

# COMPARK VILLAGE SOUTH PRELIMINARY PLAN

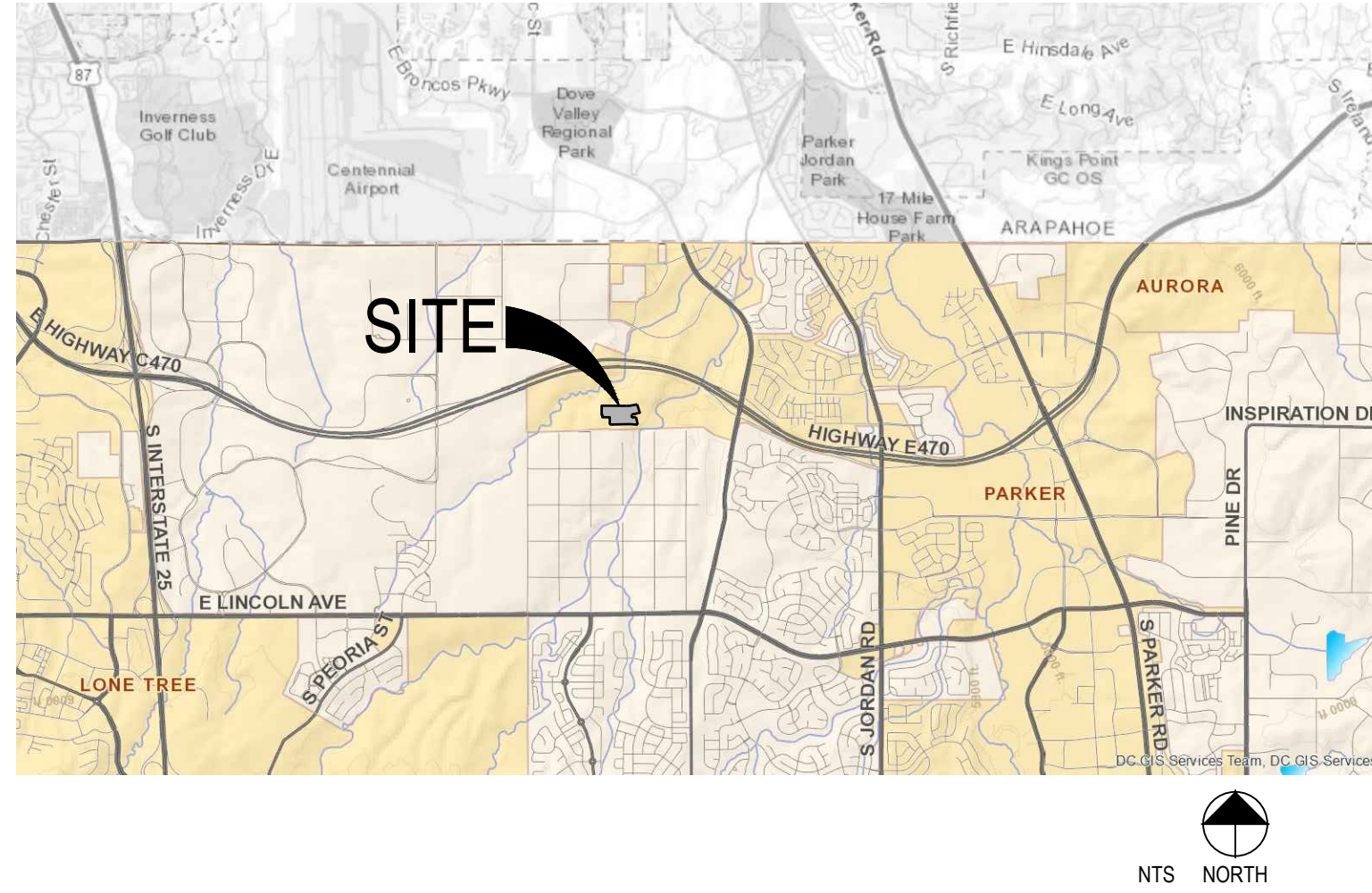
A PARCEL OF LAND LOCATED IN A PORTION OF THE SE OF SECTION 6, TOWNSHIP 6 SOUTH,  
RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN,  
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO  
7.69 ACRES, 33 RESIDENTIAL LOTS

Prepared For  
CENTURY LAND HOLDINGS, LLC  
8390 EAST CRESCENT PKWY  
SUITE 650  
GREENWOOD VILLAGE, CO 80111  
(303) 770-8300

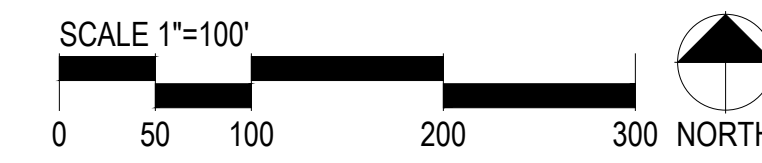
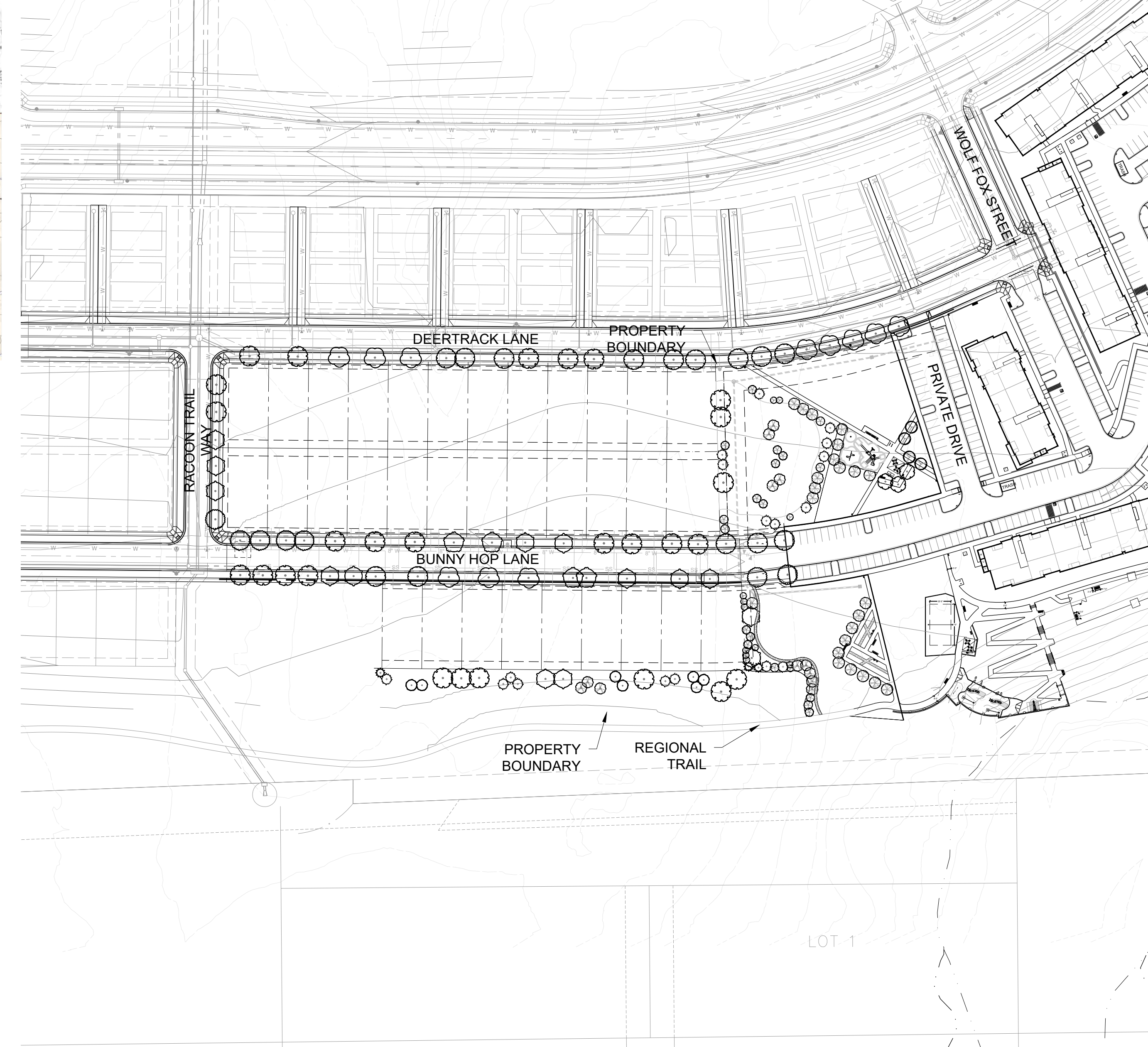
Land Planning  
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Civil Engineering  
MERRICK & COMPANY  
5970 GREENWOOD PLAZA BLVD,  
GREENWOOD VILLAGE, CO 80111  
303.353.3695

## VICINITY MAP



## OVERALL SITE PLAN



## SHEET INDEX

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COMPARK VILLAGE SOUTH  
LANDSCAPE PLANS AND  
MASTER STREET TREE PLANS

PARKER, CO

Stamp:

Drawn by:  
AML  
Checked by:  
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Issue Date:  
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TOWN OF PARKER

Rev#	Revisions	Date
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**PCS Group, Inc**



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DENVER, CO 80218  
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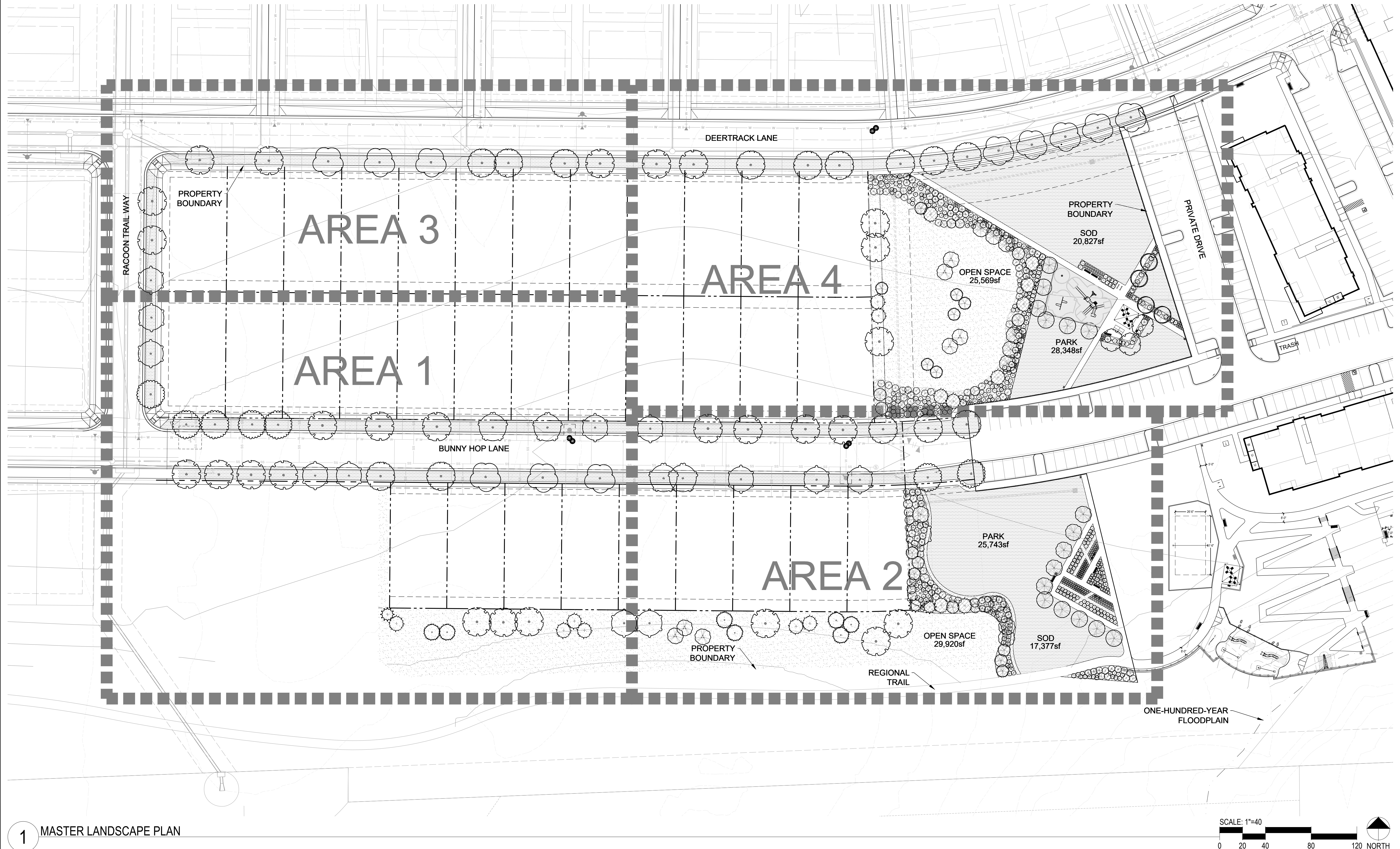
OCT 26, 2022

Sheet Name  
**COVER SHEET**  
Sheet Number

1 of 14

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1 MASTER LANDSCAPE PLAN

SCALE: 1"=40'  
 0 20 40 80 120 NORTH

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 MASTER LANDSCAPE PLAN  
 Sheet Number

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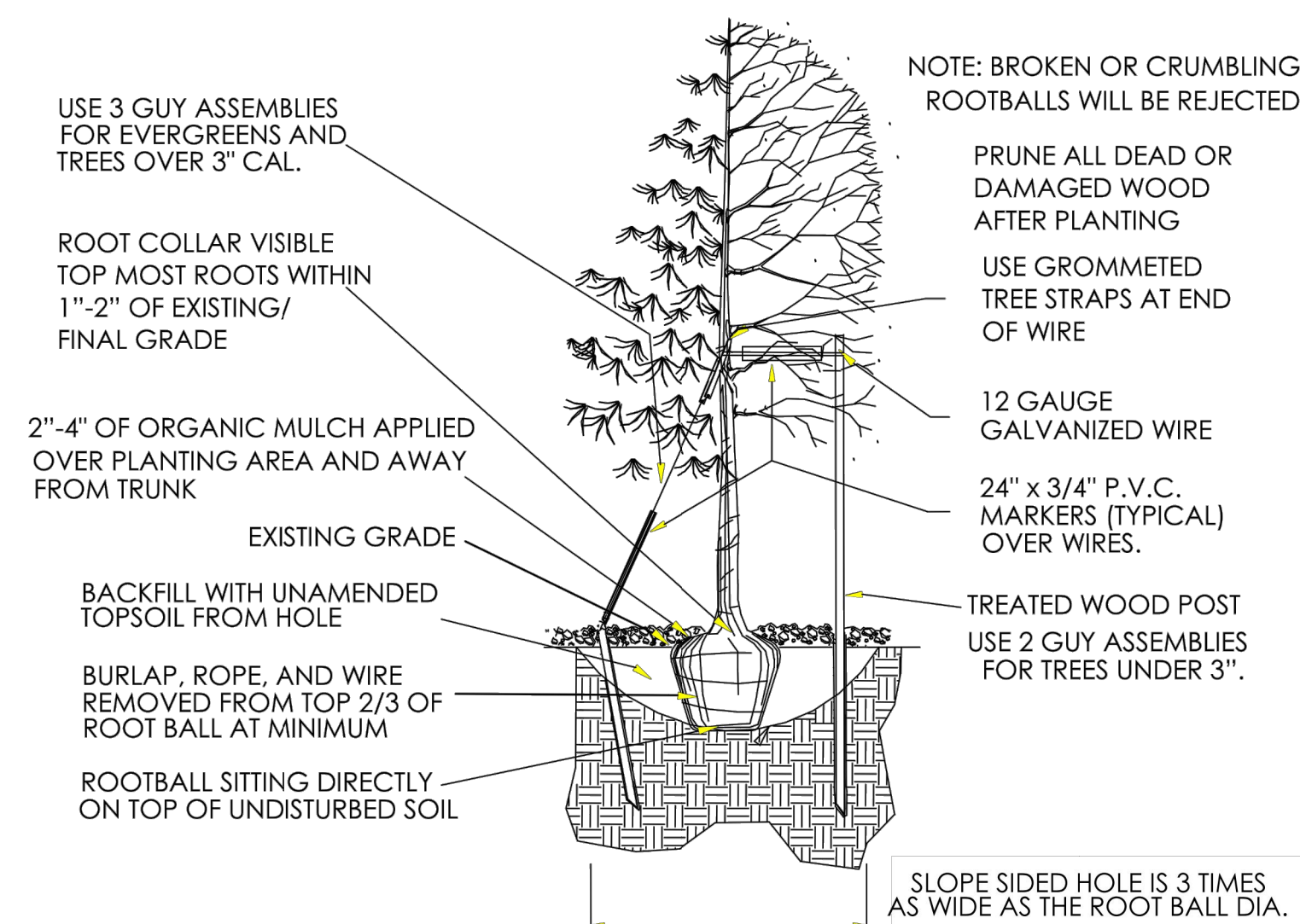
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## COMPARK VILLAGE SOUTH LANDSCAPE PLANS AND MASTER STREET TREE PLANS

PARKER, CO

### TOWN OF PARKER PLANTING STANDARDS



- Excavate planting holes with sloping sides. Make excavations at least three times as wide as the root ball diameter and no deeper than the distance from the top most roots in the root ball to the bottom of the root ball to allow for setting. Do not disturb soil at bottom of planting holes, but do score the sides of the planting hole. The planting area shall be loosened and aerated at least three times the diameter of the root ball. Backfill shall consist of existing on site topsoil - no amendments shall be used unless otherwise specified.
- Trees shall be planted with the root collar/flare visible above grade AND two or more structural roots located within the top 1" to 2" of the root ball/finished grade measured 3" to 4" from trunk. This includes trees that are set on slopes (see slope planting detail). Trees that do not have a visible root collar shall be rejected. Do not cover the root ball with soil.
- When root ball will remain intact, cut off bottom 1/4 of wire basket before placing tree in hole, cut off remainder of basket AFTER tree is set in hole, remove basket completely. At a minimum, the top 2/3 of the burlap and basket shall be removed from the root ball on all trees. Remove all nylon ties, twine, rope and burlap. Remove unnecessary packing material.
- Form soil into a 3" to 5" tall watering ring (saucer) around planting area. This is not necessary in irrigated turf areas. Apply 2" to 4" depth of specified mulch over planting area and inside saucers, away from trunk.
- Staking and guying of trees is optional in most planting situations. In areas of extreme winds, or on steep slopes, staking may be required to stabilize trees. Staking and guying must be removed within 1 year of planting date.
- Tree wrap is *not* to be used on any new plantings, except in late fall planting situations, and only then after consultation with the Town Arborist.
- Resetting of improperly planted trees will only be allowed if it is determined that doing so will in no way compromise the root ball, and shall only be done with approval of the Town Arborist.

### GENERAL NOTES

- SEE LANDSCAPE PLAN FOR COMPLETE EXTENTS OF LINE OF SIGHT INFORMATION. SITE LINES HAVE BEEN CALCULATED ON A DESIGN SPEED OF 25 MPH, WITH THE SITE DISTANCE MEASURED TO THE CENTER LINE OF THE STREET.
- LINE OF SIGHT INFORMATION TAKEN FROM TOWN OF PARKER ROADWAY DESIGN AND CONSTRUCTION STANDARDS, FIGURE 4.2.
- ALL LANDSCAPING (EDGE OF ROOT BALLS) SHALL BE SETBACK FROM BUILDINGS A MINIMUM OF 3'.
- ABSOLUTELY NO IRRIGATION EQUIPMENT OF ANY KIND IS TO BE INSTALLED OR PLACED CLOSER THAN 5'-0" TO THE STRUCTURAL FOUNDATION OF ANY BUILDING.

### LANDSCAPE NOTES

- ALL WORK SHALL CONFORM TO LOCAL CITY AND COUNTY CODES. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES, LINES AND STRUCTURES PRIOR TO EXCAVATION OR TRENCHING. DAMAGE TO THESE UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER OR LANDSCAPE ARCHITECT.
- PLANT QUANTITIES TO BE BASED ON CONTRACTOR'S ESTIMATE ACCORDING TO PLANS, WHICH ARE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT.
- GRAPHIC SYMBOLS PRESIDE OVER WRITTEN PLANT QUANTITIES.
- ALL TREE AND SHRUB LOCATIONS SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE OWNER, OR LANDSCAPE ARCHITECT.
- PLANT SUBSTITUTIONS WILL NOT BE PERMITTED WITHOUT APPROVAL BY THE OWNER OR LANDSCAPE ARCHITECT.
- ALL TURF AREAS TO BE SPRAY IRRIGATED. ALL SHRUB BEDS TO BE DRIP IRRIGATED. ALL PERENNIAL AREAS TO BE IRRIGATED WITH 1/2" POP-UP SPRAY HEADS UNLESS OTHERWISE NOTED. THIS SYSTEM IS AN UNDERGROUND AUTOMATIC IRRIGATION SYSTEM. WINTER PROTECTION AND WATERING OF TREES SHALL BE PROVIDED WHEN NECESSARY TO MAINTAIN THE HEALTH AND SURVIVAL OF PLANT MATERIAL.
- WOOD MULCH TO BE SHREDDED WESTERN RED CEDAR BARK MULCH.
- SOD TO BE BLACK BEAUTY FESCUE.
- CRUSHER FINES TO BE GREY BREEZE.
- ALL TREE RINGS TO BE MULCHED WITH WOOD MULCH TO A DEPTH OF 3 INCHES MINIMUM WITH NO LANDSCAPE FABRIC.
- ALL SHRUB BEDS TO BE MULCHED WITH WOOD MULCH TO A DEPTH OF 3 INCHES MINIMUM WITH LANDSCAPE FABRIC.
- FOR TREES IN SOD OR NATIVE GRASS, ALLOW A 2' DIAMETER BED WITHOUT SOD AROUND ROOT COLLAR. APPLY 3" DEPTH OF WOOD MULCH OVER 2' DIAMETER BED FOLLOWING SOD INSTALLATION. ALL SHRUB AND SOD AREAS SHALL RECEIVE THE FOLLOWING SOIL AMENDMENTS PER 1000 S.F.: 4 CUBIC YARDS "SUPREME ORGANICS" COMPOST (50% COW MANURE, 50% WOOD FINES) OR APPROVED EQUAL, PLUS 15 LBS. OF 20-10-5 COMMERCIAL FERTILIZER. ROT-TILL TO A MINIMUM DEPTH OF 6".
- PLANTS SHALL BE INSTALLED IMMEDIATELY UPON DELIVERY TO SITE. IF THIS IS NOT POSSIBLE, PLANTS SHALL BE HELED IN AND WATERED TO PREVENT DEHYDRATION.
- PLANTING PITS SHALL BE EXCAVATED TO A MINIMUM OF TWICE THE WIDTH OF THE ROOTBALL. DO NOT DISTURB SOIL AT THE BOTTOM OF PIT BUT SCARIFY SIDES TO PREVENT GLAZING.
- PLANTS SHOULD BE THOROUGHLY WATERED IMMEDIATELY AFTER PLANTING, ALLOWING WATER TO SOAK DOWN AND FILL REMAINDER OF HOLE WITH LOOSE SOIL. WITHOUT FURTHER PACKING, A MOUND OF SOIL SHALL BE FORMED AROUND THE EDGE OF EACH TREE PIT TO FORM A SHALLOW SAUCER.
- AFTER PLANT INSTALLATION, ALL PLANT MATERIAL SHALL BE PLACED WITH THEIR ROOT COLLARS SLIGHTLY HIGHER THAN FINISH GRADE. (3" HIGHER FOR TREES.)
- LANDSCAPING SHALL BE PLANTED AND MAINTAINED BY THE OWNER, SUCCESSOR, AND/OR ASSIGNS. SHOULD ANY PLANT MATERIAL DIE, IT SHALL BE REPLACED WITH SIMILAR PLANT MATERIAL WITHIN ONE PLANTING SEASON.
- LANDSCAPE AND SCREENING MAINTENANCE AND REPLACEMENT: THE PROPERTY OWNER SHALL MAINTAIN THE LANDSCAPING PLAN AS ORIGINALLY APPROVED, AND PROVIDE FOR REPLACEMENT OF PLANT MATERIALS THAT HAVE DIED OR HAVE OTHERWISE BEEN DAMAGED OR REMOVED, AND MAINTENANCE OF ALL NON-LIVE LANDSCAPING MATERIALS. IN THIS CASE, LIVE MATERIAL IS TO BE MAINTAINED AND REPLACED BY THE CONTRACTOR WHICH SHALL BE GUARANTEED FOR FIVE YEARS FROM THE DATE OF FINAL INSPECTION.
- ALL LANDSCAPE SHOWN ON THESE PLANS SHALL BE MAINTAINED IN A NEAT AND ADEQUATE MANNER. REQUIRED MAINTENANCE ACTIVITIES SHALL INCLUDE, BUT NOT BE LIMITED TO TRIMMING OF HEDGES, ADEQUATE IRRIGATION, REPLACEMENT OF DEAD, DISEASED OR UNSIGHTLY LANDSCAPING, REMOVAL OF WEEDS FROM PLANTING AREAS, AND APPROPRIATE PRUNING OF PLANT MATERIALS.
- THE CONTRACTOR SHALL STAKE OUT ALL KEY AREAS INCLUDING BUT NOT LIMITED TO SIDE WALKS, STEEL EDGING, PLANT BEDS, TREE AND SHRUB LOCATIONS AND OBTAIN APPROVAL BY THE

- LANDSCAPE ARCHITECT OR DEVELOPER (MAKING MODIFICATIONS AS MAY BE REQUIRED AT NO ADDITIONAL COST), PRIOR TO PROCEEDING WITH THE CONSTRUCTION.
- SOIL BACKFILL MIXTURE FOR ALL PERENNIAL BEDS SHALL BE 1/3 COW MANURE, 1/3 IMPORTED TOPSOIL, AND 1/3 ON-SITE SOIL.
  - THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND BASE THE BID ON ACTUAL ON-SITE CONDITIONS AND MEASUREMENTS. ANY DISCREPANCIES, ERRORS OR OMISSIONS ON THE CONSTRUCTION DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS DUE TO FAILURE TO GIVE SUCH NOTICE.
  - THE CONTRACTOR OR AN OWNER'S REPRESENTATIVE WILL MONITOR THE ESTABLISHMENT OF SEEDED AREAS ON A MONTHLY BASIS FROM APRIL 15TH TO OCTOBER 15TH FOR THE FIRST THREE YEARS AFTER INSTALLATION. AREAS OF POOR GERMINATION OR GROWTH AND AREAS OF EROSION OR WEED INFESTATION WILL BE CORRECTED BY THE CONTRACTOR.
  - THE CONTRACTOR SHALL RESTORE ANY AND ALL DAMAGE DUE TO HIS CONSTRUCTION OPERATIONS TO THEIR ORIGINAL STATE AT HIS EXPENSE.
  - IF ANY TRANSFORMERS, GROUND-MOUNTED HVAC UNITS, UTILITY PEDESTALS AND SIMILAR FEATURES ARE NOT SHOWN ON THE LANDSCAPE PLANS, ADDITIONAL LANDSCAPING AND SCREENING MAY BE REQUIRED BASED UPON FIELD CONDITIONS DURING THE SITE INSPECTION PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY, OR FINAL INSPECTION AS APPLICABLE.

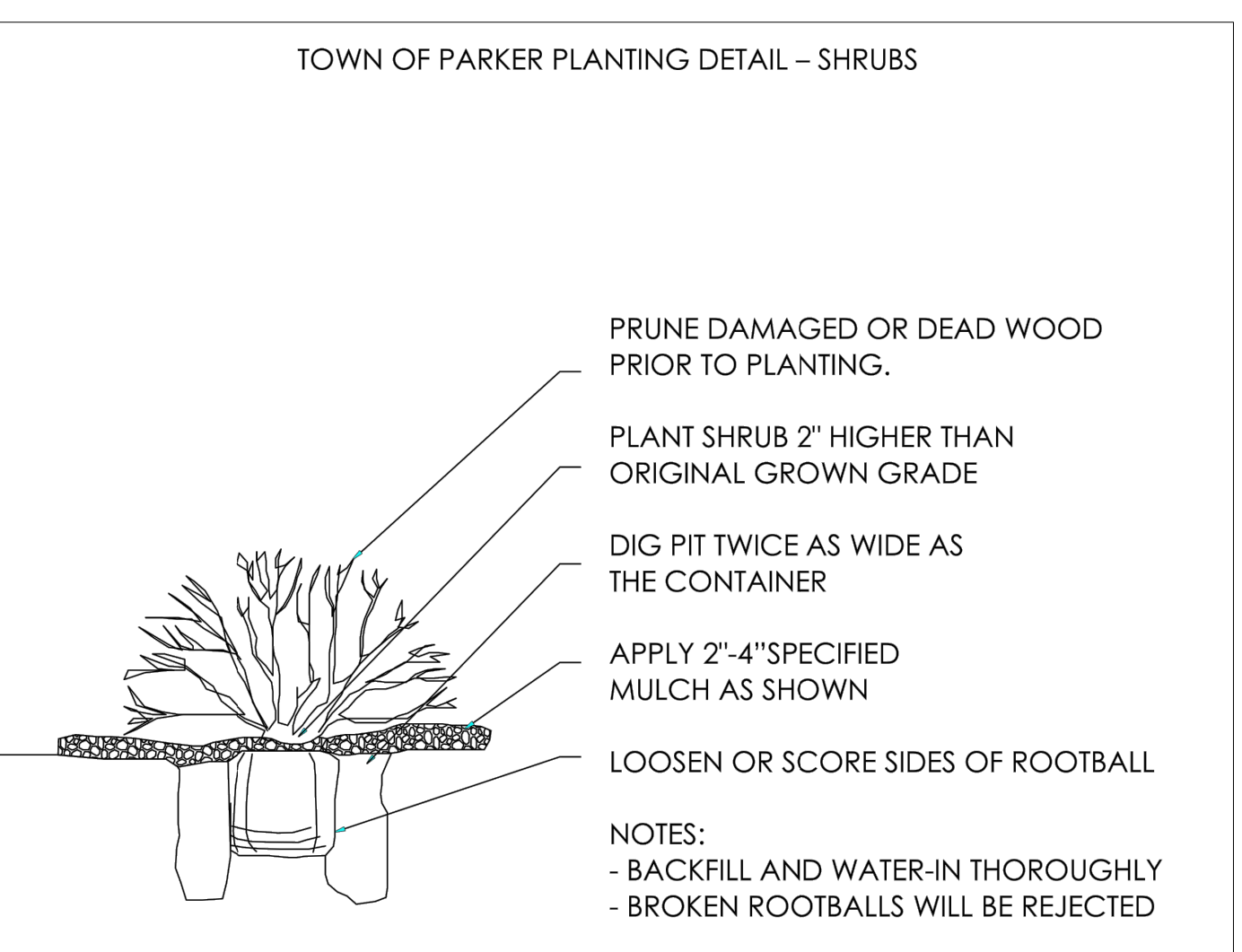
### LANDSCAPE MAINTENANCE

- LANDSCAPING SHALL BE PLANTED AND MAINTAINED BY THE OWNER, SUCCESSOR, AND/OR ASSIGNS. SHOULD ANY PLANT MATERIAL DIE, IT SHALL BE REPLACED WITH SIMILAR PLANT MATERIAL WITHIN ONE PLANTING SEASON.

Overall Site Plant Schedule				
CANOPY TREE	Quantity	Botanical	Common	CALIPER/HT.
AR	3	ACER PLATANOIDES 'ROYAL RED'	ROYAL RED MAPLE	2" CAL
CO	11	CELTIS OCCIDENTALIS	COMMON HACKBERRY	2" CAL
GS	14	GLEDITSIA TRIACANTHOS 'SKYLINE'	SKYLINE HONEY LOCUST	2" CAL
QM2	7	QUERCUS MUEHLENBERGII	CHINKAPIN OAK	2" CAL
QR	14	QUERCUS ROBUR	ENGLISH OAK	2" CAL
TG	4	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LITTLELEAF LINDEN	2" CAL
UA	27	ULMUS X 'ACCOLADE'	ACCOLADE ELM	2" CAL
Total	80			
Percentage of Total Trees	45%			
ORNAMENTAL TREE	Quantity	Botanical	Common	CALIPER/HT.
AG	4	ACER TATARICUM 'GARANN'	HOT WINGS TATARIAN MAPLE	2" CAL
AA	12	AMELANCHIER ALNIFOLIA 'OBELISK'	STANDING OVATION SERVICEBERRY	2" CAL
CV	14	CRATAEGUS VIRIDIS 'WINTER KING'	WINTER KING HAWTHORN	2" CAL
MS	11	MALLUS X 'SPRING SNOW'	SPRING SNOW CRAB APPLE	2" CAL
QG	10	QUERCUS GAMBELII	GAMBEL OAK	2" CAL
Total	51			
Percentage of Total Trees	29%			
EVERGREEN TREES	Quantity	Botanical	Common	CALIPER/HT.
PD	3	PICEA GLAUCA 'DENSATA'	BLACK HILLS SPRUCE	6' HT. MIN.
PP	12	PINUS EDULIS	PINON PINE	6' HT. MIN.
PL	6	PINUS HELDREICHII LEUCODERMIS	BOSNIAN PINE	6' HT. MIN.
PN	17	PINUS NIGRA	AUSTRIAN BLACK PINE	6' HT. MIN.
PP2	7	PINUS PONDEROSA	PONDEROSA PINE	6' HT. MIN.
Total	45			
Percentage of Total Trees	26%			
DECIDUOUS SHRUB	Quantity	Botanical	Common	SIZE
AA2	15	AMELANCHIER ALNIFOLIA 'REGENT'	SASKATOON SERVICEBERRY	5 GAL
AL	11	AMORPHA CANESCENS	LEADPLANT	5 GAL
BA	8	BERBERIS THUNBERGII 'ATROPURPUREA'	RED LEAF BARBERRY	5 GAL
CD	10	CARYOPTERIS X CLANDONENSIS 'DARK KNIGHT'	BLUE MIST SHRUB	5 GAL
CM	20	CHAMAEBATARIA MILLEFOLIUM	FERNBUSH	5 GAL
RB	25	CHRYSOTHAMNUS NAUSEOSUS	RABBITBRUSH	5 GAL
FP	28	FALLUGIA PARADOXA	APACHE PLUME	5 GAL
FN	23	FORESTIERA NEOMEXICANA	NEW MEXICAN PRIVET	5 GAL
PO	17	PHYSCARPUS OPUULIFOLIUS 'DART'S GOLD'	DART'S GOLD NINEBARK	5 GAL
SCH	97	PRUNUS BESSEYI 'PAWNEE BUTTES'	PAWNEE BUTTES SAND CHERRY	5 GAL
RB2	22	ROSA MEIDLAND SERIES 'BONICA'	BONICA MEIDLAND ROSE	5 GAL
RW	27	ROSA MEIDLAND SERIES 'WHITE'	WHITE MEIDLAND ROSE	5 GAL
SA	9	SPIRAEA X BUMALDA 'ANTHONY WATERER'	ANTHONY WATERER SPIRAEA	5 GAL
SC	17	SYRINGA VULGARIS 'CHARLES JOLY'	CHARLES JOLY LILAC	5 GAL
Total	329			
EVERGREEN SHRUB	Quantity	Botanical	Common	SIZE
AC2	7	ARCTOSTAPHYLOS X COLORADOENSIS 'CHIEFTAIN'	MANZANITA	5 GAL
AP	32	ARCTOSTAPHYLOS X COLORADOENSIS 'PANCHITO'	PANCHITO MANZANITA	5 GAL
JB4	61	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR JUNIPER	5 GAL
JY	3	JUNIPERUS HORIZONTALIS 'YOUNGSTOWN'	YOUNGSTOWN JUNIPER	5 GAL
JB3	23	JUNIPERUS SABINA 'BUFFALO'	BUFFALO JUNIPER	5 GAL
JT	6	JUNIPERUS SABINA 'TAMARISCIFOLIA'	TAMMY JUNIPER	5 GAL
PC4	25	PINUS MUGO 'VALLEY CUSHION'	VALLEY CUSHION MUGO PINE	5 GAL
PM3	8	PINUS MUGO PALOUSE	PALOUSE MUGO PINE	5 GAL
Total	165			
ORNAMENTAL GRASS	Quantity	Botanical	Common	SIZE
BC	58	BOUTELOUA CURTIPENDULA	SIDE OATS GRAMA	1 GAL
BB	31	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLONDE AMBITION BLUE GRAMA	1 GAL
CK	38	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	FEATHER REED GRASS	1 GAL
BOG	42	HELICTOTRICHON SEMPERVIRENS	BLUE OAT GRASS	1 GAL
PR	23	PENNISETUM ALOPECUROIDES 'RED HEAD'	RED HEAD FOUNTAIN GRASS	1 GAL
Total	169			
GROUND COVER	Area	Common Name	Percentage of Landscape Area	
SOD	58854	BLACK BEAUTY FESCUE	48.8%	
NATIVE SEED	47012	PBSI FRONT RANGE NATIVE SEED MIX	39.0%	
WOOD MULCH	14302	SHREDDED RED CEDAR	11.9%	
CRUSHER FINES	372	GREY BREEZE CRUSHER FINES	0.3%	
Total	120540		100%	

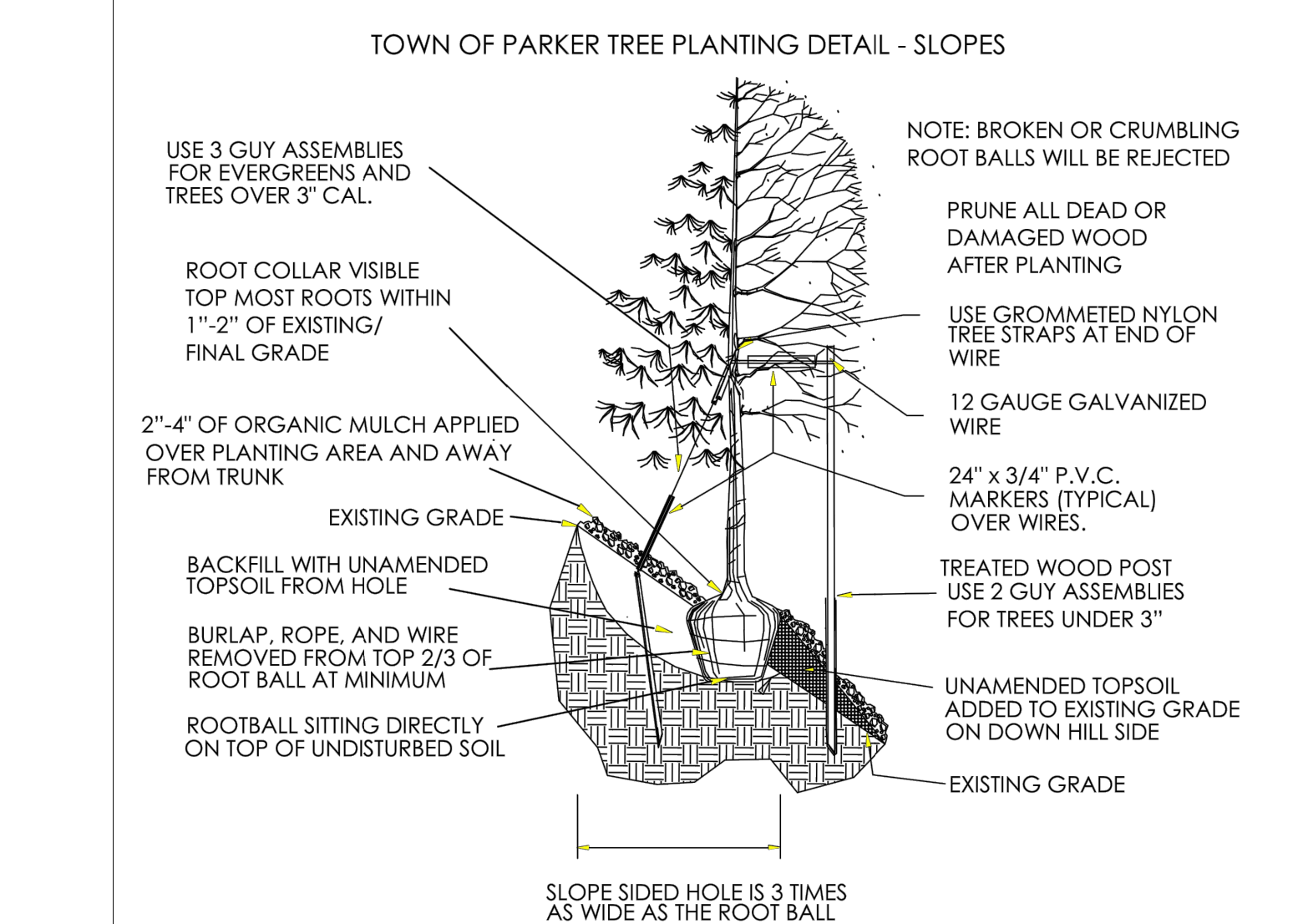
### 1 Tree Planting Detail

Scale: NTS



### 2 Shrub Planting Detail

Scale: NTS



### 3 Tree on Slope Planting Detail

Scale: NTS

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**LANDSCAPE REQUIREMENTS**  
Sheet Number

A. OVERALL INTERNAL LANDSCAPE												
INTERNAL LANDSCAPE AREA (SF)	TOTAL SF	TREE REQUIREMENT 1/1500 SF			SHRUB REQUIREMENT 5/1500 SF			EQUIVALENT CALCULATION				
		REQUIRED	PROVIDED	SURPLUS / DEFICIT	REQUIRED	PROVIDED	SURPLUS / DEFICIT	Grasses available for Equivalents	Shrubs available for Equivalents	Trees available for Equivalents	Provided Trees with Equivalents	Provided Shrubs with Equivalents
		121083	81	112	31	404	494	90	-	-	-	112

\*Streetscape tree counts have been removed from this calculation.

B. STREETScape LANDSCAPE												
LOCATION	LENGTH	TREE REQUIREMENT 1/40 LF			SHRUB REQUIREMENT			EQUIVALENT CALCULATION				
		REQUIRED	PROVIDED*	SURPLUS / DEFICIT	REQUIRED	PROVIDED	SURPLUS / DEFICIT	Grasses available for Equivalents	Shrubs available for Equivalents	Trees available for Equivalents	Provided Trees with Equivalents	Provided Shrubs with Equivalents
BUNNY HOP LANE	1405	36	36	0	N/A			-	-	-	36	-
RACoon TRAIL WAY	220	6	6	0	N/A			-	-	-	6	-
DEERTRACK LANE	845	22	22	0	N/A			-	-	-	22	-

\*Street trees have been provided 40' on center where possible. Sight triangles and utilities do not allow for street trees in some locations.

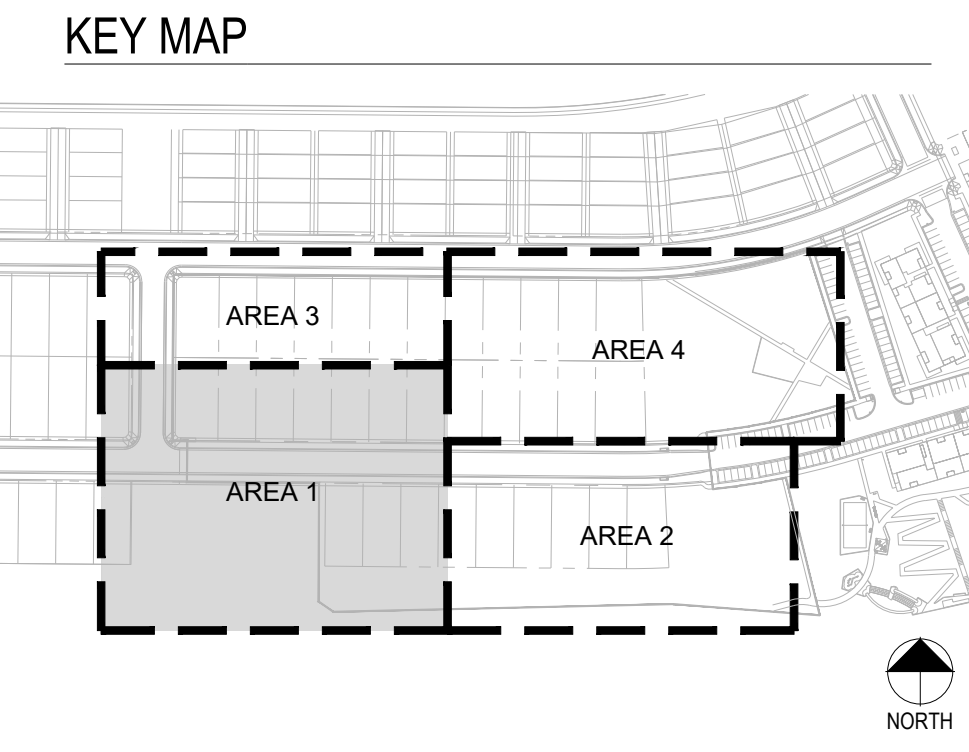
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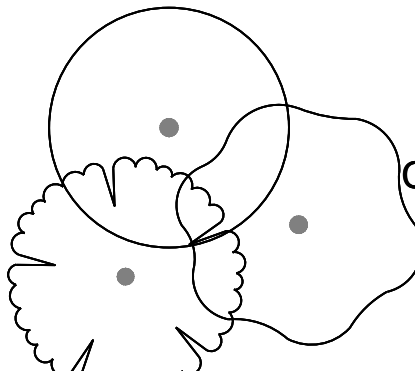
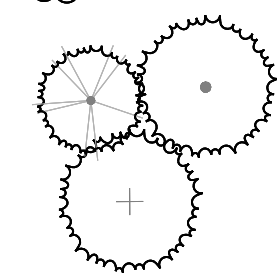
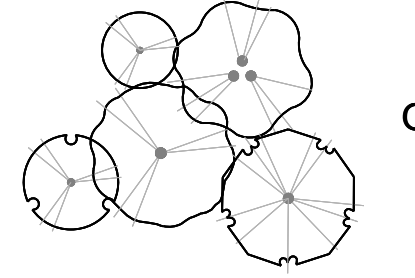
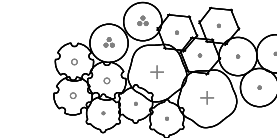
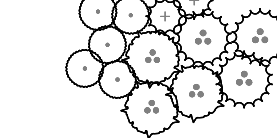

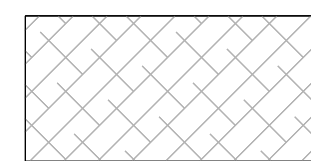
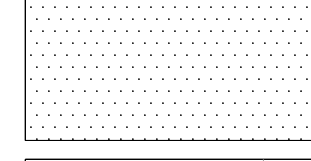
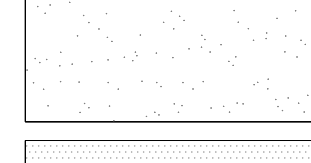

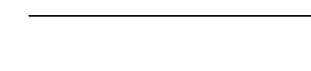
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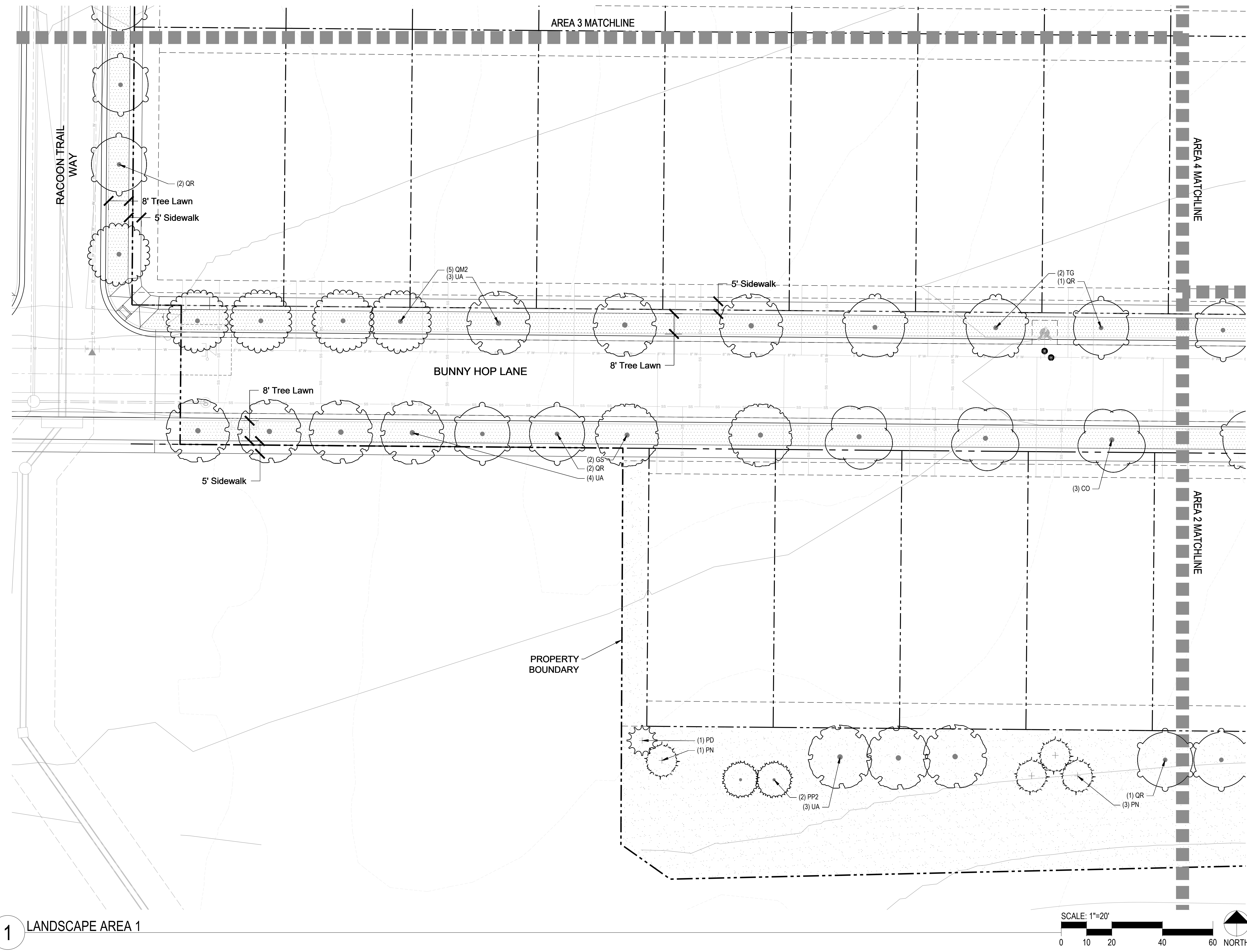
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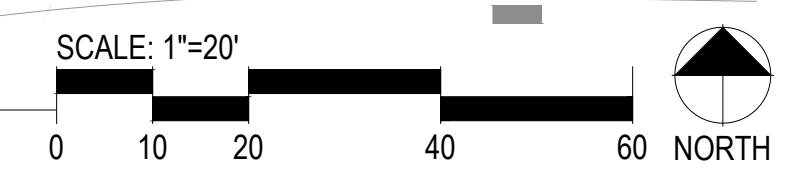


### LEGEND

-  CANOPY TREE
-  EVERGREEN TREE
-  ORNAMENTAL TREE
-  DECIDUOUS SHRUBS
-  EVERGREEN SHRUBS
-  ORNAMENTAL GRASSES
-  WOOD MULCH
-  SOD
-  SEED
-  FIBAR SURFACE
-  PERFORATED EDGER



1 LANDSCAPE AREA 1



## COMPARK VILLAGE SOUTH LANDSCAPE PLANS AND MASTER STREET TREE PLANS PARKER, CO

Stamp:

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AML  
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Issue Date:  
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TOWN OF PARKER

Revisions	Date
1st Town of Parker Review	03-02-22
2nd Town of Parker Review	05-05-22
3rd Town of Parker Review	06-27-22

Sheet Name  
**LANDSCAPE  
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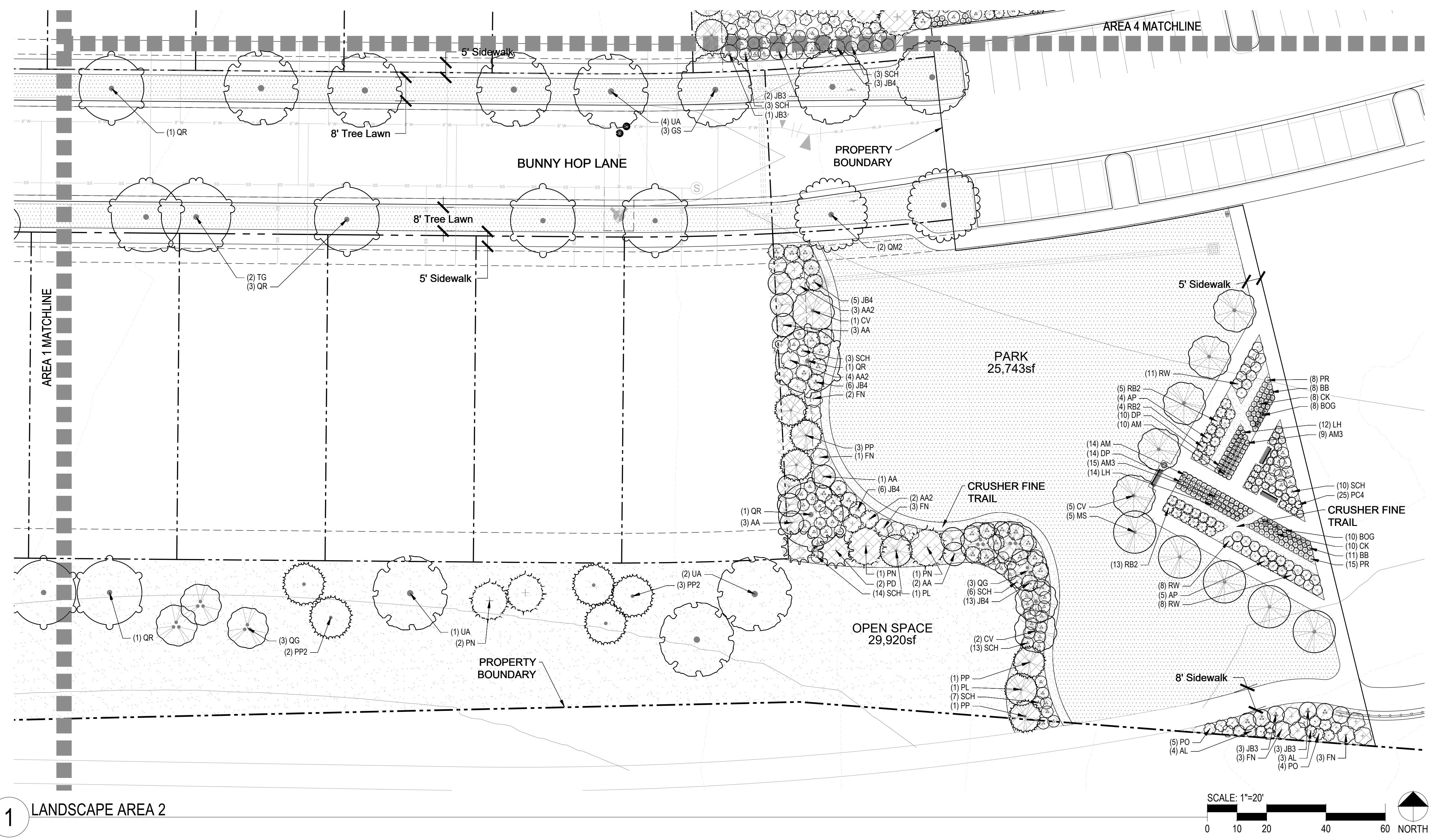
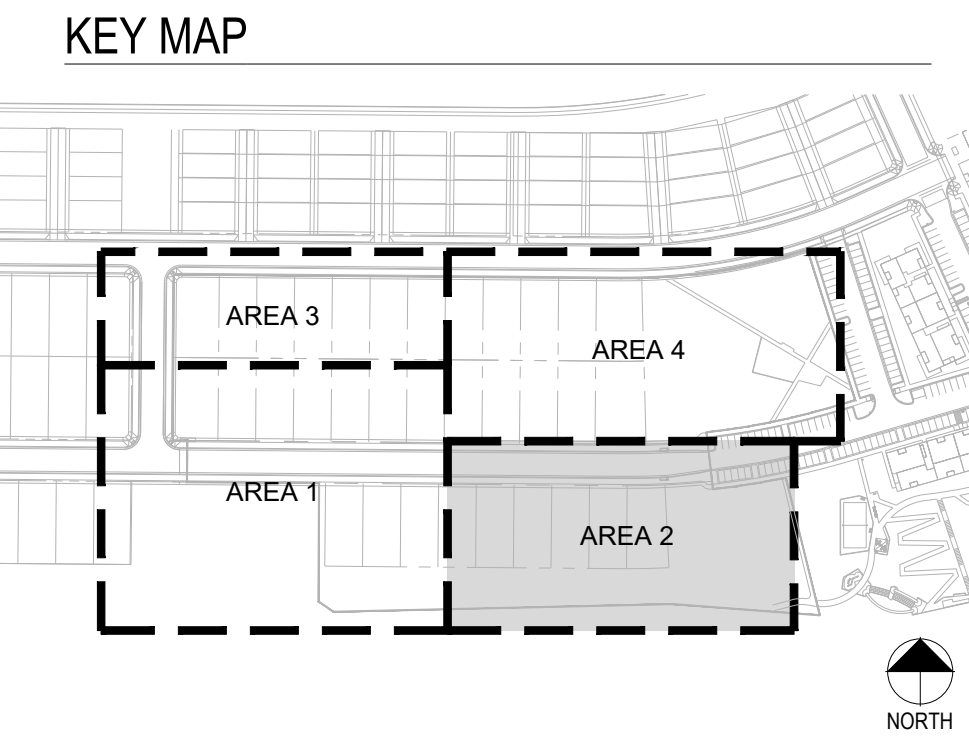
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RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN,  
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO  
7.69 ACRES, 33 RESIDENTIAL LOTS

Prepared For  
CENTURY LAND HOLDINGS, LLC  
8390 EAST CRESCENT PKWY  
SUITE 650  
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(303) 770-8300

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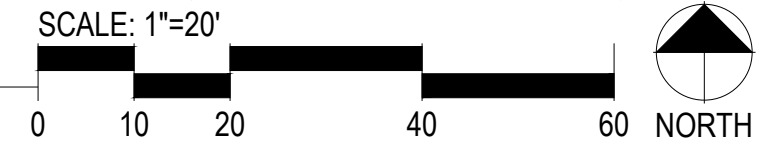
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### LEGEND

- CANOPY TREE
- EVERGREEN TREE
- ORNAMENTAL TREE
- DECIDUOUS SHRUBS
- EVERGREEN SHRUBS
- ORNAMENTAL GRASSES
- WOOD MULCH
- SOD
- SEED
- FIBAR SURFACE
- PERFORATED EDGER

1 LANDSCAPE AREA 2



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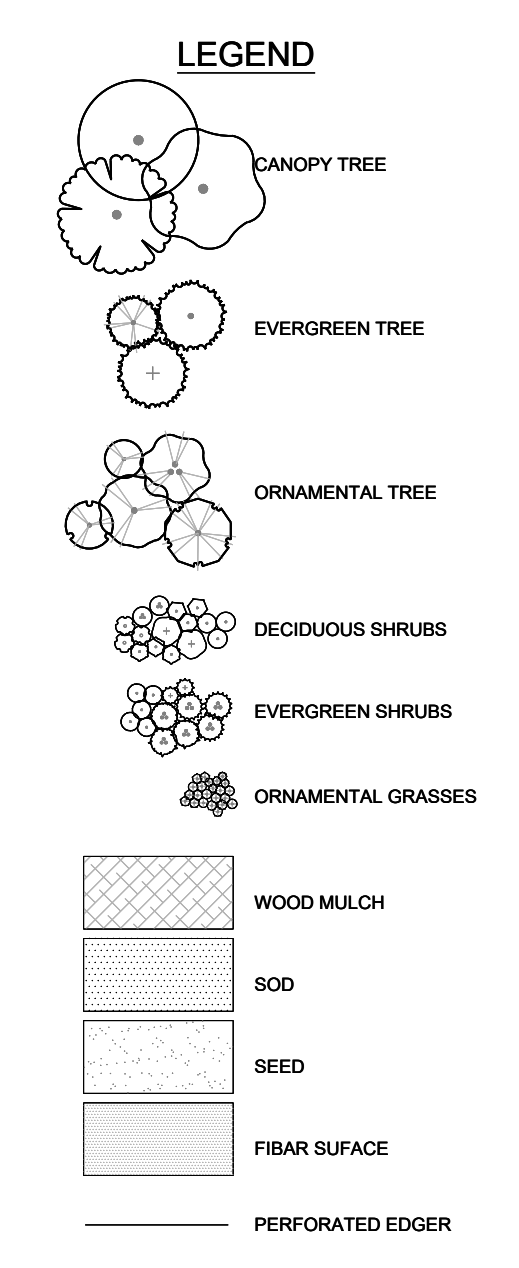
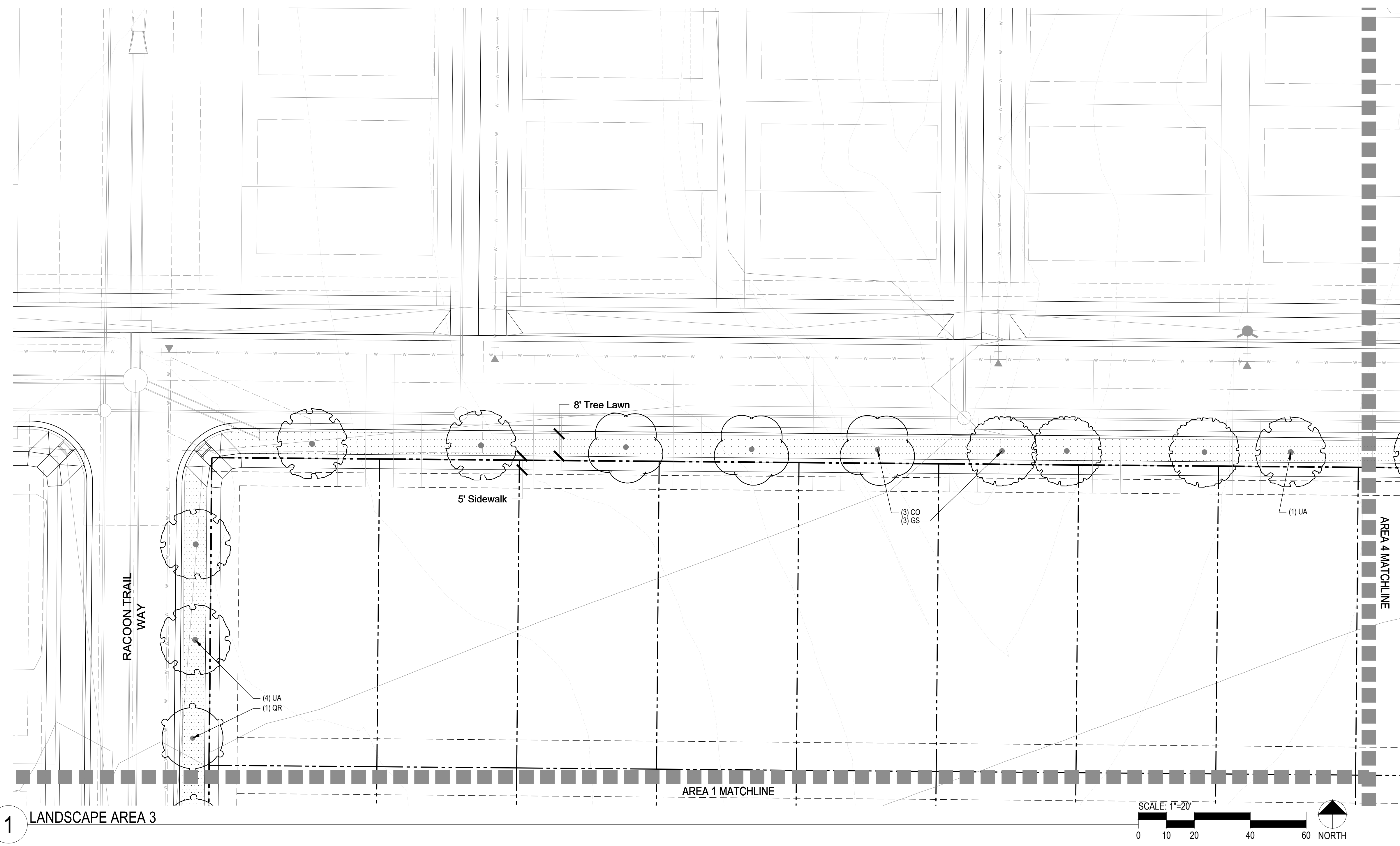
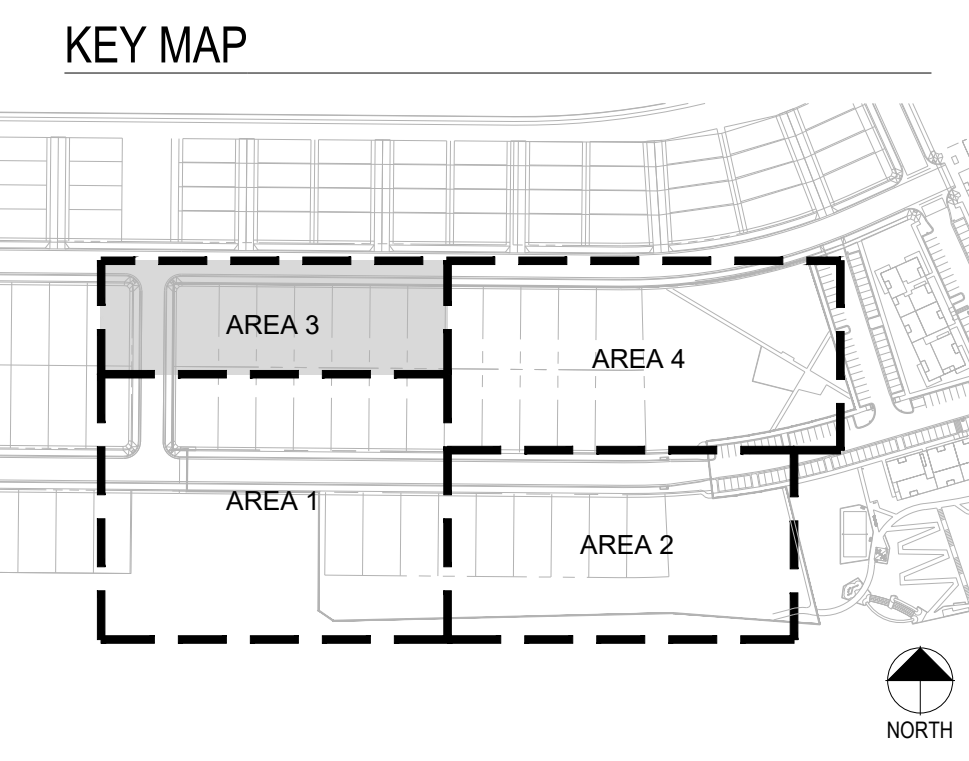
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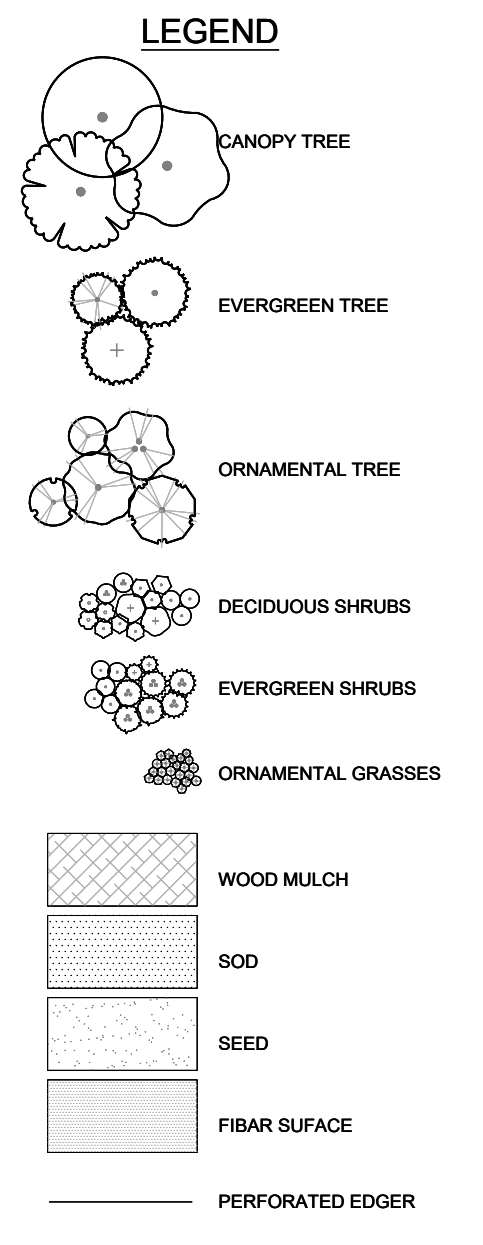
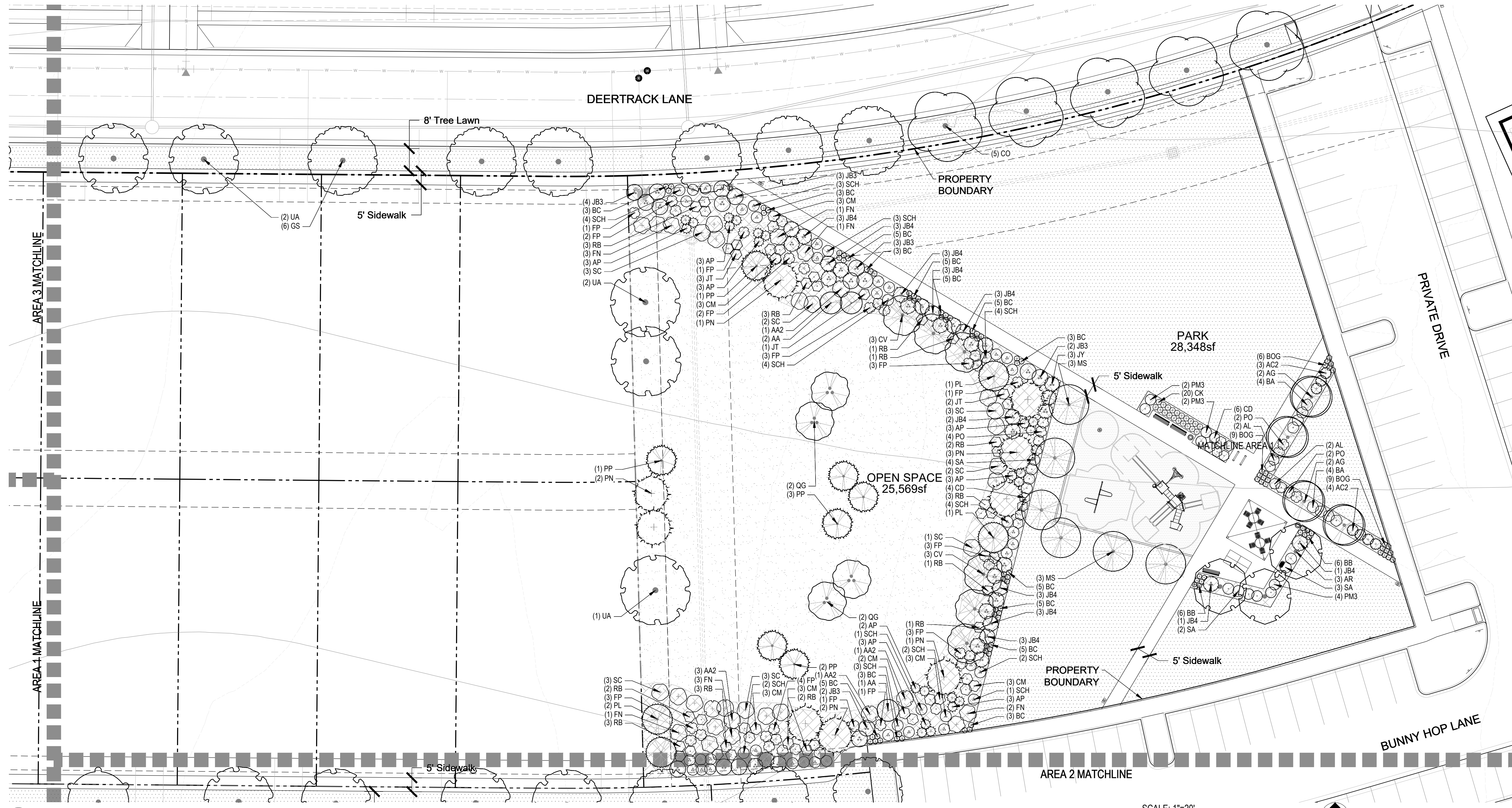
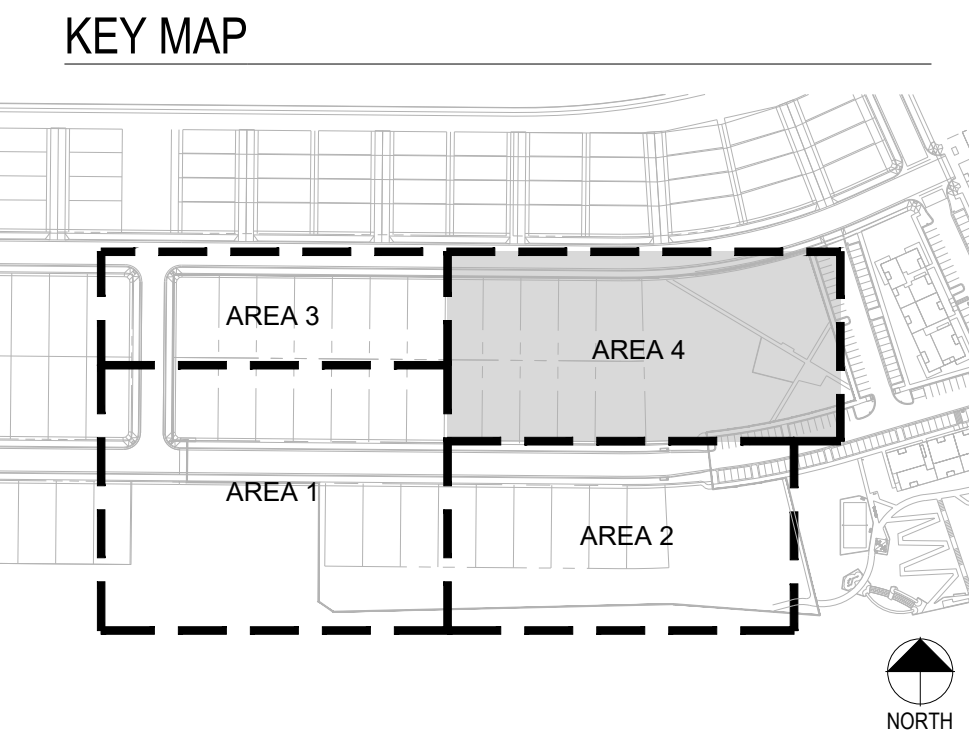
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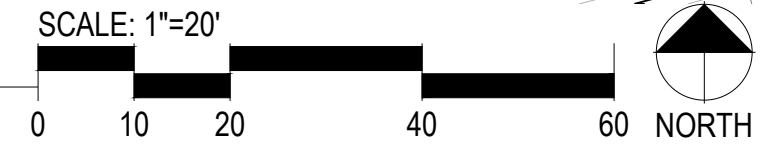
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1 LANDSCAPE AREA 4



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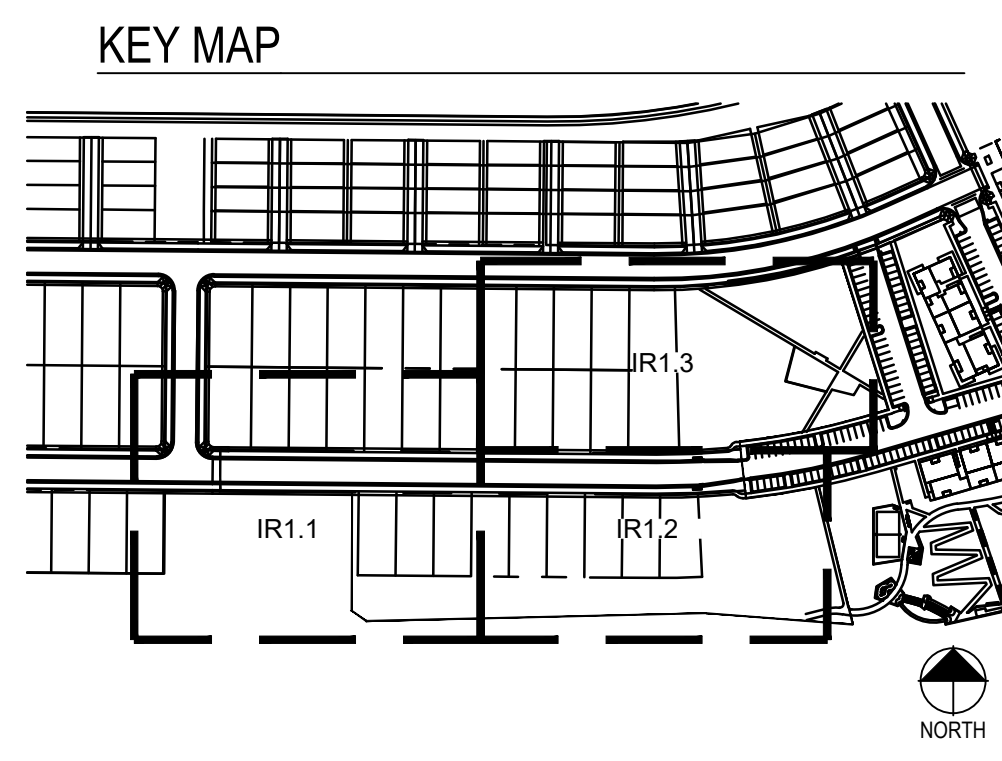
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PRELIMINARY NOT FOR  
BIDDING OR CONSTRUCTION

## IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER PROS-06-PRS30-CV 5' STRIP SPRAY TURF SPRAY, 30 PSI REGULATED 6.0" POP-UP, WITH FACTORY INSTALLED DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	30		DRIP VALVE ASSEMBLY HUNTER ICZ-101-25; DRIP CONTROL ZONE KIT. 1" ICV GLOBE VALVE WITH 1" HY100 FILTER SYSTEM. PRESSURE REGULATION: 25PSI. FLOW RANGE: 2 GPM TO 20 GPM. 150 MESH STAINLESS STEEL SCREEN.
	HUNTER PROS-06-PRS30-CV 8' RADIUS TURF SPRAY, 30 PSI REGULATED 6.0" POP-UP, WITH FACTORY INSTALLED DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	30		DRIP FLUSH VALVE 3/4" PVC BALL VALVE
	HUNTER PROS-06-PRS30-CV 10' RADIUS TURF SPRAY, 30 PSI REGULATED 6.0" POP-UP, WITH FACTORY INSTALLED DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	30	<b>SYMBOL</b>	<b>MANUFACTURER/MODEL/DESCRIPTION</b>
	HUNTER PROS-06-PRS30-CV 12' RADIUS TURF SPRAY, 30 PSI REGULATED 6.0" POP-UP, WITH FACTORY INSTALLED DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	30		REMOTE CONTROL VALVE ASSEMBLY HUNTER ICV-G-FS: 1", 1-1/2", 2", AND 3" PLASTIC ELECTRIC REMOTE CONTROL VALVES. GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE. WITH FILTER SENTRY.
	HUNTER PROS-06-PRS30-CV 15' RADIUS TURF SPRAY, 30 PSI REGULATED 6.0" POP-UP, WITH FACTORY INSTALLED DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	30		QUICK COUPLER VALVE ASSEMBLY HUNTER HO-SRC; VALVE WITH YELLOW RUBBER COVER, RED BRASS AND STAINLESS STEEL, WITH 1" NPT INLET, 1-PIECE BODY.
	HUNTER PROS-06-PRS30-CV 17' RADIUS TURF SPRAY, 30 PSI REGULATED 6.0" POP-UP, WITH FACTORY INSTALLED DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	30		ISOLATION GATE VALVE ASSEMBLY MATCO-NORCA 514TX: 1/2"-4" BRASS GATE VALVE, FULL PORT, WITH SOLID WEDGE. IPS. CROSS HANDLE. SAME SIZE AS MAINLINE PIPE.
	HUNTER MP CORNER PROS-06-PRS40-CV TURF ROTATOR, 6" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. T=TURQUOISE ADJ ARC 45-105.	40		MASTER VALVE ASSEMBLY-PRESSURE REGULATING BUCKNER-SUPERIOR 3100-PRV, NORMALLY OPEN BRASS MASTER VALVE THAT PROVIDES DIRTY WATER PROTECTION. SIZE TO MATCH POC. REGULATE PRESSURE
	HUNTER MP1000 PROS-06-PRS40-CV TURF ROTATOR, 6" POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. M=MAROON ADJ ARC 90 TO 210, L=LIGHT BLUE 210 TO 270 ARC, O=OLIVE 360 ARC.	40		REDUCED PRESSURE BACKFLOW PREVENTER FEBCO 825YA; SIZED TO MATCH POC METER SIZE. REDUCED PRESSURE BACKFLOW PREVENTER IN STRONG BOX SBBC-30AL; LOW PROFILE BACKFLOW ENCLOSURE, WITH MARINE GRADE ALUMINUM. 30"L, 30"H, 16.25"W (76.2CM L, 76.2CM H, 41.275CM W).
	HUNTER MP2000 PROS-06-PRS40-CV TURF ROTATOR, 6" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC.	40		PEDESTAL MOUNT 2-WIRE CONTROLLER HUNTER PED-SS-A2C-75D-SS-75-STATION DECODER CONTROLLER IN AN OUTDOOR STAINLESS STEEL PEDESTAL. INSTALL WIRELESS RAIN SENSOR AND SOLAR SYNC
	HUNTER MP3000 PROS-06-PRS40-CV TURF ROTATOR, 6" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. B=BLUE ADJ ARC 90-210, Y=YELLOW ADJ ARC 210-270, A=GRAY 360 ARC.	40		CREATIVE SENSOR TECHNOLOGY FSI-T 1.5" PVC TEE TYPE FLOW SENSOR W/SOCKET ENDS, CUSTOM MOUNTING TEE AND ULTRA-LIGHTWEIGHT IMPELLER ENHANCES LOW FLOW MEASUREMENT. 2 WIRE DIGITAL OUTPUT. FLOW RANGE: .86-52 GPM.
	HUNTER MP3500 PROS-06-PRS40-CV TURF ROTATOR, 6.0" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. LB=LIGHT BROWN ADJUSTABLE ARC, 90-210.	40		IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 PVC CLASS 200 IRRIGATION PIPE. ONLY LATERAL TRANSITION PIPE SIZES 1 1/4" AND ABOVE ARE INDICATED ON THE PLAN, WITH ALL OTHERS BEING 1" IN SIZE.
	HUNTER MP800SR PROS-06-PRS40-CV TURF ROTATOR, 6.0" POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. ADJ=ORANGE AND GRAY ( ARC 90-210), 360=LIME GREEN AND GRAY (ARC 360)	40		PLANTING BED DRIP IRRIGATION LATERAL LINE: 3/4-INCH BLANK UV RADIATION RESISTANT POLYETHYLENE PIPE TO SINGLE OUTLET EMITTERS PER ADJACENT EMITTER CHART.
	HUNTER I-20-06-SS TURF ROTOR, 6.0" POP-UP, ADJUSTABLE AND FULL CIRCLE. STAINLESS STEEL RISER, DRAIN CHECK VALVE. STANDARD NOZZLE. I-20 ROTORS IN NATIVE SEED AREAS SHALL BE PLASTIC RISERS	45		NATIVE PLANTING DRIP IRRIGATION LATERAL LINE: 3/4-INCH BLANK UV RADIATION RESISTANT POLYETHYLENE PIPE TO TREE RINGS, NETAFIM INLINE DRIP TUBING MODEL TLCV6-18, AND SINGLE OUTLET EMITTERS FOR SHRUBS PER ADJACENT EMITTER CHART
	HUNTER I-20-06-SS TURF ROTOR, 6.0" POP-UP, ADJUSTABLE AND FULL CIRCLE. STAINLESS STEEL RISER, DRAIN CHECK VALVE. STANDARD NOZZLE. I-20 ROTORS IN NATIVE SEED AREAS SHALL BE PLASTIC RISERS	45		IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 X-INCH UNLESS OTHERWISE NOTED.
	HUNTER I-20-06-SS TURF ROTOR, 6.0" POP-UP, ADJUSTABLE AND FULL CIRCLE. STAINLESS STEEL RISER, DRAIN CHECK VALVE. STANDARD NOZZLE. I-20 ROTORS IN NATIVE SEED AREAS SHALL BE PLASTIC RISERS	45		PIPE SLEEVE: PVC SCHEDULE 40 INSTALL AS SHOWN ON DESIGN OR TWICE THE SIZE OF THE PIPE OR WIRE RUNNING THRU IT. NO TWO PIPES OR WIRE BUNDLES SHALL SHARE THE SAME SLEEVE.
	HUNTER I-25-06-SS TURF ROTOR, 6" POP-UP, ADJUSTABLE AND FULL CIRCLE. STAINLESS STEEL RISER, DRAIN CHECK VALVE. STANDARD NOZZLE.	50		Valve Callout # Valve Number # Valve Flow # Valve Size
	HUNTER I-25-06-SS TURF ROTOR, 6" POP-UP, ADJUSTABLE AND FULL CIRCLE. STAINLESS STEEL RISER, DRAIN CHECK VALVE. STANDARD NOZZLE.	50		
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	HUNTER I-25-06-SS TURF ROTOR, 6" POP-UP, ADJUSTABLE AND FULL CIRCLE. STAINLESS STEEL RISER, DRAIN CHECK VALVE. STANDARD NOZZLE.	50		
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	HUNTER I-25-06-SS TURF ROTOR, 6" POP-UP, ADJUSTABLE AND FULL CIRCLE. STAINLESS STEEL RISER, DRAIN CHECK VALVE. STANDARD NOZZLE.	50		



## INSTALLATION GENERAL NOTES

- DESIGN ASSUMES A MINIMUM DYNAMIC PRESSURE AVAILABLE FOR THE IRRIGATION SYSTEM (PER CITY ENGINEER) OF 103 PSI, AT A MAXIMUM PEAK FLOW OF 40 GPM AT THE 1.5-INCH POINT-OF-CONNECTION (POC). VERIFY PRESSURE AND FLOW ON SITE PRIOR TO CONSTRUCTION. CONTACT GENERAL CONTRACTOR OR OWNER'S REPRESENTATIVE IMMEDIATELY IF FLOW OR PRESSURE ARE LOWER THAN LISTED ABOVE.
- ALL MAINLINES SHALL BE INSTALLED AT LEAST 5' FROM CENTER OF TREES, WHERE POSSIBLE. DESIGN IS SHOWN FOR CLARITY, THUS MAINLINE ROUTING IN FIELD MAY LOOK SLIGHTLY DIFFERENT THAN DEPICTED IN DRAWINGS.
- CONTRACTOR SHALL CREATE A LAMINATED CONTROLLER CHART ADHERED TO THE INSIDE OF THE CONTROLLER COVER OR A LAMINATED COLORED CONTROLLER MAP.
- CONTRACTOR SHALL BECOME FAMILIAR WITH THE SPECIFICATIONS AND INSTALLATION DETAILS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION. FOR CLARIFICATION, CONTACT IRRIGATION DESIGNER PRIOR TO CONSTRUCTION.
- UPON FINAL ACCEPTANCE, CONTRACTOR SHALL TURN OVER REQUIRED ADJUSTMENT KEYS INCLUDING BUT NOT LIMITED TO CONTROLLER ENCLOSURE AND BACKFLOW ENCLOSURE KEY, LOCKING VALVE BOX KEYS, QUICK COUPLER KEYS, GATE VALVE KEY, SPRINKLER HEAD AND NOZZLE ADJUSTMENT KEYS.
- UPON FINAL ACCEPTANCE, CONTRACTOR SHALL TURN OVER SPARE PARTS PERTAINING TO INSTALLED SYSTEM: BACKFLOW WINTERIZATION INSERT, TWO OF EVERY HEAD AND NOZZLE (ROTOR NOZZLE TREE INCLUDED), ONE RCV DIAPHRAGM, ETC.
- COORDINATE UTILITY LOCATES OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION ("811-CALL BEFORE YOU DIG").
- IF DISCREPANCIES ARE NOTED IN THE FIELD BETWEEN SITE CONDITIONS AND PROVIDED DESIGNS, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE OR GENERAL CONTRACTOR IMMEDIATELY. DO NOT PROCEED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM IF SUCH DISCREPANCIES IN THE FIELD AFFECT THE PROVIDED DESIGN, DETAILS, OR SPECIFICATIONS.
- ALL IRRIGATION COMPONENTS (MAINLINE, WIRES, LATERAL LINES, ETC.) SHALL BE INSTALLED IN LANDSCAPED AREAS WHENEVER POSSIBLE, EVEN THOUGH SAID IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE PLANTING AREAS FOR CLARITY.
- AVOID CONFLICTS BETWEEN THE IRRIGATION SYSTEM, PLANTING MATERIALS, AND ARCHITECTURAL FEATURES WHENEVER POSSIBLE. COORDINATE POTENTIAL RELOCATION OF BOULDERS AND TREES IN TURF AREAS WITH LANDSCAPE ARCHITECT PRIOR TO SPRINKLER LAYOUT. IF LANDSCAPE MATERIAL CANNOT BE RELOCATED, ADDITIONAL SPRINKLERS MAY BE REQUIRED.
- WHERE POSSIBLE, MAINTAIN 3'-5' DISTANCE FROM CENTER OF TREE TO MAINLINE AND WIRES. VALVE BOXES SHALL BE AT LEAST 3' FROM TREE CENTER. MAINLINE ROUTING AND VALVE LOCATIONS ARE SHOWN FOR CLARITY AND MAY BE SHOWN WITHIN THE 3'-5' RANGE NOTED ABOVE.
- CROSS FITTINGS ARE NOT ALLOWED, ONLY STANDARD TEES AND ELBOWS.
- CONTRACTOR SHALL INSTALL NOZZLES PER PLAN, UNLESS IRRIGATED AREA CHANGED IN SIZE OR PLANT MATERIAL TYPE CHANGES. IF NOZZLE CHANGES ARE REQUIRED AND ARE SIGNIFICANT IN SIZE, CONTRACTOR SHALL CONTACT IRRIGATION DESIGNER FOR APPROVAL.
- CONTRACTOR SHALL FIELD LOCATE ANY EXISTING SLEEVES ON SITE PRIOR TO CONSTRUCTION WITH THE AID OF THE GENERAL CONTRACTOR. MISSING SLEEVES SHALL BE REPORTED IMMEDIATELY. NEW SLEEVES SHOWN ON PLANS ARE REQUIRED FOR BOTH PIPING AND ELECTRICAL WIRING AT EACH HARDSCAPE CROSSING. COORDINATE INSTALLATION OF SLEEVING WITH OTHER TRADES. ANY PIPE OR WIRE WHICH PASSES BENEATH EXISTING HARDSCAPE WHERE SLEEVING WAS NOT INSTALLED WILL REQUIRE HORIZONTAL BORING BY THE IRRIGATION CONTRACTOR.
- INSTALL ALL ELECTRICAL POWER TO THE IRRIGATION CONTROL SYSTEM IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES.
- THE FOLLOWING SHOULD BE NOTED REGARDING PIPE SIZING: IF A SECTION OF UNSIZED PIPE IS LOCATED BETWEEN THE IDENTICALLY SIZED SECTIONS, THE UNSIZED PIPE IS THE SAME NOMINAL SIZE AS THE TWO SIZED SECTIONS. THE UNSIZED PIPE SHOULD NOT BE CONFUSED WITH THE DEFAULT PIPE SIZE NOTED IN THE LEGEND.
- MAINLINE PIPE SIZES MAY VARY THROUGHOUT PROJECT. EACH MAINLINE LEG IS SIZED TO ACCOMMODATE LARGEST VALVE ON THAT LEG. STATED SIZE IN LEGEND MAY NOT BE THE LARGEST SIZE ON PLANS.
- TWO-WIRE CONTROL CABLE DOES NOT REQUIRE ADDITIONAL SPARE WIRES TO BE ROUTED WITH MAINLINE.
- TWO-WIRE CONTROL SURGE ARRESTORS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. ARRESTORS ARE NOT DEPICTED ON PLANS.
- TREES IN TURF ARE NOT IRRIGATED BY DRIP SYSTEM. DRIP LATERAL ROUTED NEAR TREES IN TURF ARE NOT TO RECEIVE DRIP IRRIGATION. TREES IN NATIVE SEED AREAS ARE IRRIGATED ON DRIP SYSTEM.
- VALVES FOR NATIVE SEED AREAS SHALL BE ON A SEPARATE PROGRAM.
- NATIVE SEED AREAS ARE TO BE IRRIGATED WITH A BELOW GRADE SYSTEM BUT UTILIZED FOR ESTABLISHMENT OF SEED. SYSTEM IS NOT INTENDED TO OPERATE BEYOND ESTABLISHMENT.
- NO IRRIGATION EQUIPMENT, INCLUDING BUT NOT LIMITED TO, MAINLINE, VALVES, AND SPRINKLERS, SHALL BE INSTALLED WITHIN 3' OF NEW BUILDING FOUNDATION.

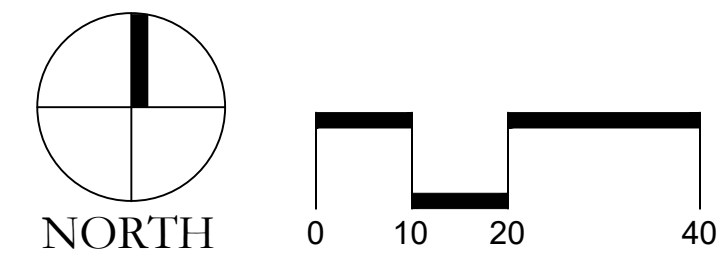
## REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION
[1]	THE IRRIGATION SYSTEM POINT-OF-CONNECTION (POC) SHALL BE DOWNSTREAM OF THE IRRIGATION WATER TAP AND METER AT THE APPROXIMATE LOCATION SHOWN (REFER TO CIVIL PLANS FOR EXACT LOCATION). INSTALL BACKFLOW PREVENTION UNIT, MASTER VALVE ASSEMBLY, AND FLOW SENSOR AS INDICATED. VERIFY EXACT LOCATION OF POC WITH OWNER'S REPRESENTATIVE. VERIFY PRESSURE AND FLOW ON SITE PRIOR TO CONSTRUCTION. CONTRACTOR TO INSTALL BACKFLOW PER NATIONAL PLUMBERS CODE AND PER LOCAL CODE. BACKFLOW SHALL BE TESTED UPON INSTALLATION AND ANNUALLY THEREAFTER.
[2]	PEDESTAL MOUNT THE IRRIGATION CONTROLLER AT THE APPROXIMATE LOCATION SHOWN. COORDINATE ELECTRICAL POWER TO THE CONTROLLER WITH THE OWNER'S REPRESENTATIVE. CARE SHOULD BE TAKEN TO INSTALL THE IRRIGATION CONTROLLER IN A LOCATION THAT IS ACCESSIBLE FOR MAINTENANCE, AND SCREENED FROM VIEW EITHER BEHIND ENTRY WALLS, NEXT TO BUILDINGS, OR BEHIND PLANT MATERIAL. FINAL LOCATION TO BE APPROVED BY OWNER'S REPRESENTATIVE. CONTROLLER TO BE INSTALLED PER NATIONAL ELECTRIC CODE.

## EMITTER SCHEDULE

PLANT TYPE	EMITTER TYPE	GPH/OUTLET	NO. OF EMITTERS	TOTAL FLOW
GROUND COVER	SINGLE OUTLET	1 GPH	1	1 GPH
PERENNIALS	SINGLE OUTLET	1 GPH	1	1 GPH
1 GAL. SHRUB	SINGLE OUTLET	1 GPH	1	1 GPH
5 GAL. SHRUB	SINGLE OUTLET	1 GPH	2	2 GPH
TREE IN SHRUB BED	SINGLE OUTLET	1 GPH	4-8	4-8 GPH
TREE IN NATIVE SEED	INLINE DRIP	0.6 GPH	N/A	N/A

- NOTES:
- MULTIPLE OUTLET EMITTERS CAN BE UTILIZED IN DENSELY PLANTED AREAS AND FOR TREES IN SHRUB BEDS.
  - NETAFIM TECHLINE CV DRIP TUBING MODEL TLCV6-18 FOR NATIVE TREE RINGS.



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CENTURY LAND HOLDINGS, LLC  
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COMPARK VILLAGE SOUTH  
IRRIGATION PLANS  
PARKER, CO

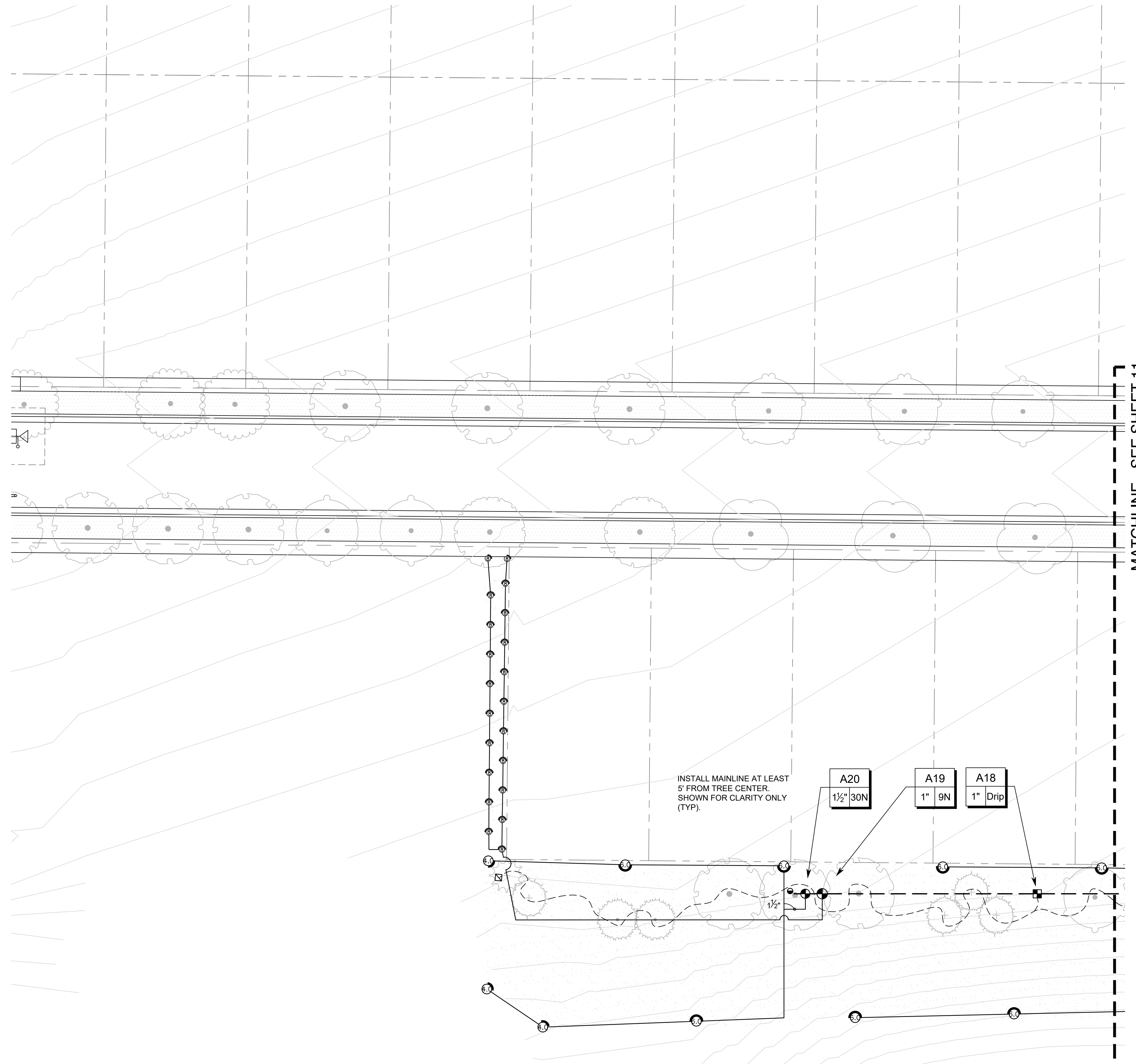
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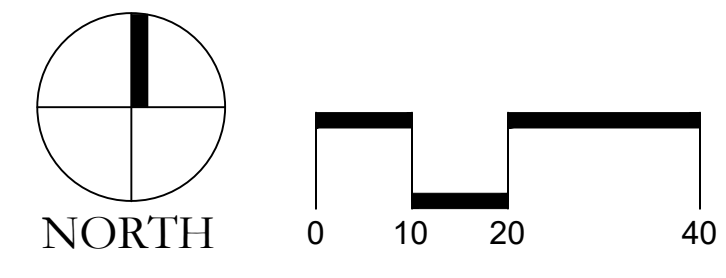
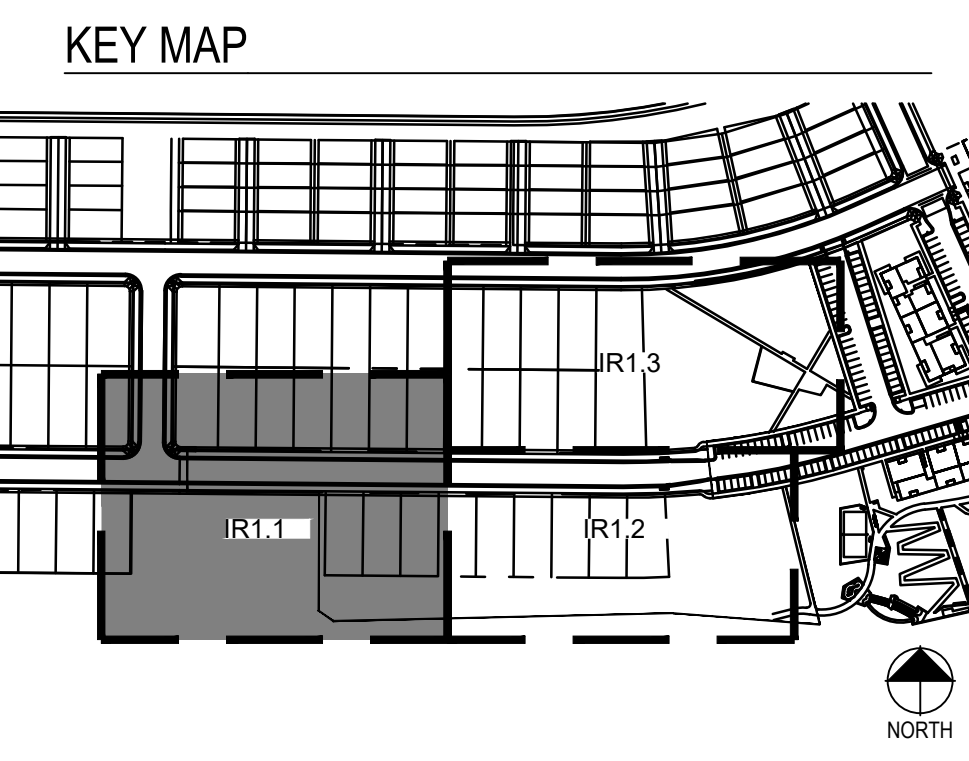
# COMPARK VILLAGE SOUTH PRELIMINARY PLAN

A PARCEL OF LAND LOCATED IN A PORTION OF THE SE OF SECTION 6, TOWNSHIP 6 SOUTH,  
RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN,  
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO  
7.69 ACRES, 33 RESIDENTIAL LOTS



MATCHLINE - SEE SHEET 11

**PRELIMINARY NOT FOR BIDDING OR CONSTRUCTION**



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**COMPARK VILLAGE SOUTH IRRIGATION PLANS**

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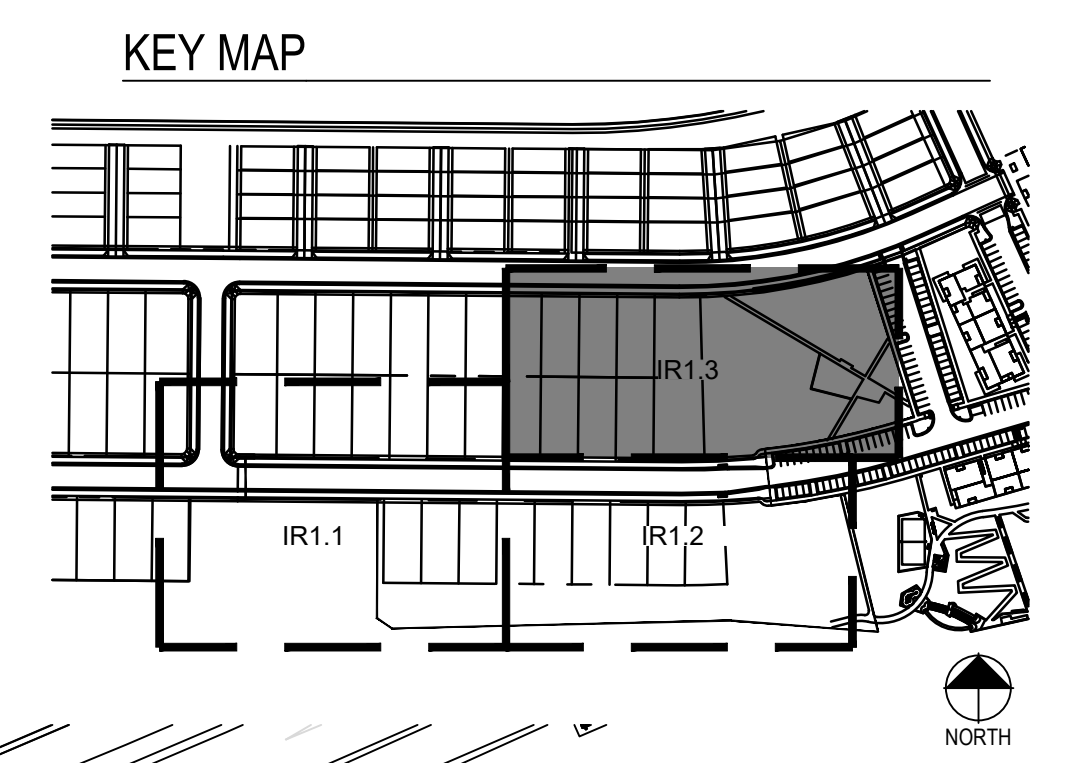
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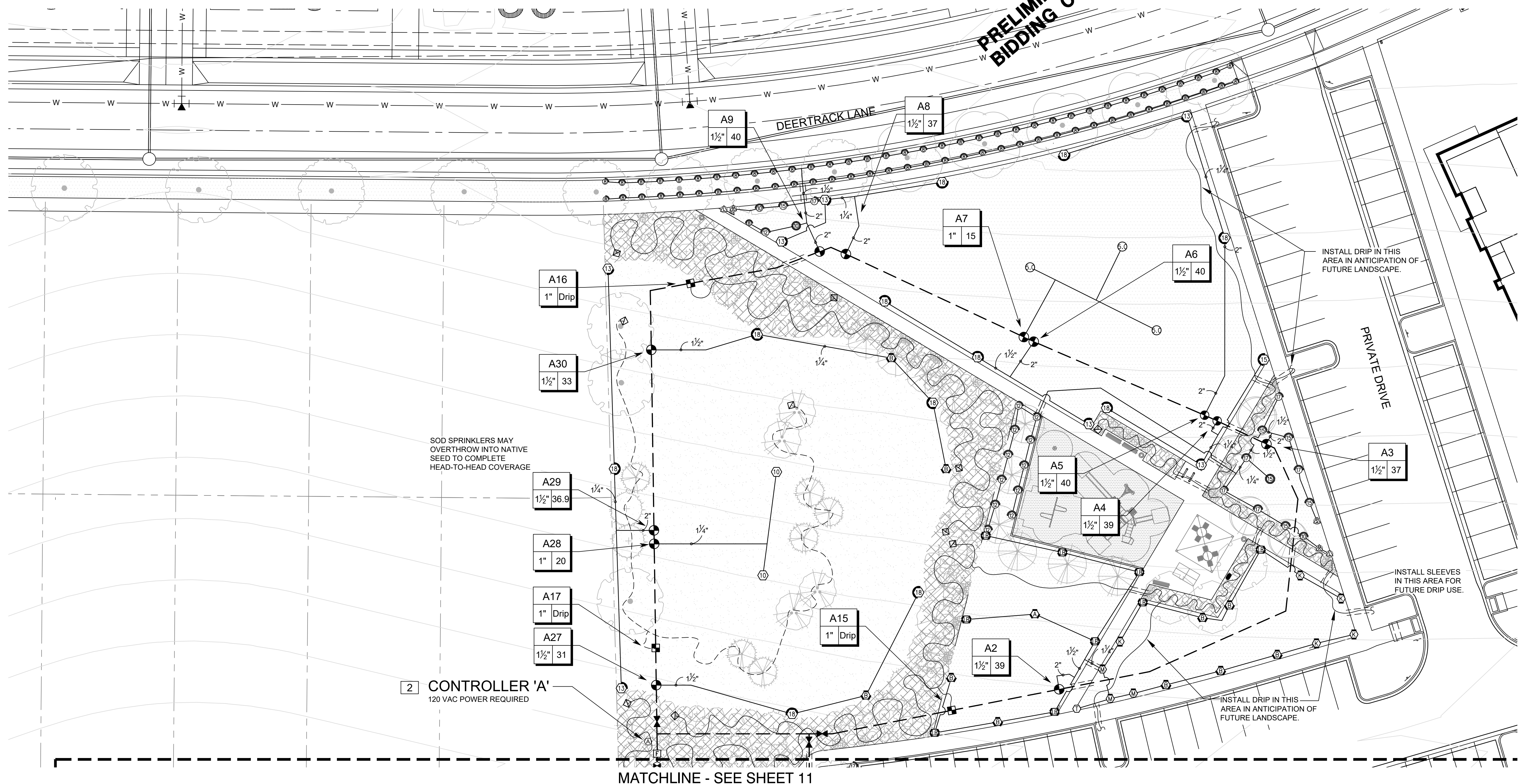
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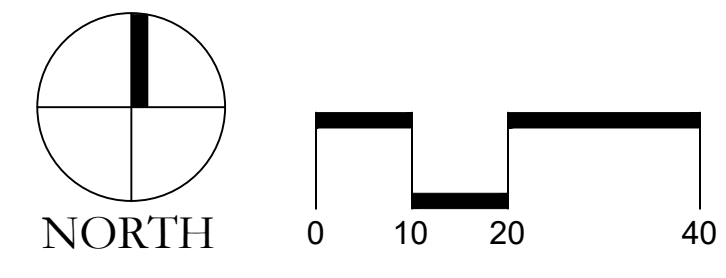


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**2** CONTROLLER 'A'  
120 VAC POWER REQUIRED

MATCHLINE - SEE SHEET 11



**COMPARK VILLAGE SOUTH  
IRRIGATION PLANS**

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# COMPARK VILLAGE SOUTH PRELIMINARY PLAN

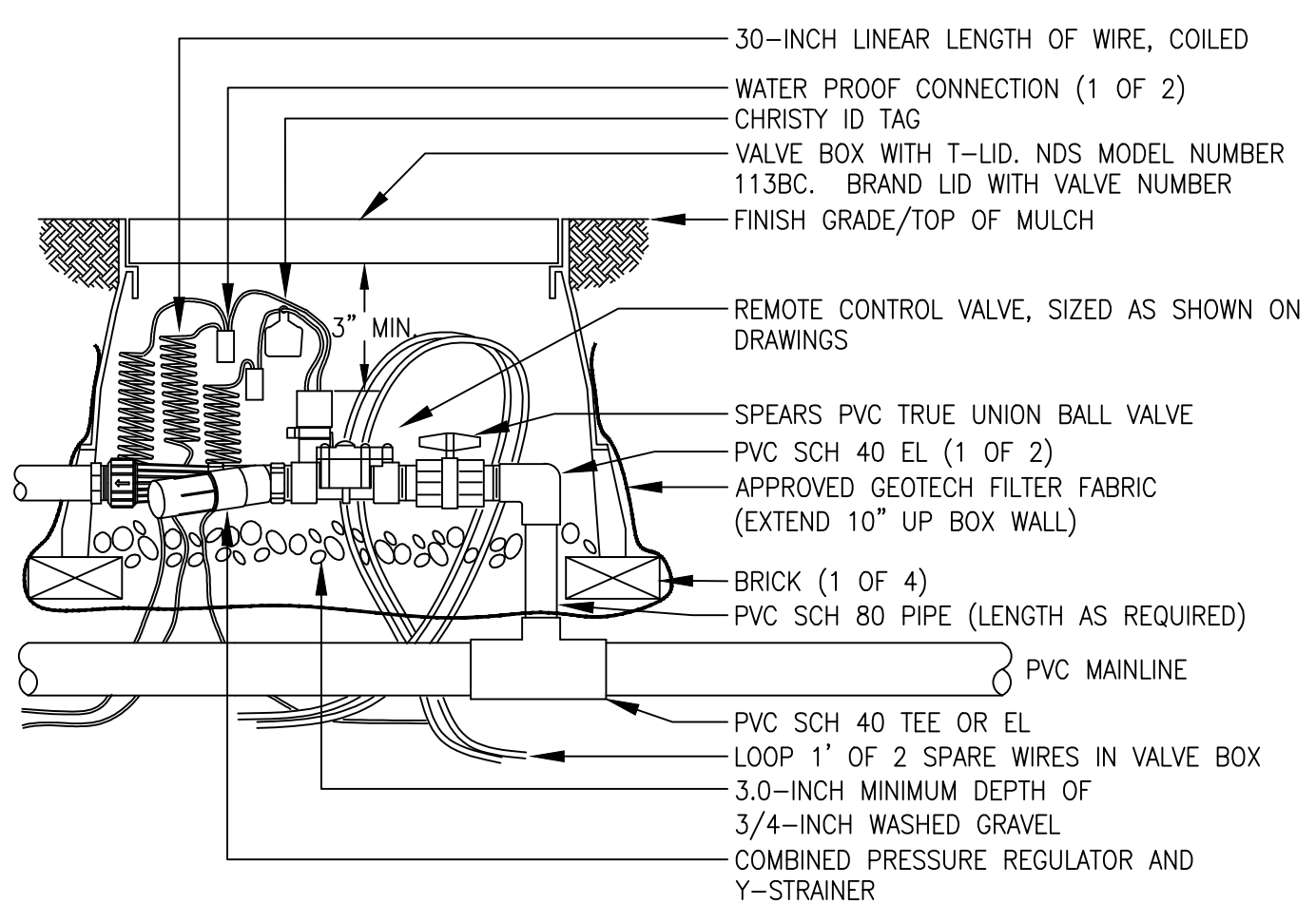
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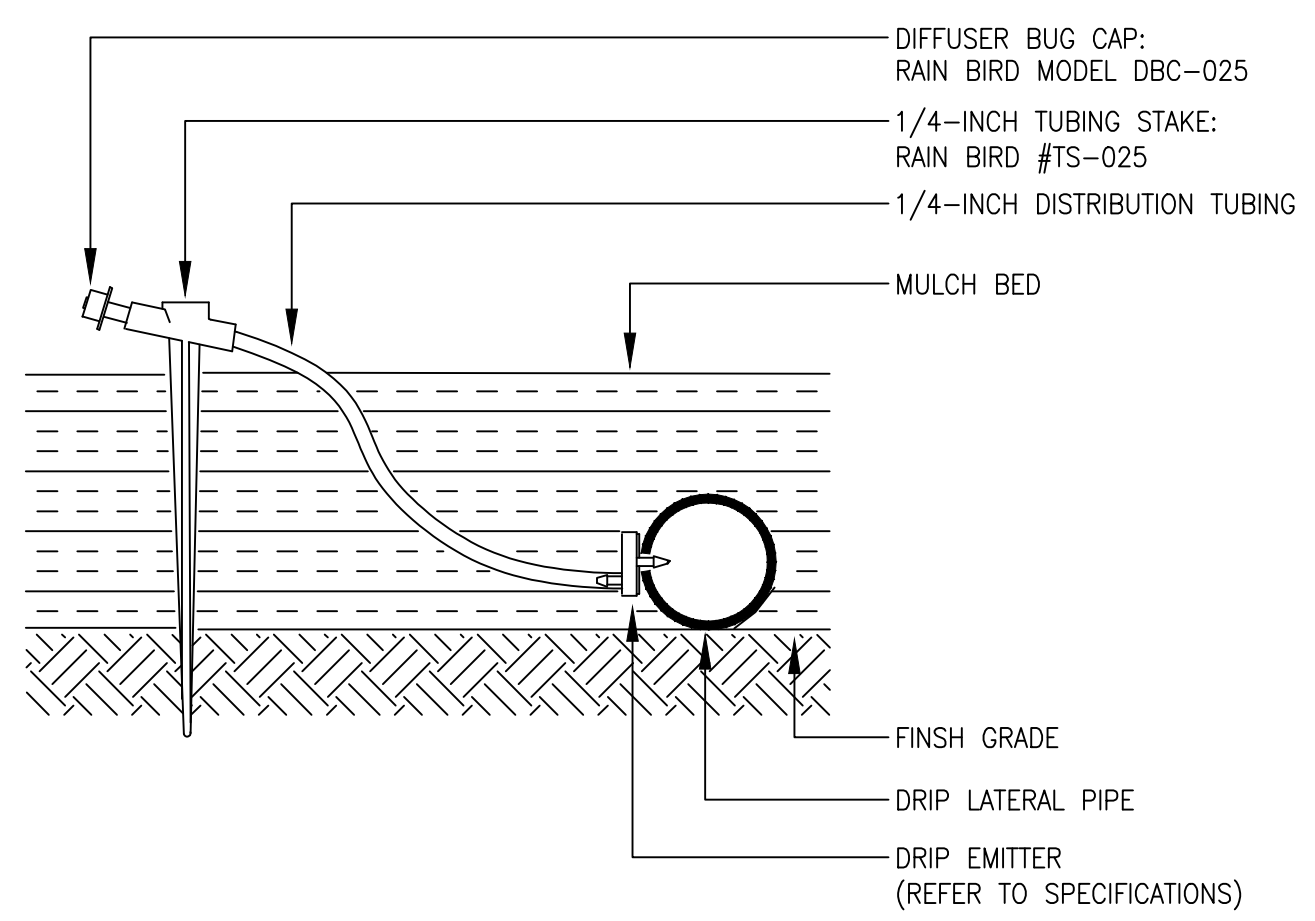
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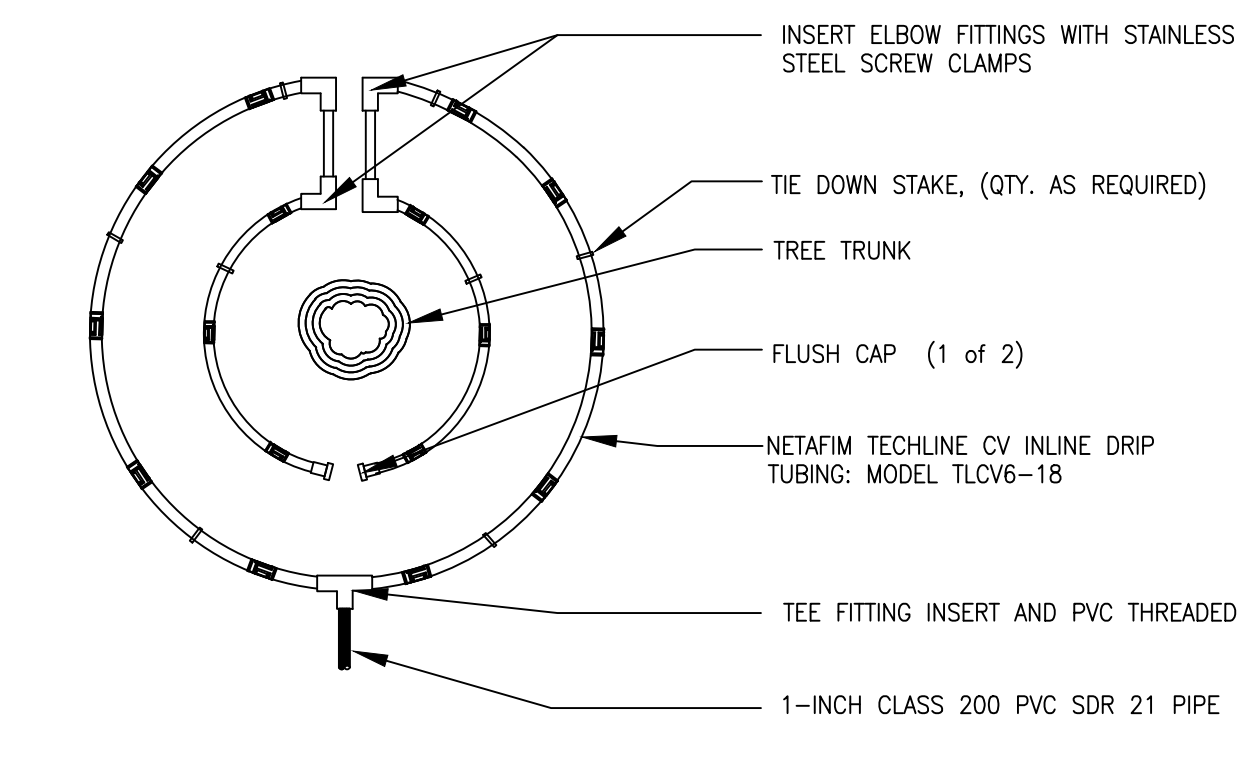


NOTE:  
1. USE BARBED INSERT FITTINGS ON DRIP LATERAL PIPE WITH HOSE CLAMPS. PLACE CLAMPS ON DRIP TUBING DIRECTLY OVER BARBED AREA OF FITTING. PINCH CLAMPS ARE NOT ACCEPTABLE.  
2. UTILIZE RAIN BIRF XCZ-LF-100-PRF FOR FLOWS LESS THAN 5 GPM.

**9 REMOTE CONTROL DRIP VALVE ASSEMBLY**

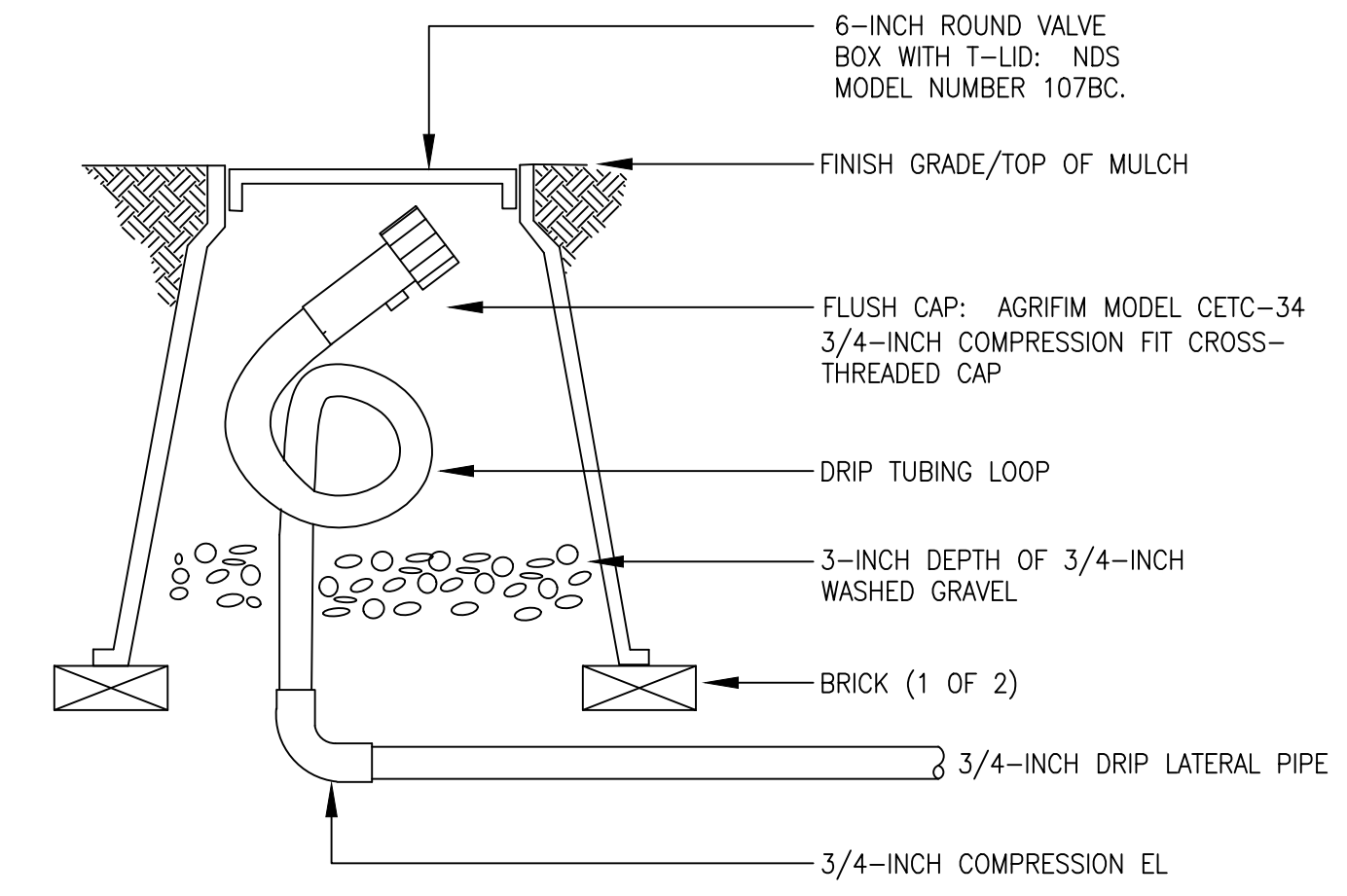


**10 SINGLE OUTLET EMITTER ASSEMBLY**



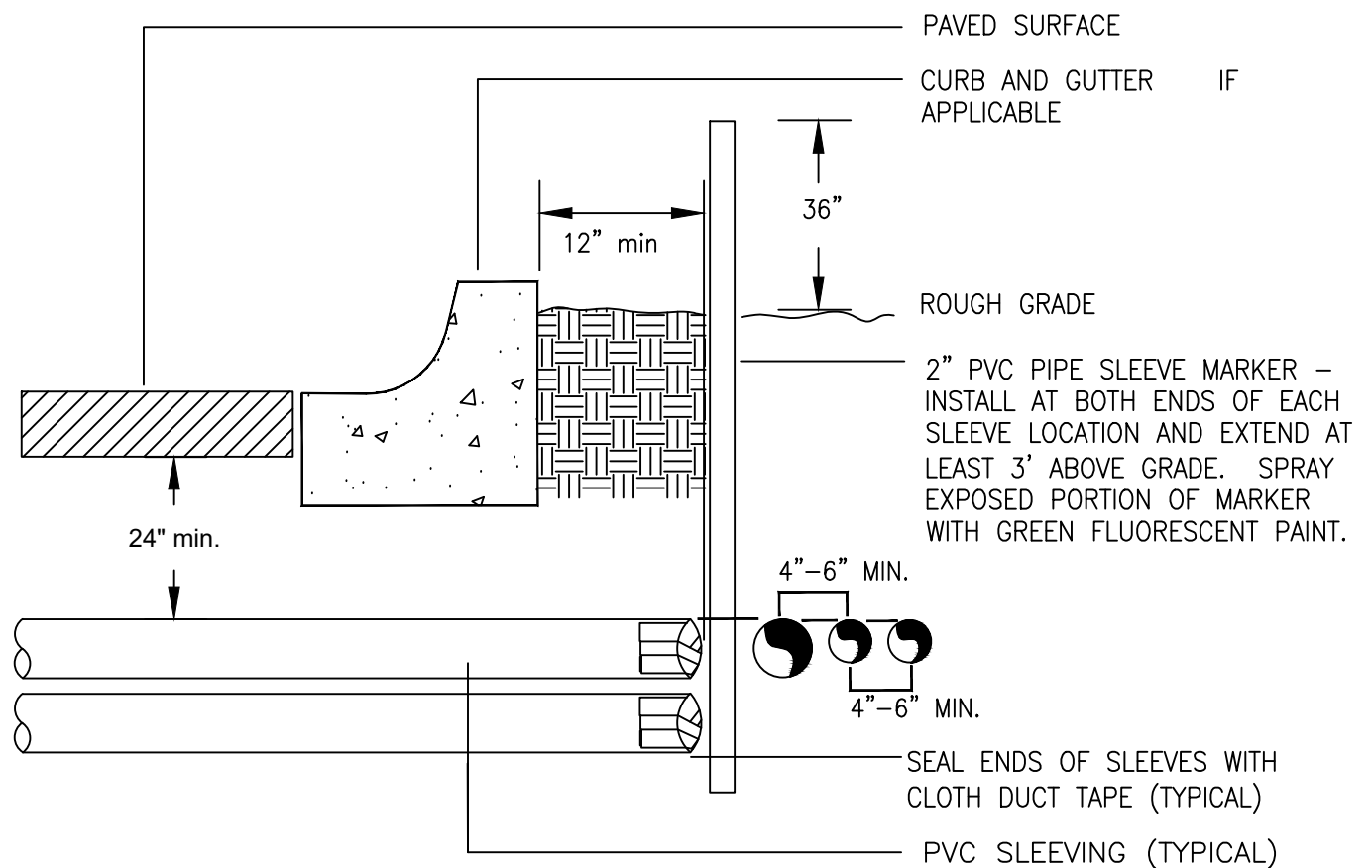
NOTE:  
1. CONTRACTOR SHALL INSTALL ALL DRIP TUBING IN NATIVE AREAS 2-3" BELOW GRADE IF MULCH IS NOT PRESENT. IF MULCH IS PRESENT, LAY TUBING ON FINISHED GRADE BELOW MULCH.  
2. DIAMETER OF DRIP LINE RINGS ARE DEPENDENT ON TREE CANOPY SIZE AND SHALL BE ADJUSTED IN THE FIELD PER CONTRACTOR. SUGGESTED PLACEMENT OF 2' DIAMETER AND 3' DIAMETER AROUND TREE.  
3. SHRUBS IN NATIVE SHALL UTILIZE SINGLE OUTLET EMITTERS.

**11 INLINE DRIP PIPE ASSEMBLY FOR TREES IN NATIVE**



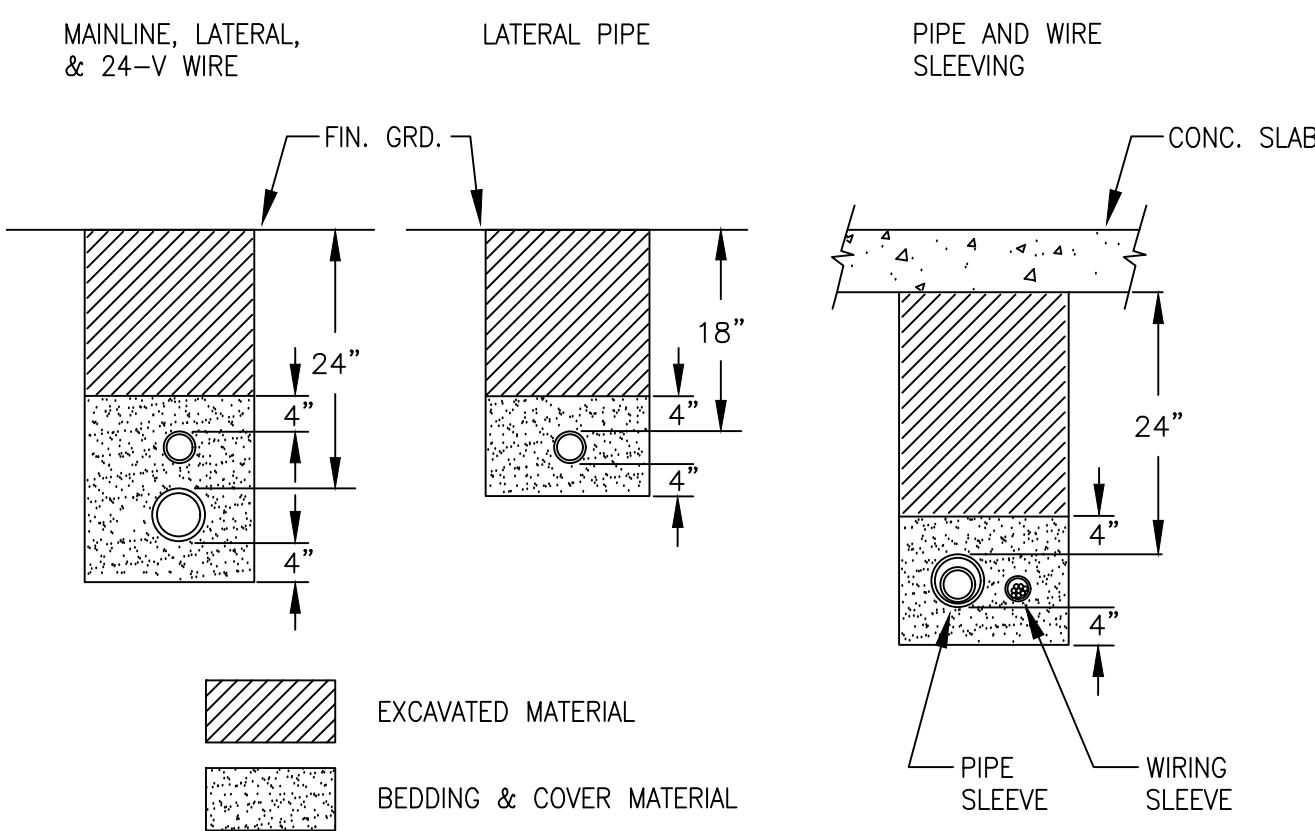
NOTE:  
1. LOOP IRRIGATION DRIP TUBING INSIDE VALVE BOX FOR EXTENSION OUTSIDE OF BOX DURING BLOWOUT.

**12 DRIP FLUSH CAP ASSEMBLY**



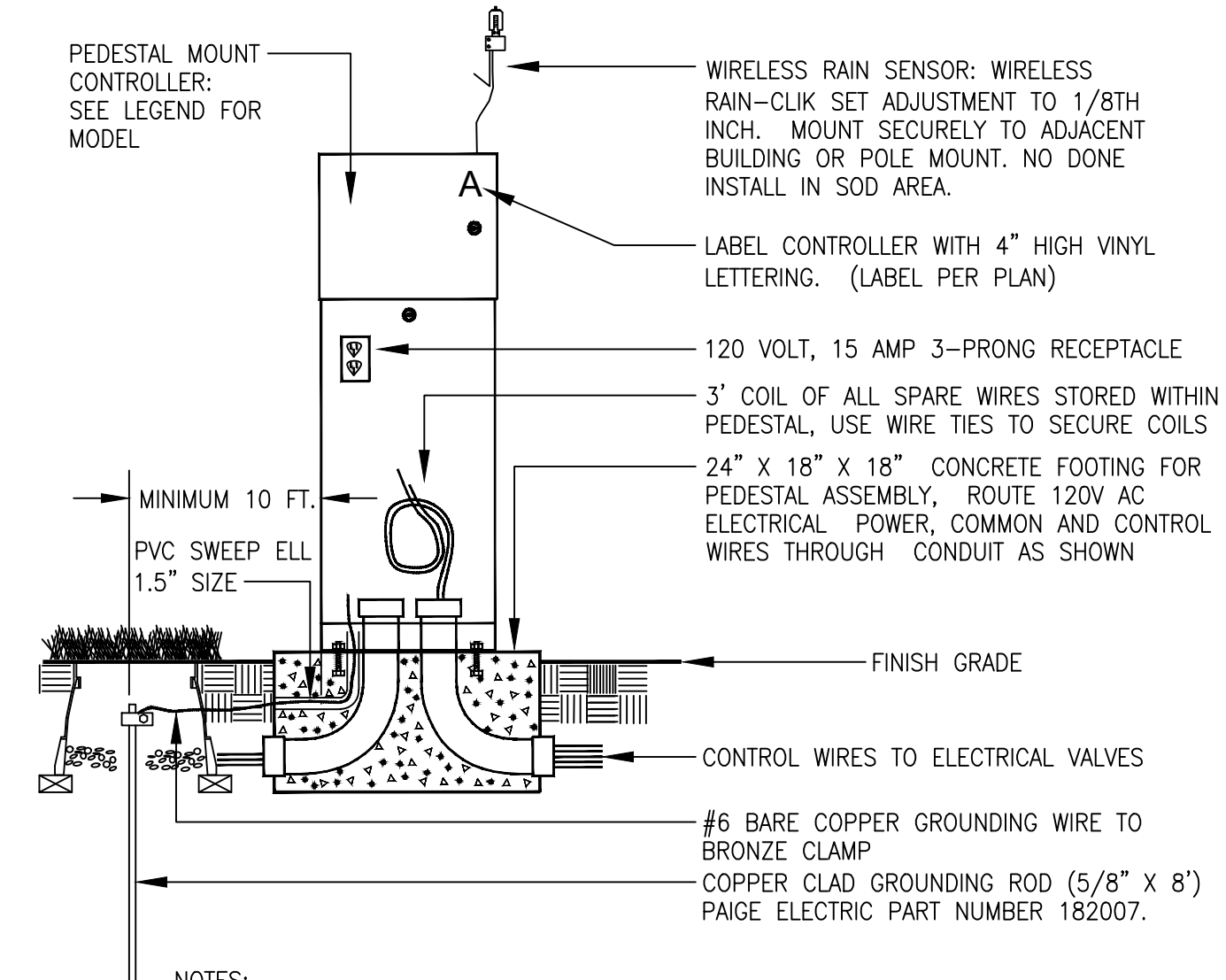
NOTE:  
1) ALL SLEEVING TO BE CLASS 200 BE PVC, SIZED AS NOTED.  
2) INSTALL SLEEVES IN SIDE-BY-SIDE CONFIGURATION WHERE MULTIPLE SLEEVES ARE TO BE INSTALLED. SPACE SLEEVES 4" TO 6" APART. DO NOT STACK SLEEVES VERTICALLY.

**13 TYPICAL SLEEVING DETAIL**



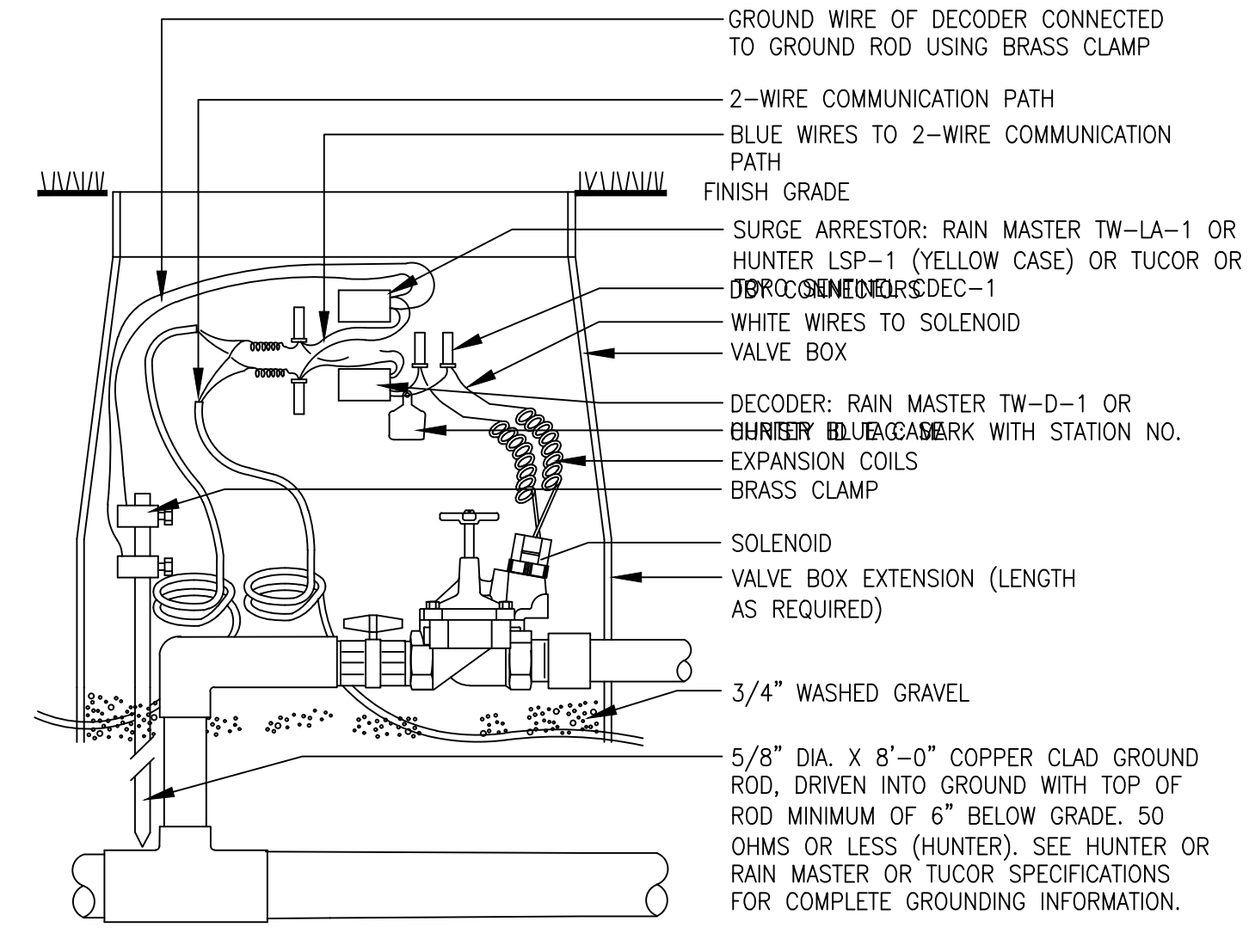
NOTES:  
1. SLEEVE ALL PIPE AND WIRE SEPARATELY.  
2. ALL PIPE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. "SNAKE" UNSLEEVED PLASTIC PIPE IN TRENCH. PROVIDE A MINIMUM OF 2" CLEARANCE TO SIDE OF TRENCH AND BETWEEN PIPES.  
3. ALL 120-V WIRING SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS. TAPE AND BUNDLE 24-V WIRE EVERY 10' AND PROVIDE LOOSE 20" LOOP AT ALL CHANGES OF DIRECTION OVER 30 DEGREES.

**14 TYPICAL TRENCHING DETAIL**



NOTES:  
1. INSTALL RAIN SENSOR ON TREATED 4X4 POST IF CONTROLLER IS IN TURF AREA. POST TO BE MOUNTED IN SHRUB BED TO AVOID BEING IRRIGATED BY OVERHEAD SPRINKLERS.

**15 PEDESTAL MOUNT CONTROLLER ASSEMBLY**



NOTES: WIRES MUST EXTEND 12" ABOVE VALVE BOX FOR SERVICE.

**16 TYPICAL GROUNDING (AT VALVE) ASSEMBLY**

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