

DEMOLITION LEGEND:

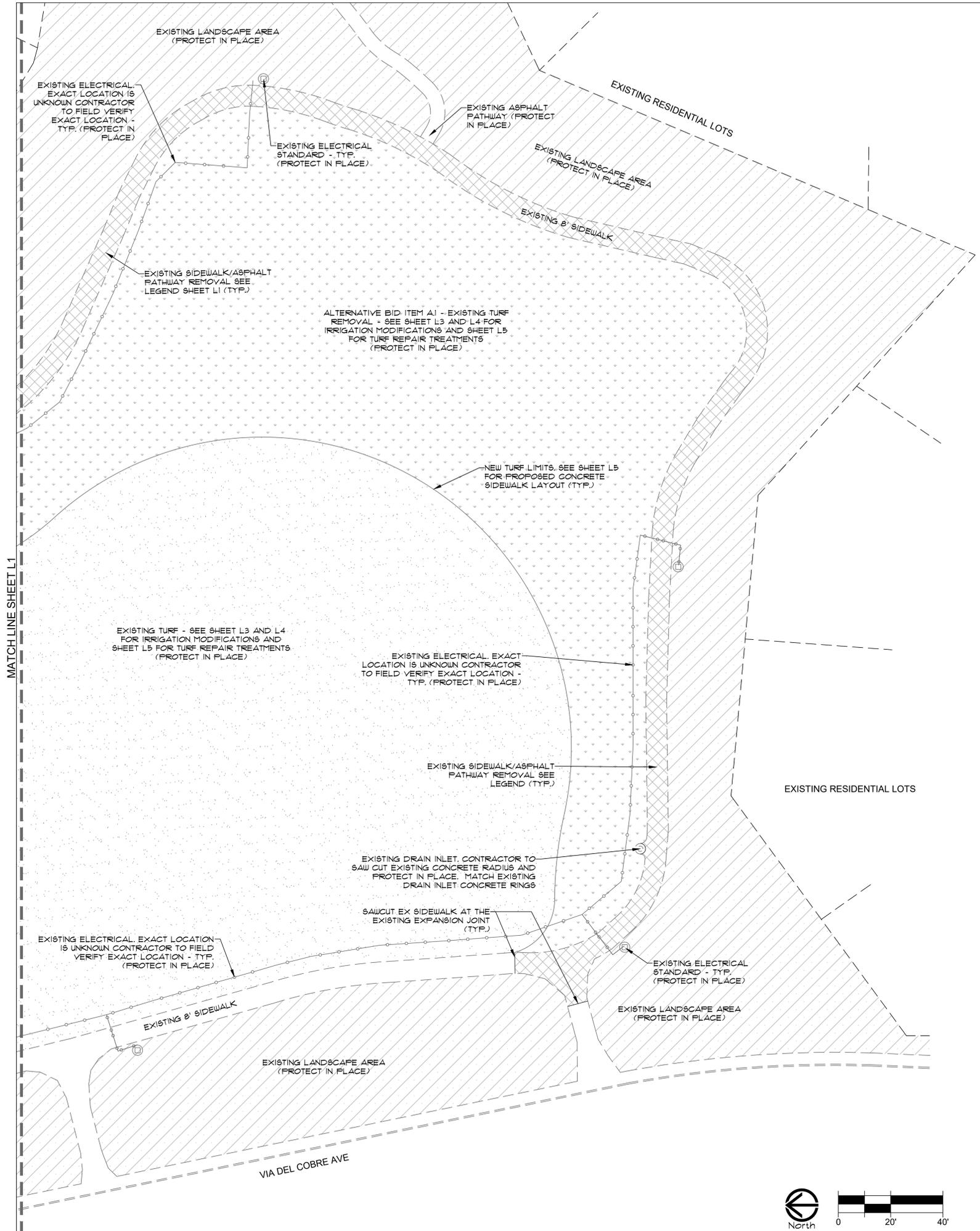
- EXISTING LANDSCAPE AREA: PROTECT IN PLACE. SEE L5 FOR LANDSCAPE IMPROVEMENTS/REPAIR.
- EXISTING TURF: SEE SHEET L3 AND L4 FOR IRRIGATION MODIFICATIONS AND SHEET L5 FOR TURF REPAIR TREATMENTS.
- EXISTING BARK PLAY AREA: PROTECT IN PLACE.
- EXISTING CONCRETE/ASPHALT SIDEWALK: DEMO AND DISPOSE ALL THE CONCRETE/ASPHALT AND BASE AGGREGATE DOWN TO THE EXISTING SUBGRADE SOILS.
- ALTERNATIVE BID ITEM A1 - EXISTING TURF: DEMO AND DISPOSE ALL OF THE EXISTING TURF TO A DEPTH OF 2' BELOW EXISTING FINISH GRADE. SEE DEMOLITION NOTES THIS SHEET.

- GENERAL DEMOLITION NOTES:**
- PRIOR TO START OF CONSTRUCTION CONTRACTOR IS TO WALK THE SITE WITH CITY OF SPARKS REPRESENTATIVE AND TAKE DETAILED PICTURES OF ALL EXISTING CONDITIONS. CONTRACTOR TO MARK AND DOCUMENT ALL EXISTING CONDITIONS WITH DAMAGE AND ALL EXISTING CONDITIONS THAT ARE TO REMAIN PROTECTED IN PLACE PRIOR TO START OF CONSTRUCTION.
 - PRIOR TO ANY IRRIGATION RENOVATION CONTRACTOR IS TO TEST/RUN THE ENTIRE IRRIGATION SYSTEM AND CONFIRM THAT ALL EXISTING IRRIGATION IS IN PROPER WORKING ORDER. FOLLOWING THE INITIAL IRRIGATION SYSTEM TEST CONTRACTOR IS TO PROVIDE THE CITY OF SPARKS WITH WRITTEN DOCUMENTATION THAT THE IRRIGATION IS IN PROPER FUNCTIONING CONDITION. IF ANY ITEMS OR DISCREPANCIES ARE FOUND, THE CONTRACTOR IS TO DETAIL ALL PROPOSED IRRIGATION REPAIRS FOR THE CITY OF SPARKS TO REVIEW PRIOR TO START OF CONSTRUCTION.
 - ALL EXISTING CONCRETE, ELECTRICAL, LIGHTING, TURF, IRRIGATION, LANDSCAPE AREAS, AND/OR ANY OTHER CONDITION THAT IS DAMAGED DURING CONSTRUCTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT NO ADDITIONAL COST TO THE OWNER.
 - PROTECT IN PLACE ALL EXISTING IRRIGATION DURING TURF DEMOLITION.
 - LEGALLY DISPOSE OF ALL SPOILS OFF-SITE.

- TURF AND CONCRETE DEMOLITION NOTES:**
- PROTECT IN PLACE ALL EXISTING CONCRETE AND TURF THAT IS SHOWN TO REMAIN IN PLACE.
 - ANY TURF OR CONCRETE DAMAGED DURING CONSTRUCTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT NO ADDITIONAL COST TO THE OWNER.
 - ALTERNATIVE BID ITEM A1 - ALL TURF DEMOLITION IS TO BE REMOVED USING HYDRAULIC DRIVEN TURF COMBINATOR EQUIPMENT WITH REMOVAL DEPTH OF 2' TOTAL FROM TOP OF EXISTING FINISH GRADE.
 - SEE SHEETS L3 AND L4 FOR TURF SPRAY IRRIGATION MODIFICATIONS. SEE SHEET L5 FOR TURF REPAIR TREATMENTS.
 - CONTRACTOR TO LEGALLY DISPOSE OF ALL SPOILS OFF-SITE.

BID ITEM CLARIFICATIONS:
 NOTE: SEE BID ITEM SCHEDULE FOR BASE BID AND ADDITIVE ALTERNATIVE BID ITEMS. THE TURF REMOVAL AND REVEGETATION TREATMENTS AREA ADDITIVE ALTERNATIVE BID ITEMS. ALL OTHER SCOPES OF WORK ARE BASE BID ITEMS.

DRAFTED:	REVIEWED:
G&J	G&J
J & A JOB NUMBER: 17-105-01	
PLAN SET: BID SET	
STAMP:	
PLAN DATE:	06/05/18
REVISIONS:	
#	DATE
SCALE:	1:20
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DEMOLITION LEGEND:

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-  EXISTING TURF: SEE SHEET L3 AND L4 FOR IRRIGATION MODIFICATIONS AND SHEET L5 FOR TURF REPAIR TREATMENTS.
-  EXISTING BARK PLAY AREA: PROTECT IN PLACE.
-  EXISTING CONCRETE/ASPHALT SIDEWALK: DEMO AND DISPOSE ALL THE CONCRETE/ASPHALT AND BASE AGGREGATE DOWN TO THE EXISTING SUBGRADE SOILS.
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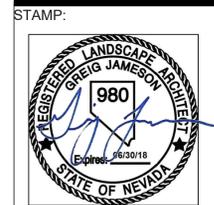


**DEL COBRE PARK
 PATHWAY RE-ALIGNMENT PROJECT**
 EXISTING CONDITIONS AND DEMOLITION PLAN

DRAFTED: G&J
 REVIEWED: G&J

J & A JOB NUMBER:
 17-105-01

PLAN SET:
 BID SET



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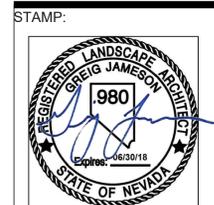
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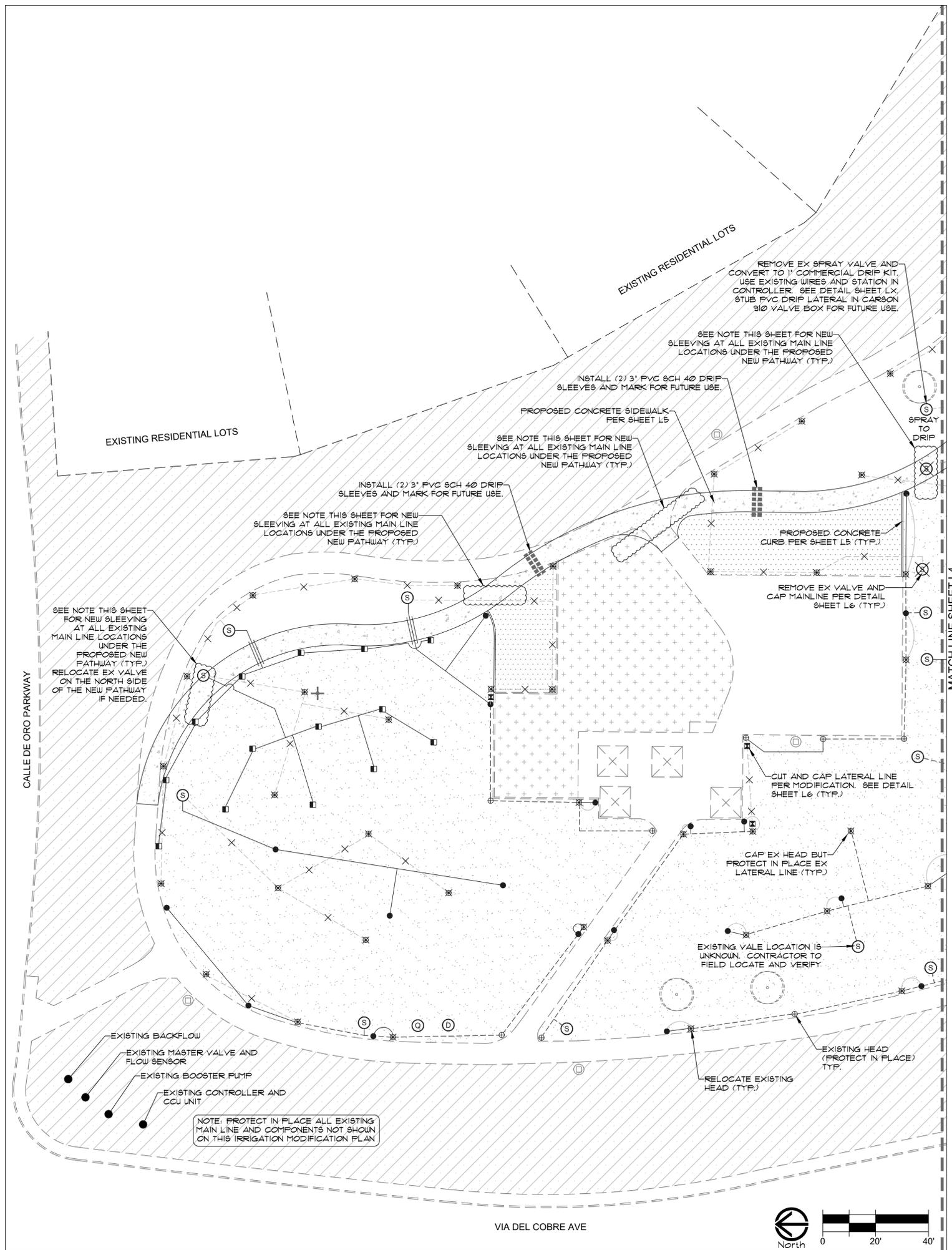


PLAN DATE: 06/05/18

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IRRIGATION MODIFICATION LEGEND:

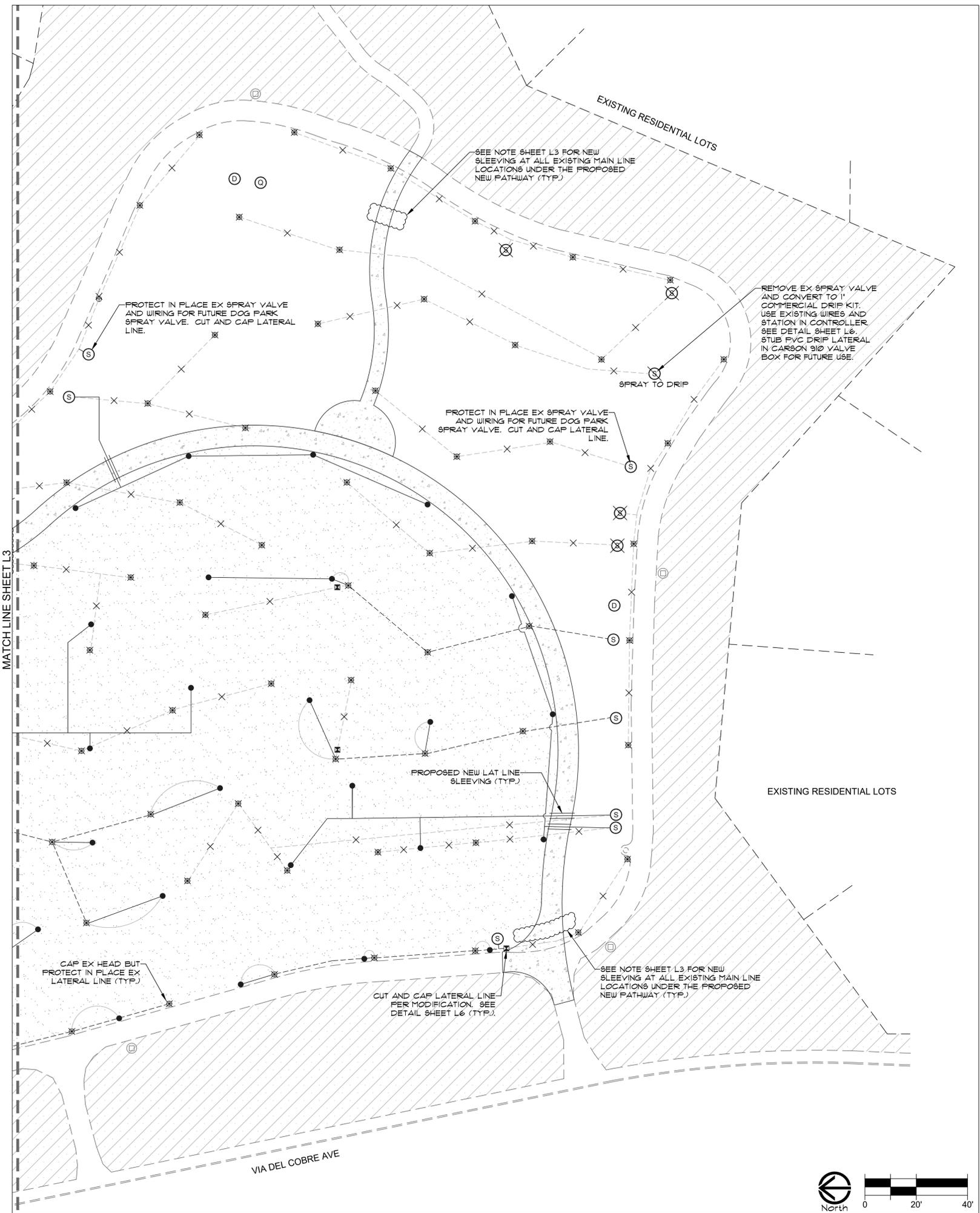
- PROPOSED SIDEWALK. SEE SHEET L5 FOR DIMENSIONS. INSTALL CONCRETE PER CITY OF SPARKS STANDARD CONCRETE MIX. SEE DETAIL SHEET L6.
- ALTERNATIVE BID ITEM A2 - PROPOSED REVEGETATION AREAS: SEE LEGEND SHEET L4 FOR REVEGETATION TREATMENT NOTES.
- EXISTING MAIN LINE: EXACT LOCATION AND SIZE IS UNKNOWN. CONTRACTOR TO FOTHOLE TO FIELD VERIFY EXACT MAINLINE SIZE.
- EXISTING SPRAY VALVE: EXISTING 2" COMMERCIAL SPRAY VALVES. (PROTECT IN PLACE)
- EXISTING SPRAY VALVE: CONTRACTOR TO CAP EXISTING VALVE MAIN LINE CONNECTION AND REMOVE SPRAY VALVE PER NOTE SHEET L3.
- EXISTING DRIP VALVES: PROTECT IN PLACE.
- EXISTING QUICK COUPLER: PROTECT IN PLACE
- EXISTING HUNTER 1-40 SPRAY HEAD LOCATIONS. CONTRACTOR TO FIELD VERIFY EXACT LOCATION. PROTECT IN PLACE. CONTRACTOR TO REPLACE ALL NOZZLES WITH LIGHT GREEN #0 NOZZLE.
- NEW HEAD LOCATION. MAXIMUM DISTANCE BETWEEN HEADS 49' MAX RADIUS. CONTRACTOR TO RE-USE OR INSTALL NEW HUNTER 1-40 HEADS. REPLACE ALL NOZZLES WITH LIGHT GREEN #0 NOZZLE.
- NEW HEAD LOCATION. LOW ANGLE NOZZLE FOR AROUND THE EXISTING WEATHER STATION. MAXIMUM DISTANCE BETWEEN HEADS 25' MAX RADIUS. CONTRACTOR TO INSTALL NEW HUNTER 1-20 HEADS WITH GRAY LOW ANGLE NOZZLE. CONTRACTOR TO ADJUST CONTROLLER TO ENSURE PROPER WATERING TIME FOR TO MATCH THE PRECIPITATION RATE FOR THE 1-40 HEADS.
- EXISTING HUNTER 1-40 SPRAY HEAD LOCATION. REMOVE OR RELOCATE PER PLAN.
- EXISTING SPRAY ZONE LATERAL LINE. EXACT LOCATION IS UNKNOWN. CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS.
- EXISTING SPRAY ZONE LATERAL LINE. CONTRACTOR TO ABANDON LATERAL LINE IN PLACE. CUT AND CAP BOTH ENDS PER DETAIL SHEET L6.
- LATERAL LINE MODIFICATION: CUT AND CAP EXISTING LATERAL LINE PER DETAIL SHEET L6.
- PROPOSED NEW LATERAL LINE: SEE CHART THIS SHEET FOR SIZING.
- PROPOSED NEW SLEEVING: SEE CHART THIS SHEET FOR LATERAL LINE SIZING. SLEEVES TO BE 2X THE DIAMETER OF THE PIPE. INSTALL (1) ADDITIONAL 2" SLEEVE FOR WIRE AT ALL MAIN LINE LOCATIONS.
- MAIN LINE SLEEVING NOTE: CONTRACTOR TO EXPOSE EXISTING MAIN LINE AND WIRES ON EACH SIDE OF THE PROPOSED CONCRETE SIDEWALK CROSSING. INSTALL NEW MAIN LINE, MAIN LINE SLEEVING, WIRE SLEEVING, AND WIRE SPLICE BOXES ON EACH SIDE OF THE PROPOSED SIDEWALK.

- REMOVAL AND CAPPING OF EXISTING SPRAY VALVES:**
- CONTRACTOR TO REMOVE EXISTING SPRAY VALVE AND CAP THE EXISTING LATERAL LINE.
 - REMOVE THE EXISTING VALVE BOX AND TURN OVER TO THE CITY OF SPARKS.
 - CAP THE EXISTING VALVE CONNECTION ON THE MAIN LINE AND THRUST BLOCK.
 - PROTECT IN PLACE THE EXISTING IRRIGATION COMMON WIRING AND INSTALL WIRE IN A CARSON 910 BOX AND MARK "W.S." FOR WIRE SPLICE. DISCONNECT THE OLD EXISTING CONTROL WIRES FOR THE VALVE AND STUB IN THE SPLICE BOX FOR FUTURE MAINTENANCE PURPOSES. ALL EXISTING WIRE CONNECTIONS SHALL BE INSTALLED IN A WIRE SPLICE BOX AND SHALL BE EASILY ACCESSIBLE FOR MAINTENANCE PURPOSES. DO NOT CUT OR BURY ANY EXISTING WIRING.
 - INSTALL THE CARSON 910 SPLICE BOX DIRECTLY OVER THE CAPPED MAIN LINE OR WITHIN 12' OF CAPPED MAIN LINE FOR FUTURE MAINTENANCE PURPOSES. COORDINATE BACKFILLING AND WIRE SPLICE LOCATION WITH CITY OF SPARKS REPRESENTATIVE TO ENSURE PROPER INSTALLATION FOR FUTURE MAINTENANCE PURPOSES.

PIPE SIZING CHART:

PVC SCH 40 PIPING	SIZE	GPM
1/2"	4	
3/4"	7	
1"	12	
1-1/4"	22	
1-1/2"	30	
2"	50	
2-1/2"	65	
3"	110	
4"	190	

BID ITEM CLARIFICATIONS:
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- IRRIGATION MODIFICATION LEGEND:**
- PROPOSED SIDEWALK. SEE SHEET L5 FOR DIMENSIONS. INSTALL CONCRETE PER CITY OF SPARKS STANDARD CONCRETE MIX. SEE DETAIL SHEET L6.
 - ALTERNATIVE BID ITEM A2 - PROPOSED REVEGETATION AREAS. SEE LEGEND SHEET L4 FOR REVEGETATION TREATMENT NOTES.
- NOT SHOWN
- EXISTING MAIN LINE. EXACT LOCATION AND SIZE IS UNKNOWN. CONTRACTOR TO FOTHOLE TO FIELD VERIFY EXACT MAINLINE SIZE.
 - EXISTING SPRAY VALVE. EXISTING 2" COMMERCIAL SPRAY VALVES. (PROTECT IN PLACE)
 - EXISTING SPRAY VALVE. CONTRACTOR TO CAP EXISTING VALVE MAIN LINE CONNECTION AND REMOVE SPRAY VALVE PER NOTE SHEET L3.
 - EXISTING DRIP VALVES. PROTECT IN PLACE.
 - EXISTING QUICK COUPLER. PROTECT IN PLACE
 - EXISTING HUNTER 1-40 SPRAY HEAD LOCATIONS. CONTRACTOR TO FIELD VERIFY EXACT LOCATION. PROTECT IN PLACE. CONTRACTOR TO REPLACE ALL NOZZLES WITH LIGHT GREEN #10 NOZZLE.
 - NEW HEAD LOCATION. MAXIMUM DISTANCE BETWEEN HEADS 49' MAX RADIUS. CONTRACTOR TO RE-USE OR INSTALL NEW HUNTER 1-40 HEADS. REPLACE ALL NOZZLES WITH LIGHT GREEN #10 NOZZLE.
 - NEW HEAD LOCATION. LOW ANGLE NOZZLE FOR AROUND THE EXISTING WEATHER STATION. MAXIMUM DISTANCE BETWEEN HEADS 25' MAX RADIUS. CONTRACTOR TO INSTALL NEW HUNTER 1-20 HEADS WITH GRAY LOW ANGLE NOZZLE. CONTRACTOR TO ADJUST CONTROLLER TO ENSURE PROPER WATERING TIME FOR TO MATCH THE PRECIPITATION RATE FOR THE 1-40 HEADS.
 - EXISTING HUNTER 1-40 SPRAY HEAD LOCATION. REMOVE OR RELOCATE PER PLAN.
 - EXISTING SPRAY ZONE LATERAL LINE. EXACT LOCATION IS UNKNOWN. CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS.
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 - LATERAL LINE MODIFICATION: CUT AND CAP EXISTING LATERAL LINE PER DETAIL SHEET L6.
 - PROPOSED NEW LATERAL LINE: SEE CHART THIS SHEET FOR SIZING.
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- MAIN LINE SLEEVING NOTE: CONTRACTOR TO EXPOSE EXISTING MAIN LINE AND WIRES ON EACH SIDE OF THE PROPOSED CONCRETE SIDEWALK CROSSING. INSTALL NEW MAIN LINE, MAIN LINE SLEEVING, WIRE SLEEVING, AND WIRE SPLICE BOXES ON EACH SIDE OF THE PROPOSED SIDEWALK.

- TURF SEEDING NOTES:**
- CONTRACTOR TO BACKFILL AND COMPACT TRENCHES OR DISTURBED TURF AREA WITH NATIVE SOILS TO A DEPTH OF 4" BELOW FINISH GRADE. WET AND COMPACT IN 6" LIFTS. LET TRENCHES SETTLE FOR 48 HOURS, FINE GRADE AND RE-COMPACT.
 - FURNISH AND INSTALL 1/3 MIXTURE OF WASHED MORTAR SAND, 1/3 MIX OF TOPSOIL, AND A 1/3 MIX OF 1/8" ORGANIC HUMUS. MIX TOPSOIL THOROUGHLY AND INSTALL A 3" DEPTH IN ALL DISTURBED TURF AREAS.
 - TILL AMENDED TOPSOIL INTO THE TOP 6" DEPTH OF NATIVE SOILS. FINE GRADE ALL AREAS PRIOR TO SEED INSTALLATION.
 - HAND SPREAD GRASS SEED MIX OVER ALL DISTURBED AREAS AND RAKE INTO TOP 1/4" OF SOIL. SEED MIX TO MATCH EXISTING TURF AND INSTALL AT A RATE OF 10 LBS PER 1000 SF OF DISTURBED AREA.
 - ROLL ALL SEEDED AREAS WITH WATER FILLED DRUM ROLLER FOLLOWING APPLICATION.

- ALTERNATIVE BID ITEM A.2 - REVEGETATION TREATMENT NOTES:**
- SEEDING APPLICATION METHODS:
- CONTRACTOR TO GRADE ALL AREAS USING EXISTING ON-SITE SOILS AFTER TURF REMOVAL HAS BEEN COMPLETED. EVENLY EXCAVATE EXISTING SOILS AS NEEDED TO CREATE FILL MATERIAL FOR ALL AREAS WHERE THE CONCRETE SIDEWALK AND BASE AGGREGATE HAS BEEN REMOVED. ROUGH GRADE THE AREAS CREATING A SMOOTH TRANSITION FROM ALL EXCAVATED/GRADED AREAS.
 - RIP ALL AREAS TO A 6" DEPTH IN 2 DIRECTIONS OPPOSITE OF EACH OTHER. DRAG OR HAND RAKE ALL AREAS CREATING A SMOOTH GRADE FOLLOWING RIPPING.
 - MECHANICALLY DRILL SEED OR HAND BROADCAST THE REVEGETATION SEED MIX INTO THE SOIL ENSURING A MINIMUM OF 1/8" DEPTH OF SEED INTO THE SOILS. WHEN HAND BROADCASTING EITHER HAND RAKE OR DRAG ALL AREAS ENSURING THE 1/8" DEPTH OF SEED/SOIL CONTACT.
 - FOLLOWING REVEGETATION SEED INSTALLATION MECHANICALLY APPLY A NUTRITIOUS BONDED FIBER MATRIX TO ALL SEEDED AREAS. SEED MIX APPLICATION AND HYDRAULICALLY APPLIED SLURRY MATRIX TO BE APPLIED IN THE SAME WORKING DAY. DO NOT SEED ON WINDY DAYS AND UNIFORM COVERAGE SHALL BE PROVIDED.
- HYDRAULIC SLURRY APPLICATION MIX:
- FERTILIZER: 15-15-15 @ 200 LBS/ACRE
 - ORGANIC PSYLLIUM TACKIFIER: PLANTAGO @ 120 LBS/ACRE
 - WOOD CELLULOSE FIBER MULCH: NATURE'S OWN PAPER MULCH @ 1500 LBS/ACRE
 - REVEGETATION SEED MIX: SEE SEED MIX BLEND
- ALL SEEDING SHALL TAKE PLACE FOLLOWING INSTALLATION OF ALL PLANT MATERIAL OR IRRIGATION IMPROVEMENTS. ANY SEEDING DISTURBED BY PLANTING OR IRRIGATION OPERATIONS SHALL BE RE-SEEDED AS REQUIRED TO PROVIDE 100% UNIFORM COVERAGE.
 - NON-IRRIGATED SEEDING IS RECOMMENDED TO TAKE PLACE IN THE FALL TO ALLOW WINTER MOISTURE TO GERMINATE SEEDS. NON-IRRIGATED REVEGETATION SEEDING RELIES ON NATURAL PRECIPITATION WHICH DOES NOT REQUIRE SUPPLEMENTAL IRRIGATION.

REVEGETATION SEED MIX:

GRASSES	PLS/LBS PER ACRE
WHEATGRASS CRESTED/BLUEBUNCH WHEATGRASS	4.0
WHEATGRASS BLENDER (NURSE CROP)	4.0
BLUEGRASS CANBY/SANDBERG	4.0
WILD RYE GREAT BASIN MAGNARATIVE	2.0
RYEGRASS ANNUAL (NURSE CROP)	8.0
SHRUBS	
SAGEBRUSH UYOTING	0.5
RABBITBRUSH	0.5
SALTBRUSH FOURRING	2.0
MORMON TEA GREEN	0.5
BITTERBRUSH	1.0
SPINY HOPRAGE	0.5
DESERT PEACH	0.5
SALTBRUSH SHADSCALE	1.0
FLOWERS	
DRYLAND AGGRESSIVE BLEND	3.5
TOTAL PLS	32.0 LBS PER ACRE

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CITY OF SPARKS
431 Prater Way, Sparks, Nevada, 89431

**DEL COBRE PARK
PATHWAY RE-ALIGNMENT PROJECT**
IRRIGATION MODIFICATIONS PLAN

DRAFTED: G&J REVIEWED: G&J

J & A JOB NUMBER: 17-105-01

PLAN SET: BID SET

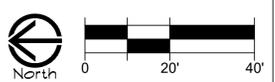
STAMP: REGISTERED LANDSCAPE ARCHITECT GREG JAMISON 980 STATE OF NEVADA Expires: 06/30/18

PLAN DATE: 06/05/18

REVISIONS:

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SHEET: L4 of 6



LANDSCAPE MODIFICATION LEGEND:

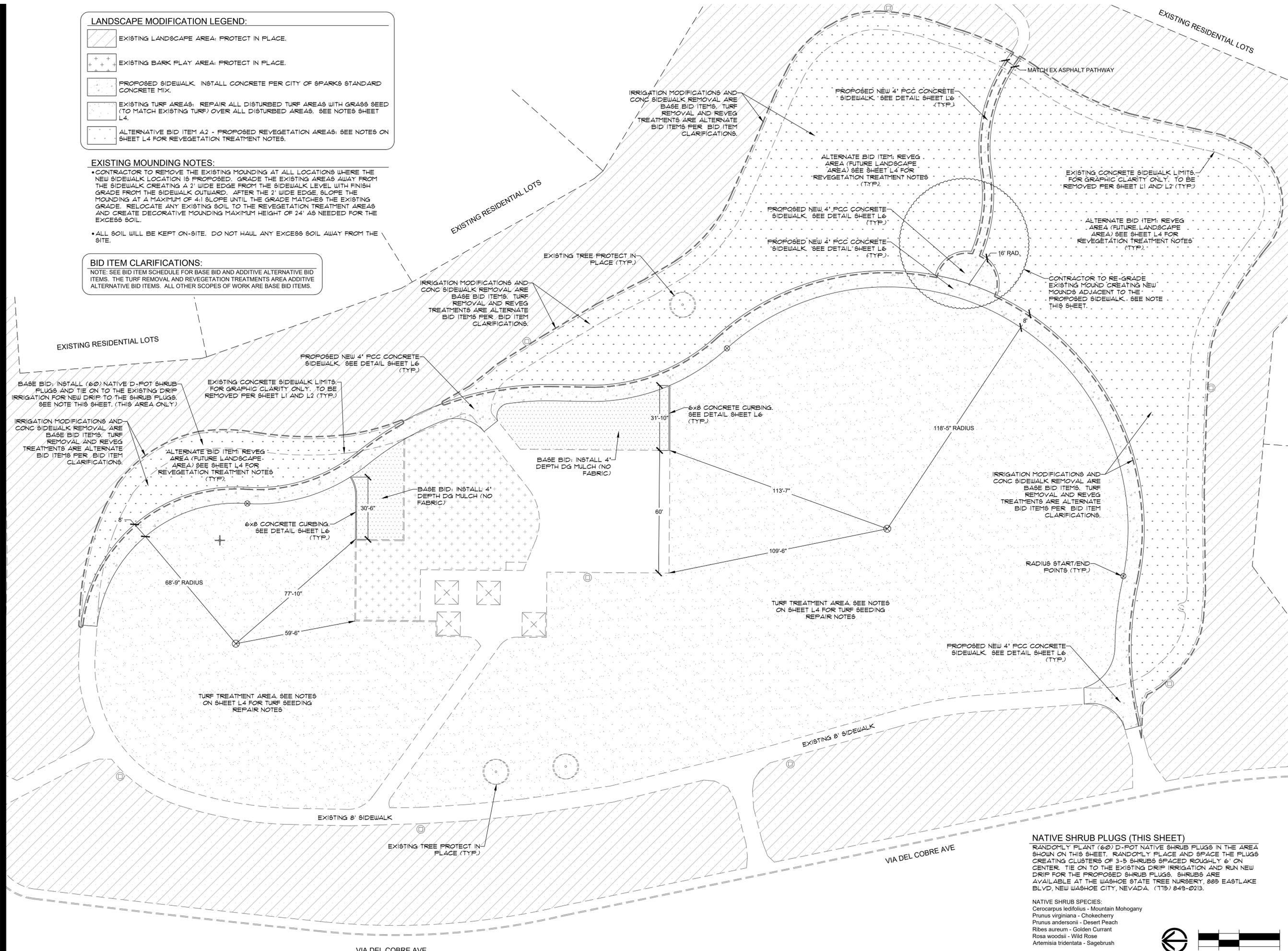
- EXISTING LANDSCAPE AREA: PROTECT IN PLACE.
- EXISTING BARK PLAY AREA: PROTECT IN PLACE.
- PROPOSED SIDEWALK: INSTALL CONCRETE PER CITY OF SPARKS STANDARD CONCRETE MIX.
- EXISTING TURF AREAS: REPAIR ALL DISTURBED TURF AREAS WITH GRASS SEED (TO MATCH EXISTING TURF) OVER ALL DISTURBED AREAS. SEE NOTES SHEET L4.
- ALTERNATIVE BID ITEM A2 - PROPOSED REVEGETATION AREAS: SEE NOTES ON SHEET L4 FOR REVEGETATION TREATMENT NOTES.

EXISTING MOUNDING NOTES:

- CONTRACTOR TO REMOVE THE EXISTING MOUNDING AT ALL LOCATIONS WHERE THE NEW SIDEWALK LOCATION IS PROPOSED. GRADE THE EXISTING AREAS AWAY FROM THE SIDEWALK CREATING A 2' WIDE EDGE FROM THE SIDEWALK LEVEL WITH FINISH GRADE FROM THE SIDEWALK OUTWARD. AFTER THE 2' WIDE EDGE, SLOPE THE MOUNDING AT A MAXIMUM OF 4:1 SLOPE UNTIL THE GRADE MATCHES THE EXISTING GRADE. RELOCATE ANY EXISTING SOIL TO THE REVEGETATION TREATMENT AREAS AND CREATE DECORATIVE MOUNDING MAXIMUM HEIGHT OF 24" AS NEEDED FOR THE EXCESS SOIL.
- ALL SOIL WILL BE KEPT ON-SITE. DO NOT HAUL ANY EXCESS SOIL AWAY FROM THE SITE.

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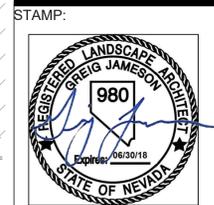
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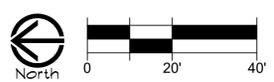
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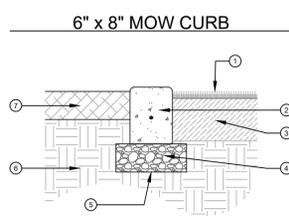
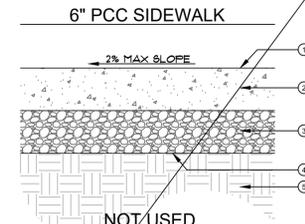
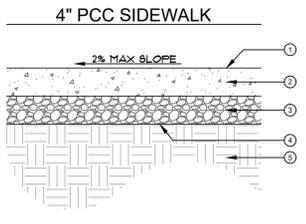
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NATIVE SHRUB PLUGS (THIS SHEET)

RANDOMLY PLANT (60) D-POT NATIVE SHRUB PLUGS IN THE AREA SHOWN ON THIS SHEET. RANDOMLY PLACE AND SPACE THE PLUGS CREATING CLUSTERS OF 3-5 SHRUBS SPACED ROUGHLY 6' ON CENTER. TIE ON TO THE EXISTING DRIP IRRIGATION AND RUN NEW DRIP FOR THE PROPOSED SHRUB PLUGS. SHRUBS ARE AVAILABLE AT THE WASHOE STATE TREE NURSERY, 805 EASTLAKE BLVD, NEW WASHOE CITY, NEVADA. (775) 849-0213.

NATIVE SHRUB SPECIES:
 Cercocarpus ledifolius - Mountain Mohogany
 Prunus virginiana - Chokecherry
 Prunus andersonii - Desert Peach
 Ribes aureum - Golden Currant
 Rosa woodsii - Wild Rose
 Artemisia tridentata - Sagebrush





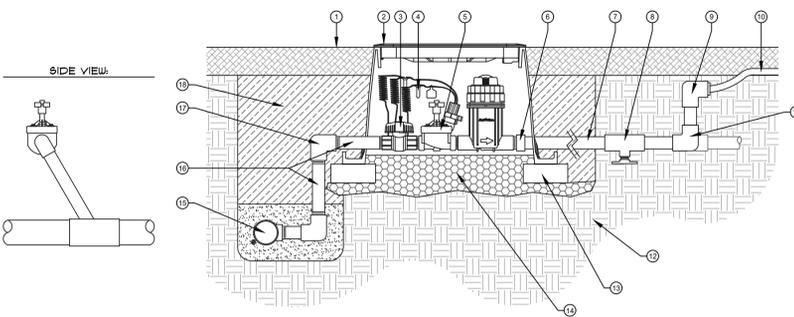
- 4" PCC SIDEWALK**
- 1 FINISH GRADE
 - 2 4" PCC SIDEWALK
 - 3 BASE AGGREGATE: 4" MINIMUM DEPTH INSTALLED IN 4" LIFTS AND COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION
 - 4 COMPACTED SUBGRADE SOILS TO A MINIMUM OF 90% RELATIVE COMPACTION
 - 5 NATIVE SOILS

- NOTES:**
1. FIBER-REINFORCED PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4,000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS, MINIMUM 6 BAGS OF CEMENT PER CUBIC YARD WITH A MAXIMUM WATER-CEMENT RATIO OF 0.45. AIR ENTRAINMENT 6% ± 1% SLUMP AT 1 TO 4 INCHES. MIX DESIGN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 331 OF STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION (SSPWC). CEMENT SHALL BE TYPE II AND ALL CEMENT CONCRETE SHALL HAVE A COARSE AGGREGATE GRADATION CONFORMING TO SIZE NO. 67. POLYPROPYLENE OR CELLULOSE FIBERS SHALL BE ADDED TO THE P.C.C. AT 15 LBS PER CUBIC YARD. ALL MATERIALS SHALL CONFORM TO SSPWC.
 2. AGGREGATE BASE MATERIAL UNDER DRIVEWAYS AND SIDEWALKS SHALL BE TYPE 2, CLASS B CRUSHED AGGREGATE BASE. ALL MATERIALS SHALL CONFORM TO SSPWC SECTION 200.
 3. PCC DRIVEWAYS TO HAVE 14 BARS AT 18" ON CENTER LONGITUDINALLY AND TRANSVERSE. MINIMUM 2" CONCRETE COVER FOR ALL REINFORCING BARS.
 4. ALL ADJACENT CONCRETE REMOVAL SHALL BE TO NEAT SAW CUT LINES AT RIGHT ANGLES. DOVEL INTO EXISTING ADJACENT CONCRETE DRIVEWAY OR SIDEWALK WITH (2) NO. 4 REINFORCEMENT BARS EQUALLY SPACED ACROSS WIDTH "U". DOVELS SHALL PENETRATE A MINIMUM OF 4" INTO THE EXISTING CONCRETE.
 5. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 5 FT INTERVALS AND IN ACCORDANCE WITH SECTION 312 OF THE SSPWC.

- 6" x 8" MOW CURB**
- 1 TURF FINISH GRADE (1/2" BELOW TOP OF CURB)
 - 2 6" CONCRETE CURB PER CITY OF SPARKS DESIGN STANDARDS
 - 3 AMENDED TOPSOIL PER TURF REPAIR LEGEND
 - 4 4" MIN. DEPTH BASE AGGREGATE INSTALLED IN 4" LIFTS AND COMPACTED TO 95% RELATIVE COMPACTION
 - 5 COMPACTED SUBGRADE SOILS. COMPACT TO 90% RELATIVE COMPACTION
 - 6 NATIVE SOILS
 - 7 ADJACENT GROUND COVER MULCH PER LEGEND (FINISH GRADE 1/2" BELOW TOP OF CURB)

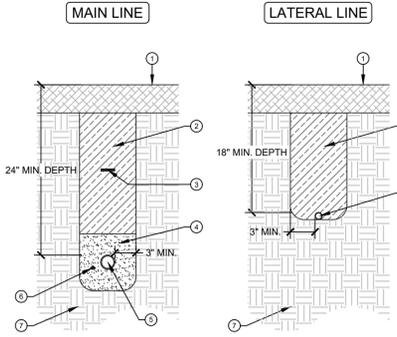
1 PCC DRIVEWAY/SIDEWALK DETAIL:
 NOT TO SCALE

2 TURF HEADER DETAIL:
 NOT TO SCALE



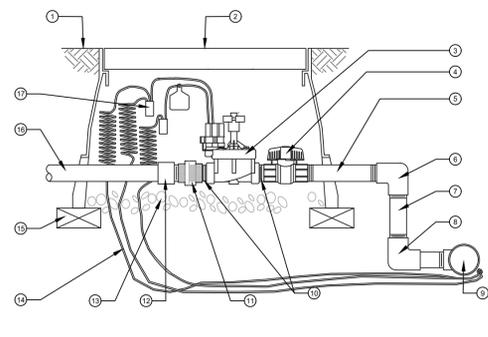
- 1 FINISH GRADE: GROUND COVER MULCH PER LEGEND
- 2 VALVE BOX: CARSON 1220 (POTABLE GREEN IN COLOR AND RECLAIMED PURPLE IN COLOR)
- 3 BALL VALVE
- 4 DBRY WIRE CONNECTOR
- 5 COMMERCIAL DRIP VALVE PER LEGEND
- 6 SCH 40 FEMALE ADAPTER
- 7 PVC SCH 40 DRIP LATERAL LINE PER LEGEND
- 8 SCH 40 TEE FITTING WITH KING AUTO DRAIN
- 9 PVC TO DRIP CONNECTION
- 10 DRIP DISTRIBUTION TUBING PER LEGEND
- 11 PVC SCH 40 ELBOW 90 DEGREE
- 12 NATIVE SOIL
- 13 CONCRETE BRICK OR PAVER
- 14 3/4" DRAIN ROCK BACKFILL MATERIAL
- 15 MAINLINE PER LEGEND (SCH 80 FITTINGS)
- 16 PVC SCH 80 NIPPLE
- 17 PVC SCH 80 ELBOW 90 DEGREE
- 18 BACKFILL TO BE WATERED DOWN, NATIVE SOIL. REMOVE ROCKS 15" DIAMETER IN SIZE OR LARGER. COMPACTED IN 4"-6" LIFTS TO 90% RELATIVE COMPACTION

3 DRIP VALVE:
 NOT TO SCALE

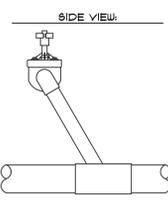


- MAIN LINE**
- 1 FINISH GRADE: GROUND COVER MULCH PER LEGEND
 - 2 BACKFILL TO BE WATERED DOWN, NATIVE SOIL. REMOVE ROCKS 15" DIAMETER IN SIZE OR LARGER. COMPACTED IN 4"-6" LIFTS TO 90% RELATIVE COMPACTION.
 - 3 CONTINUOUS DETECTABLE WARNING TAPE INSTALLED 12" ABOVE PVC LINE AND CONTROL WIRES.
 - 4 SPFGO SAND BACKFILL MATERIAL. INSTALL MIN. 3" ON ALL SIDES OF PIPE
 - 5 MAINLINE PER LEGEND. INSTALL MIN. 24" DEPTH FROM FINISH GRADE. SNAKE ALL PIPING IN TRENCHES
 - 6 CONTROL WIRE: TO BE BURIED SIDE BY SIDE AND 3" MIN DISTANCE FROM MAINLINE PIPING. TAPE WIRES TOGETHER EVERY 18" O.C.
 - 7 NATIVE SOIL
 - 8 LATERAL LINE PER LEGEND. INSTALL MIN. 18" DEPTH FROM FINISH GRADE. SNAKE ALL PIPING IN TRENCHES.

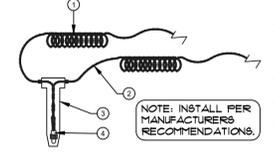
4 TRENCH DETAIL:
 NOT TO SCALE



5 TURF SPRAY VALVE DETAIL:
 NOT TO SCALE

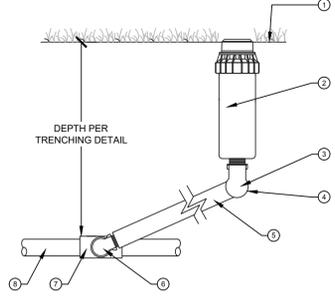


- 1 FINISH GRADE
- 2 CARSON 1220 BOX (INSTALLED 1/2" ABOVE FINISH GRADE)
- 3 SPRAY VALVE PER LEGEND
- 4 SCH 80 BALL VALVE
- 5 SCH 80 NIPPLE (SAME SIZE AS VALVE)
- 6 SCH 80 ELBOW (90 DEGREE)
- 7 SCH 80 NIPPLE (SAME SIZE AS VALVE)
- 8 SCH 80 MAINLINE FITTING (SAME SIZE AS MAIN LINE)
- 9 MAIN LINE PER LEGEND
- 10 SCH 80 NIPPLE (SAME SIZE AS VALVE)
- 11 SCH 80 UNION (SAME SIZE AS VALVE)
- 12 SCH 40 MALE ADAPTER
- 13 4" DEPTH OF 3/4" DRAIN ROCK BACKFILL MATERIAL
- 14 DIRECT BURIAL IRRIGATION WIRE PER LEGEND
- 15 CONCRETE BRICK OR PAVER
- 16 LATERAL LINE (SIZE PER FLOW SIZE LEGEND)
- 17 WIRE CONNECTORS PER DETAILS



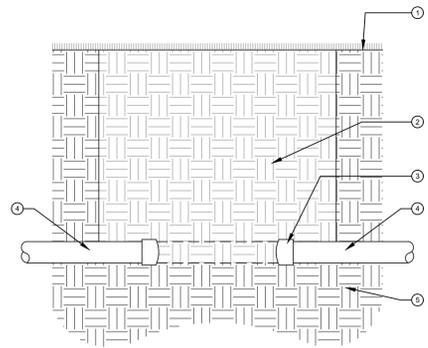
- 1 ROLL/COIL 36' LENGTH OF IRRIGATION WIRE (1" DIAMETER IN SIZE)
 - 2 1/4 GAUGE DIRECT BURIAL WIRE
 - 3 DBRY WIRE CONNECTOR
 - 4 WIRE NUT
- NOTE: INSTALL PER MANUFACTURERS RECOMMENDATIONS.

6 WIRE CONNECTION DETAIL:
 NOT TO SCALE



- 1 TURF FINISH GRADE
- 2 HUNTER 1-40 HEAD PER LEGEND
- 3 PVC SCH 40 STREET 90 ELBOW
- 4 (NOT SHOWN) 90 DEGREE ELBOW SCH 40 PVC
- 5 SCH 80 NIPPLE (LENGTH AS NEEDED FOR LATERAL LINE DEPTH)
- 6 PVC SCH 40 STREET 90 ELBOW
- 7 PVC SCH 40 LATERAL LINE FITTING (TYP.)
- 8 PVC SCH 40 LATERAL LINE PIPING

7 SPRAY ROTOR DETAIL:
 NOT TO SCALE



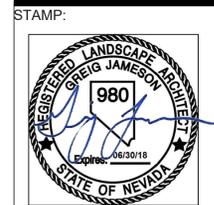
- 1 TURF FINISH GRADE
- 2 BACKFILL WITH NATIVE SOILS AFTER CAPS HAVE BEEN INSTALLED ON THE LATERAL LINES
- 3 SCH 40 PVC CAP (BOTH SIDES)
- 4 EXISTING LATERAL LINE
- 5 NATIVE SOILS

8 EXISTING LATERAL LINE CAPPING DETAIL:
 NOT TO SCALE

DRAFTED: G&J REVIEWED: G&J

J & A JOB NUMBER: 17-105-01

PLAN SET: BID SET



PLAN DATE: 06/05/18

REVISIONS:

#	DATE

SCALE: N.T.S.
 SHEET: