Future Park - Phase 2 Project

Antelope Hills

Bennett, Colorado

VICINITY MAP

OWNER:

TOWN OF BENNETT
PUBLIC WORKS
365 PALMER AVE.
BENNETT, CO 80102
DAYMON JOHNSON — 303-644-3249 (tele), 303-644-5185 (fax), djohnson@bennett.co.us

ROBIN PRICE — rprice@bennett.co.us

LANDSCAPE ARCHITECT:

SUNLIT DESIGNS, LLC
6644 WADSWORTH BLVD., SUITE #4
ARVADA, CO 80004
303-404-3850 (tele)
bkehr@sunlitdesigns.com

PROJECT TEAM

COVER SHEET

L-0 COVER SHEET

SITE PLANS AND DETAILS

L-1 SITE PLAN
L-2 LAYOUT PLAN
L-3 LANDSCAPE PLAN
L-4 LANDSCAPE DETAILS
L-5 IRRIGATION PLAN
L-6 IRRIGATION DETAILS
L-7 IRRIGATION DETAILS

SHEET INDEX

The Owner, Site Developer, Contractor and/or their authorized agents shall ensure that all potential pollutants generated during demolition or construction work associated with this Project, be prevented from discharge to streams, wetlands or any water body in the vicinity of this Project Site in accordance with the following:

1. The Owner, Site Developer, Contractor and/or their authorized agents shall prevent sediment, debris and all other pollutants from entering the waterway during all demolition, excavation, trenching, boring, grading, or other construction operations that are part of this Project. The Owner, Site Developer, Contractor and/or their authorized agents shall be held responsible for remediation of any adverse impacts to the Municipal Separate Storm Sewer System, receiving waters, waterways, wetlands, and or other public or private properties, resulting from work done as part of this Project.

2. The Owner, Site Developer, Contractor and/or their authorized agents shall remove all sediment, mud, construction debris, or other potential pollutants that may have been discharged to or, accumulate in the flow lines of storm drainage appurtenances, and public rights of ways

3. The Owner, Site Developer, Contractor and/or their authorized agents shall insure that all loads of cut and fill material imported to or exported from this site shall be properly covered to prevent loss of the material during transport on public rights of way.

4. The use of rebar to anchor best management practices, other than portable toilets, is prohibited.

5. The Owner, Site Developer, Contractor and/or their authorized agents shall implement the following Best Management Practices (BMPs) on site during construction:

5.1. VEHICLE TRACKING CONTROL: This BMP is required at all access points for ingress/egress from off-site impervious surfaces to construction site pervious areas that are used by vehicular traffic or construction equipment.

5.2. INLET PROTECTION: This BMP is required on all existing or proposed storm sewer inlets in the vicinity of the construction site that may receive site runoff. The BMP must be appropriate to the type of storm inlet and appropriate for the ground surface at the inlet.

5.3. INTERIM SITE STABILIZATION: This BMP is required to provide a measure for preventing the discharge of sediment from construction sites where overlot grading or other site disturbance has occurred. This BMP is particularly necessary on sites where construction activities/disturbance will be limited to small areas of the Project site. Acceptable BMPs include:

5.3.1. Preserving existing vegetation
5.3.2. Seeding and planting
5.3.3. Mulching
5.3.4. Mulching and seeding
5.3.5. Temporary/Permanent re-vegetation operations
5.3.6. Chemical soil stabilizer application (requires WMD approval)

5.4. WASTE MANAGEMENT/CONTAINMENT: This BMP requires that all construction wastes, fuels, lubricants, chemical wastes, trash, sanitary wastes, contaminated soils or debris shall be contained on site, protected from contact with precipitation or surface runoff, periodically removed from the construction site, and properly disposed of.

5.5. SPILL PREVENTION /CONTAINMENT: This BMP defines the measures proposed for preventing, controlling, or containing spills of fuel, lubricants, or other pollutants; and protecting potential pollutants from contact with precipitation or runoff.

5.6. CHUTE WASHOUT CONTAINMENT: Water used in the cleaning of cement truck delivery chutes shall be discharged into a predefined, bermed containment area on the job site. The required containment area is to be bermed so that wash water is totally contained. Wash water discharged into the containment area shall be allowed to infiltrate or evaporate. Dried cement waste is removed from the containment area and properly disposed of.

5.6.1. The direct or indirect discharge of water containing waste cement to the storm sewer system is prohibited

5.7. SWEEPING: This BMP requires that impervious surfaces which are adjacent to or contained within construction sites be swept on a daily basis or as needed during the day when sediment and other materials are tracked or discharged on to them. Either sweeping by hand or use of Street Sweepers is acceptable. Street sweepers using water while sweeping is preferred in order to minimize dust. Flushing off paved surfaces with water is prohibited.

5.8. PERIMETER CONTROL: This BMP requires that a construction site install a perimeter control measure along the edge of the construction Site, to prevent, or filter the discharge of surface runoff from the construction site. The type of perimeter control used shall be determined based on site conditions and location. Maintenance and repair of the control measure shall occur as needed, in a timely manner.

5.9. STOCK PILES: Soils that will be stockpiled for more than thirty (30) days shall be protected from wind and water erosion within fourteen (14) days of stockpile construction. Stabilization of stockpiles located within 100 feet of receiving waters, or with slopes 3 to 1 or greater shall be completed within seven (7) days following stockpile construction. Stabilization and protection of the stockpile may be accomplished by any of the following: Mulching, Temporary/Permanent Revegetation Operations, Chemical Soil Stabilizer Application (requires Denver Public Works approval), or erosion control matting/Geotextiles. If stockpiles are located within 100 feet of receiving waters, a drainageway or the site perimeter, additional sediment controls shall be required.

5.10. SAW CUTTING OPERATIONS: The Contractor shall protect all storm sewer facilities adjacent to any location where pavement cutting operations involving wheel cutting, saw cutting, or abrasive water jet cutting are to take place. The Contractor shall remove and properly dispose of all waste products generated by said cutting operations on a daily basis or as needed throughout the work day. The discharge of any water contaminated by waste products from cutting operations to the storm sewer system is prohibited.

5.11. STRUCTURAL CONTROLS: Development sites that are required to provide detention and water quality enhancement facilities for storm runoff need to install the detention facilities early in the construction build-out of the site. Projects that are using underground detention are required to install a pretreatment structure(s) or sedimentation basin(s) as a means of treating potentially polluted storm water prior to entering the detention structure. Use of these structures is required for entrapping sediment and construction debris during the active construction phase of the project. A narrative section of a Management Plan should address operation and maintenance of the structural controls being used as an active construction BMP.

6. Erosion and sediment control 'Best Management Practices' shall be maintained and kept in effective operating condition for the duration of this Project. All necessary maintenance and repair shall be completed immediately upon discovery of any deficiency or defect.

EROSION CONTROL NOTES

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Future Park Phase Two
Outlot F, Antelope Hills Sub-Division
Bennett, Colorado

DATE:
01-06-2020

REVISIONS:

SHEET CONTENTS:
COVER SHEET
EROSION CONTROL NOTES

SHEET NUMBER:
L-0

Antelope Hills Boulevard

asphalt

EXISTING FENCE

PROTECT EX. EVERGREEN TREES

group of trees

fence

1.8%

RE-GRADE AS NECESARY FOR POSITIVE DRAINAGE

EXISTING BERM

ADD 6 INCH PVC DRAIN PIPE

DEMO EX. TREES

EXISTING PLAYGROUND

EXISTING PAVILION

LASER GRADE PLAY FIELD

2.25%

1.5%

Outlot F

EX. ELECTRIC PANEL

DEMO EX. TREES

PROTECT EX. EVERGREEN TREES

concrete

STAGING AREA ON EXISTING CRUSHED CONCRETE

ADD 6' WIDE CHIP MULCH TRAIL PER DETAIL

DEMO EX. TREE

ADD DRAINAGE SWALE

DEMO EX. TREE

EXISTING FIRE HYDRANT

N 00°01'14" E 300.09' (Denotes Record Dimension)

N 00°07'16" E 299.75' (Denotes measured dimenmsion)

S 00°01'02" E 129.97'

N 00°01'14" W 129.98'

Antelope Drive West

N 89°45'02" W 179.15'

S 89°58'46" E 238.17'

N 89°58'54" W 59.19'

LEGEND

CHIP MULCH TRAIL, SEE DETAIL L-4, 2

SITE PLAN

CALL BEFORE YOU DIG! COLORADO ONE CALL 811

0 10 20 40 80

SCALE 1" = 20' – 0"

NORTH

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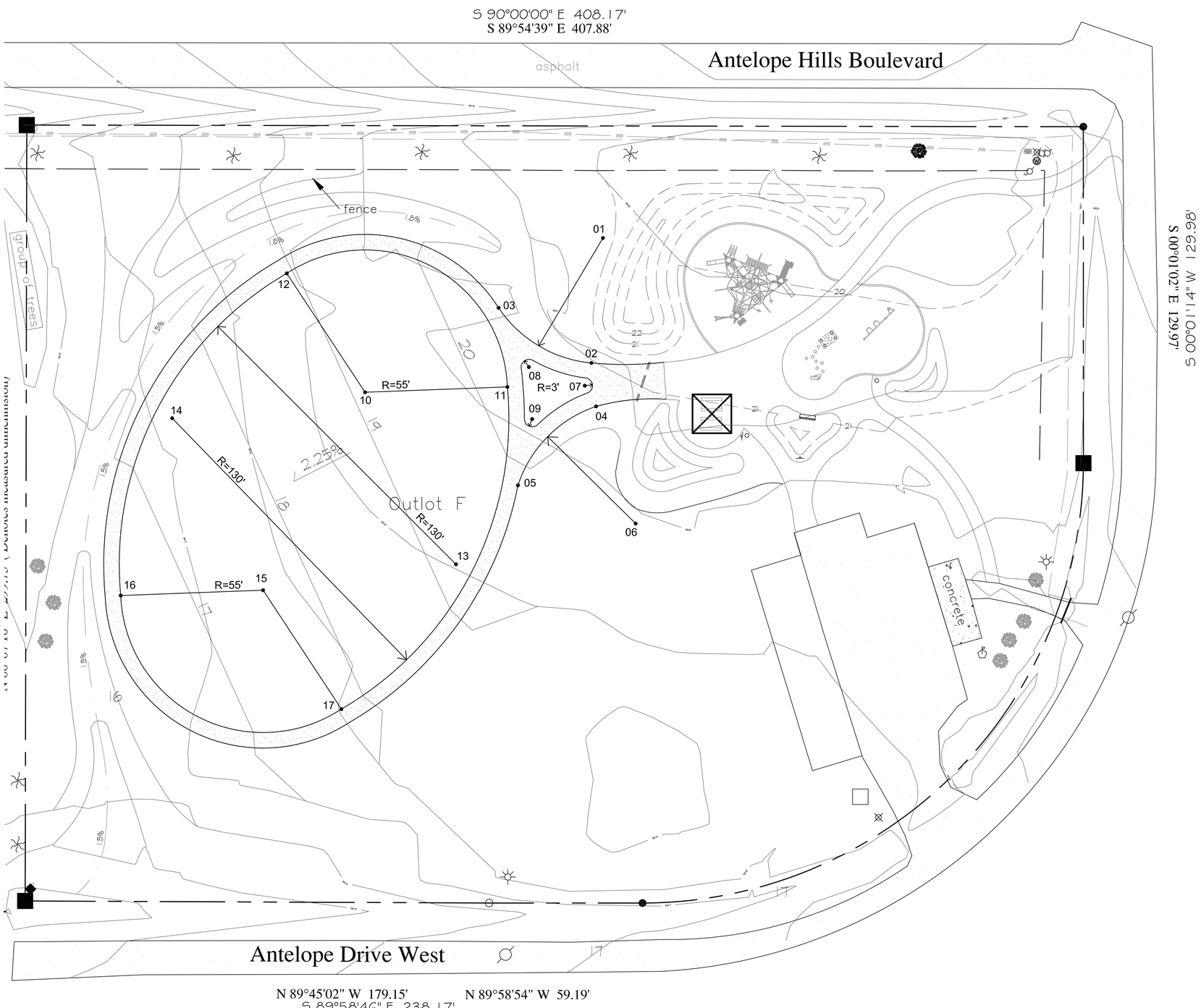
SITE PLAN
GRADING

SHEET NUMBER:
L-1



WALKWAY LAYOUT

GRID POINT COORDINATES

POINT	DESCRIPTION	X, Y COORDINATES
01	CENTERPOINT WALK RADIUS - 48.4'	3305932.75, 1682779.49
02	POINT OF TANGENCY	3305928.29, 1682731.22
03	POINT OF TANGENCY	3305842.47, 1682752.53
04	POINT OF TANGENCY	3305930.12, 1682714.45
05	POINT OF TANGENCY	3305899.95, 1682683.96
06	CENTERPOINT WALK RADIUS - 47.7'	3305945.38, 1682669.18
07	CENTERPOINT WALK RADIUS - 3'	3305925.74, 1682722.45
08	CENTERPOINT WALK RADIUS - 3'	3305904.18, 1682729.63
09	CENTERPOINT WALK RADIUS - 3'	3305905.44, 1682709.54
10	CENTERPOINT WALK RADIUS - 55'	3305840.92, 1682719.90
11	POINT OF TANGENCY	3305895.88, 1682721.96
12	POINT OF TANGENCY	3305810.68, 1682765.84
13	CENTERPOINT WALK RADIUS - 130'	3305876.02, 1682653.45
14	CENTERPOINT WALK RADIUS - 130'	3305766.44, 1682709.88
15	CENTERPOINT WALK RADIUS - 55'	3305801.55, 1682643.44
16	POINT OF TANGENCY	3305746.58, 1682641.37
17	POINT OF TANGENCY	3305831.78, 1682597.50

LAYOUT PLAN

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LAYOUT PLAN

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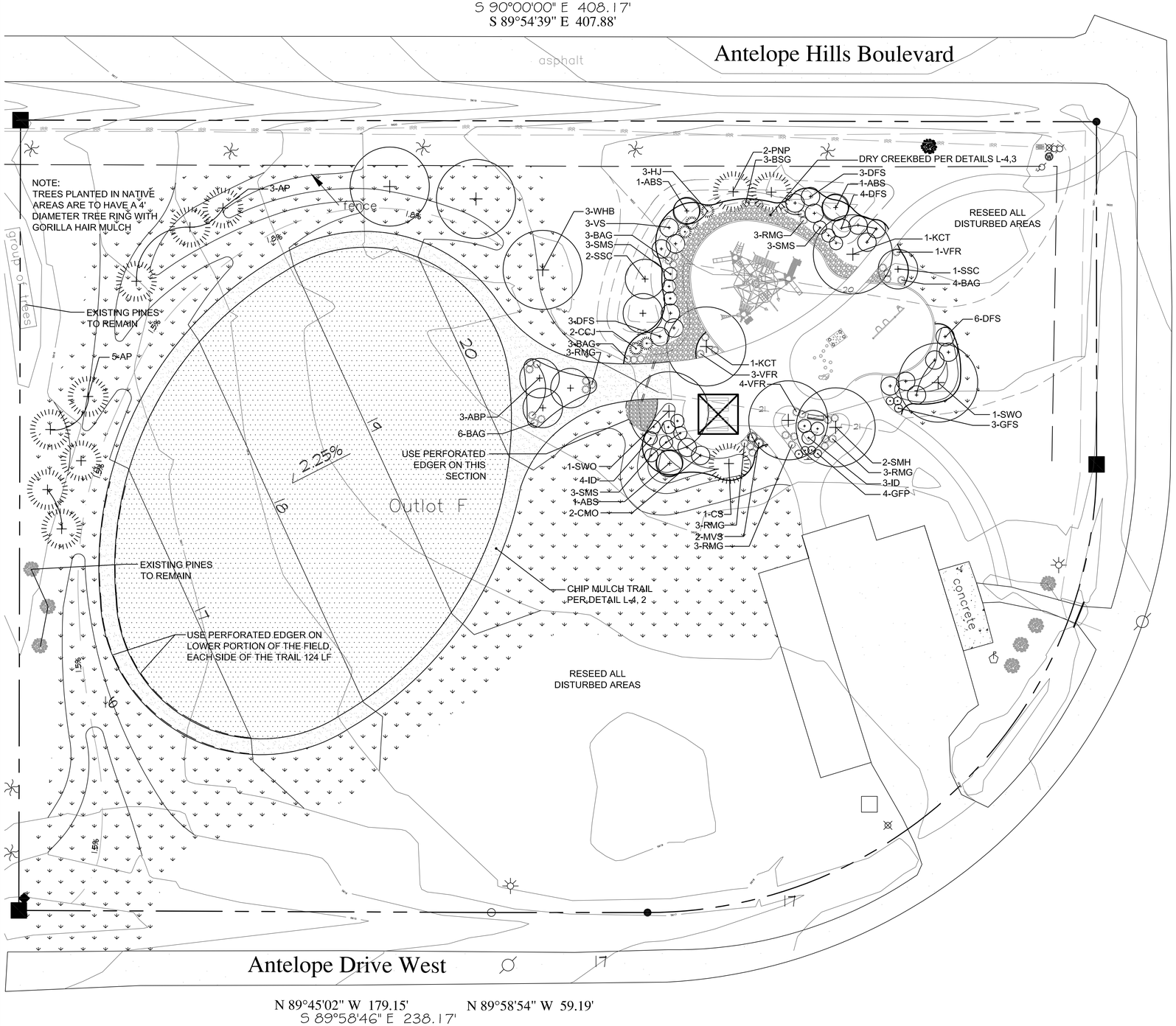
L-2



PLANT SCHEDULE

QTY.	SYM.	COMMON NAME	BOTANICAL NAME	SIZE / CONDITION
DECIDUOUS CANOPY TREES				
	SMH	SHADEMASTER HONEYLOCUST	GLEDITSIA TRIACANTHOS INERMIS 'SHADEMASTER'	2" CAL. SPECIMEN
	KCT	SEEDLESS KENTUCKY COFFEETREE	GYMNOCLADUS DIOICUS 'ESPRESSO'	2" CAL. SPECIMEN
	WHB	WESTERN HACKBERRY	CELTIS OCCIDENTALIS	2" CAL. SPECIMEN
	SWO	SWAMP WHITE OAK	QUERCUS BICOLOR	2" CAL. SPECIMEN
EVERGREEN TREES				
	CS	COLORADO SPRUCE	PICEA PUNGENS	6' HT. SPECIMEN
	AP	AUSTRIAN PINE	PINUS NIGRA	6' HT. SPECIMEN
	PNP	PINON PINE	PINUS EDULIS	6' HT. SPECIMEN
ORNAMENTAL TREES				
	SSG	SPRING SNOW CRABAPPLE	MALUS SPRING SNOW	2" CAL. SPECIMEN
	ABS	AUTUMN BRILLIANCE SERVICEBERRY	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	6' HT., CLUMP
	ABP	AUTUMN BLAZE PEAR	PYRUS CALLERYANA 'AUTUMN BLAZE'	2" CAL. SPECIMEN
EVERGREEN SHRUBS				
	CCJ	CALGARY CARPET JUNIPER	JUNIPERUS SABINA 'CALGARY CARPET'	#5 CONT.
	HJ	HUSHES JUNIPER	JUNIPERUS HORIZONTALIS 'HUSHES'	#5 CONT.
	MVS	MESA VERDE SPRUCE	PICEA PUNGENS 'MESA VERDE'	#3 CONT.
DECIDUOUS SHRUBS				
	GFS	GOLDFLAME SPIREA	SPIREA JAPONICA 'GOLDFLAME'	#5 CONT.
	GFP	GOLD FINGER POTENTILLA	POTENTILLA FRUTICOSA 'GOLD FINGER'	#5 CONT.
	ID	ISANTI DOGWOOD	CORNUS SERICEA 'ISANTI'	#5 CONT.
	AAS	AUTUMN AMBER SUMAC	RHUS TRILOBATA 'AUTUMN AMBER'	#5 CONT.
	SMS	SNOWMOUND SPIREA	SPIREA NIPPONICA 'SNOWMOUND'	#5 CONT.
	DFS	DWARF FRAGRANT SUMAC	RHUS AROMATICA 'GRO-LOW'	#5 CONT.
	CMO	CHEYENNE MOCKORANGE	PHILADELPHUS LEWISII CHEYENNE	#5 CONT.
	VS	VANHOUTTE RENAISSANCE SPIREA	SPIREA X VANHOUTTEI 'RENAISSANCE'	#5 CONT.
ORNAMENTAL GRASSES				
	BSG	DALLAS BLUES BLUE SWITCH GRASS	PANICUM VIRGATUM 'DALLAS BLUES'	#1 CONT.
	BAG	BLONDE AMBITION GRAMA GRASS	BOUTELOUA GRACILIS 'BLONDE AMBITION'	#1 CONT.
	VFR	VARIEGATED FEATHER REED GRASS	CALAMAGROSTIS ACUTIFLORA 'AVALANCHE'	#1 CONT.
	RMG	UNDAUNTED RUBY MUHLY GRASS	MUHLENBERGIA REVERHONII UNDAUNTED	#1 CONT.

BLUEGRASS SOD - Big Roll Texas Hybrid

NATIVE GRASS SEED MIX

RIVER ROCK & COBBLE DRY CREEK - see detail Sheet L-4

NATIVE SEED MIX

COMMON NAME	% OF MIX	# PLS/acre
BLUE GRAMA (LOVINGTON)	5	0.15
SWITCHGRASS (GREENVILLE)	5	0.55
LITTLE BLUESTEM (CAMPER)	5	0.5
BLUEBUNCH WHEATGRASS (SECAR)	15	1.5
GREEN NEEDLEGRASS (LODORM)	5	0.61
WESTERN WHEATGRASS (ROSANA OR ARRIBA)	35	6.43
BIG BLUEGRASS (SHERMAN)	30	1.8
	100	13.04 # /ACRE

PLS INDICATED IS FOR DRILL SEED APPLICATIONS, RE-SEED AREAS LARGER THAN 2 S.F. IN WHICH NO STAND OF GRASS IS ESTABLISHED UNTIL FULL COVERAGE IS ACHIEVED. SEEDING DEPTH ¼" (ONE QUARTER INCH). COVER ALL SEEDED AREAS WITH HYDROMULCH OR STRAW MULCH CRIMPED INTO THE SOIL. ALL SLOPES GREATER THAN 4:1 SHALL BE COVERED WITH EROSION CONTROL MAT.

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0 10 20 40 80

SCALE 1" = 20' – 0"

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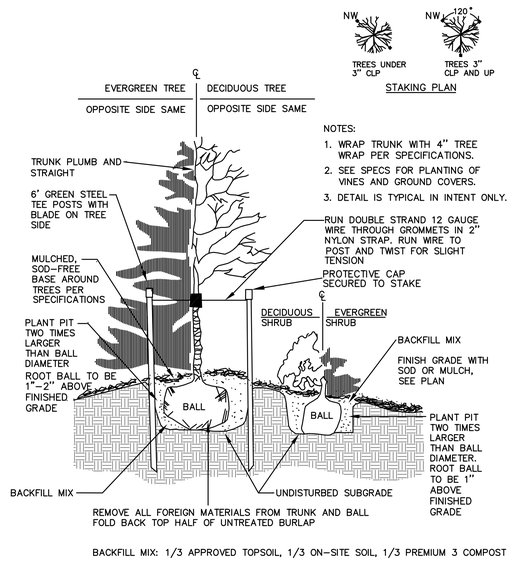
SHEET CONTENTS: LANDSCAPE PLAN

SHEET NUMBER: L-3

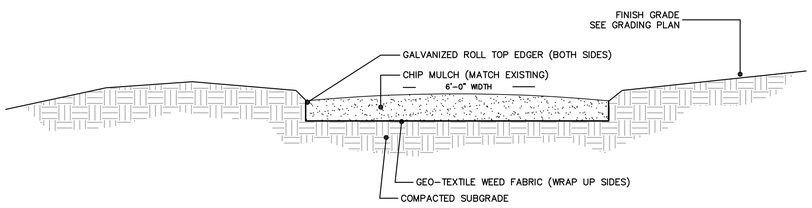
1 - PLANTING DETAIL



BACKFILL MIX: 1/3 APPROVED TOPSOIL, 1/3 ON-SITE SOIL, 1/3 PREMIUM 3 COMPOST

2 - CHIP MULCH TRAIL

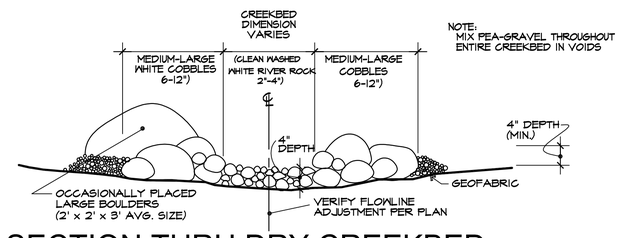
NOT TO SCALE



LANDSCAPE NOTES

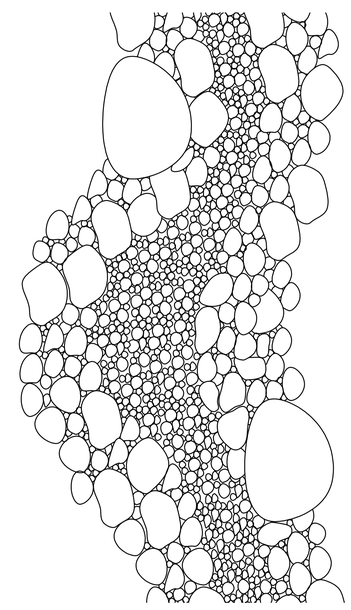
1. ALL TREES AND SHRUBS SHALL BE PLANTED PER DETAIL. ALL TREES SHALL BE STAKED PER DETAIL FOR A PERIOD OF ONE YEAR. DECIDUOUS TREES ARE TO BE WRAPPED FOR THE FIRST WINTER SEASON, SEE DETAIL.
2. ALL AREAS TO BE PLANTED (SOD & BEDS) ARE TO RECEIVE SOIL PREPARATION OF 6 C.Y. PER 1000 S.F. OF PREMIUM AGED COMPOST TILLED TO A DEPTH OF 6". NATIVE SEEDED AREAS DO NOT GET SOIL AMENDMENT BUT SHOULD BE RAKED PRIOR TO SEEDING. SUBMIT DELIVERY TICKETS TO L.A. FOR VERIFICATION OF QUANTITIES & MATERIAL.
3. ALL PLANTING BEDS ARE TO RECEIVE A MINIMUM 3" DEPTH 1 ½" TAN RIVER ROCK MULCH OVER A WEED CONTROL FABRIC. PERENNIAL BEDS & TREE RINGS ARE TO RECEIVE 3" DEPTH GORRILA HAIR CEDAR MULCH WITHOUT WEED FABRIC.
4. ALL PLANTING BEDS ARE TO BE CONTAINED BY A 4" INTERLOCKING GALV. STEEL EDGER, ROLL TOP. EDGER IS NOT REQUIRED WHEN ADJACENT TO CONCRETE WALKS OR AROUND TREE RINGS.
5. A "SPECIMEN" TREE REFERS TO A TREE BEING OF SYMMETRICAL SHAPE WITH ONE MAIN LEADER AND A MINIMUM HEIGHT OF 8 FEET FOR DECIDUOUS ORNAMENTAL TREES AND A MINIMUM HEIGHT OF 12 FEET FOR DECIDUOUS SHADE TREES.
6. THE LANDSCAPER IS NOT TO START SOIL PREPARATION ACTIVITIES UNTIL MAJOR SITE GRADING HAS BEEN ACCEPTED AND IS WITHIN +/- 1.25 INCHES OF FINAL GRADE. WORK INITIATION BY THE LANDSCAPE CONTRACTOR SIGNIFIES THAT THE CONTRACTOR ACCEPTS THE GRADING AND IS RESPONSIBLE FOR FINAL GRADES SPECIFIED ON GRADING PLANS.
7. ALL PLANT SUBSTITUTIONS, INCLUDING PERENNIALS, SHRUBS, AND TREES MUST BE APPROVED BY THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO PLANTING.

3- DRY CREEKBED DETAILS



SECTION THRU DRY CREEKBED

SCALE: 1" = 1'-0"



PLAN VIEW DRY CREEKBED

SCALE: 1" = 1'-0"

LANDSCAPE DETAILS

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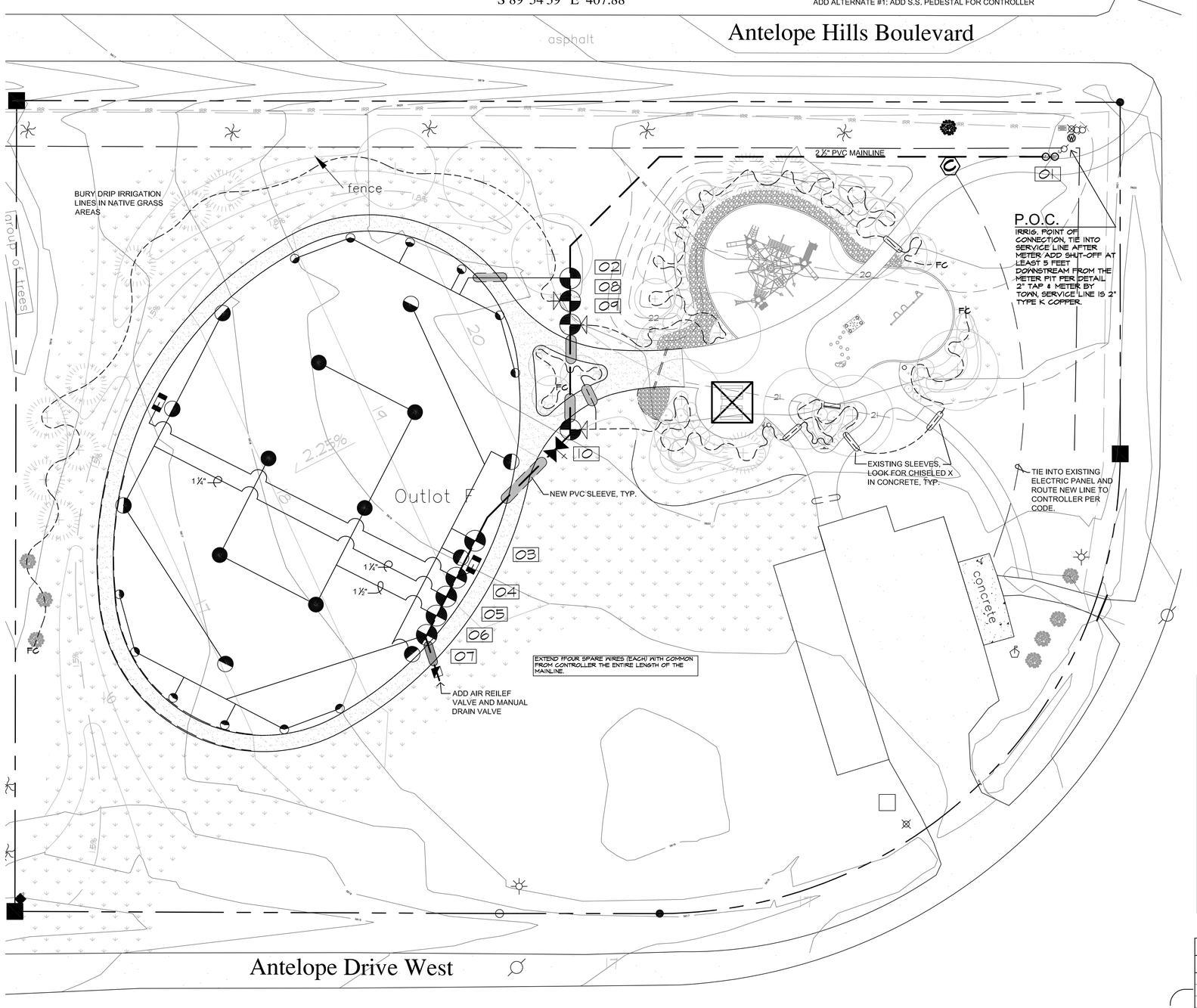
CONTROLLER LOCATION (C)

INSTALL CONTROLLER ON AN EXISTING FENCE POST.
120v ELECTRICAL POWER BY TOWN, WILL BE AVAILABLE AT FENCE CONTRACTORS CONNECTION TO CONTROLLER IS BY CONTRACTOR WITH ALL WORK CONFORMING TO LOCAL CODE. FINAL CONTROLLER LOCATION SHALL BE APPROVED BY OWNER'S REP. PRIOR TO INSTALATION. PROVIDE/INSTALL APPROPRIATELY SIZED JUNCTION BOX AND CONDUIT ON THE EXTERIOR OF THE POST FROM CONTROLLER, TO BELOW GRADE ELEVATION.
INSTALL WR2 RAIN/FREEZE SENSOR ON TOP OF FENCE POST PER MANUFATURER'S RECOMENDATIONS.
ADD ALTERNATE #1: ADD S.S. PEDESTAL FOR CONTROLLER



EQUIPMENT LEGEND

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION	DETAIL
	-	CLASS 200 PVC	3" PVC MAINLINE, BELL END PIPE	
	-	CLASS 200 PVC	LATERAL LINE, SIZED AS INDICATED, ALL UNSIZED PIPE IS 1", PVC - ASTM D2241,	
	-	DRIP DISTRIBUTION TUBING	3/4" DIA., FLEXIBLE, THICK WALLED (WITH RAINBIRD XERI-BUG EMITTERS)	
	HUNTER	I-20 W/ 4.0 NOZ.	6" POP-UP S.S. ROTOR WITH CHECK VALVE	
	RAINBIRD	1806-SAM-PRS W/ 1724 R-VAN NOZ.	6" POP-UP SPRAY HEAD WITH PRESSURE REGULATION	
	RAINBIRD	1806-SAM-PRS CENTER STRIP NOZ.	6" POP-UP W/ 15 STRIP SERIES NOZZLES & PRESSURE REGULATION	
	RAINBIRD	100 - PEB SERIES	1" ELECTRIC CONTROL VALVE - TYPE, 2-WAY w/ MANUAL BLEED PLUG AND FLOW ADJUSTMENT	
	RAINBIRD	150 - EFB-CP	1 1/2" ELECTRIC CONTROL VALVE - TYPE, 2-WAY w/ MANUAL BLEED PLUG AND FLOW ADJUSTMENT	
	RAINBIRD	XCZ-100-PRB-COM	1" ELECTRIC CONTROL DRIP VALVE ASSEMBLY - INCLUDES BALL VALVE, 200 MESH INLINE FILTER, REMOTE CONTROL VALVE AND PRESSURE REGULATOR	
	WATERMAN	AV-150 - 2" AIR / VACUUM RELIEF VALVE	INSTALL PER DETAIL, MANF. RECOMMENDATIONS	
	RAINBIRD	ESP-LXME/F	12 STATION AUTOMATIC CONTROLLER W/ RAINBIRD WR2 RAIN SENSOR	
	BUCKNER / SUPERIOR MODEL 3200	2"	BRASS VALVE (NORMALLY CLOSED) MODEL #3200200	
	-	LINE SIZE	GATE VALVE	
	FEBCO LF 825 YA 'USC APPROVED'	2"	BACKFLOW ASSEMBLY IN GREEN GUARDSHACK ENCLOSURE ON CONC. PAD	
	-	-	POINT OF CONNECTION ASSEMBLY	
	-	-	SLEEVING - CLASS 200 PVC TWICE SIZE OF DISTRIBUTION PIPE SEPERATE SLEEVES FOR EACH PIPE	
FC	FLUSH CAP	LINE SIZE	FLUSH CAP	

SEE TECHNICAL DETAILS FOR OTHER EQUIPMENT REQUIREMENTS.

ADD ALTERNATE #2: UTILIZE WEATEHRTRAK CONTROLLER

	HYDROPOINT	WHEATHERTRAK LC+ CONTROLLER	12 STATION AUTOMATIC CONTROLLER

GENERAL NOTES

1. THE SYSTEM DESIGN ASSUMES A MINIMUM DYNAMIC PRESSURE FOR THE IRRIGATION SYSTEM OF 65 PSI AT A MINIMUM DISCHARGE OF 50 GPM AT THE POINT OF CONNECTION. VERIFY PRESSURE AND FLOW ON SITE PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES WITH ASSUMPTIONS.
2. READ THOROUGHLY AND BECOME FAMILIAR WITH THE SPECIFICATIONS AND INSTALLATION DETAILS PRIOR TO CONSTRUCTION.
3. DO NOT PROCEED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN, OR IF DISCREPANCIES IN CONSTRUCTION DETAILS, LEGENDS, NOTES OR SPECIFICATIONS ARE DISCOVERED.
4. THE DRAWINGS ARE DIAGRAMMATIC, THEREFORE THE FOLLOWING SHOULD BE NOTED:
   - IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE PLANTING AREAS FOR CLARITY. AVOID CONFLICTS BETWEEN THE IRRIGATION SYSTEM, PLANTING MATERIALS AND ARCHITECTURAL FEATURES. INSTALL IRRIGATION PIPE AND WIRING IN LANDSCAPED AREAS WHENEVER POSSIBLE.
   - USE ONLY STANDARD TEES AND ELBOW FITTINGS. USE OF CROSS TYPE FITTINGS IS NOT PERMITTED.
5. SELECT NOZZLES FOR SPRINKLERS WITH ARCS WHICH PROVIDE COMPLETE AND ADEQUATE COVERAGE WITH MINIMUM OVER SPRAY FOR THE SITE CONDITIONS. CAREFULLY ADJUST THE RADIUS OF THROW AND ARC OF COVERAGE OF EACH SPRINKLER TO PROVIDE THE BEST PERFORMANCE.
6. THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF IRRIGATION SLEEVING. SLEEVES ARE TO BE INSTALLED FOR BOTH PIPING AND ELECTRICAL WIRING AT EACH HARDSCAPE CROSSING. COORDINATE INSTALLATION OF SLEEVING WITH OTHER TRADES. ANY PIPE OR WIRE WHERE SLEEVING WAS NOT INSTALLED, REQUIRES HORIZONTAL BORING BY THE IRRIGATION CONTRACTOR.
7. INSTALL ELECTRICAL POWER TO THE CONTROLLER(S) IN ACCORDANCE WITH THE NEC AND ALL APPLICABLE LOCAL ELECTRICAL UTILITY CODES.
8. PROVIDE 2 - 1 GALLON PER HOUR EMITTERS FOR EACH SHRUB AND 4 - 2 GALLON PER HOUR EMITTERS FOR EACH TREE.
9. ADJUST IRRIGATION IN ROW AS NEEDED TO ACCOMMODATE NEW PLANT MATERIAL.

ZONING SCHEDULE

	CLOCK STATION	VALVE #	GPM"s	VALVE SIZE	OPERATING PRESSURE	HEAD TYPE	QUANTITY
	01	01	NA	2"	45	MASTER VALVE– BUCKNER SUPERIOR # 3000200	
SOD ZONES	02	02	10.8	1 1/2"	40	RAINBIRD 1806SAM W/ RB R-VAN 1724 SERIES NOZ. – 22' R)	6H
SOD ZONES	03	03	16	1 1/2"	45	HUNTER I-20-SS-06-PR W/ 4.0 NOZ. – 40' R	4H
SOD ZONES	04	04	2.5	1"	30	RAINBIRD 1806SAM W/ RB 15CST NOZ. (4'X30')	2
SOD ZONES	05	05	16	1 1/2"	45	HUNTER I-20-SS-06-PR W/ 4.0 NOZ. – 40' R	4H
SOD ZONES	06	06	24	1 1/2"	45	HUNTER I-20-SS-06-PR W/ 4.0 NOZ. – 40' R	6F
SOD ZONES	07	07	10.8	1 1/2"	40	RAINBIRD 1806SAM W/ RB R-VAN 1724 SERIES NOZ. – 22' R)	6H
TREES IN NATIVE	08	08	NA	1"	30	RAINBIRD XCZ-100-PRB-COM DRIP IRRIGATION	
SHRUBS & TREES IN BEDS	09	09	NA	1"	30	RAINBIRD XCZ-100-PRB-COM DRIP IRRIGATION	
SHRUBS & TREES IN BEDS	10	10	NA	1"	30	RAINBIRD XCZ-100-PRB-COM DRIP IRRIGATION	
	11	11				STATIONS 11–12 SPARES	
	12	12					

CALL BEFORE YOU DIG! COLORADO ONE CALL 811

0 10 20 40 80
SCALE 1" = 20' – 0"

NORTH

IRRIGATION PLAN

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info@sunlitdesigns.com

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Bennett, Colorado

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IRRIGATION PLAN

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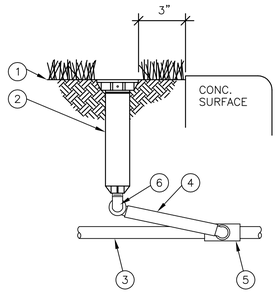
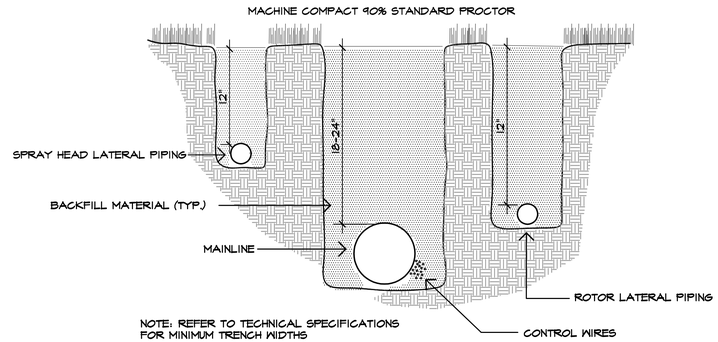
L-5

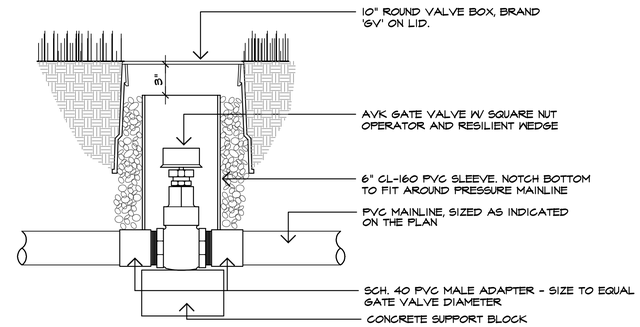


1. FINISH GRADE/TOP OF MULCH
2. POP-UP SPRAY SPRINKLER: RAIN BIRD 1806 SEE SCHEDULE FOR HEAD /NOZZLE INFO
3. LATERAL PIPE AS SPECIFIED ON PLANS
4. SWING ASSEMBLY: TORO FUNNY PIPE
5. LATERAL TEE OR ELL
6. BARBED MALE ELL

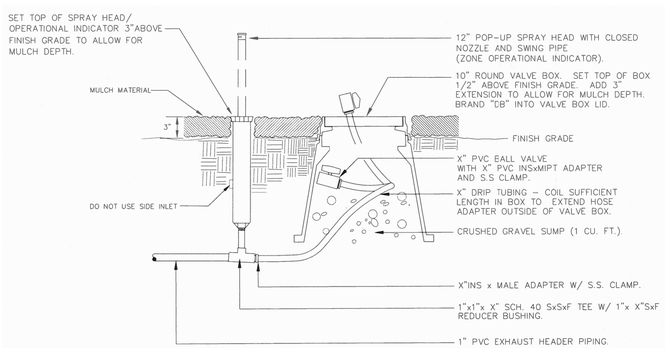
1 POP-UP SPRAY
NO SCALE



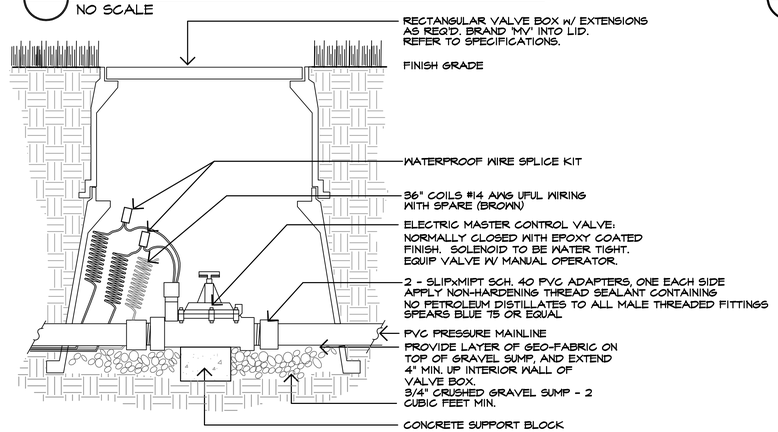
2 TRENCH
NO SCALE



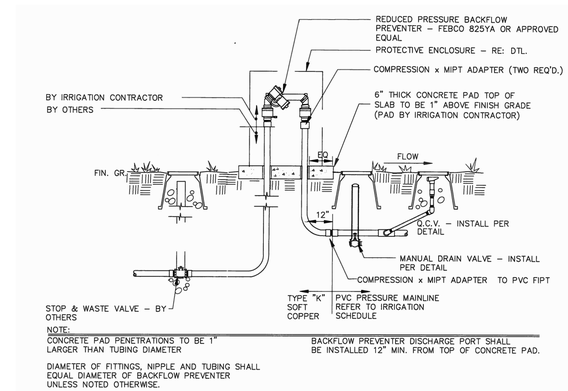
3 GATE VALVE
NO SCALE



4 DRIP INDICATOR & FLUSH DETAIL
NO SCALE



5 MASTER VALVE
NO SCALE



6 BACKFLOW PREVENTER
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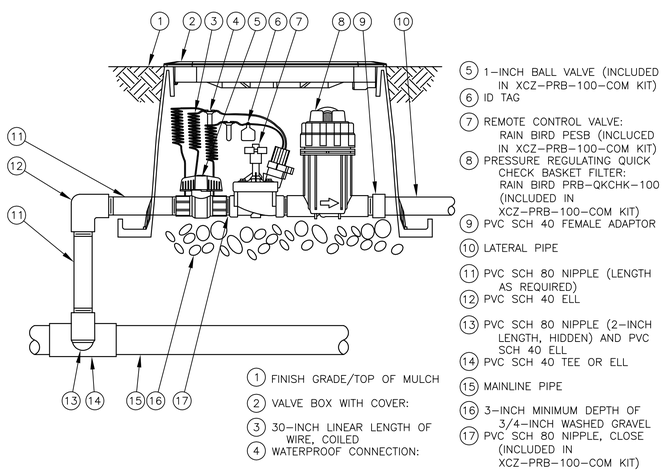
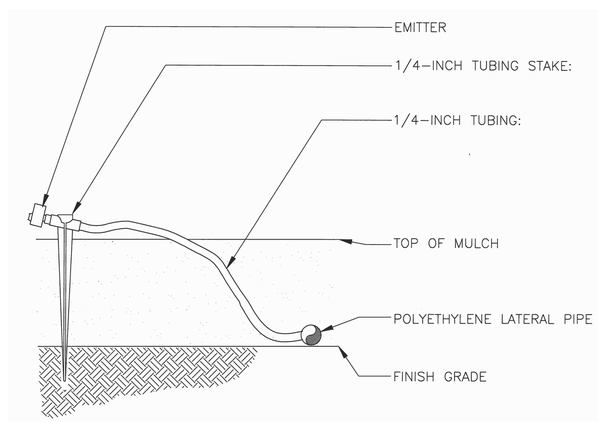


7 DRIP VALVE ASSEMBLY DETAIL
NO SCALE



8 DRIP EMMITER DETAIL
NO SCALE

IRRIGATION DETAILS

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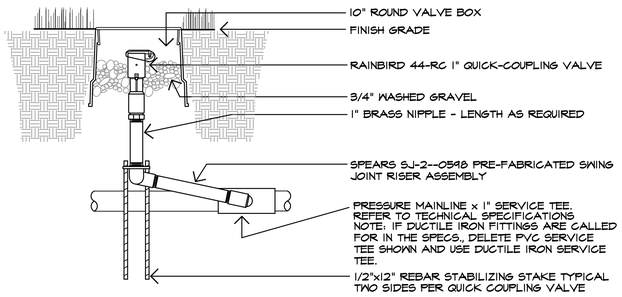
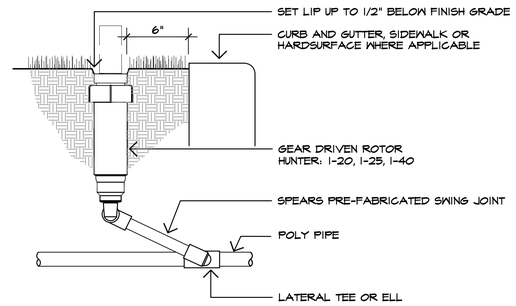
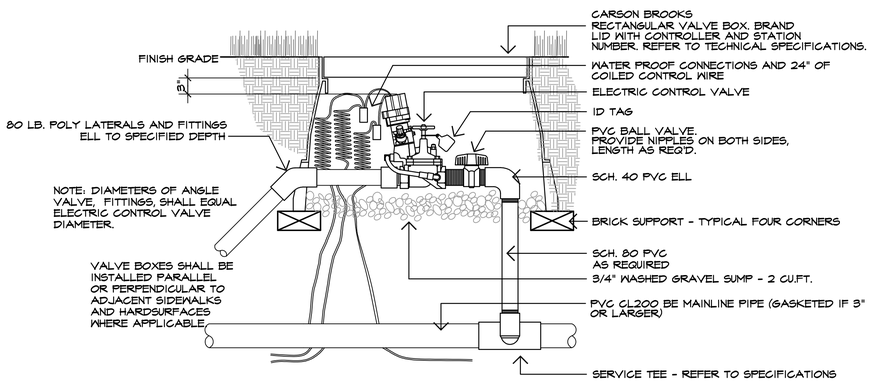


1 QUICK COUPLING VALVE
NO SCALE

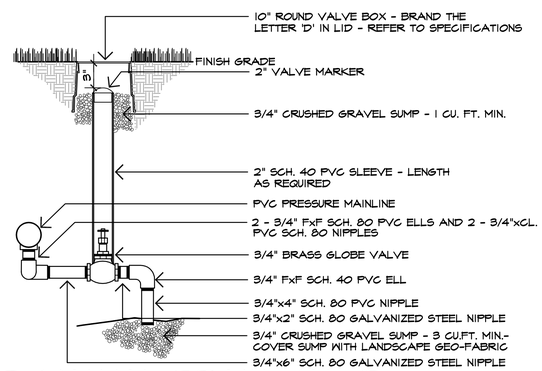


NOTE: SEE SCHEDULE FOR HEAD AND NOZZLE TYPES
SET ROTOR PERPENDICULAR TO FINISH GRADE.

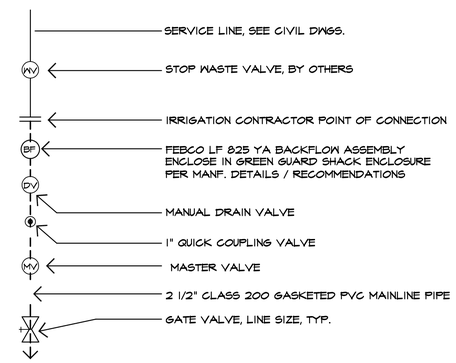
2 GEAR DRIVEN ROTOR
NO SCALE



3 ELECTRIC CONTROL VALVE
NO SCALE



4 MANUAL DRAIN VALVE
NO SCALE



5 POINT OF CONNECTION
NO SCALE

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