

POLICE DEPARTMENT FACILITY REAR PARKING LOT IMPROVEMENTS

PROJECT NUMBER 103010
LAKE HAVASU CITY, AZ
AUGUST 2025

CITY COUNCIL

MAYOR: CAL SHEEHY
VICE MAYOR: MICHELE LIN
CITY COUNCIL: CAMERON MOSES
JENI COKE
JIM DOLAN
NANCY CAMPBELL
DAVID DIAZ

CITY MANAGER: JESS KNUDSON
PW DIRECTOR: RON FOGGIN
PROJECT MANAGER: BRENT CUMMINGS

UTILITY CONTACTS:

CITY OF LAKE HAVASU CITY (928) 855-3999
(WASTEWATER)

CITY OF LAKE HAVASU CITY (928) 855-2618
(WATER)

SUDDENLINK (928) 855-7815
(CABLE)

UNISOURCE ENERGY SERVICES (928) 505-7025
(GAS)

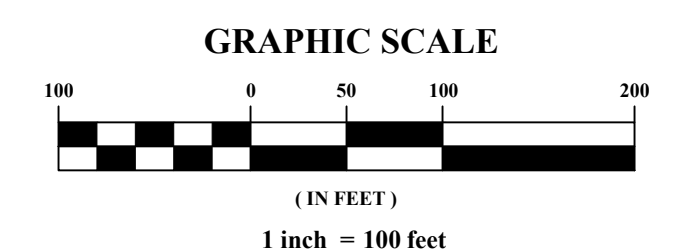
UNISOURCE ENERGY SERVICES (ELECTRIC) (928) 505-7031

ALLO FIBER (TELECOMMUNICATION) (928) 889-3255

BID ITEM QUANTITIES

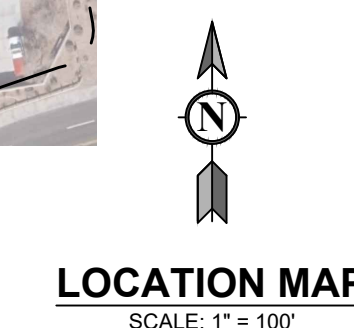
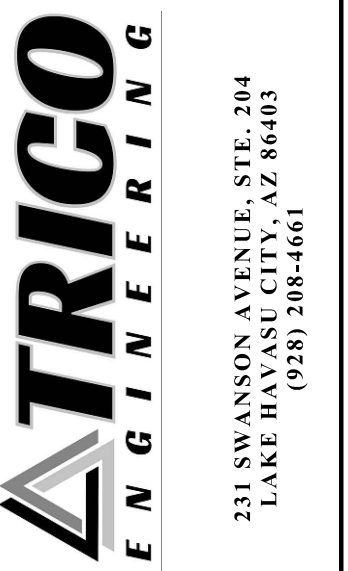
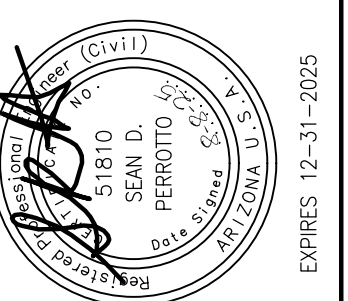
<u>BASE BID ITEM</u>	<u>QUANTITY</u>	<u>UNIT</u>
TREE REMOVAL:	6	EA
A.C. PAVEMENT REMOVAL:	77,541	SF
CONCRETE CURB REMOVAL:	389	LF
CONCRETE CURB & GUTTER REMOVAL:	57	LF
CMU WALL REMOVAL:	20	LF
GRADING:	1	LS
A.C. PAVEMENT (2" AC / 0"):	67,107	SF
CONCRETE VERTICAL CURB:	245	LF
CONCRETE CURB & GUTTER:	20	LF
POURED CONCRETE CEMENT (4" PCC / 0"):	18,483	SF
CMU RETAINING WALL:	94	LF
CMU FENCE WALL:	98	LF
LIGHT POLES WITH FOUNDATION:	3	EA
20-FT V-TRACK ROLLABLE GATE:	1	EA
1" DIAMETER CONDUIT:	716	LF

<u>ADD. ALT. ITEM NO. 1</u>	<u>QUANTITY</u>	<u>UNIT</u>
AUTOMATIC GATE OPERATOR WITH CARD READER PEDESTAL & BOLLARD	1	EA



DRAWING INDEX

NO.	TITLE
C-1	COVER SHEET
C-2	GENERAL NOTES
C-3	DEMOLITION PLAN
C-4	PAVING PLAN
C-5	PARKING LOT EXPANSION
C-6	PARKING LOT VOLUMES MAP
C-7	ELECTRICAL PLAN
C-8	GENERAL DETAILS

[illegible]

**POLICE DEPARTMENT FACILITY
REAR PARKING LOT IMPROVEMENTS
PROJECT NUMBER 103010**

LAKE HAVASU CITY
2330 MCCULLOCH BLVD. N.
LAKE HAVASU CITY, AZ 86403
(928) 855-2116



DATE:	AUGUST 8, 2025	DRAWN BY:	CCP
DWG SCALE:	1" = 100'	CHECKED BY:	EP/SDP
PROJECT NO:			25-062
APPROVED BY:			SDP

AWING NO.:

C-1

1. ALL WATER UTILITY CONSTRUCTION TO CONFORM TO AAC R18-5-502 AND AAC R18-4-119 WATER SYSTEM STANDARDS, ADEQ BULLETIN 10, LAKE HAVASU CITY STANDARDS AND SPECIFICATIONS, MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) STANDARD SPECIFICATIONS AND DETAILS UNLESS SPECIFICALLY MODIFIED ON THE PLANS.
2. THE OWNER SHALL BE NOTIFIED A MINIMUM OF 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION.
3. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE AND APPROVAL BY THE OWNER OR ENGINEER AND/OR ALL WORK MATERIALS NOT IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS IS SUBJECT TO REMOVAL AT THE CONTRACTOR'S EXPENSE.
4. NO JOB WILL BE CONSIDERED COMPLETE UNTIL ALL CURBS, PAVEMENT AND SIDEWALKS (NEW AND EXISTING) HAVE BEEN SWEEP CLEAN OF ALL DIRT AND DEBRIS.
5. THE CONTRACTOR SHALL KEEP SUITABLE EQUIPMENT ON HAND AT THE JOBSITE FOR MAINTENANCE DUST CONTROL, AND SHALL CONTROL DUST IN ACCORDANCE WITH CITY SPECIFICATIONS.
6. ASPHALT CONCRETE SHALL NOT BE PLACED ON SUBGRADE UNTIL SUBGRADE REQUIREMENTS HAVE BEEN COMPLETED PER THE PROJECT SPECIFICATIONS BY THE CONTRACTOR.
7. BACKFILL COMPACTION SHALL BE TYPE 1 (MAG 601) UNLESS OTHERWISE NOTED PER LHC STD DETAILS.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TRAFFIC CONTROL PLANS AS PART OF THE SUBMITTAL REVIEW REQUEST TO THE ENGINEER FOR APPROVAL NO LATER THAN 30 CALENDAR DAYS PRIOR TO THE PLANNED CONSTRUCTION IN THE AREA OF THE WORK, EXCEPT IN EMERGENCIES. ALL TRAFFIC CONTROL DEVICES SHALL BE WELL MAINTAINED AND COMPLY WITH ALL PERFORMANCE REQUIREMENTS WITHIN THE MUTCD AND THE LATEST REVISIONS THEREOF. NO STREET IS TO BE CLOSED, RESTRICTED, OR CONSTRUCTED UPON UNTIL A TRAFFIC PLAN IS APPROVED. CONTRACTOR SHALL MAINTAIN A MINIMUM ONE LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES OR AS NOTED IN THE SPECIFICATIONS.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF MAG AND THE CITY OF LAKE HAVASU STANDARDS, SPECIFICATIONS, AND DETAILS AS WELL AS ALL OTHER STANDARDS AND SPECIFICATIONS NECESSARY TO COMPLETELY AND ACCURATELY INTERPRET THESE PLANS.
10. REMOVAL OF STRUCTURES AND OBSTRUCTIONS AS NECESSARY TO COMPLETE THE WORK, OTHER THAN OR NOT OTHERWISE SPECIFICALLY SCHEDULED IN THE BID, IS INCIDENTAL TO THE CONTRACT. NO SEPARATE MEASUREMENT OF PAYMENT FOR UNSCHEDULED REMOVAL ITEMS WILL BE MADE.
11. CONSTRUCTION STAKING SHALL BE BY THE CONTRACTOR'S SURVEYOR WITH CONTROL PROVIDED WITHIN THE CONTRACT DOCUMENTS.
12. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FOLLOW THE MINIMUM COVER SHOWN WITH EXCEPTION TO THE LOCATIONS WHERE CONNECTING TO EXISTING MAIN LINE. ANY CHANGES MUST BE APPROVED BY ENGINEER.
13. THE OWNER RESERVES THE RIGHT TO ORDER ANY OR ALL WORKMANSHIP AND MATERIALS TO BE TESTED ACCORDING TO APPLICABLE STANDARDS.
14. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL REWORK AND/OR REMOVAL AND REPLACEMENT OF ALL MATERIALS AND/OR WORKMANSHIP REPRESENTED BY A FAILING TEST.
15. IN ACCORDANCE WITH SPECIFICATION 00800, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS OF TESTING AND QUALITY CONTROL AS DELINEATED IN THE CITY'S PROJECT SPECIFICATIONS. THE COST OF TESTING IS INCIDENTAL TO EACH ITEM OF WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE COST OF ANY CITY INSPECTION, AND TIME ASSOCIATED WITH, IF THE CONTRACTOR'S WORK IS BEING PERFORMED IN OVERTIME, AT NIGHT, OR ON WEEKENDS.
16. APPROVAL OF A PORTION OF THE WORK IN PROGRESS DOES NOT GUARANTEE ITS FINAL ACCEPTANCE. TESTING AND EVALUATION MAY CONTINUE UNTIL WRITTEN FINAL ACCEPTANCE OF A COMPLETE AND WORKABLE UNIT.
17. IN ACCORDANCE WITH SPECIFICATION 00700, THE OWNER MAY SUSPEND THE WORK BY WRITTEN NOTICE WHEN, IN ITS JUDGEMENT, PROGRESS IS UNSATISFACTORY, WORK BEING DONE IS UNAUTHORIZED OR DEFECTIVE, WEATHER CONDITIONS ARE UNSUITABLE, OR THERE IS A DANGER TO THE PUBLIC HEALTH OR SAFETY.
18. CLEARING AND GRUBBING IS CONSIDERED INCIDENTAL TO THE WORK UNLESS SEPARATELY IDENTIFIED IN THE BID SCHEDULE. NO SEPARATE MEASUREMENT OF OR PAYMENT FOR CLEARING, GRUBBING, AND TREE REMOVAL WILL BE MADE. THE SITE OF ALL EXCAVATION, EMBANKMENTS, AND FILLS SHALL FIRST BE CLEARED OF STUMPS, TRASH, WEEDS, RUBBISH, AND LOOSE BOULDERS WHICH SHALL BE REMOVED AND DISPOSED OF.
19. ALL FINISHED EDGES OF CONCRETE SHALL HAVE A 3/4" CHAMFER UNLESS OTHERWISE SPECIFIED ON PLANS.
20. IF AC PAVEMENT IS DAMAGED OR CRACKED DURING REMOVAL OF EXISTING CONCRETE DRIVEWAY, THE CONTRACTOR SHALL SAWCUT 12" FROM EDGE OF PAVEMENT. REMOVAL AND REPLACEMENT OF DAMAGED AC PAVEMENT SHALL BE IN KIND AT CONTRACTORS EXPENSE.
21. IF A SECTION OF CONCRETE NOT ADJACENT TO AC PAVEMENT IS REMOVED AND SURROUNDING CONCRETE IS CRACKED OR DAMAGED, CONTRACTOR SHALL REMOVE AND REPLACE IN KIND AT CONTRACTORS EXPENSE.
22. CONCRETE SURFACES TO HAVE A BROOM FINISH UNLESS OTHERWISE NOTED ON THE PLANS.
23. ALL CONCRETE TO BE AT LEAST 4,000 P.S.I. CLASS 'A' PORTLAND CEMENT CONCRETE UNLESS OTHERWISE SPECIFIED ON PLANS.
24. ALL EXPANSION JOINTS SHALL BE FILLED PER MAG STANDARDS.
25. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE BASED ON VISIBLE FIELD DATA AND AVAILABLE MAP RECORDS. THE CONTRACTOR SHALL CONTACT ARIZONA 811 PRIOR TO ANY EXCAVATION ACTIVITY TO LOCATE THE ACTUAL LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL BEAR THE COST TO PROTECT ANY AND ALL UTILITIES LOCATED BY BLUESTAKE AND/OR SHOWN ON THE PLANS. ADDITIONALLY, THE CONTRACTOR SHALL TAKE ALL REASONABLE EFFORT AND ACTION TO SATISFY HIMSELF ON THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING UTILITIES PRIOR TO TRENCHING. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY CONTRACTOR'S OPERATION SHALL BE REPORTED TO THE UTILITY OWNER IMMEDIATELY AND REPAIRED OR REPLACED AT NO COST TO THE OWNER.
26. IN ACCORDANCE WITH ARIZONA ADMINISTRATIVE CODE, SECTION R18-5-502, "MINIMUM DESIGN CRITERIA", WATER AND SEWER MAINS SHALL BE SEPARATED IN ORDER TO PROTECT PUBLIC WATER SYSTEMS FROM POSSIBLE CONTAMINATION. ALL DISTANCES ARE MEASURED PERPENDICULARLY FROM THE OUTSIDE OF THE SEWER MAIN TO THE OUTSIDE OF THE WATER MAIN. SEPARATION REQUIREMENTS ARE AS FOLLOWS:
 - 26.1. A WATER MAIN SHALL NOT BE PLACED:
 - 26.1.1. WITHIN 6 FEET, HORIZONTAL DISTANCE, AND BELOW 2 FEET, VERTICAL DISTANCE, ABOVE THE TOP OF A SEWER MAIN UNLESS EXTRA PROTECTION IS PROVIDED. EXTRA PROTECTION SHALL CONSIST OF CONSTRUCTING THE SEWER MAIN WITH MECHANICAL JOINT DUCTILE IRON PIPE WITH SLIP-JOINT DUCTILE IRON PIPE IF JOINT RESTRAINT IS PROVIDED. ALTERNATE EXTRA PROTECTION SHALL CONSIST OF ENCASEING BOTH THE WATER AND SEWER MAINS IN AT LEAST 6 INCHES OF CONCRETE FOR AT LEAST 10 FEET BEYOND THE AREA OF COVERED BY THE SUBSECTION (C)(1)(a)
 - 26.1.2. WITHIN 2 FEET HORIZONTALLY AND 2 FEET BELOW THE SEWER MAIN.
 - 26.1.3. NO WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF A SEWER MANHOLE. THE MINIMUM HORIZONTAL SEPARATION BETWEEN WATER MAINS AND MANHOLES SHALL BE 6 FEET, MEASURED FROM THE CENTER OF THE MANHOLE.
 - 26.2. THE MINIMUM SEPARATION BETWEEN FORCE MAINS OR PRESSURE SEWER AND WATER MAINS SHALL BE 2 FEET VERTICALLY AND 6 FEET HORIZONTALLY UNDER ALL CONDITIONS. WHERE A SEWER FORCE MAIN CROSSES ABOVE OR LESS THAN 6 FEET BELOW A WATER LINE, THE SEWER MAIN SHALL BE ENCASED IN AT LEAST 6 INCHES OF CONCRETE OR CONSTRUCTED USING MECHANICAL JOINT DUCTILE IRON PIPE FOR 10 FEET ON EITHER SIDE OF THE WATER MAIN.
27. HORIZONTAL DATUM IS BASED ON THE PUBLISHED 2005 LAKE HAVASU AERIAL MAPPING DATUM. COORDINATES ARE NAD83 (1992 ADJUSTMENT) GEODE 03 MODEL, ARIZONA STATE PLANE WEST ZONE, U.S. FOOT (39.37 DIVIDED BY 12), WITH ADDITIONAL INFORMATION LOCATED IN THE PROJECT CONTROL SECTION.
28. THE CONTRACTOR SHALL LIMIT THE WORK AREA TO PUBLIC RIGHT-OF-WAY AND PERMANENT EASEMENTS AS SHOWN FOR CONSTRUCTION OF THE PROJECT.
29. CONTRACTOR SHALL OBTAIN ANY ADDITIONAL TEMPORARY EASEMENTS OR USE AGREEMENTS THAT ARE DEEMED NECESSARY FOR CONSTRUCTION AT NO ADDITIONAL COST TO THE CITY. COPIES OF ALL CONTRACTOR OBTAINED EASEMENTS AND USE AGREEMENTS SHALL BE PROVIDED TO THE CITY'S REPRESENTATIVE PRIOR TO THE UTILIZATION OF THE SITE.
30. THE CONTRACTOR SHALL GRADE AND RESURFACE ALL AREAS DISTURBED BY CONSTRUCTION. IN ACCORDANCE WITH THE SPECIFICATIONS AND TO A CONDITION EQUAL TO, OR BETTER THAN, THE PRE-CONSTRUCTION CONDITION.
31. THE CONTRACTOR SHALL PROVIDE PROTECTION TO PREVENT UNDERMINING OR DAMAGING THE STRUCTURAL INTEGRITY OF ALL POWER POLES, FENCES, BLOCK WALLS, SCREEN WALLS, RETAINING WALLS, HIGHWAY AND STREET SIGNS, OTHER UTILITY POLES, OR OTHER PRIVATE OR PUBLIC IMPROVEMENTS WITHIN THE PROJECT AREA. THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNING UTILITY AS NECESSARY TO PROVIDE TEMPORARY SUPPORT OR PROTECTION DURING CONSTRUCTION WORK, AND SHALL NEATLY REMOVE AND PROMPTLY REPLACE NON UTILITY IMPROVEMENTS WITHOUT UNDUE DISRUPTION. THE COST OF ALL SUCH PROTECTION, REMOVAL, AND REPLACEMENT REQUIRED TO COMPLETE THE

PROJECT SHALL BE SUBSIDIARY TO OTHER BID ITEMS.

32. THE CONTRACTOR SHALL TAKE ALL APPROPRIATE STEPS TO MAINTAIN CONTINUOUS UTILITY SERVICE TO RESIDENTS AND BUSINESSES WITHIN THE PROJECT AREA. MANY EXISTING WATER AND GAS LINES ARE MORE THAN 30 YEARS OLD. PROPOSED METHOD OF CROSSING AND/OR SUPPORT OF UTILITIES SHALL BE APPROVED BY UTILITY OWNER IN ADVANCE OF WORK. MANY LOCAL WATER LINES ARE CONSTRUCTED OF ASBESTOS CEMENT. GAS LINES ARE REPORTED TO BE BRITTLE, SO CLOSE COORDINATION WITH THE UTILITY OWNER'S WILL BE NECESSARY TO AVOID DAMAGE. PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.

33. ALL GRAVEL DRIVES AND GRAVEL ROADS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH A MINIMUM OF SIX INCHES (6") OF GRANULAR BACKFILL AS SPECIFIED IN SECTION 02300 AND SHALL BE CONSIDERED SUBSIDIARY TO OTHER PAY ITEMS.

34. THE CONTRACTOR SHALL REMOVE ALL FENCING, ASPHALT AND CONCRETE ROADS AND DRIVEWAYS, CURB AND GUTTER, RIP-RAP, LANDSCAPING, DRAINAGE CULVERTS, MAILBOXES, LANDSCAPING AND ASSOCIATED APPURTENANCES AS REQUIRED FOR CONSTRUCTION PURPOSES. ALL ITEMS DAMAGED, REMOVED, OR DISTURBED SHALL BE RESTORED IN ACCORDANCE WITH THE SPECIFICATION TO A CONDITION EQUAL TO, OR BETTER THAN, THEIR CONDITION PRIOR TO THE START OF THE PROJECT. ITEMS OF WORK NOT SPECIFICALLY INCLUDED IN THE MEASUREMENTS AND PAYMENT SECTION OF THE SPECIFICATIONS SHALL BE CONSIDERED SUBSIDIARY AND INCIDENTAL TO OTHER BID ITEMS AND SHALL NOT BE PAID FOR SEPARATELY.

35. IN ACCORDANCE WITH SPECIFICATION 00800, THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO PREVENT EROSION OF MATERIAL FROM THE WORK AREA AND DEPOSITION OF SEDIMENTS INTO WATER COURSES OR DRAINAGE SWALES. THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN PRIOR TO THE START OF ANY EXCAVATION. ALL EROSION AND SEDIMENT CONTROL WORK SHALL BE INCIDENTAL TO THE OTHER PAY ITEMS.

36. AERIAL TOPOGRAPHY PERFORMED BY:
MAPCON DATED: DECEMBER 2019
ORIGINAL DOCUMENT BOOK ON FILE AT THE OFFICE OF THE CITY ENGINEER.

37. ALL STREET CENTERLINES HAVE EXISTING PINS AT THE INTERSECTION OF THE STREET CENTERLINES AND SHALL BE PROTECTED IN PLACE. IF A PIN IS DISTURBED OR REMOVED, THE CONTRACTOR SHALL ARRANGE AND PAY FOR AN ARIZONA REGISTERED LAND SURVEYOR TO DETERMINE THE COORDINATES FOR EACH PIN PRIOR TO CONSTRUCTION AND TO REPLACE THE PINS WITH 4½" X ¾" MAG NAIL WITH WASHER AND SURVEYOR INFORMATION STAMPED ON WASHER TO THE SAME LOCATION AFTER RESURFACING. ALL REQUIRED SURVEY WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND WILL BE SUBSIDIARY TO OTHER PAY ITEMS.

38. EXISTING WATER VALVES AND MANHOLES HAVE AN 8-INCH THICK CONCRETE COLLAR AT THE PAVEMENT SURFACE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL NEW CONCRETE COLLARS ON NEW MANHOLES AND VALVE BOXES. EXISTING VALVE BOXES AND MANHOLES THAT ARE DISTURBED DURING CONSTRUCTION, AND WHERE THE NEW ASPHALT SURFACE IS PLACED TO AN ELEVATION HIGHER THAN EXISTING VALVE BOX OR MANHOLE COVER, THIS ITEM OF WORK IS SUBSIDIARY TO OTHER PAY ITEMS. ALL VALVE BOXES WITHIN THE DISTURBED PROJECT AREA SHALL BE ADJUSTED IN ACCORDANCE WITH MAG DETAIL 391-1A.

39. ANY AND ALL SOILS, INCLUDING ROCK, ENCOUNTERED DURING EXCAVATION SHALL BE CONSIDERED UNCLASSIFIED AND SHALL BE INCIDENTAL TO OTHER ITEMS OF WORK.

40. ANY SHORING REQUIRED SHALL BE CONSIDERED MEANS AND METHODS INCIDENTAL TO OTHER ITEMS OF WORK.

41. CONTRACTOR SHALL SCHEDULE WATER SHUTDOWNS AND SEWER WORK SO AS TO NOT DISRUPT SERVICE TO SCHOOLS, HOSPITALS, DAY CARE FACILITIES, ETC. IN ACCORDANCE WITH ARIZONA STATE LAW.

42. RIGHT-OF-WAY AND PROPERTY LINES SHOWN ON DRAWINGS ARE APPROXIMATE. CONTRACTOR WILL NEED TO FIELD VERIFY LINES PERTAINING TO SCOPED WORK PRIOR TO CONSTRUCTION.

43. ALL RESTRAINED PIPE SHALL BE PER SPECIFICATION 02550 2.7. JOINT RESTRAINTS SHALL BE EBAA IRON SERIES 15PF00 OR EQUAL. ALL JOINT RESTRAINTS SHALL BE DOUBLE POLY WRAPPED & TAPED. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTRAINING ANY NECESSARY BENDS USED WITHIN THE PROJECT LIMITS. CONTRACTOR TO PROVIDE JOINT RESTRAINT PLAN.

44. ALL LANDSCAPING DISTURBED SHALL BE REPLACED AT EQUAL OR BETTER CONDITION THAN EXISTING.

45. CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION TO VERIFY ALIGNMENT AND DEPTH. THIS WORK SHALL BE INCIDENTAL TO INSTALLATION OF THE WATERLINE.

46. IN ACCORDANCE WITH ADEQ REQUIREMENTS, CONTRACTOR IS RESPONSIBLE FOR PIPE PROTECTION WHERE MINIMUM SEPARATION CANNOT BE MAINTAINED.

47. CONTRACTOR SHALL PERFORM ALL TESTING AND DISINFECTING OF THE WATER LINES PER THE CITY OF LAKE HAVASU SPECIFICATION 02550, PROJECT SPECIFICATION 02666, AND THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) REGULATIONS IN BULLETIN NO. 8.

48. ALL WATER MAINS SHALL BE BURIED WITH 14 GAUGE DIRECT BURY TRACE WIRE.

49. EXACT SLOPES FOR EXISTING PIPES ARE UNKNOWN. CONTRACTOR SHALL ADJUST PIPE ACCORDINGLY TO MATCH EXACT FIELD CONDITIONS. IF THE USE OF FLEX COUPLINGS IS NECESSARY, THIS SHALL BE INCIDENTAL TO THE WATERLINE INSTALLATION BID ITEM.

50. ALL DUCTILE IRON FITTINGS, VALVES, AND PIPE ARE TO BE WRAPPED WITH POLY-ETHYLENE ENCASEMENT.

51. ALL PIPE, FITTINGS, FIRE HYDRANTS & OTHER APPURTENANCES IN DIRECT CONTACT WITH POTABLE WATER SHALL BE NATIONAL SANITATION FOUNDATION (NSF) 61 CERTIFIED. PLASTIC PIPE SHALL BEAR THE NSF SEAL FOR POTABLE WATER USE (NSF-PW).

52. ALL PROJECT LOCATIONS LIE WITHIN FEA ZONE X.

53. THE CONTRACTOR SHALL TAKE ALL REASONABLE EFFORT AND ACTION TO SATISFY HIMSELF ON THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING SEWER LATERALS PRIOR TO TRENCHING MAINLINE.

54. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS AND SATISFY HIMSELF OF THE EXISTING CONDITIONS AS SHOWN IN THE PLANS PRIOR TO FIRE HYDRANT ASSEMBLY SUBMITTALS. THE CONTRACTOR SHALL INCLUDE SUPPORTING DOCUMENTATION IN A SCHEDULE TYPE FORMAT CONFIRMING THE APPROPRIATE BARREL LENGTH TO MATCH THE FIELD CONDITION. APPROVAL BY OWNER/ENGINEER SHALL BE OBTAINED PRIOR TO THE ORDERING OF MATERIALS. CONTRACTOR IS RESPONSIBLE FOR APPROPRIATE BARREL LENGTH TO ACCOMMODATE ANY CHANGE IN GRADE OR PIPE ELEVATION THAT OCCURS DURING CONSTRUCTION DUE TO AN EXISTING CONDITION. THE CONTRACTOR SHALL BEAR COST OF ANY NECESSARY FITTING TO ACCOMMODATE FIRE LINE ADJUSTMENTS OR ADJUSTED BARREL LENGTHS TO MEET APPROPRIATE GRADE. OWNER SHALL BEAR NO ADDITIONAL COSTS FOR CHANGES IN BARREL AND/OR LINE LENGTH.

55. ENGINEER ASSUMES THAT EACH DEVELOPED LOT ADJACENT TO THE PUBLIC RIGHT-OF-WAY REFLECTED IN THESE PLANS WILL HAVE AT LEAST ONE (1) SANITARY SEWER LATERAL EXTENDING TO THE EXISTING PUBLIC SANITARY SEWER MAIN. A REVIEW OF PUBLIC RECORDS WAS UNABLE TO ASCERTAIN THE EXISTING LATERAL LOCATIONS TO A DEGREE OF CERTAINTY. CONTRACTOR IS ADVISED TO FOLLOW GENERAL NOTE NUMBER 7 ON SHEET 2 OF 24 PRIOR TO CONSTRUCTION. ANCILLARY TO THE REPLACEMENT OF THE EXISTING WATER MAINS, AND SHALL BE PROMPTLY REPAIRED IN KIND BY THE CONTRACTOR AT NO ADDITIONAL COST OR SCHEDULE ESCALATION TO THE OWNER.

56. ALL ASBESTOS CONCRETE PIPE SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH PROJECT SPECIFICATION SECTION 02050.

57. ALL PIPE THAT IS TO BE ABANDONED IN PLACE SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATION SECTION 02550.

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EXISTING TELEPHONE
EXISTING SANITARY SEWER
EXISTING WATER MAIN
EXISTING GAS MAIN
EXISTING OVERHEAD UTILITY
EXISTING FORCE MAIN
EXISTING CONTOURS
EXISTING ENTITY TO BE REMOVED
RIGHT-OF-WAY
ADJACENT PROPERTY LINE
PROPOSED WATER MAIN
CONCRETE TO BE REMOVED AND REPLACED
AC PAVEMENT TO BE REMOVED AND REPLACED
EXISTING BLOW OFF IN METER BOX
EXISTING WATER SERVICE METER BOX
EXISTING DECORATIVE MAILBOX
EXISTING WATER VALVE
EXISTING FIRE HYDRANT
EXISTING MANHOLE (SANITARY)
EXISTING CLEANOUT (SANITARY)
PROPOSED WATER VALVE
PROPOSED FIRE HYDRANT
PROPOSED VACUUM/AIR VALVE
PROPOSED BLOW-OFF
PROPOSED CAP
POTHOLE LOCATION, WITH NUMBER
THRUST BLOCK

SAID DESCRIBED PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION "ZONE X" AS SHOWN ON FLOOD INSURANCE RATE MAP NO. 04015C6176G, WITH A DATE OF IDENTIFICATION OF NOVEMBER 18, 2009, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH SAID PROPERTY IS SITUATED.

ACP	ABANDONED	HDPE	HIGH DENSITY POLYETHYLENE PIPE
AGGR	ASBESTOS CEMENT PIPE	LF	LEFT
APVD	AGGREGATE	LF	LINEAR FEET
ARCH	APPROVED	MAX	MAXIMUM
AUX	ARCHITECTURAL	MH	MANHOLE
AVG	AUXILIARY	MIN	MINIMUM
	AVERAGE	MISC	MISCELLANEOUS
BLDG	AT	N	NORTH
BOP	BUILDING	NTS	NOT TO SCALE
BVCE	BOTTOM OF PIPE	OHP	OVERHEAD POWER
BVCS	BEGINNING OF VERTICAL CURB ELEVATION	P	PRESSURIZED
B/C	BEGINNING OF VERTICAL CURB STATION	PIV	POST INDICATOR VALVE
CONC	BACK OF CURB	PRCE	POINT OF REVERSE CURVATURE ELEVATION
CONN	CONCRETE	PRCS	POINT OF REVERSE CURVATURE STATION
CR	CONNECTION	PROP	PROPOSED
CF	CURB RETURN	PSI	POUNDS PER SQUARE INCH
CCY	CUBIC FOOT, FEET	PVC	POLYVINYL CHLORIDE
DC	CUBIC YARD	PVMT	PAVEMENT
DY	DOUBLE-DETECTOR-CHECK VALVE	RT	RIGHT
DI	DUCTILE IRON	R	RADIUS
DIA	DIAMETER	RW / ROW	RIGHT OF WAY
DWG	DRAWING	S	SOUTH
EOP	EDGE OF PAVEMENT	SAN	SANITARY SEWER
EVC	END OF VERTICAL CURB	SF	SQUARE FOOT, FEET
E	EAST	SY	SQUARE YARDS
ESMT	EASEMENT	STA	STATION
EXST	EXISTING	STD	STANDARD
EXT	EXTERIOR	TAN	TANGENT
FG	FINISH FLOOR	TH#	TESTHOLE (NUMBER)
FG	FINISH GRADE	THRU	THROUGH
FF	FIRE HYDRANT	TOP	TOP-OF-PIPE
FIG	FIGURE	TOW	TOP-OF-WALL
FS	FINISH SURFACE	TYP	TYPICAL
GV	GATE VALVE	W	WEST
GFI	GROUND FAULT INTERRUPTER		

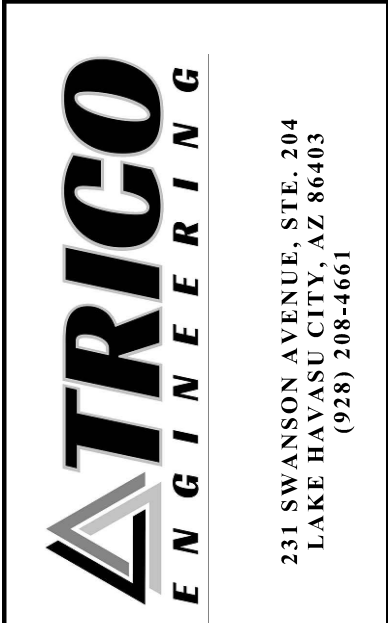
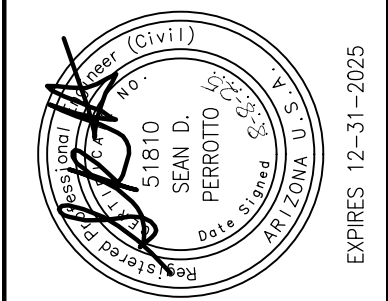
DATUM: NAD83
PROJECTION: ARIZONA STATE PLANE (WEST)
LINEAR UNIT: US FEET
COORDINATE: GRID
GEOID: GEOID 2003, UNIT 05

CITY BASE STATION:
N=1265542.33 --- E=528326.69 ---
ELEV=773.83

US HARN POINT - HAVASU:
NGS ORDER A: STAINLESS STEEL ROD IN
HANDHOLE MARKED HAVASU 92
N=1298017.10 --- E=515892.32 ---
ELEV=696.75

LAKE HAVASU CITY SURVEY MONUMENT - SARA
2005 AERIAL CONTROL CAP
N=1254812.07 --- E=550796.23 ---
ELEV=1060.40

LAKE HAVASU CITY SURVEY MONUMENT - CP1:
G.P.S. CONTROL MONUMENT 1997 IN HANDHOLE
N=1267052.09 --- E=544522.51 ---
ELEV=1209.68

[illegible]

**ICE DEPARTMENT FACILITY
PARKING LOT IMPROVEMENTS
PROJECT NUMBER 103010**

LAKE HAVASU CITY
2330 MCCULLOCH BLVD. N.
LAKE HAVASU CITY, AZ 86403
(938) 855-2116

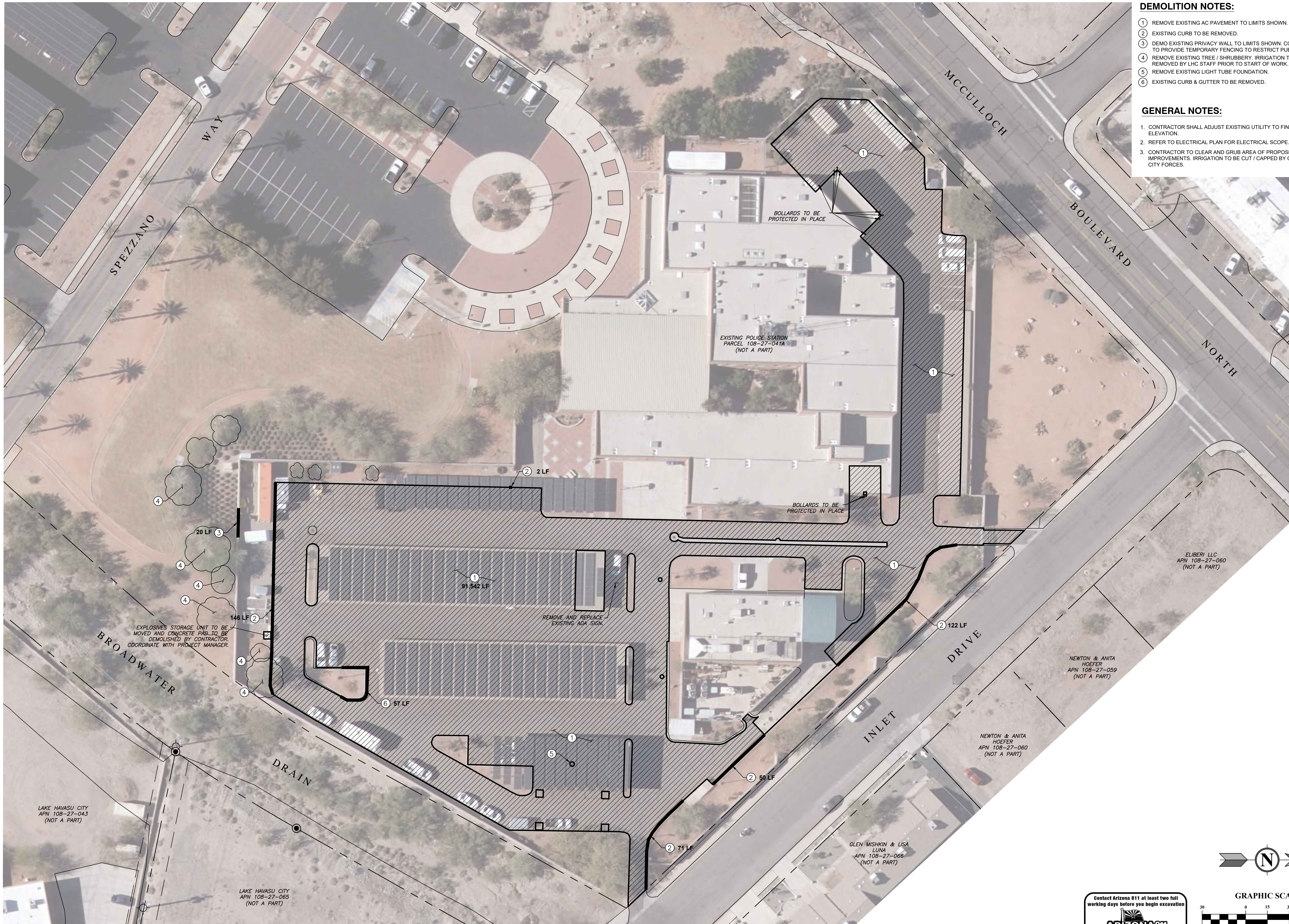


GENERAL NOTES	DATE:	AUGUST 8, 2025	DRAWN BY:	CCP
	DWG SCALE:		CHECKED BY:	EJP/SDP
	PROJECT NO:			25-062
	APPROVED BY:			SDP

DRAWING NO.:

C-2

A:\Trico Engineering LLC\Projects\2025\25-062 - LAC PD Parking Lot\CAD\Improvements\25-062_02_Demolition Plan.dwg 15/08/2025 - 15/08/2025 12:42 PM



DEMOLITION NOTES:

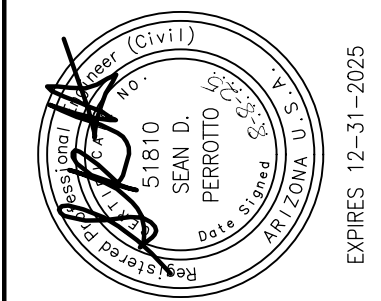
- 1 REMOVE EXISTING AC PAVEMENT TO LIMITS SHOWN.
- 2 EXISTING CURB TO BE REMOVED.
- 3 DEMO EXISTING PRIVACY WALL TO LIMITS SHOWN. CONTRACTOR TO PROVIDE TEMPORARY FENCING TO RESTRICT PUBLIC ACCESS.
- 4 REMOVE EXISTING TREE / SHRUBBERY. IRRIGATION TO BE REMOVED BY LHC STAFF PRIOR TO START OF WORK.
- 5 REMOVE EXISTING LIGHT TUBE FOUNDATION.
- 6 EXISTING CURB & GUTTER TO BE REMOVED.

GENERAL NOTES:

1. CONTRACTOR SHALL ADJUST EXISTING UTILITY TO FINISHED GRADE ELEVATION.
2. REFER TO ELECTRICAL PLAN FOR ELECTRICAL SCOPE.
3. CONTRACTOR TO CLEAR AND GRUB AREA OF PROPOSED IMPROVEMENTS. IRRIGATION TO BE CUT / CAPPED BY OTHERS / CITY FORCES.

REVISION RECORD

NO	DATE	DESCRIPTION



TRICO
ENGINEERING

231 SWANSON AVENUE, STE. 204
LAKE HAVASU CITY, AZ 86403
(928) 208-4661

POLICE DEPARTMENT FACILITY
REAR PARKING LOT IMPROVEMENTS
PROJECT NUMBER 103010

LAKE HAVASU CITY
2330 MCCULLOCH BLVD. N.
LAKE HAVASU CITY, AZ 86403
(928) 855-2116



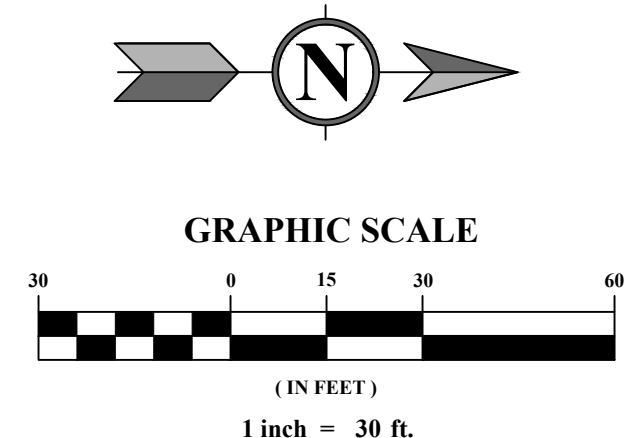
DATE	APPROVED BY	CCP
AUGUST 8, 2025	DRAWN BY:	EIP/SDP
DWG SCALE:	CHECKED BY:	25-062
PROJECT NO:	APPROVED BY:	SDP

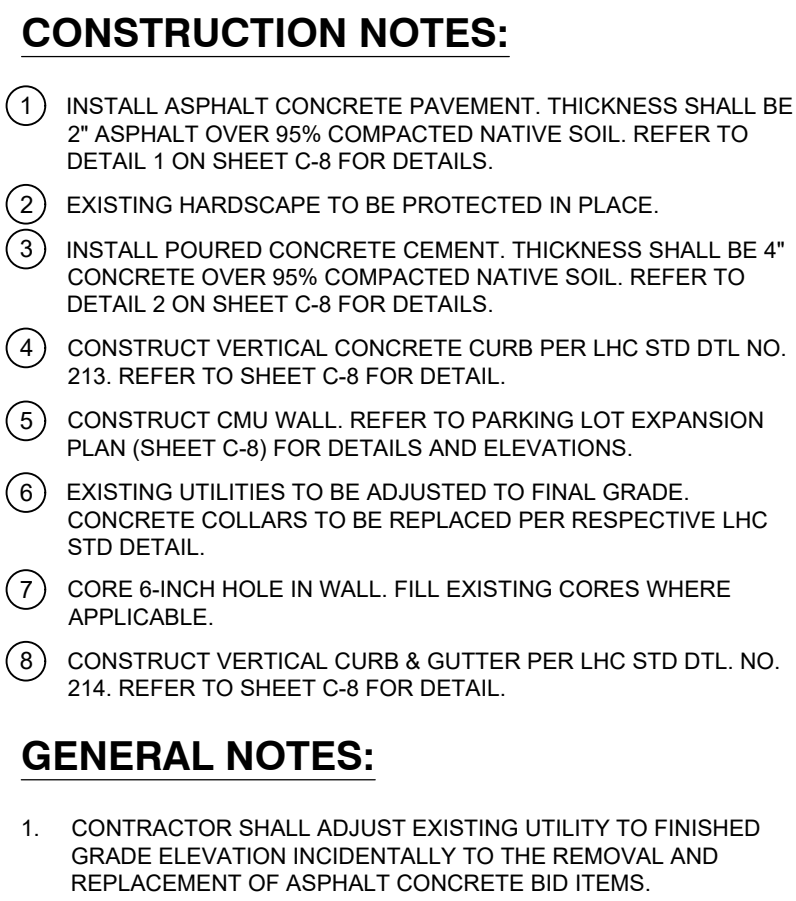
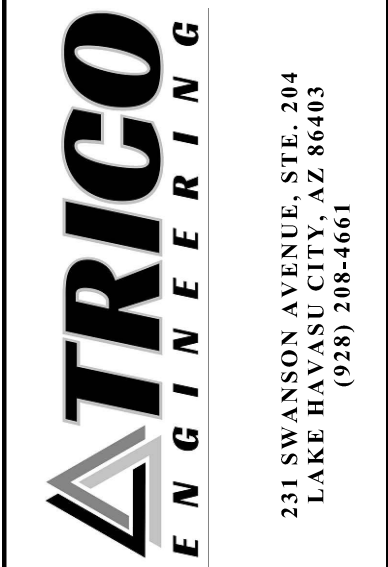
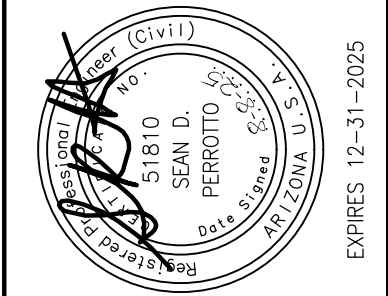
DRAWING NO.:
C-3

Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA811

Call 811 or click Arizona811.com



[illegible]

**POLICE DEPARTMENT FACILITY
REAR PARKING LOT IMPROVEMENTS
PROJECT NUMBER 103010**
LAKE HAVASU CITY
2330 MCCULLOCH BLVD. N.
LAKE HAVASU CITY, AZ 86403
(928) 852-2116



PAVING PLAN	DATE:	AUGUST 8, 2025	DRAWN BY:	CCP
	DWG SCALE:		1"=30'	EJP/SDP
	PROJECT NO:			25-662
	APPROVED BY:			SDP

DRAWING NO.:

C-4

F:\Treo Engineering LLC\Projects\2025\25-062 - LHC PD Parking Lot\CAD\Improvements\25-062_04_Paving Plan.dwg (S:\8\8\2025 - enicerratto) - (P: 8/8/2025 11:16 AM

BROADWATER DRAIN

PROPOSED PRIVACY & RETAINING WALL

PROPOSED AC PAVEMENT

2.0% MAX SLOPE

EXISTING WALL TO BE REMOVED

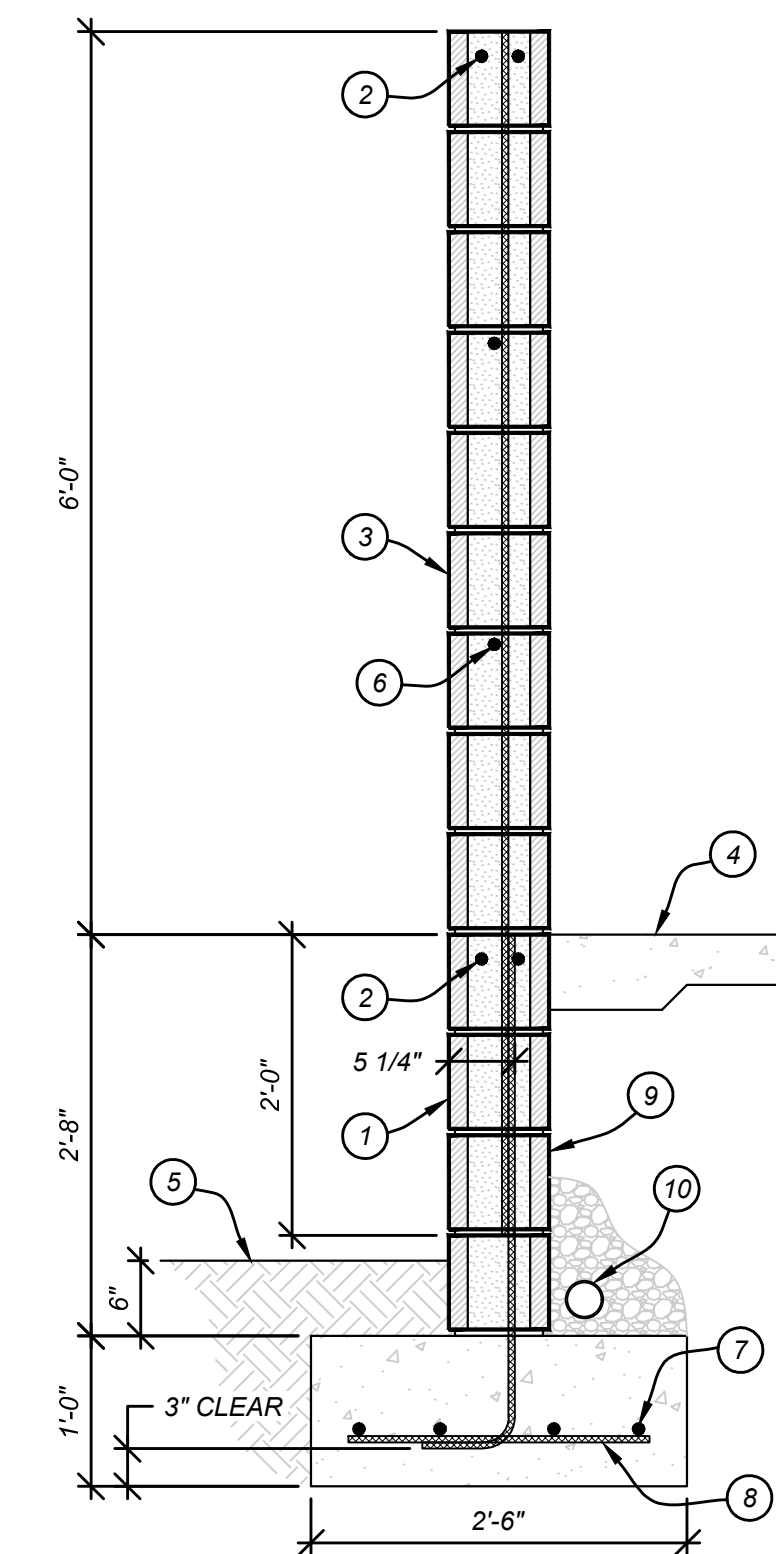
EXISTING CURB TO BE REMOVED

EXISTING SURFACE

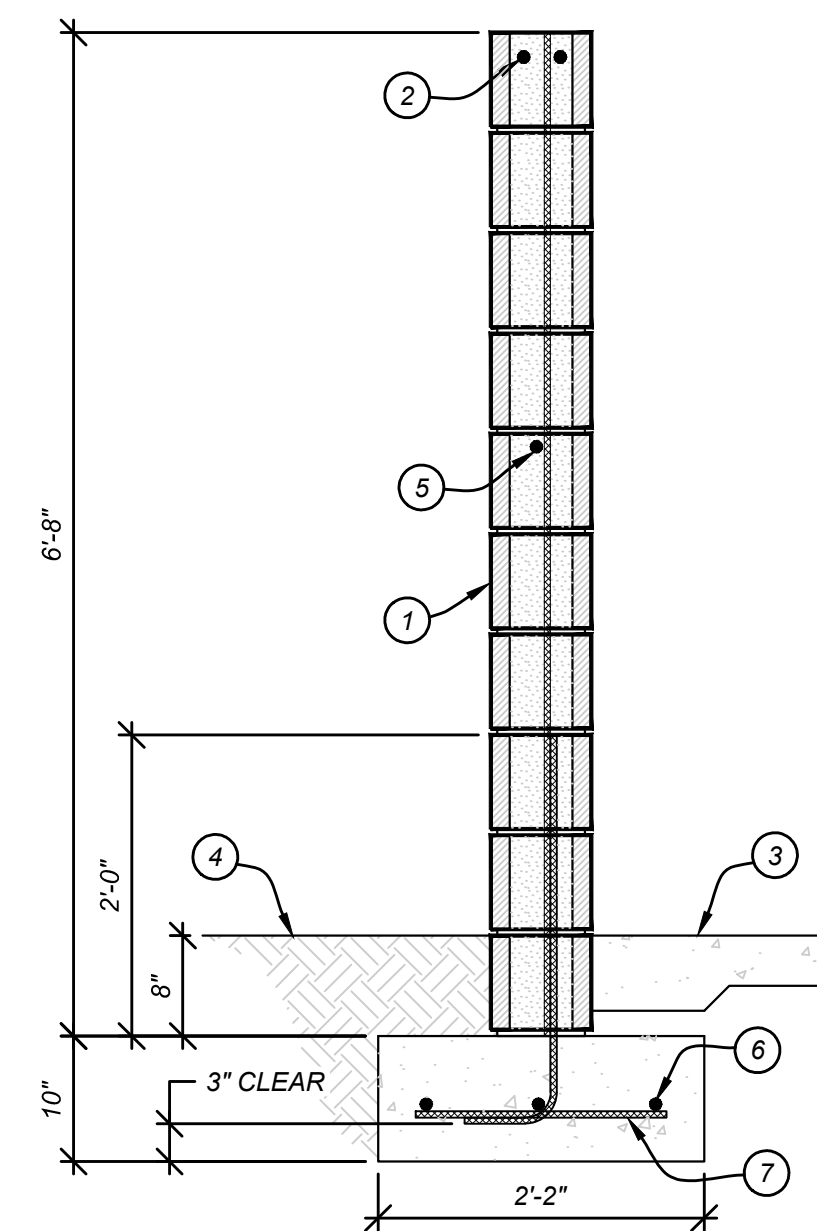
(LHCPD (PARKING LOT))

[illegible]

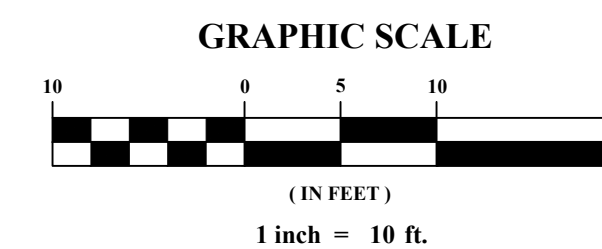
1. LIGHT POLE PER MANUFACTURER.
2. 30" DIAMETER CONCRETE CAISSON FOOTING
3. ANCHOR BOLTS PER LIGHT POLE MANUFACTURER.
4. FINISH GRADE PER PLAN.
5. SLOPE CONCRETE AWAY FROM LIGHT POLE FOR DRAINAGE.
6. (4) - #5 VERTICAL REBAR.
7. #3 REBAR TIES AT 12" O.C.
8. (3) - #3 REBAR TIES AT 3" O.C. AT TOP OF CAISSON.
9. ± 1 1/2" NON-SHRINK GROUT.



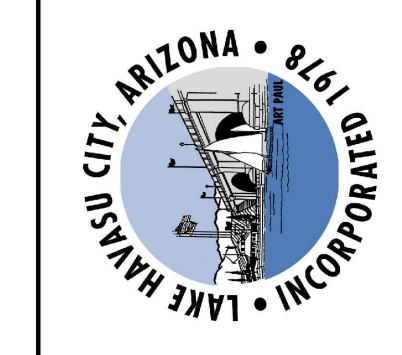
1. 8" CMU RETAINING WALL GROUTED SOLID W/ #4 VERTICAL REBAR AT 16" O.C.
2. BOND BEAM W/ (2) - #4 REBAR CONTINUOUS.
3. 8" CMU FENCE WALL PARTIALLY GROUTED W/ #4 VERTICAL REBAR AT 48" O.C.
4. CONCRETE SLAB PER PLAN.
5. FINISH GRADE PER PLAN.
6. BOND BEAM W/ (1) - #4 REBAR AT 24" O.C. CONTINUOUS.
7. (4) - #4 REBAR CONTINUOUS.
8. #4 REBAR AT 8" O.C.
9. WATER PROOF BACK OF RETAINING WALL W/ MEL-ROL MEMBRANE OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
10. 3" PERFORATED DRAINAGE PIPE AT BASE OF FOOTING WRAPPED W/ FILTER FABRIC AND 3/4" GRAVEL AROUND THE PIPE. DRAIN PIPE MUST DAYLIGHT.



1. 8" CMU RETAINING WALL PARTIALLY GROUTED
W/ #4 VERTICAL REBAR AT 48" O.C.
2. BOND BEAM W/ (2) - #4 REBAR CONTINUOUS.
3. CONCRETE SLAB PER PLAN.
4. FINISH GRADE PER PLAN.
5. BOND BEAM W/ (1) - #4 REBAR AT 48" O.C.
CONTINUOUS.
6. (3) - #4 REBAR CONTINUOUS.
7. #4 REBAR AT 12" O.C.

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**POLICE DEPARTMENT FACILITY
REAR PARKING LOT IMPROVEMENTS
PROJECT NUMBER 103010**



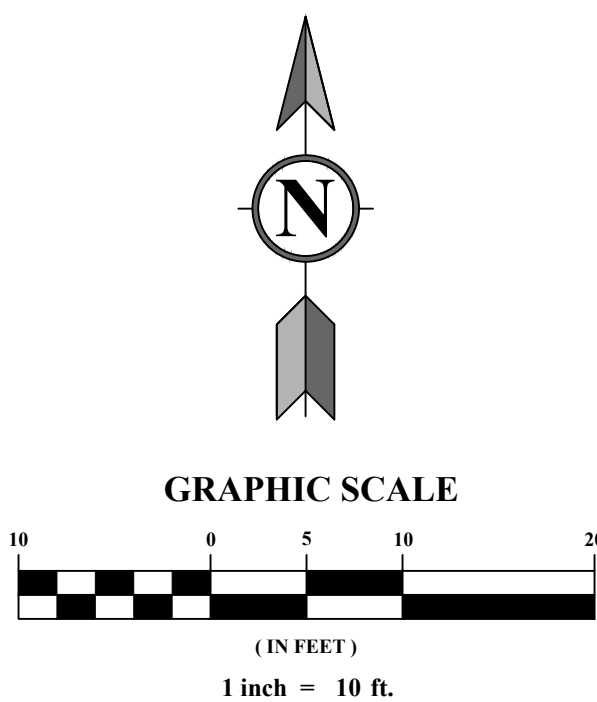
PARKING LOT EXHIBIT

DATE:	AUGUST 8, 2025	DRAWN BY:	CCP
DWG SCALE:	1"=10'	CHECKED BY:	EJP/SDP
PROJECT NO:			25-062
APPROVED BY:			SDP

DRAWING NO.:

C-5

EARTHWORK VOLUMES ARE CALCULATED BASED UPON AN ASSUMED SUBGRADE SURFACE 4-INCHES BELOW THE FINISHED SURFACE CONTOURS AS SHOWN IN THESE PLANS. THE QUANTITIES SHOWN ARE A RAW CALCULATED ESTIMATE AND MAY NOT REFLECT ACTUAL QUANTITIES OBSERVED DURING CONSTRUCTION. THE CONTRACTOR SHALL PERFORM THEIR OWN CALCULATION TO OBTAIN BID QUANTITIES.

[illegible]

A:\Trico Engineering LLC\Projects\2025\25-062 - LAC PD Parking Lot\CAD\Improvements\25-062_02_Electrical\Plan.dwg LSCB/7/2025 -- MONUMENTS -- LP 8/9/2025 11:30 AM



ELECTRICAL NOTES:

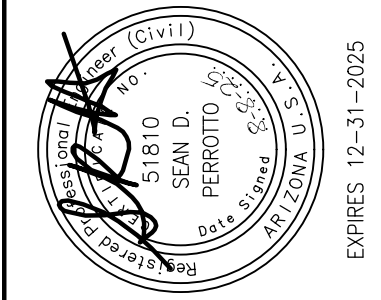
1. INSTALL NEW FOUNDATION, POLE, AND LIGHT PER DETAIL D ON SHEET C-5. LIGHT TO MATCH EXISTING. CAMERA CONDUITS AND WIRING TO EXTEND 10-12 FEET ABOVE GROUND LEVEL. CAMERAS TO BE INSTALLED BY CITY FORCES.
2. CONNECT TO NEW SUB-PANEL INSTALLED BY CITY FORCES.
3. INSTALL 1-INCH FIBER-OPTIC CONDUIT ON WALL 24-INCHES ABOVE GROUND. MAINTAIN SLOPE OF PROPOSED GRADE.
4. INSTALL 1-INCH ELECTRICAL CONDUIT ON WALL 24-INCHES ABOVE EXISTING GRADE, INSTALL UNDERGROUND TO GATE OPENER AND WALL EXPANSION AREA.
5. INSTALL 20-FOOT GATE ON V-TRACK SYSTEM.
6. CONTRACTOR TO REMOVE ELECTRICAL CONNECTION TO EXISTING LIGHT POLE FOUNDATION.
7. ADD ALT. ITEM NO. 1: CONTRACTOR TO INSTALL AUTOMATIC GATE OPERATOR AND CARD READER WITH BOLLARD.

GENERAL NOTES:

1. CAMERAS TO BE PROVIDED BY CITY FORCES.
2. CONTRACTOR TO WORK AROUND EXISTING CONDUIT ON WALL WHEN INSTALLING PROPOSED CONDUITS.
3. CONTRACTOR SHALL USE SWEEPS, NOT BENDS, WHERE APPLICABLE.

REVISION RECORD

NO	DATE	DESCRIPTION



TRICO
ENGINEERING

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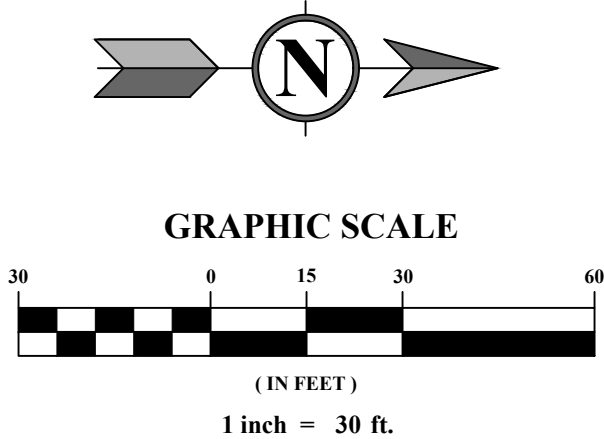


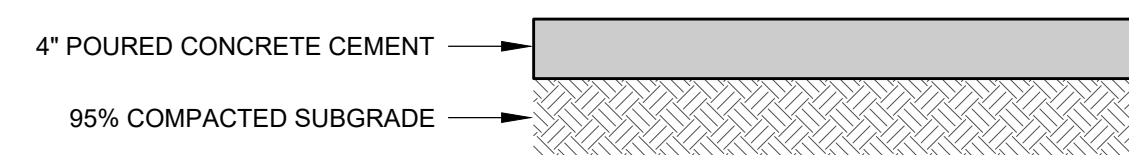
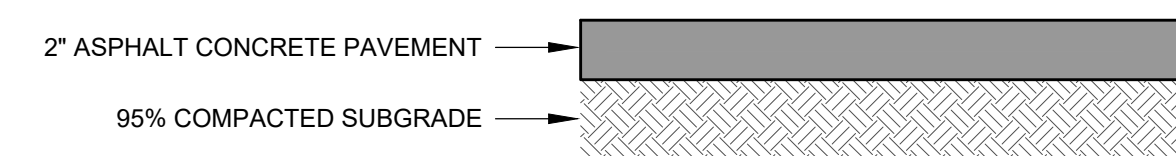
ELECTRICAL PLAN			
DATE:	AUGUST 8, 2025	DRAWN BY:	CCP
DWG SCALE:	1"=30'	CHECKED BY:	EP/SDP
PROJECT NO:	25-062	APPROVED BY:	SDP

DRAWING NO.: **C-7**

Contact Arizona 811 at least two full working days before you begin excavation

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