AT LEAST 2 (TWO) WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 21. IF UNANTICIPATED CONDITIONS ARE ENCOUNTERED DURING THE COURSE OF CONSTRUCTION AND ARE BEYOND THE SCOPE OF THE DESIGN, THE ENGINEER SHALL SUBMIT THE NECESSARY REVISED OR SUPPLEMENTAL IMPROVEMENT PLANS FOR REVIEW AND APPROVAL BY DEVELOPMENT SERVICES.
- 22. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE SURVEYOR PROVIDING THE CONSTRUCTION LAYOUT TO VERIFY THE BENCHMARK AND COMPARE THE SITE CONDITIONS WITH THE PLANS AND NOTIFY EEC OF ANY DISCREPANCIES OBSERVED. SHOULD ANY BENCHMARK, GRADE OR DESIGN INDICATED ON THE PLANS BE SUSPECT, EEC SHALL BE NOTIFIED OF SAID BENCHMARK, GRADE OR DESIGN PROBLEM AT LEAST TWENTY-FOUR HOURS BEFORE CONSTRUCTION IS SCHEDULED TO BEGIN ON THE AFFECTED AREA. IF EEC IS NOT NOTIFIED PRIOR TO START OF CONSTRUCTION OF THE AFFECTED AREA, ANY DISCREPANCIES SHALL BE DEEMED

BASIS OF BEARING IS BETWEEN A PK NAIL PIMA DOT DESIGNATION

BASIS OF ELEVATION IS AT A PK NAIL PIMA DOT DESIGNATION G23.

BASIS OF COORDINATES

BASIS OF COORDINATES IS POINT 200: N=448338.66, E=992903.30 ARIZONA STATE PLANE CENTRAL ZONE COORDINATES, N=448338.66, E=992903.30 PROJECT COORDINATES.

.52 CY .6 CY

TOTAL EXPORT. .46 CY

STONE CORRIDOR PARTNERS LLC 117-02-143B

CITY OF TUCSON

117-02-134B

JAN TUCSON VENTURES LLC 117-02-144A

JAN TUCSON VENTURES LLC 117-02-152A

945 N STONE LLC

117-02-1900

THE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE SURVEYOR.

BASIS OF BEARING

G23 AND A PK NAIL PIMA DOT DESIGNATION E23, ARIZONA STATE PLANE CENTRAL ZONE, SAID BEARING BEING SO'59'34"E.

BASIS OF ELEVATION

ELEVATION = 2377.24 FEET NAVD 88.

EARTHWORK QTY.

(QUANTITIES ARE UNADJUSTED FOR SHRINK/SWELL)

PIMA COUNTY COMMUNITY COLLEGE DISTRICT 115-08-115B

TRAN BACH TUNG VU & HZ PROPS RE LTD SCHIESEL DAVID & 115-08-100C LINDA REVOC TR

SPEEDWAY BOULEVARD

(PUBLIC STREET)

39.60'

1/2 ROW BK 1, PG 19

A VENUE STREET)

IMPROVEMENTS BY

SEPARATE PERMIT

SHEET 3 AND 5

DO YEN THI M KIM CP/RS 115-08-1030 LEVARIO ABEL 115-08-1020 115-08-1040

1ST STREET

(PUBLIC STREET)

LA BATE JANET PITTS

117-02-1960

BAGLIONE PERRY C &

LOS ANGELES

117-02-1950

1/2 ROW

VENUI STREE

H JBC

SCALE:1" = 40"CONTOUR INTERVAL = 1 FOOT 20'

ZONE C−1

ZONE HR-2

MAC KENZIE EARLINE G

117-02-1180

BBV INVESTMENT LIMITED

PARTNERSHIP LLLP

117-02-1190

DE LORENZO BARBARA &

DE MAS MICHELLE JT/RS

SIMS MARY ANITA

117-02-1220

WEST UNIVERSITY TOWNHOMES II LLC

117-02-4210

WARREN LARRIE

117-02-1260

BROWN RICHARD MONFORT

LANGFORD REVOC TR

117-02-1270

KENT JUDITH

117-02-2160

PROJECT

LOCATION MAP

A PORTION OF SECTION 12. T-14-S, R-13-E, G&SRMPIMA COUNTY, ARIZONA CITY OF TUCSON, WARD #1 LATITUDE: 32° 14′ 6.315″ LONGITUDE: -110° 58' 15.499" SOURCE OF DATA: PIMA COUNTY MAP GUIDE SCALE: 3" = 1 MILE

SHEET INDEX

COVER GRADING AND UTILITTY PLAN HORZONTAL CONTROL PLAN HORZONTAL CONTROL PLAN LANDSCAPE NOTES IRRIGATION NOTES DEMO PLAN HARDSCAPE PLAN

LANDSCAPE PLAN IRRIGATION PLAN LIGHTING PLAN LANDSCAPE DETAILS

HARDSCAPE DETAILS

HARDSCAPE DETAILS

117-02-121B IRRIGATION DETAILS

OWNER/DEVELOPER

TUCSON PARKS AND RECREATION 900 RANDOLPH WAY TUCSON, AZ 85716 ATTN: TOM FISHER

CIVIL ENGINEER

ENGINEERING & ENVIRONMENTAL CONSULTANTS, INC. 555 E. RIVER ROAD, SUITE 301 TUCSON, ARIZONA 85704 ATTN.: STEFANIE THRUSH, P.E. (520) 321-4625

FAX: (520) 321–0333 EMAIL: sthrush@eeccorp.com

LANDSCAPE ARCHITECT

NORRIS DESIGN 418 N. TOOLE AVE TUCSON, AZ 85701 ATTN: JOSH ORTH, PLA

TEL: (520) 622-9565 EMAIL: jorth@norris-design.com

TUCSON PARKS and RECREATION 900 Randolph Way

OWNER:

7)))

418 North Toole Avenue

www.norris-design.com

Tucson, AZ 85701

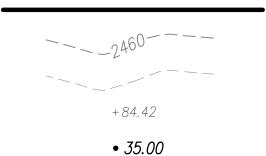
P 520.622.9565

NORRIS DESIGN



Tucson, AZ 85716

LEGEND



• *35.00*

PROPERTY LINE EXISTING CONTOUR (MAJOR)

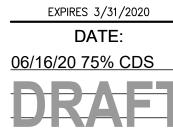
EXISTING CONTOUR (MINOR)

EXISTING SPOT ELEVATION PROPOSED SPOT ELEVATION

ZONE BOUNDARY

GRADING LIMITS EXISTING CONCRETE

NEW CONCRETE



56322 STEFANIE M.Q

SHEET TITLE: COVER

> C-0' SHEET 1 OF 15

SHEET

SITE PLAN

SHAYONA INC 117-02-1980

<u>Residentes causas un un parable s</u>

418 North Toole Avenue Tucson, AZ 85701 P 520.622.9565 www.norris-design.com

NZA PARK

OWNER:

TUCSON PARKS and RECREATION 900 Randolph Way Tucson, AZ 85716



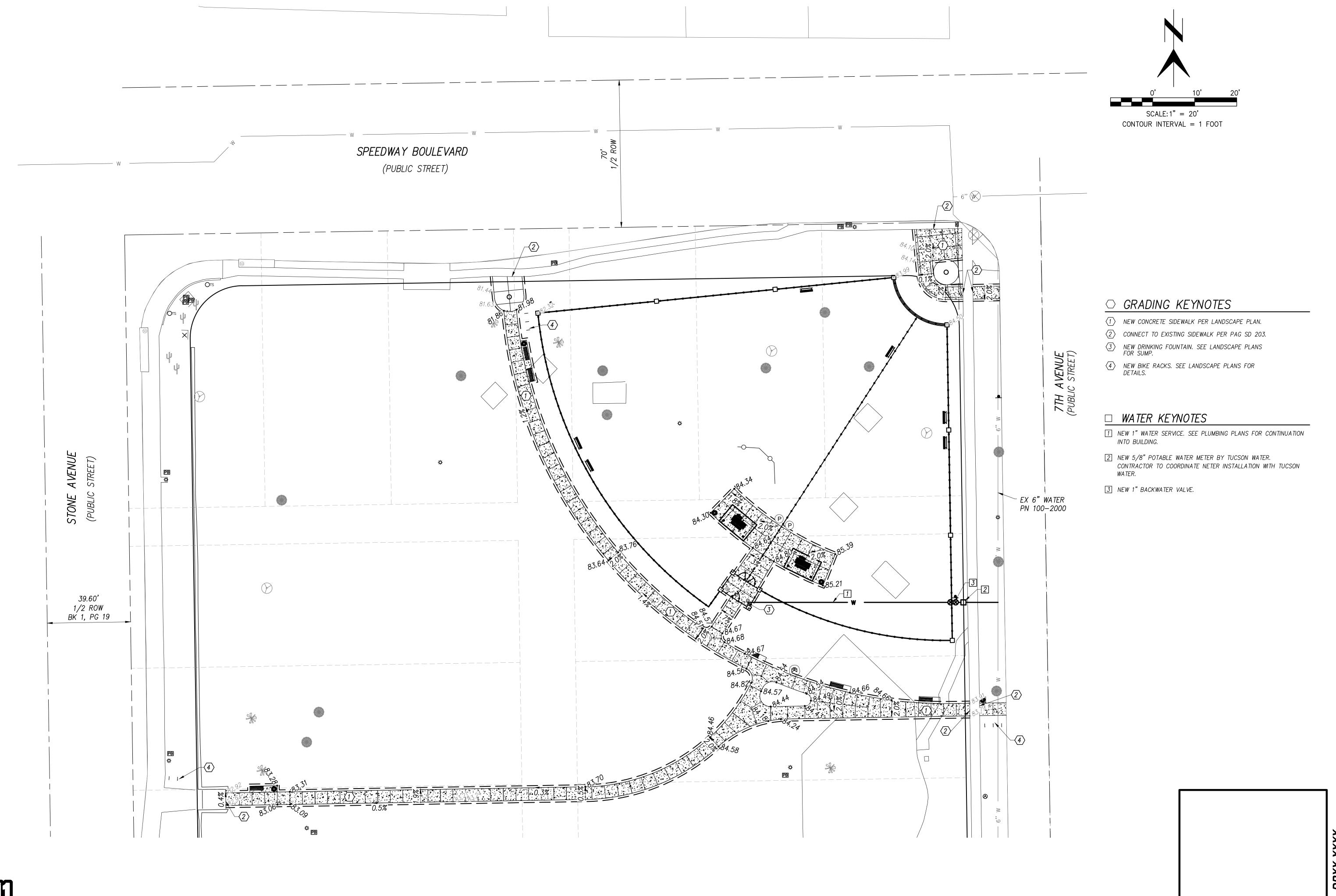
56322
STEFANIE M.O.C.
THRUSH
OF Signed OF SIGN

DRAFI

QUEET TITI E

GRADING 8
UTILITIES

C-02 SHEET 2 OF 15



418 North Toole Avenue Tucson, AZ 85701 P 520.622.9565 www.norris-design.com

ANZA PARK
PHASE 1
TUCSON, AZ

OWNER:

TUCSON PARKS and RECREATION 900 Randolph Way Tucson, AZ 85716





06/16/20 75% CDS

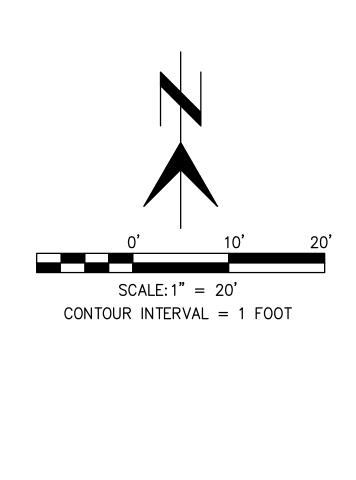
DRAET

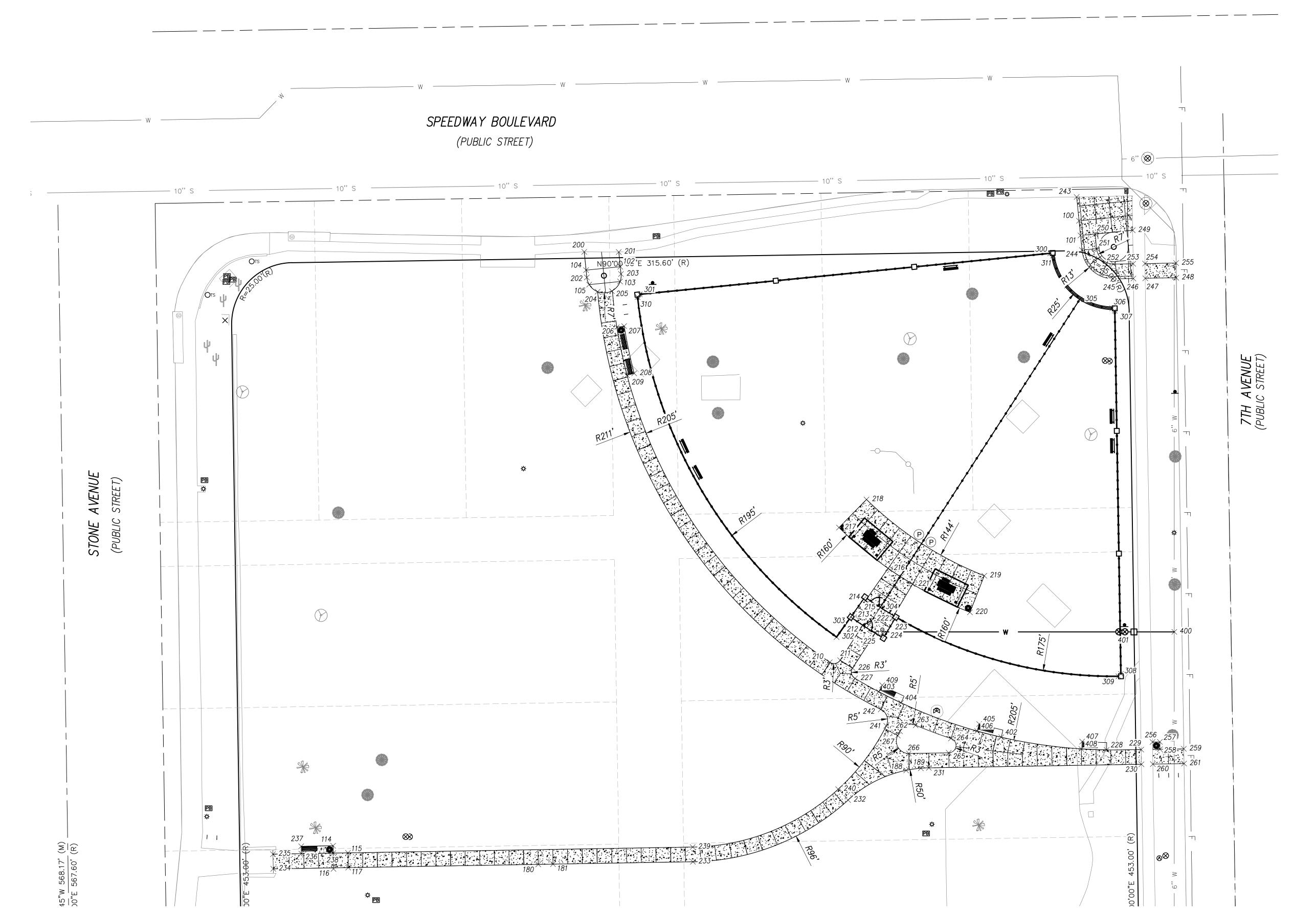
SHEET TITLE:

C-03

CONTROL

SHEET 3 OF 15





SHEET TITLE:
HORIZONTAL

HORIZONTAL CONTROL C-04

SHEET 4 OF 15

Point Table					
Point #	Northing	Easting	Description		
100	450795.33	992564.97	DG PATH		
101	450789.36	992565.57	DG PATH		
102	450776.64	992378.12	DG PATH		
103	450770.60	992378.04	DG PATH		
104	450775.24	992364.19	DG PATH		
105	450769.34	992365.46	DG PATH		
114	450540.65	992261.15	DG PATH		
115	450537.75	992267.20	DG PATH		
116	450531.22	992261.31	DG PATH		
117	450531.75	992267.30	DG PATH		
180	450533.05	992344.72	DG PATH		
181	450533.16	992350.72	DG PATH		
188	450571.36	992494.55	DG PATH		
189	450572.23	992500.54	DG PATH		
200	450782.69	992363.44	HARDSCAPE		
201	450782.64	992377.52	HARDSCAPE		
202	450772.26	992364.48	HARDSCAPE		
203	450773.65	992378.41	HARDSCAPE		
204	450766.44	992368.89	HARDSCAPE		
205	450766.66	992374.70	HARDSCAPE		
206	450751.96	992376.73	HARDSCAPE		
207	450752.44	992379.69	HARDSCAPE		
208	450733.17	992383.78	HARDSCAPE		
209	450732.40	992380.88	HARDSCAPE		
210	450615.42	992463.46	HARDSCAPE		
211	450616.27	992467.67	HARDSCAPE		
212	450630.49	992476.88	HARDSCAPE		
213	450634.66	992472.57	HARDSCAPE		
214	450641.19	992477.20	HARDSCAPE		
215	450640.61	992478.02	HARDSCAPE		
216	450653.70	992487.21	HARDSCAPE		
217	450670.32	992467.21	HARDSCAPE		
218	450681.75	992478.40	HARDSCAPE		
219	450650.68	992526.39	HARDSCAPE		
220	450635.79	992520.53	HARDSCAPE		
221	450647.25	992497.19	HARDSCAPE		
222	450633.50	992489.00	HARDSCAPE		
223	450632.99	992489.86	HARDSCAPE		

		,	
	Poin	t Table	
Point #	Northing	Easting	Description
224	450626.09	992485.80	HARDSCAPE
225	450627.26	992481.93	HARDSCAPE
226	450613.06	992472.73	HARDSCAPE
227	450608.85	992473.71	HARDSCAPE
228	450579.71	992576.20	HARDSCAPE
229	450579.85	992590.29	HARDSCAPE
230	450573.85	992590.40	HARDSCAPE
231	450572.39	992503.83	HARDSCAPE
232	450559.28	992470.91	HARDSCAPE
233	450534.11	992407.71	HARDSCAPE
234	450531.24	992236.77	HARDSCAPE
235	450537.24	992236.65	HARDSCAPE
236	450537.43	992248.20	HARDSCAPE
237	450540.42	992248.15	HARDSCAPE
238	450537.65	992261.20	HARDSCAPE
239	450540.11	992407.61	HARDSCAPE
240	450563.71	992466.86	HARDSCAPE
241	450589.51	992486.42	HARDSCAPE
242	450596.23	992484.21	HARDSCAPE
243	450805.05	992564.00	HARDSCAPE
244	450783.39	992566.16	HARDSCAPE
245	450771.69	992578.79	HARDSCAPE
246	450771.83	992587.12	HARDSCAPE
247	450771.91	992591.96	HARDSCAPE
248	450772.13	992604.57	HARDSCAPE
249	450791.49	992586.83	HARDSCAPE
250	450789.96	992571.54	HARDSCAPE
251	450783.99	992572.13	HARDSCAPE
252	450777.69	992578.93	HARDSCAPE
253	450777.83	992587.02	HARDSCAPE
254	450777.91	992591.86	HARDSCAPE
255	450778.12	992604.51	HARDSCAPE
256	450582.93	992594.90	HARDSCAPE
257	450582.98	992597.89	HARDSCAPE
258	450579.98	992597.94	HARDSCAPE
259	450580.14	992607.66	HARDSCAPE

260 450573.93 992595.04 HARDSCAPE

261 450574.14 992607.76 HARDSCAPE

Point Table					
Point #	Northing	Easting	Description		
262	450587.33	992492.04	HARDSCAPE		
263	450589.72	992498.43	HARDSCAPE		
264	450584.37	992512.80	HARDSCAPE		
265	450578.53	992511.91	HARDSCAPE		
266	450578.25	992495.66	HARDSCAPE		
267	450585.57	992491.15	HARDSCAPE		
300	450782.10	992553.22	FENCE		
301	450765.37	992386.06	FENCE		
302	450625.69	992466.20	FENCE		
303	450633.03	992471.41	FENCE		
304	450637.79	992483.99	FENCE		
305	450763.28	992565.24	FENCE		
306	450759.69	992578.51	FENCE		
307	450758.69	992579.54	FENCE		
308	450610.71	992582.03	FENCE		
309	450609.70	992581.04	FENCE		
310	450764.28	992385.17	FENCE		
311	450781.16	992554.35	FENCE		
400	450627.81	992603.78	WTR SERVICE		
401	450627.83	992583.65	BACKWATER VALVE		
402	450584.87	992533.31	HARDSCAPE		
403	450603.40	992483.39	HARDSCAPE		
404	450598.89	992492.48	HARDSCAPE		
405	450590.27	992524.29	HARDSCAPE		
406	450587.38	992523.48	HARDSCAPE		
407	450583.09	992566.25	HARDSCAPE		
408	450580.11	992565.89	HARDSCAPE		
409	450606.06	992484.79	HARDSCAPE		

GENERAL NOTES

- OWNER/DEVELOPER: CITY OF TUCSON PARKS AND RECREATION 900 S. RANDOLPH WAY
- TUCSON, AZ 85716 PARCEL# THE EXISTING ZONING IS R-1. NO ZONING CHANGE REQUESTED FOR THIS PROJECT
- THE EXISTING USE IS OPEN SPACE AND RECREATION. THERE IS NOT A CHANGE IN THE PROPOSED USE OF THE DEVELOPMENT.
- 4. THE GROSS SITE AREA IS **SF** (ACRES).
- THE TOTAL BUILDING GFA IS SF. THE TOTAL PAVED AREA IS SF ±.
- THE TOTAL DISTURBED AREA FOR THIS DEVELOPMENT IS APPROXIMATELY SF.
- DRAINAGE WILL REMAIN IN ITS NATURAL STATE AND WILL NOT BE ALTERED, DISTURBED, OR OBSTRUCTED OTHER THAN AS SHOWN ON THIS SITE PLAN
- NO STRUCTURE OR VEGETATION SHALL BE LOCATED OR MAINTAINED SO AS TO INTERFERE WITH THE SIGHT VISIBILITY TRIANGLES IN ACCORDANCE WITH SEC. 10-01.5.0. SIGHT VISIBILITY. OF THE TECHNICAL STANDARDS MANUAL.
- 9. ANY RELOCATION, MODIFICATION, ETC., OF EXISTING UTILITIES AND/OR PUBLIC IMPROVEMENTS NECESSITATED BY THE PROPOSED DEVELOPMENT WILL BE AT NO EXPENSE TO THE PUBLIC.
- 10. THE CONTRACTOR SHALL FOLLOW THE LANDSCAPE PLAN AS CLOSELY AS POSSIBLE. ANY DISCREPANCY IN THE PLAN VS. THE FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- 11. SIGHT VISIBILITY TRIANGLES SHALL BE CLEAR OF LANDSCAPING AND OTHER VISIBILITY OBSTRUCTIONS WITH A HEIGHT GREATER THAN 2 FEET. TREES WITHIN THE SIGHT VISIBILITY TRIANGLES SHALL HAVE A CANOPY THAT BEGINS AT 6 FEET IN HEIGHT UPON INSTALLATION.
- 12. LOCATION OF ALL ELEMENTS ON THIS PLAN SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE, PRIOR TO INSTALLATION.
- 13. ALL DISTURBED, GRUBBED, GRADED OR BLADED AREAS NOT OTHERWISE IMPROVED SHALL BE LANDSCAPED, RESEEDED, OR TREATED WITH AN INORGANIC OR ORGANIC GROUNDCOVER.
- 14. WRITTEN DIMENSIONS WILL TAKE PRECEDENCE OVER SCALED DIMENSIONS
- 15. THE CONTRACTOR SHALL TAKE EXTREME CARE WHILE WORKING WITHIN THE PROJECT AREA AS TO NOT DISTURB ANY EXISTING UTILITIES OR STRUCTURES ON OR ADJACENT TO THE PROJECT AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING AND OR REPAIRING ANY EXISTING STRUCTURES OR UTILITIES DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- 16. ALL WORK SHALL BE CONFINED TO THE AREA WITHIN THE LIMIT OF WORK AS SHOWN ON THE PLANS. ANY AREAS OR IMPROVEMENTS DISTURBED OUTSIDE THESE LIMITS SHALL BE REVEGETATED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. IN THE EVENT THE CONTRACTOR REQUIRES A MODIFICATION TO THE CONSTRUCTION LIMITS, WRITTEN PERMISSION MUST BE OBTAINED FROM THE OWNER'S REPRESENTATIVE PRIOR TO ANY DISTURBANCE OUTSIDE OF THE LIMITS OF WORK.
- NOTIFY THE PROJECT REPRESENTATIVE 48 HOURS IN ADVANCE OF ANY INSPECTIONS AND / OR APPROVALS OF LANDSCAPE MATERIAL AND IRRIGATION PRODUCTS PRIOR TO INSTALLATION.
- 18. THE CONTRACTOR SHALL WARRANTY THE WORKMANSHIP FOR A MINIMUM PERIOD OF ONE
- 19. CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING EROSION CONTROL MEASURES ON

SLOPES EXCEEDING 3:1 OR AS DEFINED BY THE SWPPP

- 20. CONTRACTOR TO OBTAIN A RIGHT OF WAY EXCAVATION PERMIT PRIOR TO CONSTRUCTION WITHIN THE RIGHT-OF-WAY.
- 21. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL THE WORK INDICATED ON THE LANDSCAPE DOCUMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR CAREFUL SITE INSPECTION, DETAILED REVIEW OF THE PLANS, AND COORDINATION WITH OTHER CONTRACTORS ON-SITE PRIOR TO ANY INSTALLATION. ANY DISCREPANCIES SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE CITY OF TUCSON PROJECT MANAGER.
- 22. CONTRACTOR TO VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO ANY INSTALLATION. EXISTING UTILITIES SHOWN ON THESE PLANS HAVE BEEN LOCATED ACCORDING TO INFORMATION PROVIDED BY THE AGENCY OPERATING EACH UTILITY. CALL BLUE STAKE FOR FIELD LOCATION AT 1-800-782-5348. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN OR NOT ON THE DRAWING, SHALL BE REPAIRED/REPLACED AT THE CONTRACTOR'S EXPENSE.
- 23. ALL WORK SHALL BE CONFINED TO THE AREA WITHIN THE CONSTRUCTION LIMITS AS SHOWN ON THE PLANS. ANY AREAS OR IMPROVEMENTS DISTURBED OUTSIDE THESE LIMITS SHALL BE REVEGETATED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. IN THE EVENT THE CONTRACTOR REQUIRES A MODIFICATION TO THE CONSTRUCTION LIMITS. WRITTEN PERMISSION MUST BE OBTAINED FROM THE CITY OF TUCSON PROJECT MANAGER PRIOR TO ANY DISTURBANCE OUTSIDE OF THE LIMITS OF WORK.
- 24. CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING EROSION CONTROL MEASURES ON SLOPES EXCEEDING 3:1.
- 25. ALL GRADING AND DRAINAGE SHALL BE IN ACCORDANCE WITH THE PLANS PREPARED BY THE PROJECT CIVIL ENGINEER, OR AS DIRECTED BY THE CITY OF TUCSON PROJECT MANAGER. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES IN ALL CONDITIONS. THE CONTRACTOR TO MEET ALL EXISTING GRADES AT PROJECT BOUNDARIES. ROUGH GRADE SHALL BE 3" BELOW THE TOP OF ADJACENT WALKS AND CURBS PRIOR TO RECEIVING MULCH OR DECOMPOSED GRANITE.
- 26. ALL AREAS DISTURBED DURING CONSTRUCTION TO BE FINE GRADED. ADJACENT UNDISTURBED AREAS DAMAGED OR DISTURBED TO BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- 27. A COPY OF THIS PLAN SHALL BE KEPT IN AN EASILY ACCESSIBLE LOCATION ON THE SITE AT ALL TIMES DURING CONSTRUCTION.
- 28. PLANT COVER/DUST CONTROL: ALL DISTURBED, GRUBBED, GRADED OR BLADED AREAS NOT OTHERWISE IMPROVED SHALL BE LANDSCAPED, RE-SEEDED, OR TREATED WITH AN INORGANIC OR ORGANIC GROUND COVER TO HELP REDUCE DUST POLLUTION. REFER TO SECTION 3.7.2.7 OF THE CITY OF TUCSON LAND USE CODE.
- 29. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH, HAUL AND APPLY ALL WATER REQUIRED FOR COMPACTION AND FOR THE CONTROL OF DUST FROM CONSTRUCTION ACTIVITY. IF CONSTRUCTION WATER IS NOT AVAILABLE IN THE AREA, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CONSTRUCTION WATER.
- 30. IF ANY HUMAN REMAINS OR FUNERARY ITEMS ARE DISCOVERED DURING CONSTRUCTION, OR AT ANY TIME, ALL WORK MUST STOP IN THE AREA OF THE REMAINS AND ARIZONA STATE MUSEUM SHALL BE NOTIFIED AT (520) 621-4795 IMMEDIATELY PURSUANT TO A.RS. §41-865 AND A.RS. §41-844.

GENERAL LANDSCAPE NOTES

MATERIALS.

- 1. THE CONTRACTOR SHALL FOLLOW THE IMPROVEMENT PLAN AS CLOSELY AS POSSIBLE. ANY DISCREPANCY IN THE PLAN VERSUS THE FIELD CONDITIONS SHALL BE REPORTED TO THE CITY OF TUCSON PROJECT MANAGER IMMEDIATELY.
- 2. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS
- THE CONTRACTOR SHALL CALL ARIZONA 811 AT LEAST TWO WORKING DAYS PRIOR TO START OF WORK TO HAVE EXISTING UTILITIES MARKED. EXTREME CARE SHALL BE USED WHILE WORKING WITHIN THE PROJECT AREA AS TO NOT DISTURB ANY EXISTING UTILITIES OR STRUCTURES ON OR ADJACENT TO THE PROJECT AREA THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING AND OR REPAIRING ANY EXISTING STRUCTURES OR UTILITIES DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE CITY OF TUCSON. SEE GENERAL UTILITY NOTES.
- 4. THESE IMPROVEMENT PLANS ARE DESIGNED TO MEET THE REQUIREMENTS AND INTENTIONS OF THE FOLLOWING PLANS AND ORDINANCES: CITY OF TUCSON STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC IMPROVEMENTS, 2003.
- LOCATION OF ALL ELEMENTS ON THIS PLAN SHALL BE APPROVED BY THE CITY OF TUCSON PROJECT MANAGER PRIOR TO INSTALLATION.
- 6. NOTIFY THE CITY OF TUCSON PROJECT MANAGER 72 HOURS IN ADVANCE OF ANY INSPECTIONS AND / OR APPROVALS OF LANDSCAPE MATERIAL AND IRRIGATION PRODUCTS PRIOR TO INSTALLATION.
- 7. ALL DISTURBED, GRUBBED, GRADED OR BLADED AREAS NOT OTHERWISE IMPROVED SHALL BE LANDSCAPED, RESEEDED, OR TREATED WITH AN INORGANIC OR ORGANIC GROUNDCOVER
- 8. ALL REFUSE, DEBRIS AND EXCESS INERT MATERIALS SHALL BE DISPOSED OF OFF SITE IN A LEGAL MANNER. SITE SHALL BE LEFT CLEAN AND FREE OF ALL CONSTRUCTION RELATED
- 9. DRAINAGE WILL REMAIN IN ITS EXISTING STATE AND WILL NOT BE ALTERED, DISTURBED, OR OBSTRUCTED OTHER THAN AS SHOWN ON THIS SITE PLAN.
- 10. ALL PAVING (SIDEWALKS, PADS) SHALL MEET DESIGN AND CONSTRUCTION REQUIREMENTS OF THE CITY OF TUCSON STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC IMPROVEMENTS 2003.
- 11. ALL PAVING (SIDEWALKS, PADS) SHALL MEET DESIGN AND CONSTRUCTION REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).
- 12. ALL WORK SHALL BE CONFINED TO THE AREA WITHIN THE CONSTRUCTION LIMITS AS SHOWN ON THE PLANS. ANY AREAS OR IMPROVEMENTS DISTURBED OUTSIDE THESE LIMITS SHALL BE REVEGETATED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. IN THE EVENT THE CONTRACTOR REQUIRES A MODIFICATION TO THE CONSTRUCTION LIMITS, WRITTEN PERMISSION MUST BE OBTAINED FROM THE CITY OF TUCSON PROJECT MANAGER PRIOR TO ANY DISTURBANCE OUTSIDE OF THE LIMITS OF WORK.
- 13. THE CONTRACTOR SHALL WARRANTY ALL WORK FOR A PERIOD OF TWO (2) YEARS.
- THE CONTRACTOR SHALL PLACE FENCING AROUND ALL ARCHEOLOGICAL SENSITIVE AREAS.

CITY OF TUCSON DEPARTMENT OF TRANSPORTATION

STANDARD NOTES FOR PLANTING IN ROW

- 1. IT IS THE OWNER'S RESPONSIBILITY TO KEEP THE SIGHT VISIBILITY TRIANGLES (SVT), AND THE PEDESTRIAN ACCESS AREA CLEAR OF VEGETATION AT ALL TIMES, PER LAND USE CODE (LUC) SECTION.
- 2. IT IS THE OWNER RESPONSIBILITY TO KEEP A 5' WIDE BY 7' TALL CLEAR PEDESTRIAN ACCESS OPEN ACROSS THE ENTIRE PROPERTY.
- IT IS THE OWNER RESPONSIBLE TO KEEP VEGETATION FROM GROWING PAST THE CURB LINE CLEAR, AND KEEP A 15' HIGH CLEAR ZONE OVER THE TRAVEL LANE.
- 4. FINAL PLANT LOCATIONS MUST BE IN COMPLIANCE WITH ALL UTILITY SETBACK REQUIREMENTS. 5. THE OWNER UNDERSTANDS THAT IF THE CITY OF TUCSON TRANSPORTATION DEPARTMENT OR ANY UTILITY COMPANY NEEDS TO WORK WITHIN THE ROW IN THE LANDSCAPED AREA, PLANTS AND IRRIGATION MAY BE DESTROYED WITHOUT REPLACEMENT OR REPAIR.
- 6. THE OWNER TAKES FULL LIABILITY FOR THIS LANDSCAPE AND IRRIGATION, AND ANY DAMAGI TO ROADWAY, SIDEWALK AND UTILITIES.
- 7. THE ONLY PRIVATE IRRIGATION EQUIPMENT THAT IS ALLOWED WITHIN THE ROW ARE LATERAL LINES, TUBING AND EMITTERS THAT ARE NOT UNDER CONSTANT PRESSURE. ALL OTHER EQUIPMENT MUST BE ON PRIVATE PROPERTY. (EXCLUDING WATER METER)
- 8. CONTRACTOR TO OBTAIN A RIGHT OF WAY PERMIT PRIOR TO CONSTRUCTION WITHIN THE RIGHT-OF-WAY.

SURFACING SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	QTY.
, , , , , , , , , , , , , , , , , , ,	EXISTING CONCRETE		
, A	CONCRETE COLOR: STANDARD GRAY FINISH: MEDIUM BROOM	1/L-14	4,490 SF
+ + + + + + + + + + + + + + + + + + +	CONCRETE COLOR: DAVIS COLORS, KAILUA FINISH: MEDIUM BROOM	1/L-14	2,157 SF
	DECORATIVE GRAVEL DEPTH: 2" COLOR: DESERT GOLD SIZE: 1/2" SCREENED SUPPLIER: KALAMAZOO MATERIALS INC.	4/L-13	13,275 SF
	COMPACTED DECOMPOSED GRANITE COLOR: DESERT GOLD SIZE: 3/8" MINUS SUPPLIER: KALAMAZOO MATERIALS INC.	5/L-13	1,133 SF

SITE AMENITIES SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	QTY.
	ADA CONCRETE PICNIC TABLE MODEL: QLBT102PTADA MANUFACTURER: QCP COLOR: ADOBE TAUPE		2
©	TRASH RECEPTACLE MODEL: QR-CAL2436W-A19 MANUFACTURER: QCP COLOR: ADOBE TAUPE		5
=	6' SOLID MOUNT PARK BENCH WITH BACK MODEL: MPPR4406SM MANUFACTURER: ARIZONA CORRECTIONAL INDUSTRIES COLOR: POWDERCOAT, SIGNAL BROWN RAL 8002		6
	6' EXPANDED METAL BENCH WITH DIVIDERS MANUFACTURER: ARIZONA CORRECTIONAL INDUSTRIES COLOR: POWDERCOAT, SIGNAL BROWN RAL 8002 SURFACE MOUNT		6
I	BIKE RACK MANUFACTURER: ARIZONA CORRECTIONAL INDUSTRIES COLOR: POWDERCOAT, SIGNAL BROWN RAL 8002 IN-GROUND MOUNT		8
+	LEASH POST MODEL: PBARK-480 MANUFACTURER: BARK PARK COLOR: GREEN		
P	PET WASTE STATION WITHOUT RECEPTACLE MODEL: PBARK-488 MANUFACTURER: BARK PARK COLOR: GREEN		2
8	DOG DRINKING FOUNTAIN MODEL: 300 SMSS MANUFACTURER: MDF COLOR: GREEN	3/L-15	
g g	10'X15' SHADE RAMADA MANUFACTURER: ARIZONA CORRECTIONAL INDUSTRIES COLOR: POWDERCOAT, SIGNAL BROWN RAL 8002		2
0	ART PEDESTAL AND INSTALLATION, BY OTHERS		2

SITE AMENITY NOTES

1. INSTALL ALL SITE AMENITIES PER MANUFACTURER'S SPECIFICATIONS / INSTRUCTIONS.

HARDSCAPE KEYNOTES

SYMBOL	DESCRIPTION	DETAIL	QTY.
1	CONCRETE HEADER	3/L-14	622 LF
2	THICKENED EDGE CONCRETE	2/L-14	43 LF
3	MASONRY COLUMN WITH STONE VENEER, TYP.	4/L-14	12 EA
4	MASONRY WALL WITH DECORATIVE FENCE	5/L-14	35 LF
5	DOG PARK DECORATIVE FENCE, TYP.	6/L-14	78 LF
6	1" CHAIN LINK FENCE	1/L-15	787 LF
7	DOG PARK DECORATIVE GATE, TYP.	2/L-15	3

LANDSCAPE SCHEDULE

SYMBOL TREES - DETAIL 1/L-13	BOTANICAL NAME	COMMON NAME	SIZE	QTY.
	Pinus eldarica	Eldarica Pine	25 GAL. SINGLE	
•	Prosopis hybrid 'Leslie Roy' PP23360	Leslie Roy Thornless Mesquite	25 GAL. SINGLE	
•	Quercus buckleyi	Texas Red Oak	25 GAL. SINGLE	
	Ulmus parvifolia 'Drake'	Drake Evergreen Elm	25 GAL. SINGLE	
SHRUBS - DETAIL 2/L-13		.	T	1
•	Calliandra californica	Baja Fairyduster	5 GAL.	,
	Justicia spicigera Leucophyllum langmaniae 'Lynn's Legacy'	Mexican Honeysuckle Lynn's Legacy Texas Ranger	5 GAL. 5 GAL.	
ACCENTS - DETAIL 3/L-13				
K	Agave weberi	Weber's Agave	5 GAL.	
*	Dasylirion wheeleri	Desert Spoon	5 GAL.	
	Hesperaloe funifera	Giant Hesperaloe	5 GAL.	
\triangle	Hesperaloe parviflora	Red Yucca	5 GAL.	
\odot	Muhlenbergia rigens	Deer Grass	5 GAL.	
GROUNDCOVER - DETAIL 2	2/L-13	T		· -
<u></u>	Lantana x 'New Gold'	New Gold Lantana	1 GAL.	
BOULDERS - DETAIL 6/L-13	2'x2'x2' Apache Brown Bould	ler or Approved Equal from Kalan	nazoo	
ð	Materials			

<u>Jo Dillillo.</u>	JI ILDULL		
SYMBOL	DESCRIPTION	DETAIL	QTY
-\$-	POLE LIGHT		1
<u>.</u>	WALL LIGHT		4

LIGHTING NOTES

- 1. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO INSTALL THE LIGHTING IMPROVEMENTS SHOWN ON THE PLANS.
- 2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT A THOROUGH SITE INSPECTION AND REVIEW OF THE PROJECT CONSTRUCTION DOCUMENTS INCLUDING BUT NOT LIMITED TO THE FOLLOWING: LANDSCAPE PLAN, CIVIL / GRADING PLAN AND ALL OTHER ASSOCIATED PLANS THAT AFFECT THIS WORK PRIOR TO BEGINNING CONSTRUCTION. IF THE CONTRACTOR OBSERVES ANY DISCREPANCIES AMONG THE CONSTRUCTION DOCUMENTS AND THE EXISTING CONDITIONS ON SITE, IT IS THEIR RESPONSIBILITY TO CONTACT THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- 3. THE CONTRACTOR MUST VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. IF THE CONTRACTOR FAILS TO DO SO AND DAMAGES ANY UNDERGROUND UTILITIES THROUGH THE COURSE OF HIS WORK THE LIGHTING CONTRACTOR SHALL PAY FOR ANY REPAIR WORK ASSOCIATED WITH SAID DAMAGES.
- 4. THE CONTRACTOR SHALL CONFORM TO ALL LOCAL AND STATE REGULATIONS AND INSTALL THE LIGHTING SYSTEM AND ITS COMPONENTS PER THE MANUFACTURER'S SPECIFICATIONS. THE CONTRACTOR SHALL OBTAIN AND PROVIDE PAYMENT FOR ALL PERMITS REQUIRED BY ANY LOCAL AND STATE AGENCIES AND UTILITY COMPANIES HAVING JURISDICTION OVER THIS SITE

NORRIS DESIGN

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DATE: 06/16/20 75% CD'S

SHEET TITLE: LANDSCAPE NOTES

L-0' SHEET 5 OF 15

- 1. POINT OF CONNECTION: THE POINT OF CONNECTION IS A NEW 8" SERVICE WITH A 6" WATER METER PROVIDED BY TUCSON WATER TO BE LOCATED AT THE SOUTHWEST CORNER OF THE PROPOSED PARKING AREA. CONNECT TO THE EXISTING 8" DUCTILE IRON SERVICE LINE DOWNSTREAM OF THE NEW 6" PRESSURE REDUCING VALVE (PROVIDED BY TUCSON WATER) WITH DUCTILE IRON FITTINGS, TRANSITION TO 8" C900 PVC MAINLINE AND EXTEND TO MASTER VALVE AND FLOW SENSOR LOCATIONS AS SHOWN ON THE PLANS.
- 2. THE CONTRACTOR SHALL COORDINATE ALL WORK AT THE POINT OF CONNECTION WITH TUCSON WATER AND CITY OF TUCSON PROJECT MANAGER. CONFORM TO ALL LOCAL CODES, OBTAIN AND PROVIDE PAYMENT FOR ALL PERMITS ASSOCIATED WITH THIS WORK.
- 3. CONTROLLER LOCATIONS: THERE IS ONE (1) CONTROLLERS ON THIS PROJECT
- a. CONTROLLER 1: WALL MOUNTED LOCATED AND LOCATED IN THE SERVICE ROOM OF THE RESTROOM BUILDING.
- b. ALL CONTROLLERS SHALL BE RAINMASTER DX SERIES CONVENTIONAL WIRE CONTROLLERS WITH COMMUNICATION MODULES AND CONNECTIONS COMPATIBLE WITH THE EXISTING CITY OF TUCSON PARKS CENTRAL CONTROL SYSTEM
- c. THE CONTRACTOR SHALL COORDINATE WITH CITY OF TUCSON PROJECT MANAGER FOR ALL COMMUNICATION REQUIREMENTS PRIOR TO PURCHASE AND INSTALLATION OF ANY CONTROLLER OR RELATED EQUIPMENT AND THE ELECTRICAL PLANS FOR POWER SERVICE CONNECTIONS. ALL EQUIPMENT INSTALLATION SHALL CONFORM TO ALL LOCAL CODES.
- 3. FLOW SENSOR: THE 3" RAINMASTER BRASS FLOW SENSOR REQUIRES A MINIMUM FLOW OF 20 GPM FOR PROPER READINGS. CONCENTRIC REDUCER COUPLINGS UPSTREAM AND DOWNSTREAM OF THE FLOW SENSOR SHALL BE INSTALLED FOR PROPER FLOW MEASUREMENT. MULTIPLE ZONES MAY BE REQUIRED TO RUN AT THE SAME TIME TO ACHIEVE THE FLOW SENSOR'S MINIMUM FLOW REQUIREMENT MAXIMUM FLOW NOT TO EXCEED 300 GPM
- 4. WEATHER STATION: THE CONTRACTOR SHALL INSTALL A RAINMASTER WEATHER STATION AT THE MAINTENANCE COMPOUND. COORDINATE LOCATION AND INSTALLATION TYPE AND COMMUNICATION WIRE ROUTE TO CONTROLLERS WITH THE CITY OF TUCSON PROJECT MANAGER PRIOR TO INSTALLATION.
- 5. FINAL IRRIGATION CONTROLLER, MASTER VALVES, FLOW SENSOR ASSEMBLY AND WEATHER STATION LOCATIONS TO BE APPROVED BY THE CITY OF TUCSON PROJECT MANAGER PRIOR TO INSTALLATION.
- 6. SYSTEM PRESSURE: THE WATER PRESSURE IS APPROXIMATELY 120 PSI AT THE POINT OF CONNECTION. A PRESSURE REDUCING VALVE SHALL BE INSTALLED BY TUCSON WATER AT THE POINT OF CONNECTION (SEE NOTES ABOVE) AND SET TO 100 PSI. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE PRESSURE IN THE FIELD AT THE POINT OF CONNECTION BEFORE CONSTRUCTION BEGINS AND FOR NOTIFYING THE CITY OF TUCSON PROJECT MANAGER OF ANY DISCREPANCY BETWEEN THE DESIGN PRESSURE OF THE SYSTEM AND THE MEASURED PRESSURE IN THE FIELD. IF THE CONTRACTOR FAILS TO NOTIFY CITY OF TUCSON PROJECT MANAGER OF SUCH DISCREPANCIES, THEN THE CONTRACTOR ASSUMES ALL LIABILITY AND COSTS ASSOCIATED WITH SYSTEM MODIFICATIONS TO ACCOMMODATE THE ACTUAL PRESSURE.

IRRIGATION SLEEVING NOTES

- 1. CONTRACTOR SHALL COORDINATE WITH THE CITY OF TUCSON PROJECT MANAGER FOR LOCATION AND SIZING OF SLEEVES PRIOR TO THE START OF WORK.
- 2. ANY ADDITIONAL SLEEVES NOT SHOWN ON THE PLANS SHALL BE APPROVED BY THE CITY OF TUCSON PROJECT MANAGER PRIOR TO START OF WORK AND INSTALLATION.
- THE CONTRACTOR SHALL SLEEVE ALL IRRIGATION DISTRIBUTION LINES, VALVE CONTROL WIRES AND COMMUNICATION WIRES. UNDER ALL PAVED SURFACES. WALL FOOTERS, ETC.
- 4. ALL SLEEVES SHALL EXTEND A MINIMUM OF 1 FOOT BEYOND EDGE OF ALL OBSTRUCTIONS. NO TEES, ELLS OR OTHER TURNS IN PIPING SHALL BE LOCATED UNDER ANY OBSTRUCTIONS.
- 5. SLEEVING SHALL BE INSTALLED AS SHOWN ON THE PLANS BASED ON THE CHART BELOW. ALL MAINLINE, LATERALS AND VALVE CONTROL AND COMMUNICATION WIRES 14. ALL VALVE BOXES SHALL BE CONCRETE WITH LOCKING CAST IRON COVERS PER ARE TO BE INSTALLED IN SEPARATE SLEEVING.

SLEEVED PIPE SIZE/WIRE QTY. REQUIRED SLEEVE SIZE AND QTY. ALL PIPING 4" PVC (1) 1-50 CONTROL WIRES 2" PVC (1)

- IRRIGATION GENERAL NOTES 1. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO INSTALL THE IMPROVEMENTS SHOWN ON THE PLANS.
- 2. ALL PIPING AND FITTINGS AND EQUIPMENT SHALL BE PURPLE IN COLOR, IDENTIFYING RECLAIMED WATER AND INSTALLED PER THE RECLAIMED WATER NOTES ON THIS SHEET. "RECLAIMED WATER" TAPE (LABEL FACING UP) TO BE **BURIED WITH PIPING IN TRENCHES.**
- 3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT A THOROUGH SITE INSPECTION AND REVIEW OF THE PROJECT CONSTRUCTION DOCUMENTS INCLUDING BUT NOT LIMITED TO THE FOLLOWING: LANDSCAPE PLAN, CIVIL PLAN, ELECTRICAL PLAN, GRADING PLAN AND ALL OTHER ASSOCIATED PLANS THAT EFFECT THIS WORK PRIOR TO BEGINNING CONSTRUCTION. IF THE CONTRACTOR OBSERVES ANY DISCREPANCIES AMONG THE CONSTRUCTION DOCUMENTS AND THE EXISTING CONDITIONS ON SITE, IT IS THEIR RESPONSIBILITY TO CONTACT THE CITY OF TUCSON PROJECT MANAGER IMMEDIATELY.
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEYING, STAKING AND GENERAL LAYOUT REQUIREMENTS AS NEEDED TO CONSTRUCT THE PROJECT.

IRRIGATION GENERAL NOTES CONTINUED

- 5. THE CONTRACTOR SHALL COORDINATE AS NECESSARY WITH THE CITY OF TUCSON PROJECT MANAGER FOR SUCCESSFUL COMPLETION OF THIS WORK. ALL WORK IS SUBJECT TO COORDINATION WITH THE CITY OF TUCSON PROJECT MANAGER. NO WORK MAY BEGIN WITHOUT EXPRESSED WRITTEN CONSENT FROM CITY OF TUCSON PROJECT MANAGER. CONTRACTOR SHALL ALSO SCHEDULE WORK SO AS TO MINIMIZE UTILITY DOWN TIMES AND NOTIFY CITY OF TUCSON PROJECT MANAGER 48 HOURS IN ADVANCE OF ANY UTILITY SHUTDOWNS. CONTRACTOR SHALL PROVIDE PROJECT SCHEDULE AT PRE-CONSTRUCTION MEETING.
- 6. THE CONTRACTOR SHALL CONFORM TO ALL LOCAL AND STATE REGULATIONS AND INSTALL THE IRRIGATION SYSTEM AND ITS COMPONENTS PER THE MANUFACTURER'S SPECIFICATIONS. THE CONTRACTOR SHALL OBTAIN AND PROVIDE PAYMENT FOR ALL PERMITS REQUIRED BY ANY LOCAL AND STATE AGENCIES AND UTILITY COMPANIES HAVING JURISDICTION OVER THIS SITE.
- 7. THE CONTRACTOR MUST VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. IF THE CONTRACTOR FAILS TO DO SO AND DAMAGES ANY UNDERGROUND UTILITIES THROUGH THE COURSE OF HIS WORK THE CONTRACTOR SHALL PAY FOR ANY REPAIR WORK ASSOCIATED WITH SAID DAMAGES. ALL UNDERGROUND UTILITY WORK SHALL BE INSPECTED BY THE CITY OF TUCSON PROJECT MANAGER PRIOR TO BACKFILLING. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO: IRRIGATION, POTABLE WATER, SEWER, ELECTRICAL AND GAS. CONTRACTOR SHALL NOTIFY CITY OF TUCSON PROJECT MANAGER WITH A MINIMUM OF 24 HOURS ADVANCED NOTICE. 48 HOURS IS REQUIRED.
- 8. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PRESERVE AND PROTECT EXISTING IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO: ROADS, CURB, FENCING, LIGHTING, STRUCTURES, UTILITIES, TREES AND IRRIGATION TO REMAIN IN PLACE. ANY DAMAGED ITEMS WILL BE REPAIRED AND/OR REPLACED AT CONTRACTOR'S EXPENSE. SHOULD DAMAGE OCCUR, CONTRACTOR SHALL NOTIFY CITY OF TUCSON PROJECT MANAGER IMMEDIATELY AND PROVIDE AN INCIDENT REPORT.
- a. ALL REPAIRS/REPLACEMENTS SHALL REQUIRE WRITTEN SUBMITTAL PERTAINING TO RELEVANT PRODUCTS, MEANS AND METHODS FOR CITY OF TUCSON PROJECT MANAGER APPROVAL PRIOR TO INITIATING THE WORK. ALL REPAIRS/ REPLACEMENTS SHALL BE MADE AT THE CONTRACTOR'S EARLIEST OPPORTUNITY AND SHALL REQUIRE VISUAL INSPECTION AND APPROVAL BY CITY OF TUCSON PROJECT MANAGER. CITY OF TUCSON PROJECT MANAGER MAY WITHHOLD FINAL ACCEPTANCE OF THE PROJECT UNTIL SAID ITEMS HAVE BEEN SATISFACTORILY ADDRESSED.
- 9. ALL WORK AREAS ASSOCIATED WITH THIS PROJECT SHALL BE PROPERLY SECURED AND CORDONED OFF TO PREVENT ACCESS FROM THE GENERAL PUBLIC. A MINIMUM 6' CHAINLINK FENCE IS REQUIRED AT ALL TIMES. CONTRACTOR SHALL PROVIDE A FENCING PLAN AT PRE-CONSTRUCTION MEETING
- 10. THIS FACILITY WILL REMAIN IN OPERATION DURING CONSTRUCTION. CONTRACTOR SHALL MAINTAIN ADEQUATE AND SAFE PUBLIC INGRESS AND EGRESS TO THE FACILITY AND ALL ITS AMENITIES NOT DIRECTLY AFFECTED BY CONSTRUCTION FOR THE DURATION OF THE PROJECT. NO PUBLIC ACCESS SHALL BE RESTRICTED WITHOUT WRITTEN CONSENT OF CITY OF TUCSON PROJECT MANAGER
- 11. IT IS THE INTENT OF THIS DESIGN THAT ALL IRRIGATION EQUIPMENT BE INSTALLED WITHIN THE PROJECT LIMITS AND WITHIN LANDSCAPE AREAS. ANY EQUIPMENT SHOWN OUTSIDE OF THESE LIMITS IS SHOWN FOR GRAPHICAL CLARITY ONLY. IF THERE IS A QUESTION REGARDING THE LOCATION OF ANY COMPONENT OF THE IRRIGATION SYSTEM, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE CITY OF TUCSON PROJECT MANAGER. IF THE CONTRACTOR NEGLECTS TO NOTIFY THE NECESSARY PARTIES, THE CONTRACTOR SHALL PAY FOR ANY REPLACEMENT OR MODIFICATION TO ENSURE PROPER LOCATION AND OPERATION OR THE IRRIGATION SYSTEM AND ITS COMPONENTS.
- 12. THE CONTRACTOR ASSUMES ALL LIABILITY ASSOCIATED WITH THE MODIFICATION OF THE IRRIGATION SYSTEM DESIGN WITHOUT NOTIFYING THE CITY OF TUCSON PROJECT MANAGER.
- 13. ALL IRRIGATION EQUIPMENT IS TO BE AS SPECIFIED, OR APPROVED EQUAL PER THE DISCRETION OF THE CITY OF TUCSON PROJECT MANAGER.
- SPECIFICATIONS. STATION AND CONTROLLER NUMBER SHALL BE MARKED ON TOP OF VALVE BOX. ALL QUICK COUPLER VALVE BOXES SHALL BE PLASTIC WITH LOCKING COVERS PER SPECIFICATIONS. ALL VALVE BOX LIDS TO BE COLORED OR PAINTED PURPLE.
- 15. ALL VALVE BOXES SHALL BE INSTALLED A MINIMUM OF 1'-0" FROM THE EDGE OF PAVED SURFACES.THE CONTRACTOR SHALL ADJUST ALL VALVE BOXES TO BE FLUSH FINISH GRADE. PROVIDE MINIMUM 12" SPACING BETWEEN VALVE BOXES.
- 16. CONTRACTOR SHALL VERIFY GROUNDING FOR THE IRRIGATION CONTROLLER AND ALL SENSORS IS INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS AND PER THE AMERICAN SOCIETY OF IRRIGATION CONSULTANTS GUIDELINE 100-2002 FOR EARTH GROUNDING ELECTRONIC EQUIPMENT IN IRRIGATION SYSTEMS. FOR TECHNICAL SUPPORT REGARDING THE IRRIGATION CONTROLLER OR GROUNDING PLEASE CONTACT RAINMASTER AND THE CITY OF TUCSON PROJECT MANAGER.
- 17. CONTRACTOR SHALL EXTEND SPARE CONTROL WIRES (1) COMMON AND (2) CONTROL, TO THE END OF ALL MAINLINE BRANCHES SERVING THAT CONTROLLER. COIL 30" LENGTH MIN. OF SPARE WIRE IN A 10" ROUND VALVE BOX. GROUND PER MFR SPECIFICATIONS.
- 18. CONTROLLER WIRE SHALL BE 14GA MIN. UL APPROVED WIRE. CONTRACTOR SHALL USE UL APPROVED WIRE STRIPPER AND WATERPROOF CONNECTIONS (MFR RECOMMENDED OR EQUAL APPROVED BY MANUFACTURER AND CITY OF TUCSON PROJECT MANAGER) AT ALL SPLICES AND CONNECTION POINTS. CONTRACTOR TO INSTALL RED ELECTRIC MARKING TAPE WITH CONTROLLER WIRE.

IRRIGATION GENERAL NOTES CONTINUED

- 19. WIRING BETWEEN THE MASTER VALVES AND FLOW SENSORS SHALL BE EV-CAB-SEN OR AS APPROVED BY THE MANUFACTURER. THE WIRING SHALL BE INSTALLED IN PLASTIC SCH. 40 PVC ELECTRICAL CONDUIT NO LESS THAN 1 INCH IN SIZE. ALL ELECTRICAL CONNECTIONS AT THE FLOW SENSOR / MASTER VALVE SHALL BE COMPLETELY SEALED USING A TWO PART EPOXY SUCH AS 3M OR PENTITE SYSTEM PRE-JELLED FITTINGS ARE NOT ACCEPTABLE. SPLICES BETWEEN THE DEVICES AND CONTROLLERS ARE NOT ALLOWED WITHOUT PRE-APPROVAL IN WRITING BY THE CITY OF TUCSON PROJECT MANAGER.
- 20. CONTRACTOR SHALL INSTALL TRACER RIBBON AND MARKING TAPE IN ALL PRESSURE MAINLINE TRENCHES AND IN ALL VALVE OR EMITTER BOXES ABOVE PIPE AND 10 INCHES BELOW SURFACE. SEE IRRIGATION DETAILS FOR MORE INFORMATION.
- 21. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION PRIOR TO FINAL ACCEPTANCE.
- 22. ALL TRENCHES SHALL BE RETURNED TO EXISTING GRADE, CLEARED OF ALL ROCKS AND MATERIALS GREATER THAN 1". IN TURF AREAS, CONTRACTOR SHALL PROVIDE MANUALLY BROADCAST SEED FOR REVEGETATION OF MAINLINE TRENCHES AND OTHER TRENCHES GREATER THAN 6" IN WIDTH AT FINISH GRADE.
- 23. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ADEQUATE VERTICAL SEPARATION BETWEEN ALL IRRIGATION DISTRIBUTION LINES AND ALL UTILITIES (EXISTING OR PROPOSED), CONDUIT, STORM WATER COMPONENTS, DRAINS, ETC. TO ENSURE REPAIRS DO NOT IMPACT UTILITIES. ALL SEPARATION SHALL BE PER UTILITY RECOMMENDATIONS FOR ADEQUATE CLEARANCES FOR FUTURE REPAIRS AND MAINTENANCE OF LINES.
- 24. THE CONTRACTOR SHALL STAKE THE LOCATION OF THE MAINLINE, MASTER VALVES FLOW SENSORS, CONTROL VALVES, ISOLATION VALVES, ETC. AND SCHEDULE A REVIEW MINIMUM 48 HOURS IN ADVANCE WITH THE CITY OF TUCSON PROJECT MANAGER PRIOR TO INSTALLATION.
- 25. TREES SHALL BE IRRIGATED BY ROOT ZONE WATERING BUBBLERS, SEE EMITTER SCHEDULE FOR ADDITIONAL INFORMATION.
- 26. CONTRACTOR SHALL FINE TUNE AND ADJUST NOZZLE DIRECTION AND RADIUS TO REDUCE OVER SPRAY ONTO PAVING OR HARD SURFACES, BENCHES, PICNIC TABLES. WATER FOUNTAINS, ETC.
- 27. ALL SPRAY IRRIGATION SHALL BE KEPT 18" MINIMUM FROM PUBLIC SIDEWALKS OR PATHS UNLESS OTHERWISE DIRECTED BY CITY OF TUCSON PROJECT MANAGER.
- 28. THE TURF IRRIGATION SYSTEM SHALL BE DESIGNED TO APPLY WATER AT THE FOLLOWING MINIMUM APPLICATION EFFICIENCIES AS MEASURED BY THE LOW QUARTER DISTRIBUTION UNIFORMITY METHOD AFTER CONSTRUCTION:
- ROTORS

65% DU MEASURED BY AUDIT. 60% DU MEASURED BY AUDIT.

FIXED SPRAY HEADS

29. THIS IRRIGATION SYSTEM HAS BEEN DESIGNED TO PROVIDE 2" OF WATER DURING AN EIGHT HOUR PER NIGHT (10 PM TO 6 AM) WATERING WINDOW ON A 6 DAY SCHEDULE TO ALLOW MOW DAYS. ESTABLISHMENT WATERING WILL REQUIRE ADDITIONAL IRRIGATION FOR A FOUR TO SIX WEEK PERIOD. COORDINATE SCHEDULE WITH CITY OF TUCSON PROJECT MANAGER.

IRRIGATION SCHEDULE

SYM.	DESCRIP.	MFR.	MODEL	NO.		COMME	NTS	DETA
POC	IRRIGATION POINT OF CONNECTION	NA	Existing					
M	IRRIGATION METER	NA	Existing					
	BACKFLOW PREVENTER	NA	Existing			Within exis enclosure.	sting	
C1	IRRIGATION CONTROLLER	RAIN MASTER	Communic	Controller (DX-2) cation Connection to Cer COT Project Manag		To be insta service roo restroom b Communic COT requir	om of uilding. ation per	X/L-XX
₩\$	WEATHER STATION	RAIN MASTER	Weather S	tation (EV-WETHR-C	ENTR2-DX2)	Mount on s restroom b		X/L-XX
B	BOOSTER PUMP	PRECISION PUMP SYSTEMS						X/L-XX
M	GATE VALVE	CLOW		Valve Box w/ Metal Lidead Resilient Wedge e (C509)	d (MAG 320#1)	Size per lin	ne size	X/L-XX
0	QUICK COUPLER	HUNTER		ound Valve Box (910) (HQ-5LRC) ng Joint				X/L-XX
M	MASTER VALVE	GRISWOLD		Valve Box w/ Metal Lic Normally Closed Valv	,			X/L-XX
	FLOW SENSOR	RAIN MASTER	3" PVC Flo	Valve Box w/ Metal Lic ow Sensor (FS-300)	,	20 - 300 GPM Range		X/L-XX
•	VALVE ASSEMBLY (TURF)	HUNTER	Bronze Ba	Concrete Valve Box w/ Metal Lid (MAG 320#2) Size per plan Bronze Ball Valve (WATTS-FBV Series) 1.5" or 2" Control Valve (ICV-151/201G)		X/L-XX		
Ф	VALVE ASSEMBLY	HUNTER	Bronze Ba 1" Control	Valve Box w/ Metal Lid Il Valve (WATTS-FBV Valve (ICV-101G-FS- Filter (SNPT)(500 Mes	' Series) R-AS-50)	Size per plan		X/L-XX
R-VAN 1724 R-VAN 1318	TURF ROTARY 13'-24'	RAINBIRD	1800 spray	24 1804-SAM-P45-NI y body on 4.0" pop-up 45 psi in-stem pressu emale Threaded Inle	, with check re regulator.	Matched precipitation rate of 0.6"/hr at 45psi LASCO T-522-212 Swing Joint Assembly		
1.5\2.5\ 3.0\4.0\ 5.0\	TURF ROTOR 34'-43'	RAINBIRD	Turf Rotor Adjustable	M-NP-PC/FC-R-SS , 4.0" Pop-Up, Stainle and Full-Circle, with ve. 1" NPT Female Th	Seal-A-Matic	45 psi desi pressure. LASCO G- Swing Join		X/L-XX
	PVC SLEEVING	NA	Sch. 40 P\	/C - MIN. SIZE 4"		See Sleevi for Sizing I	ing Notes	X/L-XX
	PVC MAINLINE	NA	CL 200 PV	/C		Unless other	erwise	X/L-XX
	TURF LATERAL	NA	Sch. 40 P\	/C		1" Min. Size Size as not plan		X/L-XX
TREE	DRIP LATERAL	NA	Sch. 40 P\	Sch. 40 PVC 1" Min. Size. Size as noted on		X/L-XX		
	END CAP	NA	Carson 6" Round Valve Box		X/L-XX			
NOT SHOWN	BUBBLER	HUNTER	RZWS-36-25-R 30 psi design pressure		X/L-XX			
NOT SHOWN	CONTROLLER WIRE	NA	1" PVC Co 14g Comm	nduit Junication Wire		Controller to	-	
<i>y</i> •	VALVE CA	LLOUTS			EMITTER S			
	/- Valve/	Station		PLANT TYPE	EMITT		OUTL	ET
4	Number Zone D	er Designation:		ACCENTS	Rain Bird XBT		1-1 GPH (
# -	X T (Tree	es), S (Shrubs	s),	GROUNDCOVER	Rain Bird XBT		1-1 GPH (
X"	G (Turi	' <i>)</i>		SHRUBS	Rain Bird XBT		2-1 GPH (
				TREES	Rain Bird XBT	-∠U-0	6-2 GPH (Juliets

Rain Bird XBT-20-6 6-2 GPH Outlets

∼ Valve Flow: (GPM)

· VALVE SIZE

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DATE: 06/16/20 75% CD'S

SHEET TITLE: IRRIGATION NOTES

L-02

SHEET 6 OF 15

DEMOLITION LEGEND SYMBOL DESCRIPTION TREES TO REMAIN PALMS TO REMAIN NON-NATIVE TREES TO BE REMOVED CONCRETE PAD, CURBING CHAIN LINK BACKSTOP, EXISTING RESTROOM BUILDING AND NORTHERN SEGMENT OF PLAYGROUND TO BE DEMOLISHED AND REMOVED FROM SITE IN A LEGAL MANNER.

DEMOLITION NOTES

- 1. ALL UTILITIES INDICATED ON THE DRAWINGS REFLECT APPROXIMATE LOCATIONS. THE CONTRACTOR IS TO VERIFY EXACT LOCATIONS OF BOTH EXISTING AND PROPOSED UTILITIES PRIOR TO BEGINNING CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO EXISTING UTILITIES, WALKWAYS OR OTHER EXISTING STRUCTURES AND IMPROVEMENTS THAT IS A RESULT OF THEIR WORK. THE REPAIR OF SUCH DAMAGE WILL BE AT NO ADDITIONAL COST TO THE OWNER. DOCUMENT ALL EXISTING DAMAGES PRIOR TO BEGINNING WORK. ANY DAMAGES NOT DOCUMENTED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR SECURITY AND SAFETY OF THE SITE WHEN LEFT UNATTENDED. FENCES AND OR BARRICADES SHALL BE MAINTAINED AS NEEDED.
- 4. KEEP THE PREMISES CLEAN AND ORDERLY DURING CONSTRUCTION. DISPOSE OF ALL REMOVED MATERIALS AT AN APPROVED DUMP SITE WITHIN 24 HOURS OF REMOVAL. STOCKPILING ON THE SITE WILL BE ALLOWED ONLY WITH APPROVAL FROM THE OWNER'S REPRESENTATIVE. SCHEDULE REMOVALS TO INSURE THAT NO PARTIALLY DISASSEMBLED EQUIPMENT IS LEFT ON SITE OVERNIGHT. ALL ADJACENT LANDSCAPE, UTILITIES, SIGNS AND HARDSCAPE SHALL REMAIN UNDISTURBED UNLESS SPECIFICALLY AUTHORIZED BY THE OWNER'S REPRESENTATIVE.
- 5. IF UNEXPECTED CONDITIONS ARE ENCOUNTERED DURING DEMOLITION, NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY FOR RESOLUTION.

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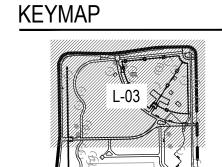
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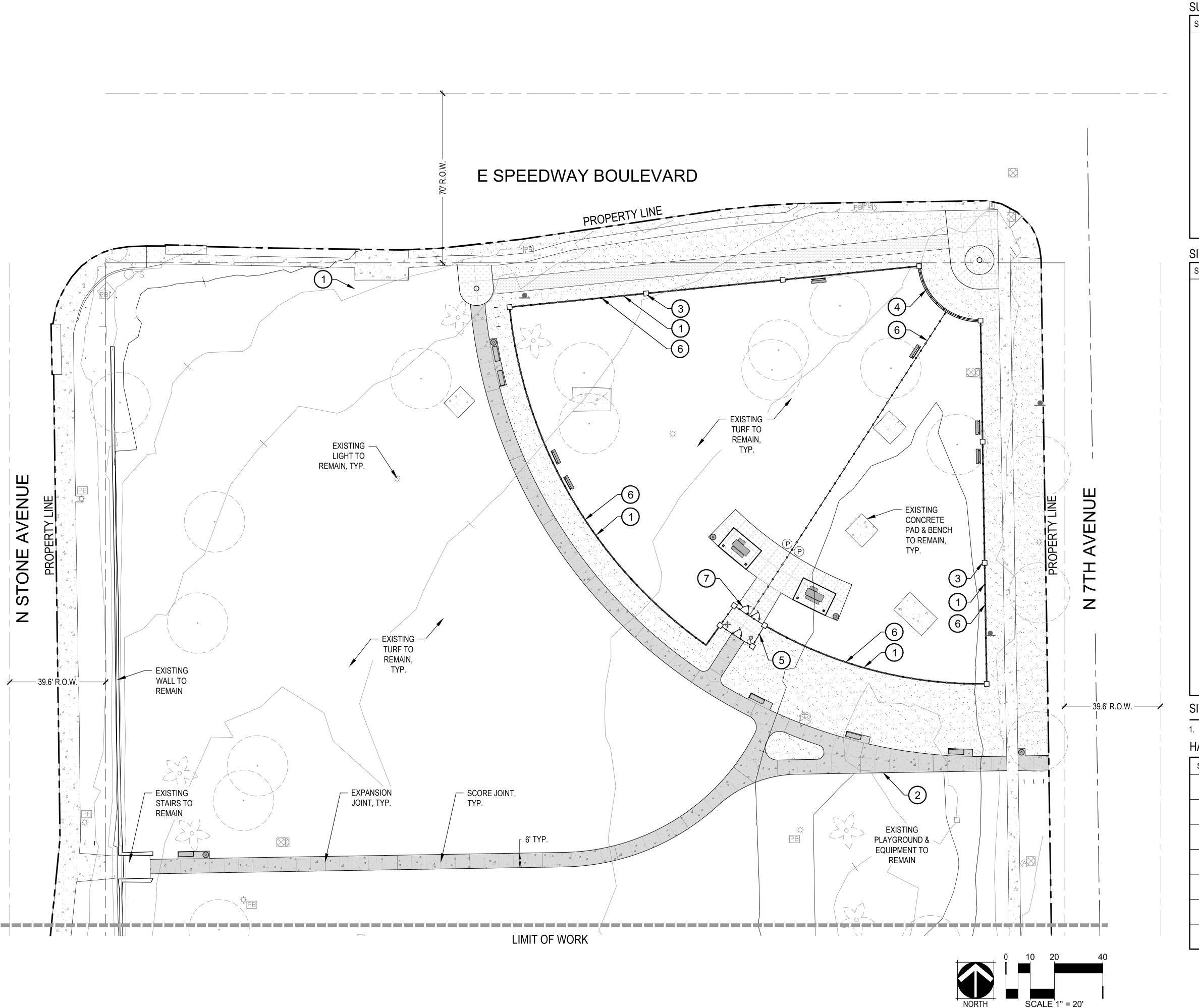


SCALE: NTS



DEMOLITION

SHEET 7 OF 15



SURFACING SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	QTY.
4	EXISTING CONCRETE		
Δ	CONCRETE COLOR: STANDARD GRAY FINISH: MEDIUM BROOM	1/L-14	4,490 S
+ + + + + + + + + + + + + + + + + + +	CONCRETE COLOR: DAVIS COLORS, KAILUA FINISH: MEDIUM BROOM	1/L-14	2,157 S
	DECORATIVE GRAVEL DEPTH: 2" COLOR: DESERT GOLD SIZE: 1/2" SCREENED SUPPLIER: KALAMAZOO MATERIALS INC.	4/L-13	13,275 S
	COMPACTED DECOMPOSED GRANITE COLOR: DESERT GOLD SIZE: 3/8" MINUS SUPPLIER: KALAMAZOO MATERIALS INC.	5/L-13	1,133 S

SITE AMENITIES SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	QTY.
	ADA CONCRETE PICNIC TABLE MODEL: QLBT102PTADA MANUFACTURER: QCP COLOR: ADOBE TAUPE		2
⊚	TRASH RECEPTACLE MODEL: QR-CAL2436W-A19 MANUFACTURER: QCP COLOR: ADOBE TAUPE		5
=	6' SOLID MOUNT PARK BENCH WITH BACK MODEL: MPPR4406SM MANUFACTURER: ARIZONA CORRECTIONAL INDUSTRIES COLOR: POWDERCOAT, SIGNAL BROWN RAL 8002		6
	6' EXPANDED METAL BENCH WITH DIVIDERS MANUFACTURER: ARIZONA CORRECTIONAL INDUSTRIES COLOR: POWDERCOAT, SIGNAL BROWN RAL 8002 SURFACE MOUNT		6
1	BIKE RACK MANUFACTURER: ARIZONA CORRECTIONAL INDUSTRIES COLOR: POWDERCOAT, SIGNAL BROWN RAL 8002 IN-GROUND MOUNT		8
 	LEASH POST MODEL: PBARK-480 MANUFACTURER: BARK PARK COLOR: GREEN		1
P	PET WASTE STATION WITHOUT RECEPTACLE MODEL: PBARK-488 MANUFACTURER: BARK PARK COLOR: GREEN		2
8	DOG DRINKING FOUNTAIN MODEL: 300 SMSS MANUFACTURER: MDF COLOR: GREEN	3/L-15	1
a a	10'X15' SHADE RAMADA MANUFACTURER: ARIZONA CORRECTIONAL INDUSTRIES COLOR: POWDERCOAT, SIGNAL BROWN RAL 8002		2
0	ART PEDESTAL AND INSTALLATION, BY OTHERS		2

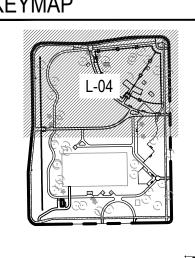
SITE AMENITY NOTES

1. INSTALL ALL SITE AMENITIES PER MANUFACTURER'S SPECIFICATIONS / INSTRUCTIONS.

HARDSCAPE KEYNOTES

TIANDSCAFE RETNOTES					
SYMBOL	DESCRIPTION	DETAIL	QTY.		
1	CONCRETE HEADER	3/L-14	622 LF		
2	THICKENED EDGE CONCRETE	2/L-14	43 LF		
3	MASONRY COLUMN WITH STONE VENEER, TYP.	4/L-14	12 EA		
4	MASONRY WALL WITH DECORATIVE FENCE	5/L-14	35 LF		
5	DOG PARK DECORATIVE FENCE, TYP.	6/L-14	78 LF		
6	1" CHAIN LINK FENCE	1/L-15	787 LF		
7	DOG PARK DECORATIVE GATE, TYP.	2/L-15	3		

KEYMAP



HARDSCAPE

SHEET 8 OF 15

SCALE: NTS

OWNER:

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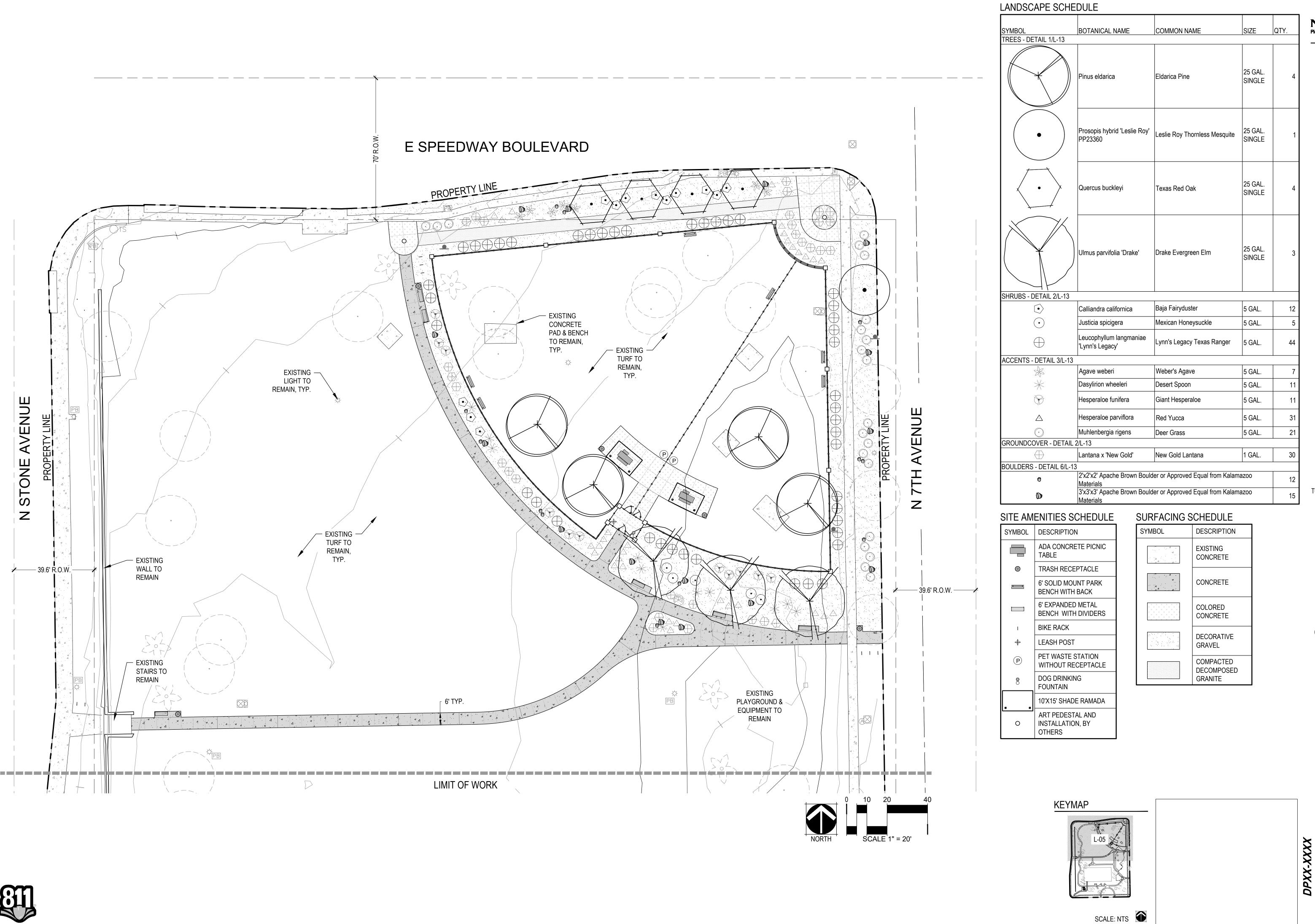
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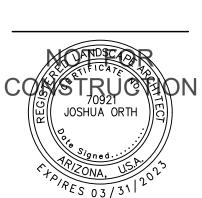


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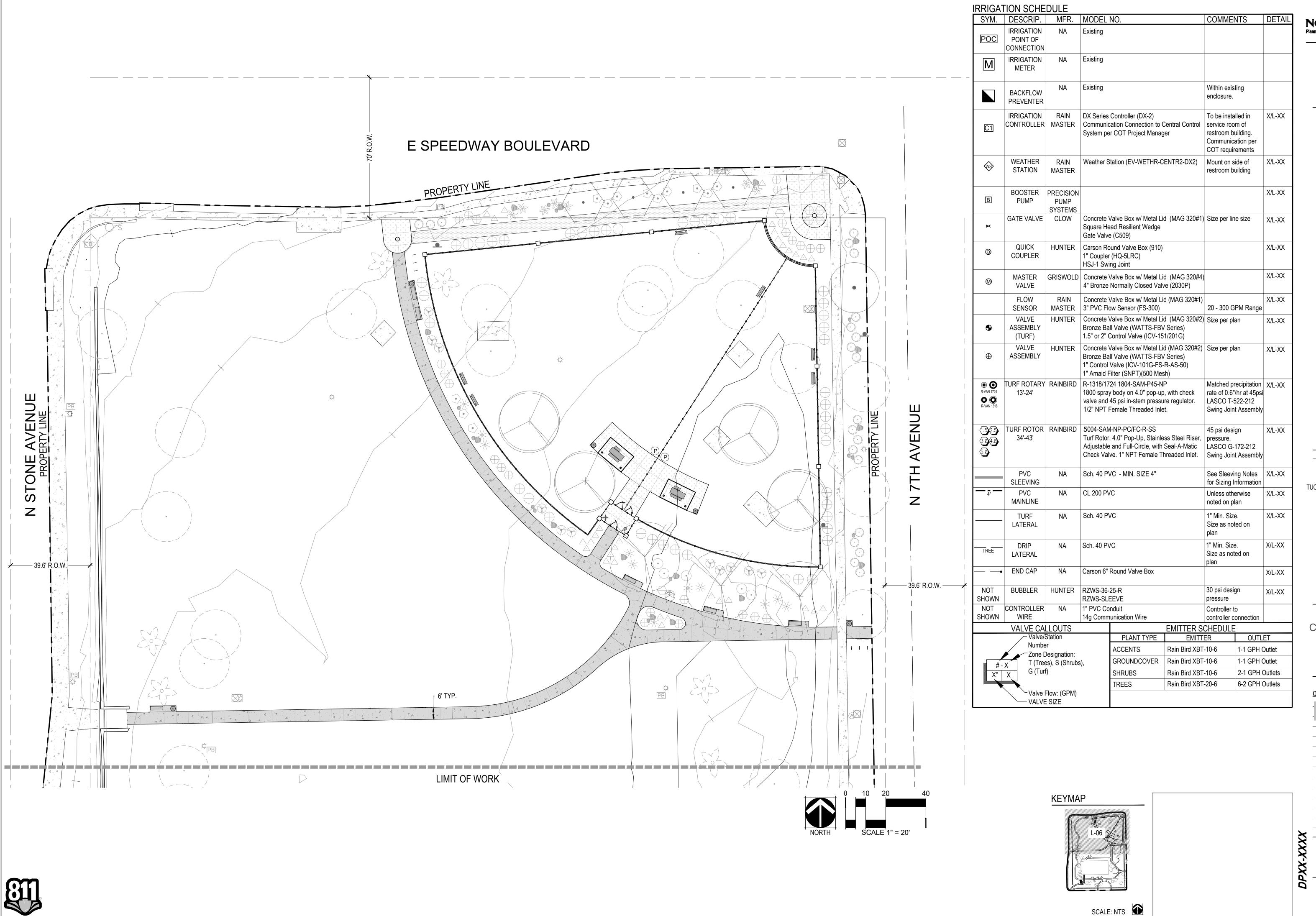




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LANDSCAPE

SHEET 9 OF 15



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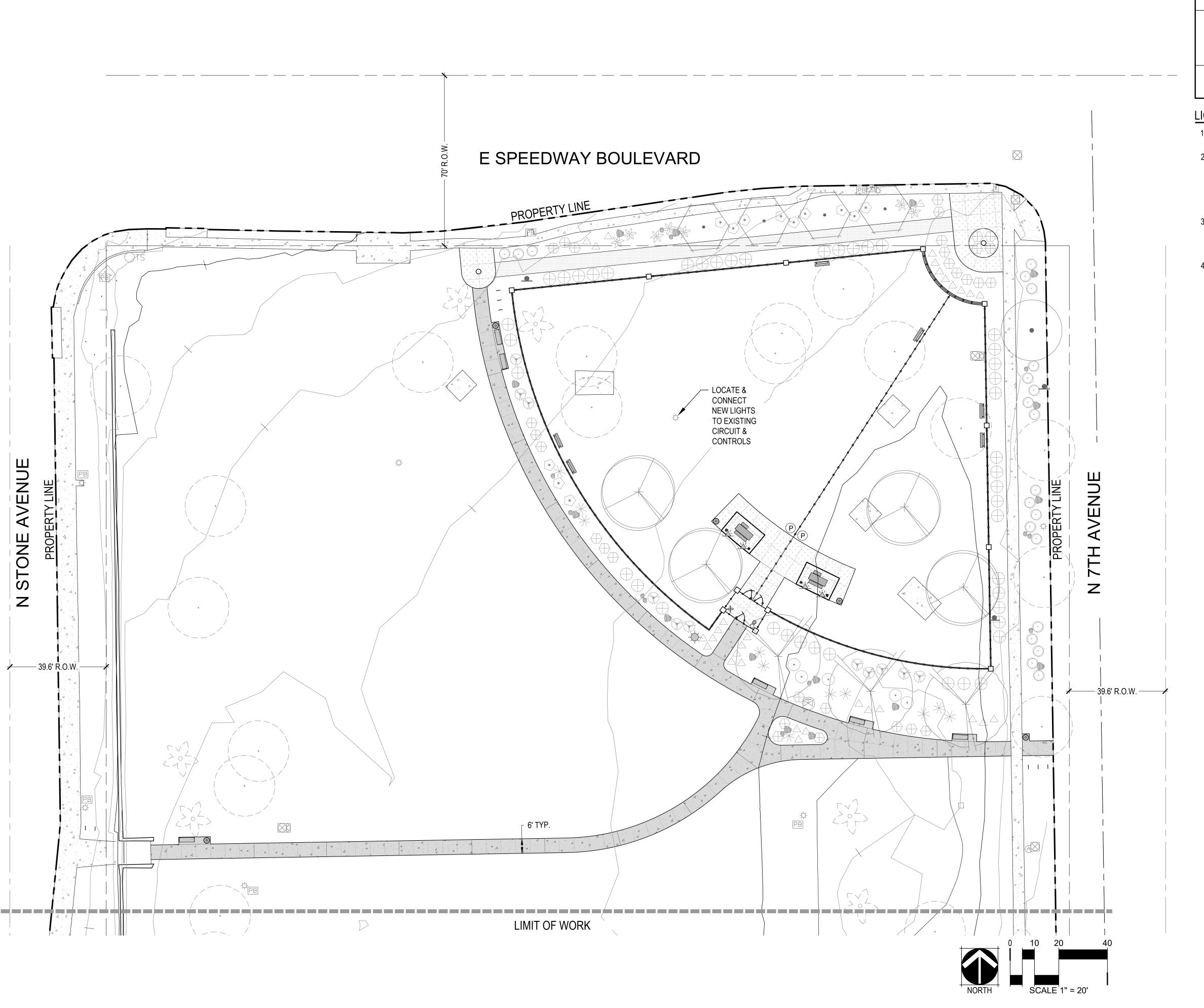
DATE: 06/16/20 75% CD'S

DRAFT

SHEET TITLE:
IRRIGATION
PLAN

L-06

SHEET 10 OF 15



LIGHTING SCHEDULE

DESCRIPTION DETAIL QTY SYMBOL -\(\) POLE LIGHT WALL LIGHT

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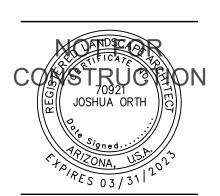
LIGHTING NOTES

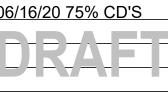
- 1. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO INSTALL THE LIGHTING IMPROVEMENTS SHOWN ON THE PLANS.
- 2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT A THOROUGH SITE INSPECTION AND REVIEW OF THE PROJECT CONSTRUCTION DOCUMENTS INCLUDING BUT NOT LIMITED TO THE FOLLOWING: LANDSCAPE PLAN, CIVIL / GRADING PLAN AND ALL OTHER ASSOCIATED PLANS THAT AFFECT THIS WORK PRIOR TO BEGINNING CONSTRUCTION. IF THE CONTRACTOR OBSERVES ANY DISCREPANCIES AMONG THE CONSTRUCTION DOCUMENTS AND THE EXISTING CONDITIONS ON SITE, IT IS THEIR RESPONSIBILITY TO CONTACT THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- 3. THE CONTRACTOR MUST VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. IF THE CONTRACTOR FAILS TO DO SO AND DAMAGES ANY UNDERGROUND UTILITIES THROUGH THE COURSE OF HIS WORK THE LIGHTING CONTRACTOR SHALL PAY FOR ANY REPAIR WORK ASSOCIATED WITH SAID DAMAGES.
- 4. THE CONTRACTOR SHALL CONFORM TO ALL LOCAL AND STATE REGULATIONS AND INSTALL THE LIGHTING SYSTEM AND ITS COMPONENTS PER THE MANUFACTURER'S SPECIFICATIONS. THE CONTRACTOR SHALL OBTAIN AND PROVIDE PAYMENT FOR ALL PERMITS REQUIRED BY ANY LOCAL AND STATE AGENCIES AND UTILITY COMPANIES HAVING JURISDICTION OVER THIS SITE.

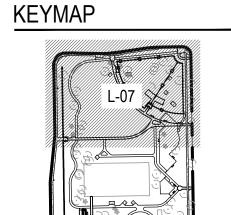
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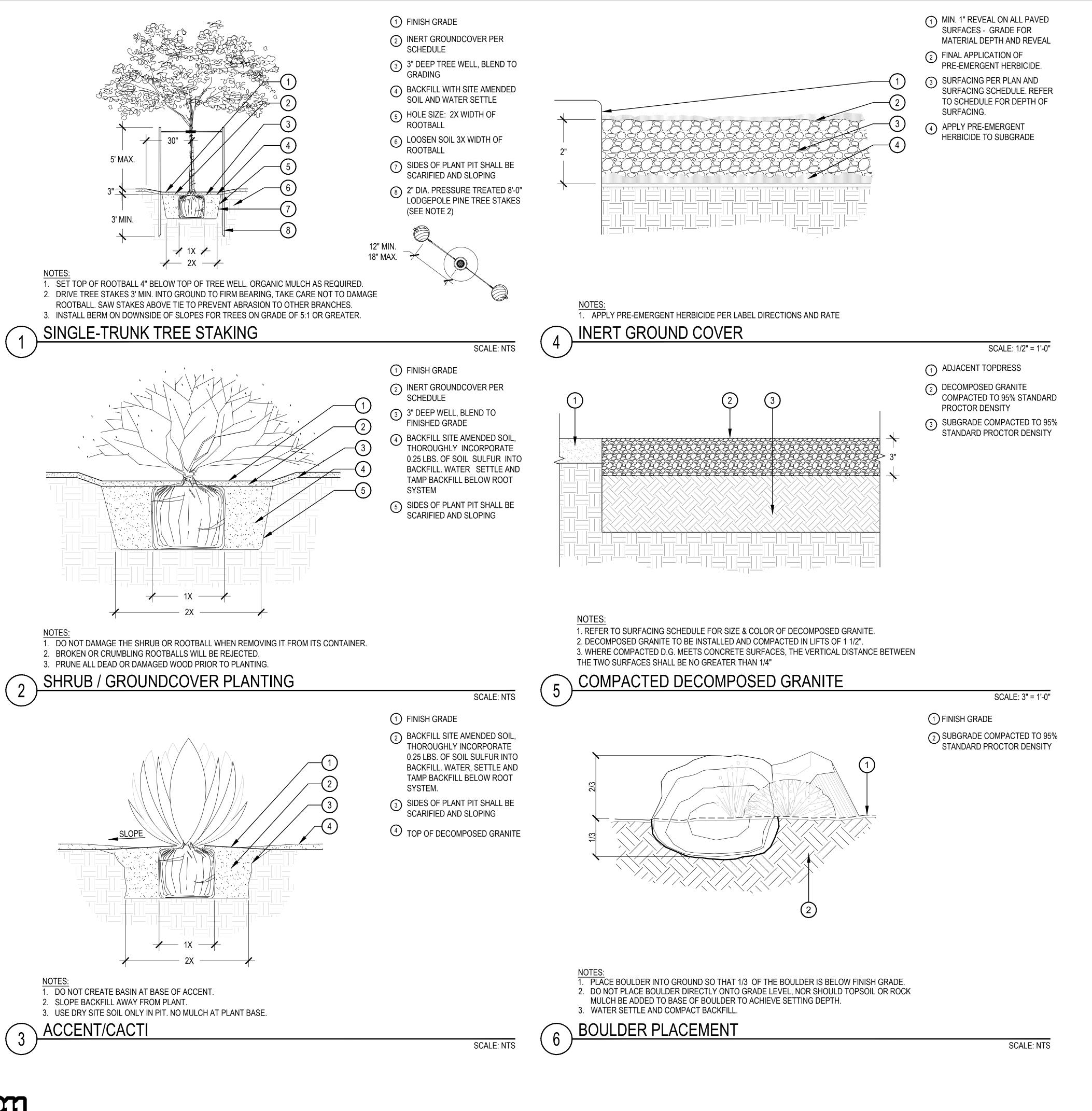


SCALE: NTS



LIGHTING

SHEET 11 OF 15



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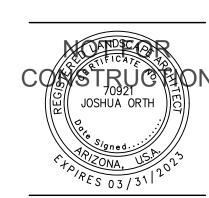
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ANZA PARK
Dog Park

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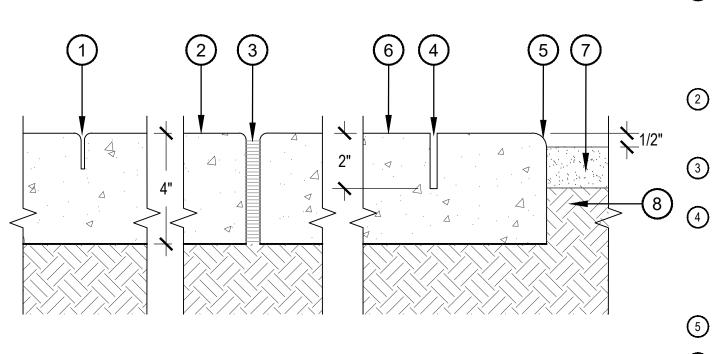
DATE: 06/16/20 75% CD'S

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SHEET TITLE: LANDSCAPE DETAILS

DETAILS L-08

SHEET 12 OF 15



1. C.I.P. CONCRETE PER PLANS AND SPECS. CONTROL JOINTS AND EXPANSION JOINTS AS

2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI, AT 28 DAYS. 3. CONTROL JOINTS SHALL BE PLACED ALONG LENGTHS OF SIDEWALK WITH AN ON CENTER

(1) TOOLED JOINT, 1/4" RADIUS SPACE EQUAL TO WIDTH OF WALK UNLESS NOTED OTHERWISE. DEPTH TO 1/3" CONCRETE THICKNESS MIN.

- (2) CONCRETE PAVING. MEDIUM **BROOM FINISH PERPENDICULAR** TO TRAFFIC FLOW.
- 3 EXPANSION JOINT WITH TRAFFIC
- (4) SAW CUT JOINT, 1/8" X 2" DEPTH. DRY CUT JOINT TO AVOID SPALLING. JOINTS SHALL BE CUT BETWEEN 24 HOURS OF INSTALLATION
- (5) 1/4" RADIUS TOOL EDGE
- (6) FINISH GRADE
- 7 ADJACENT LANDSCAPE AND SURFACING, REFER TO PLANS FOR TYPE

8 SUBGRADE COMPACTED TO 95% STANDARD PROCTOR DENSITY

SPACING EQUAL TO THE WIDTH OF THE WALK, OR AS SHOWN. **CONCRETE PAVING**

(1) ADJACENT SURFACING REFER TO HARDSCAPE PLAN AND SURFACING SCHEDULE. HOLD DOWN 1" FROM TOP OF

- (2) 1/2" RADIUS AT EDGES, 1/4"
- (3) CONTINUOUS TOOLED CONTROL JOINT ALONG EDGE WITH $\frac{1}{4}$ "
- (4) CONCRETE PAVEMENT MINIMUM 4" THICKNESS. REFER TO HARDSCAPE PLANS FOR
- (5) #4 REBAR ALONG EDGE, 24" ON REBAR 24" MINIMUM INTO THE FLATWORK
- (2) #4 REBAR CENTERED AND CONTINUOUS DOWN ENTIRE EDGE. MAINTAIN A MINIMUM BURY DEPTH OF 2 ½" AND OVERLAP 12" AT ALL SPLICES

SCALE: 1" = 1'-0"

SCALE: NTS

- PAVEMENT OR AS SHOWN ON GRADING PLANS
- RADIUS AT ALL JOINTS
- RADIUS EDGE
- LOCATION AND TYPE
- CENTER, DOWN LENGTH. RETURN
- 6 SUBGRADE COMPACTED TO 95% STANDARD PROXY DENSITY

THICKENED EDGE CONCRETE

2. UNLESS OTHERWISE NOTED, ALL REBAR SHALL BE #4 SIZE.

3. MINIMUM BURY DEPTH ON ALL REBAR SHALL BE 2 ½".

 $\bigcirc 1 \bigcirc 4$

. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS.

3 4 5

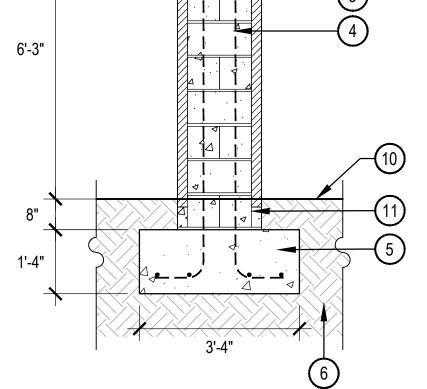


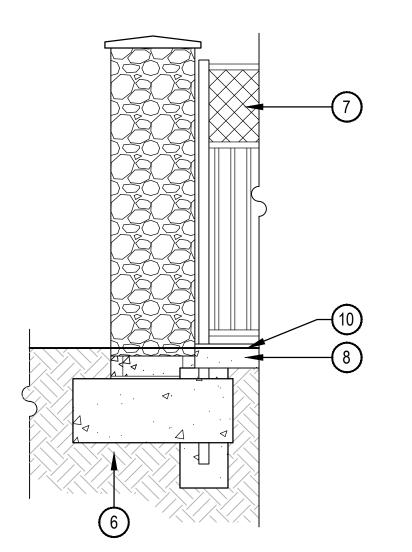
- (2) CAST IN PLACE CONCRETE. COLOR: NATURAL GREY FINISH: FINE BROOM
- (3) 1/2" TOOLED RADIUS ON ALL **EXPOSED EDGES**
- (4) FINISHED GRADE
- (5) INERT GROUNDCOVER PER PLAN AND SURFACING SCHEDULE.
- (6) #4 REBAR CONTINUOUS, CENTERED IN HEADER. $2\frac{1}{2}$ " MINIMUM BURY DEPTH.
- (7) SUBGRADE COMPACTED TO 95% STANDARD PROCTOR DENSITY

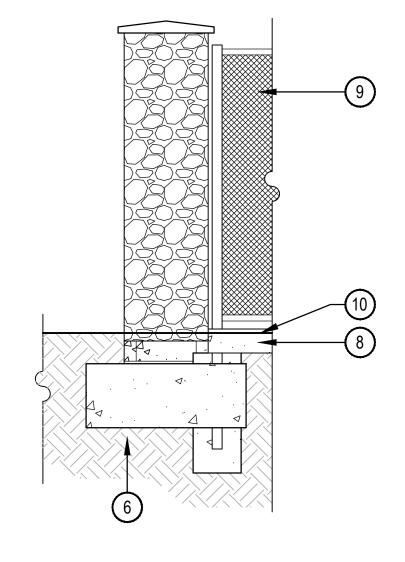
- 1. PROVIDE CONTINUOUS, TOOLED CONTROL JOINTS ON ALL EXPOSED SIDES OF CONCRETE HEADER. JOINTS SHALL BE 10' ON CENTER ALONG THE LENGTH OF THE RISER.
- 2. CONCRETE HEADER SHALL BE INSTALLED SO HORIZONTAL LAYOUT IS SMOOTH AND FREE-FLOWING AS SHOWN ON PLANS.
- 3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.

CONCRETE HEADER

SCALE: 3" = 1'-0"







PRECAST CONCRETE CAP MODEL: Q-PC-AVALON-24 MANUFACTURER: QCP COLOR: LATTE

8"x8"x16" CMU BLOCK, GROUTED SOLID

(3) STONE VENEER TYPE: OLD PUEBLO SUPPLIER: ROCK SOLID SOLUTIONS, (520) 575-7255 4 #4 REBAR

5 REINFORCED CONCRETE FOOTING

6 SUBGRADE COMPACTED TO 95% STANDARD PROCTOR DENSITY

7 DOG PARK DECORATIVE FENCE - SEE DETAIL 6/L-09

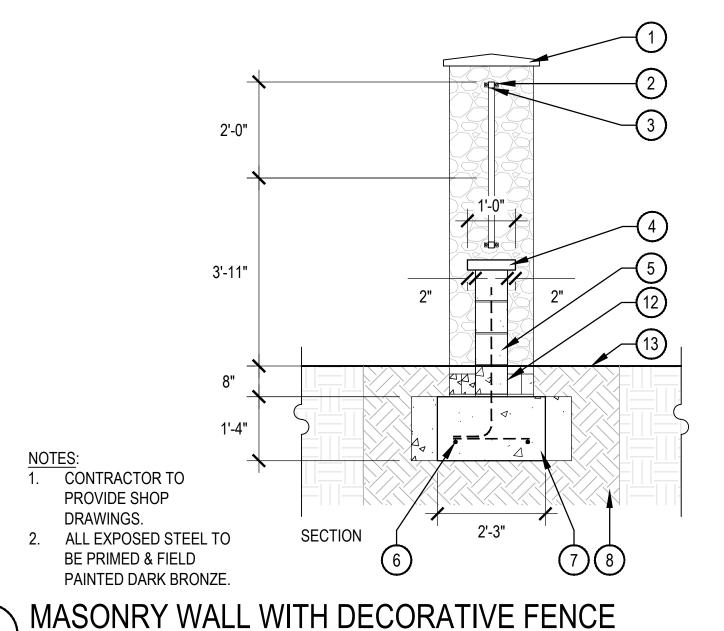
8 CONCRETE HEADER - SEE DETAIL 3/L-09

9 1" CHAIN LINK FENCE - SEE DETAIL 1/L-10

(10) FINISHED GRADE

(1) WATERPROOFING BELOW

MASONRY COLUMN WITH STONE VENEER



9' MAX, EQUALLY SPACE DECORATIVE FENCE SECTIONS 3'-6" 2'-0" **ELEVATION**

SCALE: 1/2" = 1'-0"

(1) COLUMN - SEE DETAIL 4/L-09 2 MOUNTING TAB, ATTACH TO COLUMN WITH 3/8" DIA. WEDGE ANCHORS

3 1 1/2" STEEL SQUARE TUBE RAIL PRECAST CONCRETE CAP MODEL: Q-WC-CRUZ-12

MANUFACTURER: QCP COLOR: LATTE 8"x8"x16" SPLIT FACE BLOCK MANUFACTURER: CABCO COLOR: CHOCOLATE 6 #4 REBAR

REINFORCED CONCRETE FOOTING

8 SUBGRADE COMPACTED TO 95% STANDARD PROCTOR DENSITY

9 2 1/2" STEEL SQUARE TUBE POST

3" WELDED WIRE SET ON 45° ANGLE 1/4" MOUNTING PLATE, ATTACH TO CAP WITH 3/8" DIA. WEDGE

ANCHORS WATERPROOFING BELOW GRADE

(13) FINISHED GRADE

SCALE: 1/2" = 1'-0"

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1 1/2" STEEL SQUARE TUBE

2 3" WELDED WIRE SET ON 45°

3 2 1/2" STEEL SQUARE TUBE

6 CONCRETE HEADER, SEE

7 SUBGRADE COMPACTED TO 95% STANDARD PROCTOR

5 FINISHED GRADE

DETAIL 3/L-09

(8) CONCRETE FOOTING

DENSITY

4 1" STEEL SQUARE TUBE PICKET

CONTRACTOR TO PROVIDE SHOP DRAWINGS. 2. ALL EXPOSED STEEL TO BE PRIMED & FIELD PAINTED DARK BRONZE.

SCALE: 1/2" = 1'-0"

DOG PARK DECORATIVE FENCE

SHEET TITLE: **HARDSCAPE**

L-09

DETAILS

SHEET 13 OF 15

18" DIA.

SCALE: NTS

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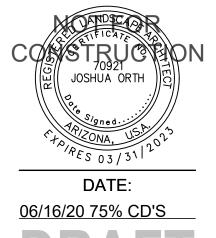
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Dog Park
TUCSON, AZ

OWNER:

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06/16/20 75% CD'S

SHEET TITLE:
HARDSCAPE
DETAILS

L-10 SHEET 14 OF 15

1. SLOPE DRAIN INTO DRYWELL

2. INSTALL PER MANUFACTURER SPECIFICATION

DRINKING FOUNTAIN DRYWELL

NOTES: 1. ALL PIPE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. 2. NO PIPE OR WIRE SHALL BE LOCATED UNDER PAVING UNLESS IT IS SLEEVED.
3. PROTECT COPPER FROM CONCRETE WITH PLUMBERS TAPE (10 MIL. MIN.) OR PLASTIC SLEEVING

IRRIGATION TRENCHING

3/4" CRUSHED —

GRAVEL, 6" DEEP

HEAVY DUTY CONCRETE METER BOX WITH HEAVY CAST-IRON LID, AS MANUFACTURED BY CONTRACTORS-ENGINEERS SUPPLY OR APPROVED EQUAL. (SEE SPECIFICATIONS FOR BOX SIZE.) TOP OF BOX SHALL BE AT FINISH GRADE. SUPPORT W/ONE BRICK AT EACH CORNER. IF RECLAIMED IS USED, PAINT LID PURPLE. FINISH GRADE ---←2" OPERATING NUT 6" SCH 40 PIPE FOR VALVES UP TO 3", 8" SCH 40 PIPE FOR 4" AND LARGER VALVES -EXTEND SLEEVE 3" MIN. ABOVE GRADE. COMPACT DISTURBED GATE VALVE - SIZE PER LINE SIZE AREA AROUND BOX TO FINISH GRADE. SEAL ALL OPENINGS AND BOTTOM WITH GEOTEXTILE

> NOTE: COMPACT SOIL AROUND VALVE PIT ASSEMBLY TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL. KEY CONCRETE 6" MIN. INTO UNDISTURBED SIDE WALL OF TRENCH.

16" MIN. →

FABRIC

- STEEL ANCHOR EACH SIDE

POLYETHYLENE WHERE IN

-THRUST BLOCK-WRAP

MAIN SUPPLY LINE

VALVE BODY IN

PER TUCSON WATER SPECIFICATIONS. FOR

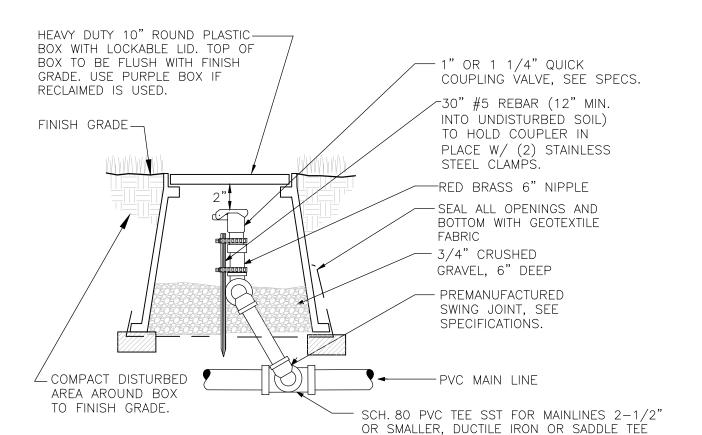
MAINLINES 3" AND LARGER

GATE VALVE (MAINLINE 2 1/2" AND LARGER)

MIN.

COT STD DETAIL NTS

COT STD DETAIL NTS



QUICK COUPLER ASSEMBLY

COT STD DETAIL NTS

LATERAL END CAP

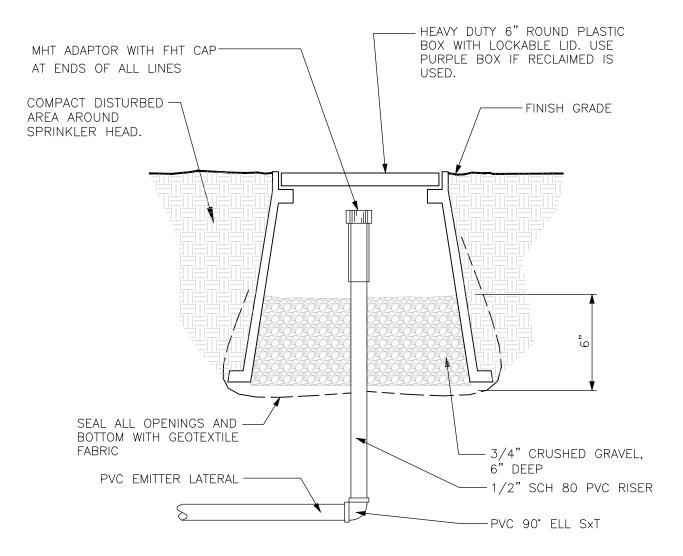
HEAVY DUTY CONCRETE METER BOX WITH HEAVY CAST-IRON LID, AS MANUFACTURED BY CONTRACTORS-ENGINEERS SUPPLY OR APPROVED EQUAL. TOP OF BOX TO BE FLUSH WITH FINISH WIRE CONNECTORS. SEE -GRADE. SUPPORT W/ONE BRICK AT EACH CORNER. ADD SPECIFICATIONS. EXTENSIONS AS NECESSARY. PAINT LID PURPLE IF REMOTE CONTROL VALVE, SEE RECLAIMED IS USED. SPECIFICATIONS. (SIZE PER — FINISH GRADE PLANS) PRESSURE REGULATING ----MODULE WHERE SPECIFIED __SEAL ALL OPENINGS AND SCH 80 PVC-BOTTOM WITH GEOTEXTILE THREADED UNION (ONE FABRIC EACH SIDE)(TxT) SAME SIZE AS ---—BALL VALVE (FULL PORT)-LARGEST LATERAL SAME SIZE AS RC VALVE PIPE IN ZONE - REDUCING ADAPTER IF TO HEADS-REQUIRED (SCH 80 PVC) ∽ SCH. 80 PVC ELL, TxT COUPLING W/-SCH 80 PVC NIPPLE (LENGTH REDUCING ADAPTER AS REQ'D), TxT IF REQUIRED SAME SIZE AS LARGEST-- WIRES FROM CONTROLLER 3/4 " CRUSHED GRAVEL — LATERAL PIPE IN ZONE (BUNDLE & TAPE EVERY 10') SUMP, 6" DEEP PVC MAINLINE (SIZE NOTED ON PLANS) SCH. 80 PVC TEE SST FOR MAINLINES 2 12" OR SMALLER, DUCTILE IRON OR SADDLE TEE PER TUCSON WATER SPECIFICATIONS. FOR MAINLINES 3" AND LARGER

1. ALL WIRE TO BE INSTALLED & SUPPLIED PER LOCAL CODE. 2. PROVIDE EXPANSION COIL AT EACH CONNECTION IN VALVE BOX (COIL WIRE AROUND $\frac{1}{2}$ " PIPE 10 TIMES). 3. DIAMETER OF FITTINGS LEADING TO AND FROM VALVE SHALL EQUAL CONTROL VALVE DIAMETER.

REMOTE CONTROL VALVE ASSEMBLY

- HEAVY DUTY CONCRETE METER BOX WITH HEAVY CAST-IRON LID, AS MANUFACTURED BY CONTRACTORS-ENGINEERS SUPPLY OR APPROVED EQUAL. (SEE SPECIFICATIONS FOR REMOTE CONTROL ----BOX SIZE.) SUPPORT W/ONE BRICK AT EACH CORNER. IF VALVE RECLAIMED IS USED, PAINT LID PURPLE. PLASTIC FILTER WITH ---200 MESH SCREEN FILTER TO INLCUDE — BRASS BALL VALVE 2' FLEXIBLE HOSE. INSTALL FILTER ON SIDE AT A SLIGHT ---- FINISH GRADE DOWNWARD ANGLE COMPACT DISTURBED ----PVC MAIN AREA AROUND VALVE BOX TO FINISH GRADE. 1" MIN.─ PVC LATERAL — ----PVC UNION EACH SIDE OF VALVE BRICK, ONE AT EACH-CORNER (TYP.) 3/4" CRUSHED-GRAVEL, 12" DEEP AND BOTTOM WITH GEOTEXTILE FABRIC

REMOTE CONTROL VALVE AND FILTER ASSEMBLY AT TREES COT STD DETAIL NTS



COT STD DETAIL NTS

COT STD DETAIL NTS

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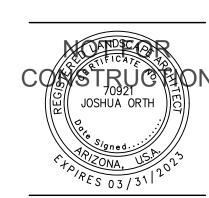
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DATE: 06/16/20 75% CD'S

SHEET TITLE: **IRRIGATION DETAILS**

SHEET 15 OF 15