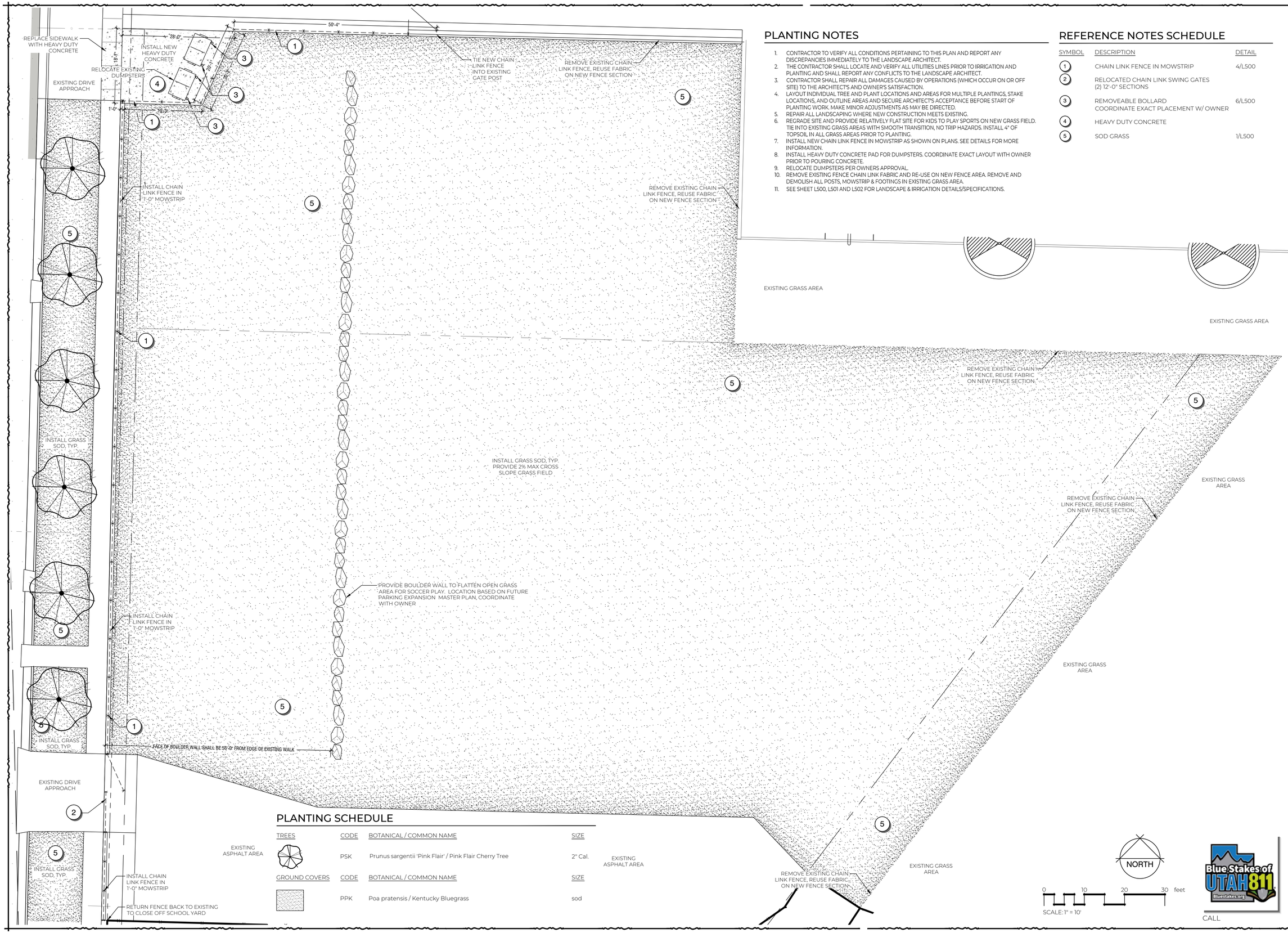


PLANTING NOTES

1. CONTRACTOR TO VERIFY ALL CONDITIONS PERTAINING TO THIS PLAN AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE LANDSCAPE ARCHITECT.
2. THE CONTRACTOR SHALL LOCATE AND VERIFY ALL UTILITIES LINES PRIOR TO IRRIGATION AND PLANTING AND SHALL REPORT ANY CONFLICTS TO THE LANDSCAPE ARCHITECT.
3. CONTRACTOR SHALL REPAIR ALL DAMAGES CAUSED BY OPERATIONS (WHICH OCCUR ON OR OFF SITE) TO THE ARCHITECT'S AND OWNER'S SATISFACTION.
4. LAYOUT INDIVIDUAL TREE AND PLANT LOCATIONS AND AREAS FOR MULTIPLE PLANTINGS, STAKE LOCATIONS, AND OUTLINE AREAS AND SECURE ARCHITECT'S ACCEPTANCE BEFORE START OF PLANTING WORK. MAKE MINOR ADJUSTMENTS AS MAY BE DIRECTED.
5. REPAIR ALL LANDSCAPING WHERE NEW CONSTRUCTION MEETS EXISTING.
6. REGRADE SITE AND PROVIDE RELATIVELY FLAT SITE FOR KIDS TO PLAY SPORTS ON NEW GRASS FIELD. TIE INTO EXISTING GRASS AREAS WITH SMOOTH TRANSITION, NO TRIP HAZARDS. INSTALL 4" OF TOPSOIL IN ALL GRASS AREAS PRIOR TO PLANTING.
7. INSTALL NEW CHAIN LINK FENCE IN MOWSTRIP AS SHOWN ON PLANS. SEE DETAILS FOR MORE INFORMATION.
8. INSTALL HEAVY DUTY CONCRETE PAD FOR DUMPSTERS. COORDINATE EXACT LAYOUT WITH OWNER PRIOR TO POURING CONCRETE.
9. RELOCATE DUMPSTERS PER OWNERS APPROVAL.
10. REMOVE EXISTING FENCE CHAIN LINK FABRIC AND RE-USE ON NEW FENCE AREA. REMOVE AND DEMOLISH ALL POSTS, MOWSTRIP & FOOTINGS IN EXISTING GRASS AREA.
11. SEE SHEET L500, L501 AND L502 FOR LANDSCAPE & IRRIGATION DETAILS/SPECIFICATIONS.

REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	DETAIL
1	CHAIN LINK FENCE IN MOWSTRIP	4/L500
2	RELOCATED CHAIN LINK SWING GATES (2) 12'-0" SECTIONS	
3	REMOVEABLE BOLLARD COORDINATE EXACT PLACEMENT W/ OWNER	6/L500
4	HEAVY DUTY CONCRETE	
5	SOD GRASS	1/L500

PLANTING SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME	SIZE
	PSK	Prunus sargentii 'Pink Flair' / Pink Flair Cherry Tree	2" Cal.
GROUND COVERS	**CODE**	**BOTANICAL / COMMON NAME**	**SIZE**
	PPK	Poa pratensis / Kentucky Bluegrass	sod

PRIME LANDSCAPE ARCHITECTURE

LOGAN CITY SCHOOL DISTRICT

ELLIS ELEMENTARY LANDSCAPE

348 WEST 300 NORTH
LOGAN, UTAH 84321

STATE OF UTAH — JUSTIN KIRK HISLOP — LICENSED LANDSCAPE ARCHITECT — NO. 8089409-5301

REVISIONS

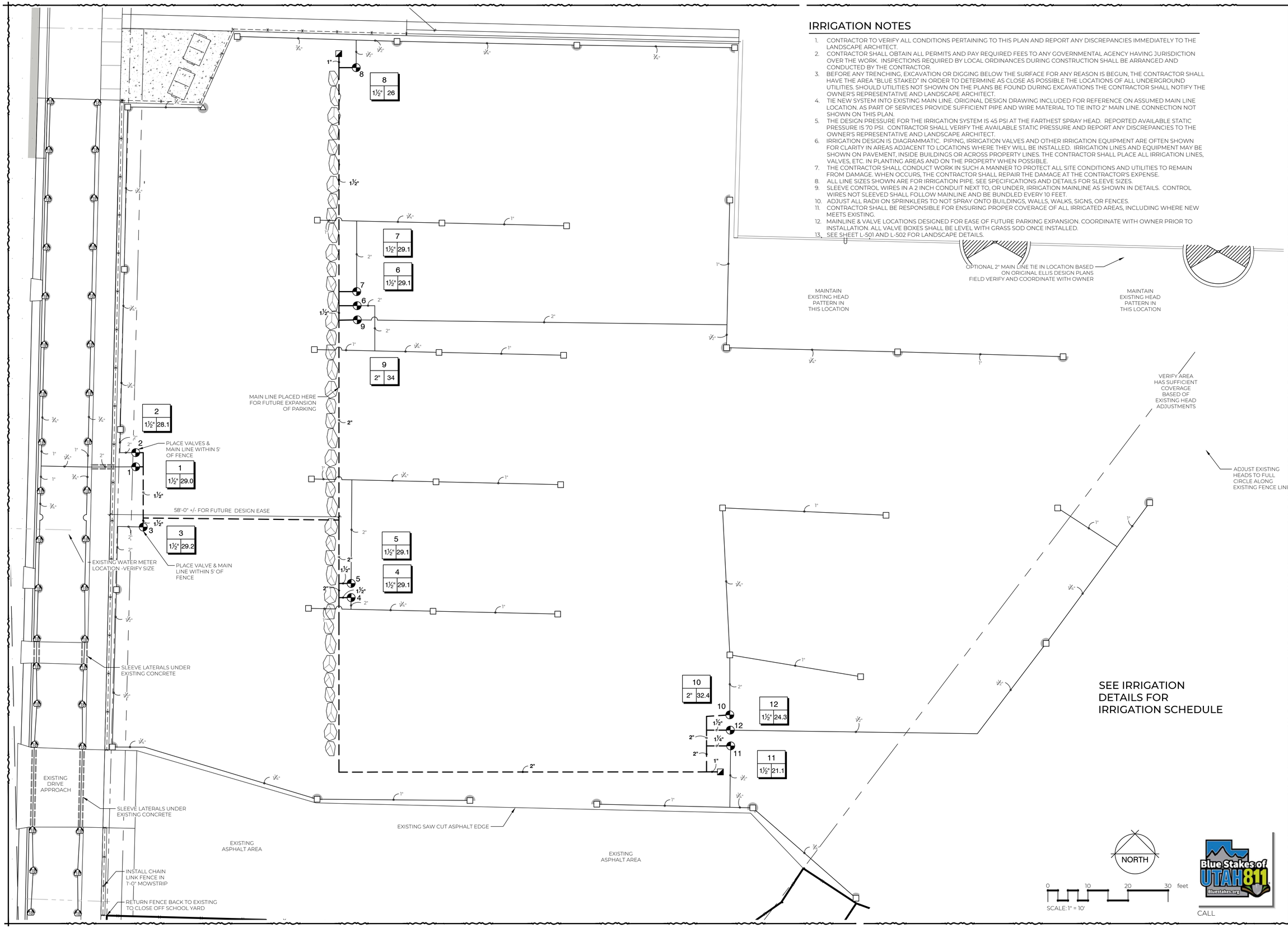
NO.	DATE	DESCRIPTION

PROJECT: 10006
CHECKED BY: HISLOP
ISSUED: 05-23-2023

SHEET NAME:
PLANTING PLAN

SHEET NUMBER:
L100

Blue Stakes of UTAH 811 — bluestakes.org — CALL



IRRIGATION NOTES

1. CONTRACTOR TO VERIFY ALL CONDITIONS PERTAINING TO THIS PLAN AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE LANDSCAPE ARCHITECT.
2. CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY REQUIRED FEES TO ANY GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THE WORK. INSPECTIONS REQUIRED BY LOCAL ORDINANCES DURING CONSTRUCTION SHALL BE ARRANGED AND CONDUCTED BY THE CONTRACTOR.
3. BEFORE ANY TRENCHING, EXCAVATION OR DIGGING BELOW THE SURFACE FOR ANY REASON IS BEGUN, THE CONTRACTOR SHALL HAVE THE AREA "BLUE STAKED" IN ORDER TO DETERMINE AS CLOSE AS POSSIBLE THE LOCATIONS OF ALL UNDERGROUND UTILITIES. SHOULD UTILITIES NOT SHOWN ON THE PLANS BE FOUND DURING EXCAVATIONS THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.
4. TIE NEW SYSTEM INTO EXISTING MAIN LINE. ORIGINAL DESIGN DRAWING INCLUDED FOR REFERENCE ON ASSUMED MAIN LINE LOCATION. AS PART OF SERVICES PROVIDE SUFFICIENT PIPE AND WIRE MATERIAL TO TIE INTO 2" MAIN LINE. CONNECTION NOT SHOWN ON THIS PLAN.
5. THE DESIGN PRESSURE FOR THE IRRIGATION SYSTEM IS 45 PSI AT THE FARTHEST SPRAY HEAD. REPORTED AVAILABLE STATIC PRESSURE IS 70 PSI. CONTRACTOR SHALL VERIFY THE AVAILABLE STATIC PRESSURE AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.
6. IRRIGATION DESIGN IS DIAGRAMMATIC. PIPING, IRRIGATION VALVES AND OTHER IRRIGATION EQUIPMENT ARE OFTEN SHOWN FOR CLARITY IN AREAS ADJACENT TO LOCATIONS WHERE THEY WILL BE INSTALLED. IRRIGATION LINES AND EQUIPMENT MAY BE SHOWN ON PAVEMENT, INSIDE BUILDINGS OR ACROSS PROPERTY LINES. THE CONTRACTOR SHALL PLACE ALL IRRIGATION LINES, VALVES, ETC. IN PLANTING AREAS AND ON THE PROPERTY WHEN POSSIBLE.
7. THE CONTRACTOR SHALL CONDUCT WORK IN SUCH A MANNER TO PROTECT ALL SITE CONDITIONS AND UTILITIES TO REMAIN FROM DAMAGE. WHEN OCCURS, THE CONTRACTOR SHALL REPAIR THE DAMAGE AT THE CONTRACTOR'S EXPENSE.
8. ALL LINE SIZES SHOWN ARE FOR IRRIGATION PIPE. SEE SPECIFICATIONS AND DETAILS FOR SLEEVE SIZES.
9. SLEEVE CONTROL WIRES IN A 2 INCH CONDUIT NEXT TO, OR UNDER, IRRIGATION MAINLINE AS SHOWN IN DETAILS. CONTROL WIRES NOT SLEEVED SHALL FOLLOW MAINLINE AND BE BUNDLED EVERY 10 FEET.
10. ADJUST ALL RADII ON SPRINKLERS TO NOT SPRAY ONTO BUILDINGS, WALLS, WALKS, SIGNS, OR FENCES.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER COVERAGE OF ALL IRRIGATED AREAS, INCLUDING WHERE NEW MEETS EXISTING.
12. MAINLINE & VALVE LOCATIONS DESIGNED FOR EASE OF FUTURE PARKING EXPANSION. COORDINATE WITH OWNER PRIOR TO INSTALLATION. ALL VALVE BOXES SHALL BE LEVEL WITH GRASS SOD ONCE INSTALLED.
13. SEE SHEET L-501 AND L-502 FOR LANDSCAPE DETAILS.

CALL

PRIME LANDSCAPE ARCHITECTURE

LOGAN CITY

ELLIS ELEMENTARY LANDSCAPE

348 WEST 300 NORTH
LOGAN, UTAH 84321

STATE OF UTAH — DUSTIN KIRK HISLOP — 8058409-5301 — LICENSED LANDSCAPE ARCHITECT

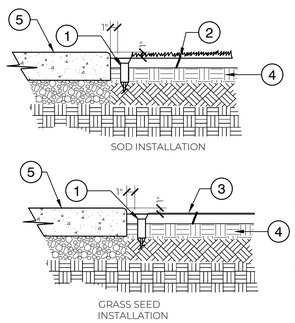
REVISIONS

NO.	DATE	DESCRIPTION

PROJECT: 10006
CHECKED BY: HISLOP
ISSUED: 05-23-2023

SHEET NAME:
IRRIGATION PLAN

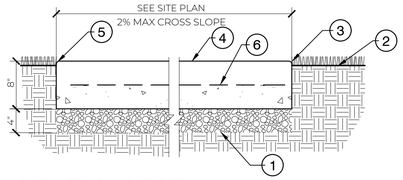
SHEET NUMBER:
L200



1. INSTALL SOD OR SEED BED 1" BELOW TOP OF ADJACENT CONCRETE SITE ELEMENT, AS SHOWN.
2. SOD WITH TIGHT, BEVELED JOINTS
3. GRASS SEED BED
4. AMEND SOIL AS REQUIRED BY TOPSOIL TEST REPORT
5. MOWSTRIP, CURB, OR SIDEWALK

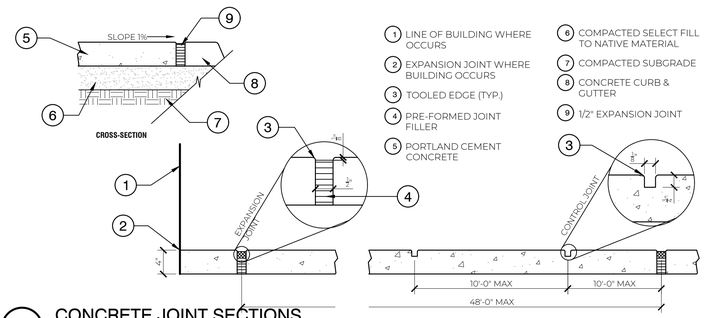
NOTES:
1. SOD MAY BE ACCEPTED 30 DAYS AFTER INSPECTION & AFTER MIN. FOUR CUTTINGS (ONCE EVERY 7 DAYS). IF SOD IMPROVEMENTS ARE NOT ACCEPTED AFTER THIS TIME PERIOD, DEVELOPER SHALL BE REQUIRED TO CONTINUE MAINTENANCE UNTIL ACCEPTED/APPROVED.
2. PREPARE LAWN AREAS AS SPECIFIED UNDER SOIL PREPARATION. SLOPE ALL AREAS TO DRAIN ACCORDING TO THE ARCHITECT'S DRAWINGS & APPROVAL FROM PUBLIC WORKS DEPARTMENT & PARKS DEPARTMENT.
3. RAKE SOD AREAS UNTIL THE SURFACE IS SMOOTH & OF UNIFORM TEXTURE PRIOR TO PLANTING THE TURF.
4. THE FINISHED GRADE OF ALL SOD AREAS SHALL BE BETWEEN 0 & $\frac{1}{2}$ INCHES BELOW SIDEWALK OR ADJACENT PAVEMENT AREAS.
5. SOD MUST BE INSTALLED DURING NORMAL GROWING SEASON. IF DORMANT SOD IS INSTALLED, IT WILL NOT BE ACCEPTED UNTIL THE FOLLOWING NORMAL GROWING SEASON.
6. LAY SOD WITH STAGGERED SEAM.
7. AFTER SOD HAS BEEN LAID, IRRIGATE & THEN ROLL SOD WITH WATER ROLLER (50 POUND MIN. WEIGHT) TO LEVEL SOD & INSURE POSITIVE CONTACT WITH SOIL.
8. SELECT GRASS ACCORDING TO INTENDED USE, LOCATION & MAINTENANCE REQUIREMENTS. DROUGHT TOLERANT GRASSES SHOULD BE UTILIZED WITHIN ALL TURF AREAS.
9. REDUCE THE SIZE OF WATER SENSITIVE LAWNS WITH ENLARGED BEDS & HARDSCAPES. ELIMINATE LAWN AREAS THAT ARE DIFFICULT TO IRRIGATE, INCLUDING LONG & NARROW OR SMALL & ODD-SHAPED AREAS.
10. APPLY COMMERCIAL GRADE FERTILIZER AS PER THE FOLLOWING SPECIFICATIONS:
    - 10.• 46-0-0 WITH DIMENSION COATED NITROGEN (PRE-EMERGENT) FROM JANUARY 1ST TO MAY 31ST AT A RATE OF 2 POUNDS PER 1,000 SQ. FT.
    - 10.• 25-5-6 FROM JUNE 1ST TO AUGUST 31ST AT A RATE OF 4 POUNDS PER 1,000 SQ. FT.
    - 10.• 46-0-0 (50% SLOW RELEASE) SULPHER COATED UREA FROM SEPTEMBER 1ST TO DECEMBER 31ST AT A RATE OF 2 POUNDS PER 1,000 SQ. FT.

1 SOD LAWN
NTS — P-ED-ELL-09



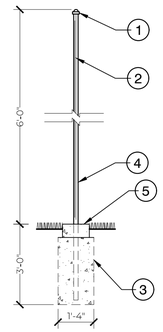
1. 4" AGGREGATE BASE
2. FINISH GRADE 1" BELOW TOP OF WALK FOR SOD & 1-1/2" FOR SEED LAWN
3. TOOL EDGES
4. 8" CONCRETE PAVEMENT ROUGH BROOM FINISH
5. EXPANSION JOINT WHERE BUILDING OCCURS
6. WELDED WIRE MESH

2 HEAVY DUTY CONCRETE
1" = 1'-0" — P-ED-ELL-07



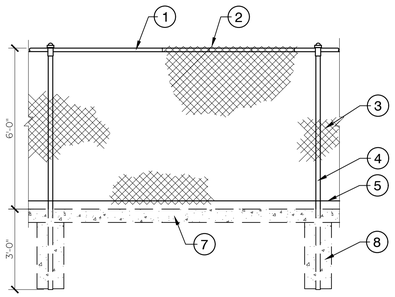
1. LINE OF BUILDING WHERE OCCURS
2. EXPANSION JOINT WHERE BUILDING OCCURS
3. TOOLED EDGE (TYP.)
4. PRE-FORMED JOINT FILLER
5. PORTLAND CEMENT CONCRETE
6. COMPACTED SELECT FILL TO NATIVE MATERIAL
7. COMPACTED SUBGRADE
8. CONCRETE CURB & GUTTER
9. 1/2" EXPANSION JOINT

3 CONCRETE JOINT SECTIONS
1" = 1'-0" — P-ED-ELL-06



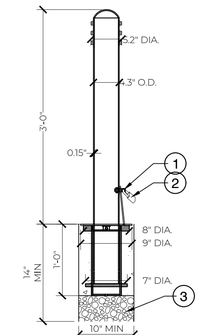
1. POST CAP
2. CHAINLINK FENCE FABRIC
3. CONCRETE FOOTING ON 4" AGGREGATE BASE COURSE BEYOND
4. 2" DIAMETER LINE POST AT 10'-0" O.C. 2-3/8" DIAMETER POSTS AT WINDSCREEN
5. 6" THICK X 1'-0" WIDE CONTINUOUS MOWSTRIP PER LANDSCAPE PLAN,

4 CHAINLINK FENCE FOOTING
3/8" = 1'-0" — P-ED-ELL-60



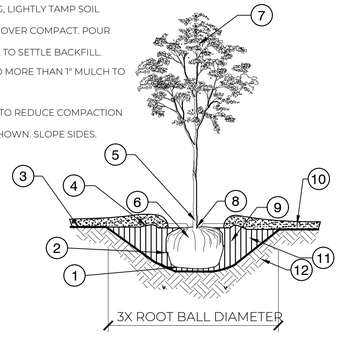
1. 1-5/8" TOP RAIL
2. KNUCKLED SELVAGE TOP & BOTTOM
3. CHAIN LINK FABRIC
4. 1-7/8" DIA. LINE POSTS. PROVIDE AND INSTALL TENSION BAR ATTACHED TO CORNER AND END POST WITH TENSION BANDS WHERE OCCURS
5. TENSION WIRE
8. 16" DIA. X 36" DEEP CONCRETE FOOTINGS ON 4" BASE COURSE
7. 6" CONTINUOUS MOWSTRIP

5 CHAIN LINK FENCE
3/8" = 1'-0" — P-ED-ELL-61



1. HOLE FOR PADLOCK
2. PADLOCK (OPTIONAL)
3. DRAIN ROCK

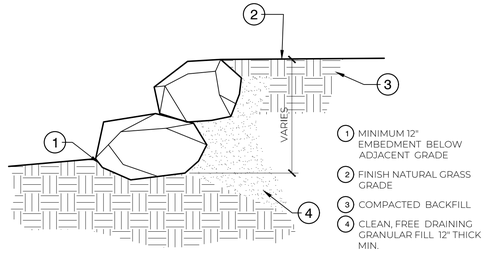
6 REMOVABLE BOLLARD
1" = 1'-0" — P-ED-ELL-69



1. BOTTOM OF ROOT BALL TO REST ON EXISTING OR RECOMPACTED SOIL.
2. REMOVE CONTAINERS, WIRE, BASKETS, ETC. PRIOR TO PLANTING. COMPLETELY REMOVE TWINE AND BURLAP FROM B&B STOCK
3. FINISHED GRADE
4. ROUND TOP SOIL BERM 4" HIGH X 8" WIDE SURROUNDING PERIPHERY OF ROOT BALL.
5. TRUNK CALIPER SHALL MEET ANSI Z60 CURRENT EDITION FOR ROOT BALL SIZE. TREE SHALL BE 2" MIN. CALIPER, MEASURED 20" ABOVE GROUND LEVEL
6. ROOT BALL, MODIFIED AS REQUIRED
7. CENTRAL LEADER
8. TOP OF ROOT BALL SHALL BE AT GRADE. ROOT COLLAR SHALL NOT BE 2" ABOVE FINISHED GRADE. ANY TREE PLANTED TOO DEEP WILL NOT BE ACCEPTED.
9. PRIOR TO MULCHING, LIGHTLY TAMP SOIL AROUND ROOT BALL. NO NOT OVER COMPACT. POUR WATER AROUND ROOTBALL TO SETTLE BACKFILL.
10. 4" MULCH LAYER. NO MORE THAN 1" MULCH TO COVER ROOT BALL.
11. DIG AND TURN SOIL TO REDUCE COMPACTION TO THE AREA AND DEPTH SHOWN. SLOPE SIDES.
12. EXISTING SOIL

NOTES:
1. THE SPACING & SPECIES OF TREES SHALL CONFORM TO THE REQUIREMENTS OF THE PLANNING COMMISSION. ANY SUBSTITUTIONS MUST BE APPROVED BY LOGAN CITY.
2. TREES SHOULD BE SELECTED BASED ON THE AREA'S SOIL AND CLIMATE.
3. TREES SHALL BE KEPT:
   - 3.1. OUTSIDE OF THE INTERSECTION SIGHT OF TRIANGLES AS DEFINED WITHIN SECTION 12 OF THE DEVELOPMENT CODE.
   - 3.2. NOT LESS THAT 20' FROM LAMP STANDARDS AND POWER POLES.
   - 3.3. NOT LESS THAN 10' FROM FIRE HYDRANTS.
   - 3.4. NOT LESS THAN 5' FROM SERVICE WALKS & DRIVEWAYS.
   - 3.5. NOT LESS THAN 5' FROM WATER METERS.
4. TREES TO BE INSPECTED BY OWNER AT DELIVERY AND/OR PRIOR TO PLANTING TO ENSURE QUALITY AND SIZE.
5. TREES TO BE INSPECTED DURING PLANTING BY OWNER TO ENSURE PROPER INSTALLATION.
6. TREES MAY BE ACCEPTED AFTER 30 DAYS MAINTENANCE TIME FROM INSPECTION, PROVIDED IT IS WEED FREE & OF NORMAL, ACCEPTABLE GROWTH FOR THE TIME OF YEAR.
7. PLANT TREE TO ITS NORMAL DEPTH & PUDDLE WITH A RUNNING STREAM OF WATER FROM A HOSE. PREPARE PLANTING HOLE & STAKE TREE AS REQUIRED.

7 TREE PLANTING
NTS — P-ED-ELL-10



1. MINIMUM 12" EMBEDMENT BELOW ADJACENT GRADE
2. FINISH NATURAL GRASS GRADE
3. COMPACTED BACKFILL
4. CLEAN, FREE DRAINING GRANULAR FILL 12" THICK MIN.

8 ROCK RETAINING WALL
3/4" = 1'-0" — P-ED-ELL-03

PRIME LANDSCAPE ARCHITECTURE

LOGAN CITY RESIDENT OWNED

ELLIS ELEMENTARY LANDSCAPE

348 WEST 300 NORTH
LOGAN, UTAH 84321

STATE OF UTAH — SCOTT KIRK HISLOP — NO. 8087409-5301 — LICENSED LANDSCAPE ARCHITECT

REVISIONS

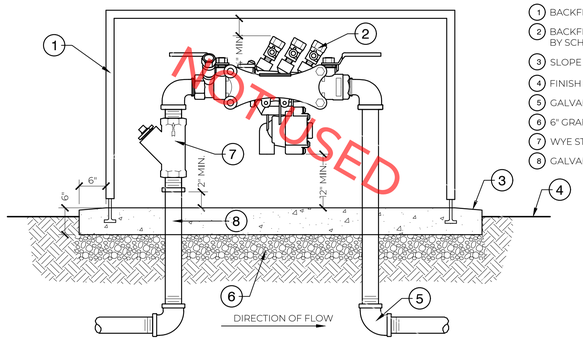
NO.	DATE	DESCRIPTION

PROJECT: 10006
CHECKED BY: HISLOP
ISSUED: 05-23-2023

SHEET NAME: PLANTING SITE DETAILS

SHEET NUMBER: L500

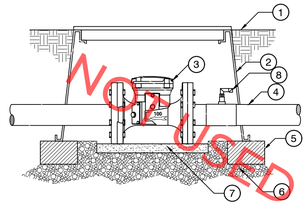
Blue Stakes of UTAH 811 — bluestakes.org — CALL



1. BACKFLOW ENCLOSURE
2. BACKFLOW PREVENTER SUPPLIED BY SCHOOL DISTRICT
3. SLOPE TO DRAIN. 0.5% MIN. (TYP.)
4. FINISH GRADE
5. GALVANIZED ELBOW
6. 6" GRANULAR FILL
7. WYE STRAINER
8. GALVANIZED NIPPLE

1 BACKFLOW PREVENTER

3/4" = 1'-0" P-ED-ELL-01



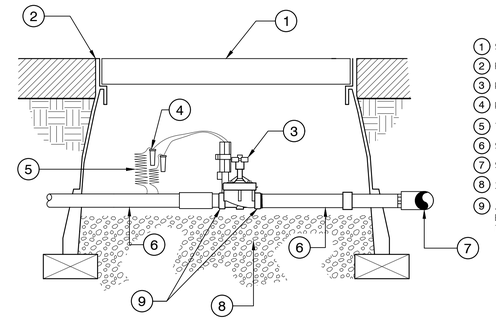
1. GRADE LEVEL
2. 14" X 19" VALVE BOX
3. 2" FLOWHD - PLASTIC
4. 2" PVC PIPE
5. BRICK SUPPORT
6. 1/2" CRUSHED GRAVEL
7. CONCRETE PAVER
8. AIR/ VACUUM VENT

NOTES TO DESIGNER:
1. AT LEAST TWO (2) PIPE DIAMETERS ARE REQUIRED BOTH UP AND DOWN STREAM BETWEEN FLOWHD AND ANY FITTINGS.
2. AT LEAST FIVE (5) PIPE DIAMETERS BETWEEN A PUMP AND THE FLOWHD.
3. INSTALL A COMBINATION AIR/VACUUM OR CONTINUOUS ACTING AIR VENT RIGHT BEFORE THE FLOWHD (SEE INSTALLATION INSTRUCTIONS).

2 2" WEATHERTRAK FLOWHD - PLASTIC INSTALLATION

NTS P-ED-ELL-59

NOTES:
1. VALVES SHALL BE AS SPECIFIED ON DRAWINGS AND APPROVAL BY THE PARKS DEPARTMENT.
2. VALVES SHALL BE INSTALLED IN A 17 INCH X 11.75 INCH VALVE BOX (NOTE THIS IS THE MINIMUM SIZE),
3. NO MORE THAN TWO VALVES PER BOX AND VALVES MUST BE POSITIONED SUCH THAT THE TOPS OF THE VALVE CAN BE REMOVED WITHOUT REMOVING THE VALVE BOX.

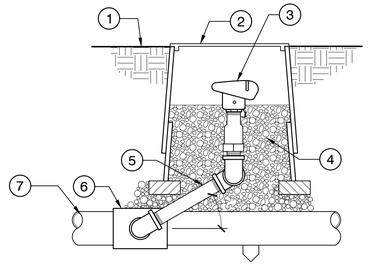


1. STANDARD VALVE BOX
2. FINISH GRADE
3. REMOTE CONTROL VALVE
4. PAIGE WIRE CONNECTORS (2)
5. 14 AWG PE WIRE
6. SCH. 40 PIPE AND FITTINGS
7. SCH. 80 FITTINGS
8. 3/4" MINUS WASHED GRAVEL
9. ACTION MANIFOLD FITTINGS (2 EACH) 18011-X, 18012-X

3 REMOTE CONTROL VALVE

NTS P-ED-ELL-35

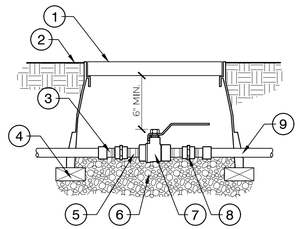
NOTES:
1. A QUICK COUPLING VALVE SHALL BE INSTALLED ON ALL MAIN LINES IMMEDIATELY AFTER THE BACKFLOW PREVENTION DEVICE. IN ADDITION, A QUICK COUPLING VALVE SHALL BE INSTALLED AT VALVE BOX CLUSTERS PER PLANS (SEE VALVE MANIFOLD DETAILS). ALL QUICK COUPLER VALVES SHALL BE INSTALLED IN A 10" ROUND VALVE BOX.
2. ALL QUICK COUPLING VALVE KEYS SHALL HAVE A HOSE SWIVEL ATTACHED TO THE KEY. ONE KEY TO BE TURNED OVER TO THE CITY PARKS DEPARTMENT AT COMPLETION OF THE PROJECT.



1. FINISH GRADE
2. 10" ROUND VALVE BOX
3. QUICK COUPLER VALVE
4. 3/4" MINUS GRAVEL
5. FACTORY MFG SWING JOINT
6. MAIN LINE TEE OR ELL
7. MAIN LINE PIPE

4 QUICK COUPLER VALVE

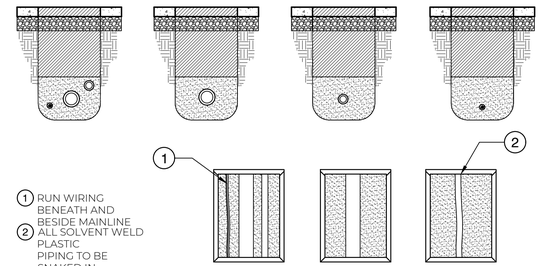
NTS P-ED-ELL-28



1. RECTANGULAR VALVE BOX
2. FINISH GRADE
3. TOE NIPPLE (TYP.)
4. BRICK PAVERS (TYP.)
5. CLOSE NIPPLE (TYP.)
6. 3/4" ROCK
7. ISOLATION BALL VALVE
8. PVC SCH. 80 UNION. SIZE AS REQUIRED (TYP.)
9. PVC MAINLINE

5 ISOLATION BALL VALVE

1 1/2" = 1'-0" P-ED-ELL-16

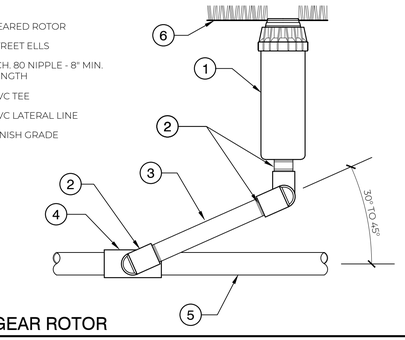


1. RUN WIRING BENEATH AND BESIDE MAINLINE
2. ALL SOLVENT WELD PLASTIC PIPING TO BE SNAKED IN

NOTES:
1. SLEEVES SHALL BE TWICE THE DIAMETER OF THE PIPE WITHIN.
2. PIPE AND WIRE SHALL BE PLACED IN SEPARATE SLEEVES.
3. TRENCHES SHALL BE EXCAVATED 2" BELOW NORMAL TO ALLOW FOR PROPER BEDDING. SELECTED FILL SHALL BE USED IF SOIL CONDITIONS ARE ROCKY.
4. MAIN LINE SHALL HAVE 18-24" COVER, LATERAL LINE SHALL HAVE 8-12" MIN. COVER. 4" OF SCREENED FILL SHALL COVER THE PIPE. THE TOP 6" OF COVER SHALL CONTAIN NO ROCKS/AGGREGATES LARGER THAN 2".
5. TRENCH FILL SHALL BE THOROUGHLY COMPACTED AND LEVELED WITH ADJACENT SOIL.
6. PLASTIC PIPE SHALL BE EXTRUDED FROM PVC 1120-1220 COMPOUD AND LABELED AS SUCH. ALL PVC PIPE SHALL BE SCH. 40. ALL MAINLINE FITTINGS SHALL BE SCH. 80.
7. ALL WIRING SHALL BE ENCLOSED IN CONDUIT: CONTROL WIRE, 2-WIRE, POWER WIRE.

6 PIPE/WIRE IN TRENCH

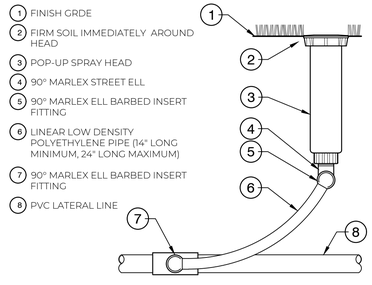
NTS P-ED-ELL-42



1. GEARED ROTOR
2. STREET ELLS
3. SCH. 80 NIPPLE - 8" MIN. LENGTH
4. PVC TEE
5. PVC LATERAL LINE
6. FINISH GRADE

7 GEAR ROTOR

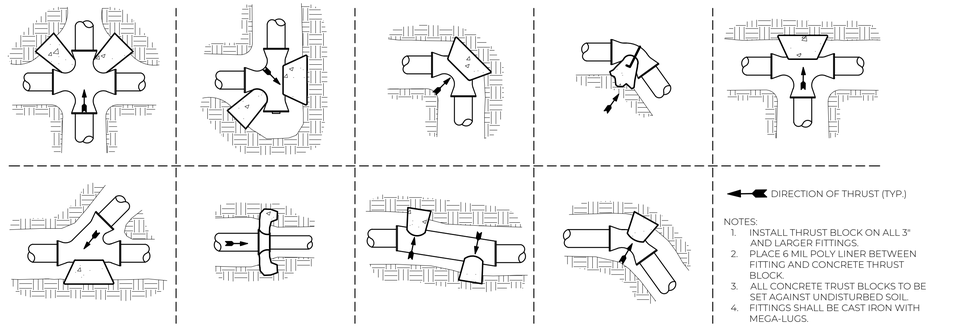
1" = 1" P-ED-ELL-14



1. FINISH GRDE
2. FIRM SOIL IMMEDIATELY AROUND HEAD
3. POP-UP SPRAY HEAD
4. 90° MARLEX STREET ELL
5. 90° MARLEX ELL BARBED INSERT FITTING
6. LINEAR LOW DENSITY POLYETHYLENE PIPE (14" LONG MINIMUM, 24" LONG MAXIMUM)
7. 90° MARLEX ELL BARBED INSERT FITTING
8. PVC LATERAL LINE

8 4"-6" POP UP SPRAY HEAD

3" = 1'-0" P-ED-ELL-13



DIRECTION OF THRUST (TYP.)

NOTES:
1. INSTALL THRUST BLOCK ON ALL 3" AND LARGER FITTINGS.
2. PLACE 6 MIL POLY LINER BETWEEN FITTING AND CONCRETE THRUST BLOCK.
3. ALL CONCRETE TRUST BLOCKS TO BE SET AGAINST UNDISTURBED SOIL.
4. FITTINGS SHALL BE CAST IRON WITH MEGA-LUGS.

9 THRUST BLOCKS

1" = 1'-0" P-ED-ELL-12

PRIME LANDSCAPE ARCHITECTURE

LOGAN CITY SCHOOL DISTRICT

ELLIS ELEMENTARY LANDSCAPE

348 WEST 300 NORTH
LOGAN, UTAH 84321

STATE OF UTAH
SCOTT KIRK HISLOP
NO. 9068409-5301
LICENSED LANDSCAPE ARCHITECT

REVISIONS

NO.	DATE	DESCRIPTION

PROJECT: 10006
CHECKED BY: HISLOP
ISSUED: 05-23-2023

SHEET NAME:
IRRIGATION DETAILS

SHEET NUMBER:
L501

Blue Stakes of UTAH 811 bluestakes.org
CALL

PLATING SPECIFICATIONS

1. LOCATE UTILITIES, CABLES, CONDUITS, PIPING, AND OTHER OBSTACLES PRIOR TO BEGINNING EXCAVATION. REMOVE ROCKS AND OTHER SIMILAR UNDERGROUND OBSTRUCTIONS TO DEPTHS NECESSARY TO PERMIT PROPER INSTALLATION OF TOPSOIL AND LANDSCAPE MATERIALS.
2. GRADING WORK SHALL BE DONE IN A MANNER WHICH DOES NOT CAUSE EXCESSIVE COMPACTION OR CLODS. ROUGH GRADE SUB-GRADE MATERIAL SO THAT A FINAL GRADE CAN BE ACHIEVED WITH PLACEMENT OF TOPSOIL. COMPACT AREAS UNDER PAVEMENT AND STRUCTURES TO NINETY-FIVE (95) PERCENT. IN PLANTING AREAS COMPACT TO BETWEEN EIGHTY-FIVE (85) AND NINETY (90) PERCENT.
3. ALL PLANTING AREAS SHALL HAVE A TOPSOIL DEPTH OF 4" IN LAWN AREAS TOPSOIL SHALL BE FERTILE FRIABLE, NATURAL, LOAM AND SHALL BE CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH. IT SHALL BE FREE OF STONES, LUMPS, CLODS OF HARD EARTH, PLANTS OR OTHER ROOTS, STICKS, AND OTHER EXTRANEOUS MATTER. THE SOIL SHALL NOT CONTAIN NOXIOUS WEEDS NOR THEIR SEEDS. IT SHALL NOT BE USED FOR PLANTING OPERATIONS WHILE IN A FROZEN OR MUDDY CONDITION. CONDUCT A TOPSOIL ANALYSIS TO VERIFY THE TOPSOIL WILL MEET THE FOLLOWING CRITERIA:
   A. CHEMICAL CHARACTERISTICS:
      1) ACIDITY / ALKALINITY RANGE: PH 5.5 TO 8.0.
      2) SOLUBLE SALTS: LESS THAN 3.0 MMHOS/CM.
      3) SODIUM ABSORPTION RATIO (SAR): LESS THAN 6.0.
      4) ORGANIC MATTER: GREATER THAN ONE PERCENT.
   B. PHYSICAL CHARACTERISTICS:
      1) GRADATION AS DEFINED BY USDA TRIANGLE OF PHYSICAL CHARACTERISTICS AS MEASURED BY HYDROMETER.
         a) SAND: 15 TO 60 PERCENT.
         b) SILT: 10 TO 60 PERCENT.
         c) CLAY: 5 TO 30 PERCENT.
      2) CLEAN AND FREE FROM TOXIC MINERALS AND CHEMICALS, NOXIOUS WEEDS, ROCKS LARGER THAN 1-1/2 INCH IN ANY DIMENSION, AND OTHER OBJECTIONABLE MATERIALS.
      3) SOIL SHALL NOT CONTAIN MORE THAN 2 PERCENT BY VOLUME OF ROCKS MEASURING OVER 3/32 INCH IN LARGEST SIZE.
5. WHEN PLACING TOPSOIL, SCARIFY THE SURFACE OF THE SUB-GRADE TO A TWO (2) INCH DEPTH TO PROVIDE A TRANSITION ZONE BETWEEN SUB-GRADE AND TOPSOIL. PLACE TOPSOIL ON SUB-GRADE, AND FINE GRADE TO MEET FINAL FINISH GRADE AND TOPSOIL DEPTHS AS INDICATED ON PLANS AND IN THESE NOTES.
6. FINISHED GRADES SHALL BE SMOOTH AND UNIFORM WITH GRADUAL TRANSITIONS BETWEEN PLANES. LANDSCAPE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 2% DRAINAGE AWAY FROM ALL BUILDINGS, STRUCTURES, AND WALLS. FINAL GRADE SHALL BE SET AND ADJUSTED TO ELIMINATE PUDDLING AND/OR STANDING WATER.
7. LANDSCAPE CONTRACTOR SHALL INSTALL A SIX (12) INCH WIDE BY SIX (6) INCH DEEP CONCRETE CURB WITH CHAIN LINK FENCE MADE UP OF THE FOLLOWING MATERIALS
   A. WASHED MORTAR SAND FREE OF ORGANIC MATERIAL
   B. PORTLAND CEMENT 3000 PSI
   C. REINFORCING #4 REBAR
   D. POTABLE WATER
8. LANDSCAPE CONTRACTOR SHALL APPLY A CONTACT HERBICIDE TO ALL PLANTING AREAS WHERE WEEDS OR UNDESIRABLE VEGETATION OCCURS ACCORDING TO MANUFACTURER'S SPECIFICATIONS. WEEDS SHALL BE ALLOWED TO COMPLETELY DIE BACK, INCLUDING THE ROOTS, BEFORE PROCEEDING WITH WORK. DEAD WEEDS SHALL BE REMOVED FROM THE SITE.
9. PRIOR TO PLANTING, THE IRRIGATION SYSTEM SHALL BE FULLY OPERATIONAL AND ALL PLANTING AREAS SHALL BE THOROUGHLY MOISTENED.
10. PLANT MATERIAL SHALL BE INSPECTED PRIOR TO INSTALLATION BY OWNER'S REPRESENTATIVE. PLANT MATERIALS SHALL BE HEALTHY AND OF GOOD FORM. ANY DAMAGED, MALFORMED, DISEASED, OR ROOT BOUND PLANTS SHALL BE REJECTED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
11. FOR PLANTING INFORMATION, SEE PLANTING DETAILS.
12. SOD SHALL BE FIRST GRADE, PEST AND WEED FREE, ONE AND ONE QUARTER (1-1/4") INCHES THICK SUPPLIED IN ROLLS OR SHEETS OF INDUSTRY STANDARD SIZE. SOD AREAS SHALL HAVE FERTILIZER 16,16,16 AT ONE POUND OF NITROGEN PER THOUSAND (1000) SQUARE FEET INCORPORATED INTO THE UPPER 4" OF TOP SOIL. ADJUST FERTILIZATION MIXTURE, APPLICATION RATE AND ADD ANY RECOMMENDED SOIL AMENDMENTS TO MEET RECOMMENDATION GIVEN BY TOPSOIL ANALYSIS. THE GRADE OF SOD SHALL BE ONE HALF (1/2) INCH BELOW PAVED ADJACENT SURFACES OR TO MEET EXISTING LAWN. LAY SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. STAGGER STRIPS TO OFFSET JOINTS. TOP DRESS BY WORKING SIFTED SOIL INTO MINOR CRACKS BETWEEN PIECES OF SOD; REMOVING EXCESS TO PREVENT SMOTHERING ADJACENT GRASS. TAMP OR ROLL LIGHTLY TO INSURE GOOD CONTACT IS MADE BETWEEN EDGES AND THE GROUND. SOD LAID ON ANY SLOPED AREAS SHALL BE ANCHORED WITH WOODEN DOWELS OR OTHER MATERIALS WHICH ARE ACCEPTED BY THE SODDING INDUSTRY.
13. PROTECT LANDSCAPING FROM DAMAGE DUE TO LANDSCAPED OPERATION, OPERATION BY OTHER CONTRACTORS AND TRADES, AND TRESPASSERS. TREAT, REPAIR, OR REPLACE DAMAGED LANDSCAPE WORK AS DIRECTED BY OWNER'S REPRESENTATIVE AT CONTRACTOR'S EXPENSE. REMOVE RUBBISH, TRASH, AND DEBRIS RESULTING FROM OPERATION AT THE END OF EACH WORK DAY AND LEGALLY DISPOSE OF IT OFF THE OWNER'S PROPERTY. WASH PAVED SURFACES CLEAN.
14. AT COMPLETION OF ALL WORK OUTLINED IN THESE PLANS, THE LANDSCAPE CONTRACTOR SHALL CONTACT OWNER AND ARRANGE FOR A WALK-THROUGH TO VERIFY THAT ALL ASPECTS OF WORK HAVE BEEN PROPERLY INSTALLED. A MAINTENANCE PERIOD WILL BEGIN ON THE DATE OF OWNER'S WRITTEN ACCEPTANCE OF THE INSTALLATION.
15. MAINTENANCE PERIOD SHALL BE IN EFFECT UNTIL THE OWNER'S REPRESENTATIVE ACCEPTS THE PLANTS, WHICH WILL BE A MINIMUM OF 60 DAYS FOR TREES, SHRUBS AND SOD. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN ALL PLANTS UNTIL TURF IS FULLY ESTABLISHED. IN SODDED LAWNS, SUPOTS SIX (6) INCHES OR LARGER OR ANY AREAS FOUND NOT ACCEPTABLE, SHALL BE RE-SODDED. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO:
   A. WATERING FOR PLANT GROWTH, FERTILIZATION, REPLACING DEAD AND DAMAGED PLANTS, MAINTENANCE ON IRRIGATION SYSTEM, MOWING, WEEDING, WEEKLY CLEARING OF TRASH, AND FILLING, RE-COMPACTING, AND REPLANTING ERODED OR LOW AREAS AS NECESSARY.
18. A FINAL INSPECTION OF THE PLANTING AND LANDSCAPE IMPROVEMENTS WILL BE MADE AT THE END OF MAINTENANCE PERIOD. THE OWNER'S REPRESENTATIVE SHALL ISSUE A LETTER OF ACCEPTANCE TO THE CONTRACTOR UPON RECTIFYING IDENTIFIED DEFICIENT ITEMS. A GUARANTEE PERIOD SHALL BEGIN UPON RECEIPT OF THE LETTER OF ACCEPTANCE.
19. A ONE (1) YEAR GUARANTEE PERIOD SHALL BEGIN FROM END OF MAINTENANCE PERIOD AND FINAL ACCEPTANCE FOR TREES, SHRUBS, AND PERENNIALS. ALL PLANTS SHALL GROW AND BE HEALTHY FOR THE GUARANTEE PERIOD AND TREES SHALL LIVE AND GROW IN ACCEPTABLE UPRIGHT POSITION. ANY OUTSIDE FACTORS, SUCH AS VANDALISM OR LACK OF MAINTENANCE ON THE PART OF THE OWNER, SHALL NOT BE CONSIDERED IN THE GUARANTEE.

IRRIGATION SPECIFICATIONS

1. WORKMANSHIP AND MATERIALS SHALL CONFORM TO ALL GOVERNMENTAL CODES AND REGULATIONS HAVING JURISDICTION. INSTALL ALL MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIM/HERSELF WITH ALL GRADES, LOCATION OF WALKS, STRUCTURES, AND UTILITIES. THE CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY HIS/HER WORK.
3. ALL UNDERGROUND UTILITIES ARE NOT SHOWN ON THESE PLANS. INSTALLER SHALL LOCATE ALL UNDERGROUND UTILITIES AT LEAST FORTY-EIGHT (48) HOURS BEFORE DIGGING. THE INSTALLER SHALL CALL BLUE STAKE, PROPERTY OWNER, AND CONSULT WITH ANY OTHER PERSONS OR AGENCIES HAVING INFORMATION ON LOCATIONS OF UNDERGROUND UTILITIES.
4. NOTIFY PROJECT REPRESENTATIVE OF ANY DISCREPANCY FOUND BETWEEN THE CONSTRUCTION DOCUMENTS AND THE EXISTING SITE AND/OR MATERIALS TO BE INSTALLED. DO NOT INSTALL THE IRRIGATION SYSTEM AS SHOWN WHEN ANY UNKNOWN CONDITION SUCH AS OBSTRUCTIONS, DIFFERENCES IN GRADE, AND AREA DIMENSIONS EXIST IN THE FIELD WHICH WERE NOT CONSIDERED IN THE IRRIGATION DESIGN. IN THE EVENT THAT NOTIFICATION IS NOT GIVEN BY THE CONTRACTOR TO OWNER'S REPRESENTATIVE, THEN THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS OR CHANGE ORDERS.
5. NO PART OF THIS SYSTEM SHALL BE INSTALLED IN ANY LOCATION OR MANNER WHICH MAY ENDANGER THE HEALTH, SAFETY, OR WELFARE OF THE PUBLIC. OPEN EXCAVATIONS SHALL BE BARRICADED OR COVERED. PROVIDE AND MAINTAIN ALL LIGHTS, WARNING SIGNS, BARRICADES, ETC. AS MAY BE REQUIRED OR NECESSARY TO PROTECT THE PUBLIC.
6. INSTALLER SHALL CHECK THE STATIC WATER PRESSURE AT THE POINT OF CONNECTION PRIOR TO START OF INSTALLATION. IF PRESSURE IS 5 PSI HIGHER OR LOWER AS SPECIFIED, THE INSTALLER SHALL NOTIFY THE PROJECT REPRESENTATIVE.
7. THE PROJECT IS DESIGNED TO OPERATE AT A STATIC PRESSURE IN THE CITY MAIN OF 70 P.S.I.
8. PIPE PLACEMENT AND VALVE LOCATIONS ARE DIAGRAMMATIC. LOCATE PIPING AND VALVE BOXES IN GENERAL LOCATION PER PLAN. MAINLINE AND VALVES ARE SHOWN TO AID IN FUTURE EXPANSION PROJECT.
9. CONTRACTOR TO COORDINATE SLEEVING UNDER EXISTING PAVED SURFACES AND REPLACE SURFACES IF DAMAGED DURING SLEEVING SLEEVES SHALL BE A MINIMUM OF TWO TIMES LARGER THAN THE PIPE TO BE SLEEVED. IRRIGATION CONTROL WIRE WILL BE SLEEVED UNDER PAVEMENT ADJACENT TO THE IRRIGATION MAINLINE OR FROM THE CONTROLLER TO THE MAININE IN 2" CONDUIT. ALL CONTROL WIRES SHALL BE SLEEVED BETWEEN THE CONTROLLER AND IRRIGATION MAINLINE IN 2" CONDUIT.
10. INSTALLER SHALL FILL AND COMPACT EXCAVATIONS SO THAT THEY ARE FLUSH WITH SURROUNDING GRADE AND WILL NOT SETTLE.
11. INSTALL ALL IRRIGATION ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
12. INSTALL MANUAL DRAIN VALVES AS PER DETAILS AT ALL LOW POINTS ON THE MAINLINE. LATERAL LINES TO DRAIN TO DRAIN VALVE IN THE REMOTE-CONTROL VALVE BOX.
13. TIE TO EXISTING 2 WIRE IRRIGATION CONTROLLER ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. CONTACT OWNER FOR LOCATION OF CONTROLLER. EARTH GROUND THE CONTROLLER AND CONTROL WIRES PER MANUFACTURERS RECOMMENDATIONS.
14. SET UP WEATHERTRAK MOBILE APP AND POPULATE ALL NEW VALVES AS ASSETS. INCLUDE INSTALL IMAGE AND VALVE INFORMATION AS WELL AS GEOLOCATED ASSET. TRAIN OWNER UPON COMPLETION HOW TO OPERATE APP.
15. CONTROL WIRE SHALL MATCH EXISTING 2 WIRE.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER COVERAGE OF ALL IRRIGATED AREAS.
17. ADJUST HEADS TO MINIMIZE SPRAY ON FENCES, WALLS, AND BUILDINGS. ABSOLUTELY NO WATER SHALL SPRAY OR DRAIN ONTO OR OVER STAIRS OR STEPS, OR DRAIN ACROSS WALKS, CURBS, OR STREETS. PROGRAM CONTROLLER FOR MULTIPLE START TIMES TO PREVENT RUNOFF. INSTALL ANTI-DRAIN CHECK VALVES UNDER HEADS WHERE DRAINAGE OCCURS OR USE HEADS WITH INTEGRAL CHECK VALVES.
18. IRRIGATION TIME CLOCKS SHALL BE READJUSTED CONTINUOUSLY THROUGHOUT THE IRRIGATION SEASON TO PROVIDE SUFFICIENT WATER FOR PLANT LIFE. OVER WATERING CAN RESULT IN DEATH OF PLANTS, POSSIBLE SOIL EXPANSION, DAMAGE TO CONCRETE AND ASPHALT PAVING, DAMAGE TO FOUNDATIONS AND POSSIBLE LOSS OF SOIL COMPACTION.
19. PLACE ALL IRRIGATION MAINLINES UNDER WORKING PRESSURE FOR TWO HOURS. REPAIR OR REPLACE ALL DEFECTIVE ELEMENTS AND REPEAT TEST UNTIL ALL LEAKS STOP.
20. THE CONTRACTOR SHALL KEEP THE PREMISES CLEAN AND FREE OF EXCESS EQUIPMENT, MATERIALS, AND RUBBISH INCIDENTAL TO WORK OF THIS SECTION.
21. THE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM FOR THE DURATION OF THE MAINTENANCE PERIOD OF 60 DAYS FOR PLANTS AND 90 DAYS FOR TURF GRASS. WATER, MOW, AND WEED THE SITE AS NECESSARY FOR THE HEALTH OF THE INSTALLED LANDSCAPE.
22. FINAL INSPECTION AT THE END OF WORK SHALL BE MADE WITH THE OWNER'S REPRESENTATIVE AND IRRIGATION CONTRACTOR. A COVERAGE TEST WILL BE DONE, AND THE SYSTEM INSTALLATION INSPECTED AND A PUNCH LIST OF FINAL ITEMS NEEDING COMPLETION MADE. A LETTER OF ACCEPTANCE SHALL BE GIVEN BY THE OWNER TO THE CONTRACTOR AT THE COMPLETION OF THE PUNCH LIST AND THE DELIVERY OF AS-BUILT IRRIGATION PLANS.
23. GUARANTEE: ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF OWNER'S ACCEPTANCE. GUARANTEE SHALL ALSO COVER REPAIR FOR DAMAGE TO ANY PART OF THE PREMISES RESULTING FROM LEAKS OR OTHER DEFECTS IN MATERIAL, EQUIPMENT OR WORKMANSHIP, TO THE SATISFACTION OF THE OWNER. REPAIRS, IF REQUIRED, SHALL BE DONE PROMPTLY AND AT NO COST TO THE OWNER.
24. ALL ABOVE-GROUND EQUIPMENT SHALL BE INSTALLED ADJACENT TO STRUCTURES, FENCES, WALLS, OR IT SHALL BE PERMANENTLY BARRICADED IN SUCH A WAY AS TO PREVENT TRIPPING OVER IT OR RUNNING INTO IT INADVERTENTLY. ALL IRRIGATION HEADS WITHIN TWENTY-FOUR (24) INCHES OF WALKS, CURBS, TURF AREAS, DRIVEWAYS, OR OTHER PEDESTRIAN TRAFFIC AREAS SHALL BE POP-UP STYLE WITH POSITIVE SPRING RETRACTION, AND SHALL RETRACT FLUSH WITH GROUND WHEN NOT OPERATING.

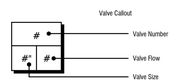
IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
18 ADJ 18 F	Rain Bird R-VAN18 RD-04-SAM-P45 Turf Rotary, 13ft.-18ft. 45-270 degrees and 360 degrees. Hand Adjustable Multi-Stream Rotary w/RD1800 turf spray body on 4in. pop-up, with check valve and 45 psi in-stem pressure regulator. 1/2in. NPT Female Threaded Inlet.	36	40

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM
△	Hunter I-20-04 8.0 Turf Rotor, 4in. Pop-Up. Adjustable and Full Circle. Plastic Riser. Drain Check Valve. Standard Nozzle.	1	35	7
□	Rain Bird 6504-PC, FC 06 Turf Rotor, 4.0in. Pop-Up, Plastic Riser, Adjustable and Full Circle. With Removable Seal-A-Matic Check Valve, 1in. Female Threaded Inlet.	5	40	4.9
□	Rain Bird 6504-PC, FC 10 Turf Rotor, 4.0in. Pop-Up, Plastic Riser, Adjustable and Full Circle. With Removable Seal-A-Matic Check Valve, 1in. Female Threaded Inlet.	19	40	8.1
□	Rain Bird 6504-PC, FC 12 Turf Rotor, 4.0in. Pop-Up, Plastic Riser, Adjustable and Full Circle. With Removable Seal-A-Matic Check Valve, 1in. Female Threaded Inlet.	13	40	9.7

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
◓	Rain Bird PEB-PRS-D 1-1/2" 1in., 1-1/2in., 2in. Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Pressure Regulator Module.	10
◓	Rain Bird PEB-PRS-D 2" 1in., 1-1/2in., 2in. Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Pressure Regulator Module.	2
◪	Rain Bird 44-RC 1" 1in. Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Thermoplastic Rubber Cover, and 2-Piece Body.	2

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Irrigation Lateral Line: PVC Schedule 40 3/4"	513.4 l.f.
	Irrigation Lateral Line: PVC Schedule 40 1"	438.1 l.f.
	Irrigation Lateral Line: PVC Schedule 40 1 1/4"	384.5 l.f.
	Irrigation Lateral Line: PVC Schedule 40 1 1/2"	167.5 l.f.
	Irrigation Lateral Line: PVC Schedule 40 2"	213.3 l.f.
	Irrigation Mainline: PVC Schedule 40 1"	7.0 l.f.
	Irrigation Mainline: PVC Schedule 40 1 1/4"	6.0 l.f.
	Irrigation Mainline: PVC Schedule 40 1 1/2"	110.6 l.f.
	Irrigation Mainline: PVC Schedule 40 2"	277.7 l.f.
	Pipe Sleeve: PVC Class 200 SDR 21	52.6 l.f.



CALL

PRIME LANDSCAPE ARCHITECTURE

LOGAN CITY REDEVELOPMENT

ELLIS ELEMENTARY LANDSCAPE

348 WEST 300 NORTH
LOGAN, UTAH 84321

STATE OF UTAH
DUSTIN KIRK HISLOP
NO. 9087409-5301
LICENSED LANDSCAPE ARCHITECT

REVISIONS

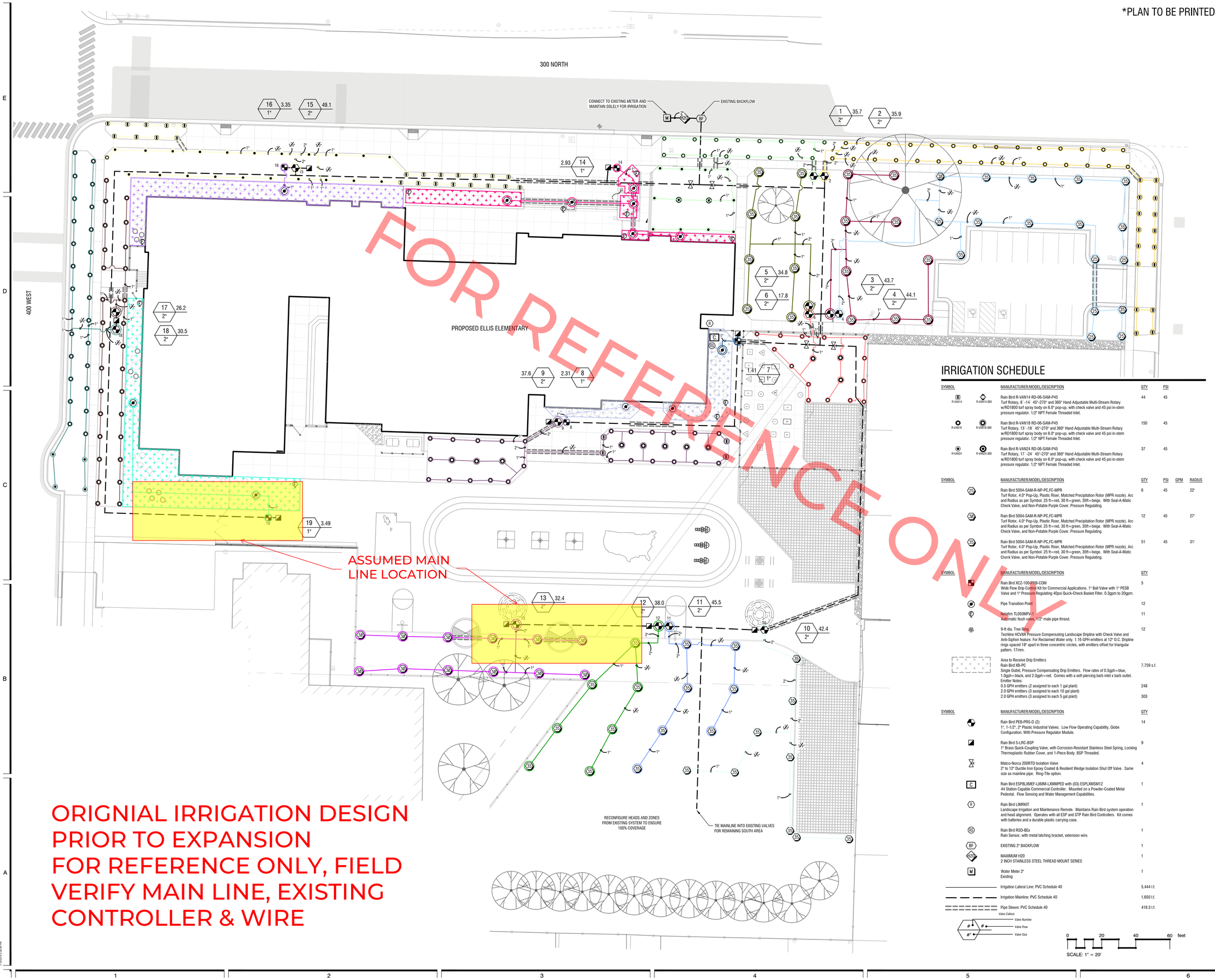
NO.	DATE	DESCRIPTION

PROJECT: 10006
CHECKED BY: HISLOP
ISSUED: 05-23-2023

SHEET NAME:
SPECS & SCHEDULE

SHEET NUMBER:
L502

PLAN TO BE PRINTED IN COLOR



ORIGNIAL IRRIGATION DESIGN
PRIOR TO EXPANSION
FOR REFERENCE ONLY, FIELD VERIFY MAIN LINE, EXISTING CONTROLLER & WIRE

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
R-VAN14 / R-VAN14-360	Rain Bird R-VAN14 RD-06-SAM-P45 Turf Rotary, 8`-14` 45°-270° and 360° Hand Adjustable Multi-Stream Rotary w/RD1800 turf spray body on 6.0" pop-up, with check valve and 45 psi in-stem pressure regulator. 1/2" NPT Female Threaded Inlet.	44	45
R-VAN18 / R-VAN18-360	Rain Bird R-VAN18 RD-06-SAM-P45 Turf Rotary, 13`-18` 45°-270° and 360° Hand Adjustable Multi-Stream Rotary w/RD1800 turf spray body on 6.0" pop-up, with check valve and 45 psi in-stem pressure regulator. 1/2" NPT Female Threaded Inlet.	150	45
R-VAN24 / R-VAN24-360	Rain Bird R-VAN24 RD-06-SAM-P45 Turf Rotary, 17`-24` 45°-270° and 360° Hand Adjustable Multi-Stream Rotary w/RD1800 turf spray body on 6.0" pop-up, with check valve and 45 psi in-stem pressure regulator. 1/2" NPT Female Threaded Inlet.	37	45

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS
25	Rain Bird 5004-SAM-R-NP-PC,FC-MPR Turf Rotor, 4.0" Pop-Up, Plastic Riser, Matched Precipitation Rotor (MPR nozzle). Arc and Radius as per Symbol. 25 ft=red, 30 ft=green, 35ft=beige. With Seal-A-Matic Check Valve, and Non-Potable Purple Cover. Pressure Regulating.	6	45		22'
30	Rain Bird 5004-SAM-R-NP-PC,FC-MPR Turf Rotor, 4.0" Pop-Up, Plastic Riser, Matched Precipitation Rotor (MPR nozzle). Arc and Radius as per Symbol. 25 ft=red, 30 ft=green, 35ft=beige. With Seal-A-Matic Check Valve, and Non-Potable Purple Cover. Pressure Regulating.	12	45		27'
35	Rain Bird 5004-SAM-R-NP-PC,FC-MPR Turf Rotor, 4.0" Pop-Up, Plastic Riser, Matched Precipitation Rotor (MPR nozzle). Arc and Radius as per Symbol. 25 ft=red, 30 ft=green, 35ft=beige. With Seal-A-Matic Check Valve, and Non-Potable Purple Cover. Pressure Regulating.	51	45		31'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Rain Bird XCZ-100-PRB-COM Wide Flow Drip Control Kit for Commercial Applications. 1" Ball Valve with 1" PESB Valve and 1" Pressure Regulating 40psi Quick-Check Basket Filter. 0.3gpm to 20gpm.	5
	Pipe Transition Point	12
	Netafim TLO50MFV-1 Automatic flush valve, 1/2" male pipe thread.	11
	9-ft dia. Tree Ring Techline HCVXR Pressure Compensating Landscape Dripline with Check Valve and Anti-Siphon feature. For Reclaimed Water only. 1.16 GPH emitters at 12" O.C. Dripline rings spaced 18" apart in three concentric circles, with emitters offset for triangular pattern. 17mm.	12
	Area to Receive Drip Emitters Rain Bird XB-PC Single Outlet, Pressure Compensating Drip Emitters. Flow rates of 0.5gph=blue, 1.0gph=black, and 2.0gph=red. Comes with a self-piercing barb inlet x barb outlet. Emitter Notes: 0.5 GPH emitters (2 assigned to each 1 gal plant) 2.0 GPH emitters (3 assigned to each 10 gal plant) 2.0 GPH emitters (3 assigned to each 5 gal plant)	7,759 s.f. 248 303

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Rain Bird PEB-PRS-D (Z) 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Pressure Regulator Module.	14
	Rain Bird 5-LRC-BSP 1" Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Thermoplastic Rubber Cover, and 1-Piece Body. BSP Threaded.	9
	Matco-Norca 200RTD Isolation Valve 2" to 12" Ductile Iron Epoxy Coated & Resilient Wedge Isolation Shut Off Valve. Same size as mainline pipe. Ring-Tite option.	4
C	Rain Bird ESP8LXMEF-LXMM-LXMMPED with (03) ESPLXMSM12 44 Station Capable Commercial Controller. Mounted on a Powder-Coated Metal Pedestal. Flow Sensing and Water Management Capabilities.	1
R	Rain Bird LIMRKIT Landscape Irrigation and Maintenance Remote. Maintains Rain Bird system operation and head alignment. Operates with all ESP and STP Rain Bird Controllers. Kit comes with batteries and a durable plastic carrying case.	1
RS	Rain Bird RSD-BEx Rain Sensor, with metal latching bracket, extension wire.	1
BF	EXISTING 2" BACKFLOW	1
HZO	MAXIMUM HZO 2 INCH STAINLESS STEEL THREAD MOUNT SERIES	1
M	Water Meter 2" Existing	1
	Irrigation Lateral Line: PVC Schedule 40	5,444 l.f.
	Irrigation Mainline: PVC Schedule 40	1,650 l.f.
	Pipe Sleeve: PVC Schedule 40	419.3 l.f.

Valve Callout
Valve Number
Valve Flow
Valve Size

0 20 40 60 feet
SCALE: 1" = 20'

NORTH

CONFORMED SET

design west | architects
LOGAN UT 84321
255 SOUTH 300 WEST
SALT LAKE CITY UT 84103
795 NORTH 400 WEST

ELLIS ELEMENTARY SCHOOL
348 W 300 N, LOGAN, UT
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 119291
DRAWN BY: HISLOP
CHECKED BY: WRIGHT
ISSUED: 05.08.2020

STATE OF UTAH
CHRISTOPHER M. WRIGHT
105101-5301
LICENSED LANDSCAPE ARCHITECT

IRRIGATION PLAN
L-201

7/1/2019 2:36:59 PM