12' CONCRETE PATH

APPROXIMATE LOCATION OF BYPASS SWALE

DETENTION AREA

6' WIDE CRUSHED GRANITE SOFT SURFACE TRAIL

DRAINAGE SWALE/ BYPASS CHANNEL

NATIVE GRASS - NON IRRIGATED

WOOD THREE RAIL FENCE

DECIDUOUS TREES 35' O.C.

5' HT. PRIVACY FENCE

30' SIGHT TRIANGLE

CO RD 29 1/2

6' WIDE CRUSHED GRANITE SOFT SURFACE TRAIL

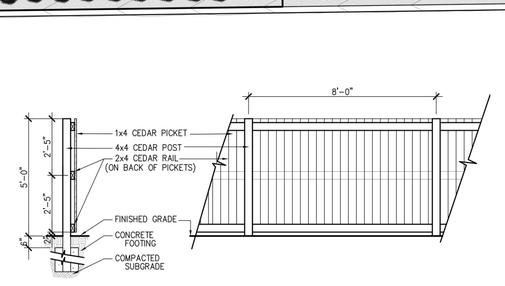
NATIVE GRASS

DECIDUOUS/ EVERGREEN TREES

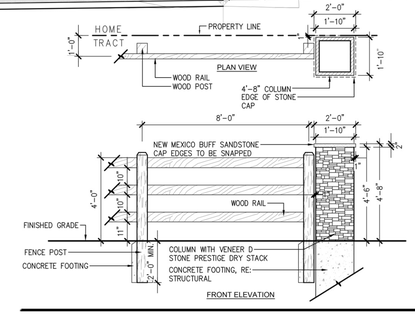
BENCHES

TOT LOT

CO RD 12




5' HT. PRIVACY FENCE




WOOD THREE RAIL FENCE

| DATE | REVISION DESCRIPTION |
|---|---|
| 6 | |
| 5 | |
| 4 | |
| 3 | |
| 2 | |
| 1 | |


DHM DESIGN
900 S. Broadway
Suite 300
Denver, CO 80209
303.892.5566
www.dhmdesign.com


| | |
|---|---|
| Drawing Name | GRAPHIC PLAN.dwg |
| Job Number | EQUINOX MTN SKY |
| Prepared For | FORT LUPTON |

0 50 200 200

1 inch = 100 ft. Horizontal

| Designer | Drafter | Checked |
|---|---|---|
| MW | CF | MW |


Calibre
Calibre Engineering, Inc.
9090 South Ridgeline Boulevard, Suite 105
Highlands Ranch, CO 80129 (303) 730-0434
www.calibre-engineering.com
Construction Management Civil Engineering Surveying


# MOUNTAIN SKY

## PRELIMINARY DEVELOPMENT PLANS

## CONCEPTUAL LANDSCAPE PLAN

Sheet LS1 7 of 7

Date 23 FEBRUARY 2016


PATH: X:\WILCOX\MOUNTAIN SKY - 15164.0004 - CONCEPT & MASTER PLAN (MP)\CADD\XREFS\GRAPHIC PLAN.DWG
PLOTTED BY: Garrett Graham PLOT DATE: 2/22/2016 9:46 AM
XREFS:

LIMITS OF CONSTRUCTION

1 / D1.2 CRUSHER FINES TRAIL

CONCRETE TRAIL, RE: CIVIL

RESEED ALL DISTURBED AREAS WITH NATIVE SEED

2–AMERICAN LINDEN

1–SHADEMASTER HONEYLOCUST

1 / D1.2 CRUSHER FINES TRAIL

1–COLORADO BLUE SPRUCE

3–SWAMP WHITE OAK

1–AMERICAN LINDEN

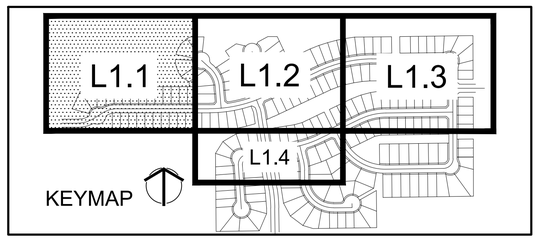
3–SWAMP WHITE OAK

2–AUSTRIAN PINE

2–AMERICAN LINDEN

3–SWAMP WHITE OAK

MATCHLINE - SEE SHEET L1.2




| DATE | REVISION DESCRIPTION |
|---|---|
| 6 | |
| 5 | |
| 4 | |
| 3 | |
| 2 | |
| 1 | |

Drawing Name: 01 - LANDSCAPE PLAN.dwg
Job Number: EQUINOX MTN SKY
Prepared For: FORT LUPTON

0 15 60
5 30
SCALE: 1"=30'-0"

| Designer | Drafter | Checked |
|---|---|---|
| MW | CF | MW |

NORTH


Calibre
Calibre Engineering, Inc.
9090 South Ridgeline Boulevard, Suite 105
Highlands Ranch, CO 80129 (303) 730-0434
www.calibre-engineering.com
Construction Management Civil Engineering Surveying


# MOUNTAIN SKY
## LANDSCAPE PLANS
## LANDSCAPE PLAN


DHM DESIGN
900 S. Broadway
Suite 300
Denver, CO 80209
303.892.5566
www.dhmdesign.com


Sheet L1.1 of XX

Date 12 FEBRUARY 2016


PATH: X:\WILCOX\MOUNTAIN SKY - 15164.00\06 - CONSTRUCTION DOCUMENTS (CD)\SHEETS\01 - LANDSCAPE PLAN.DWG
PLOTTED BY: Garrett Graham PLOT DATE: 2/12/2016 4:00 PM
XREFS:


AeccDbFace (AeccLand100)

MATCHLINE - SEE SHEET L1.1

3–AUSTRIAN PINE

2–SHADEMASTER HONEYLOCUST

1 LD1.2 CRUSHER FINES TRAIL

RESEED ALL DISTURBED AREAS WITH NATIVE SEED

LIMITS OF CONSTRUCTION

20 – MISCANTHUS
11 – WESTERN SANDCHERRY
20–FEATHER REED GRASS
24–PURPLE SILVER GRASS

3–COLORADO BLUE SPRUCE

3–AUSTRIAN PINE

2–SHADE MASTER HONEYLOCUST

1 LD1.3 THREE RAIL WOOD FENCE

2 LD1.3 5' PRIVACY FENCE

2–SHADEMASTER HONEYLOCUST
STEEL EDGER
15–PEKING COTONEASTER
11–MISCANTHUS
11–FEATHER REED GRASS
11–GOLDEN CURRANT
17–FROEBEL SPIREA
1–AMERICAN LINDEN
13–WESTERN SANDCHERRY
7–RUSSIAN SAGE
3–ROCKY MOUNTAIN MAPLE
10–PEKING COTONEASTER
15–CISTENA PLUM
1–SHADEMASTER HONEYLOCUST
20–BUFFALO JUNIPER
10–GOLDEN CURRANT
3–AMUR MAPLE
15–WESTERN SANDCHERRY
16–FEATHER REED GRASS
STEEL EDGER
3–INDIAN MAGIC CRABAPPLE
2–NORTHERN RED OAK

PLAYGROUND ENLARGEMENT RE: SHEET L1.5

2 LD1.3 5' PRIVACY FENCE

1 LD1.3 THREE RAIL WOOD FENCE

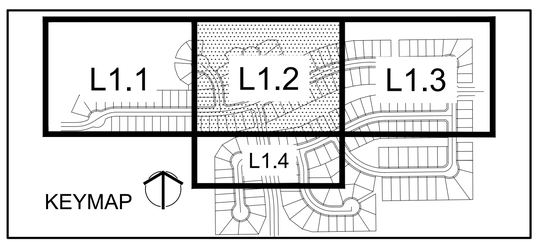
1–SWAMP WHITE OAK

STEEL EDGER
4–PEKING COTONEASTER
9–BLUE AVENA

STEEL EDGER
3–BUFFALO JUNIPER
15–FEATHER REED GRASS
13–MISCANTHUS
2 LD1.2 6' BENCH
4–CISTENA PLUM

MATCHLINE - SEE SHEET L1.3

MATCHLINE - SEE SHEET L1.4




PATH: X:\WILCOX\MOUNTAIN SKY - 15164.00\06 - CONSTRUCTION DOCUMENTS (CD)\SHEETS\01 - LANDSCAPE PLAN.DWG
PLOTTED BY: Garrett Graham PLOT DATE: 2/12/2016 4:00 PM
XREFS:

| DATE | REVISION DESCRIPTION |
|---|---|
| 6 | |
| 5 | |
| 4 | |
| 3 | |
| 2 | |
| 1 | |

| | |
|---|---|
| Drawing Name | 01 - LANDSCAPE PLAN.dwg |
| Job Number | EQUINOX MTN SKY |
| Prepared For | FORT LUPTON |
| Designer | MW |
| Drafter | CF |
| Checked | MW |

0 15 60
5 30
SCALE: 1"=30'–0"

NORTH


Calibre
Calibre Engineering, Inc.
9090 South Ridgeline Boulevard, Suite 105
Highlands Ranch, CO 80129 (303) 730-0434
www.calibre-engineering.com
Construction Management Civil Engineering Surveying


# MOUNTAIN SKY
## LANDSCAPE PLANS
## LANDSCAPE PLAN


DHM DESIGN
900 S. Broadway
Suite 300
Denver, CO 80209
303.892.5566
www.dhmdesign.com


Sheet L1.2 of XX

Date 12 FEBRUARY 2016

AeccDbFace (AeccLand100)

MATCHLINE - SEE SHEET L1.2

RESEED ALL DISTURBED AREAS WITH NATIVE SEED

1 LD1.2 CRUSHER FINES TRAIL

1 LD1.3 THREE RAIL WOOD FENCE

5–RUSSIAN SAGE
12–BUFFALO JUNIPER
8–WESTERN SANDCHERRY
15–CISTENA PLUM
6–GOLDEN CURRANT
17–FEATHER REED GRASS
18–PEKING COTONEASTER
17–RUSSIAN SAGE
13–BUFFALO JUNIPER
9–WOODS ROSE
1–AMERICAN LINDEN
3–SWAMP WHITE OAK
18–FROEBEL SPIREA
12–WOODS ROSE

STEEL EDGER

2 LD1.3 5' PRIVACY FENCE

STOP FENCE 15'–0" FROM CURB

STOP FENCE 15'–0" FROM CURB

STOP FENCE 15'–0" FROM CURB

STOP FENCE 15'–0" FROM CURB

1–SWAMP WHITE OAK
22–FEATHER REED GRASS
12–WESTERN SANDCHERRY
7–CISTENA PLUM
11–PEKING COTONEASTER
16–BUFFALO JUNIPER

3–AUSTRIAN PINE

RESEED ALL DISTURBED AREAS WITH NATIVE SEED

1–COLORADO BLUE SPRUCE

STEEL EDGER

1–NORTHERN RED OAK

2–SHADEMASTER HONEYLOCUST

STEEL EDGER
17–MISCANTHUS
8–GOLDEN CURRANT
7–RUSSIAN SAGE

STEEL EDGER

1 LD1.2 CRUSHER FINES TRAIL

1–COLORADO BLUE SPRUCE

22–FEATHER REED GRASS

STEEL EDGER

3–AMERICAN LINDEN

LIMITS OF CONSTRUCTION

2 LD1.3 5' PRIVACY FENCE

1 LD1.3 THREE RAIL WOOD FENCE

STEEL EDGER
16–CISTENA PLUM
5–RUSSIAN SAGE
25–BUFFALO JUNIPER
38–FEATHER REED GRASS
11–PURPLE SILVER GRASS

22–FROEBEL SPIREA

11–BLUE AVENA
7–PURPLE SILVER GRASS
39–RUSSIAN SAGE
22–MISCANTHUS

STOP FENCE 15'–0" FROM CURB

17–FROEBEL SPIREA

9–BUFFALO JUNIPER
22–RUSSIAN SAGE

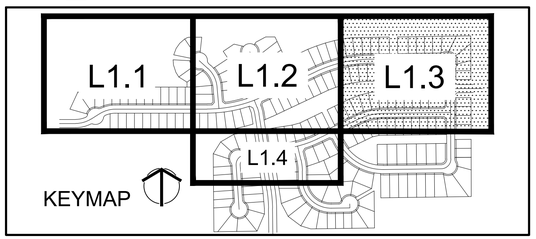
12–BUFFALO JUNIPER

BLUEGRASS SOD

24–RUSSIAN SAGE
13–FROEBEL SPIREA
9–BUFFALO JUNIPER
BLUEGRASS SOD

2 LD1.3 5' PRIVACY FENCE

39–MISCANTHUS
STEEL EDGER
8–PEKING COTONEASTER
BLUEGRASS SOD
2–AUSTRIAN PINE
3–NOTHERN RED OAK
LIMITS OF CONSTRUCTION
12–PEKING COTONEASTER
BLUE GRASS SOD
9–PURPLE SILVER GRASS
8–WESTERN SANDCHERRY
1–AUSTRIAN PINE
16–BUFFALO JUNIPER
14–WESTERN SANDCHERRY
3–SHADEMASTER HONEYLOCUST
2–AUSTRIAN PINE
31–FEATHER REED GRASS
12–GOLDEN CURRANT
4–RUSSIAN SAGE
14–PURPLE SILVER GRASS
BLUEGRASS SOD
3–NORTHERN RED OAK
20–MISCANTHUS
13–WESTERN SANDCHERRY
40–FEATHER REED GRASS
21–PEKING COTONEASTER
8–WESTERN SANDCHERRY
7–BUFFALO JUNIPER
7 – GOLDEN CURRANT
4 – PEKING COTONEASTER
10–MISCANTHUS
11–GOLDEN CURRANT
20–FEATHER REED GRASS
3–SHADEMASTER HONEYLOCUST
23–CISTENA PLUM




| | DATE | REVISION DESCRIPTION |
|---|---|---|
| 6 | | |
| 5 | | |
| 4 | | |
| 3 | | |
| 2 | | |
| 1 | | |

Drawing Name: 01 - LANDSCAPE PLAN.dwg
Job Number: EQUINOX MTN SKY
Prepared For: FORT LUPTON
Designer: MW | Drafter: CF | Checked: MW
0 15 60 / 5 30 SCALE: 1"=30'–0"

NORTH

Calibre
Calibre Engineering, Inc.
9090 South Ridgeline Boulevard, Suite 105
Highlands Ranch, CO 80129 (303) 730-0434
www.calibre-engineering.com
Construction Management Civil Engineering Surveying

# MOUNTAIN SKY
## LANDSCAPE PLANS
## LANDSCAPE PLAN

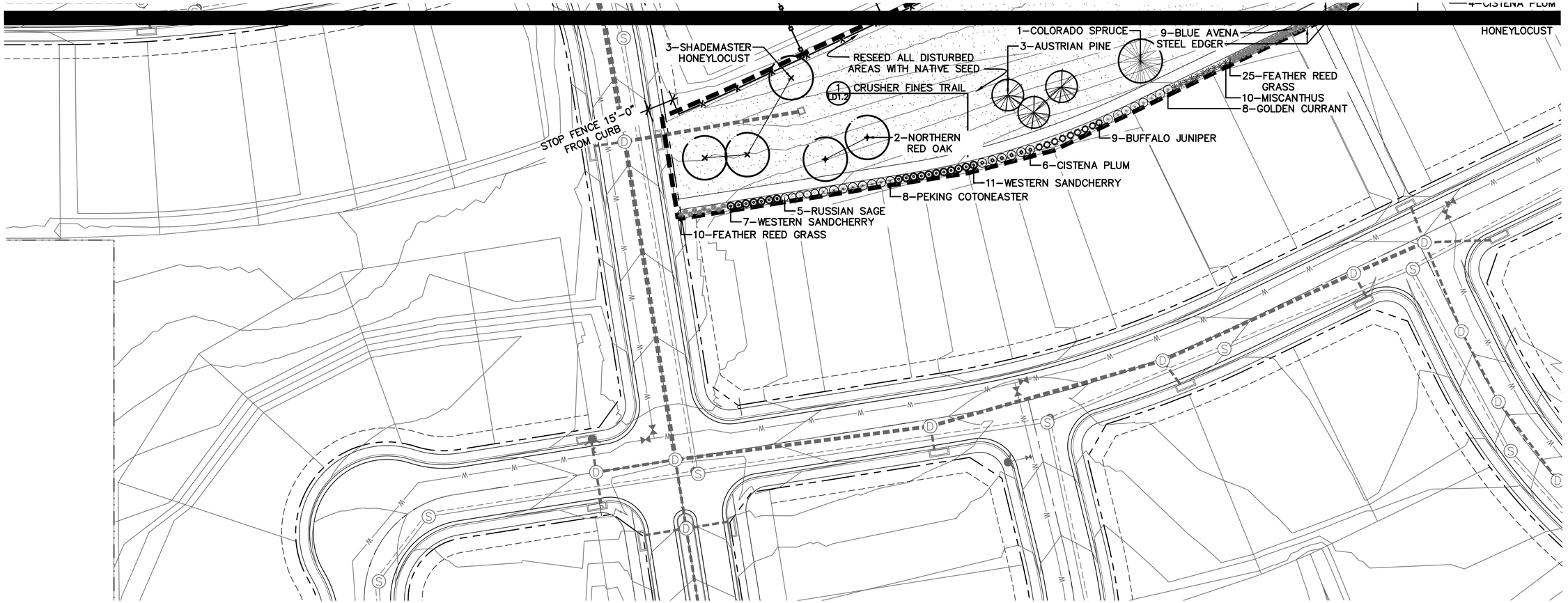
DHM DESIGN
900 S. Broadway
Suite 300
Denver, CO 80209
303.892.5566
www.dhmdesign.com

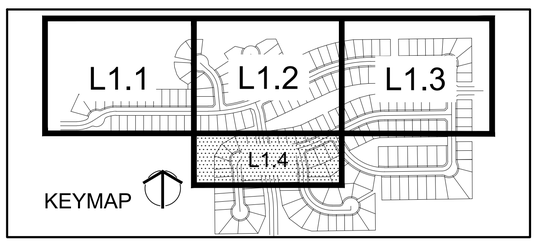
Sheet L1.3 of XX
Date 12 FEBRUARY 2016

PATH: X:\WILCOX\MOUNTAIN SKY - 15184.00\06 - CONSTRUCTION DOCUMENTS (CD)\SHEETS\01 - LANDSCAPE PLAN.DWG
PLOTTED BY: Garrett Graham PLOT DATE: 2/12/2016 4:00 PM
XREFS:

AeccDbFace (AeccLand100)

MATCHLINE - SEE SHEET L1.2




PATH: X:\WILCOX\MOUNTAIN SKY - 15164.0006 - CONSTRUCTION DOCUMENTS (CD)\SHEETS\01 - LANDSCAPE PLAN.DWG
PLOTTED BY: Garrett Graham PLOT DATE: 2/12/2016 4:00 PM
XREFS:

| | DATE | REVISION DESCRIPTION |
|---|---|---|
| 6 | | |
| 5 | | |
| 4 | | |
| 3 | | |
| 2 | | |
| 1 | | |

Drawing Name: 01 - LANDSCAPE PLAN.dwg
Job Number: EQUINOX MTN SKY
Prepared For: FORT LUPTON
Designer: MW | Drafter: CF | Checked: MW
0 15 60
5 30
SCALE: 1"=30'–0"

NORTH


Calibre Engineering, Inc.
9090 South Ridgeline Boulevard, Suite 105
Highlands Ranch, CO 80129 (303) 730-0434
www.calibre-engineering.com
Construction Management Civil Engineering Surveying


# MOUNTAIN SKY
## LANDSCAPE PLANS
## LANDSCAPE PLAN

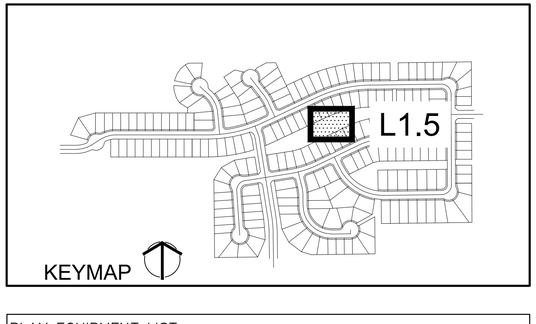

DHM DESIGN
900 S. Broadway
Suite 300
Denver, CO 80209
303.892.5566
www.dhmdesign.com


Sheet L1.4 of XX
Date 12 FEBRUARY 2016

AeccDbFace (AeccLand100)

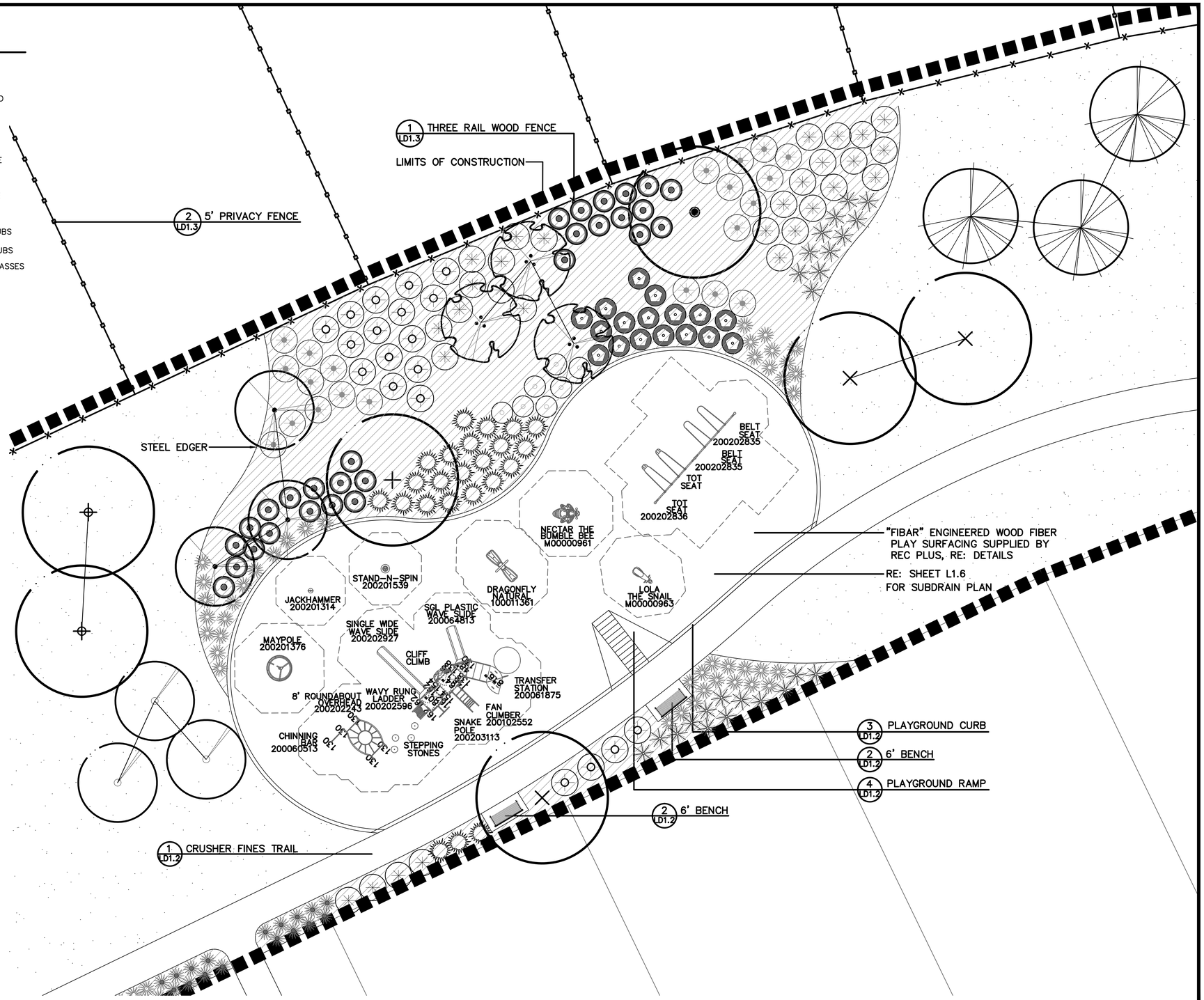
## LEGEND

- TOPO–INDEX
- TOPO–INTERMEDIATE
- PROPERTY BOUNDARY
- EXISTING SEWER
- EXISTING WATER
- EXISTING STORM DRAIN
- EXISTING MAN HOLE
- PROPOSED LIGHT POLE
- EXISTING STORM DRAIN INLET
- EXISTING WATER VALVE
- EXISTING HYDRANT
- LIMITS OF CONSTRUCTION
- THREE RAIL WOOD FENCE
- 5' PRIVACY FENCE
- PROPOSED CRUSHER FINES
- PROPOSED TOPO
- PROPOSED WOOD MULCH
- PROPOSED BLUE GRASS SOD
- PROPOSED NATIVE SEED
- PROPOSED EVERGREEN TREE
- PROPOSED DECIDUOUS TREE
- PROPOSED DECIDUOUS SHRUBS
- PROPOSED EVERGREEN SHRUBS
- PROPOSED ORNAMENTAL GRASSES




PLAY EQUIPMENT LIST
NOTE: ALL PLAY EQUIPMENT TO BE SUPPLIED BY REC PLUS
CONTACT: MIRIAM HOOTSTEIN
TEL: 303–278–1455

| PRODUCT NAME | NUMBER | QTY |
|---|---|---|
| JACKHAMMER | 200201314 | 1 |
| MAYPOLE | 200201376 | 1 |
| 8' ROUNDABOUT OVERHEAD | 200202243 | 1 |
| CHINNING BAR | 200060513 | 1 |
| SINGLE WAVE WAVE SLIDE | 200202927 | 1 |
| WAVY RUNG LADDER | 200202596 | 1 |
| STAND–N–SPIN | 200201539 | 1 |
| SGL PLASTIC WAVE SLIDE | 200064813 | 1 |
| SNAKE POLE | 200203113 | 1 |
| FAN CLIMBER | 200102552 | 1 |
| TRANSFER STATION | 200061875 | 1 |
| DRAGONFLY NATURAL | 100011361 | 1 |
| NECTAR THE BUMBLE BEE | M00000961 | 1 |
| LOLA THE SNAIL | M00000963 | 1 |
| TOT SEAT | 200202836 | 2 |
| BELT SEAT | 200202835 | 2 |
| CLIFF CLIMBER | | 1 |
| STEPPING STONES | | 4 |




| DATE | REVISION DESCRIPTION |
|---|---|
| 6 | |
| 5 | |
| 4 | |
| 3 | |
| 2 | |
| 1 | |

Drawing Name: 02 - ENLARGEMENT SHEET.dwg
Job Number: EQUINOX MTN SKY
Prepared For: FORT LUPTON
Designer: MW | Drafter: CF | Checked: MW
0 5 20 / 1 10 SCALE: 1"=10'–0"

NORTH


Calibre Engineering, Inc.
9090 South Ridgeline Boulevard, Suite 105
Highlands Ranch, CO 80129 (303) 730-0434
www.calibre-engineering.com
Construction Management Civil Engineering Surveying


# MOUNTAIN SKY
## LANDSCAPE PLANS
## ENLARGEMENT PLAN


DHM DESIGN
900 S. Broadway
Suite 300
Denver, CO 80209
303.892.5566
www.dhmdesign.com


Sheet L1.5 of XX
Date 12 FEBRUARY 2016

PATH: X:\WILCOX\MOUNTAIN SKY - 15184.00\06 - CONSTRUCTION DOCUMENTS (CD)\SHEETS\02 - ENLARGEMENT SHEET.DWG
PLOTTED BY: Garrett Graham PLOT DATE: 2/12/2016 4:00 PM
XREFS:

AeccDbFace (AeccLand100)

LIMITS OF CONSTRUCTION

5 LD1.2 PLAYGROUND DRAIN

6 LD1.2 PLAYGROUND UNDERDRAIN

RIM ELEV 55.0
INV ELEV 54.0

PLAYGROUND TC 57.1
PLAYGROUND SURFACE ELEV 56.8

"FIBAR" ENGINEERED WOOD FIBER PLAY SURFACING SUPPLIED BY REC PLUS, RE: DETAILS

6" PERFORATED PVC PIPE (APPROX 100 LF)

2%

MIN. 1%

TC 57.1

RIM ELEV 54.0
INV ELEV 53.0

55 56 57

6" SOLID PVC PIPE (APPROX 306 LF), RE: CIVIL FOR INLET LOCATION AND INVERTS

CONNECT SUBDRAIN TO STORM INLET

KEYMAP

L1.6

PATH: X:\WILCOX\MOUNTAIN SKY - 15164.00\06 - CONSTRUCTION DOCUMENTS (CD)\SHEETS\03 - SUBDRAIN PLAN.DWG
PLOTTED BY: Garrett Graham PLOT DATE: 2/12/2016 4:00 PM
XREFS:

| | DATE | REVISION DESCRIPTION |
|---|---|---|
| 6 | | |
| 5 | | |
| 4 | | |
| 3 | | |
| 2 | | |
| 1 | | |

Drawing Name: 03 - SUBDRAIN PLAN.dwg
Job Number: EQUINOX MTN SKY
Prepared For: FORT LUPTON

| Designer | Drafter | Checked |
|---|---|---|
| MW | CF | MW |

NORTH

Calibre
Calibre Engineering, Inc.
9090 South Ridgeline Boulevard, Suite 105
Highlands Ranch, CO 80129 (303) 730-0434
www.calibre-engineering.com
Construction Management Civil Engineering Surveying

# MOUNTAIN SKY
## LANDSCAPE PLANS
## SUBDRAIN PLAN

DHM DESIGN
900 S. Broadway
Suite 300
Denver, CO 80209
303.892.5566
www.dhmdesign.com

Sheet L1.6 of XX

Date 12 FEBRUARY 2016

AeccDbFace (AeccLand100)

## LANDSCAPE NOTES

1. IRRIGATED SOD TO BE A 4-WAY BLEND OF IMPROVED BLUEGRASS VARIETIES. CONTRACTOR TO SUBMIT SOD MIX SHOWING PERCENTAGE OF SPECIES TO THE OWNER'S REPRESENTATIVE FOR APPROVAL.
2. THE TURF AREAS AS WELL AS SHRUB BEDS SHALL BE PREPARED WITH ORGANIC MATTER AT THE RATE OF 4 CUBIC YARDS PER 1,000 SQUARE FEET. THIS PREPARATION SHALL BE THOROUGHLY INCORPORATED INTO THE TOP 6" OF SOIL.
3. ALL LANDSCAPE AREAS WILL BE WATERED BY AN UNDERGROUND FULLY AUTOMATED IRRIGATION SYSTEM. ALL TURF AREAS LESS THAN 25' WILL HAVE A POP-UP SPRAY SYSTEM AND ALL TURF AREAS GREATER THAN 25' WILL HAVE A ROTARY POP-UP SPRAY SYSTEM PROVIDING HEAD TO HEAD COVERAGE. ALL SHRUB BEDS WILL HAVE FULL COVERAGE WITH A DRIP SYSTEM. ALL TREES WITHIN TURF AREAS TO HAVE DRIP IRRIGATION EXTENDED TO ROOT ZONE.
4. ALL SHRUBS BEDS ARE TO BE CONTAINED WITH STEEL EDGER (NOT REQUIRED AT CURB OR WALK). STEEL EDGING AS SPECIFED OR APPROVED EQUAL, COLOR TO BE GREEN. PROVIDE GAPS IN EDGER AT SWALES TO ALLOW DRAINAGE. DRILL 3/4" DIA. HOLES 2' O.C. IN EDGER ON ALL DOWNHILL SLOPES TO ALLOW SHRUB BEDS TO DRAIN.
5. ALL SHRUB BED LOCATIONS ARE TO BE STAKED OUT ON THE SITE FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. PROVIDE SHRUB BED LAYOUT BASED UPON THIS LANDSCAPE PLAN AND NOT THE IRRIGATION PLAN. TREE LOCATION TO BE NO CLOSER THAN 6' FROM ALL CURBS & WALKWAYS (EXCEPT IN TREE LAWNS).
6. ALL PLANT MATERIAL ARE TO BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
7. ALL SHRUB BEDS TO BE MULCHED WITH 4" DEPTH FIR FIBER MULCH UNLESS OTHERWISE NOTED. SUBMIT SAMPLE FOR APPROVAL.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO EXISTING UTILITIES, CURB AND GUTTER, WALLS, OR WALKWAYS AND OTHER STRUCTURES THAT IS A RESULT OF HIS WORK. THE REPAIR OF SUCH DAMAGE WILL BE AT NO ADDITIONAL COST OT THE OWNER.
9. THE CONTRACTOR SHALL FINE GRADE ALL AREAS TO BE PLANTED. THE CONTRACTOR SHALL REMOVE REQUIRED DEPTH OF SOIL ALONG WALKWAYS TO ACCOMMODATE SEED OR MULCH DEPTH.
10. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES AND WALKWAYS. HAVE ALL FINE GRADING APPROVED PRIOR TO SODDING AND SEEDING.

## PLANT LIST

| COMMON/ BOTANICAL NAME | SIZE | COMMENTS |
|---|---|---|
| **DECIDUOUS SHADE TREE** | | |
| American Linden<br>Tilia americana | 2 1/2" cal. | Specimen quality<br>B&B, staked |
| Shademaster Honeylocust<br>Gleditsia triacanthos inermis 'Shademaster' | 2 1/2" cal. | Specimen quality<br>B&B, staked |
| Swamp White Oak<br>Quercus bicolor | 2 1/2" cal. | Specimen quality<br>B&B, staked |
| Western Hackberry<br>Celtis occidentalis | 2 1/2" cal. | Specimen quality<br>B&B, staked |
| **DECIDUOUS ORNAMENTAL TREES** | | |
| Rocky Mountain Maple<br>Acer glabrum | 2" cal. | Specimen quality<br>B&B, staked |
| Amur Maple<br>Acer ginnala | 2" cal. | Specimen quality<br>B&B, staked |
| Indian Magic Crabapple<br>Malus 'Indian Magic' | 2" cal. | Specimen quality<br>B&B, staked |
| **EVERGREEN TREES** | | |
| Colorado Blue Spruce<br>Picea pungens glauca | 8' ht. | Specimen quality<br>B&B, guyed |
| Austrian Pine<br>Pinus nigra | 8' ht. | Specimen quality<br>B&B, guyed |
| **EVERGREEN SHRUBS** | | |
| Buffalo Juniper<br>Juniperus sabina 'Buffalo' | 5 gal. | Container, 5 canes min.<br>18"-24" spread |
| **DECIDUOUS SHRUBS** | | |
| Froebel Spirea<br>Spiraea japonica 'Froebelli' | 5 gal. | Container, 5 canes min.<br>12"-18" ht. |
| Russian Sage<br>Perovskia artiplicifolia | 5 gal. | Container, 5 canes min.<br>18"-24" ht. |
| Western Sandcherry<br>Prunus besseyi | 5 gal. | Container, 5 canes min.<br>12"-18" ht. |
| Cistena Plum<br>Prunus cistena | 5 gal. | Container, 5 canes min.<br>18"-24" ht. |
| Golden Currant<br>Ribes aureum | 5 gal. | Container, 5 canes min.<br>18"-24" ht. |
| Peking Cotoneaster<br>Cotoneaster lucidus | 5 gal. | Container, 5 canes min.<br>18"-24" ht. |
| Woods Rose<br>Rose woodsii | 5 gal. | Container, 5 canes min.<br>18"-24" ht. |

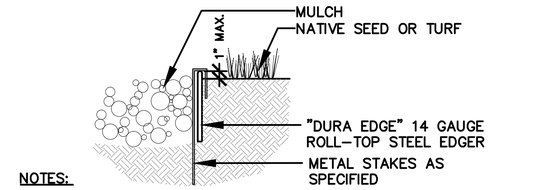
| COMMON/ BOTANICAL NAME | SIZE | COMMENTS |
|---|---|---|
| **ORNAMENTAL GRASSES** | | |
| Blue Avena Grass<br>Helictrotrichon sempervirens | 1 gal. | well established<br>24" o.c. |
| Purple Silver Grass<br>Miscanthus sinensis 'Purpurescens' | 1 gal. | well established<br>24" o.c. |
| Morning Light Miscanthus<br>Miscanthus sinensis 'Morning Light' | 1 gal. | well established<br>48" o.c. |
| Feather Reed Grass<br>Calamagrostis acutiflora 'Karl Foerster" | 1 gal. | well established<br>36" o.c. |

## NON-IRRIGATED NATIVE SEED MIX:

"Low Grow" mix as supplied by Arkansas Valley Seed Solutions, (877-957-3337)

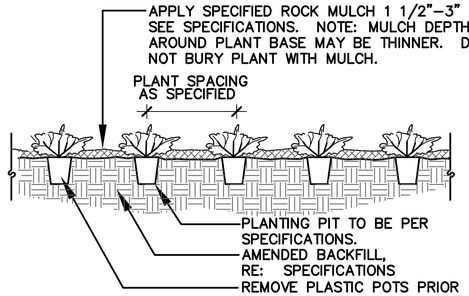
30% Ephraim Crested Wheatgrass
25% Dwarf Perennial Ryegrass
20% SR3200 Blue Fescue
15% Reubens Canada Bluegrass
10% Chewings Fescue

BROADCAST RATE
Dryland: 20-25 lbs/acre

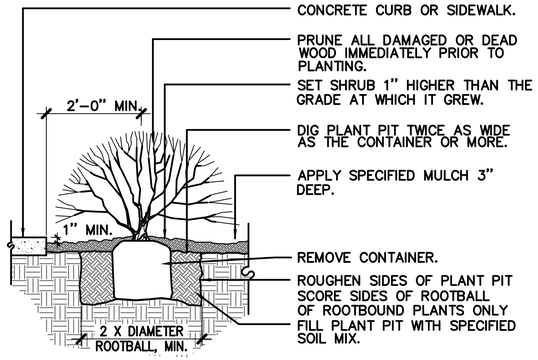



NOTES:
1. SET ALL EDGING 1" MAXIMUM ABOVE FINISH GRADE AS SHOWN
2. EDGING SHALL ABUT ALL CONCRETE CURBS, WALKS AND CRUSHER FINES TRAILS FLUSH WITH ADJACENT GRADES
3. ALL JOINTS TO BE SECURELY STAKED

3 STEEL EDGER — NOT TO SCALE




4 ORNAMENTAL GRASSES □ PERENNIALS — NOT TO SCALE

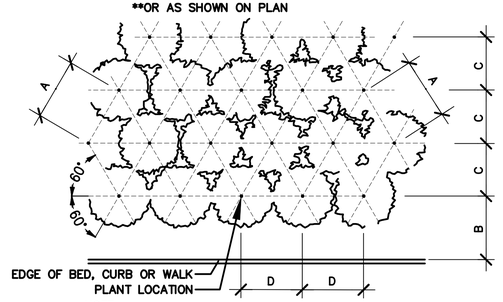



GENERAL NOTES
- HOLD GRADE 1" BELOW EDGE OF WALK OR CURB
- SHRUB PLANTING - REFER TO SHRUB BED LAYOUT FOR PLACEMENT OF SHRUBS.
- FOR GROUPINGS OF SHRUBS, MULCH ENTIRE PLANTING AREA. FOR INDIVIDUAL SHRUBS, MULCH PLANTING PIT AREA ONLY.
- GRADE EDGE OF PLANTING AREAS TO RETAIN MULCH.
- ANY BROKEN OR CRUMBLING ROOTBALL WILL BE REJECTED. REMOVING THE CONTAINERS WILL NOT BE AN EXCUSE FOR DAMAGED ROOTBALLS.

1 SHRUB PLANTING — NOT TO SCALE

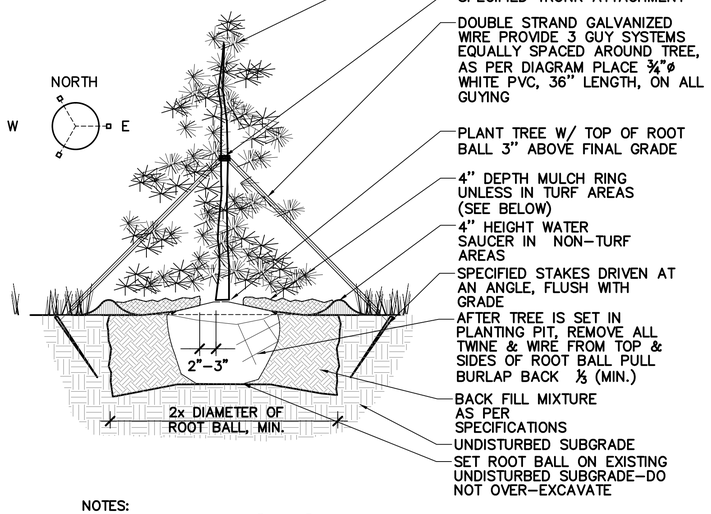
| **PLANT SPACING | A | B | C | D |
|---|---|---|---|---|
| 6" | 6" | 6" | 5" | 6" |
| 8" | 8" | 6" | 7" | 8" |
| 12" | 12" | 8" | 10" | 12" |
| 18" | 18" | 9" | 15½" | 18" |
| 24" | 24" | 18" | 21" | 24" |
| 30" | 30" | 15" | 26" | 30" |
| 36" | 36" | 30" | 31" | 36" |
| 48" | 48" | 30" | 42" | 48" |
| 60" | 60" | 36" | 52" | 60" |

**OR AS SHOWN ON PLAN



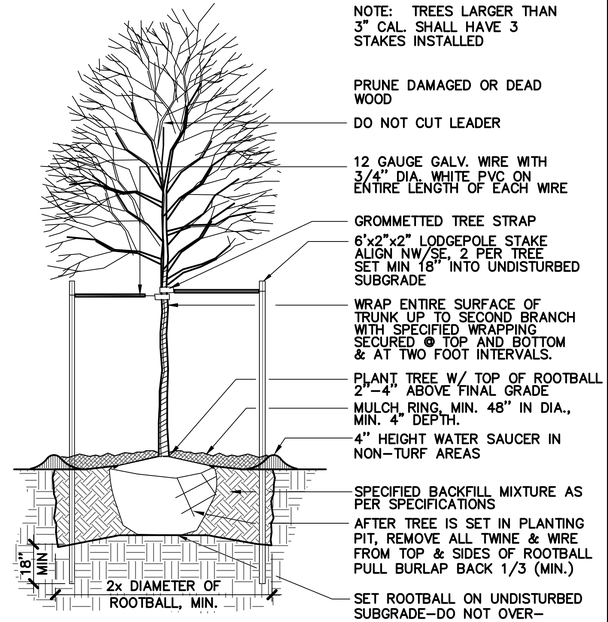

NOTE:
ALIGN FRONT ROW PARALLEL TO BED LINE

2 SHRUB/ORN. GRASS/GROUNDCOVER — NOT TO SCALE
PLANTING LAYOUT TRIANGULAR SPACED




NOTES:
1. PULL MULCH BACK 2" TO 3" FROM TRUNK OF TREE
2. INSTALL SPECIFIED MULCH TO DRIP LINE OF TREE WHERE PLANTED IN LAWN AREAS. MULCH TO BE 2" DEEP IN LAWN AREAS.
3. DO NOT PROVIDE WATER BASIN IN IRRIGATED LAWN AREAS.

5 EVERGREEN TREE PLANTING — NOT TO SCALE




6 DECIDUOUS TREE PLANTING — NOT TO SCALE

| | DATE | REVISION DESCRIPTION |
|---|---|---|
| 6 | | |
| 5 | | |
| 4 | | |
| 3 | | |
| 2 | | |
| 1 | | |

Drawing Name: 04 - LANDSCAPE DETAILS.dwg
Job Number: EQUINOX MTN SKY
Prepared For: FORT LUPTON
Designer: MW | Drafter: CF | Checked: MW


Calibre Engineering, Inc.
9090 South Ridgeline Boulevard, Suite 105
Highlands Ranch, CO 80129 (303) 730-0434
www.calibre-engineering.com
Construction Management Civil Engineering Surveying


**MOUNTAIN SKY**
**LANDSCAPE PLANS**
**LANDSCAPE DETAILS**


DHM DESIGN
900 S. Broadway
Suite 300
Denver, CO 80209
303.892.5566
www.dhmdesign.com


Sheet LD1.1 of XX
Date 12 FEBRUARY 2016

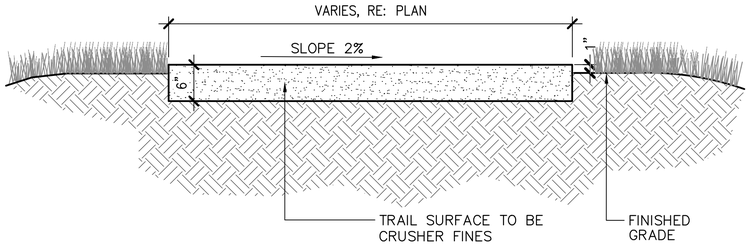
PATH: X:\WILCOX\MOUNTAIN SKY - 15\64.00\06 - CONSTRUCTION DOCUMENTS (CD)\SHEETS\04 - LANDSCAPE DETAILS.DWG
PLOTTED BY: Garrett Graham PLOT DATE: 2/12/2016 4:00 PM
XREFS:

AeccDbFace (AeccLand100)

1. CRUSHER FINES MATERIAL SHALL MEET THE FOLLOWING SPECIFICATIONS: CLEAN, HARD, DURABLE PARTICLES OR FRAGMENTS OF ⅜" MINUS SELECT GRAY CRUSHED GRANITE, RIVER ROCK OR BASALT. FINES SHALL BE EVENLY MIXED THROUGHOUT THE AGGREGATE. FINES SHALL BE ANGULAR AND MINIMUM OF 90% SHALL HAVE AT LEAST ONE FRACTURED FACE. COLOR TO BE APPROVED BY THE OWNER'S REPRESENTATIVE.

2. TRAIL SUB BASE SHALL BE ROLLED AND COMPACTED WITH NO LESS THAN 10 PASSES OF THE ROLLER. BOTH 3 INCH LIFTS OF CRUSHER FINE APPLICATION SHALL BE WATERED, ROLLED AND COMPACTED WITH NO LESS THAN 5 PASSES EACH OF THE ROLLER. TRAIL COMPACTION AND SURFACE WILL BE TESTED BY THE OWNER.

3. ALL EDGES OF TRAIL SHOULD BE RAKED, REMOVING EXCESS CRUSHER FINES OUTSIDE OF THE 6' WIDE TRAIL WIDTH.




## 1 CRUSHER FINES TRAIL

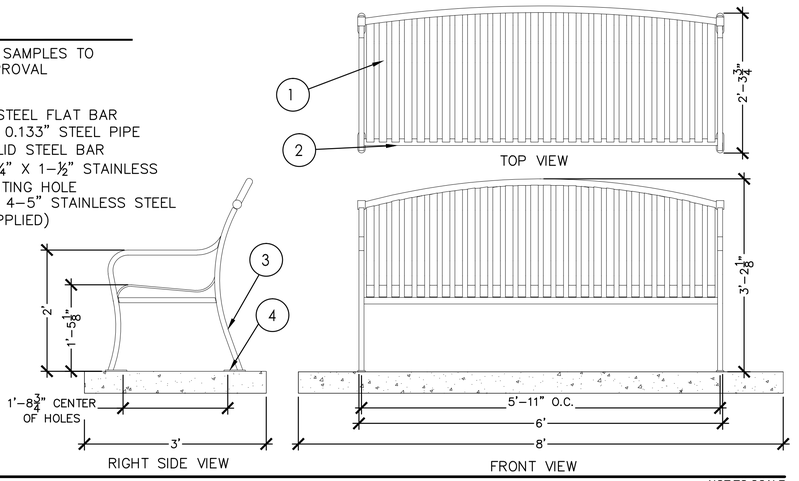
NOT TO SCALE

NOTE:

1. CONTRACTOR TO SUBMIT COLOR SAMPLES TO LANDSCAPE ARCHITECT FOR APPROVAL

MATERIALS LIST
- (1) SEAT STRAPS – 5⁄16"X 1–½" STEEL FLAT BAR
- (2) SUPPORT PIPES – ø1.315" X 0.133" STEEL PIPE
- (3) END UNITS – 1" SQUARE SOLID STEEL BAR
- (4) SURFACE MOUNT PLATES – ¼" X 1–½" STAINLESS STEEL PLATE WITH 9⁄16" MOUNTING HOLE
- (5) MOUNTED WITH FOUR ø ½" X 4–5" STAINLESS STEEL ANCHOR BOLTS (CUSTOM SUPPLIED)

BY: SITESCAPES
MODEL: CV1–1200
COLOR: FERN GREEN – RAL 6025 (SURFACE MOUNT)
SUPPLIED BY: G.R. MAROLT & ASSOCIATES, LLC (303)–762–1090
OR APPROVED SUBSTITUTE

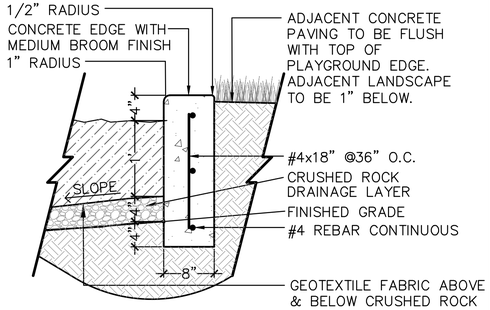



## 2 6 BENCH

NOT TO SCALE

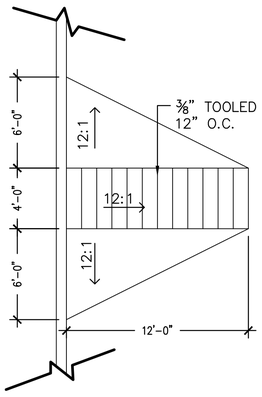
PLAYGROUND EDGE:

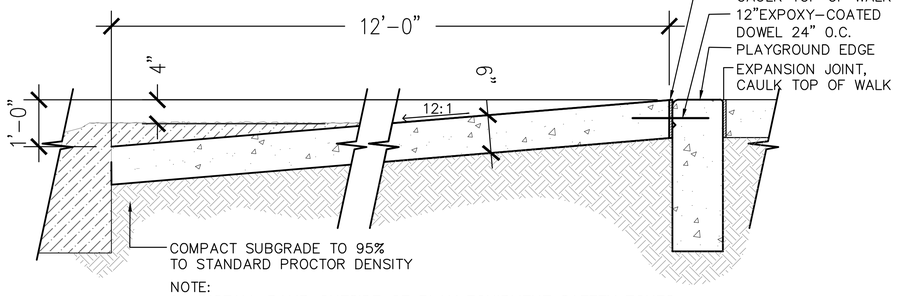
1. VERTICAL AND HORIZONTAL JOINTS TO MATCH ADJACENT CONTROL JOINTS IN WALK.
2. CONTRACTOR TO SLURRY COAT ENTIRE FACE OF INNER PLAYGROUND EDGE FROM TOP OF PLAYGROUND EDGE TO FINISH GRADE.
3. "HONEYCOMBED" WALL WILL RESULT IN REJECTION. REFACING WILL NOT BE ACCEPTED.




## 3 PLAYGROUND CURB

NOT TO SCALE

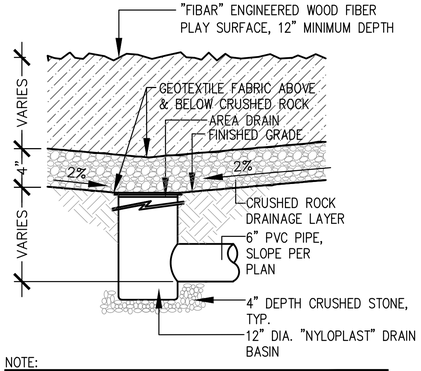



NOTE:
1. INSTALL RAMP OUTSIDE OF PLAY EQUIPMENT SAFETY ZONES.
2. CONCRETE COLOR TO BE GREY

## 4 PLAYGROUND RAMP

NOT TO SCALE



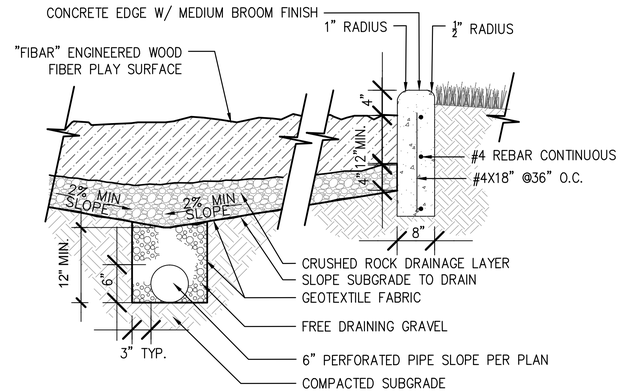

NOTE:

1. ALL ENGINEERED WOOD FIBER TO BE "FIBAR", SUPPLIED FROM REC PLUS, NO APPROVED SUBSTITUTE
   REC PLUS CONTACT INFO:
   15209 W. ELLSWORTH DR.
   GOLDEN, CO 80401
   (303) 278–1455
   WWW.RECREATIONPLUS.COM
2. NYLOPLAST CONTACT INFO:
   3130 VERONA AVE.
   BUFORD GA. 30518
   (770) 932–2443
   WWW.NYLOPLAST–US.COM

## 5 PLAYGROUND DRAIN

NOT TO SCALE

NOTE
CONTROL JOINTS SHOULD OCCUR ON THE HORIZONTAL AND VERTICAL SURFACE EVERY 10' O.C. OR TO MATCH ADJACENT WALK JOINTS




## 6 PLAYGROUND UNDERDRAIN

NOT TO SCALE

| | DATE | REVISION DESCRIPTION |
|---|---|---|
| 6 | | |
| 5 | | |
| 4 | | |
| 3 | | |
| 2 | | |
| 1 | | |

Drawing Name: 04 - LANDSCAPE DETAILS.dwg
Job Number: EQUINOX MTN SKY
Prepared For: FORT LUPTON
Designer: MW | Drafter: CF | Checked: MW


Calibre Engineering, Inc.
9090 South Ridgeline Boulevard, Suite 105
Highlands Ranch, CO 80129 (303) 730-0434
www.calibre-engineering.com
Construction Management Civil Engineering Surveying

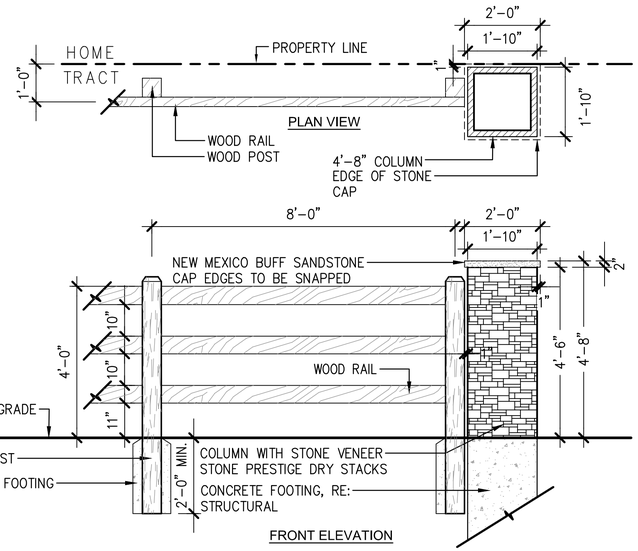

**MOUNTAIN SKY**
**LANDSCAPE PLANS**
**LANDSCAPE DETAILS**


DHM DESIGN
900 S. Broadway
Suite 300
Denver, CO 80209
303.892.5566
www.dhmdesign.com


Sheet LD1.2 of XX
Date 12 FEBRUARY 2016


PATH: X:\WILCOX\MOUNTAIN SKY - 15164.0006 - CONSTRUCTION DOCUMENTS (CD)\SHEETS\04 - LANDSCAPE DETAILS.DWG
PLOTTED BY: Garrett Graham PLOT DATE: 2/12/2016 4:00 PM
XREFS:

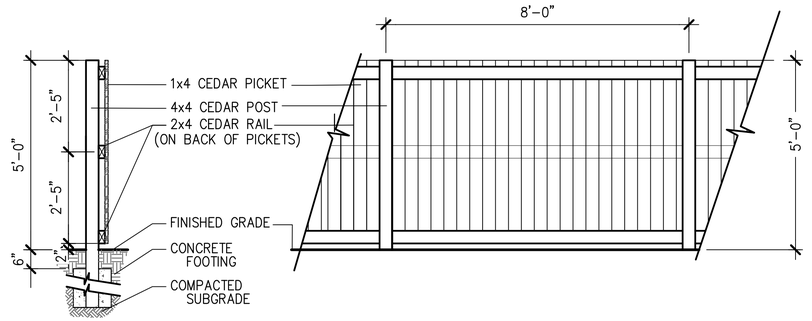

AeccDbFace (AeccLand100)




NOTES:
1. SUBMIT STONE SAMPLE TO OWNER FOR APPROVAL
2. STONE COLUMNS TO BE SPACED AT ALL PROPERTY CORNERS, END OF FENCE, AND AT CHANGE OF DIRECTION IN FENCING

## 1 THREE RAIL WOOD FENCE

NOT TO SCALE




NOTES:
1. PRIVACY FENCING TO BE INSTALLED BETWEEN ALL LOTS WITHIN PHASE 1 BOUNDARY AND AS INDICATED ON PLANS

## 2 5□PRIVACY FENCE

NOT TO SCALE

| DATE | REVISION DESCRIPTION |
|---|---|
| 6 | |
| 5 | |
| 4 | |
| 3 | |
| 2 | |
| 1 | |

Drawing Name: 04 - LANDSCAPE DETAILS.dwg
Job Number: EQUINOX MTN SKY
Prepared For: FORT LUPTON

| Designer | Drafter | Checked |
|---|---|---|
| MW | CF | MW |

Calibre
Calibre Engineering, Inc.
9090 South Ridgeline Boulevard, Suite 105
Highlands Ranch, CO 80129 (303) 730-0434
www.calibre-engineering.com
Construction Management Civil Engineering Surveying

# MOUNTAIN SKY
## LANDSCAPE PLANS
## LANDSCAPE DETAILS

DHM DESIGN
900 S. Broadway
Suite 300
Denver, CO 80209
303.892.5566
www.dhmdesign.com

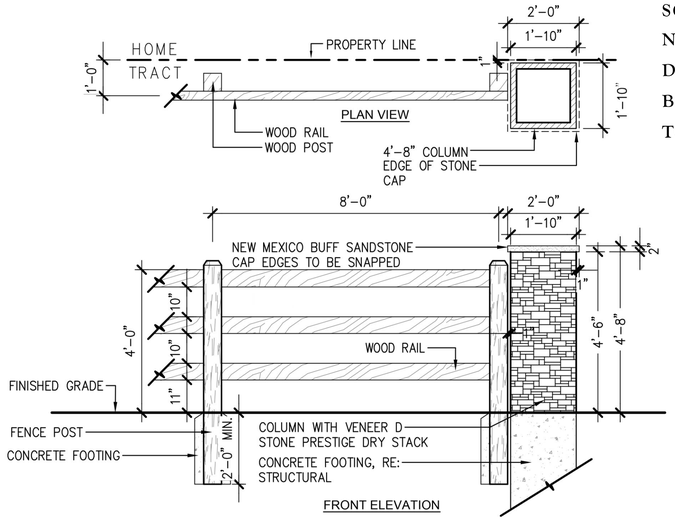
Sheet LD1.3 of XX

Date 12 FEBRUARY 2016

PATH: X:\WILCOX\MOUNTAIN SKY - 15164.00\06 - CONSTRUCTION DOCUMENTS (CD)\SHEETS\04 - LANDSCAPE DETAILS.DWG
PLOTTED BY: Garrett Graham PLOT DATE: 2/12/2016 4:00 PM
XREFS:

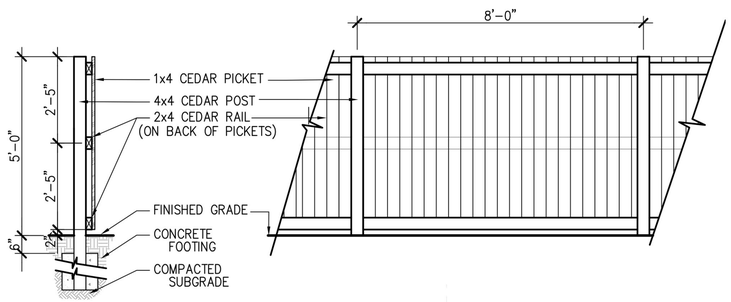
AeccDbFace (AeccLand100)

12' CONCRETE PATH
APPROXIMATE LOCATION OF BYPASS SWALE
DETENTION
6' WIDE CRUSHED GRANITE SOFT SURFACE TRAIL
PHASE 1 BOUNDARY
DRAINAGE SWALE/ BYPASS CHANNEL
NATIVE GRASS - NON IRRIGATED
3 RAIL FENCE
DECIDUOUS TREES 35' O.C.
5' Ht Privacy Fence Between Lots
30' SIGHT TRIANGLE
6' WIDE CRUSHED GRANITE SOFT SURFACE TRAIL
NATIVE GRASS
DECIDUOUS/ EVERGREEN TREES
BENCHES
TOT LOT
CO RD 29 1/2
CO RD 12




Wood Three Rail Fence Detail

NTS




5' HT. Privacy Fence

NTS

# Mountain Sky Phase 1

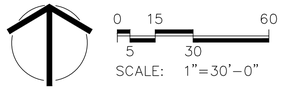
## Ft Lupton, Colorado

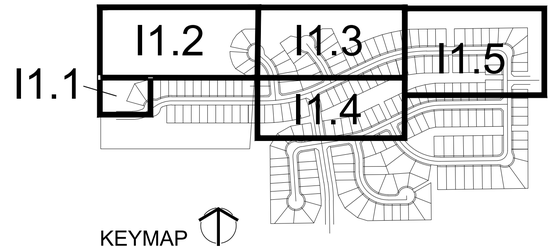
Conceptual Landscape Plan

Date: January 27th, 2016

DHM DESIGN
900 S. Broadway
Suite 300
Denver, CO 80209
303.892.5566
www.dhmdesign.com

0 50 200
25 100
SCALE: 1"=100'-0"




## Irrigation Equipment and Materials Schedule

| SYMBOL | MANUFACTURER | MODEL NO. | DESCRIPTION | DETAIL NO. | COMMENTS |
|---|---|---|---|---|---|
| ● x | RAIN BIRD | 1806 SAM PRS W/ HE-VAN NOZZ. | POP-UP SPRAY HEAD | 1 | |
| | RAIN BIRD | RWS-M-B-C-1401 W/ RWS-SOCK | ROOT WATERING SYSTEM | 16 | |
| (R) | RAIN BIRD | WR2-RFC | WIRELESS RAIN/FREEZE SENSOR | 13 | |
| | RAIN BIRD | LSP1-TURF | TWO-WIRE SURGE ARRESTOR | 11 | |
| ▼ | RAIN BIRD | 44 LRC | QUICK COUPLING VALVE | 4 | |
| | RAIN BIRD | PEB SERIES | ELECTRIC CONTROL VALVE | 3 | w/ DECODER |
| | RAIN BIRD | ESP-LXD SERIES | ELECTRIC CONTROLLER | 12 | TWO-WIRE SYSTEM |
| | | LINE SIZE | GATE VALVE | 5 | |
| | FEBCO | 825YA - 3/4" | BACKFLOW PREVENTER | 14 & 15 | |
| | BUCKNER/SUPERIOR | 3200 SERIES - 3/4" DIA. | MASTER VALVE | 2 | w/ DECODER |
| | RAIN BIRD | XCZ-100-PRB-COM | DRIP VALVE ASSEMBLY | 8 | w/ DECODER |
| ■ | | LINE SIZE | DRIP LINE BLOW-OUT STUB | 10 | |
| | RAIN BIRD | XBS-075 | POLY DRIP TUBING | 9 | |
| | | CLASS 200 SOLVENT WELD | PVC SLEEVING | | |
| | | CLASS 200 SOLVENT WELD - 1" DIA. UNLESS NOTED OTHERWISE | PVC LATERAL | 7 | |
| | | CLASS 200 SOLVENT WELD | PVC MAINLINE | 6 & 7 | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

CONTROLLER & STATION NO.
CONTROL VALVE SIZE

## Irrigation Construction Notes

1. ALL BASE INFORMATION HAS BEEN TAKEN FROM DRAWINGS PREPARED BY DHM DESIGN
2. REFER TO TECHNICAL SPECIFICATIONS AND CONSTRUCTION DETAILS FOR INSTALLATION PROCEDURES.
3. CONTRACTOR SHALL FIELD VERIFY PRESSURE AT BACKFLOW PREVENTER LOCATION FOR EACH TAP PRIOR TO ORDERING MATERIALS OR STARTING ANY IRRIGATION INSTALLATION AND NOTIFY CONSULTANT OF ANY DIFFERENCES FROM STATED PRESSURE. IF CONTRACTOR FAILS TO NOTIFY CONSULTANT HE ASSUMES FULL RESPONSIBILITY FOR ANY SYSTEM ALTERATIONS. EACH SYSTEM HAS BEEN DESIGNED FOR A STATIC PRESSURE OF 90 PSI PER CITY OF FT. LUPTON).

| TAP LOCATION/NUMBER | REQUIRED PRESSURE |
|---|---|
| 1 | 72 PSI |

4. CONTRACTOR SHALL COORDINATE INSTALLATION OF SLEEVING WITH INSTALLATION OF CONCRETE FLATWORK AND PAVING. ALL SLEEVING IS BY CONTRACTOR UNLESS OTHERWISE NOTED. UNLESS NOTED OTHERWISE ON IRRIGATION PLANS INSTALL SLEEVING BASED ON SLEEVE SIZING GUIDE BELOW:

| PIPE SIZE OR WIRE QUANTITY | REQUIRED SLEEVE |
|---|---|
| 3/4" - 1" PIPING | 1-2" PVC SLEEVE |
| 1-1/2" - 2" PIPING | 1-4" PVC SLEEVE |
| TWO-WIRE DECODER CABLE | 1-2" PVC SLEEVE |

NOTE: EACH LENGTH OF SLEEVED PIPE SHOWN SHALL BE ROUTED THROUGH SEPARATE SLEEVE. IRRIGATION WIRE BUNDLE SHALL BE ROUTED IN SEPARATE SLEEVE/CONDUIT WITHOUT IRRIGATION PIPING

5. WHERE NOT NOTED ON IRRIGATION PLANS CONTRACTOR TO INSTALL PLASTIC 15 SERIES NOZZLES ON POP-UP SPRAY HEADS SPACED GREATER THAN 12 FEET. INSTALL 12 SERIES NOZZLES ON POP-UP SPRAY HEADS SPACED 10-12 FEET. INSTALL 10 SERIES NOZZLES ON ALL POP-UP SPRAY HEADS SPACED 8-10 FEET. INSTALL 8 SERIES NOZZLES ON POP-UP SPRAY HEADS SPACED 8 FEET AND LESS.
6. REFER TO PLANTING PLAN FOR EXACT TREE LOCATIONS AND QUANTITIES, TREES SHOWN ON IRRIGATION PLANS ARE APPROXIMATE.
7. CONTRACTOR SHALL REPAIR OF REPLACE ANY EXISTING IRRIGATION EQUIPMENT, TURF, PLANT MATERIAL OR SITE FEATURES DAMAGED DURING NEW INSTALLATION. REPLACEMENT OR REPAIR OF DAMAGED EQUIPMENT OR MATERIAL SHALL BE DETERMINED BY THE OWNER AND THE CONSULTANT.
8. VALVE BOXES SHALL BE LOCATED 36" MINIMUM FROM CENTERLINE OF ALL SWALES, 24" MINIMUM FROM EDGES OF ALL WALKS, CURBS, DRIVES AND OTHER HARD SURFACE AREAS.
9. REFER TO IRRIGATION TECHNICAL SPECIFICATIONS FOR PLANTING AND IRRIGATION LAY-OUT REQUIREMENTS, COORDINATION AND PRIORITIES.
10. LATERAL PIPING DIAMETERS SHALL INCLUDE 1" AND 1-1/2", 3/4" AND 1 1/4" DIAMETER LATERAL PIPE IS NOT ACCEPTABLE.


AVOCET IRRIGATION DESIGN
7114 W. JEFFERSON AVENUE, SUITE 201
LAKEWOOD, COLORADO 80235
VOICE: 303.986.2175
FAX: 303.989.5814


PATH: C:\--DWG\MOUNTAIN SKY\IRRIGATION 2-10-16.DWG
PLOTTED BY: PLOT DATE:
XREFS:

| DATE | REVISION DESCRIPTION |
|---|---|
| 6 | |
| 5 | |
| 4 | |
| 3 | |
| 2 | |
| 1 | |

Drawing Name: RText (RText)
Job Number: EQUINOX MTN SKY
Prepared For: FORT LUPTON

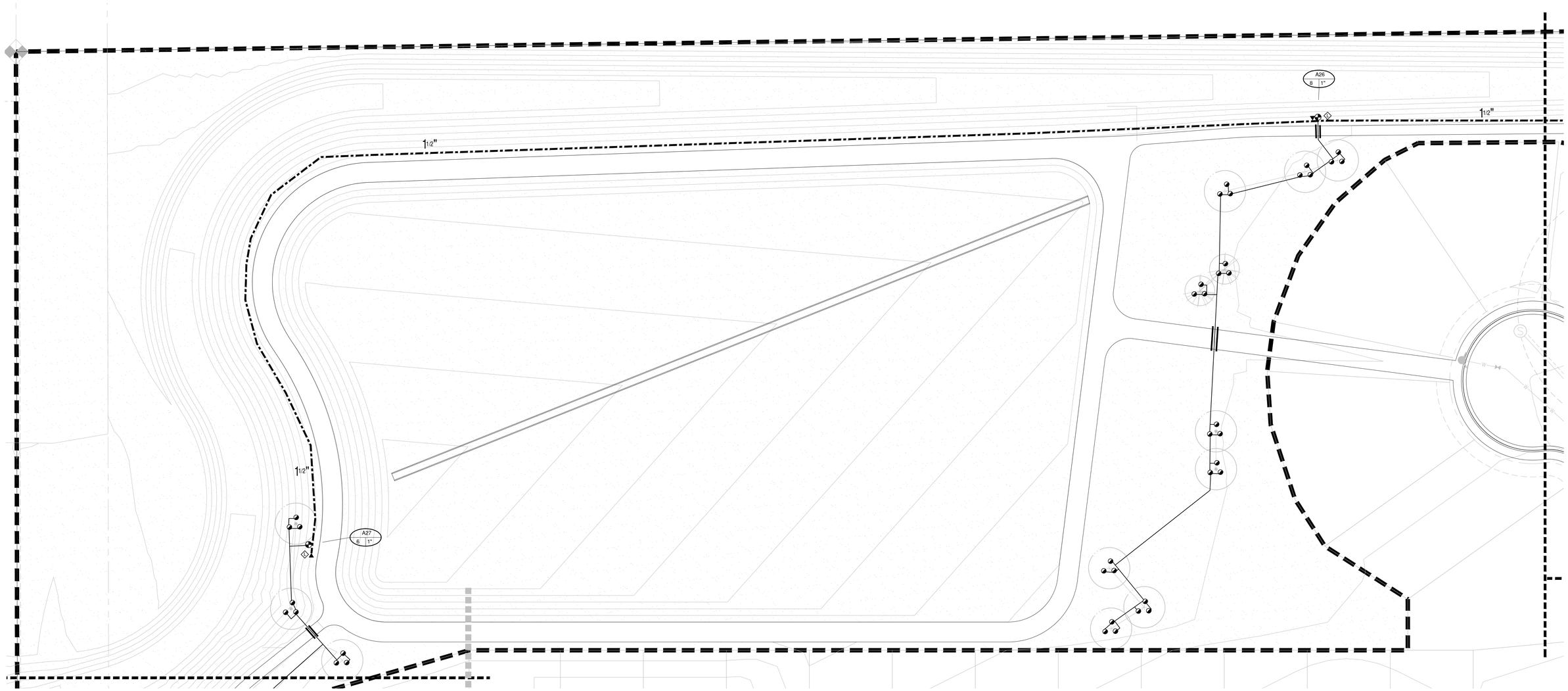
0 15 30 60
1 inch = 30 ft. Horizontal
1 inch = 0 ft Vertical

| Designer | Drafter | Checked |
|---|---|---|
| DCZ | DCZ | DCZ |


Calibre
Calibre Engineering, Inc.
9090 South Ridgeline Boulevard, Suite 105
Highlands Ranch, CO 80129 (303) 730-0434
www.calibre-engineering.com
Construction Management Civil Engineering Surveying


# MOUNTAIN SKY
## FINAL DEVELOPMENT PLANS
## IRRIGATION PLAN

Sheet I1.1 - of -
Date 12 FEBRUARY 2016




PATH: C:\~DWG\MOUNTAIN SKY\IRRIGATION 2-10-16.DWG
PLOTTED BY: David PLOT DATE: 2/12/2016 7:27 AM
XREFS:

| | | |
|---|---|---|
| 6 | | |
| 5 | | |
| 4 | | |
| 3 | | |
| 2 | | |
| 1 | | |
| DATE | REVISION DESCRIPTION | |

Drawing Name
RText (RText)

Job Number
EQUINOX MTN SKY

Prepared For
FORT LUPTON

0 15 30 60
1 inch = 30 ft. Horizontal
1 inch = 0 ft Vertical

| Designer | Drafter | Checked |
|---|---|---|
| DCZ | DCZ | DCZ |


Calibre
Calibre Engineering, Inc.
9090 South Ridgeline Boulevard, Suite 105
Highlands Ranch, CO 80129 (303) 730-0434
www.calibre-engineering.com
Construction Management Civil Engineering Surveying

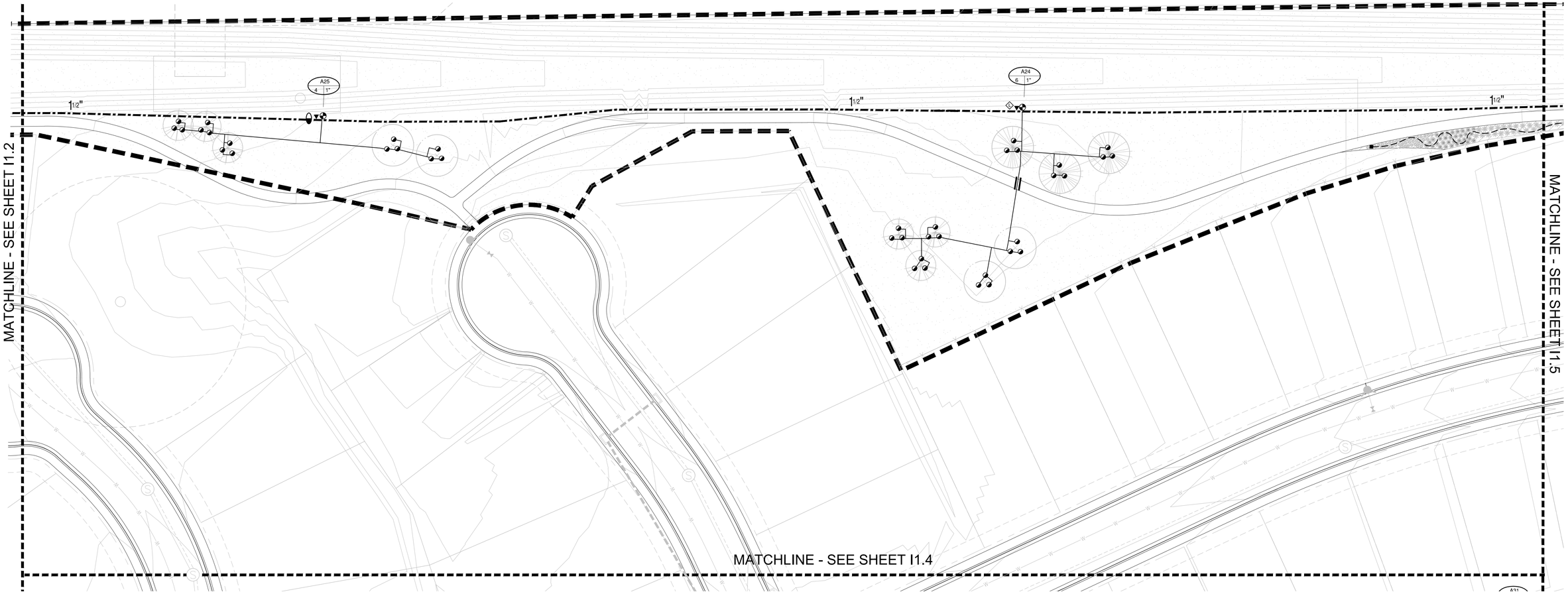

# MOUNTAIN SKY
## FINAL DEVELOPMENT PLANS
## IRRIGATION PLAN

Sheet
I1.□
of

Date
12 FEBRUARY 2016


Avocet
IRRIGATION DESIGN
7114 W. JEFFERSON AVENUE, SUITE 201
LAKEWOOD, COLORADO 80235
VOICE: 303.986.2175
FAX: 303.989.5814


0 15 60
5 30
SCALE: 1"=30'-0"




IRRIGATION DESIGN
7114 W. JEFFERSON AVENUE, SUITE 201
LAKEWOOD, COLORADO 80235
VOICE: 303.986.2175
FAX: 303.989.5814

0 15 60
5 30
SCALE: 1"=30'-0"

| DATE | REVISION DESCRIPTION |
|---|---|
| 6 | |
| 5 | |
| 4 | |
| 3 | |
| 2 | |
| 1 | |

Drawing Name: RText (RText)
Job Number: EQUINOX MTN SKY
Prepared For: FORT LUPTON

0 15 30 30
1 inch = 30 ft. Horizontal
1 inch = 0 ft Vertical

| Designer | Drafter | Checked |
|---|---|---|
| DCZ | DCZ | DCZ |

Calibre
Calibre Engineering, Inc.
9090 South Ridgeline Boulevard, Suite 105
Highlands Ranch, CO 80129 (303) 730-0434
www.calibre-engineering.com
Construction Management Civil Engineering Surveying

# MOUNTAIN SKY
## FINAL DEVELOPMENT PLANS
## IRRIGATION PLAN

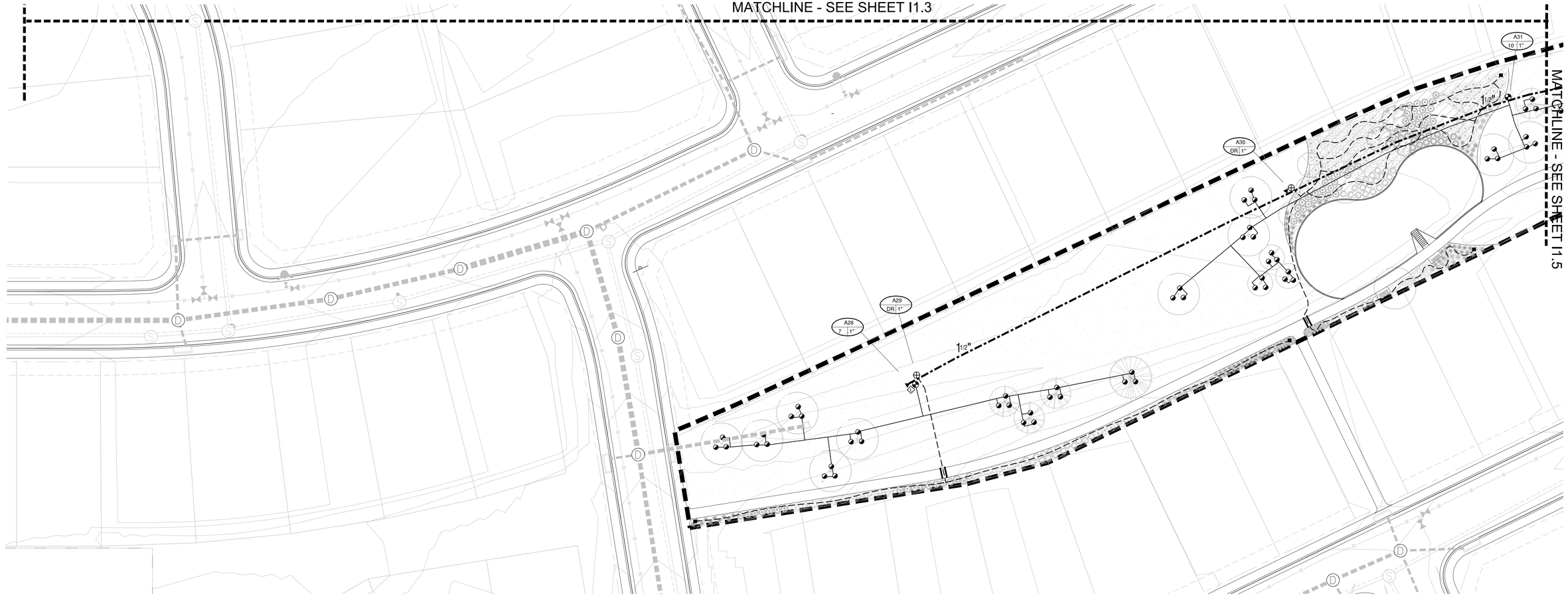
Sheet I1.□ of

Date 12 FEBRUARY 2016

PATH: C:\--DWG\MOUNTAIN SKY\IRRIGATION 2-10-16.DWG
PLOTTED BY: David PLOT DATE: 2/12/2016 7:28 AM
XREFS:

MATCHLINE - SEE SHEET I1.3

MATCHLINE - SEE SHEET I1.5




Avocet
IRRIGATION DESIGN
7114 W. JEFFERSON AVENUE, SUITE 201
LAKEWOOD, COLORADO 80235
VOICE: 303.986.2175
FAX: 303.989.5814

0 15 60
5 30
SCALE: 1"=30'-0"

| | DATE | REVISION DESCRIPTION |
|---|---|---|
| 6 | | |
| 5 | | |
| 4 | | |
| 3 | | |
| 2 | | |
| 1 | | |

Drawing Name: RText (RText)
Job Number: EQUINOX MTN SKY
Prepared For: FORT LUPTON

0 15 30 30
1 inch = 30 ft. Horizontal
1 inch = 0 ft Vertical

| Designer | Drafter | Checked |
|---|---|---|
| DCZ | DCZ | DCZ |

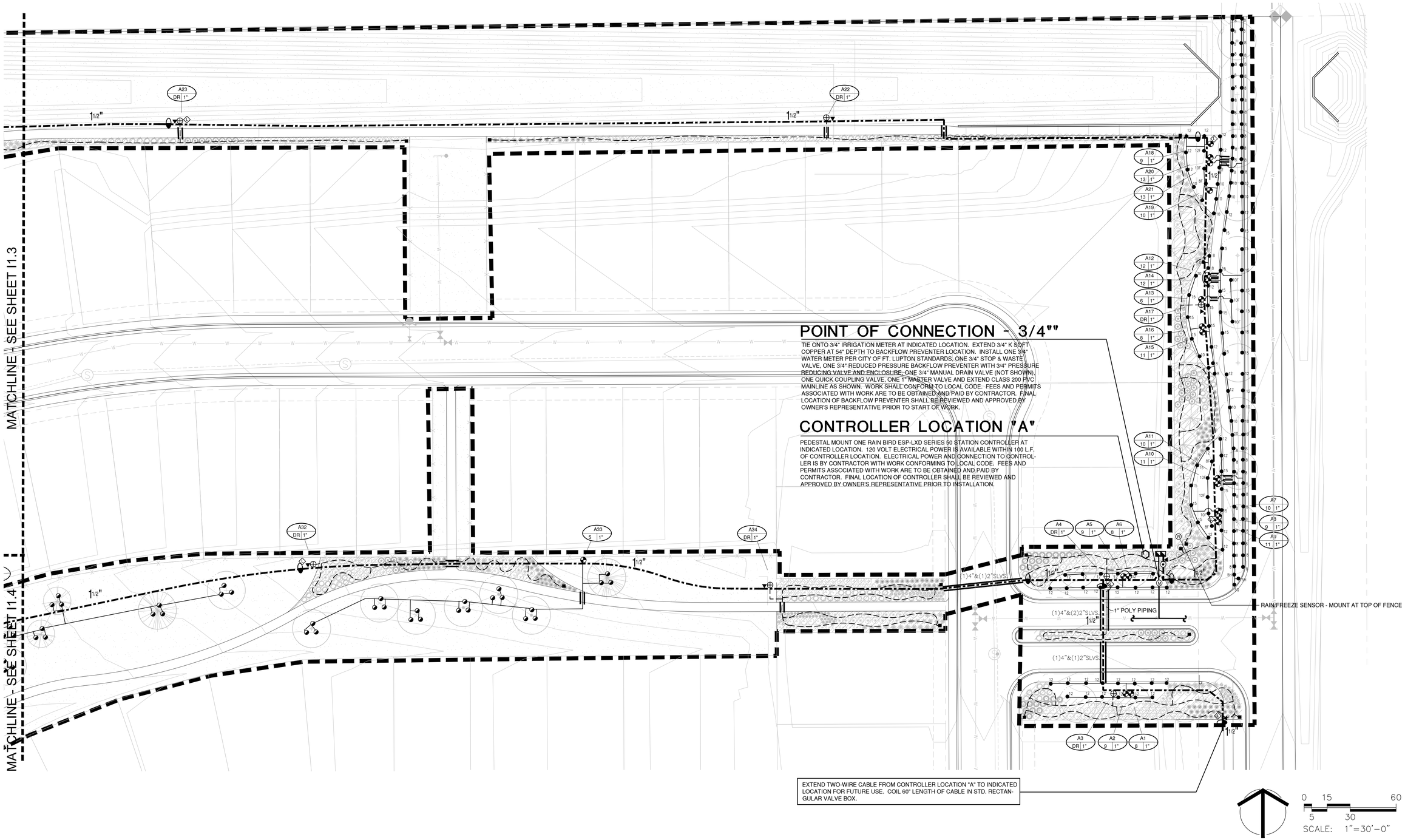

Calibre
Calibre Engineering, Inc.
9090 South Ridgeline Boulevard, Suite 105
Highlands Ranch, CO 80129 (303) 730-0434
www.calibre-engineering.com
Construction Management Civil Engineering Surveying


# MOUNTAIN SKY
## FINAL DEVELOPMENT PLANS
## IRRIGATION PLAN

Sheet I1.□ of

Date 12 FEBRUARY 2016

PATH: C:\~DWG\MOUNTAIN SKY\IRRIGATION 2-10-16.DWG
PLOTTED BY: David PLOT DATE: 2/12/2016 7:28 AM
XREFS:




## POINT OF CONNECTION - 3/4""

TIE ONTO 3/4" IRRIGATION METER AT INDICATED LOCATION. EXTEND 3/4" K SOFT COPPER AT 54" DEPTH TO BACKFLOW PREVENTER LOCATION. INSTALL ONE 3/4" WATER METER PER CITY OF FT. LUPTON STANDARDS, ONE 3/4" STOP & WASTE VALVE, ONE 3/4" REDUCED PRESSURE BACKFLOW PREVENTER WITH 3/4" PRESSURE REDUCING VALVE AND ENCLOSURE, ONE 3/4" MANUAL DRAIN VALVE (NOT SHOWN), ONE QUICK COUPLING VALVE, ONE 1" MASTER VALVE AND EXTEND CLASS 200 PVC MAINLINE AS SHOWN. WORK SHALL CONFORM TO LOCAL CODE. FEES AND PERMITS ASSOCIATED WITH WORK ARE TO BE OBTAINED AND PAID BY CONTRACTOR. FINAL LOCATION OF BACKFLOW PREVENTER SHALL BE REVIEWED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO START OF WORK.

## CONTROLLER LOCATION "A"

PEDESTAL MOUNT ONE RAIN BIRD ESP-LXD SERIES 50 STATION CONTROLLER AT INDICATED LOCATION. 120 VOLT ELECTRICAL POWER IS AVAILABLE WITHIN 100 L.F. OF CONTROLLER LOCATION. ELECTRICAL POWER AND CONNECTION TO CONTROLLER IS BY CONTRACTOR WITH WORK CONFORMING TO LOCAL CODE. FEES AND PERMITS ASSOCIATED WITH WORK ARE TO BE OBTAINED AND PAID BY CONTRACTOR. FINAL LOCATION OF CONTROLLER SHALL BE REVIEWED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

EXTEND TWO-WIRE CABLE FROM CONTROLLER LOCATION "A" TO INDICATED LOCATION FOR FUTURE USE. COIL 60" LENGTH OF CABLE IN STD. RECTANGULAR VALVE BOX.

0 15 60
5 30
SCALE: 1"=30'-0"

PATH: C:\~DWG\MOUNTAIN SKY\IRRIGATION 2-10-16.DWG
PLOTTED BY: David PLOT DATE: 2/12/2016 7:30 AM
XREFS:

| | DATE | REVISION DESCRIPTION |
|---|---|---|
| 6 | | |
| 5 | | |
| 4 | | |
| 3 | | |
| 2 | | |
| 1 | | |

Drawing Name: RText (RText)
Job Number: EQUINOX MTN SKY
Prepared For: FORT LUPTON

0 15 30 30
1 inch = 30 ft. Horizontal
1 inch = 0 ft Vertical

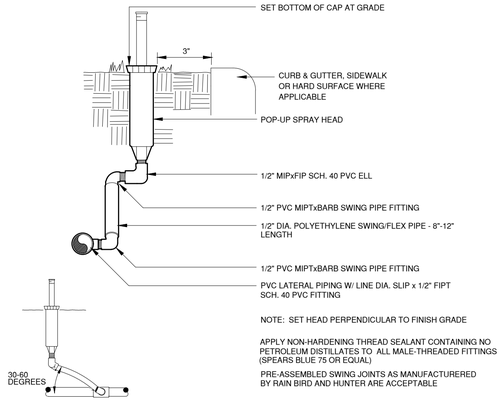
| Designer | Drafter | Checked |
|---|---|---|
| DCZ | DCZ | DCZ |

Calibre
Calibre Engineering, Inc.
9090 South Ridgeline Boulevard, Suite 105
Highlands Ranch, CO 80129 (303) 730-0434
www.calibre-engineering.com
Construction Management Civil Engineering Surveying

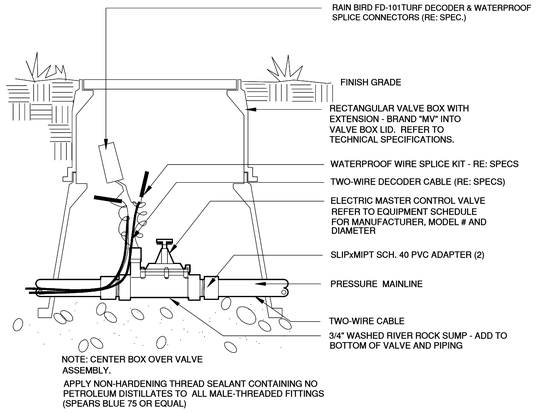
# MOUNTAIN SKY
## FINAL DEVELOPMENT PLANS
## IRRIGATION PLAN

Sheet I1.□ of

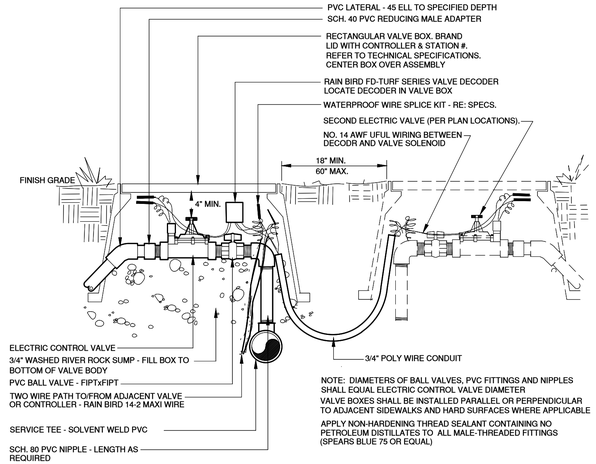
Date 12 FEBRUARY 2016



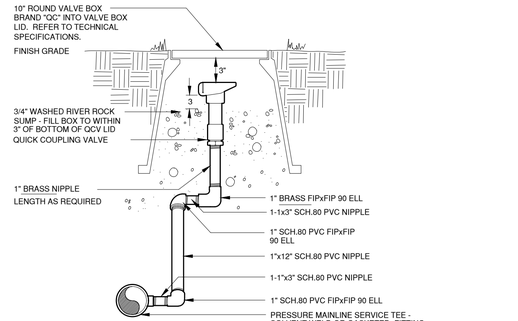

## POP-UP SPRAY HEAD 1



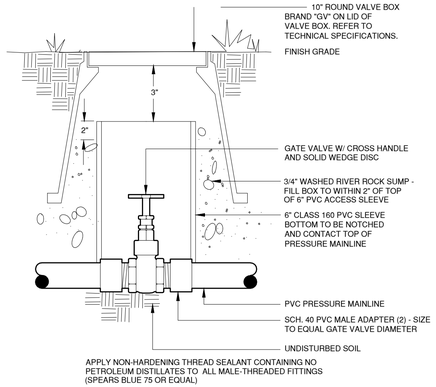

## MASTER VALVE 2



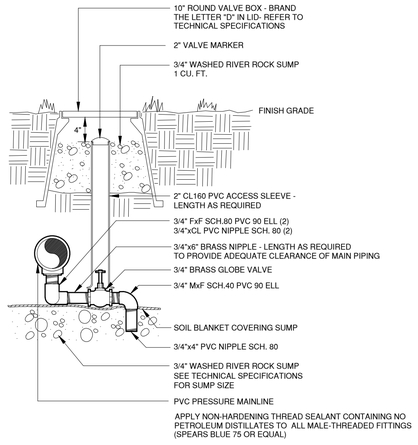

## ELECTRIC CONTROL VALVE 3



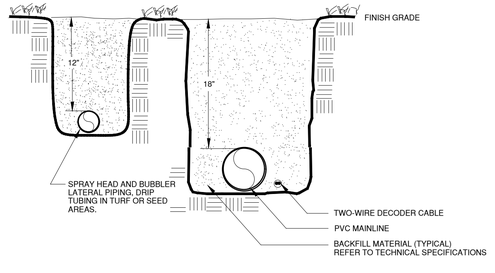

## QUICK COUPLING VALVE 4



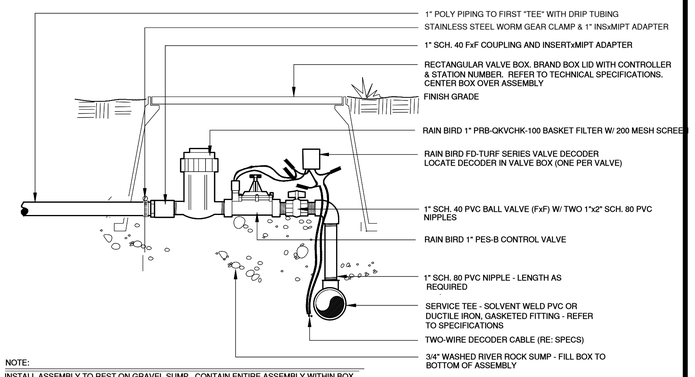

## GATE VALVE 5




## MANUAL DRAIN VALVE 6




## TRENCH 7




## DRIP VALVE ASSEMBLY 8

PATH: C:\--DWG\MOUNTAIN SKY\IRRIGATION 2-10-16.DWG
PLOTTED BY: David PLOT DATE: 2/12/2016 7:30 AM
XREFS:

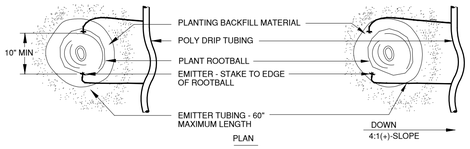
| DATE | REVISION DESCRIPTION |
|---|---|
| | 6 |
| | 5 |
| | 4 |
| | 3 |
| | 2 |
| | 1 |

Drawing Name: RText (RText)
Job Number: EQUINOX MTN SKY
Prepared For: FORT LUPTON
0 15 30 30
1 inch = 30 ft. Horizontal
1 inch = 0 ft Vertical
Designer: DCZ | Drafter: DCZ | Checked: DCZ

Calibre
Calibre Engineering, Inc.
9090 South Ridgeline Boulevard, Suite 105
Highlands Ranch, CO 80129 (303) 730-0434
www.calibre-engineering.com
Construction Management Civil Engineering Surveying

# MOUNTAIN SKY
## FINAL DEVELOPMENT PLANS
## IRRIGATION DETAILS

Sheet I1.□ of
Date 12 FEBRUARY 2016




| PLANT SIZE | EMITTER FLOW RATE | EMITTER QTY. AT MULCHED BED LOCATIONS | EMITTER QTY. AT NATIVE SEED LOCATIONS |
|---|---|---|---|
| 1 GALLON MATERIAL | 0.5 GPH | ONE EACH | ONE EACH |
| 5 GALLON MATERIAL | 0.5 GPH | TWO EACH | TWO EACH |
| 1 1/2" CALIPER TREE | 1.0 GPH | THREE EACH | FOUR EACH |
| 2" CALIPER TREE | 1.0 GPH | FOUR EACH | SIX EACH |
| 2 1/2" CALIPER TREE | 1.0 GPH | SIX EACH | EIGHT EACH |
| 3" CALIPER TREE | 1.0 GPH | EIGHT EACH | TEN EACH |
| 3 1/2" CALIPER TREE | 1.0 GPH | NINE EACH | ELEVEN EACH |
| 4" CALIPER TREE | 1.0 GPH | TEN EACH | TWELVE EACH |
| 6 FT. CONIFEROUS TREE | 1.0 GPH | FOUR EACH | SIX EACH |
| 8 FT. CONIFEROUS TREE | 1.0 GPH | SIX EACH | NINE EACH |
| 10 FT. CONIFEROUS TREE | 1.0 GPH | EIGHT EACH | TWELVE EACH |
| 12 FT. CONIFEROUS TREE | 1.0 GPH | TEN EACH | FOURTEEN EACH |

NOTES:

INSTALL EMITTERS ON OPPOSING SIDES OF ROOTBALL. THREE OR MORE EMITTERS SHALL BE EQUALLY SPACED AROUND ROOT BALL.

EMITTERS ARE TO BE INSTALLED TO CLEAR SURFACE BY A MINIMUM OF 1" AND A MAXIMUM OF 2".

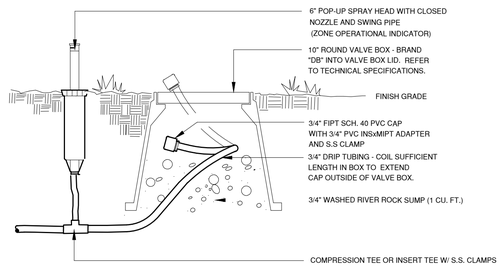
FLUSH ALL LINES THOROUGHLY, INCLUDING EMITTER MICRO-TUBING PRIOR TO EMITTER INSTALLATION.

IF PLANTING ON A 4:1 SLOPE OR STEEPER, INSTALL BOTH EMITTERS ON UPHILL SIDE OF ROOT BALL.

EMITTERS SHALL BE SELF-FLUSHING, PRESSURE COMPENSATING-TYPE UNLESS NOTED OTHERWISE WITHIN TECHNICAL SPECIFICATIONS.

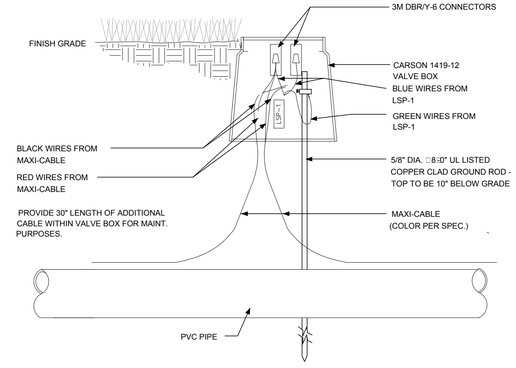
## DRIP EMITTER

9



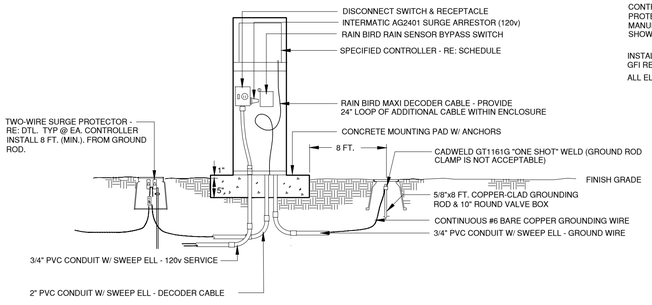

## DRIP LINE BLOW-OUT STUB

10




## TWO-WIRE SURGE ARRESTOR

11

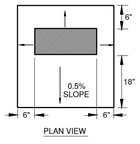



NOTES:

CONTRACTOR TO GROUND AND PROVIDE SURGE PROTECTION FOR CONTROLLER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND GROUNDING SHOWN.

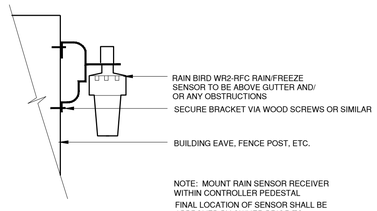
INSTALL A DISCONNECT SWITCH AND 120 VOLT GFI RECEPTACLE WITHIN PEDESTAL

ALL ELECTRICAL WORK TO CONFORM TO LOCAL CODE.




## ELECTRIC CONTROLLER - TWO-WIRE SYSTEM

12




NOTE: MOUNT RAIN SENSOR RECEIVER WITHIN CONTROLLER PEDESTAL

FINAL LOCATION OF SENSOR SHALL BE APPROVED BY OWNER PRIOR TO INSTALLATION.

## RAIN/FREEZE SENSOR

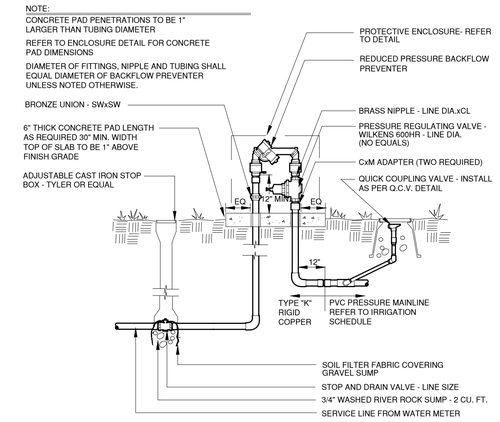
13

NOTE:

CONCRETE PAD PENETRATIONS TO BE 1" LARGER THAN TUBING DIAMETER

REFER TO ENCLOSURE DETAIL FOR CONCRETE PAD DIMENSIONS

DIAMETER OF FITTINGS, NIPPLE AND TUBING SHALL EQUAL DIAMETER OF BACKFLOW PREVENTER UNLESS NOTED OTHERWISE.




## BACKFLOW PREVENTER

14

PATH: C:\--DWG\MOUNTAIN SKY\IRRIGATION 2-10-16.DWG
PLOTTED BY: David PLOT DATE: 2/12/2016 7:30 AM
XREFS:

| | DATE | REVISION DESCRIPTION |
|---|---|---|
| 6 | | |
| 5 | | |
| 4 | | |
| 3 | | |
| 2 | | |
| 1 | | |

Drawing Name: RText (RText)
Job Number: EQUINOX MTN SKY
Prepared For: FORT LUPTON
0 15 30 30
1 inch = 30 ft. Horizontal
1 inch = 0 ft Vertical
Designer: DCZ | Drafter: DCZ | Checked: DCZ


Calibre
Calibre Engineering, Inc.
9090 South Ridgeline Boulevard, Suite 105
Highlands Ranch, CO 80129 (303) 730-0434
www.calibre-engineering.com
Construction Management Civil Engineering Surveying


# MOUNTAIN SKY
## FINAL DEVELOPMENT PLANS
## IRRIGATION DETAILS

Sheet I1.□ of

Date 12 FEBRUARY 2016

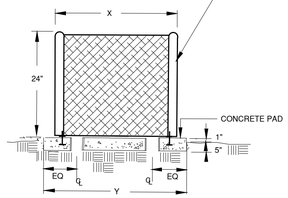
NOTES

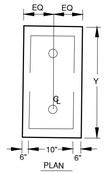
PAD PENETRATIONS FOR BACKFLOW PREVENTER RISERS TO BE 1" LARGER THAN RISER DIAMETER

TOP SURFACE OF CONCRETE PAD SHALL BE 1" ABOVE FINISH GRADE.

| BFP MODEL/SIZE | ENCLOSURE MODEL | X | Y |
|---|---|---|---|
| FEBCO 825YA - 3/4" & 1" | HGS-1 | 22" | 34" |
| FEBCO 825YA - 1 1/2" & 2" | HGS-2 | 30" | 42" |

BPDI GUARDSHACK HGS SERIES ENCLOSURE




PLAN

INSTALL ENCLOSURE ANCHORS AS PER MANUFACTURER'S RECOMMENDATIONS.

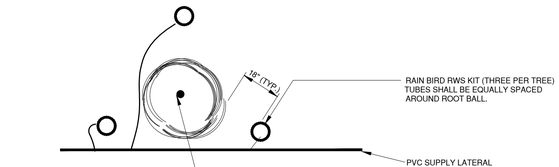
PROVIDE OWNER WITH KEYED PADLOCK FOR ENCLOSURE

PROVIDE ENCLOSURE IN FEDERAL GREEN COLOR

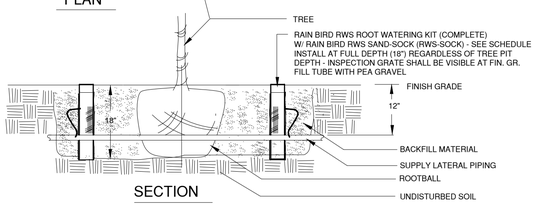
ENCLOSURE SHALL BE INSTALLED W/ GUARDSHACK ES SERIES ENCLOSURE SETTER

# BACKFLOW ENCLOSURE

15




PLAN




SECTION

NOTE:

ALL PERFORATED PIPE SHALL BE INSTALLED PLUMB

INSTALL ALL CAPS AND BUBBLERS WITH SOFT ADHESIVE TAPE TO PERFORATED PIPE.

INSTALL BUBBLERS EQUALLY AROUND ROOT BALL

# ROOT WATERING SYSTEM

16

PATH: C:\--DWG\MOUNTAIN SKY\IRRIGATION 2-10-16.DWG
PLOTTED BY: _____ PLOT DATE: 2/12/2016 7:33 AM
XREFS: -

| | DATE | REVISION DESCRIPTION |
|---|---|---|
| 6 | | |
| 5 | | |
| 4 | | |
| 3 | | |
| 2 | | |
| 1 | | |

Drawing Name: RText (RText)

Job Number: EQUINOX MTN SKY

Prepared For: FORT LUPTON

0 15 30 60

1 inch = 30 ft. Horizontal
1 inch = 0 ft Vertical

| Designer | Drafter | Checked |
|---|---|---|
| DCZ | DCZ | DCZ |


Calibre
Calibre Engineering, Inc.
9090 South Ridgeline Boulevard, Suite 105
Highlands Ranch, CO 80129 (303) 730-0434
www.calibre-engineering.com
Construction Management Civil Engineering Surveying


**MOUNTAIN SKY**
**FINAL DEVELOPMENT PLANS**
**IRRIGATION DETAILS**

Sheet I1.8 of

Date 12 FEBRUARY 2016