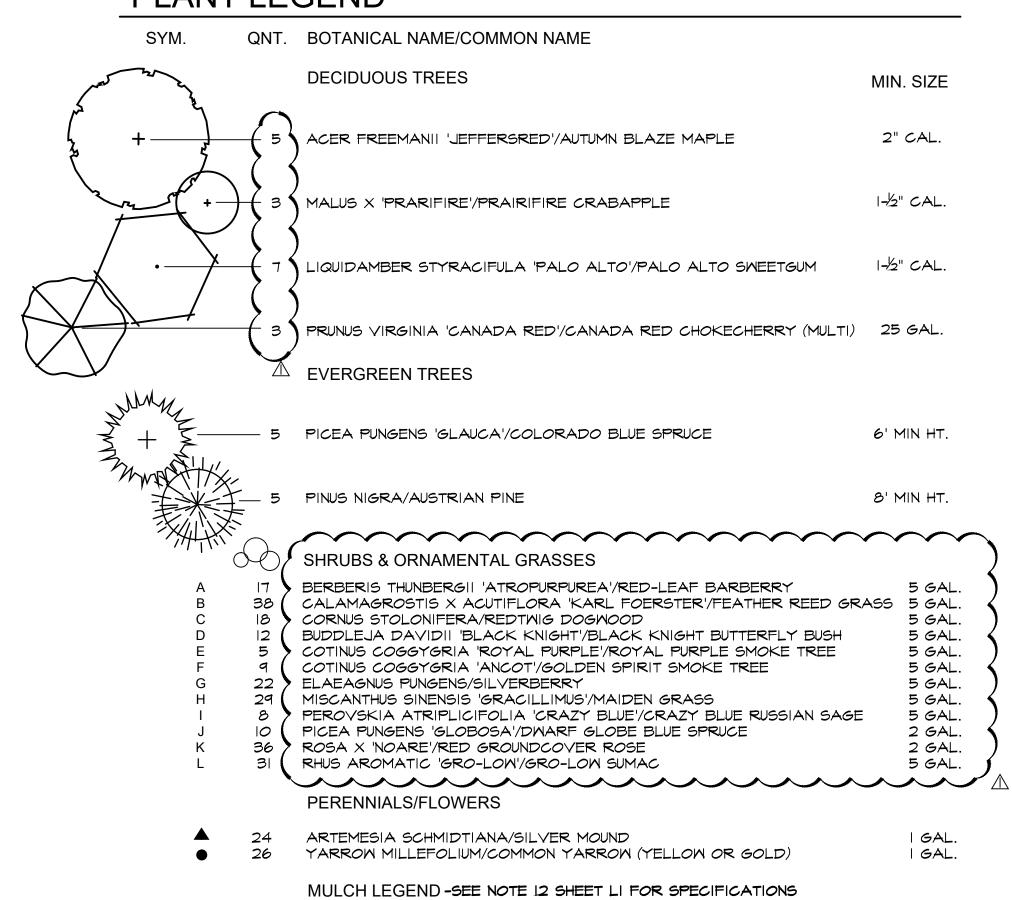
REFERENCE CHART						
SYM.	QTY.	DESCRIPTION	MFG/MODEL NUMBER	COLOR*		
A	2	6' PICNIC TABLES	WEBCOAT: 6' TABLE T6PERFPEDS, IN-GROUND MOUNT	TOP: GREEN SEAT: GREEN FRAME: BLACK		
<b>3</b>	1	क्रिके 8' ADA PICNIC TABLE	WEBCOAT: 8' ADA TABLE T8PERFDBLPEDHDCPS, IN-GROUND MOUNT	TOP: GREEN SEAT: GREEN FRAME: BLACK		
Θ	7	BENCHES	WEBCOAT: 6' BENCH WITH BACKLESS B6PERFS IN-GROUND MOUNT	SEAT: GREEN FRAME: BLACK		
D	1	T TRASH RECEPTACLES	WABASH VALLEY: RECEPTACLE (LR300D) WITH LINER (LR310N), DOMED LOCKING LID (DT100N), INGROUND LEG MOUNT (10056)	RECEPTACLE: GREEN LID/LINER: GRAY		
<b>3</b>	1	PARK REGULATION SIGNAGE (2) PANELS	CONTRACTOR TO PROVIDE. SPECIFICATIONS TO BE IN CONFORMANCE WITH WASHOE COUNTY REGIONAL PARKS & OPEN SPACE STANDARDS	LOCATION TO BE DETERMINED I FIELD. SEE 2 PANEL SIGNAGE CONCEPT,		
•	1	PRIMARY PARK SIGNAGE	CONTRACTOR TO PROVIDE. SPECIFICATIONS TO BE IN CONFORMANCE WITH WASHOE COUNTY REGIONAL PARKS & OPEN SPACE STANDARDS	TBD		
<b>G</b>	1	BIKE RACK (5 BIKE CAPACITY)	GAMETIME: LOOP BIKE RACK, 5 BIKES, IN-GROUND MOUNT (#7700)	GREEN		
•		CONCRETE SIDEWALK	PER CIVIL DRAWINGS			
0	2	PET STATION	MINI DOG WASTE STATION WITH BAG DISPENSER & SIGN MOUNTED ON METAL POST. MODEL: DEPOT-023 BY DOGIPOT (OAE)	GREEN		
0	1	SHADE SAIL	LARGE (20'x15') CANTILEVER TORNADO SHADE SAIL FROM SHADE SYSTEMS, INC.	COLOR TBD		
<b>©</b>	1	2-5 YR. PLAYGROUND	PLAY EVENTS BURKE MODEL #3D-2661 29'x23' USE AREA			
0	1	2-5 YR. PLAYGROUND	SWINGS BURKE MODEL #550-9011 24'x23' USE AREA			
<b>W</b>	1	2-5 YR. PLAYGROUND	VOLTA SPINNER BURKE MODEL #560-2599 20' DIAM. USE AREA			
0	1	2-5 YR. PLAYGROUND	KID FORCE SPINNER BURKE MODEL #560-2573 14' DIAM. USE AREA			
•	1	5-12 YR. PLAYGROUND	VOLITO MULTI USER SWING BURKE MODEL #550-0186 30'x27' USE AREA			
Ð	1	5-12 YR. PLAYGROUND	MULTI PLAY BURKE MODEL #NUIN-2717 57'x45' USE AREA			

# PLANT LEGEND



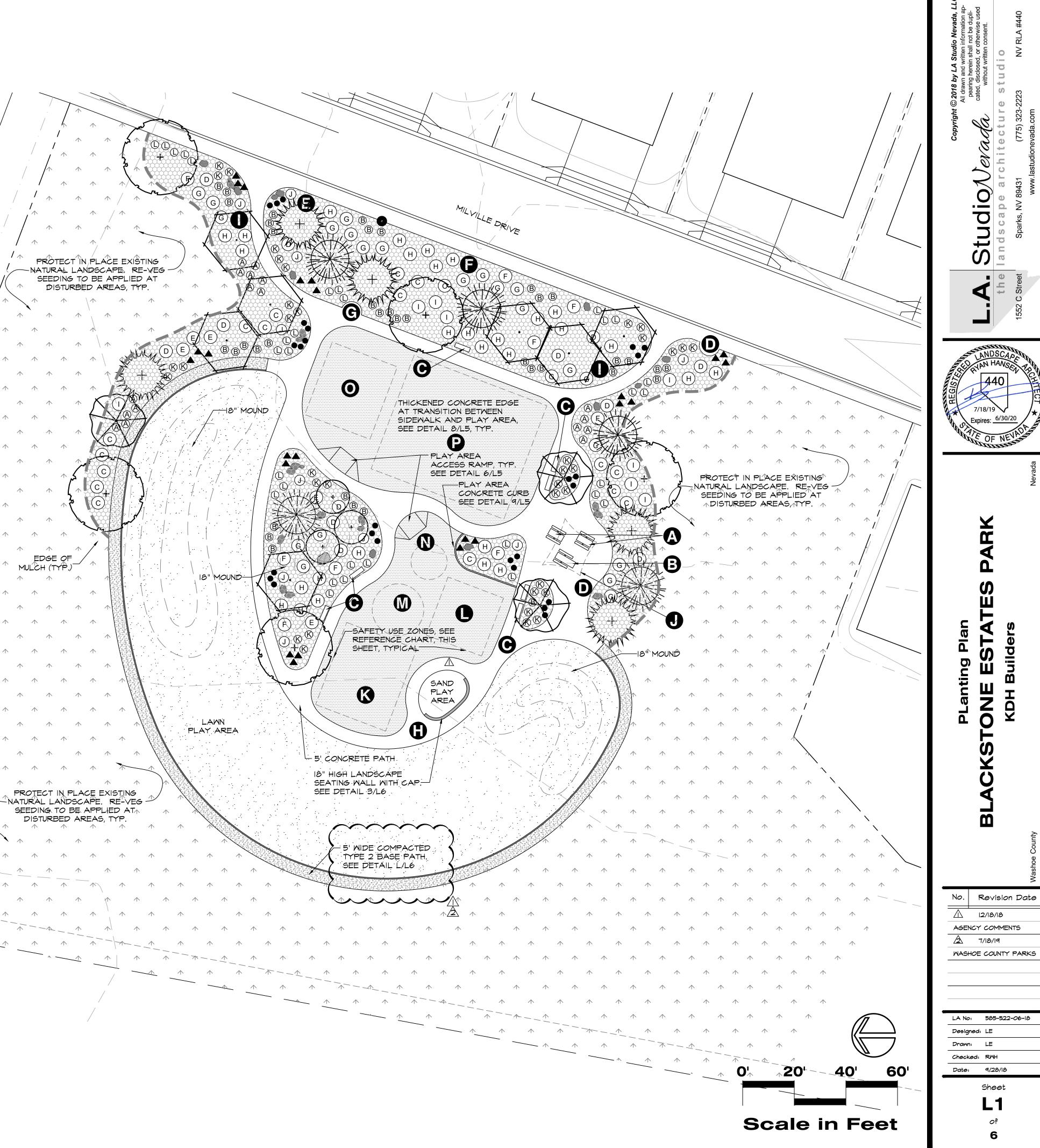
MOOD FIBER 'FIBAR'

"FROCK" FRACTURED ROCK

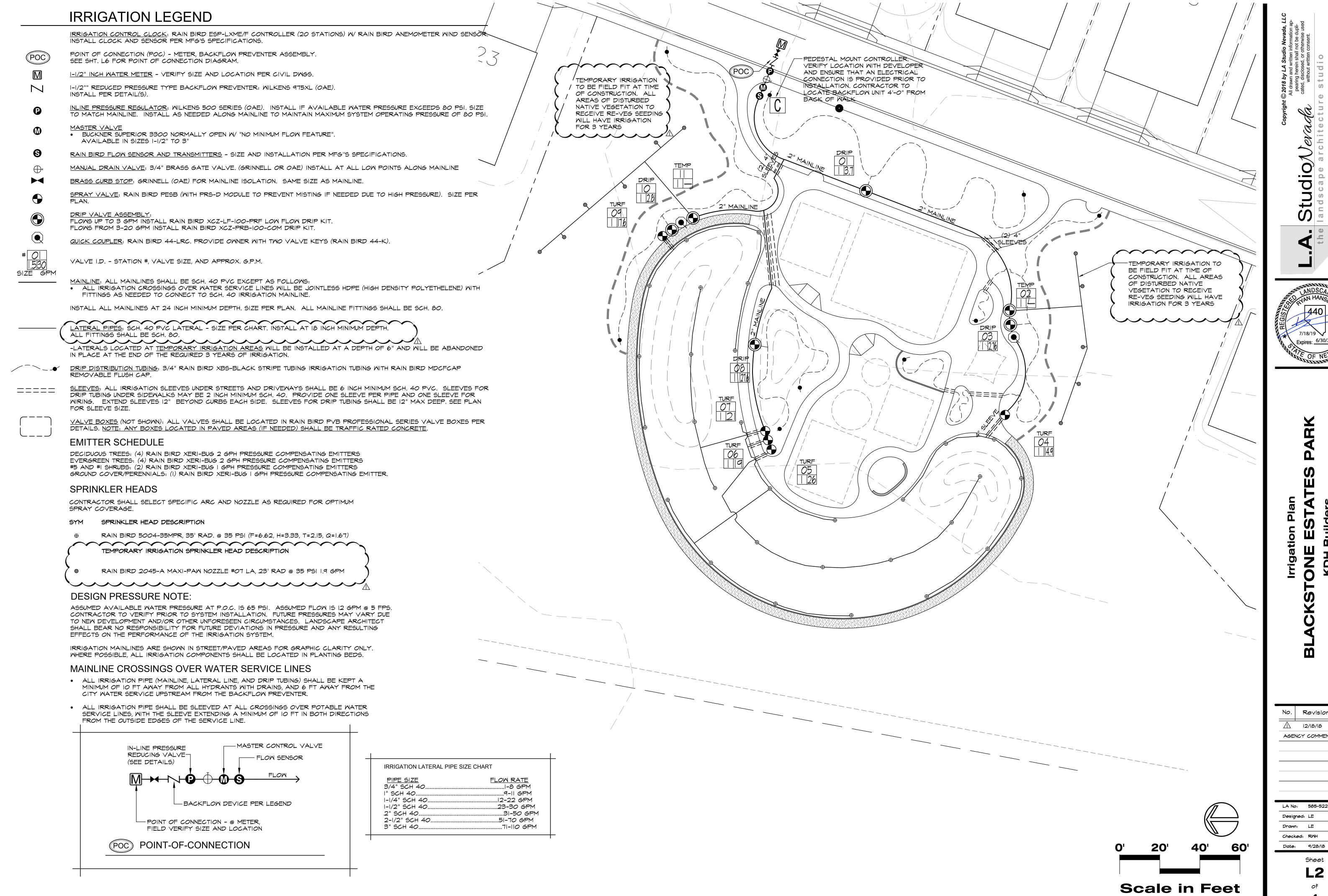
LANDSCAPE BOULDERS - SALVAGED ON-SITE OR IMPORTED

THROUGHOUT THE LANDSCAPE AS INDICATED PER PLAN. SIZE

LANDSCAPE BOULDERS TO BE RANDOMLY PLACED



WASHOE COUNTY PARKS



Revision Date <u>/|</u>\ |2/|8/|8 AGENCY COMMENTS

LA No: 585-522-06-18

NOTE: ALL FITTINGS SHALL BE SCH. 80 ONLY

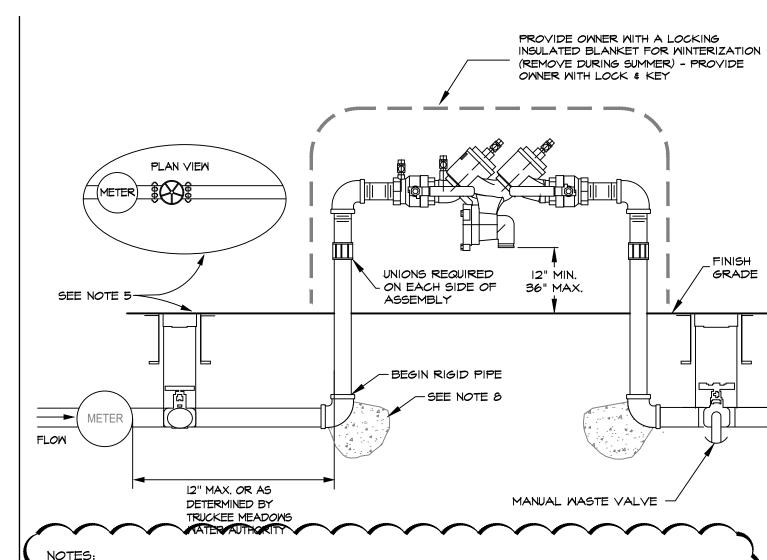
SPRAY VALVE ASSEMBLY

XCZ-PRB-100-COM KIT)

NOT TO SCALE

NOTE: ALL FITTINGS SHALL BE SCH. 80 ONLY

DRIP VALVE ASSEMBLY



ASSEMBLY SHALL BE A USC APPROVED LEAD FREE DEVICE.

2. THE RP SHALL BE INSTALLED ABOVE GRADE. 3. EITHER VALVE BOXES OR PIPE RISERS MAY BE USED FOR THE 2 BELOW GRADE SHUT OFF

4. MANUAL SHUT OFF VALVE: INLINE BRASS GLOBE OR CURB VALVE SIZED SAME AS MAINLINE. 5. 'CURB STOP' ONLY (COPPER OR BRASS PAINTED) PER WASHOE COUNTY REGIONAL PARKS AND OPEN SPACE DEPARTMENT. INSPECTION BY TMMA BACKFLOW PREVENTION GROUP PERSONNEL REQUIRED BEFORE METER IS SET OR SERVICE IS ACTIVATED.

6. IF INITIAL TEST DONE BY TMMA FIELD PERSONNEL FAILS, RETESTING OF BACKFLOW ASSEMBLY IS REQUIRED WITHIN 7 DAYS AFTER METER IS SET OR SERVICE ACTIVATION. COPY OF TEST RESULTS TO BE FORWARDED TO TMWA BACKFLOW PREVENTION GROUP BY A CERTIFIED ASSEMBLY TESTER WITHIN THAT SAME TIMEFRAME. . MINIMUM DIMENSIONS FOR THE THRUST BLOCK BEARING AREA FOR PIPE 2" AND SMALLER

SHALL BE  $\delta$ " X  $\delta$ " AND 12" IN DEPTH. ALL OTHER SIZES TO BE DETERMINED BY ENGINEER. 8. FOR YEAR-ROUND USE REFER TO 10A-2.

_	DATE	APPENDIX 10A	DRAWING NUMBER
	7/2001	BACKFLOW PREVENTION ASSEMBLIES	10A-3
TRUCKEE MEADOWS WATER	REV	REDUCED PRESSURE PRINCIPLE ASSEMBLY FOR IRRIGATION AND	
•	6/2016	CONSTRUCTION WATER USE - HORIZONTAL	

4 BACKFLOW PREVENTER

NOT TO SCALE

Expires: \_6/30/20

WASHOE COUNTY PARKS

LA No: 585-522-06-18

Designed: LE Drawn: LE Checked: RMH

Date: 8/2/18

Sheet

No. Revision Date

LA No: 585-522-06-18 Designed: LE Drawn: LE

Checked: RWH Date: 8/2/18



. PLAN IS DIAGRAMMATIC ONLY. FINAL LOCATION OF LINES AND HEADS SHALL BE DETERMINED IN THE FIELD AND APPROVED BY THE OWNER'S REPRESENTATIVE. LINES SHALL BE IN A COMMON TRENCH WHEREVER POSSIBLE. THE POINT-OF-CONNECTION SHALL BE AS INDICATED ON THE PLAN.

2. THE CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS AND ENSURE THAT ALL LOCAL CODES ARE MET.

3. THE CONTRACTOR SHALL APPLY AND PAY FOR ALL PERMITS REQUIRED FOR INSTALLATION OF THE IRRIGATION SYSTEM AS DEPICTED ON THESE PLANS.

4. CONTRACTOR SHALL VERIFY AVAILABLE FLOW AND PRESSURE DOWNSTREAM FROM THE POINT-OF-CONNECTION PRIOR TO SYSTEM INSTALLATION. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY IF AVAILABLE FLOW IS LESS THAN REQUIRED TO RUN THE LARGEST ZONE. CONTRACTOR SHALL NOT PROCEED ANY FURTHER WITH INSTALLATION OF THE SYSTEM UNTIL NECESSARY DESIGN REVISIONS HAVE BEEN DETERMINED BY OWNER'S REPRESENTATIVE.

5. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR DIFFERENCES IN DIMENSIONS EXIST THAT MIGHT HAVE BEEN UNKNOWN DURING ENGINEERING. SUCH OBSTRUCTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY AT NO ADDITIONAL COST TO OWNER.

6. ALL SPRINKLER EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.

7. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL SPRINKLER MATERIALS, INCLUDING PIPE, WITH THE LANDSCAPE DRAWINGS TO AVOID INTERFERING WITH THE PLANTING OF TREES, SHRUBS, OR OTHER PLANTINGS.

8. ALL VALVES ARE TO BE LOCATED IN PLANTING AREAS WHEREVER POSSIBLE.

9. ALL ELECTRICAL WIRE FROM CONTROLLER TO VALVES SHALL BE 12 GAUGE UL DIRECT BURIAL OR LARGER AS REQUIRED BY LENGTH PER MANUFACTURER'S

IO. BACKFILL FOR TRENCHING SHALL BE COMPACTED TO A DRY DENSITY EQUAL TO THE UNDISTURBED ADJACENT SOIL AND SHALL CONFORM TO ADJACENT GRADES WITHOUT DIPS, HUMPS, OR OTHER IRREGULARITIES.

II. A MINIMUM OF TWO WORKING DAYS PRIOR TO PERFORMING ANY DIGGING, CALL UNDERGROUND SERVICE ALERT AT 1-800-227-2600 FOR INFORMATION ON THE LOCATION OF NATURAL GAS LINES, ELECTRICAL CABLES, TELEPHONE CABLES, ETC.

12. CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.

13. INSTALL ALL PIPE AND CONTROL WIRES IN LANDSCAPE BEDS AND IN COMMON TRENCHES WHEREVER POSSIBLE.

14. INSTALL ALL PIPE AND CONTROL WIRE, WHICH RUNS UNDER PAVING, WITHIN SCH. 40 PVC SLEEVES 4" DIA. MINIMUM SIZE AS REQUIRED TO ALLOW INSTALLATION WITHOUT BINDING. PROVIDE (I) SLEEVE PER PIPE. NO FITTINGS INSIDE SLEEVES. PROVIDE SEPARATE SLEEVES FOR CONTROL WIRE.

15. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE FOR COMPLETE DRAINAGE OF THE MAINLINES BY INSTALLING MANUAL DRAINS AS INDICATED ON PLAN AND AT ALL SYSTEM LOW POINTS.

16. PIPING SHALL BE COMPLETELY FLUSHED OF FOREIGN PARTICLES BEFORE ATTACHING IRRIGATION COMPONENTS AND DRAIN VALVES.

17. AFTER FLUSHING, AND WHEN ALL VALVES AND QUICK COUPLERS ARE IN PLACE, ALL MAIN SUPPLY LINES SHALL BE TESTED AT 100 POUNDS PER SQUARE INCH (100 PSI) WITH VALVES CLOSED. MAINTAIN PRESSURE FOR A PERIOD OF NOT LESS THAN (4) CONSECUTIVE HOURS. ALL JOINTS SHOWING LEAKS SHALL BE CLEANED,

18. AFTER FLUSHING, LATERAL PIPES SHALL BE TESTED WITH RISERS CAPPED AND DRAIN VALVES CLOSED. THE TEST SHALL BE MADE AT MAXIMUM OPERATING PRESSURE FOR A PERIOD OF NOT LESS THAN (1) HOUR. ALL JOINTS SHOWING LEAKS SHALL BE CLEANED, REMADE, AND TESTED. ALL TESTING SHALL BE DONE IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE PRIOR TO BACKFILLING OVER PIPING.

19. OPERATIONAL TESTING: PERFORM OPERATIONAL TESTING AFTER HYDROSTATIC TESTING IS COMPLETED. DEMONSTRATE TO THE OWNER'S REPRESENTATIVE THAT THE SYSTEM MEETS COVERAGE REQUIREMENTS (100%) AND THAT AUTOMATIC CONTROLS FUNCTION PROPERLY.

20. AFTER COMPLETION OF GRADING AND SOD PLACEMENT, CAREFULLY ADJUST SPRINKLER HEADS TO MEET HEIGHT INDICATED ON DRAWINGS.

21. MATERIALS LIST: WITHIN (15) DAYS AFTER AWARD OF CONTRACT, SUBMIT TO OWNER'S REPRESENTATIVE (3) COPIES OF A COMPLETE MATERIAL LIST (PARTIAL LIST NOT ACCEPTABLE) OF ALL MATERIALS TO BE USED ON THE PROJECT, SPECIFYING MANUFACTURER, GRADE, TRADE NAME, CATALOG NUMBER, SIZE, ETC. THIS SHALL IN NO WAY BE CONSTRUED AS ALLOWING A SUBSTITUTION FOR ANY ITEM SPECIFIED ON THE PLANS. EQUIPMENT OR MATERIALS INSTALLED OR FURNISHED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE MAY BE REJECTED AND THE CONTRACTOR REQUIRED TO REMOVE THE MATERIALS AT HIS OWN EXPENSE.

INSTALLATION AND PERFORMANCE OF APPROVED SUBSTITUTIONS ARE THE CONTRACTORS RESPONSIBILITY. ANY CHANGES REQUIRED FOR INSTALLATION OF ANY

22. PRIOR TO SYSTEM INSTALLATION CONTRACTOR SHALL VERIFY AND SUBMIT TO OWNER'S REPRESENTATIVE IN WRITING, AVAILABLE FLOW AND PRESSURE AT POINT-OF-CONNECTION AS DESCRIBED IN SPECIFICATION #4 ABOVE.

23. COMPLETE WARRANTY CARDS FOR AUTOMATIC CONTROLLER AND OTHER IRRIGATION MATERIAL (CONTROLLER KEYS, ETC.) SHALL BE DELIVERED TO OWNER.

24. CONTRACTOR SHALL PREPARE AND ISSUE TO THE OWNER (AT COMPLETION OF THE INSTALLATION) AN ANNUAL CHART INDICATING LOCATION, OPERATING DATES, CYCLES, AND TIME FOR EACH ZONE.

25. ASBUILT IRRIGATION DRAWINGS: CONTRACTOR SHALL FURNISH ASBUILTS OF THE COMPLETE IRRIGATION SYSTEM. PROCURE FROM OWNER'S REPRESENTATIVE DIGITAL COPIES OF CONTRACT DRAWINGS. CONSTRUCTION DRAWINGS SHALL BE ON THE CONSTRUCTION SITE AT ALL TIMES WHILE THE IRRIGATION SYSTEM IS BEING INSTALLED. CONTRACTOR SHALL MAKE A DAILY RECORD OF ALL WORK INSTALLED DURING EACH DAY. ACTUAL LOCATION OF VALVES AND ALL IRRIGATION AND DRAINAGE PIPING SHALL BE SHOWN ON THE PRINTS BY DIMENSIONS FROM EASILY IDENTIFIED PERMANENT FEATURES, SUCH AS BUILDINGS, CURBS, FENCES, WALKS OR PROPERTY LINES. DRAWINGS SHALL SHOW APPROVED MANUFACTURER'S NAME AND CATALOG NUMBER. THE DRAWINGS SHALL BE TO SCALE AND ALL INDICATIONS SHALL BE NEAT. ALL INFORMATION NOTED ON THE PRINT SHALL BE TRANSFERRED TO THE COPIES BY CONTRACTOR AND ALL INDICATIONS SHALL BE RECORDED IN

A NEAT, ORDERLY WAY. THE RECORD COPIES SHALL BE TURNED OVER TO THE OWNER'S REPRESENTATIVE AT OR BEFORE FINAL ACCEPTANCE/APPROVAL OF THE

## GUARANTEE/FINAL ACCEPTANCE

26. CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE THE IRRIGATION SYSTEM FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. MANUFACTURER WARRANTIES SHALL ONLY EXCEED THIS GUARANTEE AND CONTRACTOR SHALL BE LIABLE FOR REPAIRS/REPLACEMENT OF FAILED MATERIAL/WORKMANSHIP.

## MAINTENANCE

27. AFTER SYSTEM IS INSTALLED AND APPROVED, INSTRUCT OWNER'S DESIGNATED PERSONNEL IN COMPLETE OPERATION AND MAINTENANCE PROCEDURES. DRAIN ENTIRE SYSTEM AT END OF FIRST WATERING SEASON FOLLOWING INSTALLATION. TRAIN OWNER'S DESIGNATED PERSONNEL BY HAVING THEM ASSIST IN WINTERIZING

2 ROTOR POP-UP SPRINKLER NOT TO SCALE

ROTOR HEAD PER PLAN KEEP HEAD A

-MINIMUM OF 2" AWAY FROM SIDEWALKS &

ROTOR POP-UP SPRINKLER: PER

AWAY FROM SIDEWALKS/CURBS.

PVC SCH 80 NIPPLE

- PVC STREET ELL

PVC SCH 80 NIPPLE

PVC SCH 40 ELL TXT

(LENGTH AS REQUIRED)

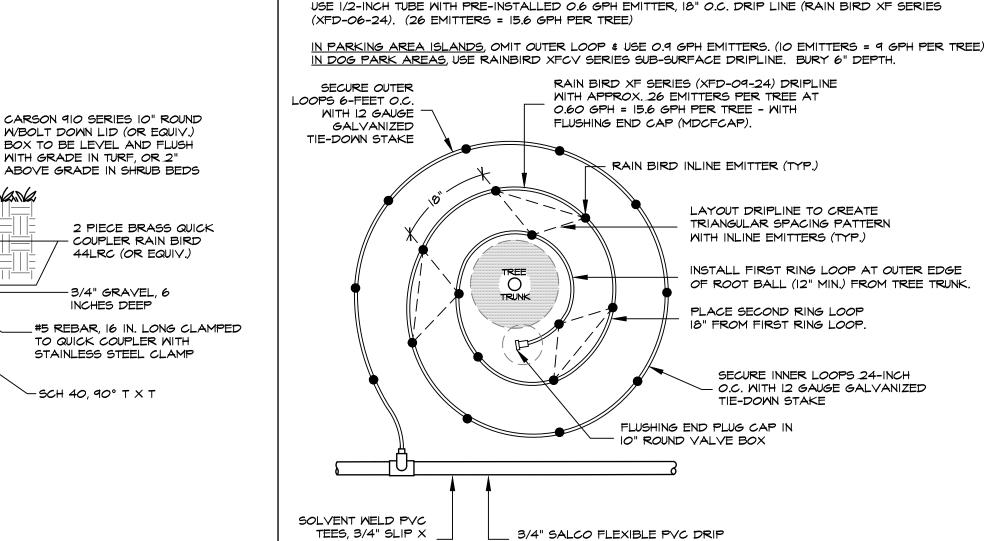
(LENGTH AS REQUIRED)

90° MARLEX STREET ELL

- PVC SCH 40 TEE OR ELL

PVC LATERAL PIPE

PLAN KEEP HEAD A MINIMUM OF 2"



I" DIAMETER

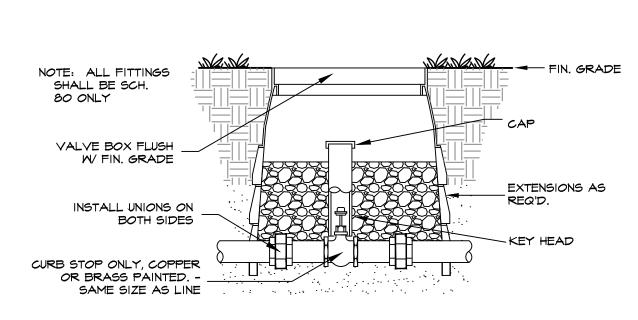
SMING JOINT

USE TWO FULL TURNS OF

TEFLON TAPE ON ALL

THREADED JOINTS





-RAIN BIRD BARB X BARB EMITTER. (GALLONAGE AS SPECIFIED)

DISTRIBUTION TUBING-PEPCO

INSERT NO BARBED CONNECTORS

PVC TEES AT INDIVIDUAL PLANTS.

4 FEET

GREATER

INSERT NO BARBED

FLEXIBLE PVC LINES. USE PVC TEES AT

DRIP EMITTERS

EVENLY AROUND

BOX TO BE LEVEL AND FLUSH WITH GRADE IN TURF, OR 2"

44LRC (OR EQUIV.)

-3/4" GRAVEL, 6

INCHES DEEP

TO QUICK COUPLER WITH

STAINLESS STEEL CLAMP

— SCH 40, 90° T X T

DISTRIBUTED

ROOT BALL

(TYPICAL).

- PEPCO 1/4" DISTRIBUTION

TUBING, TYP.

INDIVIDUAL PLANTS

CONNECTORS INTO

INTO FLEXABLE PVC LINES, USE

— FLEXIBLE 1/4" *OR* 3/16"

USE CONNECTORS

∕-5 GAL. PLANT

MATERIAL OR SMALLER

ROOT BALL

3.) USE CONNECTORS SPECIFICED BY MANUFACTURE FOR ALL 1/2" DRIP DISTRIBUTION TUBING.

INDENDER .

I.) AT TREE PLANTINGS EXTEND TUBING FOR ADEQUATE LENGTH TO ADJUST LOCATIONS OF EMITTERS IN FUTURE.

4.) PROVIDE ADEQUATE ANCHORS FOR DRIP TUBING TO MAINTAIN EMITTER LOCATION IN RELATION TO PLANTS,

2.) 150 FEET OR 200 GPH MAXIMUM FOR 1/2" DISTRIBUTION TUBING FROM ANY ONE CONNECTION AT FLEXIBLE PVC.

SPECIFIED BY

MANUFACTURER

FLUSHING END CAP IN ROUND

ADEQUATE ANCHORS

FOR DRIP TURBE TO

REALATION TO PLANTS,

MAINTAIN EMITTER

8-FEET ON CENTER

LOCATION IN

50-FEET OR 200 GPH MAXIMUM

FOR 1/2-INCH DISTRIBUTION TUBE

FLUSHING END PLUG

PEPCO \$ 10" DIA.

ROUND

FLEXIBLE PVC

MAINLINE. SEE

SPECS.

3/4" OR 1" SALCO

NOT TO SCALE

VALVE BOX.

FROM ANY ONE CONNECTION AT

FLEXIBLE PVC DRIP MAIN LINE

IO" VALVE BOX

FINISHED GRADE -

MAINLINE

1/4-INCH DISTRIBUTUION

3-FEET LENGTH MAXIMUM.

2 EMITTERS @ I GPH EA.

FLUSHING END CAP-

PER SPECIFICATIONS.

PVC TEES, 3/4" X 1/2"

8 FT ON CENTER MAXIMUM.

USE TWO FULL TURNS OF

TEFLON TAPE ON ALL

THREADED JOINTS

I" PVC SCH. 80 NIPPLE -

(2) 90° MARLEX ELL -

I" PVC SCH 80 NIPPLE -

MAIN LINE PVC SCH ---

MINIMUM DEPTH

40 OR AS SPECIFIED

ON PLANS AT 24"

SOLVENT WELD

TUBE CONNECTED WITH

TRANSFER BARBS

PEPCO 1/2-INCH DRIP DISTRIBUTION

TUBE., SEE SPECIFICATIONS.

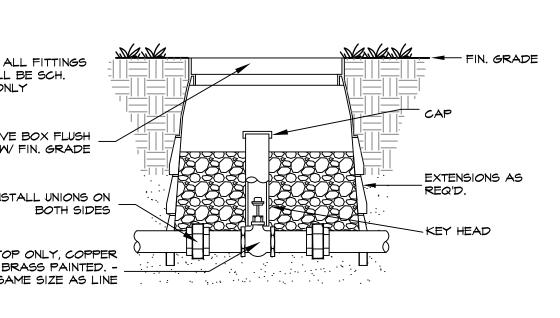
5.) STAKE TUBING IN PLACE AT SURFACE OF EACH EMITTER.

1 DRIP EMITTER LAYOUT SHRUB PLANTS ONLY

6) SEE TREE DRIP EMITTER LAYOUT DETAIL, SHT. L9

4 TREE DRIP EMITTER LAYOUT

1/2-INCH INSERT



**CURB STOP** NOT TO SCALE 

LINE WITH SCH. 80 FITTINGS

IRRIGATION SPECIFICATIONS

Designed: LE Drawn: LE Checked: RWH Date: 8/2/18

Sheet

LA No: 585-522-06-18

1/2" RUBBER HOSE WITH 10 GA. GALV. WIRE INSIDE - LEAVE 2" CLEAR 1/2" RUBBER HOSE WITH 10 GA. GALV. BETWEEN TRUNK & HOSE ON ALL SIDES. WIRE INSIDE - LEAVE 2" CLEAR STAKE TO IMMOBILIZE ROOT BALL. BETWEEN TRUNK & HOSE ON ALL 10 GA. GALV. WIRE - WRAP AROUND SIDES. STAKE TO IMMOBILIZE ROOT STAKE TO SECURE. 6" MIN. VERTICAL CLEAR — 10 GA. GALV. WIRE - WRAP AROUND BETW. GUY PTS. ALONG TRUNK (2) METAL AGRICULTURE "T" POSTS -STAKE TO SECURE. 6" MIN. VERTICAL CLEAR STAKE INTO UNDISTURBED SOIL OUTSIDE ROOT BALL. THE "SPADE" SHOULD BE NO BETW. GUY PTS. ALONG TRUNK (2) METAL AGRICULTURE "T" POSTS -MORE THAN I" BELOW SOIL SURFACE. STAKE INTO UNDISTURBED SOIL OUTSIDE ROOT BALL. THE "SPADE" TURN DOWN TOP 1/3 - 1/2 BURLAP ON 6" DEEP WATERING BASIN -SHOULD BE NO MORE THAN I" BELOW B & B MATERIAL. COMPLETELY FILL WITH 6" SHREDDED SOIL SURFACE. REMOVE WIRE BASKET. BARK KEEP MULCH 4" AWAY TURN DOWN TOP 1/3 - 1/2 BURLAP FROM TRUNK. 6" DEEP WATERING BASIN -ON B & B MATERIAL. COMPLETELY FILL WITH 6" SHREDDED -REMOVE WIRE BASKET. TULCH 4" AWAY FROM TRUNK. BARK KEEP MULCH 4" AWAY SCARIFY EDGES OF PLANT HOLE -SCARIFY EDGES OF PLANT HOLE -HOLE DEPTH TO BE SAME AS DEPTH BACKFILL W/ NATIVE SOIL - HOLE DEPTH TO BE SAME AS DEPTH OF ORIGINAL PLANT CONTAINER. FILL SCREENED FREE OF ROCKS, -OF ORIGINAL PLANT CONTAINER. HOLE WITH WATER PRIOR TO PLANTING CLODS & DEBRIS GREATER BACKFILL W/NATIVE SOIL FILL HOLE WITH WATER PRIOR TO TO CHECK FOR PROPER DRAINAGE. IF THAN 1/2" DIAMETER. WATER SCREENED FREE OF ROCKS, PLANTING TO CHECK FOR PROPER

CLODS & DEBRIS GREATER

NURSERY QUALITY STANDARDS.

LEVEL IN THE PLANT CONTAINER.

SETTLE BACKFILL.

6. ORIENT GRAFT UNION TO FACE NORTH.

2 EVERGREEN TREE PLANTING

5. THOROUGHLY WATER IMMEDIATELY AFTER PLANTING.

THAN 1/2" DIAMETER. WATER

WATER DOESN'T DRAIN COMPLETLY

OVER-NIGHT THEN PERCOLATION IS

NOT PROPER.

. REMOVE ALL NURSERY STAKES, TIES & TAGS - TREES MUST STAND UPRIGHT TO BE ACCEPTABLE. SEE NURSERY STOCK QUALITY STANDARDS.

MIN. 2 TIMES

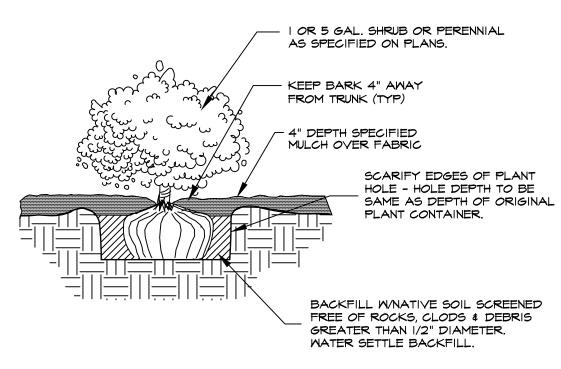
ROOTBALL DIA.

- 2. REMOVE DAMAGED BRANCHES DO NOT REMOVE CENTRAL LEADER OR ANY LOWER BRANCHES. 3. TOP OF ROOT BALL\* TO BE I" ABOVE EXISTING GRADE - NO NATIVE SOIL TO BE PLACED ON TOP OF ROOT BALL.
- 4. GRADE MATERING BASIN SUCH THAT MATER COLLECTS AT EDGE OF ROOT BALL, NOT AT TRUNK. 5. THOROUGHLY WATER <u>IMMEDIATELY</u> AFTER PLANTING. 6. ORIENT GRAFT UNION TO FACE NORTH.
- \* TOP OF ROOT BALL IS DEFINED AS THE LOCATION OF THE UPPERMOST LATERAL ROOT <u>NOT</u> THE SOIL LEVEL IN THE PLANT CONTAINER.

## DECIDUOUS TREE PLANTING

3 SHRUB PLANTING

SETTLE BACKFILL.



- . WATER PLANT WELL IMMEDIATELY AFTER PLANTING. 2. REMOVE DAMAGED BRANCHES ONLY - DO NOT REMOVE CENTRAL
- LEADER OR ANY LOWER BRANCHES. 3. TOP OF ROOT BALL TO BE I" ABOVE EXISTING GRADE - NO NATIVE SOIL TO BE PLACED ON TOP OF ROOT BALL 4. GRADE WATERING BASIN SUCH THAT WATER COLLECTS AT EDGE
- OF ROOT BALL, NOT AT STEM. 5. ALL PLANT MATERIAL TO BE INSPECTED PRIOR TO PLANTING.

## BURY ALL BOULDERS ABOUT 1/3 OF THE BOULDERS HEIGHT. LANDSCAPE BOULDERS - BOULDER LOCATIONS ON PLAN ARE CONCEPTUAL. BOULDERS HALL BE FIELD PLACED RANDOMLY THROUGHOUT THE LANDSCAPE WITH FINAL LOCATIONS SUBJECT TO OWNER APPROVAL. BOULDERS SHALL HAVE NATURAL EARTHTONE (BROMN/TAN/GRAY) COLOR. SIZES SHALL VARY WITH A MINIMUM SIZE OF 24" MIN. DIAMETER.

NOT MORE THAN 35% OF THE BOULDERS SHALL BE MINIMUM SIZE.

WMIN. 2 TIMES

ROOTBALL DIA.

. REMOVE ALL NURSERY STAKES, TIES & TAGS - TREES MUST STAND UPRIGHT TO BE ACCEPTABLE. SEE

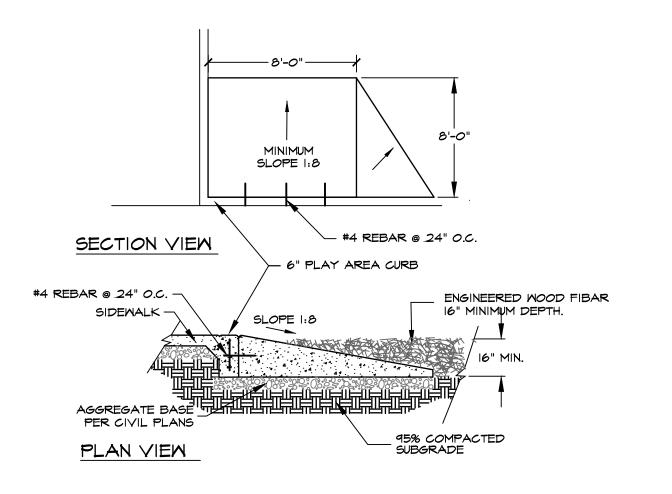
3. TOP OF ROOT BALL\* TO BE I" ABOVE EXISTING GRADE - NO NATIVE SOIL TO BE PLACED ON TOP OF

\* TOP OF ROOT BALL IS DEFINED AS THE LOCATION OF THE UPPERMOST LATERAL ROOT NOT THE SOIL

2. REMOVE DAMAGED BRANCHES - DO NOT REMOVE CENTRAL LEADER OR ANY LOWER BRANCHES.

4. GRADE WATERING BASIN SUCH THAT WATER COLLECTS AT EDGE OF ROOT BALL, NOT AT TRUNK.

## NOT TO SCALE



4 LANDSCAPE BOULDER

NOT TO SCALE

FINISHED GRADE

DRAINAGE. IF WATER DOESN'T

DRAIN COMPLETLY OVER-NIGHT

THEN PERCOLATION IS NOT PROPER.

WOOD FIBER 'FIBAR' WOOD FIBER LANDSCAPE FABRIC DEPTH OF FIBER LANDSCAPE FABRIC TO BE "DE WITT' PRO-5 PROVIDE WOOD FIBER TO A MINIMUM EXTEND FABRIC 12-INCHES (MIN.) BEYOND COMPACTED DEPTH OF 12-INCHES DRAIN PIT (BOTH SIDES - TYP.). SECURE PER MFGS. SPECFICATIONS WITH 8-INCH STAPLES @ 12-INCHES O.C. 4-INCHES FROM ALL EDGES COMPACTED SUBGRADE ' (ALL SIDES -DRAIN ROCK FILL WITH DRAIN ROCK EXTEND DEPTH AS NEEDED TO REACH GRAVELLY, WELL-DRAINED SOIL.

AT ARCH SWING AREA ONLY

## PLAY AREA SUMP DRAIN

LANDSCAPE SPECIFICATIONS

I. PLAN IS DIAGRAMMATIC ONLY. ALL LOCAL GOVERNING CODES SHALL BE MET. EXACT LOCATION OF TREES AND SHRUBS SHALL BE DETERMINED IN THE FIELD (INSTALL AS PER DETAILS) AND APPROVED BY THE OWNER'S REPRESENTATIVE.

2. A MINIMUM OF TWO WORKING DAYS BEFORE PERFORMING ANY DIGGING, CALL UNDERGROUND SERVICE ALERT FOR INFORMATION ON THE LOCATION OF NATURAL GAS LINES, ELECTRIC CABLES, TELEPHONE CABLES, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION AND PROTECTION OF ALL UTILITIES, AND REPAIR OF ANY DAMAGE RESULTING FROM HIS WORK AT NO ADDITIONAL COST TO THE

3. DAMAGES: CONTRACTOR SHALL PROMPTLY REPAIR ALL DAMAGES TO EXISTING SITE AT NO COST TO OWNER.

4. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES (I.E., PAVING, PLUMBING, ELECTRICAL, ETC.)

5. THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION AND TO NOTIFY THE OWNER'S REPRESENTATIVE SHOULD CONDITIONS EXIST WHICH PREVENT CONSTRUCTION AS PER THESE PLANS. COMMENCEMENT OF WORK SHALL CONSTITUTE ACCEPTANCE OF CONDITIONS AND RESPONSIBILITY FOR CORRECTIONS.

6. CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR ASSUMES SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS AND CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD HARMLESS THE OWNER FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THE PROJECT.

## 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH GRADING THROUGHOUT ALL LANDSCAPE AREAS SUCH THAT THERE ARE NO HUMPS OR DEPRESSIONS AND POSITIVE DRAINAGE OCCURS THROUGHOUT.

8. THE CONTRACTOR SHALL PROVIDE SOIL TEST RESULTS FOR EXISTING SITE SOIL INCLUDING: TEXTURE CLASSIFICATION, PH, NITROGEN, POTASSIUM, PHOSPHORUS, SODIUM HAZARD, SALINITY HAZARD, AND FERTILIZATION RECOMMENDATION FOR THE INTENDED USE. CONTRACTOR SHALL FOLLOW RECOMMENDATIONS OF SOIL TEST.

9. INSTALL ALL PLANT MATERIALS AS PER DETAILS AND SOIL AND PLANT LAB REPORT. INFORMATION IN SOILS AND PLANT LAB REPORT SHALL PREVAIL OVER NOTES AND DETAILS.

IO. SOIL AMENDMENT SHALL BE HUMUS COMPOSED OF TOPSOIL, CEDAR BARK HUMUS, AND COMPOST. SUBMIT TO OWNER'S REPRESENTATIVE FOR APPROVAL.

II. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANT MATERIAL PER SYMBOLS AND SPACING INDICATED ON PLAN. SYMBOLS PREVAIL OVER NUMBERS ON PLANT LIST. NO SUBSTITUTIONS WILL BE ACCEPTED WITHOUT EXPRESSED WRITTEN CONSENT OF THE OWNER'S REPRESENTATIVE. SEE SUBMITTALS.

12. ALL PLANTS NOT MEETING OR EXCEEDING REQUIREMENTS AND RECOMMENDATIONS OF THE LATEST EDITION OF THE ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN SHALL BE REJECTED. CONTRACTOR SHALL RECEIVE ON-SITE APPROVAL OF PLANT MATERIAL BY OWNER'S REPRESENTATIVE PRIOR TO PLANTING. FAILURE TO RECEIVE PRIOR APPROVAL MAY RESULT IN REJECTION OF PLANT MATERIAL FOLLOWING INSTALLATION. THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO INSPECT AND EVALUATE PLANT MATERIAL THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PERIOD.

13. ALL PLANTING BEDS SHALL RECEIVE FOUR-INCH DEPTH OF FOLLOWING: -FRACTURED ROCK - INSTALL 4" MIN. DEPTH OF 2"-3" FRACTURED "FROCK" ROCK OVER LANDSCAPE FABRIC. ·<u>LANDSCAPE FABRIC</u> - 'DEWITT' PRO-5 WEED BARRIER (OAE), INSTALL IN ACCORDANCE WITH MFG'S SPECIFICATIONS -<u>FIBAR -</u> ENGINEERED WOOD FIBER PLAYGROUND MULCH. INSTALL 16" DEPTH AND SEE MANUFACTURERS SPECIFICATION FOR INSTALLATION AND COMPACTION. 

14. LOOSEN SUBGRADE OF LAWN AREAS TO A MINIMUM DEPTH OF 6 INCHES. REMOVE STONES MEASURING OVER 1 INCH IN ANY DIMENSION. REMOVE STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER. LIMIT PREPARATION TO AREAS WHICH WILL BE PLANTED PROMPTLY AFTER PREPARATION.

15. SPREAD MINIMUM 6 CY SOIL AMENDMENT (GROUND CEDAR BARK BASED PRODUCT, 1/4" MAXIMUM PARTICLE SIZE, NITROGEN STABILIZED) PER 1,000 SF OVER AREA TO BE PLANTED. PLACE APPROXIMATELY 1/2 OF TOTAL AMOUNT OF SOIL AMENDMENT REQUIRED. WORK INTO TOP OF LOOSENED SUBGRADE BY ROTOTILLING TO CREATE A TRANSITION LAYER AND THEN PLACE REMAINDER OF SOIL

16. FINE GRADE LAWN AREAS TO SMOOTH, EVEN SURFACE WITH LOOSE, UNIFORMLY FINE TEXTURE. ROLL, RAKE, AND DRAG LAWN AREAS, REMOVE RIDGES AND FILL DEPRESSIONS AS REQUIRED TO MEET FINISH GRADES. LIMIT FINE GRADING TO AREAS WHICH WILL BE PLANTED IMMEDIATELY AFTER GRADING. FINISH GRADES SHALL BE AS NEEDED BELOW PAVEMENT EDGES TO ALLOW FOR SOD PLACEMENT. 17. MOISTEN PREPARED LAWN AREAS BEFORE PLANTING IF SOIL IS DRY. WATER THOROUGHLY AND ALLOW SURFACE MOISTURE TO DRY BEFORE PLANTING LAWNS. DO NOT CREATE A MUDDY SOIL CONDITION.

18. LAY SOD PIECES TIGHTLY TOGETHER WITH NO GAPS BETWEEN PIECES. STAGGER PIECES SUCH THAT SEAMS ALTERNATE EVERY OTHER ROW.

19. IRRIGATE AND ROLL ENTIRE SOD AREA WITH 200 LB (MIN.) ROLLER SUCH THAT THE FINISH SOD LAWN IS FREE OF HUMPS AND DEPRESSIONS.

20. REPAIR ANY DAMAGE FROM OTHER CONSTRUCTION ACTIVITIES AND REPLACE ANY PIECES WHICH DO NOT ROOT AND GROW, SUCH THAT THERE ARE NO BARE SPOTS THROUGHOUT SOD LAWN. INSPECTIONS/APPROVALS/SUBMITTALS

21. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING OWNER'S REPRESENTATIVE, A MINIMUM OF 48 HOURS IN ADVANCE, FOR THE FOLLOWING SITE OBSERVATIONS AND/OR MEETINGS:

PRECONSTRUCTION MEETING WITH ALL PARTIES

B. PLANT MATERIAL ON SITE, PRIOR TO INSTALLATION PLANT LOCATIONS STAKED OUT, PRIOR TO PLANTING

D. OPEN TRENCH, MAINLINE (WITH VALVES ATTACHED) PRESSURE TEST

F. FINAL PROJECT WALK-THROUGH

G. ADDITIONAL SITE OBSERVATIONS AS DEEMED NECESSARY BY THE OWNER'S REPRESENTATIVE AND/OR CONTRACTOR.

22. SUBMIT AMENDMENT AND MULCH SAMPLES TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION. FAILURE TO COMPLY MAY RESULT IN REJECTION OF MULCH OR AMENDMENT PRIOR TO

23. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROVIDE PLANT MATERIAL AS SPECIFIED ON THIS PLAN. THE CONTRACTOR MAY SUBMIT A REQUEST TO PROVIDE SUBSTITUTIONS FOR THE SPECIFIED PLANT MATERIAL UNDER THE FOLLOWING CONDITIONS:

A. ANY SUBSTITUTIONS PROPOSED SHALL BE SUBMITTED TO THE PROJECT OWNER'S REPRESENTATIVE WITHIN TWO WEEKS OF THE AWARD OF CONTRACT. SUBSTITUTIONS MUST MEET EQUIVALENT DESIGN AND FUNCTIONAL GOALS OF THE ORIGINAL MATERIALS AS DETERMINED BY THE OWNER'S REPRESENTATIVE. ANY CHANGES MUST HAVE THE APPROVAL OF THE OWNER'S REPRESENTATIVE. B. THE REQUEST WILL BE ACCOMPANIED BY AT LEAST THREE NOTICES FROM PLANT MATERIAL SUPPLIERS THAT THE PLANT MATERIAL SPECIFIED IS NOT AVAILABLE AND WILL NOT BE AVAILABLE PRIOR TO CONSTRUCTION.

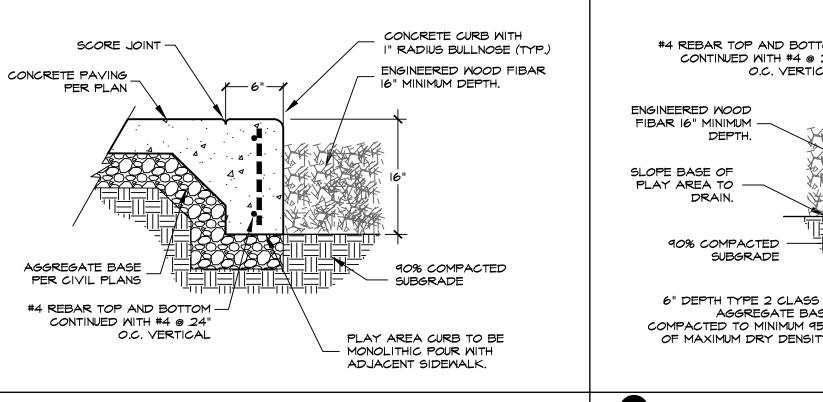
24. SUBMIT REQUIRED SOIL REPORT, AND SAMPLE OF PROPOSED SOIL AMENDMENTS TO OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

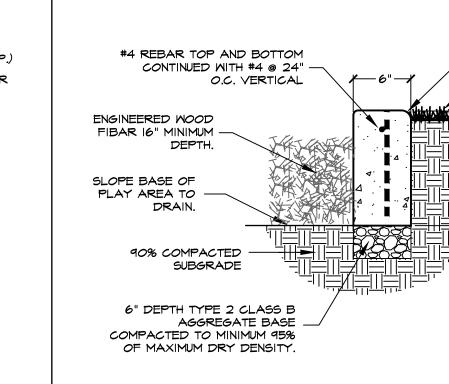
25. RECORD (AS-BUILT) DRAWINGS: FOLLOWING COMPLETION OF PROJECT INSTALLATION, AND PRIOR TO FINAL APPROVAL, CONTRACTOR SHALL PREPARE AND SUBMIT RECORD DRAWINGS DEPICTING A COMPLETE LANDSCAPE AND IRRIGATION INSTALLATION. PROCURE FROM OWNER FULL-SIZE SEPIAS OF CONTRACT DRAWINGS. CONSTRUCTION DRAWINGS SHALL BE ON THE PROJECT SITE AT ALL TIMES DURING INSTALLATION. CONTRACTOR SHALL MAKE A DAILY RECORD OF ALL WORK INSTALLED DURING EACH DAY. ACTUAL LOCATION OF TREES AND SHRUB BEDS, IRRIGATION VALVES, AND ALL IRRIGATION AND DRAINAGE PIPING SHALL BE SHOWN ON THE PRINTS BY DIMENSIONS FROM EASILY IDENTIFIED PERMANENT FEATURES, SUCH AS BUILDING, CURBS, FENCES, WALKS, OR PROPERTY LINES. DRAWINGS SHALL SHOW MANUFACTURER'S NAME AND CATALOG NUMBER. THE DRAWINGS SHALL BE TO SCALE. ALL INFORMATION NOTED ON THE PRINT SHALL BE TRANSFERRED TO THE COPIES BY CONTRACTOR AND ALL INDICATIONS SHALL BE RECORDED IN A NEAT, ORDERLY WAY. THE RECORD SEPIA SHALL BE TURNED OVER TO THE OWNER'S REPRESENTATIVE.

## GUARANTEES/WARRANTY

26. ALL PLANTED AREAS SHALL BE MAINTAINED FOR A PERIOD OF SIXTY DAYS FOLLOWING WRITTEN ACCEPTANCE BY OWNER'S REPRESENTATIVE. LANDSCAPE CONTRACTOR WILL GUARANTEE ALL PLANT MATERIAL (INCLUDING BUT NOT LIMITED TO TREES, SHRUBS, GROUNDCOVER, AND GRASSES) FOR A PERIOD OF ONE FULL YEAR FOLLOWING FINAL ACCEPTANCE OF THE LANDSCAPE INSTALLATION BY THE OMNER'S AUTHORIZED REPRESENTATIVE. IN BIDDING AND INSTALLING THE PLANT MATERIAL SPECIFIED ON THESE PLANS, THE LANDSCAPE CONTRACTOR AGREES THAT THE PLANT MATERIAL SPECIFIED IS SUITABLE TO THE PROJECT SITE. FURTHERMORE, THE LANDSCAPE CONTRACTOR AGREES TO HONOR THE WARRANTY AND, IF NECESSARY, REPLACE SPECIES WITH A MORE HARDY PLANT TYPE IF DEEMED NECESSARY DUE TO EXCESSIVE DIE OUT. IF THE LANDSCAPE CONTRACTOR DOES NOT BELIEVE CERTAIN PLANT MATERIAL IS SUITABLE FOR THE SITE AND/OR ITS MICRO-CLIMATES, THE LANDSCAPE CONTRACTOR SHALL REQUEST TO MAKE PLANT MATERIAL SUBSTITUTIONS IN WRITING TO THE LANDSCAPE ARCHITECT PRIOR TO THE START OF INSTALLATION. PROPOSED SUBSTITUTIONS WILL RESULT IN NO

## LANDSCAPE SPECIFICATIONS





PROVIDE EXPANSION JOINTS 30' O.C. MAX. WEAKENED PLANE JOINTS AT 5' OC. MAX. 2.) CONCRETE REINFORCEMENT SHALL CONSIST OF COLLATED, FIBRILLATED MANUFACTURED BY FIBERMESH OAE.

3.) ADD 1-½ LBS. FIBERMESH PER CUBIC YARD OF CONCRETE. 4.) CONSTRUCTION PERSONNEL SHALL NOT DRIVE VEHICLES OF ANY SIZE OR TYPE OVER CONCRETE HAS ACHIEVED THE REQUIRED 28 DAYS DESIGN STRENGTH. THE CONTRACTOR SHALL PROTECT

CONCRETE CURB WITH

I" RADIUS BULLNOSE (TYP.)

FINISH GRADE

CONCRETE UNTIL THAT TIME. 5.) SUBGRADE, PER CIVIL PLANS (OR IN CONFORMANCE WITH GEOTECHNICAL REPORTS RECOMMENDATIONS. LA Studio No. 020-505-09-17

POLYPROPYLENE FIBERS AS

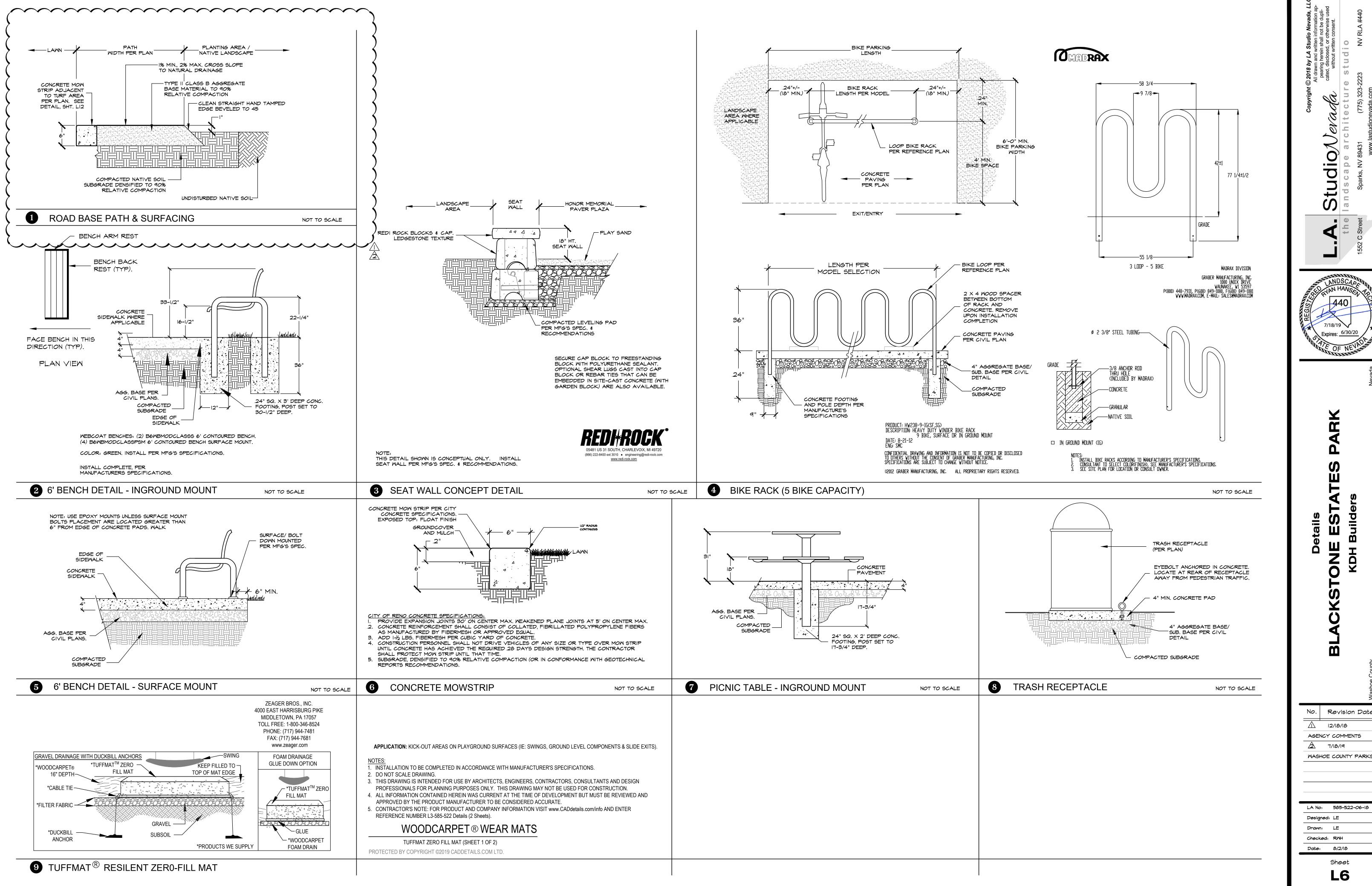
6 PLAY AREA ACCESS RAMP

NOT TO SCALE

PLAY AREA/ SIDEWALK/ THICKENED EDGE

PLAY AREA CONCRETE CURB

NOT TO SCALE



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Revision Date <u>/\\</u> 12/18/18 AGENCY COMMENTS

WASHOE COUNTY PARKS

Designed: LE Drawn: LE Checked: RWH Date: 8/2/18

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