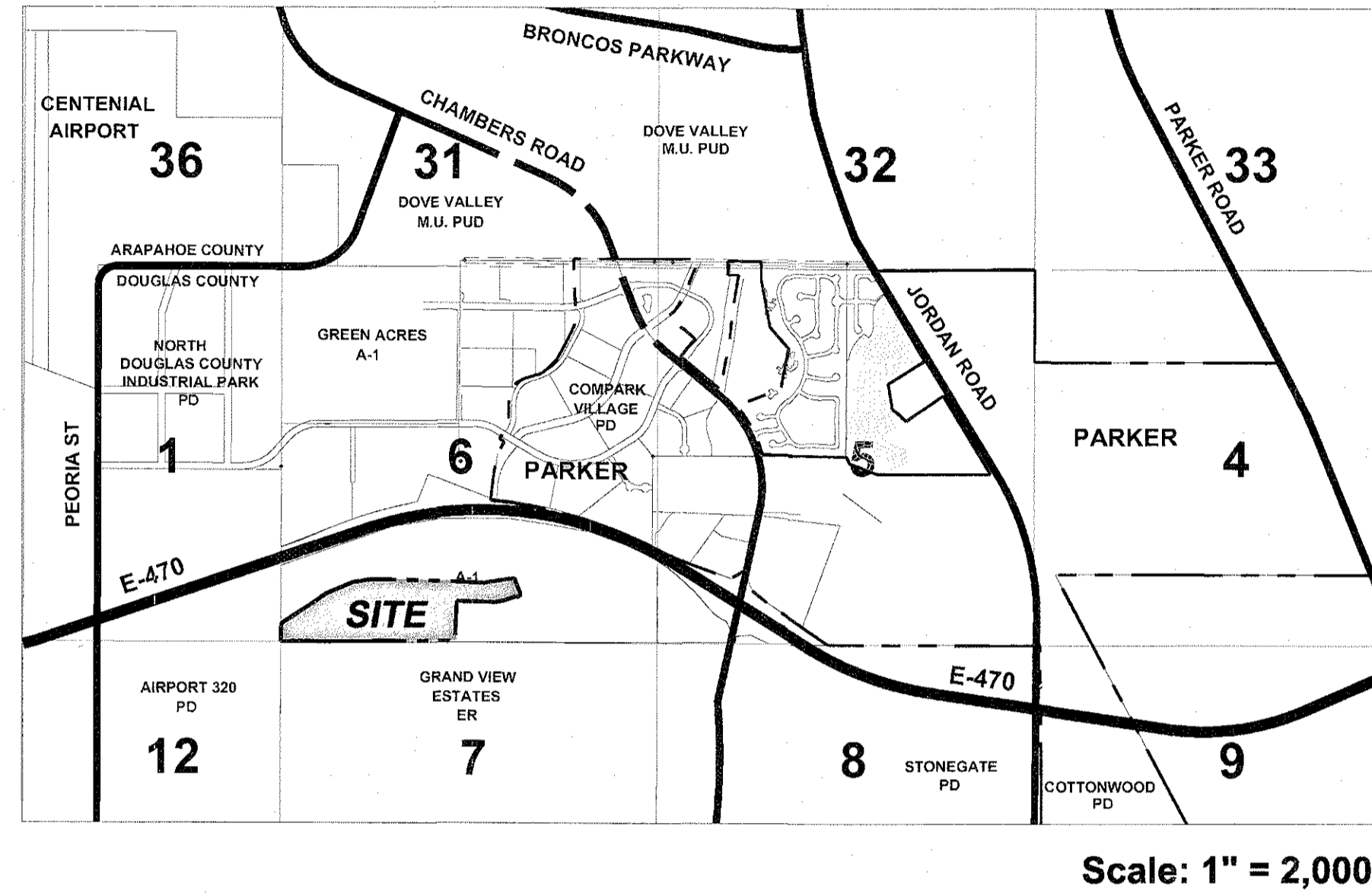


COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN

A PARCEL OF LAND LOCATED IN THE SOUTH HALF OF SECTION 6, TOWNSHIP 6 SOUTH RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO
PLANNING AREA 17 & 18
32.86 ACRES, 192 RESIDENTIAL UNITS, 20 TRACTS

Vicinity Map



SITE DATA:

LOCATION: SOUTHWEST OF INTERSECTION OF S. CHAMBERS ROAD AND E-470;
PA-17 AND 18 IN THE COMPARK VILLAGE PD FOURTH AMENDMENT

AREA: 32.859 ACRES

ZONING:
PLANNED DEVELOPMENT

NOTES:

1. NO HISTORICAL OR ARCHAEOLOGICAL FEATURES HAVE BEEN IDENTIFIED ON THE SITE
2. NO WILDLIFE HABITAT AREAS HAVE BEEN IDENTIFIED ON THE SITE

COMPARK SOUTH - LEGAL DESCRIPTION

TRACT H, COMPARK VILLAGE SOUTH ALTA DESCRIPTION
PART OF LOTS 21, 22, AND 23, GREEN ACRES SUBDIVISION RECORDED IN BOOK 1152 AT PAGE 883, AT RECEPTION NO. 105760 OF THE RECORDS OF THE DOUGLAS COUNTY CLERK AND RECORDER TOGETHER WITH PART OF THE SOUTH HALF OF SECTION 6, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF DOUGLAS, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 6 AND CONSIDERING THE WEST LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 6 TO BEAR NORTH 00°30'14" WEST, AND MONUMENTED AS SHOWN HEREON, WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO;

THENCE NORTH 87°55'04" EAST, ALONG THE SOUTH LINE OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 6, A DISTANCE OF 487.85 FEET TO THE POINT OF BEGINNING;

THENCE NORTH 01°13'56" WEST, A DISTANCE OF 190.72 FEET;
THENCE NORTH 49°15'47" WEST, A DISTANCE OF 3.50 FEET TO A POINT OF CURVATURE;

THENCE ALONG THE ARC OF A TANGENT CURVE TO THE RIGHT HAVING A CENTRAL ANGLE OF 148°02'43", A RADIUS OF 52.00 FEET, AN ARC LENGTH OF 134.36 FEET, THE CHORD OF WHICH BEARS NORTH 24°45'34" EAST, A DISTANCE OF 99.98 FEET TO A NON-TANGENT LINE;

THENCE NORTH 46°57'03" WEST, A DISTANCE OF 180.84 FEET;
THENCE NORTH 52°39'42" EAST, A DISTANCE OF 226.57 FEET TO A POINT OF CURVATURE;

THENCE ALONG THE ARC OF A TANGENT CURVE TO THE RIGHT HAVING A CENTRAL ANGLE OF 37°49'41", A RADIUS OF 1,445.00 FEET, AN ARC LENGTH OF 954.03 FEET, THE CHORD OF WHICH BEARS NORTH 71°34'32" EAST, A DISTANCE OF 936.79 FEET TO A POINT OF TANGENCY;

THENCE SOUTH 89°30'37" EAST, A DISTANCE OF 1,237.63 FEET TO A POINT OF CURVATURE;

THENCE ALONG THE ARC OF A TANGENT CURVE TO THE LEFT HAVING A CENTRAL ANGLE OF 26°11'10", A RADIUS OF 1,130.00 FEET, AN ARC LENGTH OF 516.45 FEET, THE CHORD OF WHICH BEARS NORTH 77°23'48" EAST, A DISTANCE OF 511.96 FEET TO A NON-TANGENT LINE;

THENCE SOUTH 24°18'07" EAST, A DISTANCE OF 164.92 FEET;
THENCE NORTH 65°41'53" EAST, A DISTANCE OF 19.50 FEET;
THENCE SOUTH 24°18'07" EAST, A DISTANCE OF 55.00 FEET;
THENCE SOUTH 65°41'53" WEST, A DISTANCE OF 19.50 FEET;
THENCE SOUTH 24°18'07" EAST, A DISTANCE OF 19.50 FEET;
THENCE SOUTH 65°41'53" WEST, A DISTANCE OF 55.00 FEET;
THENCE NORTH 24°18'07" WEST, A DISTANCE OF 19.50 FEET;
THENCE SOUTH 65°41'53" WEST, A DISTANCE OF 68.71 FEET TO A POINT OF CURVATURE;

THENCE ALONG THE ARC OF A TANGENT CURVE TO THE RIGHT HAVING A CENTRAL ANGLE OF 24°47'30", A RADIUS OF 777.50 FEET, AN ARC LENGTH OF 336.42 FEET, THE CHORD OF WHICH BEARS SOUTH 78°05'38" WEST, A DISTANCE OF 333.80 FEET TO A POINT OF TANGENCY;

THENCE NORTH 89°30'37" WEST, A DISTANCE OF 592.46 FEET;
THENCE SOUTH 00°29'23" WEST, A DISTANCE OF 220.00 FEET;
THENCE SOUTH 89°30'37" EAST, A DISTANCE OF 19.50 FEET;
THENCE SOUTH 00°29'23" WEST, A DISTANCE OF 55.00 FEET;
THENCE SOUTH 89°30'37" EAST, A DISTANCE OF 175.18 FEET;
THENCE SOUTH 00°16'48" WEST, A DISTANCE OF 177.64 FEET;
THENCE SOUTH 70°12'58" WEST, A DISTANCE OF 7.84 FEET;
THENCE SOUTH 87°20'33" WEST, A DISTANCE OF 226.67 FEET;
THENCE NORTH 78°16'52" WEST, A DISTANCE OF 117.49 FEET;
THENCE SOUTH 85°55'18" WEST, A DISTANCE OF 277.28 FEET;
THENCE SOUTH 78°47'52" WEST, A DISTANCE OF 224.67 FEET;
THENCE SOUTH 87°55'29" WEST, A DISTANCE OF 193.89 FEET;
THENCE SOUTH 87°30'33" WEST, A DISTANCE OF 509.04 FEET;
THENCE SOUTH 87°51'03" WEST, A DISTANCE OF 172.31 FEET;
THENCE SOUTH 78°58'28" WEST, A DISTANCE OF 123.15 FEET TO A POINT OF CURVATURE;

THENCE ALONG THE ARC OF A TANGENT CURVE TO THE LEFT HAVING A CENTRAL ANGLE OF 81°03'24", A RADIUS OF 40.00 FEET, AN ARC LENGTH OF 56.59 FEET, THE CHORD OF WHICH BEARS SOUTH 38°26'48" WEST, A DISTANCE OF 51.99 FEET TO A POINT OF TANGENCY;

THENCE SOUTH 02°04'56" EAST, A DISTANCE OF 16.72 FEET TO SAID SOUTH LINE OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 6;

THENCE SOUTH 87°55'04" WEST, A DISTANCE OF 86.41 FEET ALONG SAID SOUTH LINE TO THE POINT OF BEGINNING.

CONTAINING A CALCULATED AREA OF 1,431,559 SQUARE FEET OR 32.8641 ACRES, MORE OR LESS.

SHEET INDEX:

| | |
|-------|-------------------------------|
| L1 | COVER SHEET |
| L2 | FINAL LANDSCAPE PLAN |
| L3 | FINAL LANDSCAPE PLAN |
| L4 | FINAL LANDSCAPE PLAN |
| L5 | MUSE LANDSCAPE TEMPLATE |
| L6 | MUSE LANDSCAPE TEMPLATE |
| L7 | LANDSCAPE SCHEDULE AND NOTES |
| L8 | LANDSCAPE DETAILS |
| L9 | LANDSCAPE DETAILS |
| L10 | FENCING PLAN |
| L11 | FENCING PLAN |
| L12 | FENCING DETAILS |
| L13 | LANDSCAPE SECTIONS |
| 0 | OVERALL IRRIGATION AREA |
| 1 | IRRIGATION SCHEDULE AND NOTES |
| 2-11 | IRRIGATION PLANS |
| 12-15 | IRRIGATION DETAILS |
| 16 | IRRIGATION CHARTS |

TOWN OF PARKER APPROVALS

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

THIS REVIEW DOES NOT CONSTITUTE APPROVAL OF ANY PRIVATE ON-SITE IMPROVEMENTS WHICH MAY BE SHOWN. CONSTRUCTION CANNOT COMMENCE UNTIL ALL REQUIRED DRAINAGE/TRAFFIC REPORT(S), FINAL DEVELOPMENT PLAN(S), SPECIAL REVIEW(S), GRADING PERMIT, AND/OR OTHER PERMITS ARE COMPLETE, APPROVED AND ON FILE WITH THE TOWN OF PARKER.

TOWN OF PARKER, DIRECTOR OF ENGINEERING

DATE

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COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN - COVER SHEET

OWNER
470 Compark, LLC
290 Fillmore St., Suite 2
Denver, CO 80206

LANDSCAPE ARCHITECT
Plan West, Inc.
767 Santa Fe Drive
Denver, CO 80204
(303) 741-1411

Town of Parker
Colorado

job no. 2015/20
date 11-22-2016
revisions

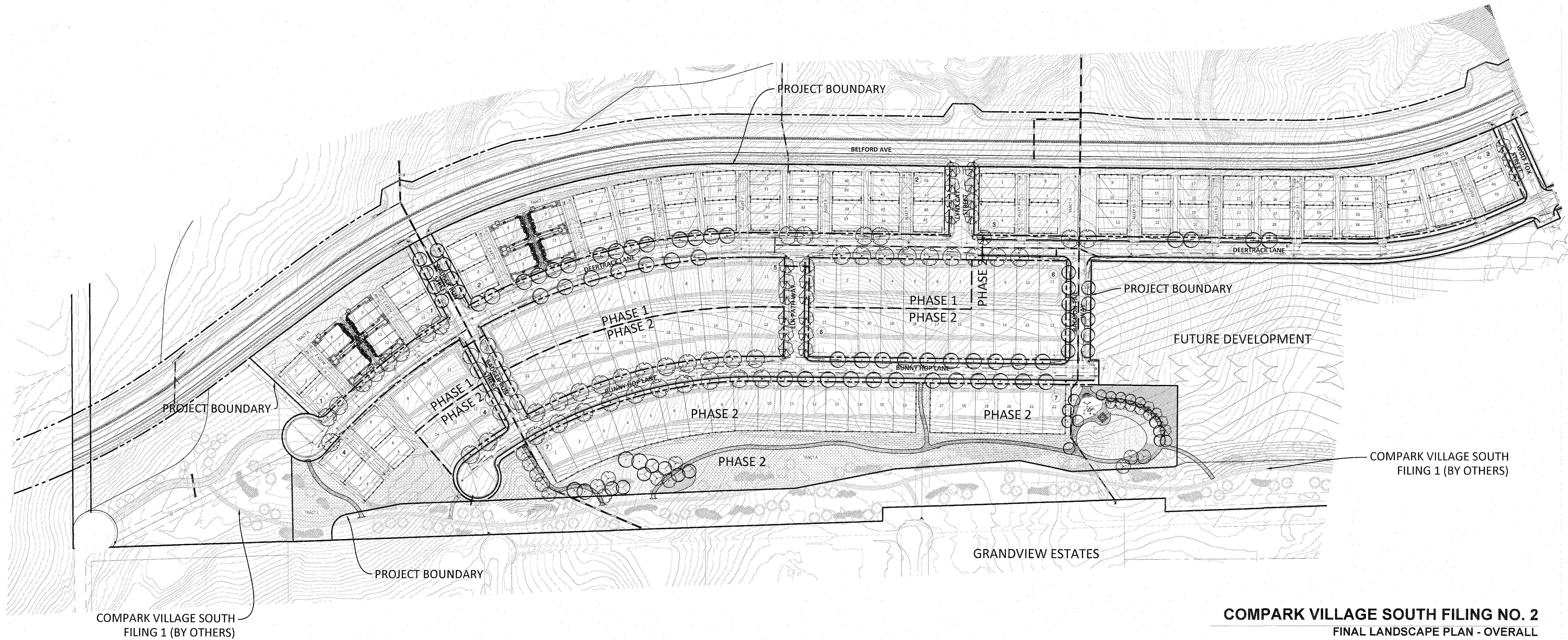
ENGINEER
Manhard Consulting
8008 E. Arapahoe Ct. Suite 110
Centennial 80112
(303) 531-3213

sheet L1 of L13



COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN

A PARCEL OF LAND LOCATED IN THE SOUTH HALF OF SECTION 6, TOWNSHIP 6 SOUTH RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO
PLANNING AREA 17 & 18
32.86 ACRES, 192 RESIDENTIAL UNITS, 20 TRACTS



COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN - OVERALL

OWNER
470 Compark, LLC
290 Fillmore St., Suite 2
Denver, CO 80204

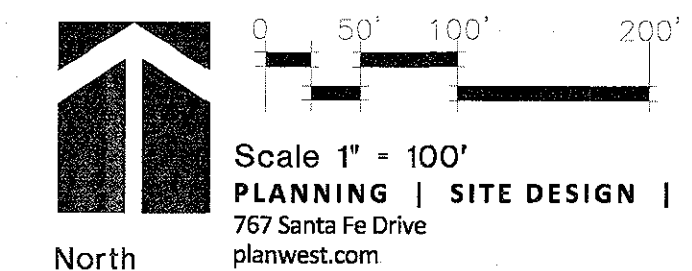
LANDSCAPE ARCHITECT
Plan West, Inc.
767 Santa Fe Drive
Denver, CO 80204
(303) 741-1411

Town of Parker
Colorado

job no. 2015/20
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ENGINEER
Manhard Consulting
8006 E. Arapahoe Ct. Suite 110
Centennial 80112
(303) 531-3213

sheet L2 of L13

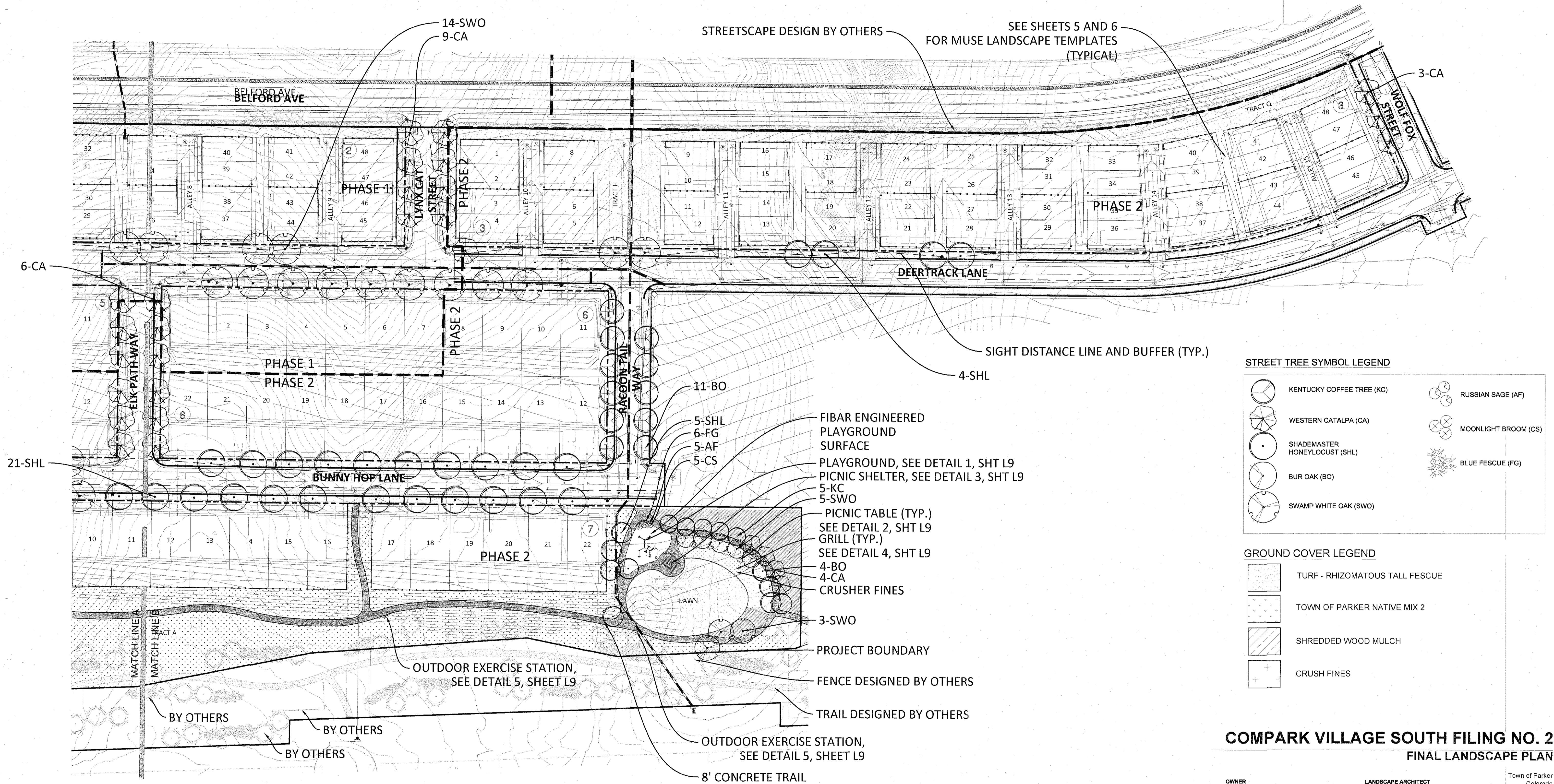


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PLANNING | SITE DESIGN | LANDSCAPE ARCHITECTURE | ENTITLEMENTS
Denver, Colorado, 80204
303-741-1411
planwest.com

COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN

A PARCEL OF LAND LOCATED IN THE SOUTH HALF OF SECTION 6, TOWNSHIP 6 SOUTH RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO
PLANNING AREA 17 & 18
32.86 ACRES, 192 RESIDENTIAL UNITS, 20 TRACTS



STREET TREE SYMBOL LEGEND

| | | | |
|--|-------------------------------|--|----------------------|
| | KENTUCKY COFFEE TREE (KC) | | RUSSIAN SAGE (AF) |
| | WESTERN CATALPA (CA) | | MOONLIGHT BROOM (CS) |
| | SHADEMASTER HONEYLOCUST (SHL) | | BLUE FESCUE (FG) |
| | BUR OAK (BO) | | |
| | SWAMP WHITE OAK (SWO) | | |

GROUND COVER LEGEND

| | |
|--|--------------------------------|
| | TURF - RHIZOMATOUS TALL FESCUE |
| | TOWN OF PARKER NATIVE MIX 2 |
| | SHREDDED WOOD MULCH |
| | CRUSH FINES |

COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN

OWNER
470 Compark, LLC
290 Fillmore St., Suite 2
Denver, CO 80206

LANDSCAPE ARCHITECT
Plan West, Inc.
767 Santa Fe Drive
Denver, CO 80204
(303) 741-1411

Town of Parker
Colorado
job no. 2015/20
date 11-22-2016
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ENGINEER
Manhard Consulting
8008 E. Arapahoe Ct. Suite 110
Centennial 80112
(303) 531-3213

Scale 1" = 60'

North

PLANWEST

PLANNING | SITE DESIGN | LANDSCAPE ARCHITECTURE | ENTITLEMENTS
Denver, Colorado, 80204
303-741-1411

sheet L4 of L13

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COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN

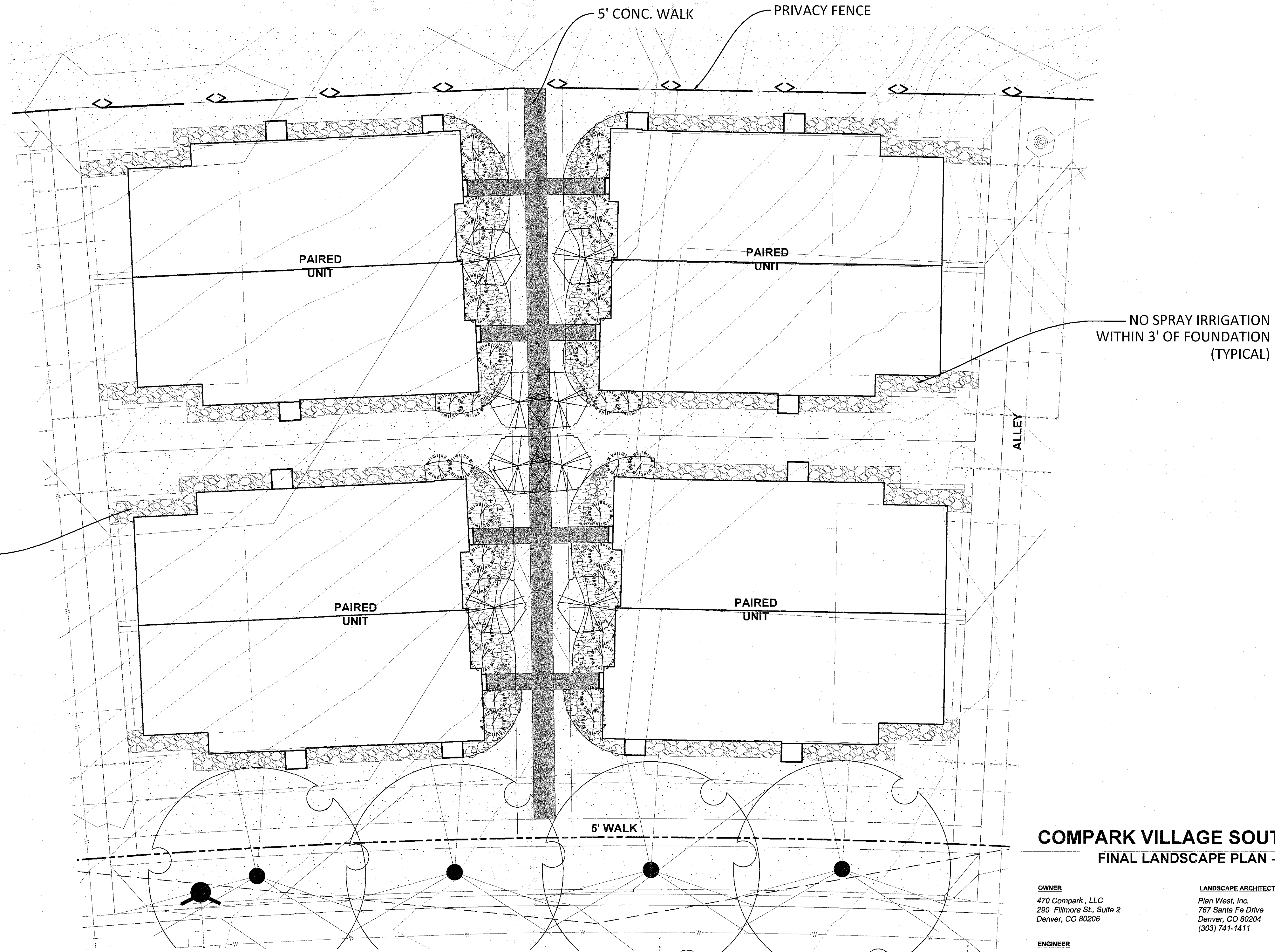
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PLANT SYMBOL LEGEND

| | | | |
|--|-------------------------------|--|--------------------|
| | KENTUCKY COFFEE TREE (KC) | | DECIDUOUS SHRUB #1 |
| | WESTERN CATALPA (CA) | | DECIDUOUS SHRUB #2 |
| | SHADEMASTER HONEYLOCUST (SHL) | | ORNAMENTAL GRASSES |
| | BUR OAK (BO) | | EVERGREEN SHRUB #1 |
| | SWAMP WHITE OAK (SWO) | | EVERGREEN SHRUB #2 |
| | ORNAMENTAL TREE | | |

GROUND COVER LEGEND

| | |
|--|--------------------------------|
| | TURF - RHIZOMATOUS TALL FESCUE |
| | SHREDDED WOOD MULCH |
| | 1'-1/2" RIVER ROCK MULCH |



COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN - MUSE TEMPLATE 'A'

OWNER: 470 Compark, LLC, 290 Fillmore St., Suite 2, Denver, CO 80206
 LANDSCAPE ARCHITECT: Plan West, Inc., 767 Santa Fe Drive, Denver, CO 80204, (303) 741-1411
 ENGINEER: Manhard Consulting, 8008 E. Arapahoe Ct., Suite 110, Centennial, CO 80112, (303) 531-3213
 Town of Parker, Colorado
 job no. 2015/20
 date 11-22-2016
 revisions

sheet L5 of L13

Scale 1" = 10'

PLANWEST
 PLANNING | SITE DESIGN | LANDSCAPE ARCHITECTURE | ENTITLEMENTS
 Denver, Colorado, 80204
 303-741-1411
 planwest.com

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COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN

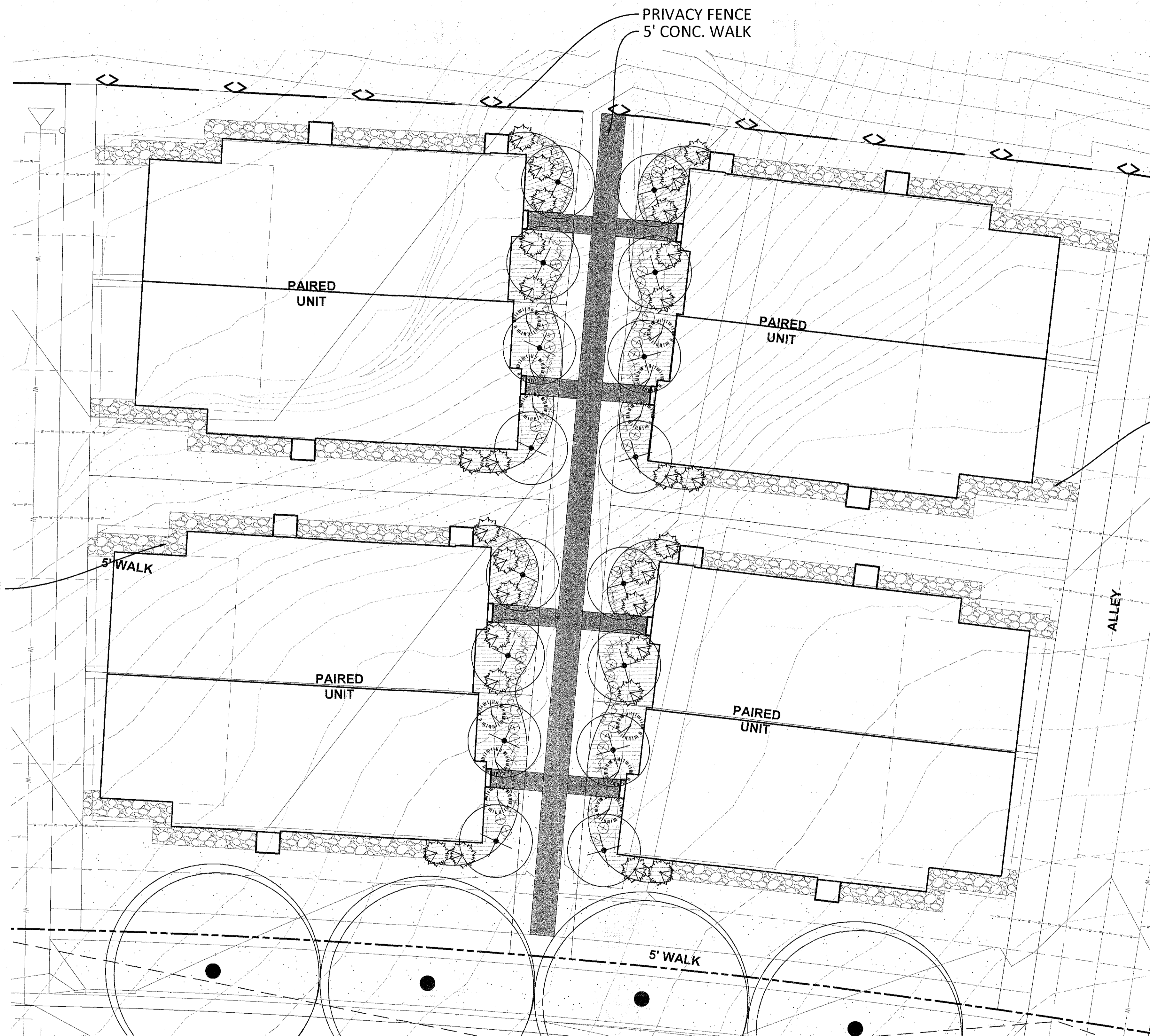
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PLANNING AREA 17 & 18
32.86 ACRES, 192 RESIDENTIAL UNITS, 20 TRACTS

PLANT SYMBOL LEGEND

| | | | |
|--|-------------------------------|--|--------------------|
| | KENTUCKY COFFEE TREE (KC) | | DECIDUOUS SHRUB #1 |
| | WESTERN CATALPA (CA) | | DECIDUOUS SHRUB #2 |
| | SHADEMASTER HONEYLOCUST (SHL) | | ORNAMENTAL GRASSES |
| | BUR OAK (BO) | | EVERGREEN SHRUB #1 |
| | SWAMP WHITE OAK (SWO) | | EVERGREEN SHRUB #2 |
| | ORNAMENTAL TREE | | |

GROUND COVER LEGEND

| | |
|--|--------------------------------|
| | TURF - RHIZOMATOUS TALL FESCUE |
| | SHREDDED WOOD MULCH |
| | 1'-1/2" RIVER ROCK MULCH |



NO SPRAY IRRIGATION WITHIN 3' OF FOUNDATION (TYPICAL)

NO SPRAY IRRIGATION WITHIN 3' OF FOUNDATION (TYPICAL)

COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN - MUSE TEMPLATE 'B'

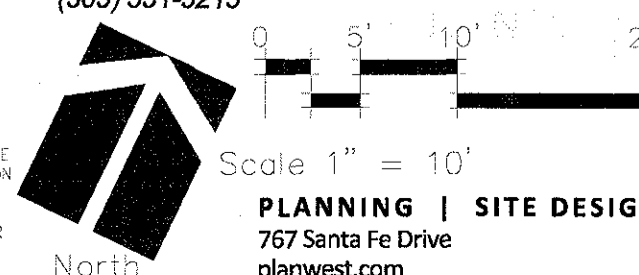
OWNER
470 Compark, LLC
290 Fillmore St., Suite 2
Denver, CO 80206

LANDSCAPE ARCHITECT
Plan West, Inc.
767 Santa Fe Drive
Denver, CO 80204
(303) 741-1411

Town of Parker
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ENGINEER
Manhard Consulting
3008 E. Arapahoe Ct. Suite 110
Centennial 80112
(303) 531-3213

sheet L6 of L13



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PLANNING | SITE DESIGN | LANDSCAPE ARCHITECTURE | ENTITLEMENTS
767 Santa Fe Drive
planwest.com
Denver, Colorado, 80204
303-741-1411

COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN

A PARCEL OF LAND LOCATED IN THE SOUTH HALF OF SECTION 6, TOWNSHIP 6 SOUTH RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO
PLANNING AREA 17 & 18
32.86 ACRES, 192 RESIDENTIAL UNITS, 20 TRACTS

LANDSCAPE PLANT SCHEDULE

| QTY | SYMBOL | COMMON NAME | SCIENTIFIC NAME | HYDRO ZONE | SIZE |
|-------------------------|----------|-------------------------|---|------------|-----------|
| Deciduous Trees | | | | | |
| 25 | BO | Bur Oak | Quercus macrocarpa | Xeric | 2.5" Cal. |
| 28 | CA | Western Catalpa | Catalpa speciosa | Xeric | 2.5" Cal. |
| 20 | KC | Kentucky Coffee Tree | Gymnoclades dioicus | Xeric | 2.5" Cal. |
| 56 | SHL | Shademaster Honeylocust | Gleditsia triacanthos inermis 'Shademaster' | Xeric | 2.5" Cal. |
| 66 | SWO | Swamp White Oak | Quercus bicolor | Xeric | 2.5" Cal. |
| Deciduous Shrubs | | | | | |
| 5 | AF | Russian Sage | Perovskia artiplicifolia | Xeric | #5 |
| Evergreen Shrubs | | | | | |
| 5 | CS | Moonlight Broom | Cytisus Scoparius 'Moonlight' | Xeric | #5 |
| Perennial Grass | | | | | |
| 6 | FG | Blue Fescue | Festuca glauca 'Elijah Blue' | Xeric | #1 |
| Groundcover | | | | | |
| 185,300 sf | RTF TURF | | | | Sod |
| 130,800 sf | Mix 2 | | | | Seed |

Note: **Town of Parker Native Seed Mix 2**
 22% Slender Wheatgrass
 18% Sodar Streambank Wheatgrass
 13% Arizona Fescue
 13% Blue Grama
 12% Buffalo Grass
 12% Barley or Oats
 5% Spike Muhly
 5% Indian Rice Grass

LANDSCAPE NOTES

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2. VERIFY FIELD CONDITIONS AND NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK. PROVIDE A STAKED LAYOUT OF NEW SITE IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO, PLANTING LAYOUT, BED LINES, CONCRETE FLATWORK, PLAYGROUNDS, ENTRY MONUMENTATION, LANDSCAPE WALLS, CONCRETE CURBS, AND TURF AREAS FOR APPROVAL PRIOR TO BEGINNING WORK.
3. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ACTUAL CONSTRUCTION. FOR INFORMATION CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO ☐ 1-800-922-1987.
4. PLANT MATERIAL QUALITY SHALL COMPLY WITH THE CURRENT A.N.A. STANDARDS FOR NURSERY STOCK. PLANT MATERIAL SHALL MEET OR EXCEED THE SIZES SPECIFIED. ALL TREES SHALL HAVE WELL BRANCHED TOPS WITH STRAIGHT, WELL DEVELOPED SINGLE LEADERS UNLESS OTHERWISE SPECIFIED IN THE PLANT SCHEDULE. THE LANDSCAPE ARCHITECT (PLAN WEST, INC.) RESERVES THE RIGHT TO REFUSE PLANT MATERIAL OF IMPROPER QUALITY.
5. ALL LANDSCAPED AREAS ARE TO RECEIVE ORGANIC SOIL PREPARATION AT THE RATE OF 4 CY PER 1000 SF AND TILLED TO A DEPTH OF 6 INCHES.
6. PLANT MATERIAL WITHIN THE SIGHT TRIANGLES WILL HAVE A MATURE HEIGHT OF 36 INCHES OR LESS ABOVE THE ELEVATION OF THE FLOWLINE. NEW TREES, ONCE MATURE, SHALL BE LIMBED TO A MINIMUM HEIGHT OF 8 FEET.
7. CONTRACTOR SHALL SECURE AND PAY ALL APPLICABLE TAXES, PERMITS AND FEES IN CONNECTION WITH THE WORK UNDER THE CONTRACT. PROVIDE FOR PROTECTION OF ALL UTILITIES, PRIVATE OR PUBLIC PROPERTY, PUBLIC SAFETY, AND EXISTING SITE IMPROVEMENTS FOR THE DURATION OF THE CONTRACT AND COSTS TO THE OWNER. THE CONTRACTOR SHALL KEEP THE PREMISES CLEAN AND ORDERLY AND DISPOSE OF WASTE AND DEBRIS AT AN APPROVED LOCATION OFF-SITE DAILY DURING CONSTRUCTION AND PRIOR TO FINAL ACCEPTANCE.
8. WITHIN THE SIGHT TRIANGLES, AS SHOWN, LIMITED LANDSCAPING SHALL BE ALLOWED BUT NO SOLID STRUCTURES OR TREES WILL BE PERMITTED. SOLID STRUCTURES SHALL INCLUDE, BUT NOT BE LIMITED TO, FENCES, MAILBOXES, AND UTILITY BOXES. LANDSCAPING WITHIN THE SIGHT TRIANGLES WILL BE LIMITED TO SHRUBS AND PLANTINGS THAT AT MATURITY WILL BE NO TALLER THAN TWO FEET. LANDSCAPING WITHIN THE SIGHT TRIANGLE SHALL BE MAINTAINED BY THE PROPERTY OWNER OR APPROPRIATE ASSOCIATION.

COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN - SCHEDULE AND NOTES

OWNER
 470 Compark, LLC
 290 Fillmore St., Suite 2
 Denver, CO 80206

LANDSCAPE ARCHITECT
 Plan West, Inc.
 767 Santa Fe Drive
 Denver, CO 80204
 (303) 741-1411

Town of Parker
 Colorado

job no. 2015/20
 date 11-22-2016
 revisions

ENGINEER
 Manhard Consulting
 8008 E. Arapahoe Ct. Suite 110
 Centennial 80112
 (303) 531-3213

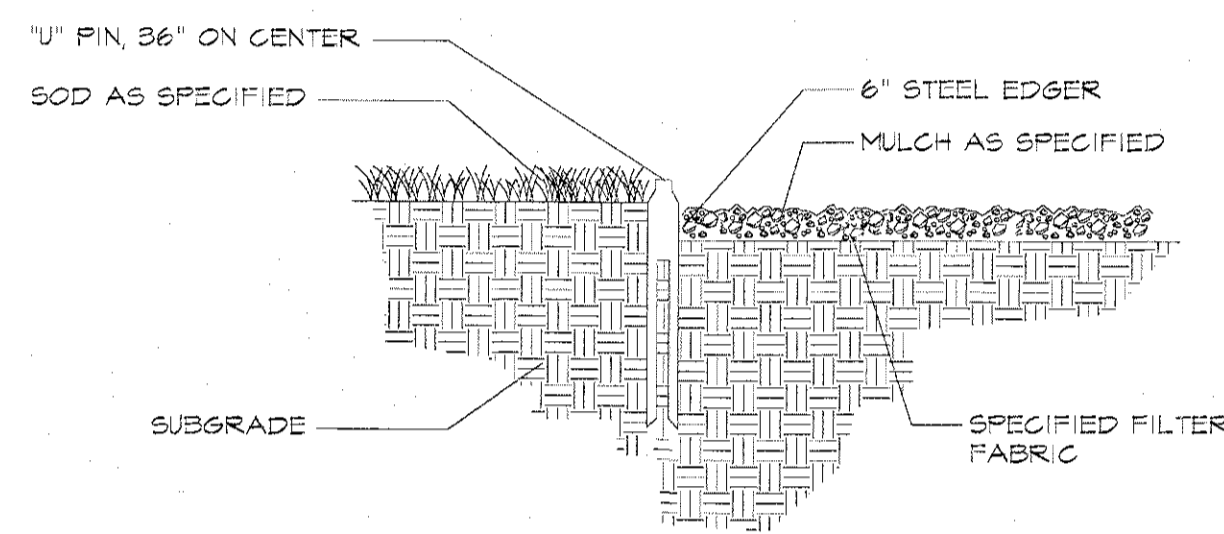
sheet L7 of L13



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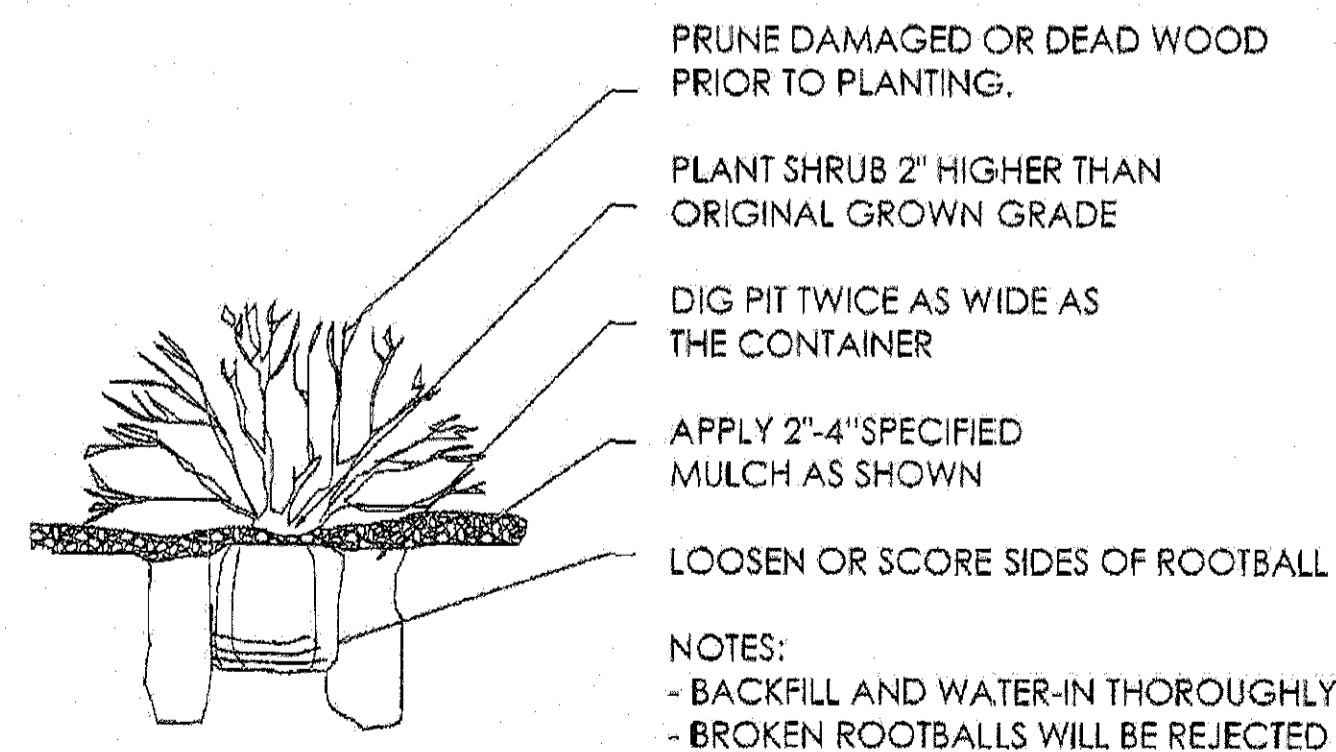
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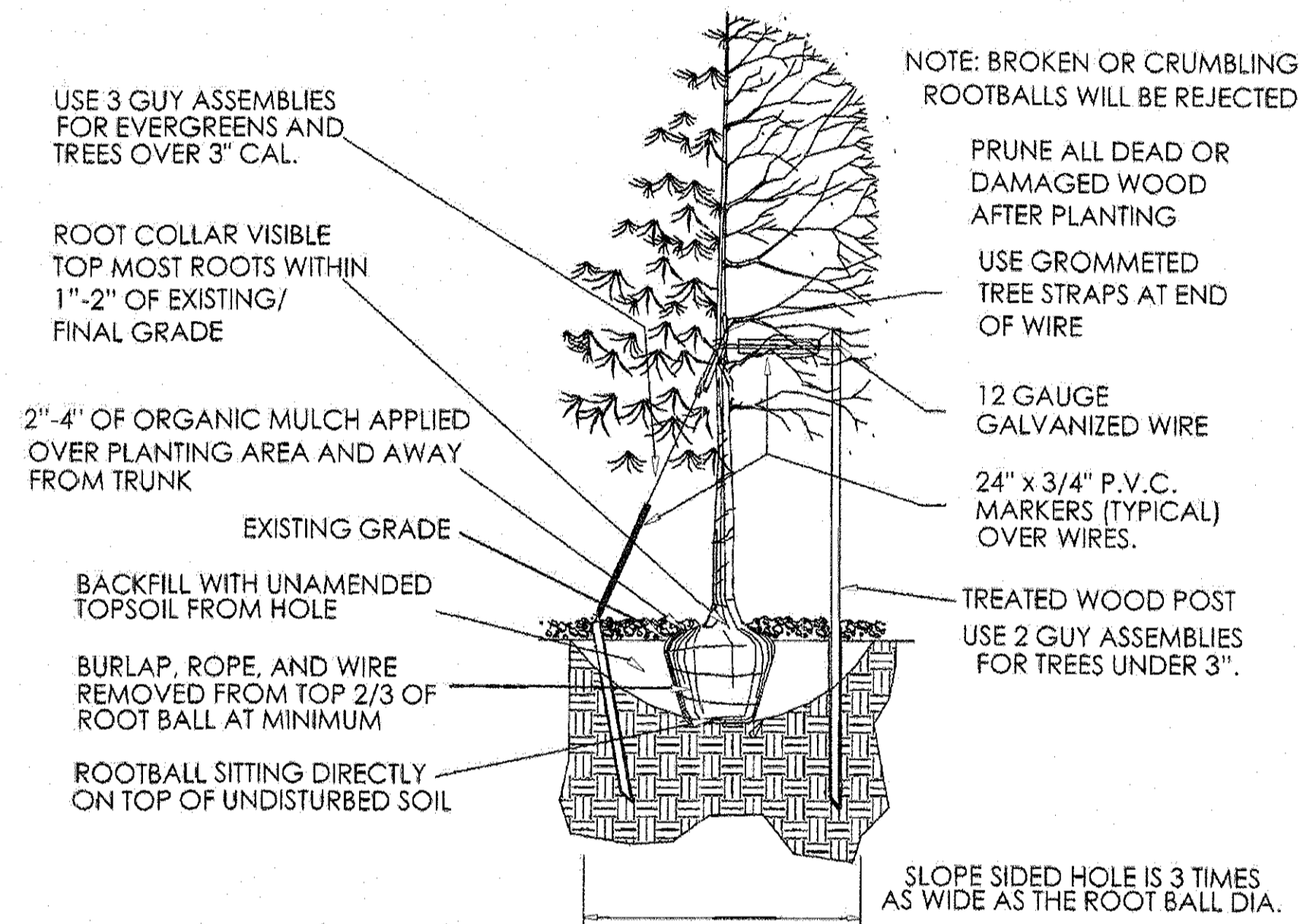
1 STEEL EDGER DETAIL NOT TO SCALE

TOWN OF PARKER PLANTING DETAIL - SHRUBS



2 TYPICAL SHRUB PLANTING DETAIL NOT TO SCALE

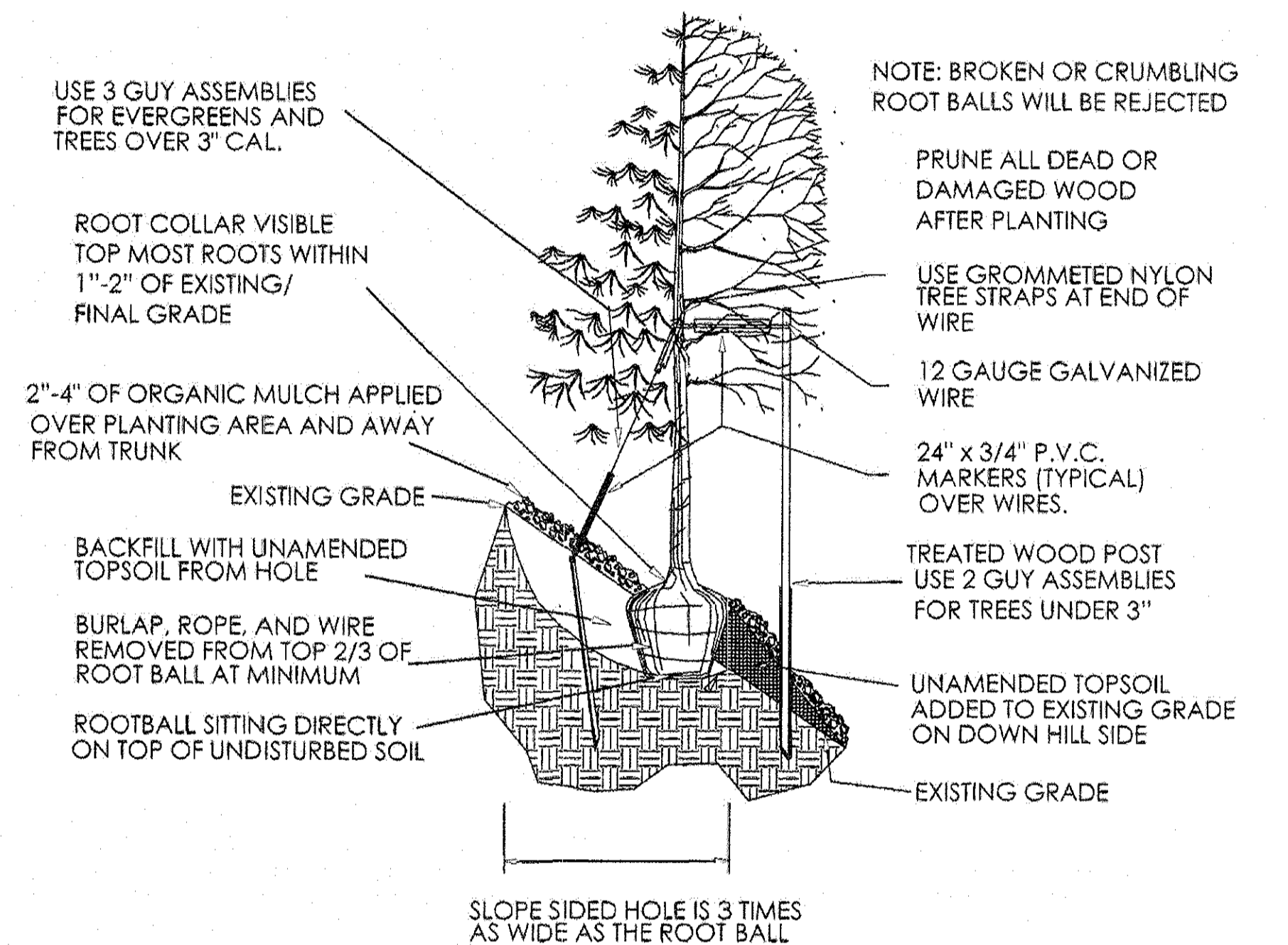
TOWN OF PARKER PLANTING STANDARDS



- 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 settling. 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.

3 TYPICAL TREE PLANTING DETAIL NOT TO SCALE

TOWN OF PARKER TREE PLANTING DETAIL - SLOPES



4 TYPICAL TREE PLANTING DETAIL (ON SLOPE) NOT TO SCALE

COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN - DETAILS

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290 Fillmore St., Suite 2
Denver, CO 80206

LANDSCAPE ARCHITECT
Plan West, Inc.
767 Santa Fe Drive
Denver, CO 80204
(303) 741-1411

ENGINEER
Manhard Consulting
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(303) 531-3213

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Colorado
job no. 2015/20
date 11-22-2016
revisions

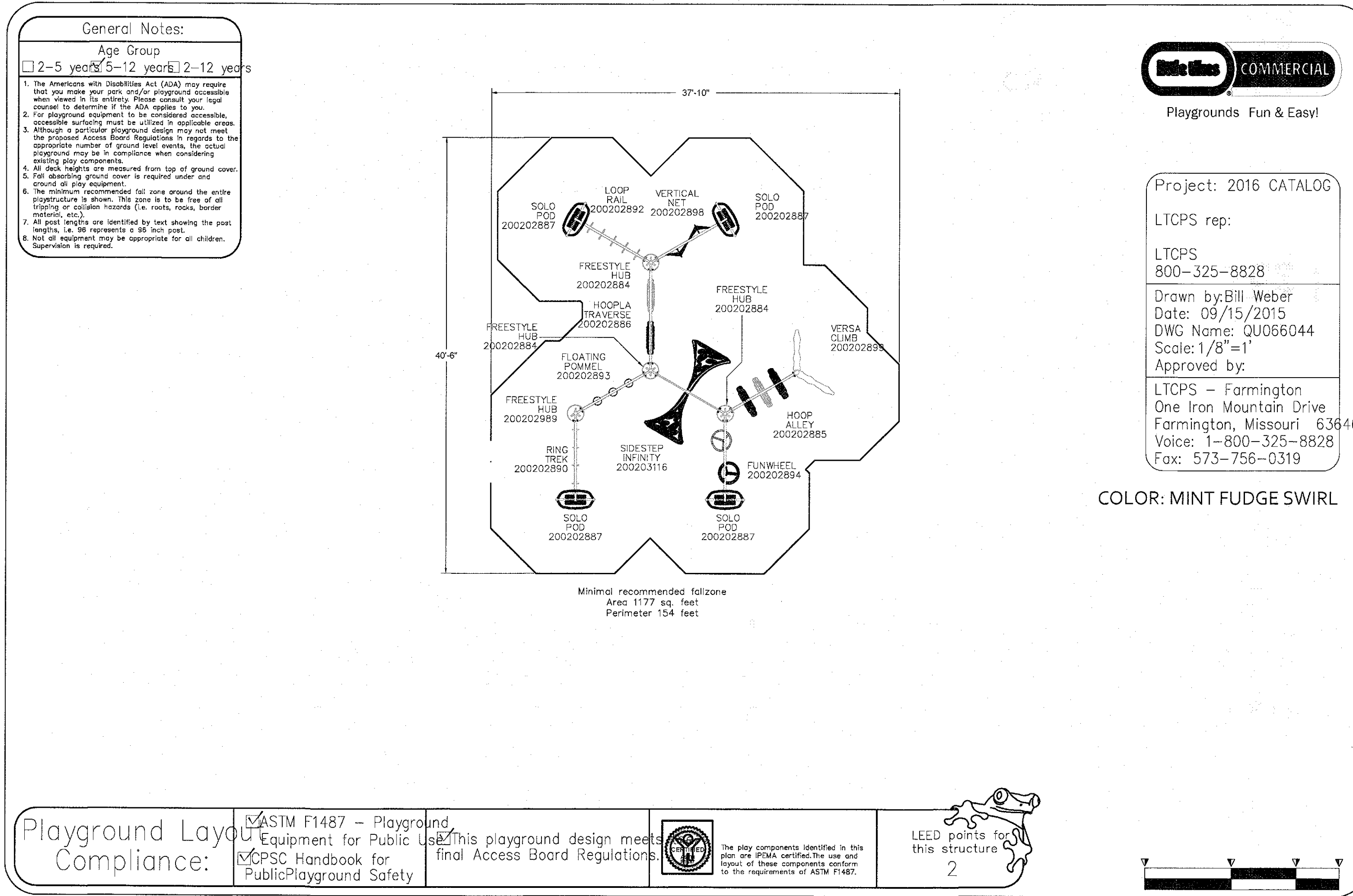
sheet **L8** of **L13**



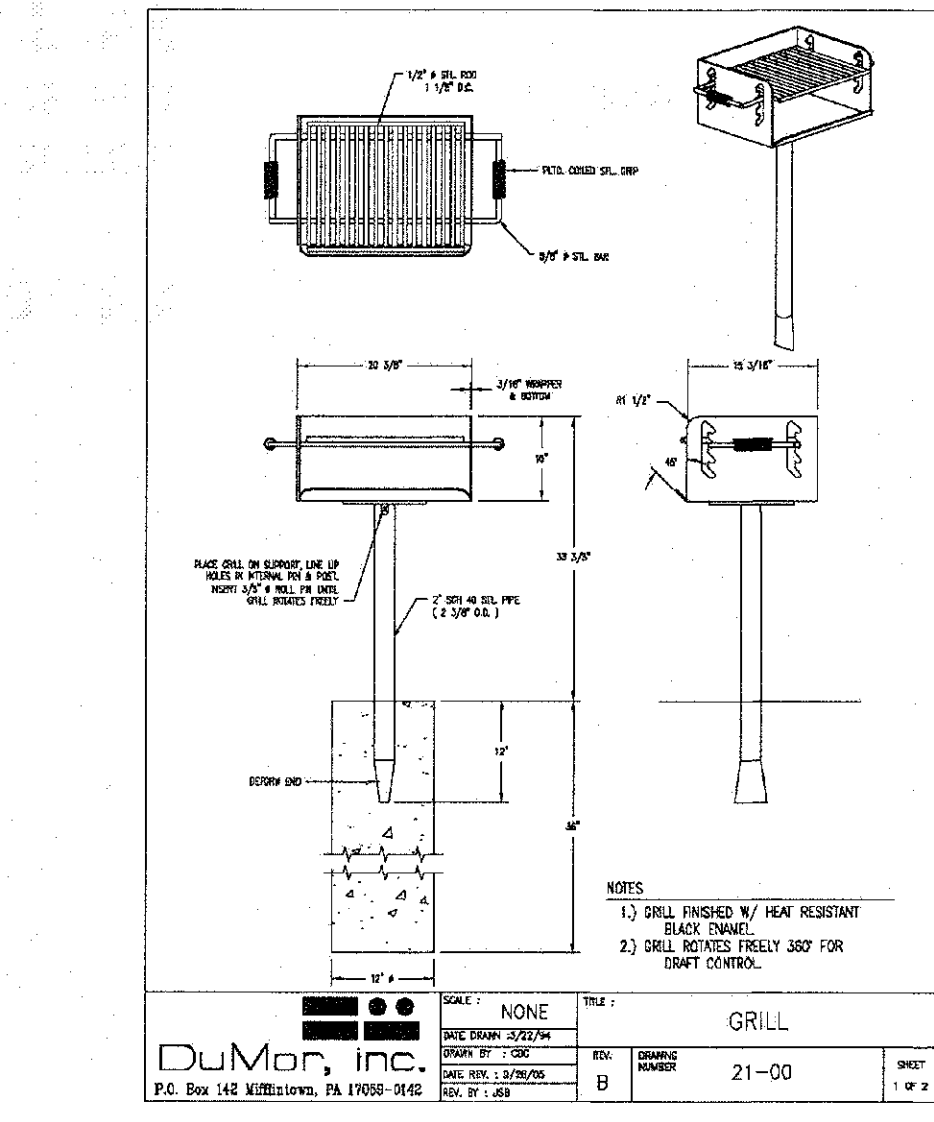
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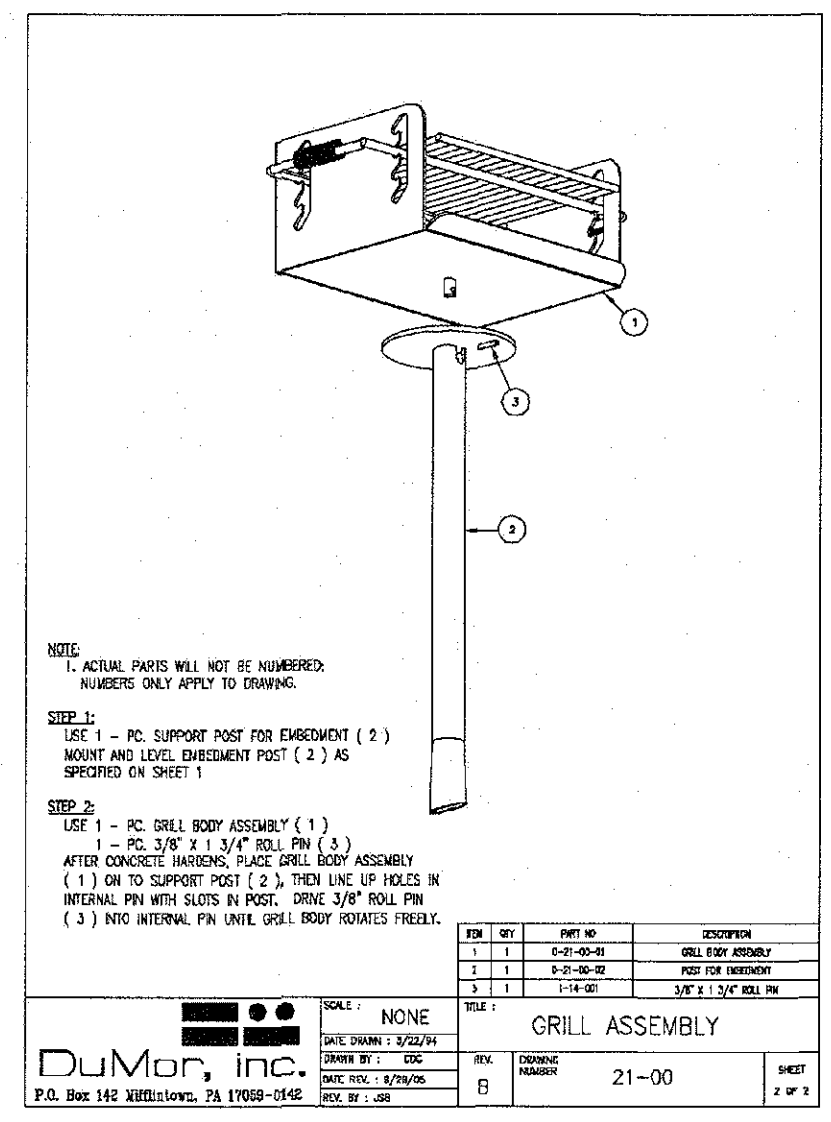
A PARCEL OF LAND LOCATED IN THE SOUTH HALF OF SECTION 6, TOWNSHIP 6 SOUTH RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
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PLANNING AREA 17 & 18
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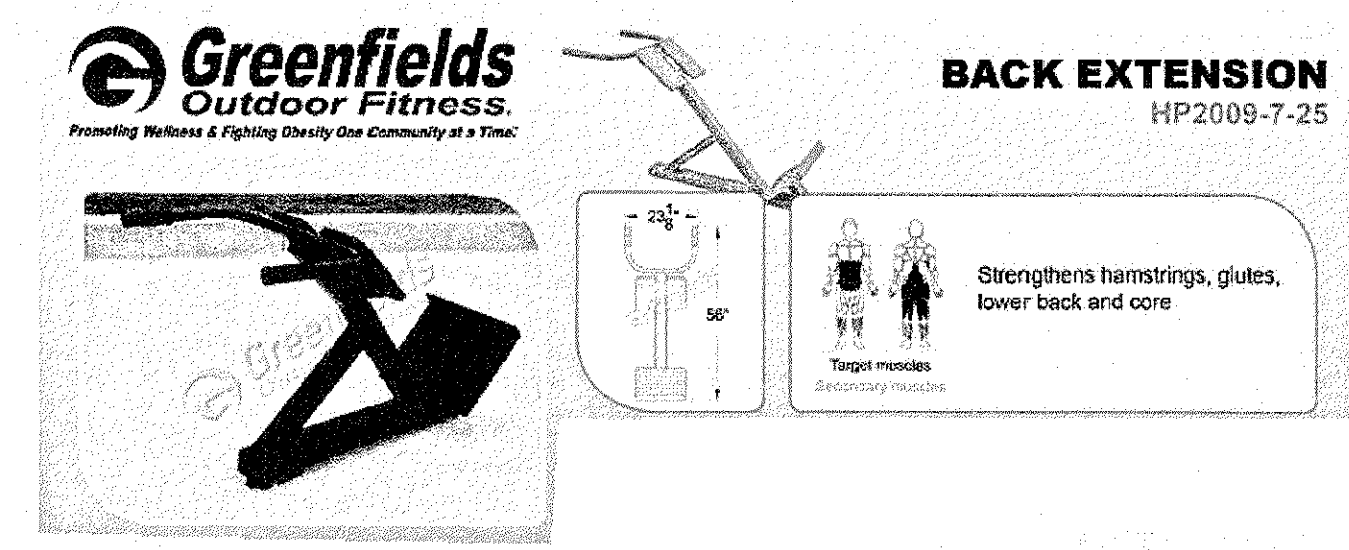
1 PLAYGROUND DETAIL



4 GRILL DETAIL

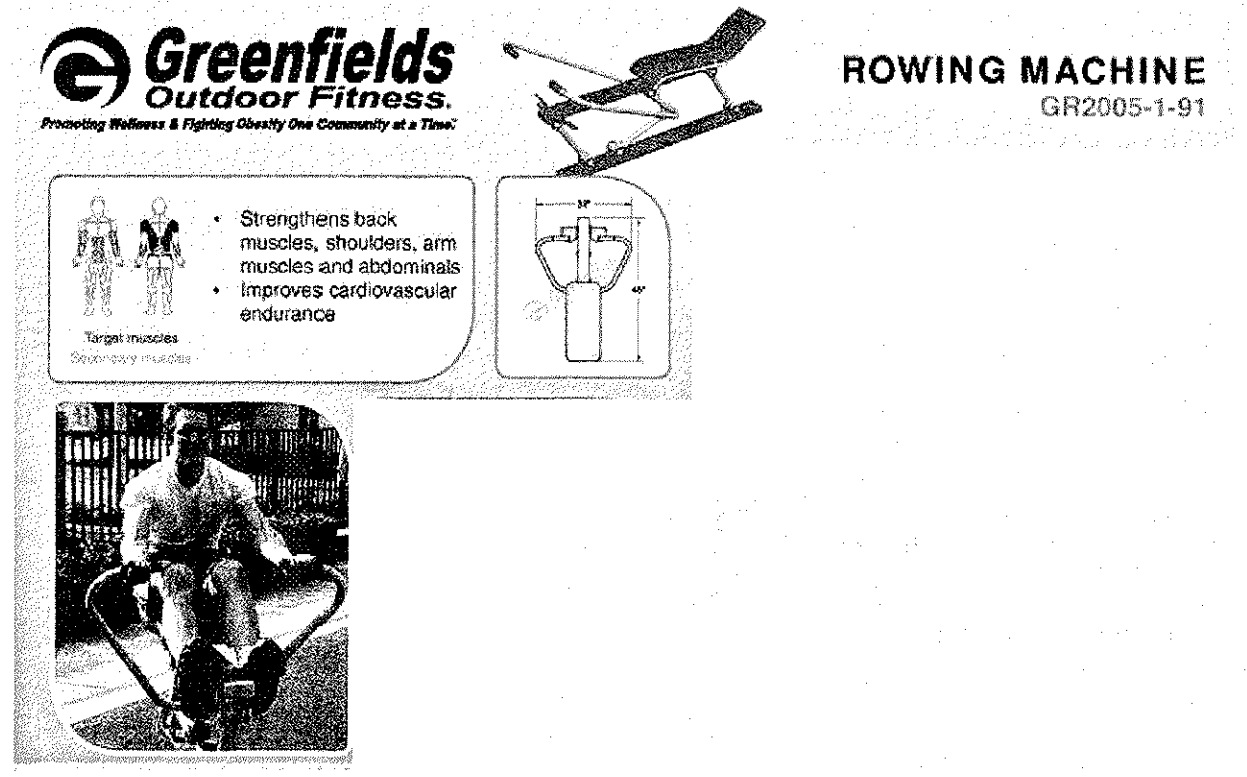


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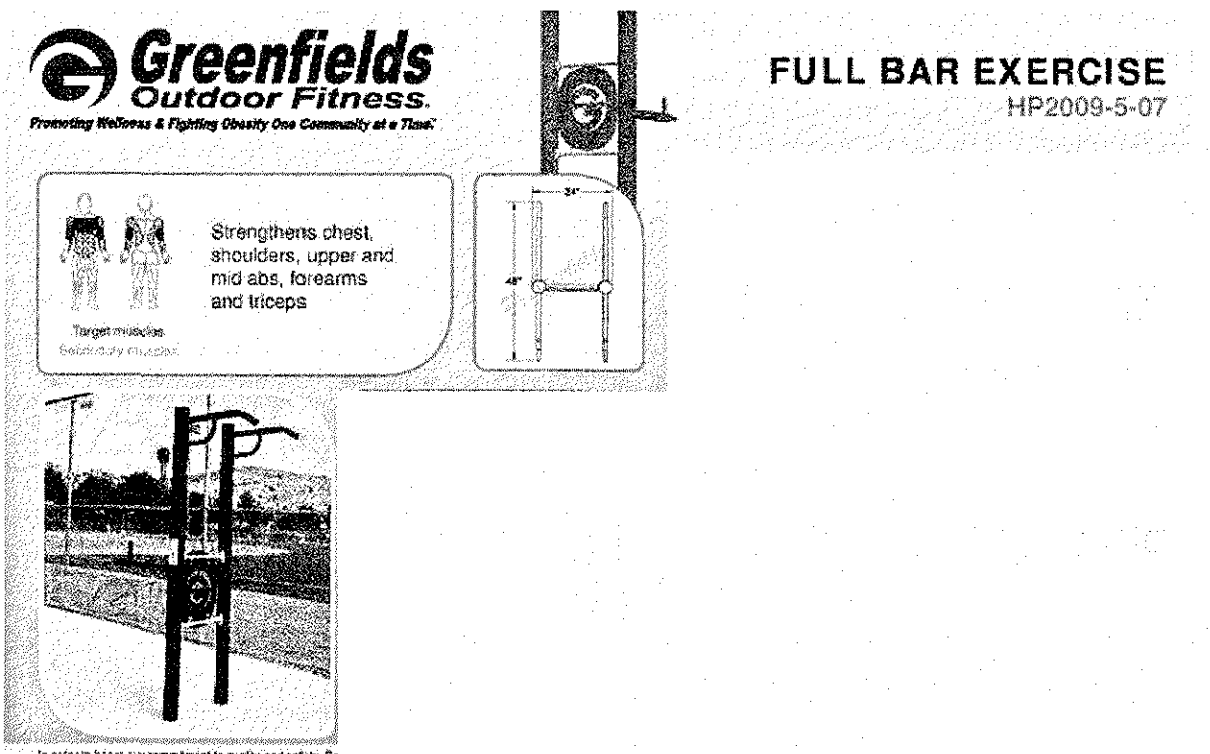
5 OUTDOOR FITNESS DETAIL

NOT TO SCALE



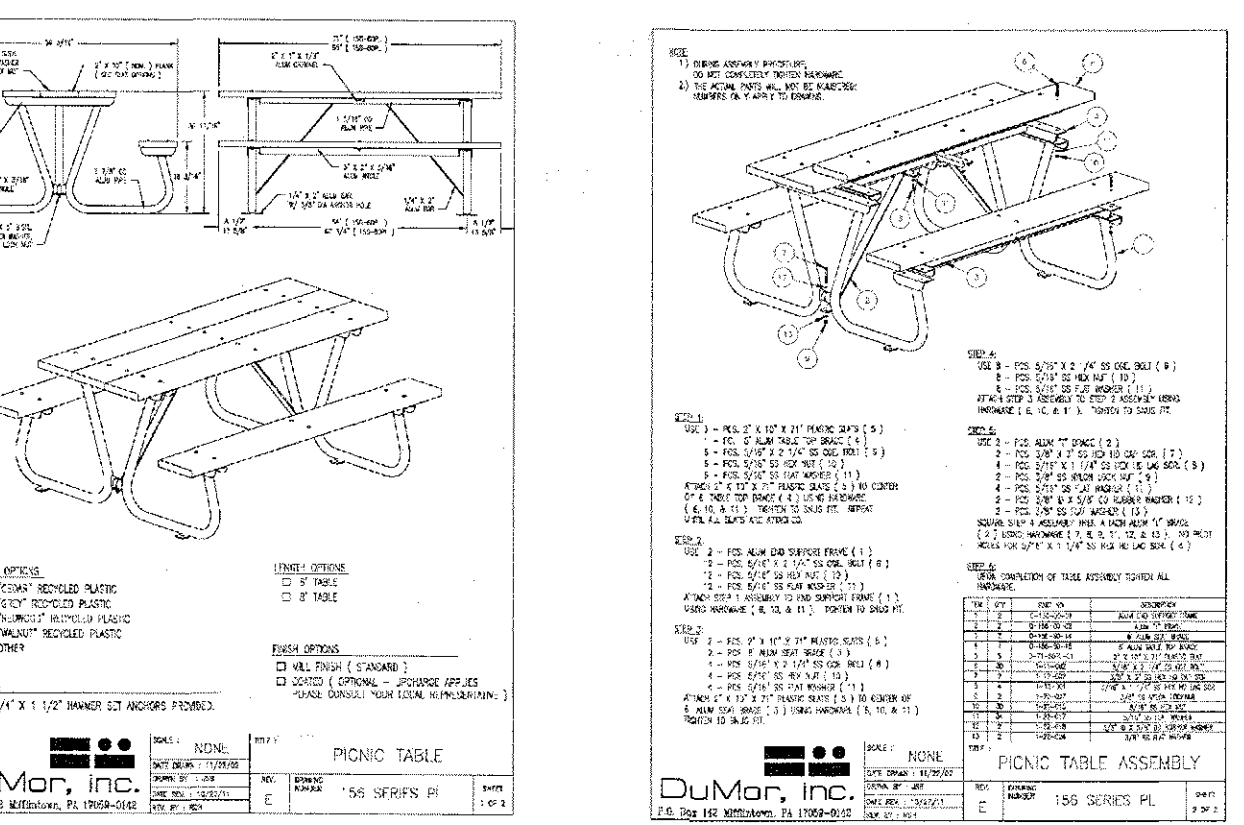
6 OUTDOOR FITNESS DETAIL

NOT TO SCALE



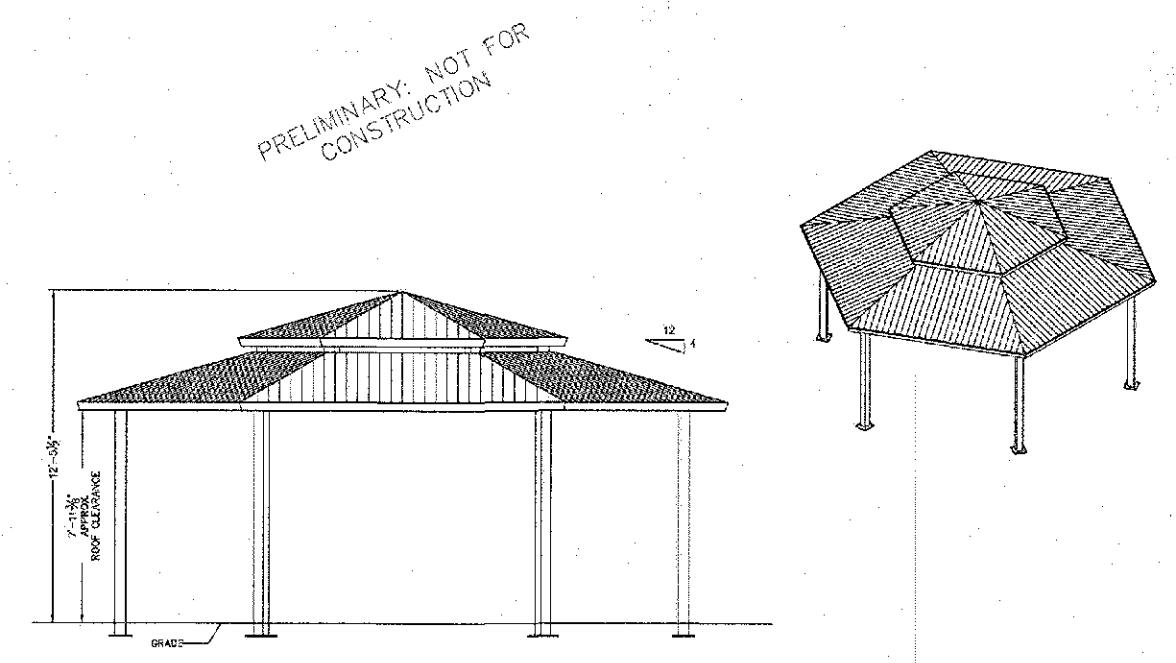
7 OUTDOOR FITNESS DETAIL

NOT TO SCALE



2 PICNIC TABLE DETAIL

NOT TO SCALE



3 PICNIC SHELTER DETAIL

NOT TO SCALE

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767 Santa Fe Drive
Denver, CO 80204
(303) 741-1411

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Manhard Consulting
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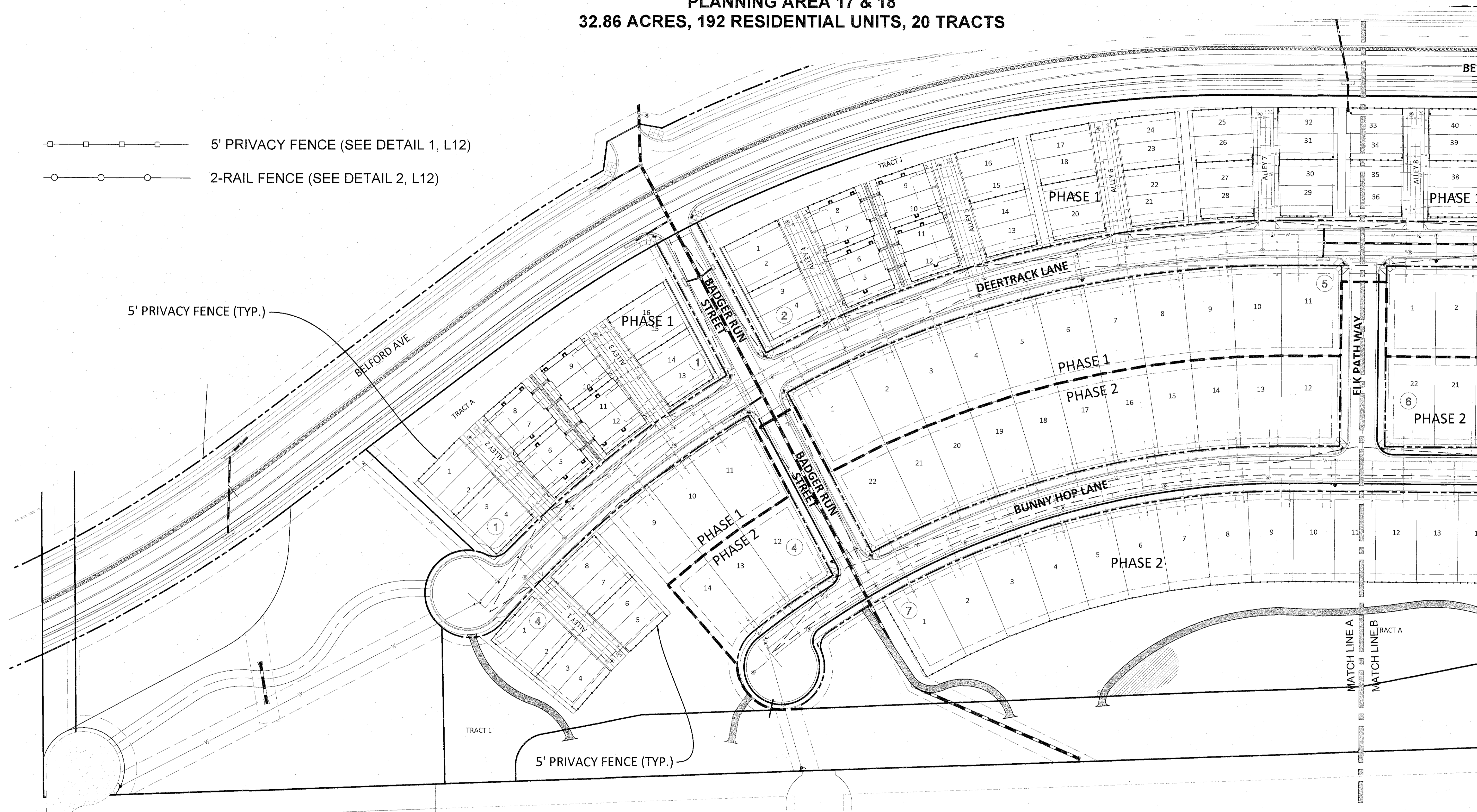
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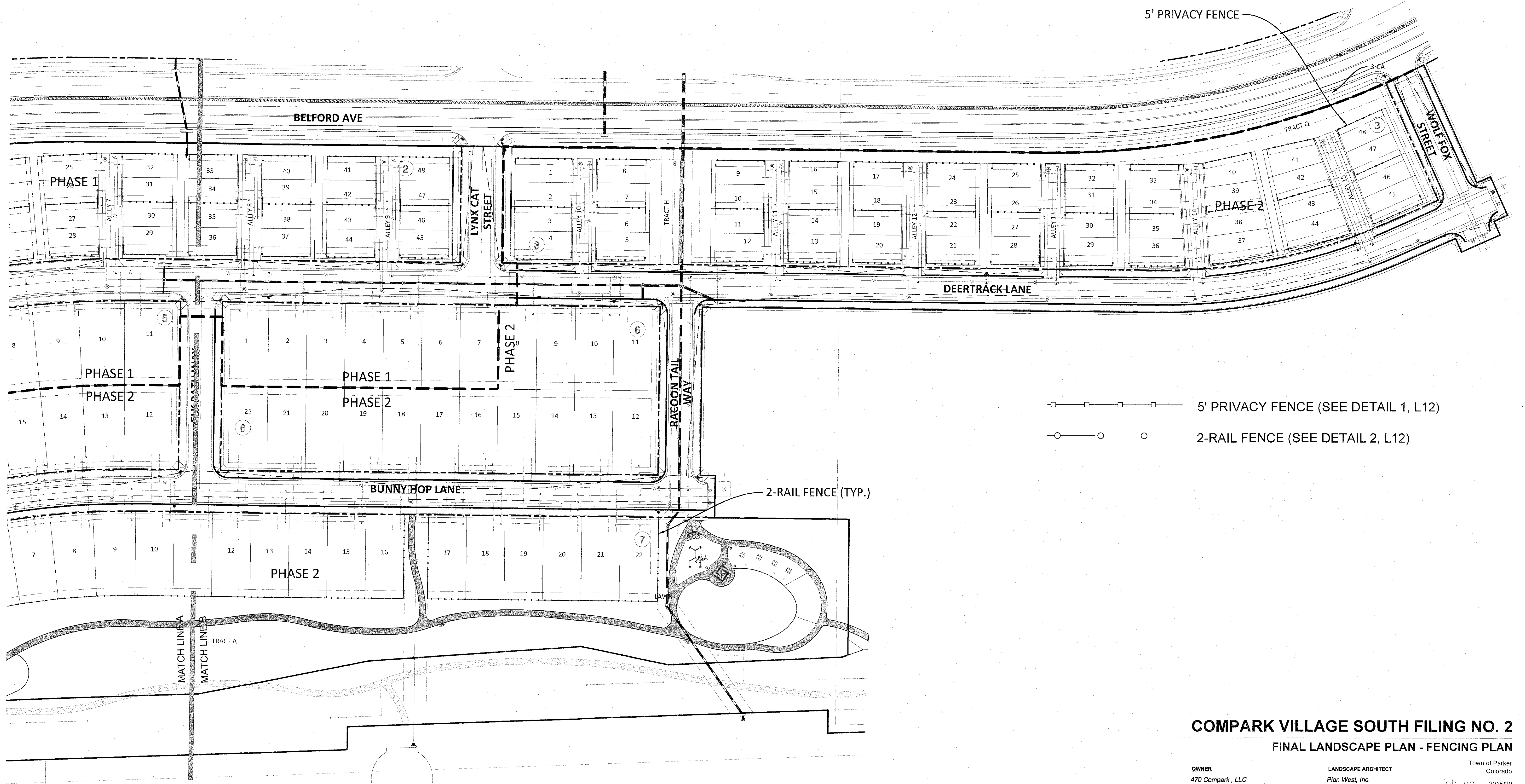
Scale 1" = 60'
0' 30' 60' 120'

North

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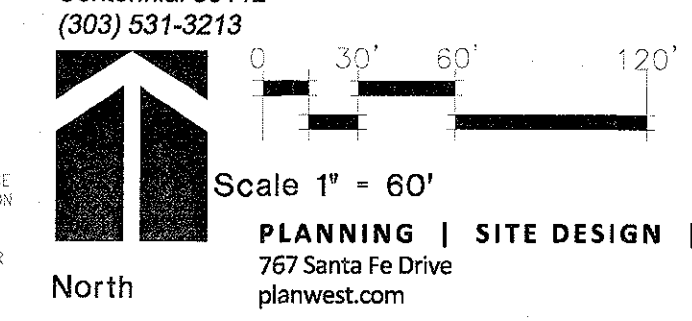
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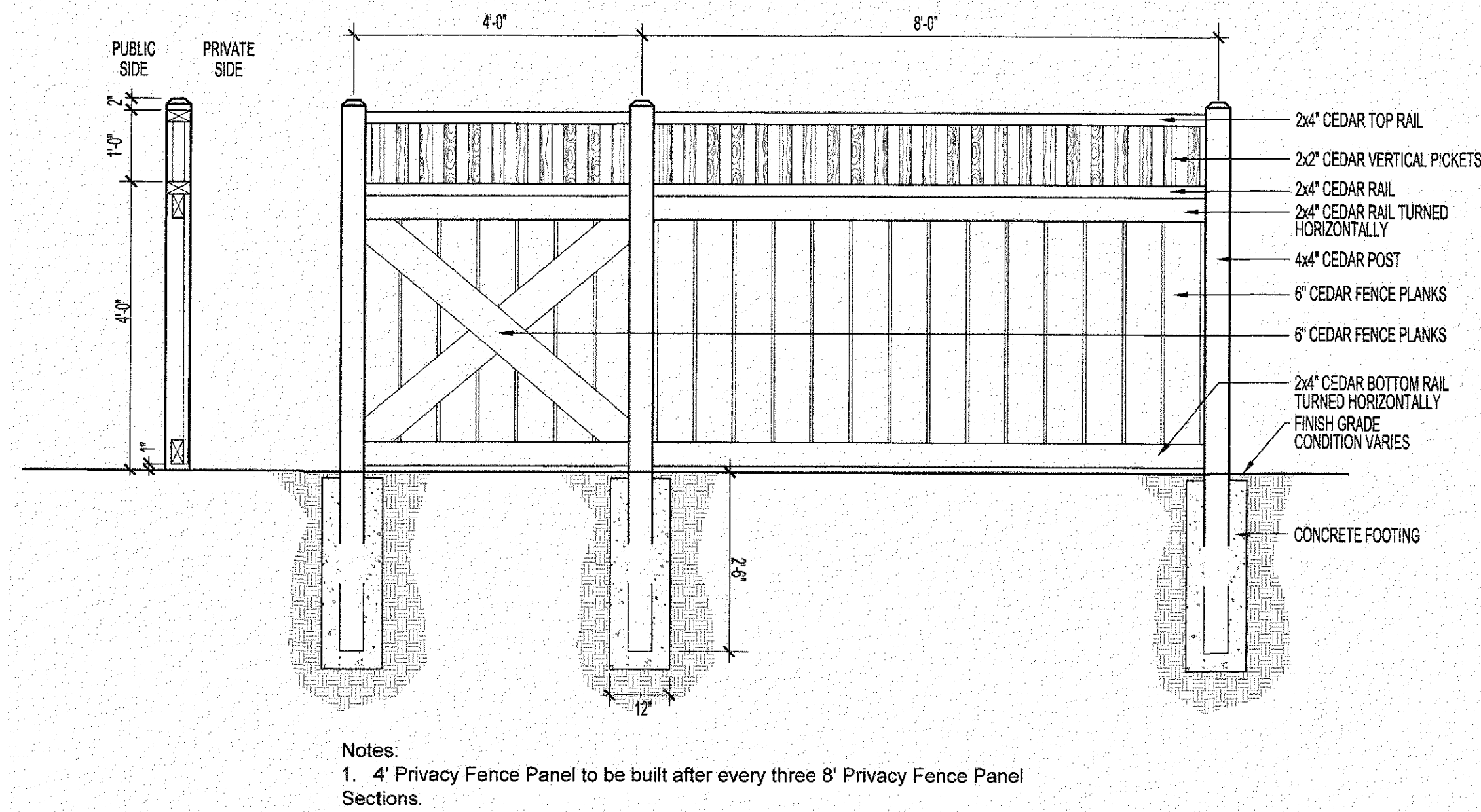


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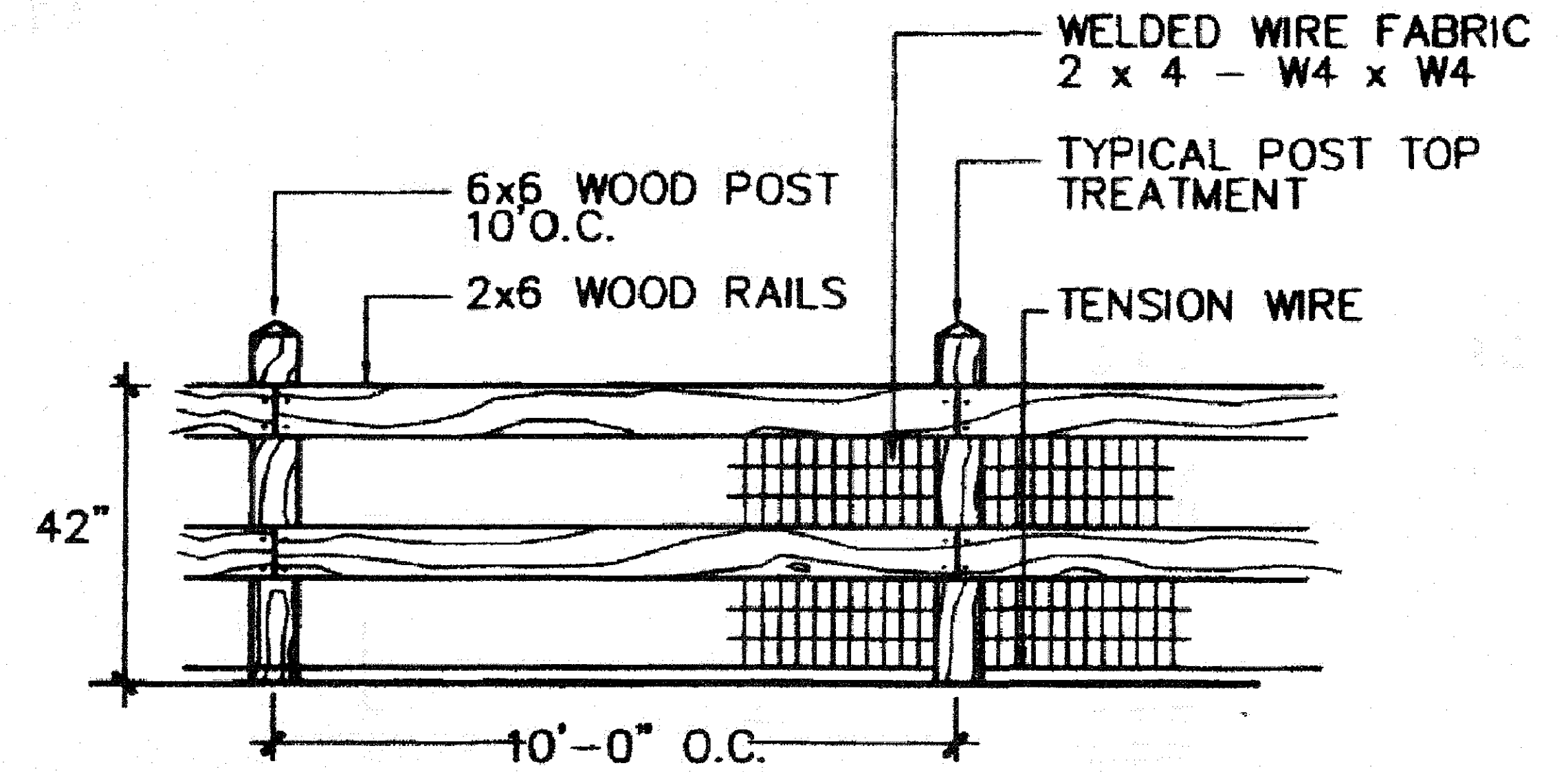
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1 5' PRIVACY FENCE DETAIL
TOWN OF PARKER STANDARD

NOT TO SCALE



2 2-RAIL FENCE DETAIL
TOWN OF PARKER STANDARD

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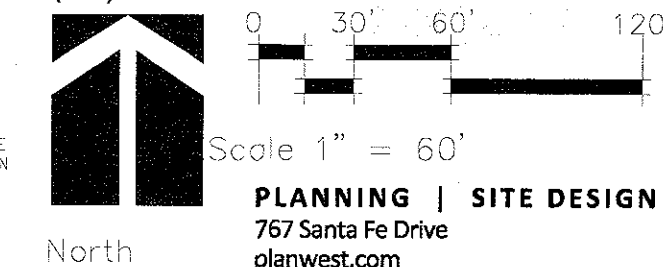
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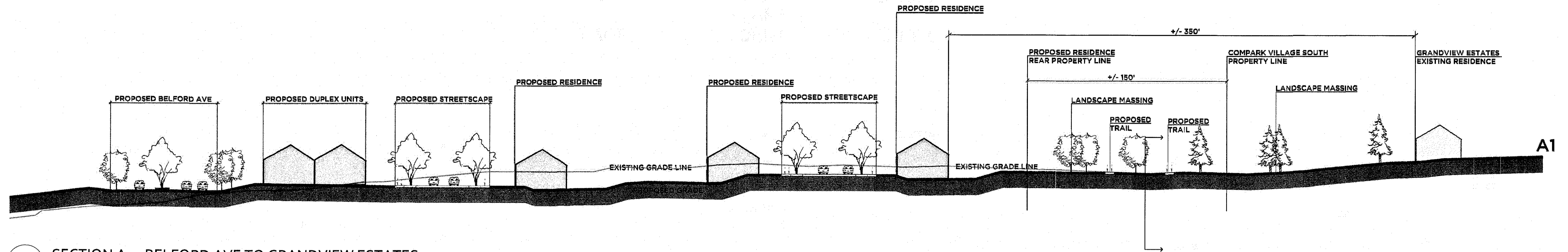


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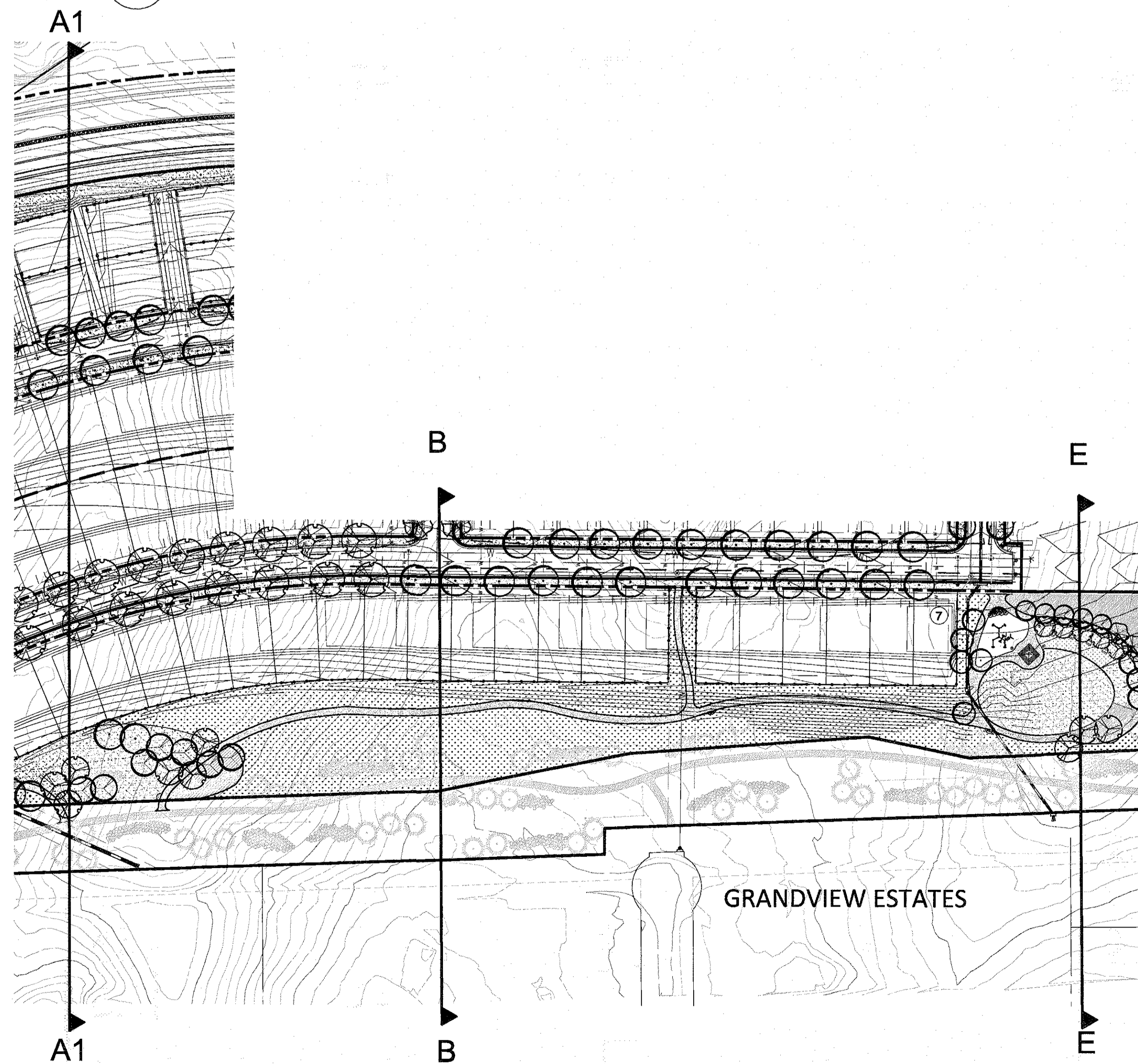
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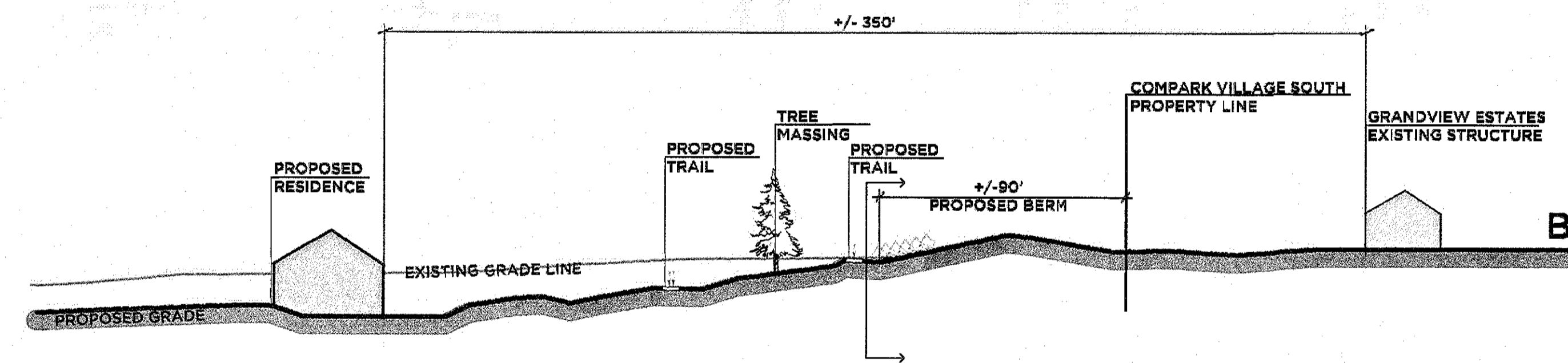
A1 SECTION A1 - BELFORD AVE TO GRANDVIEW ESTATES

SCALE: 1"=40'-0"



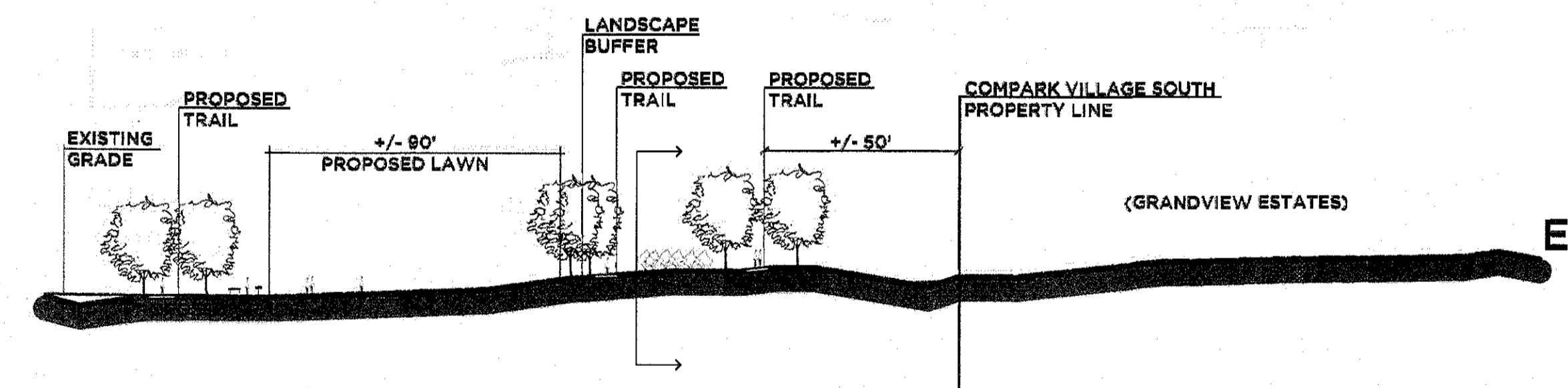
SECTION CUT LINES VICINITY MAP

SCALE: 1"=100'-0"



B SECTION B - COMPARK VILLAGE SOUTH PROPOSED RESIDENCE TO GRANDVIEW ESTATES RESIDENCE

SCALE: 1"=40'-0"



E SECTION E - FROM GRANDVIEW ESTATES TO COMPARK VILLAGE SOUTH PARK

SCALE: 1"=40'-0"

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Denver, CO 80206

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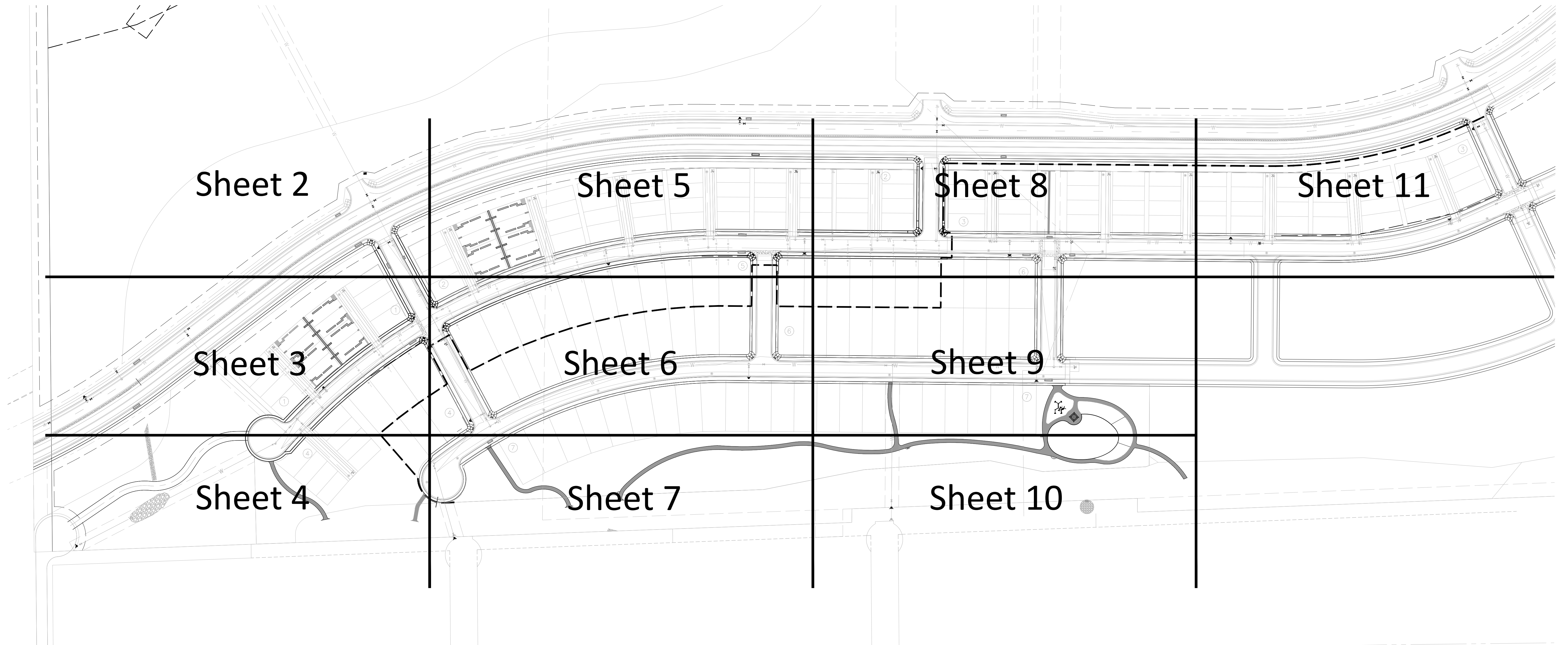


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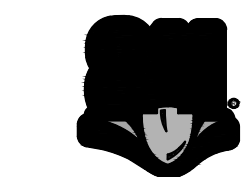
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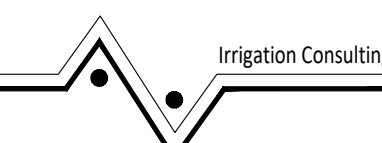
| | |
|--------|-------------------------|
| 0 | OVERALL IRRIGATION AREA |
| 1 | IRRIGATION NOTES |
| 1 | IRRIGATION SCHEDULE |
| 2 - 11 | IRRIGATION PLANS |
| 12- 15 | IRRIGATION DETAILS |
| 16 | IRRIGATION CHARTS |



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TOWN OF PARKER, PUBLIC WORKS DIRECTOR _____ DATE _____

TOWN OF PARKER, PUBLIC WORKS MANAGER-STORMWATER _____ DATE _____

TOWN OF PARKER, PUBLIC WORKS MANAGER-TRANSPORTATION _____ DATE _____

**COMPARK VILLAGE SOUTH FILING NO. 2
FINAL IRRIGATION PLAN - SECTIONS**

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470 Compark, LLC
290 Fillmore St., Suite 2
Denver, CO 80206

LANDSCAPE ARCHITECT
Plan West, Inc.
767 Santa Fe Drive
Denver, CO 80204
(303) 741-1411

Town of Parker
Colorado

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ENGINEER
Manhard Consulting
8008 E. Arapahoe Ct. Suite 110
Centennial 80112
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COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN

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| IRRIGATION SCHEDULE | | | | | |
|--|---------------------|--|------------------------------------|------------------------------|----------------|
| SYMBOL | MANUFACTURER | MODEL NO. | DESCRIPTION | DETAIL NO. | |
| | HUNTER / TORO | PRO5-06-CV-PR530 WITH 0 PRECISION SERIES NOZZLE | POPOP SPRAY HEAD | 6 | |
| | HUNTER / TORO | PRO5-06-CV-PR530 WITH 0 PRECISION STRIP, CORNER NOZZLE | POPOP SPRAY HEAD | 6 | |
| | HUNTER / TORO | PRO5-12-CV-PR530 WITH 0 PRECISION SERIES NOZZLE | HI-POP SPRAY HEAD | 8 | |
| | HUNTER / TORO | PRO5-12-CV-PR530 WITH 0 PRECISION STRIP, CORNER NOZZLE | HI-POP SPRAY HEAD | 8 | |
| | HUNTER | I-20-06-SS WITH # NOZZLE | GEAR DRIVEN ROTOR | 7 | |
| | HUNTER | I-20-06-SS WITH MPR # NOZZLE | GEAR DRIVEN ROTOR | 7 | |
| | HUNTER | I-20-06-SS WITH MPR # NOZZLE | GEAR DRIVEN ROTOR | 7 | |
| | HUNTER | I-20-12 WITH # NOZZLE | HI-POP GEAR DRIVEN ROTOR | 9 | |
| | HUNTER | I-20-12 WITH # NOZZLE | HI-POP GEAR DRIVEN ROTOR | 9 | |
| | HUNTER | RZ45-10-25-CV WITH RZ45-SLEEVE | ROOT WATERING BUBBLER | 18 | |
| | HUNTER-WEATHERMATIC | IGV IV SLDEC1 DECODER | ELECTRIC CONTROL VALVE | 12 & 21 | |
| | RAIN BIRD | 44-LRC | QUICK COUPLING VALVE | 4 | |
| | WEATHERMATIC | SL9600TV IV SLPED-ENG-SS-4800 | ELECTRIC CONTROLLER | 13 | |
| | WEATHERMATIC | SL4800 IV SLPED-ENG-SS-4800 | ELECTRIC CONTROLLER | 13 | |
| | WEATHERMATIC | SL45 (WIRELESS) | WEATHER STATION | 14 | |
| | FEBCO | 825YA WITH WATTS 223-HP PRV | RP BACKFLOW PREVENTER | 10 | |
| | N/S | GUARDSHACK | 6S-1 | BACKFLOW PREVENTER ENCLOSURE | |
| | N/S | MATCO | 201X | MANUAL DRAIN VALVE | |
| | | LINE SIZE - 2 1/2" AND SMALLER | GATE VALVE | 5 | |
| | HUNTER-WEATHERMATIC | IBV IV SLDEC1 DECODER | MASTER CONTROL VALVE | 16, 26 | |
| | WEATHERMATIC | SLF91-T15 (11/2") | FLOW SENSOR (FOG #2) | 15 | |
| | N/S | WEATHERMATIC | SLWIRE | 2 - WIRE CABLE | 12, 13, 18, 21 |
| | WEATHERMATIC | SL6DT | LIGHTNING ARRESTOR | 22 | |
| | | CLASS 200 BE - 2 1/2" & SMALLER | FVC MAINLINE | 2 | |
| | | CLASS 200 BE | FVC LATERAL | 2 | |
| | | CLASS 160 | FVC SLEEVING | 1 | |
| | TORO OR EQUAL | BLUE STRIPE | POLY DRIP TUBING - 3/4" MIN. WIDTH | 20 | |
| | RAIN BIRD | XGZF-100-PRF | DRIP VALVE ASSEMBLY | 18, 26 | |
| | | | DRIP LINE BLOW-OUT STUB | 19 | |
| | N/S | RAIN BIRD | XERI-BUG | DRIP EMITTERS | 20 |
| | | | WATER METER | BY OTHERS | |
| CONTROLLER & STATION NO. CONTROL VALVE SIZE | | | | | |

IRRIGATION CONSTRUCTION NOTES

- DRAWINGS AND BASE INFORMATION - ALL BASE AND PLANTING INFORMATION HAVE BEEN PROVIDED BY PLANWEST. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY HYDROSYSTEMS*KDI OF ANY DISCREPANCIES BETWEEN THE UTILITY OR PLANTING PLANS AND THE IRRIGATION PLAN. IF CONTRACTOR FAILS TO NOTIFY HYDROSYSTEMS*KDI AND MAKES CHANGES TO THE IRRIGATION SYSTEM DESIGN, HE ASSUMES ALL COSTS AND LIABILITIES ASSOCIATED WITH THOSE FIELD CHANGES. REFER TO SPECIFICATIONS FOR ADDITIONAL PROJECT REQUIREMENTS.
- SYSTEM PRESSURE - HYDROSYSTEMS*KDI HAS CONTACTED THE LOCAL WATER DISTRICT THAT SERVES THIS SITE AND THEY HAVE BEEN TOLD THAT THE STATIC WATER PRESSURE IN THIS AREA SHOULD BE 103 PSI. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY PRESSURE PRIOR TO COMMENCING ANY CONSTRUCTION AND NOTIFY HYDROSYSTEMS*KDI OF ANY VARIANCE FROM THE STATED PRESSURE IMMEDIATELY. WRITTEN DOCUMENTATION OF PRESSURE TEST AND RESULTS SHALL BE PROVIDED TO HYDROSYSTEMS*KDI AT CONSTRUCTION ONSET. IF CONTRACTOR FAILS TO FIELD VERIFY PRESSURE AND/OR NOTIFY HYDROSYSTEMS*KDI OF ANY VARIATIONS FROM THIS PRESSURE, THEN HE ASSUMES ALL CONSTRUCTION AND ENGINEERING COSTS ASSOCIATED WITH SYSTEM MODIFICATIONS REQUIRED TO ACCOMMODATE ACTUAL SITE PRESSURE. THIS SYSTEM HAS BEEN DESIGNED FOR A REQUIRED STATIC PRESSURE OF 100 PSI AT POC #1 AND 93 PSI AT POC #2 AND MINIMUM.
- NON-POTABLE WATER SOURCE - THIS SITE HAS BEEN DESIGNED TO BE IRRIGATED WITH NON-POTABLE WATER. ALL CAPS ON HEADS, VALVE HANDLES, VALVE BOX LIDS SHALL BE CONSTRUCTED OF PURPLE MATERIALS AND LABELED TO INDICATE NON-POTABLE WATER SUPPLY. ALL MAINLINE AND LATERAL PIPING SHALL BE PURPLE. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING SIGNS NOTIFYING THE PUBLIC OF THE USE OF NON-POTABLE WATER ON THIS SITE. SEE STATE REGULATIONS FOR CONTENT AND SIZE OF NOTIFICATION SIGNS. INSTALLATION CREWS ARE TO BE INFORMED OF THE USE OF NON-POTABLE WATER.
- IRRIGATION SYSTEM OPERATION INTENT - THIS IRRIGATION SYSTEM HAS BEEN DESIGNED TO IRRIGATE THE ESTABLISHED LANDSCAPE WITHIN A 6 NIGHT PER WEEK, 6 HOUR PER NIGHT WATERING WINDOW. ESTABLISHMENT WATERING WILL REQUIRE UP TO TWICE AS MUCH IRRIGATION FOR A FOUR TO SIX WEEK PERIOD. THE DESIGN IS BASED ON THE FOLLOWING PROJECTED WEEKLY APPLICATION RATES AFTER ESTABLISHMENT. THESE FIGURES ARE BASED ON A 30-YEAR AVERAGE WEATHER DATA AND WILL NEED TO BE ADJUSTED DUE TO SEASONAL CHANGES AND WEATHER CONDITIONS ABOVE AND BELOW THE AVERAGE VALUES UTILIZED.

| | |
|----------------------|--|
| BLUEGRASS TURF | 1.80" PER WEEK PEAK SEASON |
| ORNAMENTAL PLANTINGS | 0.89" PER WEEK PEAK SEASON |
| NATIVE SEED MIXES | 0.68" PER WEEK PEAK SEASON (TWO SEASONS) |

 NOTE: IT IS THE INTENT OF THIS DESIGN THAT NATIVE AREAS WOULD ONLY BE IRRIGATED FOR ESTABLISHMENT. SYSTEM WILL REMAIN FOR USE DURING YEARS WITH LESS THAN NORMAL RAINFALL.
- EQUIPMENT INSTALLATION - IT IS THE INTENT OF THIS DESIGN THAT ALL IRRIGATION EQUIPMENT BE INSTALLED WITHIN PROPERTY LIMITS AND WITHIN LANDSCAPED AREAS. ANY EQUIPMENT OTHER THAN VALVE BOXES OR SLEEVING THAT CONTAINS PIPE OR WIRES SHOWN OUTSIDE OF THESE LIMITS IS SHOWN IN THAT LOCATION FOR GRAPHICAL CLARITY ONLY. ALL VALVE BOXES SHALL BE INSTALLED A MINIMUM OF 2'-0" FROM EDGE OF ANY PAVED SURFACES UNLESS SPECIFICALLY INDICATED ON PLANS. BOXES INSTALLED IN OPEN TURF AREAS SHALL BE KEPT TO EDGES AND STAKED FOR REVIEW IF ALONG HIGH TRAFFIC AREAS. ALL VALVE BOXES SHALL BE PLACED A MINIMUM OF 3'-0" FROM THE CENTERLINE OF ANY DRAINAGE SWALE. ALL VALVE BOXES WITHIN PAVEMENT SHALL BE TIER 15 RATED BOXES FOR HEAVY DUTY NON-DELIBERATE TRAFFIC. BOX LID COLOR SHALL MATCH ADJACENT MATERIALS, I.E. GREEN IN TURF, TAN IN WOOD MULCH, GRAY IN STONE MULCH, PURPLE FOR RECLAIMED WATER SYSTEMS (IF REQUIRED). REFER TO LANDSCAPE PLANS FOR MATERIAL COLORS AND TYPES. ALL BOXES SHALL BE INSTALLED TO BE FLUSH WITH GRADE AND IN AN ORDERLY MANNER.
- MANUAL DRAIN VALVES - CONTRACTOR TO INSTALL ONE MANUAL DRAIN VALVE ON PRESSURE SUPPLY LINE DIRECTLY DOWNSTREAM OF BACKFLOW PREVENTER AND AT ALL LOW POINTS AND DEAD ENDS OF PRESSURE SUPPLY PIPING TO INSURE COMPLETE DRAINAGE OF SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THESE LOCATIONS IN-FIELD AND INSTALLATION LOCATIONS SHALL BE NOTED ON AS-BUILTS.
- POP-UP SPRAY NOZZLES - CONTRACTOR TO INSTALL PLASTIC NOZZLES ON ALL POP-UP SPRAY HEADS. INSTALL 15 SERIES NOZZLES ON ALL HEADS SPACED AT 12' TO 14'. INSTALL 10 SERIES NOZZLES ON ALL HEADS SPACED AT 8' TO 9'. INSTALL 5 SERIES NOZZLES ON ALL HEADS SPACED AT 5'. INSTALL SIDE STRIP NOZZLES ON ALL HEADS WITH AN 'S' DESIGNATION AND RIGHT AND LEFT CORNER STRIP NOZZLES ON ALL HEADS WITH AN 'L' OR 'R' DESIGNATION. VARIABLE ARC NOZZLES SHOULD BE UTILIZED ADJACENT TO CURVILINEAR SHRUB BEDS OR FOR ANY ANGLES THAT ARE NOT A STANDARD NOZZLE ANGLE. WHERE INDICATED, INSTALL LOW FLOW SQ SERIES SQUARE NOZZLES AT SPACING SHOWN. HIGH EFFICIENCY PRECISION 0 NOZZLES HAVE BEEN SELECTED FOR THEIR DISTRIBUTION UNIFORMITY AND FLOW CHARACTERISTICS. NO SUBSTITUTION WILL BE ALLOWED.
- DRIP IRRIGATION - REFER TO IRRIGATION DETAIL SHEET FOR DRIP EMITTER QUANTITIES AND PLACEMENT.
- UNLABELED PIPING - ALL UNLABELED LATERAL PIPING SHALL BE 1" MINIMUM UNLESS OTHERWISE NOTED.
- SLEEVING - ALL SLEEVING UNDER PAVED SURFACES SHOWN ON PLANS IS BY CONTRACTOR UNLESS OTHERWISE NOTED. SLEEVING SHALL BE INSTALLED IN THE SIZES AND QUANTITIES SHOWN ON PLANS OR BASED ON THE SCHEDULE BELOW. WHERE SLEEVES ARE SHOWN, BUT NOT LABELED, FOLLOW THE SCHEDULE BELOW. ALL MAINLINE, CONTROL WIRES AND DRIP LINES UNDER PAVED SURFACES ARE TO BE INSTALLED IN SLEEVING. ALL MAINLINE SLEEVE LOCATIONS TO INCLUDE A SEPARATE WIRE SLEEVE.

| SLEEVED PIPE SIZE/WIRE QUANTITY | REQUIRED SLEEVE SIZE & QUANTITY |
|---------------------------------|---------------------------------|
| 3/4" - 1 1/4" PIPING | 2" FVC (1) |
| 1 1/2" - 2" PIPING | 4" FVC (1) |
| 2 1/2" - 3" PIPING | 6" FVC (1) |
| 1-25 CONTROL WIRES | 2" FVC (1) |
| COMMUNICATION CABLE | 2" FVC (1) |
- SPARE CONTROL WIRES - CONTRACTOR SHALL EXTEND THREE SPARE WIRES (ONE COMMON AND 2 CONTROL WIRES) FROM EACH CONTROLLER TO THE END OF THE MAINLINE SERVING THAT CONTROLLER OR AS SHOWN ON THE PLANS. INSTALL SPARE WIRES IN 10" ROUND VALVE BOX WITH QUICK COUPLING VALVE. REFER TO SPECIFICATIONS FOR WIRE COLOR. SEE IRRIGATION SCHEDULE FOR ADDITIONAL INFORMATION.
- ADJUSTMENT - CONTRACTOR SHALL FINE TUNE/ADJUST THE IRRIGATION SYSTEM TO REDUCE/AVOID OVERSPRAY ONTO HARD SURFACES BY ADJUSTING NOZZLE DIRECTION AND NOZZLE RADIUS.
- PLANS AND SPECIFICATIONS - CONTRACTOR RESPONSIBLE TO ENSURE WORK CONFORMS TO PLANS AND SPECIFICATIONS. AT ONSET OF CONSTRUCTION, VERIFY PLANS ARE CURRENT. WHERE REQUIRED BY CITY, CONTRACTOR SHALL CONSTRUCT ONLY OFF CITY STAMPED PLANS. REVISIONS TO CITY STAMPED PLANS SHALL CONFORM TO CITY FIELD CHANGE PROCEDURES AND DOCUMENTATION.
- EXISTING IRRIGATION DAMAGE - CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING IRRIGATION SYSTEMS DAMAGED DURING NEW INSTALLATION. REPAIR OR REPLACEMENT SHALL BE DETERMINED BY OWNER OR OWNER'S REPRESENTATIVE AND PAID FOR BY THE LANDSCAPE CONTRACTOR.
- EXISTING IRRIGATION COORDINATION - EXISTING IRRIGATION SYSTEM SHALL NOT BE TURNED OFF FOR MORE THAN 24 HOURS MAXIMUM. CONTRACTOR SHALL COORDINATE TURN OFF OF SYSTEM WITH OWNER OR MAINTENANCE STAFF 72 HOURS PRIOR TO ANY NEW CONSTRUCTION.
- SIMULTANEOUS ZONE OPERATION - THIS IRRIGATION SYSTEM HAS BEEN DESIGNED TO OPERATE MULTIPLE ZONES SIMULTANEOUSLY BASED ON INDIVIDUAL ZONE FLOW. THE DESIGN IS INTENDED TO OPERATE MULTIPLE VALVES, UP TO THE MAXIMUM FLOW IN THE POINT OF CONNECTION NOTE. REFER TO CONTROLLER SPECIFICATION FOR MAXIMUM SIMULTANEOUS VALVE COUNT.

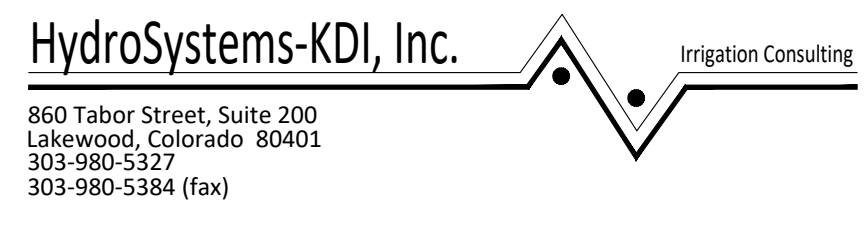
2-WIRE CONSTRUCTION NOTES

- 2-WIRE SYSTEM NOTES - CONTRACTOR SHALL INSTALL ALL TWO-WIRE COMPONENTS PER MANUFACTURERS RECOMMENDATIONS AND STANDARDS.
 - CONTRACTOR SHALL USE ONLY MANUFACTURED 2-WIRE DECODER CABLE (SEE SCHEDULE FOR SPECIFIC 2-WIRE CABLE).
 - USE DIFFERENT COLOR 2-WIRE DECODER CABLE FOR EACH CONTROLLER (BLUE FOR A AND BLACK FOR B).
 - ONLY USE SINGLE STATION DECODERS (SEE SCHEDULE FOR SPECIFIC MODEL).
 - ONLY USE SENSOR DECODER FOR FLOW SENSOR (SEE SCHEDULE FOR SPECIFIC MODEL) IF INDICATED ON PLANS.
 - LOOP 5' OF 2-WIRE DECODER CABLE INTO ALL VALVE BOXES (WITH DECODERS AND SPLICES) FOR MAINTENANCE.
 - USE ONLY 3M DBR-6 WATERPROOF CONNECTORS ON ALL WIRE SPLICES AND ALL WIRE SPLICES ARE TO BE MADE WITHIN A VALVE BOX WITH CONTROL VALVES OR A SEPARATE 10" ROUND VALVE BOX FOR WIRE SPLICES.
 - INSTALL SURGE PROTECTOR RODS OR PLATES & LF. FROM VALVES, DECODERS, AND COMMUNICATION WIRE.
 - GROUND ALL DECODERS AND DECODER WIRE A MINIMUM OF EVERY WEATHERMATIC-500' OF WIRE AND AT ALL ENDS OF 2-WIRE DECODER CABLE RUN. LOOP EXTRA 5' OF 2-WIRE DECODER CABLE INTO A VALVE BOX AT PHASING LINES FOR FUTURE CONNECTION (IF INDICATED ON PLANS).
 -

| POINTS OF CONNECTION & CONTROLLER DATA | | | | | | |
|--|-----------------|-----------------------|--------------------------|-----------------------------|--------------------------------|---------------------------------------|
| TAP NO. | TAP SIZE (INCH) | ASSOCIATED CONTROLLER | CONTROLLER STATION COUNT | PEAK FLOW REQUIREMENT (GPM) | REQUIRED STATIC PRESSURE (PSI) | PRESSURE REDUCING VALVE SETTING (PSI) |
| 1 | 1.5" | A | 48 | 40 | 103 | 90 |
| 2 | 1.5" | B | 48 | 40 | 101 | 94 |

| POINTS OF CONNECTION EQUIPMENT SIZING | |
|--|--------|
| TAP SIZE | 1 1/2" |
| SERVICE LINE FROM CITY MAIN TO 5' DOWNSTREAM METER | 1 1/2" |
| METER | 1 1/2" |
| SERVICE LINE TO BACKFLOW PREVENTER | 1 1/2" |
| STOP & WASTE VALVE | 1 1/2" |
| BACKFLOW PREVENTER | 1 1/2" |
| PRV (IF APPLICABLE) | 1 1/2" |
| FLOW SENSOR | 1 1/2" |
| MASTER VALVE | 1 1/2" |
| GATE VALVE | 1 1/2" |

REFER TO SHEET
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| TOWN OF PARKER, PUBLIC WORKS MANAGER--STORMWATER | DATE |
| TOWN OF PARKER, PUBLIC WORKS MANAGER--TRANSPORTATION | DATE |

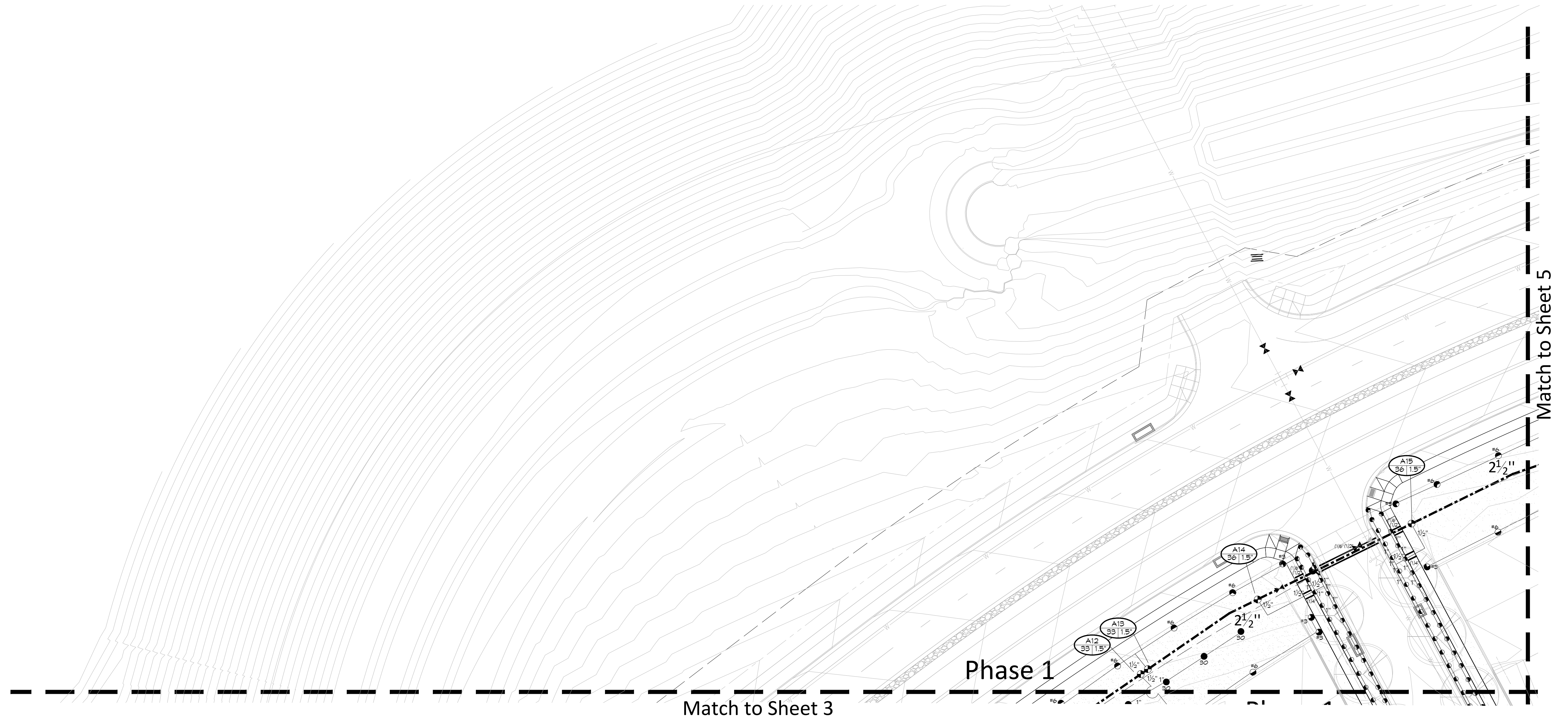
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COMPARK VILLAGE SOUTH FILING NO. 2 FINAL IRRIGATION PLAN - SECTIONS

| | | |
|--|---|---|
| OWNER 470 Compark, LLC 290 Fillmore St., Suite 2 Denver, CO 80206 | LANDSCAPE ARCHITECT Plan West, Inc. 767 Santa Fe Drive Denver, CO 80204 (303) 741-1411 | Town of Parker Colorado job no. 2015/20 date 12-27-2016 revisions |
| ENGINEER Manhard Consulting 8008 E. Arapahoe Ct. Suite 110 Centennial 80112 (303) 531-3213 | Sheet 1 of 16 | |
| PLANNING SITE DESIGN LANDSCAPE ARCHITECTURE ENTITLEMENTS 767 Santa Fe Drive Denver, Colorado 80204 planwest.com 303-741-1411 | | |

COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN

A PARCEL OF LAND LOCATED IN THE SOUTH HALF OF SECTION 6, TOWNSHIP 6 SOUTH RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO
PLANNING AREA 17 & 18
32.86 ACRES, 192 RESIDENTIAL UNITS, 20 TRACTS



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860 Tabor Street, Suite 200
Lakewood, Colorado 80401
303-980-5327
303-980-5384 (fax)

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| TOWN OF PARKER, PUBLIC WORKS MANAGER—STORMWATER | DATE |
| TOWN OF PARKER, PUBLIC WORKS MANAGER—TRANSPORTATION | DATE |

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470 Compark, LLC
290 Fillmore St., Suite 2
Denver, CO 80206

LANDSCAPE ARCHITECT
Plan West, Inc.
767 Santa Fe Drive
Denver, CO 80204
(303) 741-1411

Town of Parker
Colorado

job no. 2015/20
date 12-27-2016
revisions

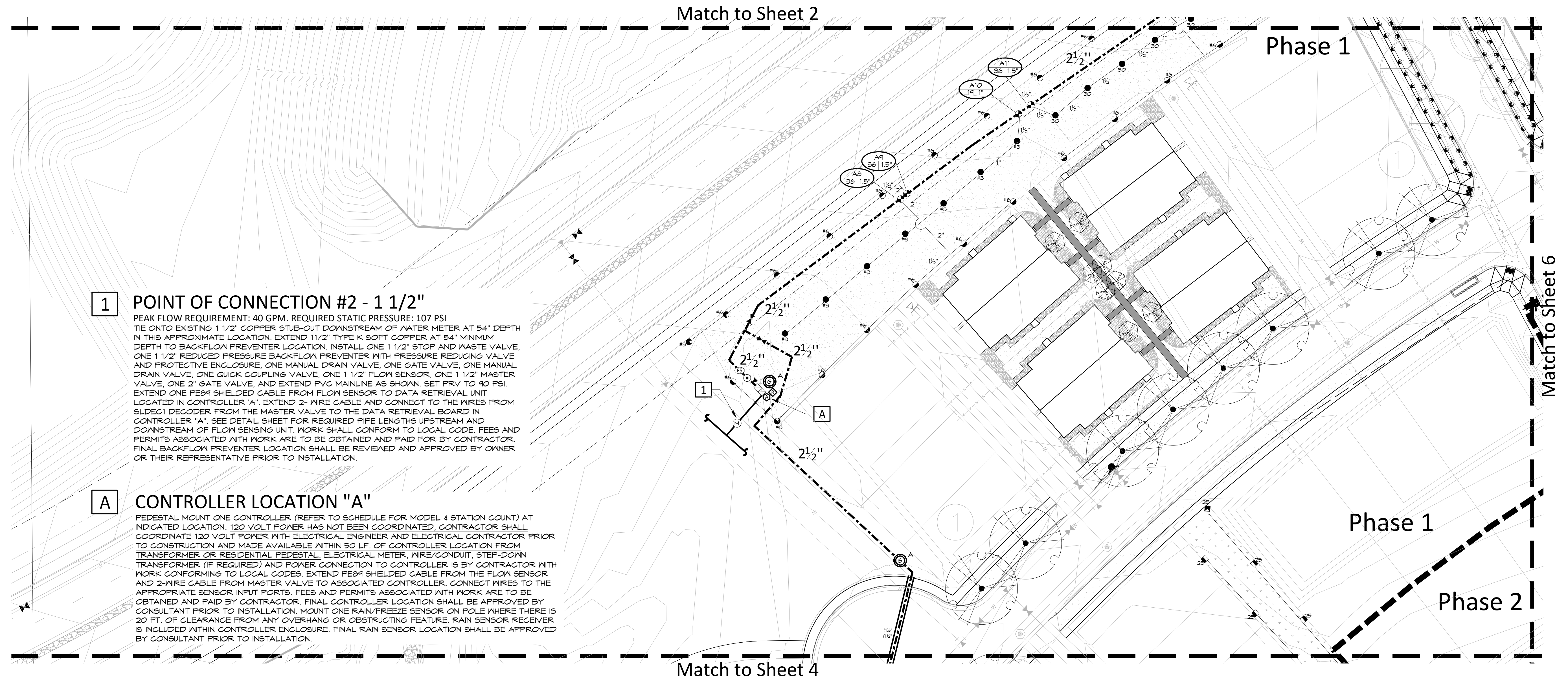
ENGINEER
Manhard Consulting
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Centennial 80112
(303) 531-3213



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1 POINT OF CONNECTION #2 - 1 1/2"
PEAK FLOW REQUIREMENT: 40 GPM. REQUIRED STATIC PRESSURE: 107 PSI
TIE ONTO EXISTING 1 1/2" COPPER STUB-OUT DOWNSTREAM OF WATER METER AT 54" DEPTH
IN THIS APPROXIMATE LOCATION. EXTEND 1 1/2" TYPE K SOFT COPPER AT 54" MINIMUM
DEPTH TO BACKFLOW PREVENTER LOCATION. INSTALL ONE 1 1/2" STOP AND WASTE VALVE,
ONE 1 1/2" REDUCED PRESSURE BACKFLOW PREVENTER WITH PRESSURE REDUCING VALVE
AND PROTECTIVE ENCLOSURE, ONE MANUAL DRAIN VALVE, ONE GATE VALVE, ONE MANUAL
DRAIN VALVE, ONE QUICK COUPLING VALVE, ONE 1 1/2" FLOW SENSOR, ONE 1 1/2" MASTER
VALVE, ONE 2" GATE VALVE, AND EXTEND PVC MAINLINE AS SHOWN. SET PRV TO 90 PSI.
EXTEND ONE FE29 SHIELDED CABLE FROM FLOW SENSOR TO DATA RETRIEVAL UNIT
LOCATED IN CONTROLLER "A". EXTEND 2-WIRE CABLE AND CONNECT TO THE WIRES FROM
SLDEC1 DECODER FROM THE MASTER VALVE TO THE DATA RETRIEVAL BOARD IN
CONTROLLER "A". SEE DETAIL SHEET FOR REQUIRED PIPE LENGTHS UPSTREAM AND
DOWNSTREAM OF FLOW SENSING UNIT. WORK SHALL CONFORM TO LOCAL CODE. FEES AND
PERMITS ASSOCIATED WITH WORK ARE TO BE OBTAINED AND PAID FOR BY CONTRACTOR.
FINAL BACKFLOW PREVENTER LOCATION SHALL BE REVIEWED AND APPROVED BY OWNER
OR THEIR REPRESENTATIVE PRIOR TO INSTALLATION.

A CONTROLLER LOCATION "A"
PEDESTAL MOUNT ONE CONTROLLER (REFER TO SCHEDULE FOR MODEL & STATION COUNT) AT
INDICATED LOCATION. 120 VOLT POWER HAS NOT BEEN COORDINATED. CONTRACTOR SHALL
COORDINATE 120 VOLT POWER WITH ELECTRICAL ENGINEER AND ELECTRICAL CONTRACTOR PRIOR
TO CONSTRUCTION AND MADE AVAILABLE WITHIN 50 LF. OF CONTROLLER LOCATION FROM
TRANSFORMER OR RESIDENTIAL PEDESTAL ELECTRICAL METER, WIRE/CONDUIT, STEP-DOWN
TRANSFORMER (IF REQUIRED) AND POWER CONNECTION TO CONTROLLER IS BY CONTRACTOR WITH
WORK CONFORMING TO LOCAL CODES. EXTEND FE29 SHIELDED CABLE FROM THE FLOW SENSOR
AND 2-WIRE CABLE FROM MASTER VALVE TO ASSOCIATED CONTROLLER. CONNECT WIRES TO THE
APPROPRIATE SENSOR INPUT PORTS. FEES AND PERMITS ASSOCIATED WITH WORK ARE TO BE
OBTAINED AND PAID BY CONTRACTOR. FINAL CONTROLLER LOCATION SHALL BE APPROVED BY
CONSULTANT PRIOR TO INSTALLATION. MOUNT ONE RAIN/FREEZE SENSOR ON POLE WHERE THERE IS
20 FT. OF CLEARANCE FROM ANY OVERHANG OR OBSTRUCTING FEATURE. RAIN SENSOR RECEIVER
IS INCLUDED WITHIN CONTROLLER ENCLOSURE. FINAL RAIN SENSOR LOCATION SHALL BE APPROVED
BY CONSULTANT PRIOR TO INSTALLATION.

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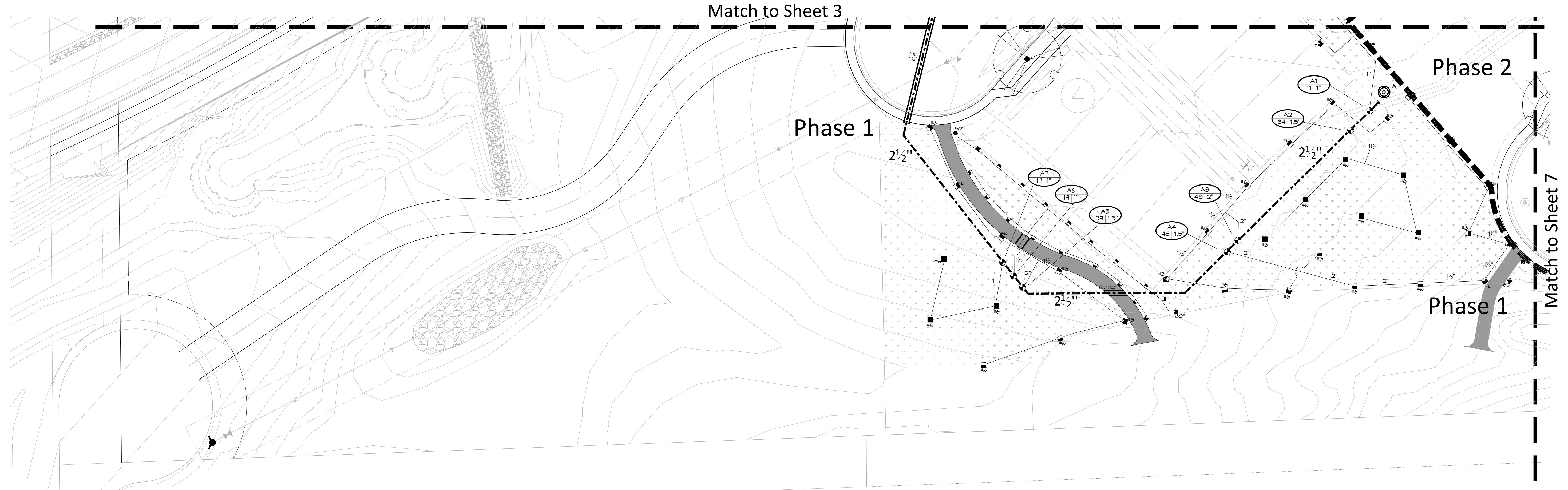
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Scale 1" = 30'

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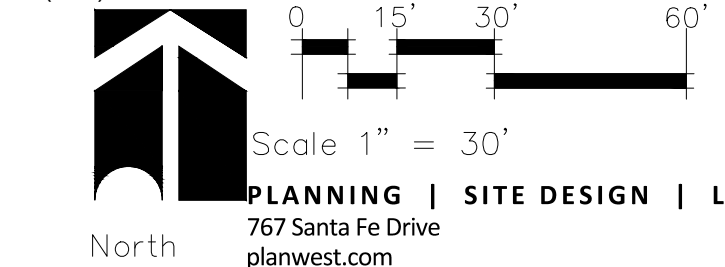
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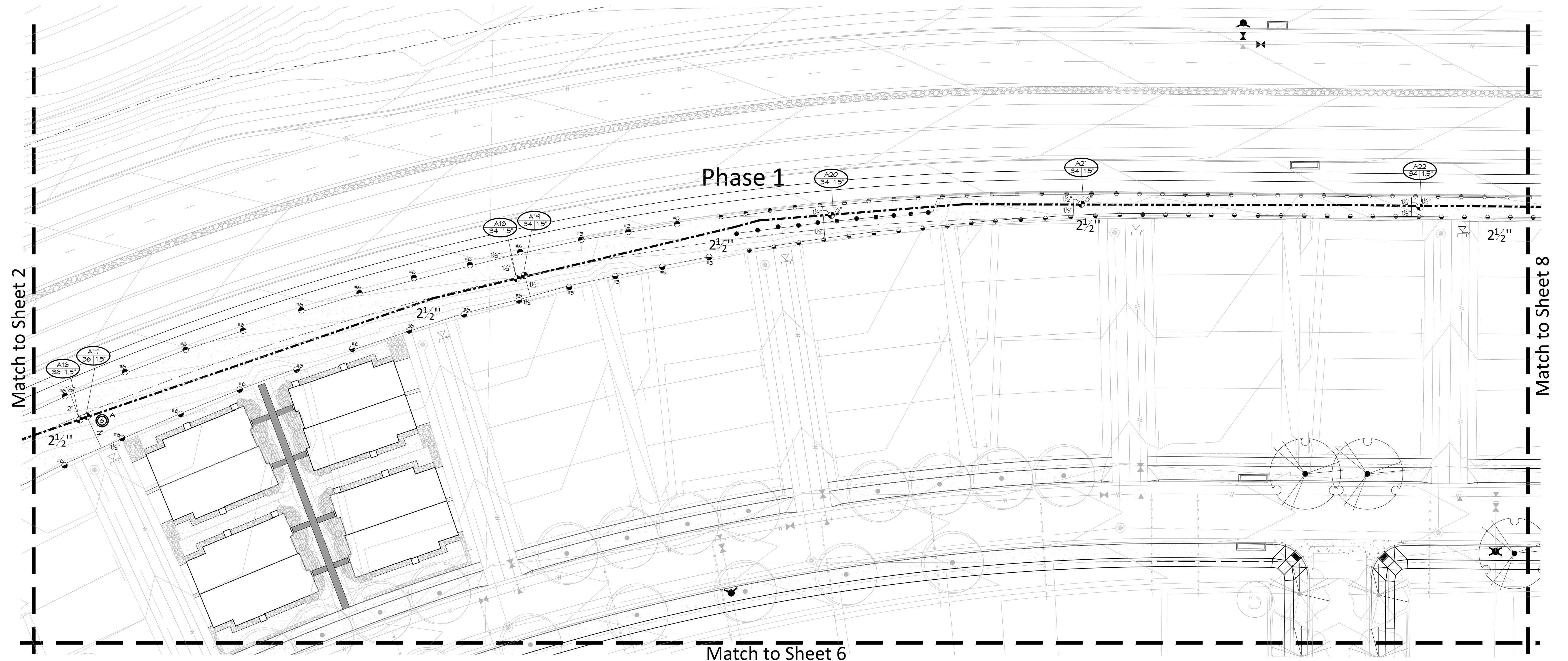


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COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN

A PARCEL OF LAND LOCATED IN THE SOUTH HALF OF SECTION 6, TOWNSHIP 6 SOUTH RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO
PLANNING AREA 17 & 18
32.86 ACRES, 192 RESIDENTIAL UNITS, 20 TRACTS



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| | |
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| 1 | IRRIGATION SCHEDULE |
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| 12- 15 | IRRIGATION DETAILS |
| 16 | IRRIGATION CHARTS |



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860 Tabor Street, Suite 200
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303-980-5327
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| TOWN OF PARKER APPROVALS | |
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| TOWN OF PARKER, PUBLIC WORKS MANAGER-STORMWATER | DATE |
| TOWN OF PARKER, PUBLIC WORKS MANAGER-TRANSPORTATION | DATE |

COMPARK VILLAGE SOUTH FILING NO. 2 FINAL IRRIGATION PLAN - SECTIONS

| | | |
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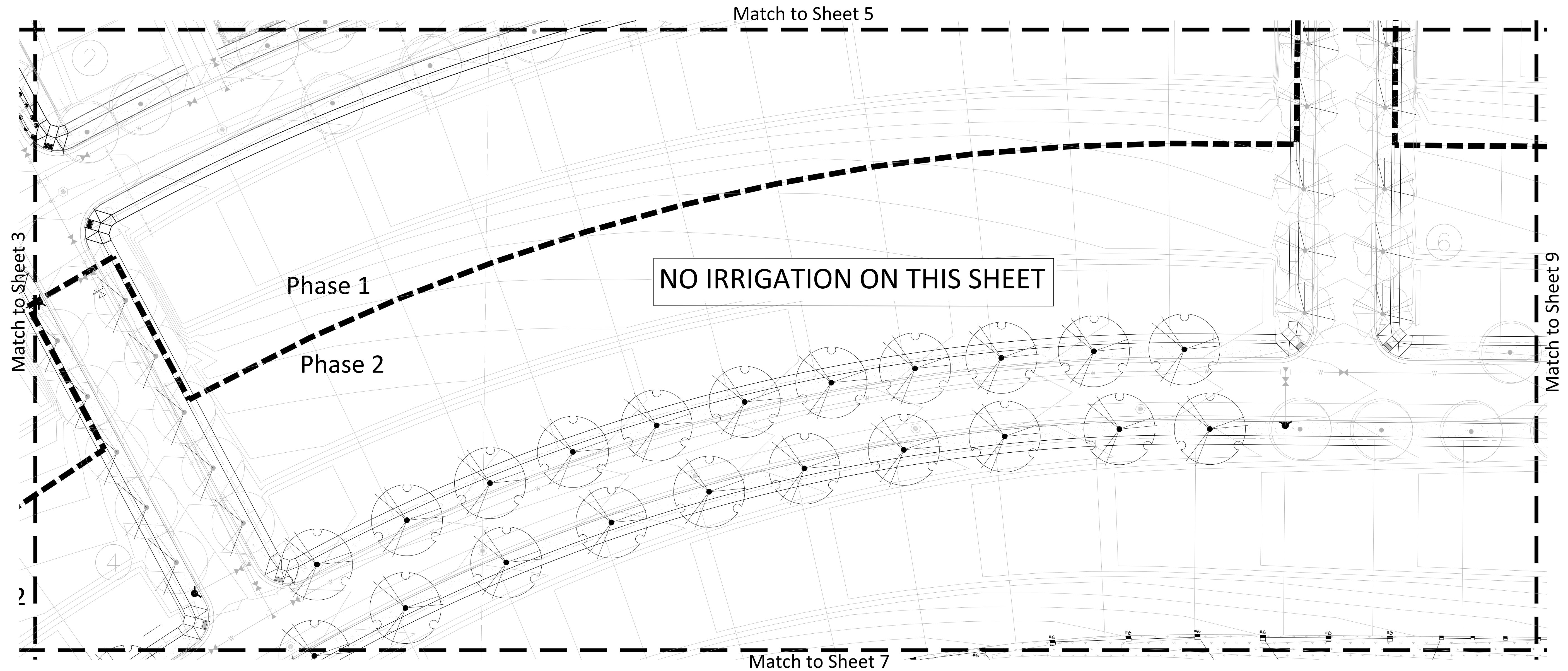
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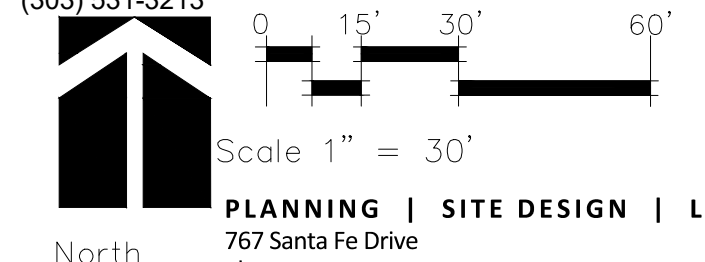
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Denver, CO 80206

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Plan West, Inc.
767 Santa Fe Drive
Denver, CO 80204
(303) 741-1411

Town of Parker
Colorado

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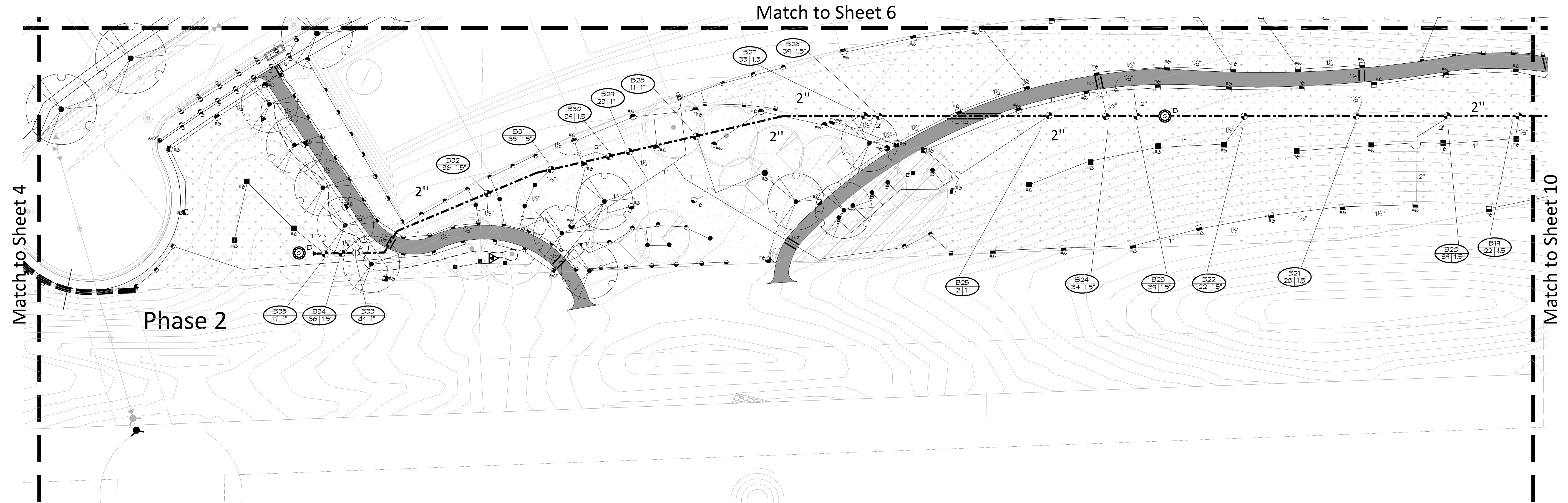
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| TOWN OF PARKER, PUBLIC WORKS MANAGER—TRANSPORTATION | DATE |

COMPARK VILLAGE SOUTH FILING NO. 2 FINAL IRRIGATION PLAN - SECTIONS

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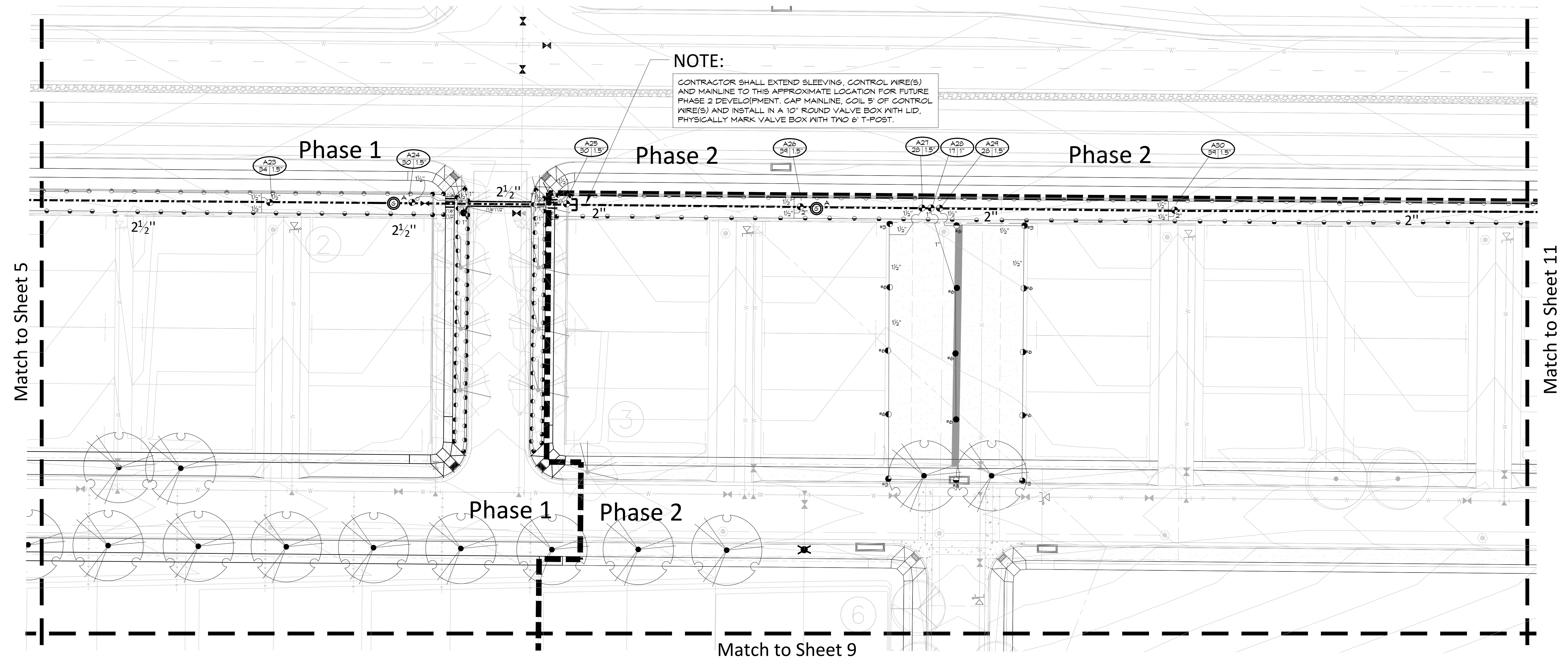
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COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN

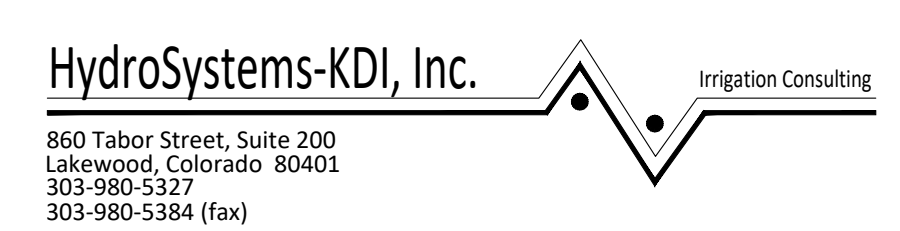
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32.86 ACRES, 192 RESIDENTIAL UNITS, 20 TRACTS



NOTE:
CONTRACTOR SHALL EXTEND SLEEVING, CONTROL WIRE(S) AND MAINLINE TO THIS APPROXIMATE LOCATION FOR FUTURE PHASE 2 DEVELOPMENT. CAP MAINLINE, COIL 5' OF CONTROL WIRE(S) AND INSTALL IN A 10" ROUND VALVE BOX WITH LID. PHYSICALLY MARK VALVE BOX WITH TWO 6' T-POST.

REFER TO SHEET

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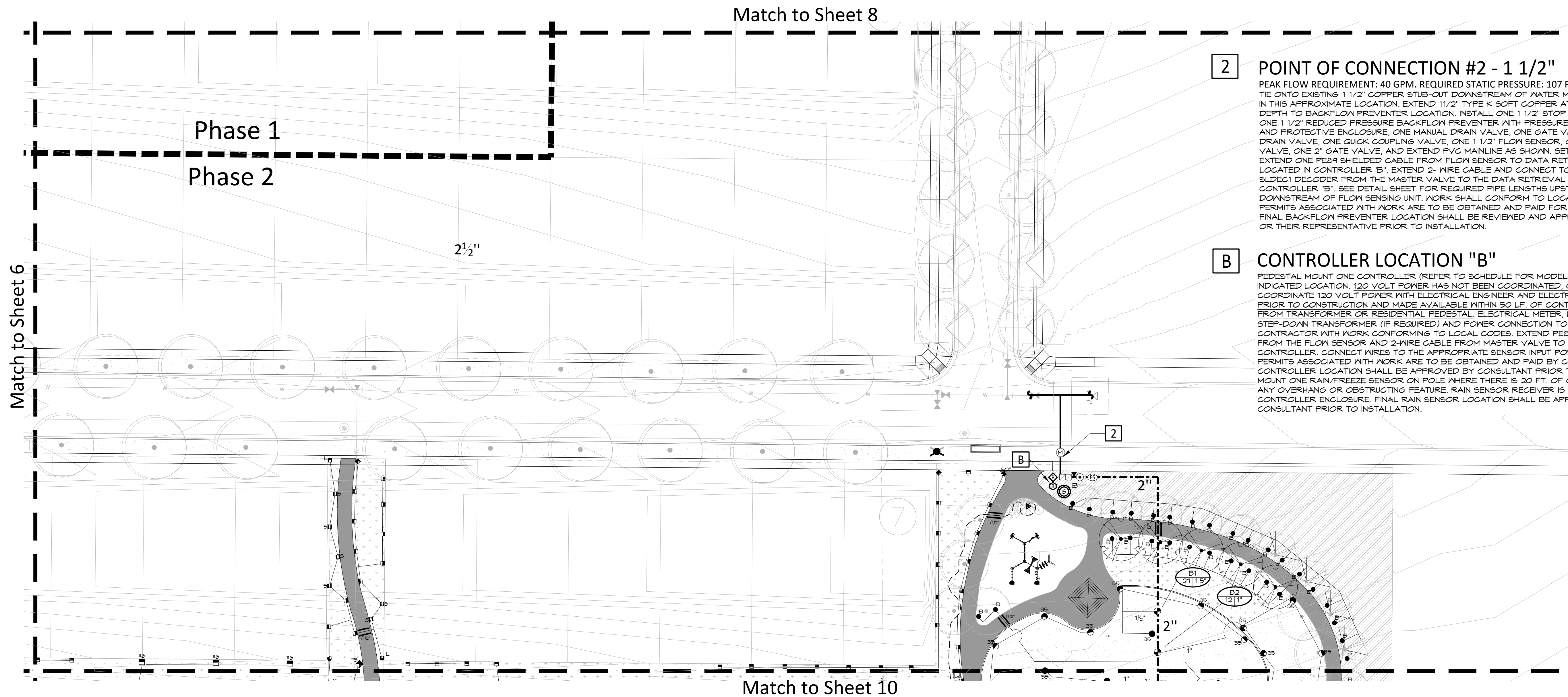
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COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN

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32.86 ACRES, 192 RESIDENTIAL UNITS, 20 TRACTS



2 POINT OF CONNECTION #2 - 1 1/2"
PEAK FLOW REQUIREMENT: 40 GPM. REQUIRED STATIC PRESSURE: 107 PSI
TIE ONTO EXISTING 1 1/2" COPPER STUB-OUT DOWNSTREAM OF WATER METER AT 54" DEPTH IN THIS APPROXIMATE LOCATION. EXTEND 1 1/2" TYPE K SOFT COPPER AT 54" MINIMUM DEPTH TO BACKFLOW PREVENTER LOCATION. INSTALL ONE 1 1/2" STOP AND WASTE VALVE, ONE 1 1/2" REDUCED PRESSURE BACKFLOW PREVENTER WITH PRESSURE REDUCING VALVE AND PROTECTIVE ENCLOSURE, ONE MANUAL DRAIN VALVE, ONE GATE VALVE, ONE MANUAL DRAIN VALVE, ONE QUICK COUPLING VALVE, ONE 1 1/2" FLOW SENSOR, ONE 1 1/2" MASTER VALVE, ONE 2" GATE VALVE, AND EXTEND PVC MAINLINE AS SHOWN. SET PRV TO 94 PSI. EXTEND ONE FES#1 SHIELDED CABLE FROM FLOW SENSOR TO DATA RETRIEVAL UNIT LOCATED IN CONTROLLER 'B'. EXTEND 2-WIRE CABLE AND CONNECT TO THE WIRES FROM SLD#1 DECODER FROM THE MASTER VALVE TO THE DATA RETRIEVAL BOARD IN CONTROLLER 'B'. SEE DETAIL SHEET FOR REQUIRED PIPE LENGTHS UPSTREAM AND DOWNSTREAM OF FLOW SENSING UNIT. WORK SHALL CONFORM TO LOCAL CODE. FEES AND PERMITS ASSOCIATED WITH WORK ARE TO BE OBTAINED AND PAID FOR BY CONTRACTOR. FINAL BACKFLOW PREVENTER LOCATION SHALL BE REVIEWED AND APPROVED BY OWNER OR THEIR REPRESENTATIVE PRIOR TO INSTALLATION.

B CONTROLLER LOCATION "B"
PEDESTAL MOUNT ONE CONTROLLER (REFER TO SCHEDULE FOR MODEL & STATION COUNT) AT INDICATED LOCATION. 120 VOLT POWER HAS NOT BEEN COORDINATED. CONTRACTOR SHALL COORDINATE 120 VOLT POWER WITH ELECTRICAL ENGINEER AND ELECTRICAL CONTRACTOR PRIOR TO CONSTRUCTION AND MADE AVAILABLE WITHIN 50 LF. OF CONTROLLER LOCATION FROM TRANSFORMER OR RESIDENTIAL PEDESTAL ELECTRICAL METER, WIRE/CONDUIT, STEP-DOWN TRANSFORMER (IF REQUIRED) AND POWER CONNECTION TO CONTROLLER IS BY CONTRACTOR WITH WORK CONFORMING TO LOCAL CODES. EXTEND FES#1 SHIELDED CABLE FROM THE FLOW SENSOR AND 2-WIRE CABLE FROM MASTER VALVE TO ASSOCIATED CONTROLLER. CONNECT WIRES TO THE APPROPRIATE SENSOR INPUT PORTS. FEES AND PERMITS ASSOCIATED WITH WORK ARE TO BE OBTAINED AND PAID BY CONTRACTOR. FINAL CONTROLLER LOCATION SHALL BE APPROVED BY CONSULTANT PRIOR TO INSTALLATION. MOUNT ONE RAIN/FREEZE SENSOR ON POLE WHERE THERE IS 20 FT. OF CLEARANCE FROM ANY OVERHANG OR OBSTRUCTING FEATURE. RAIN SENSOR RECEIVER IS INCLUDED WITHIN CONTROLLER ENCLOSURE. FINAL RAIN SENSOR LOCATION SHALL BE APPROVED BY CONSULTANT PRIOR TO INSTALLATION.

REFER TO SHEET

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COMPARK VILLAGE SOUTH FILING NO. 2 FINAL IRRIGATION PLAN - SECTIONS

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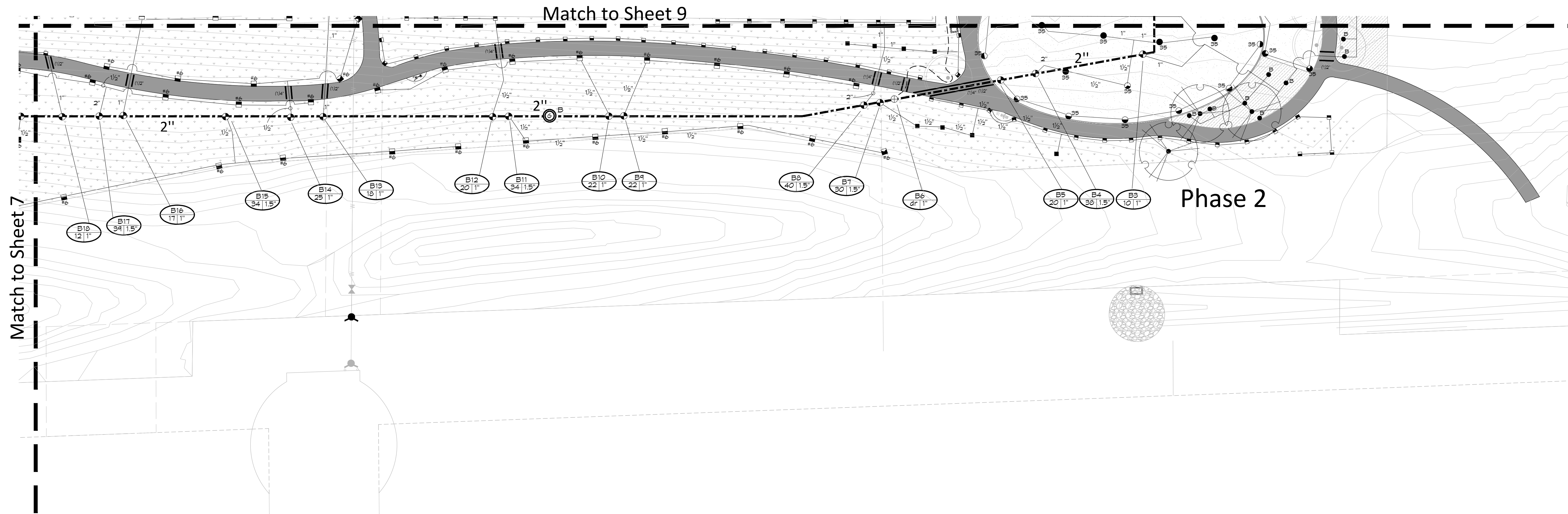
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Sheet 9 of 16

COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN

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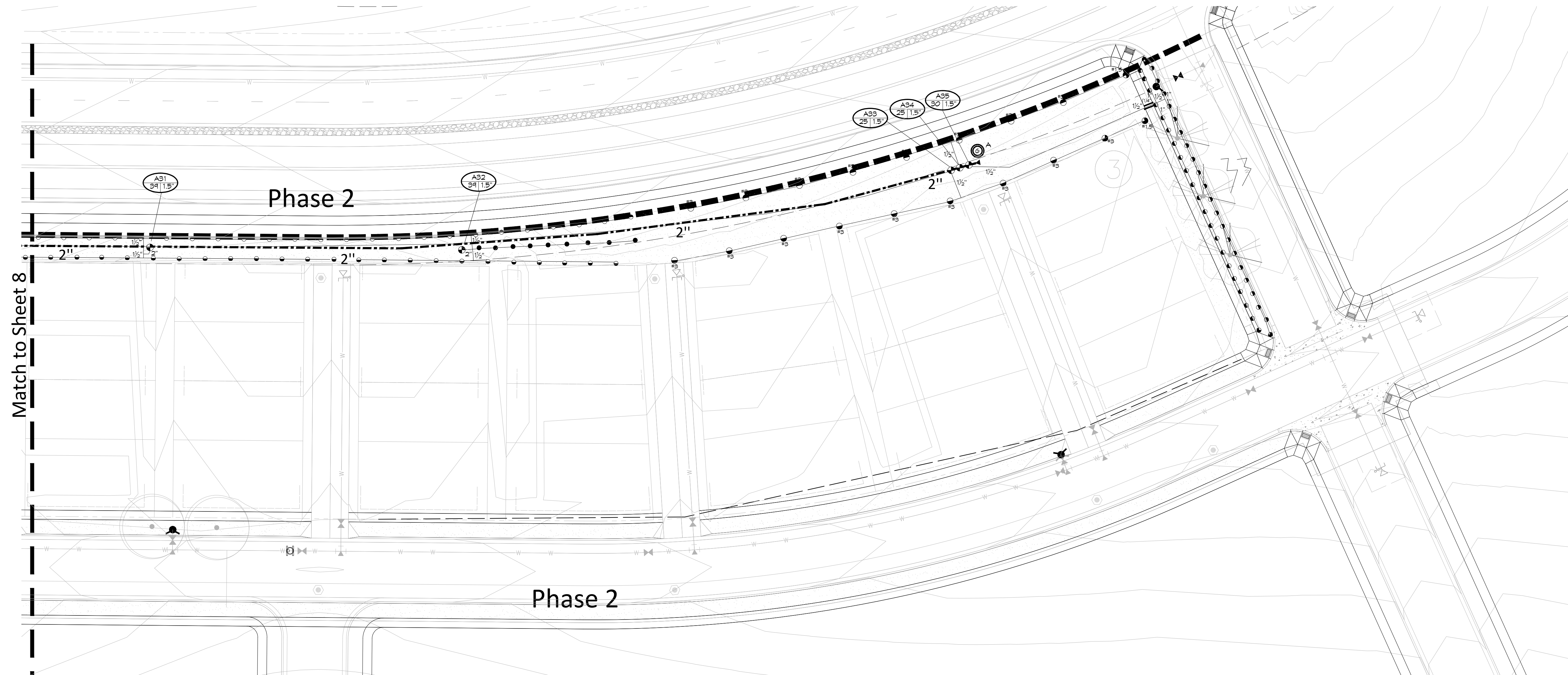
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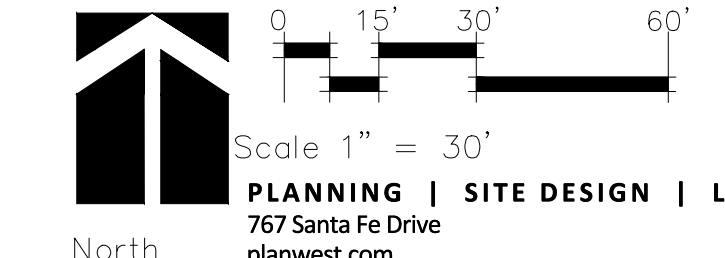
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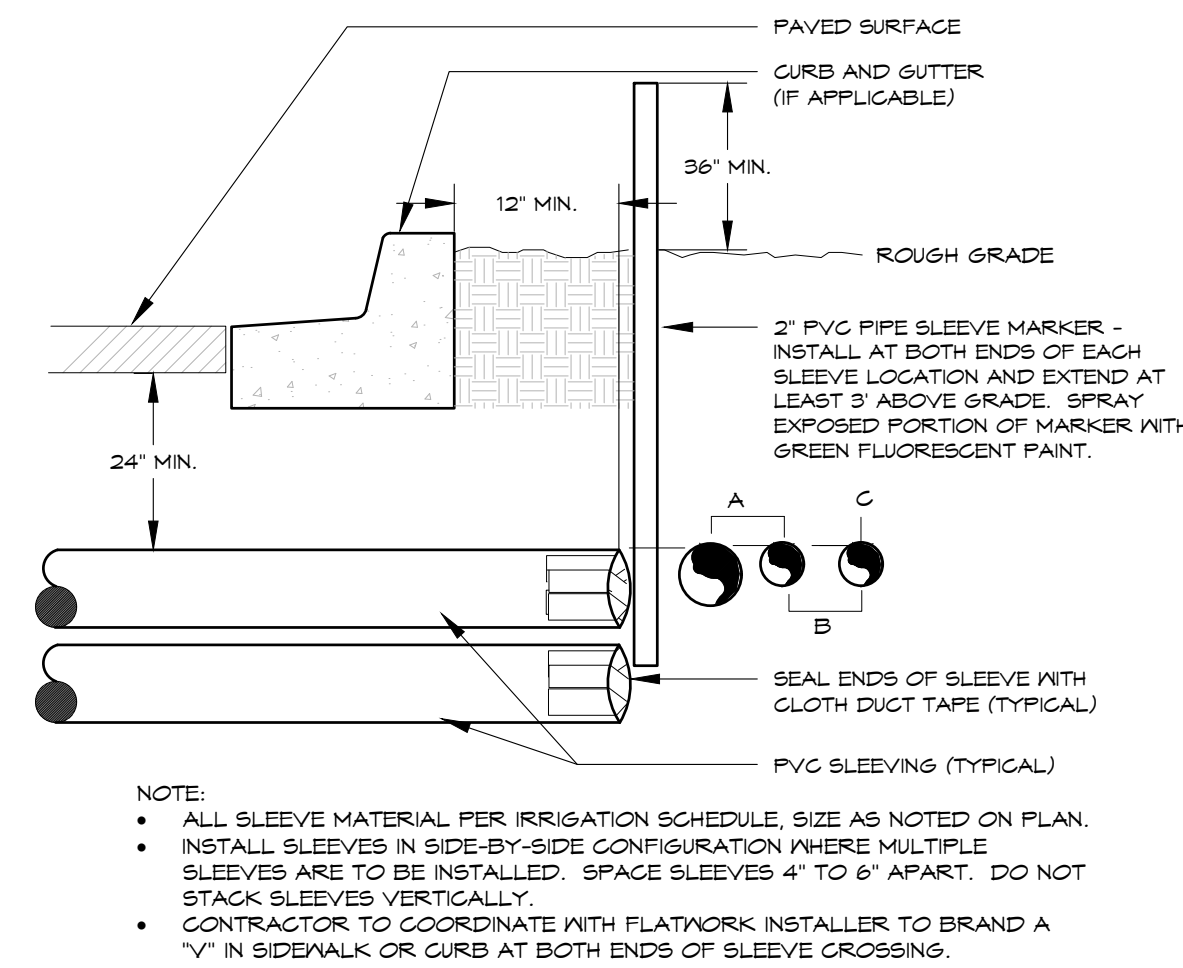
Sheet 11 of 16

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PLANNING | SITE DESIGN | LANDSCAPE ARCHITECTURE | ENTITLEMENTS
Denver, Colorado, 80204
303-741-1411

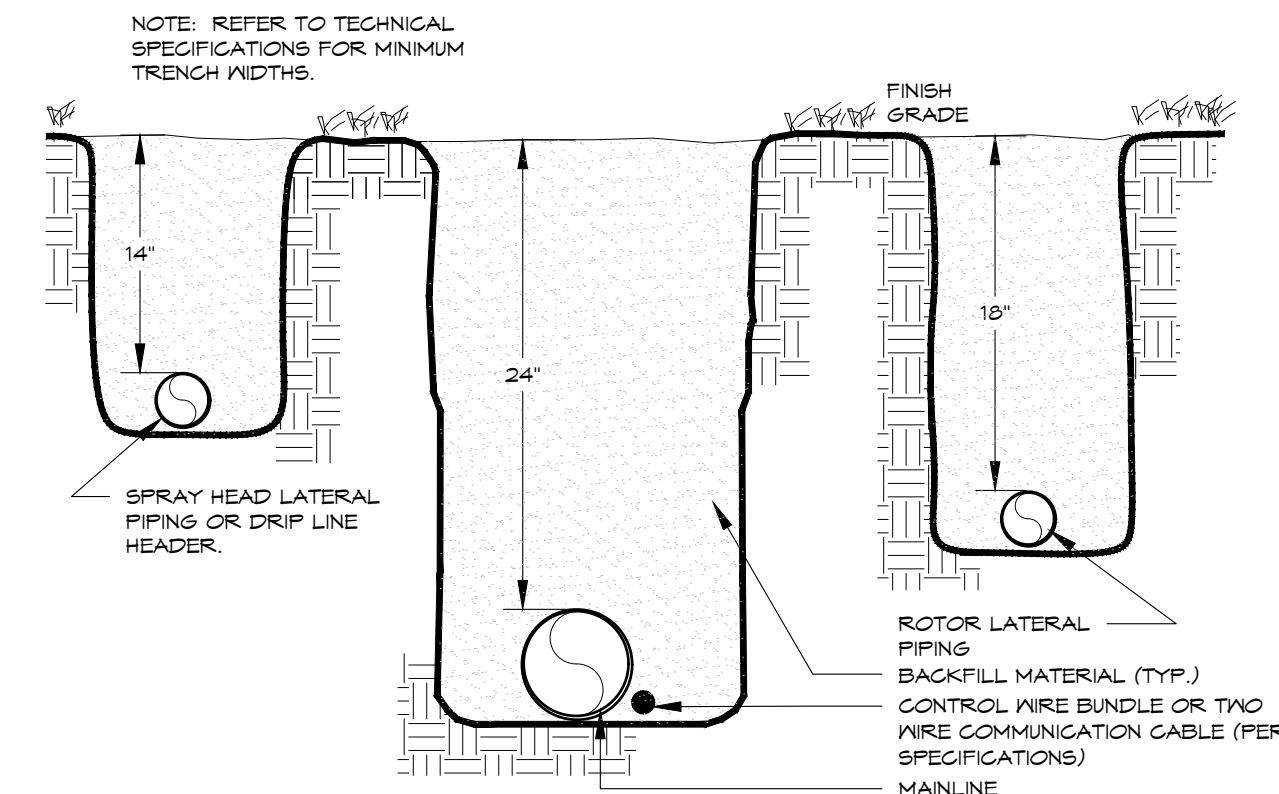
COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN

A PARCEL OF LAND LOCATED IN THE SOUTH HALF OF SECTION 6, TOWNSHIP 6 SOUTH RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO
PLANNING AREA 17 & 18
32.86 ACRES, 192 RESIDENTIAL UNITS, 20 TRACTS



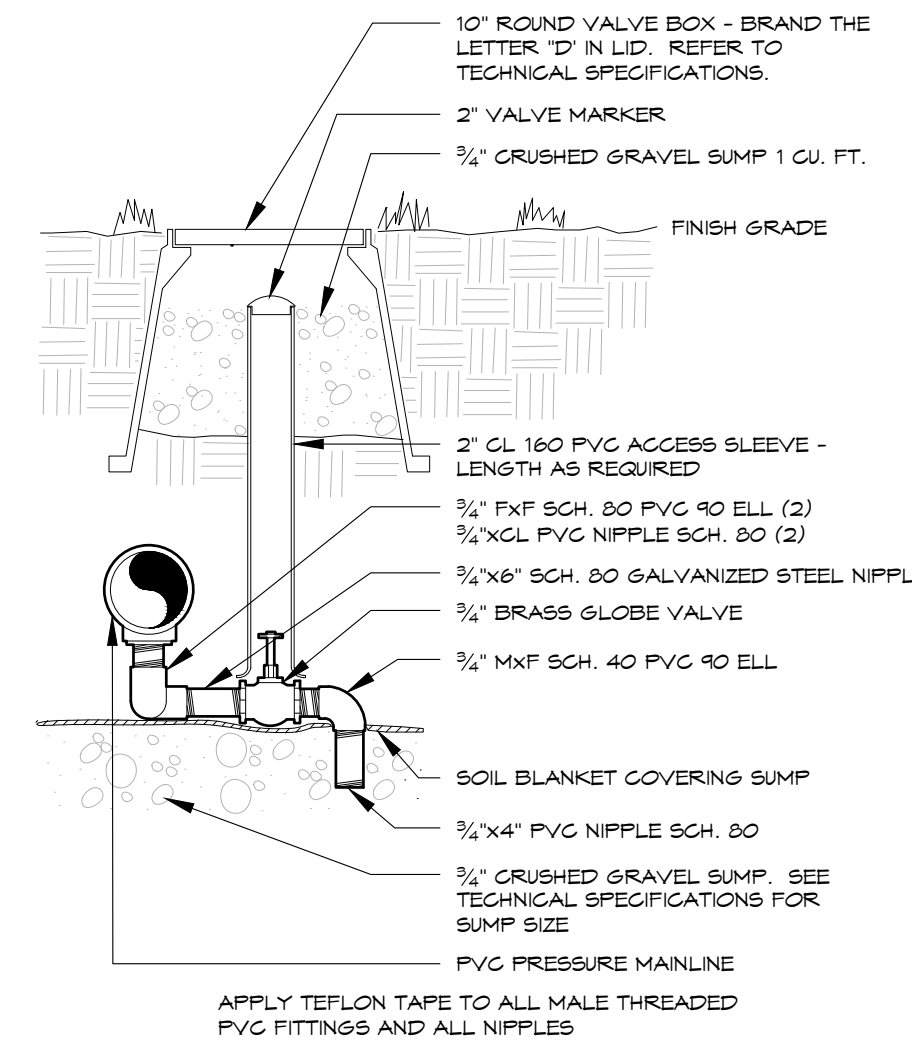
IRRIGATION SLEEVING

1



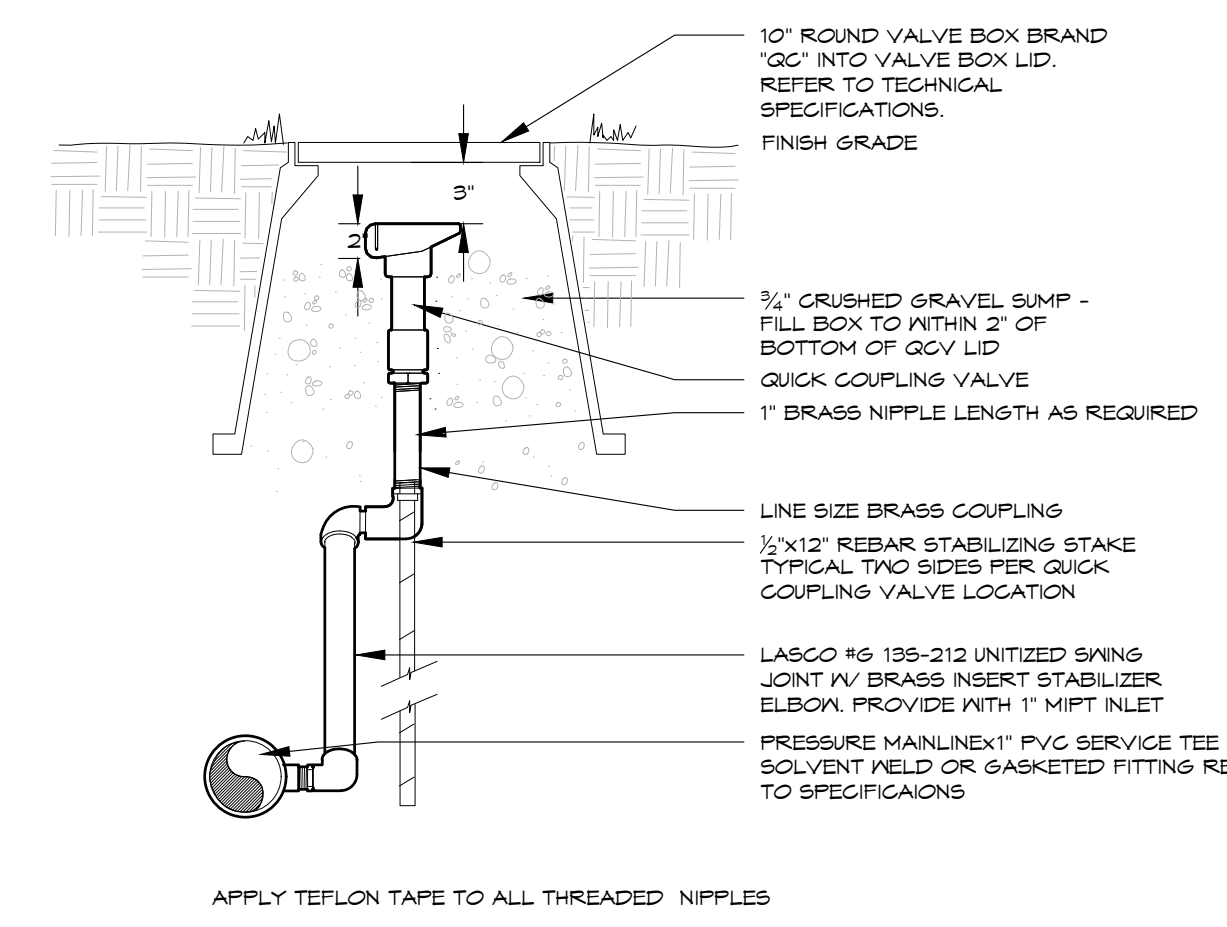
TRENCH
24" TYPICAL

2



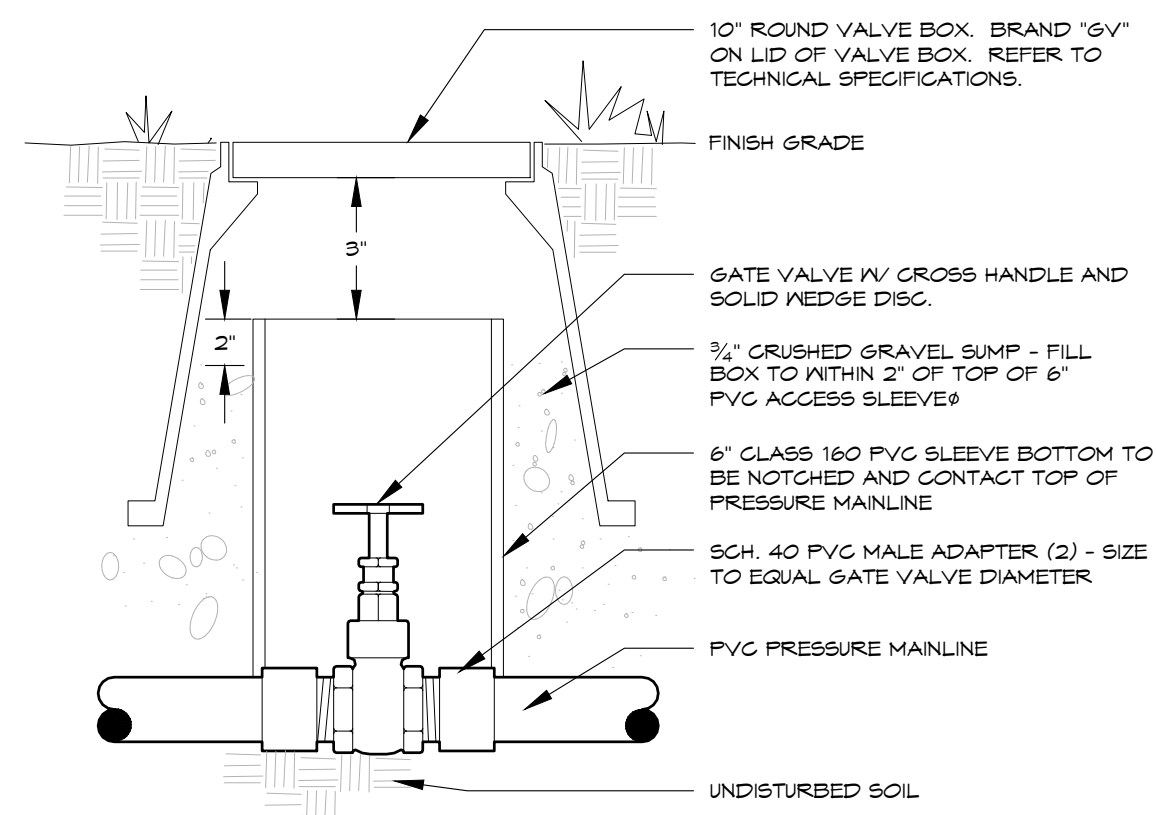
MANUAL DRAIN VALVE

3



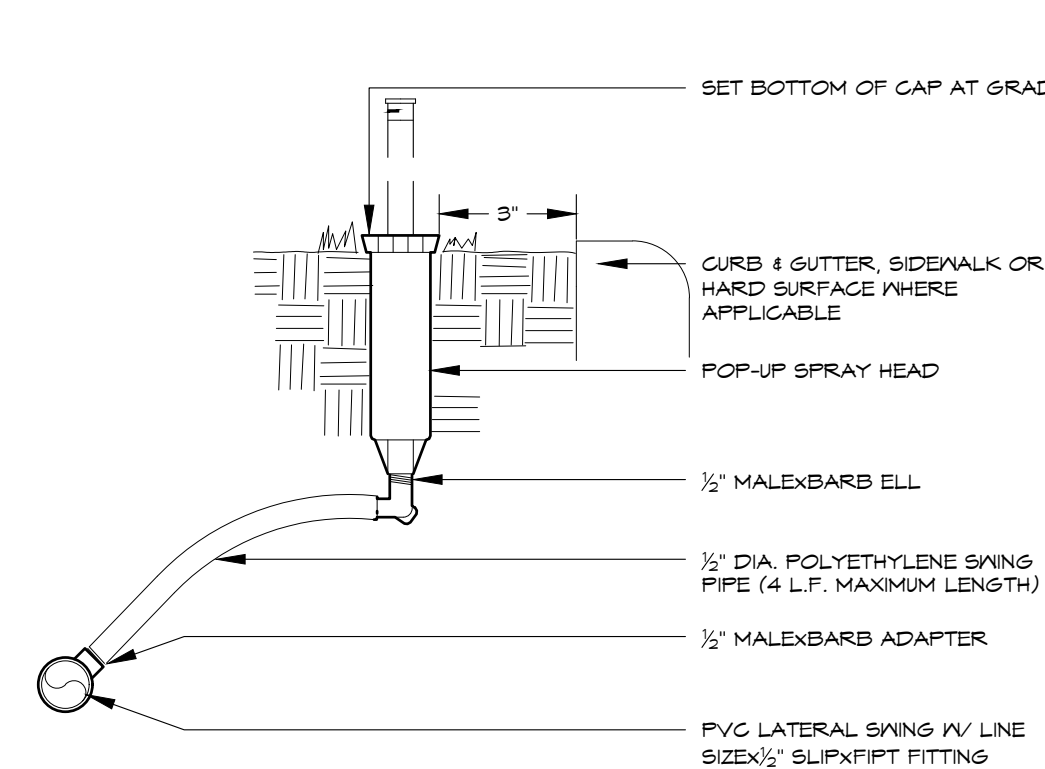
QUICK COUPLING VALVE

4



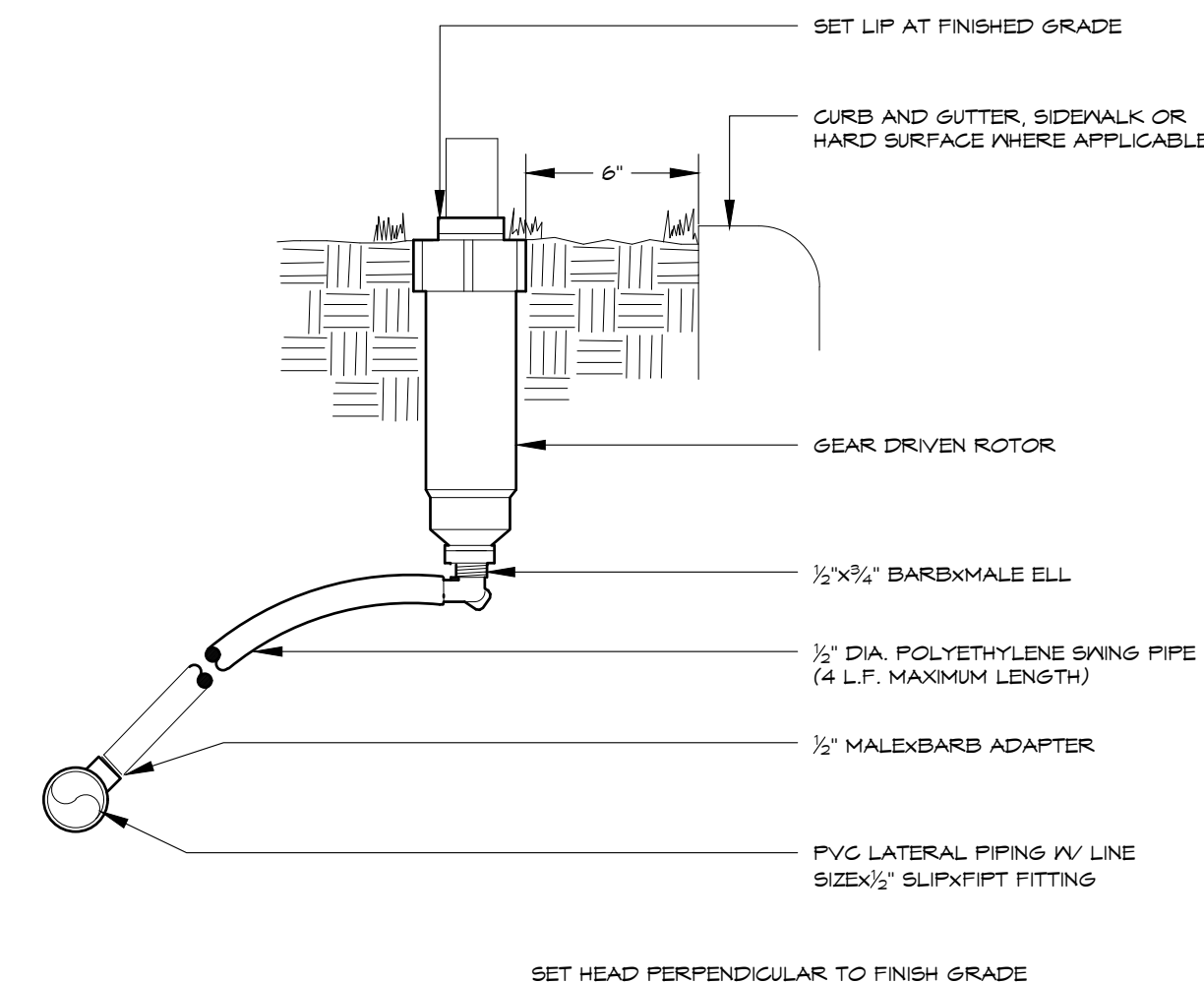
GATE VALVE

5



POP-UP SPRAY HEAD

6



GEAR DRIVEN ROTOR

7

REFER TO SHEET

- 0 OVERALL IRRIGATION AREA
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- 1 IRRIGATION SCHEDULE
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- 16 IRRIGATION CHARTS



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860 Tabor Street, Suite 200
Lakewood, Colorado 80401
303-980-5327
303-980-5394 (fax)

TOWN OF PARKER APPROVALS

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| | |
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| TOWN OF PARKER, PUBLIC WORKS DIRECTOR | DATE |
| TOWN OF PARKER, PUBLIC WORKS MANAGER—STORMWATER | DATE |
| TOWN OF PARKER, PUBLIC WORKS MANAGER—TRANSPORTATION | DATE |

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COMPARK VILLAGE SOUTH FILING NO. 2
FINAL IRRIGATION PLAN - SECTIONS

OWNER
470 Compark, LLC
290 Fillmore St., Suite 2
Denver, CO 80206

LANDSCAPE ARCHITECT
Plan West, Inc.
767 Santa Fe Drive
Denver, CO 80204
(303) 741-1411

Town of Parker
Colorado

job no. 2015/20
date 12-27-2016
revisions

ENGINEER
Manhard Consulting
8008 E. Arapahoe Ct. Suite 110
Centennial 80112
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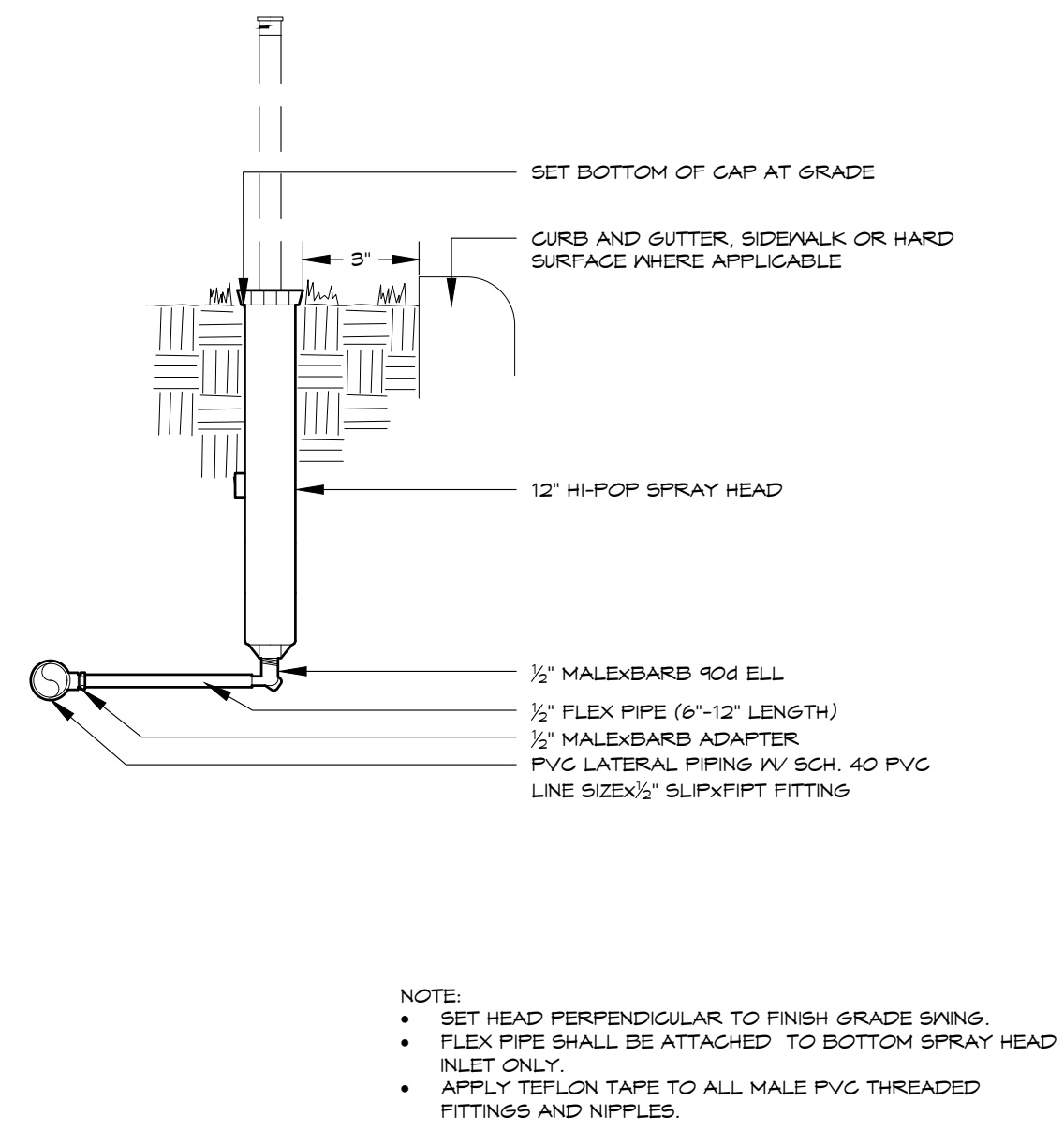
Sheet 12 of 16



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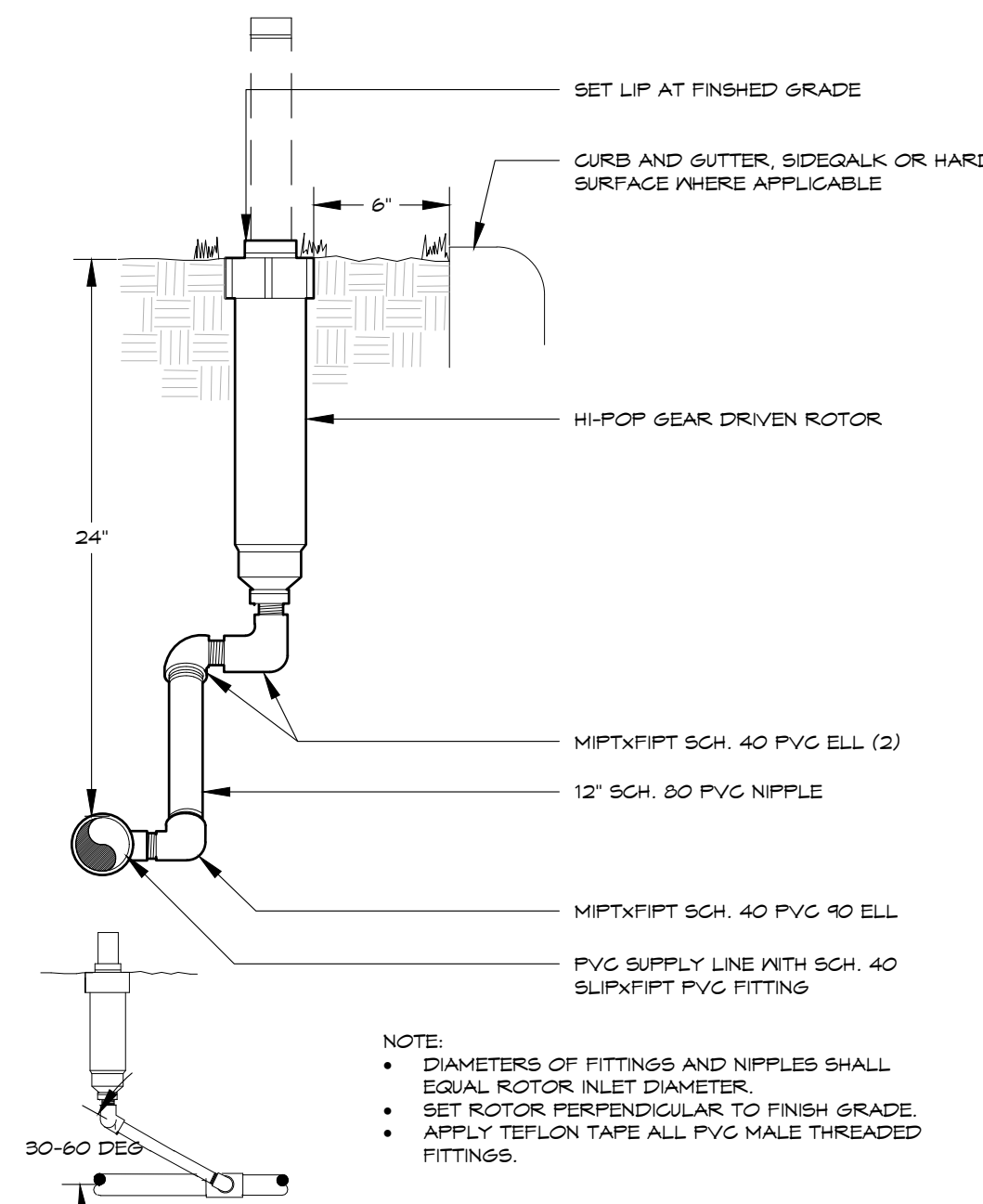
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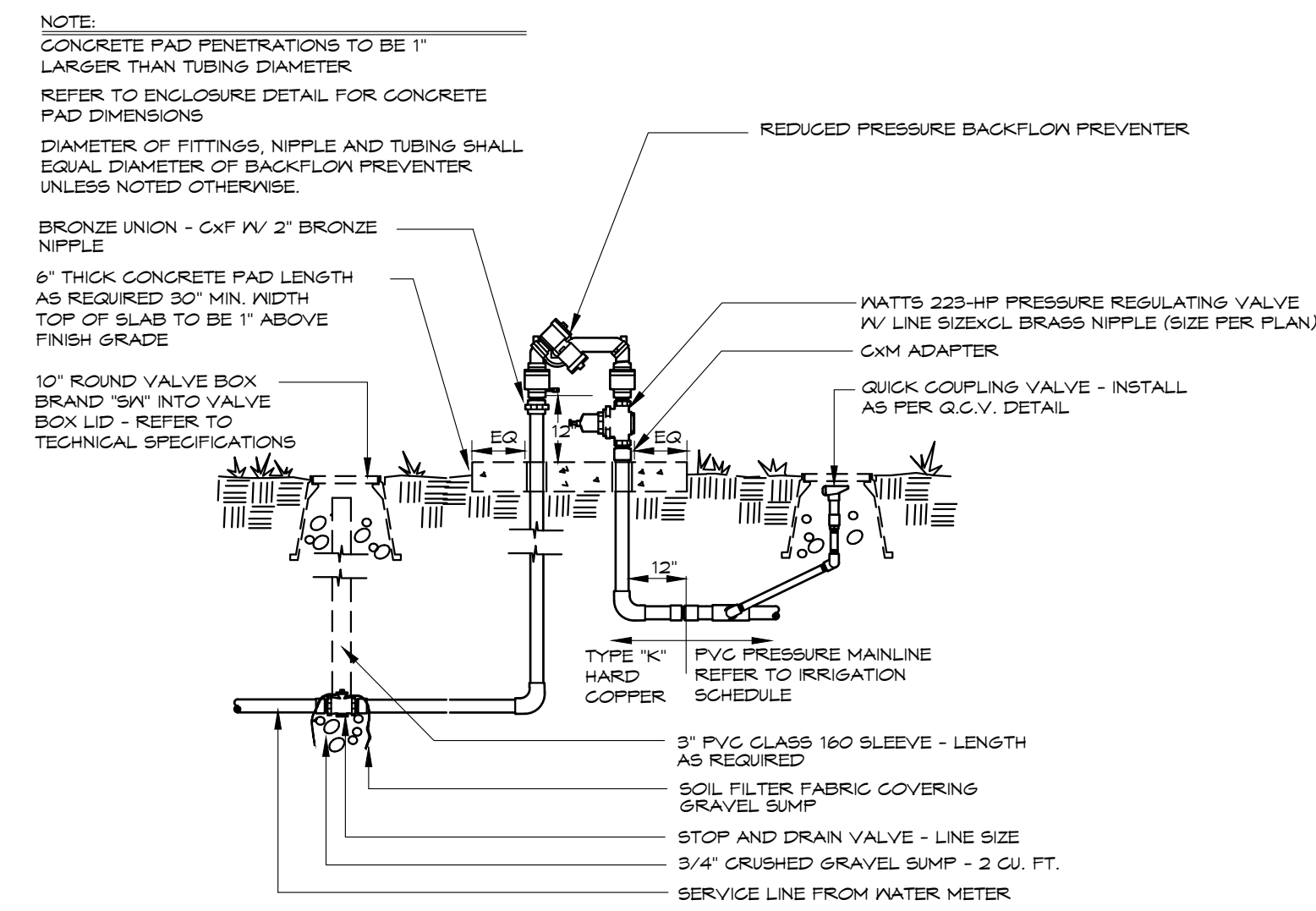
HI-POP SPRAY HEAD

8



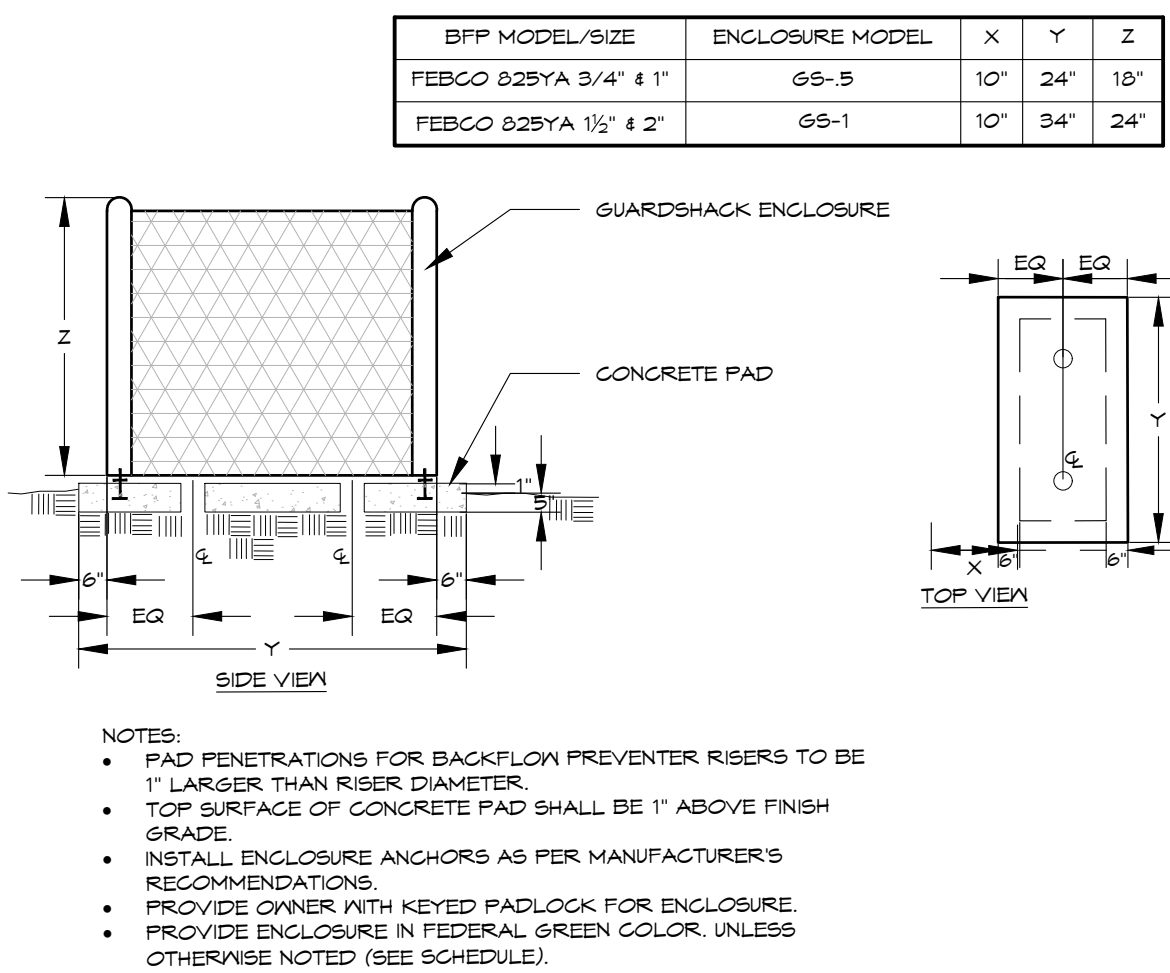
HI-POP GEAR DRIVEN ROTOR

9



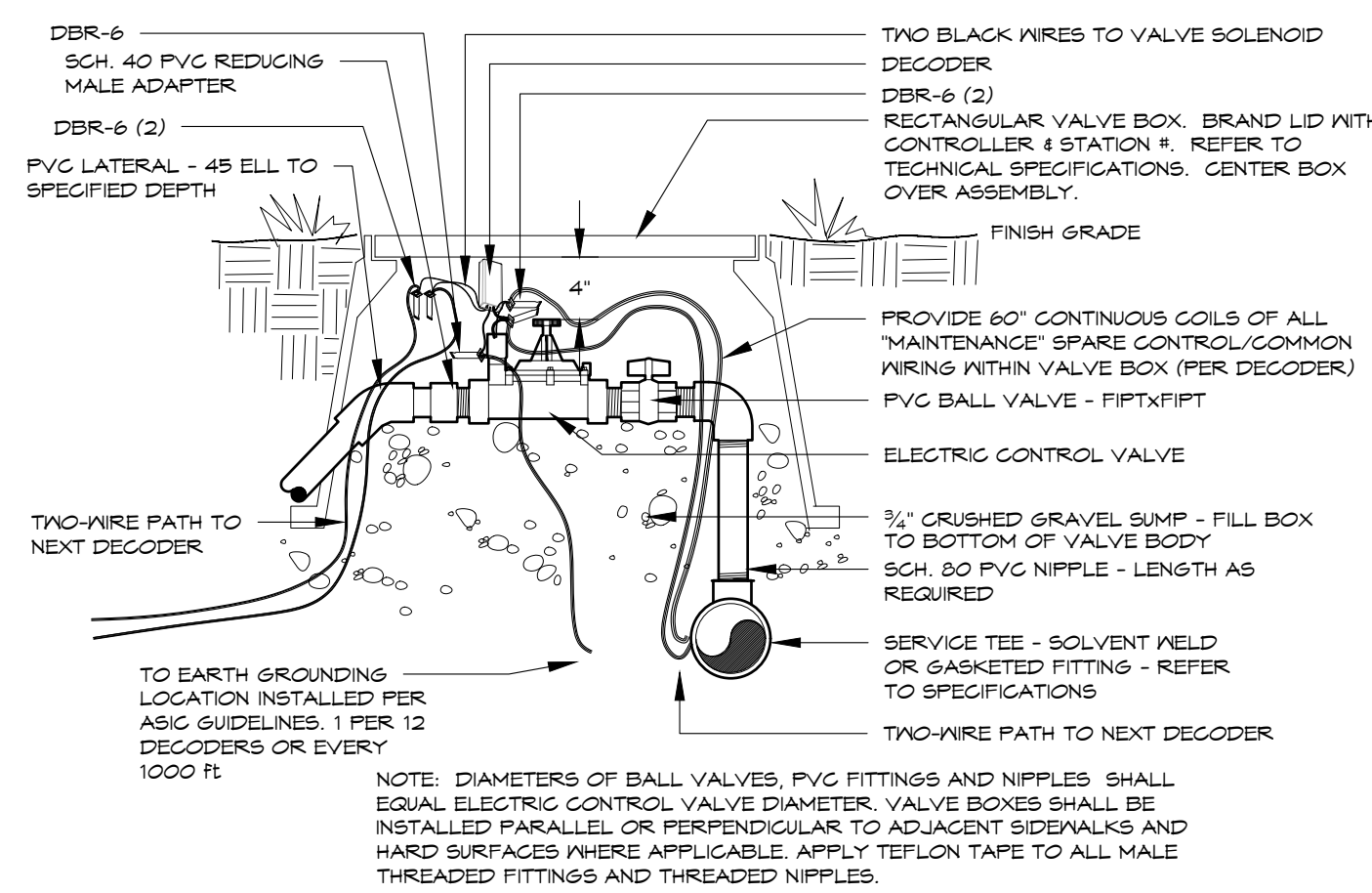
BACKFLOW PREVENTER
W/Pressure Regulating Valve

10



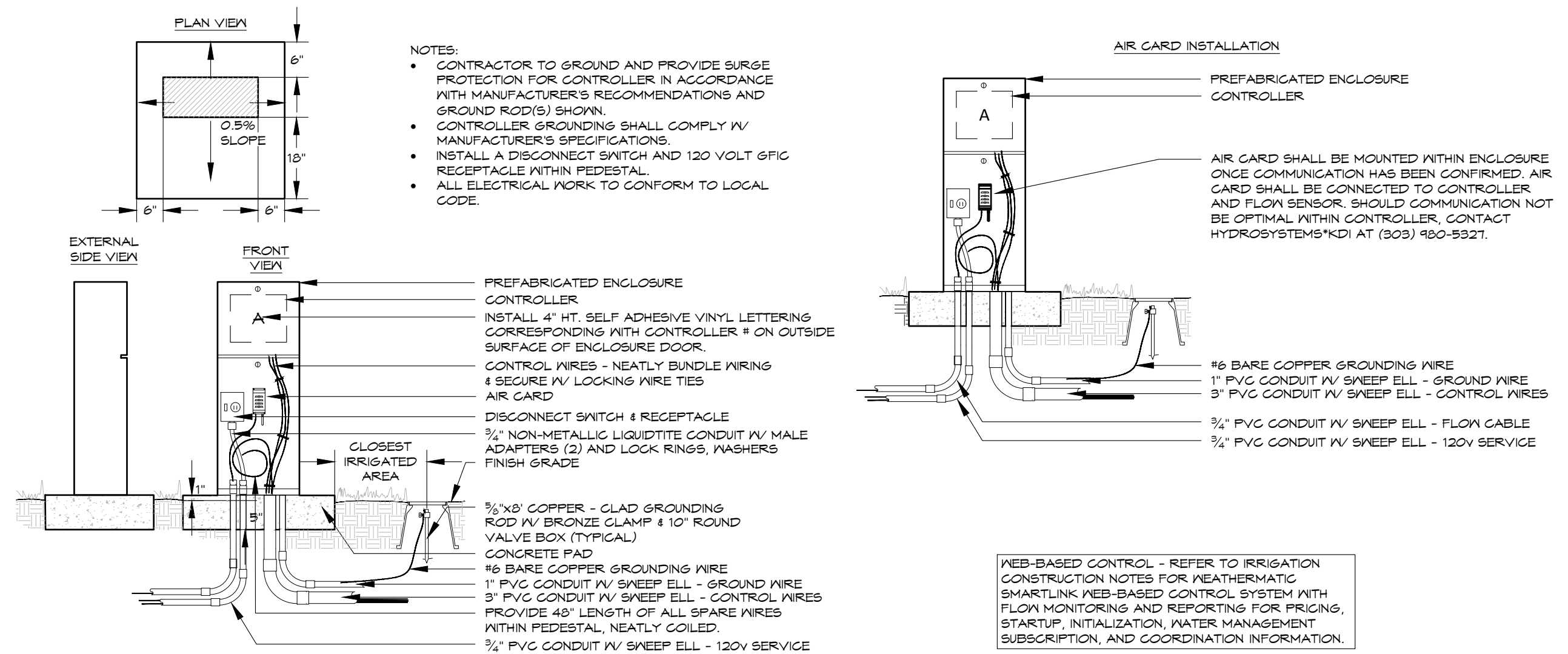
BACKFLOW ENCLOSURE
GUARDSHACK - 3/4" - 2" SYSTEMS

11



ELECTRIC CONTROL VALVE
TWO WIRE SYSTEM

12



ELECTRIC CONTROLLER
PEDESTAL

13

REFER TO SHEET

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Sheet 13 of 16

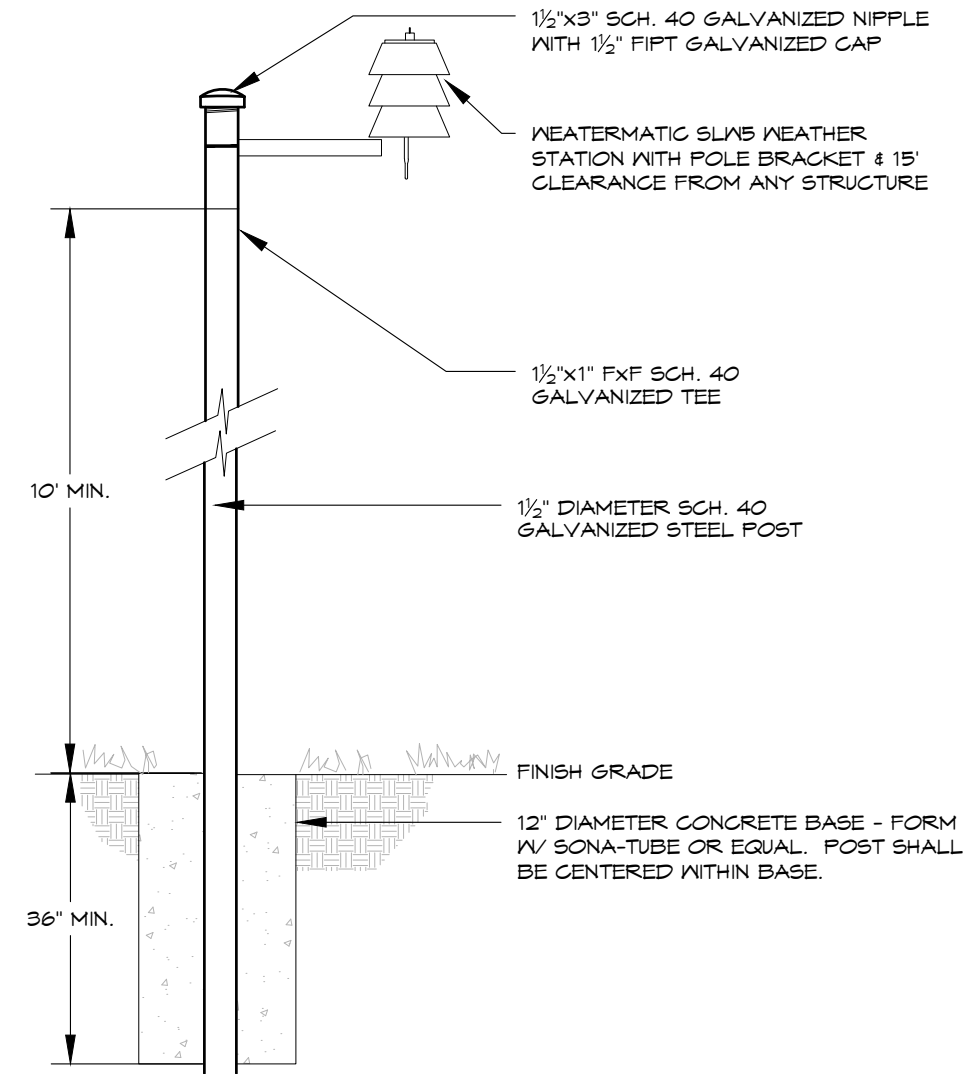


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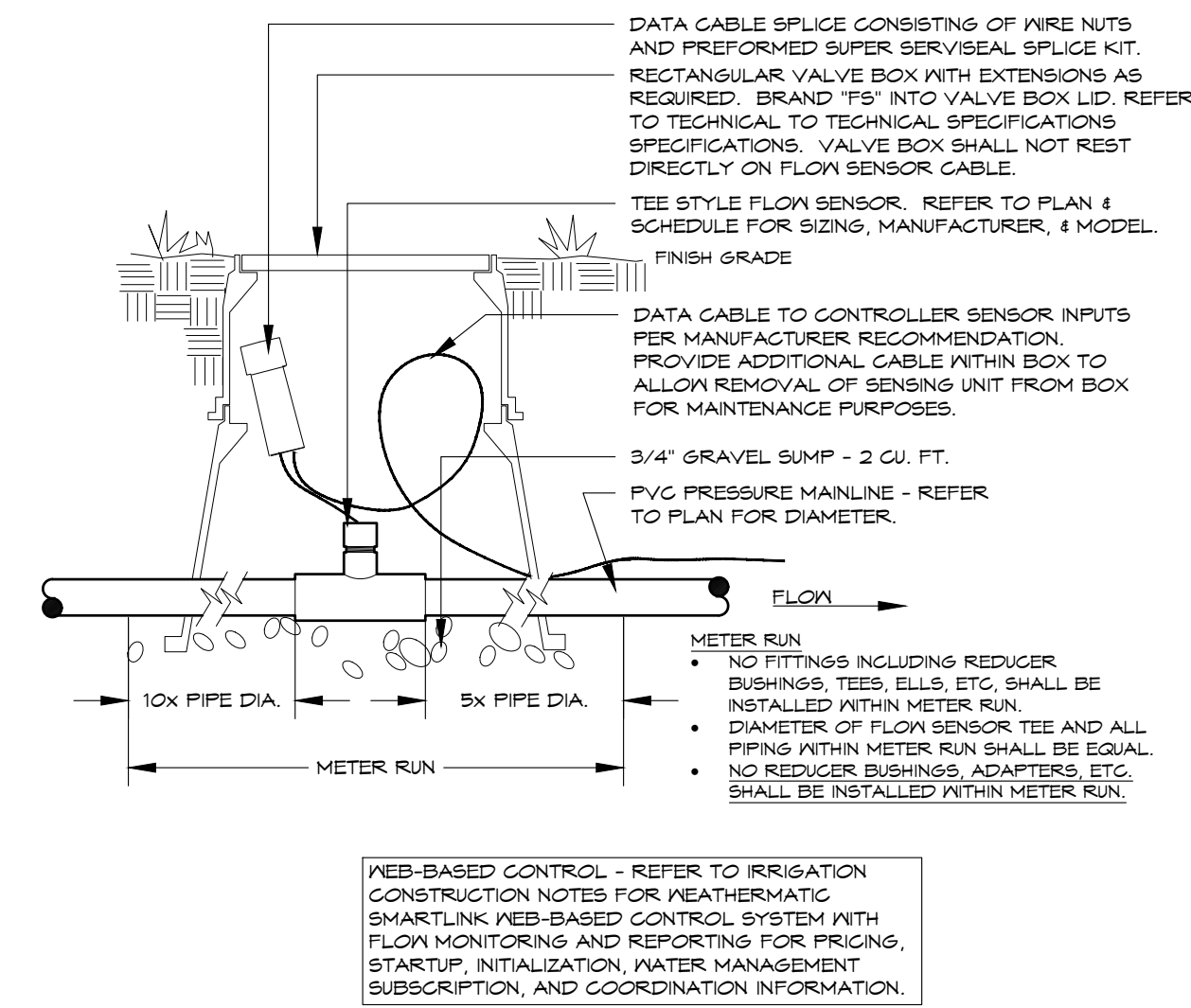
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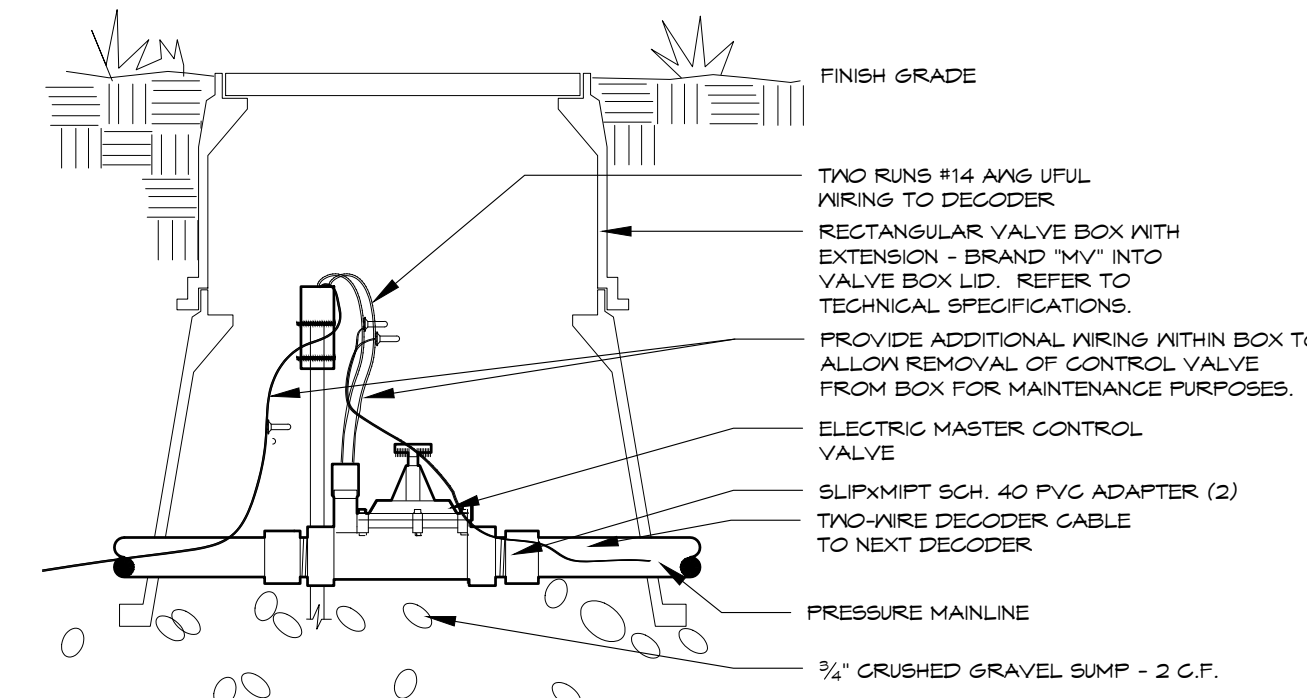
WEATHER SENSOR
Pole Mounted - Wireless

14



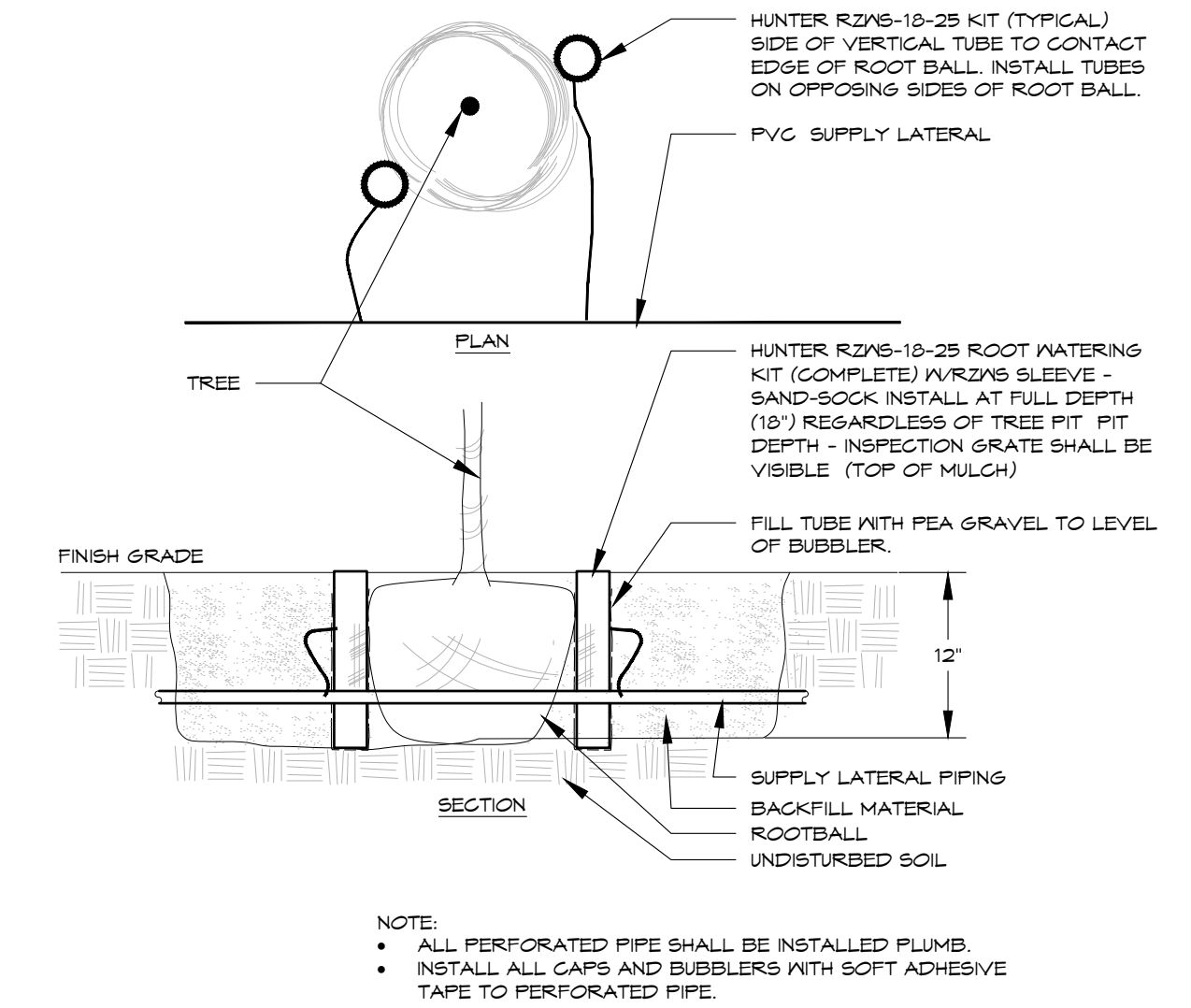
FLOW SENSOR
TEE STYLE

15



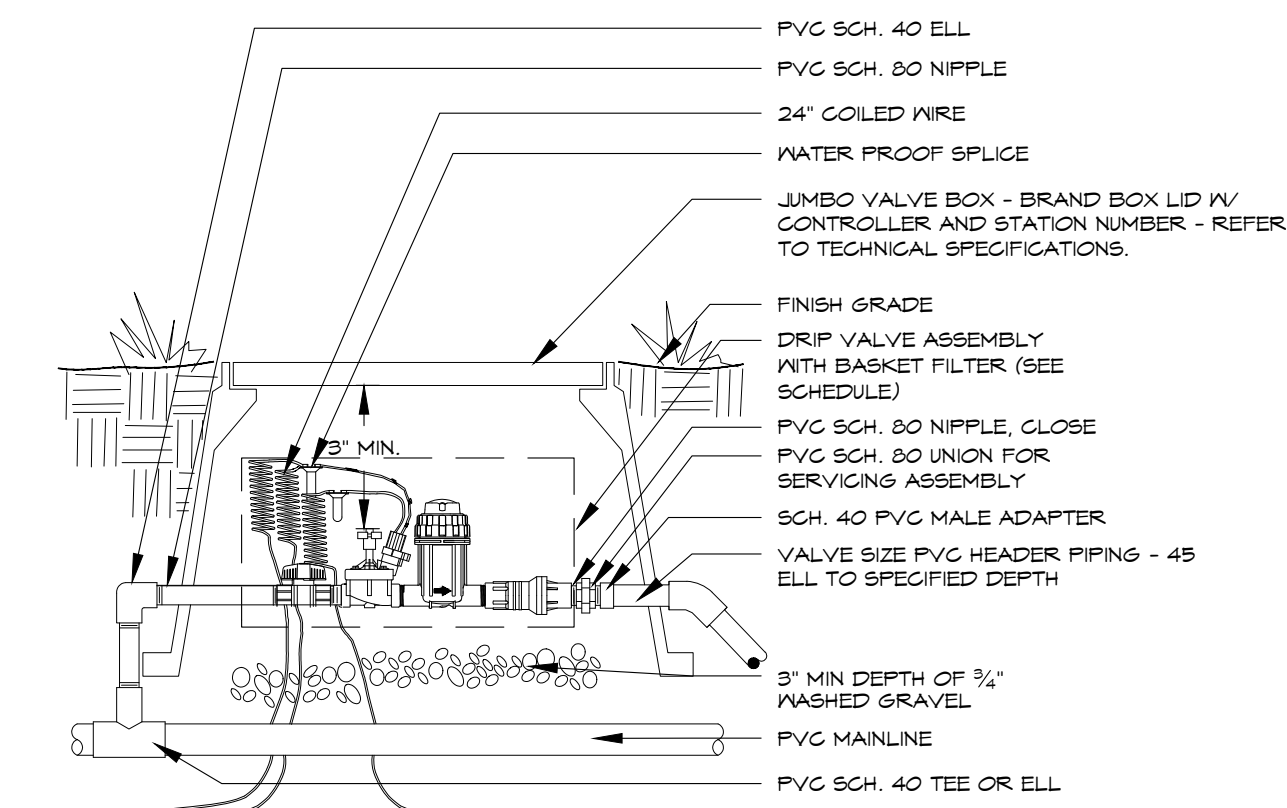
MASTER VALVE
TWO WIRE SYSTEM - TAPS 2" & SMALLER

16



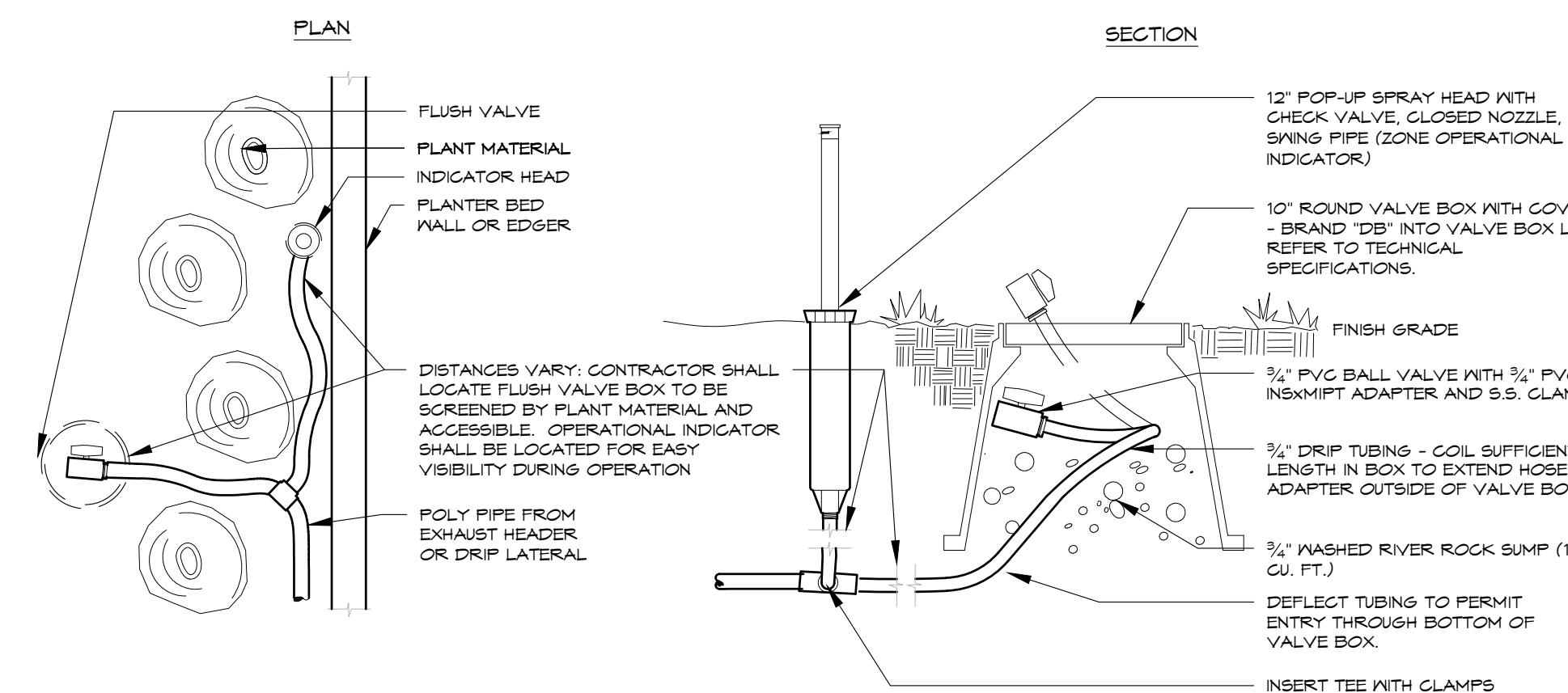
BUBBLER

17



DRIP VALVE
TWO-WIRE SYSTEM

18



DRIP FLUSH VALVE

19

REFER TO SHEET

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| TOWN OF PARKER, PUBLIC WORKS MANAGER-TRANSPORTATION | DATE |

**COMPARK VILLAGE SOUTH FILING NO. 2
FINAL IRRIGATION PLAN - SECTIONS**

| | | |
|---|---|---|
| OWNER 470 Compark, LLC 290 Fillmore St., Suite 2 Denver, CO 80206 | LANDSCAPE ARCHITECT Plan West, Inc. 767 Santa Fe Drive Denver, CO 80204 (303) 741-1411 | Town of Parker Colorado job no. 2015/20 date 12-27-2016 revisions |
| ENGINEER Manhard Consulting 8008 E. Arapahoe Ct. Suite 110 Centennial 80112 (303) 531-3213 | Sheet 14 of 16 | |

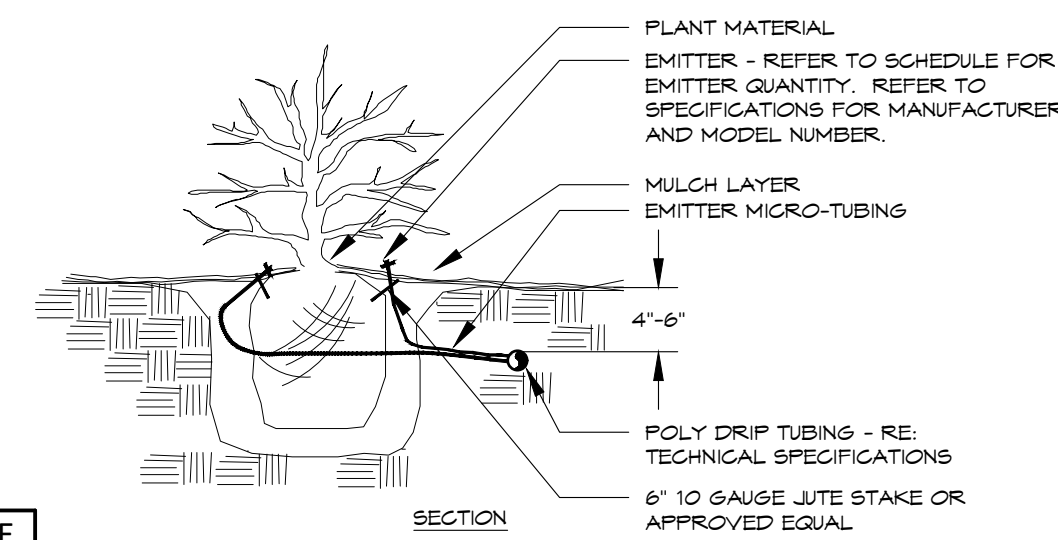
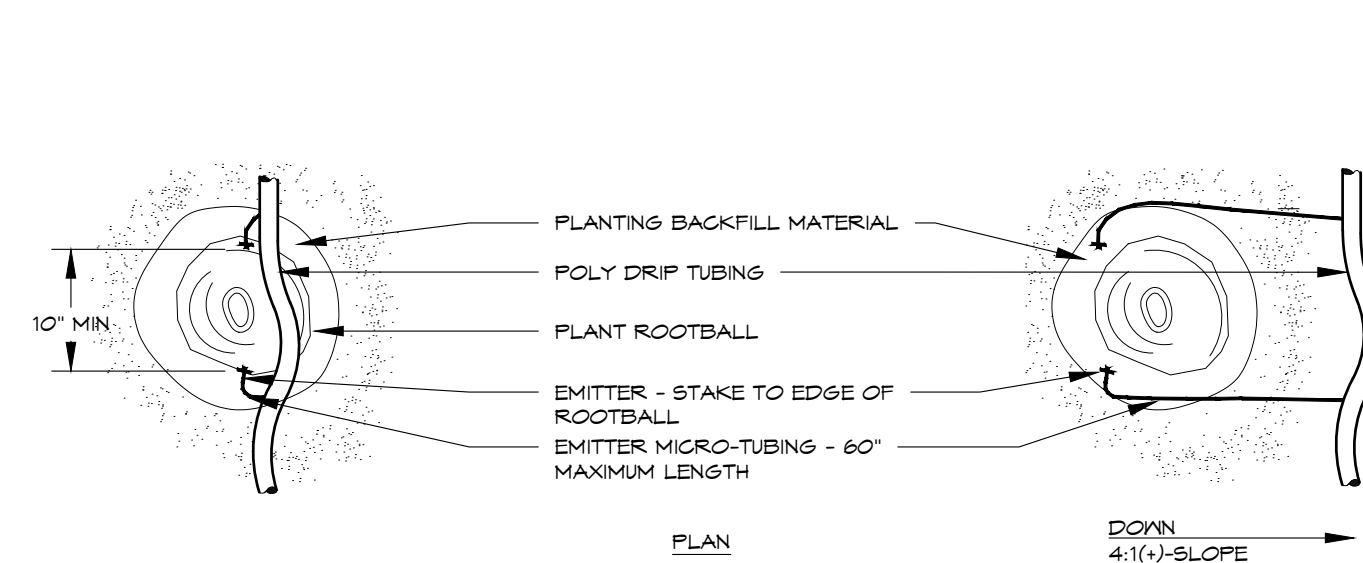


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planwest.com 303-741-1411

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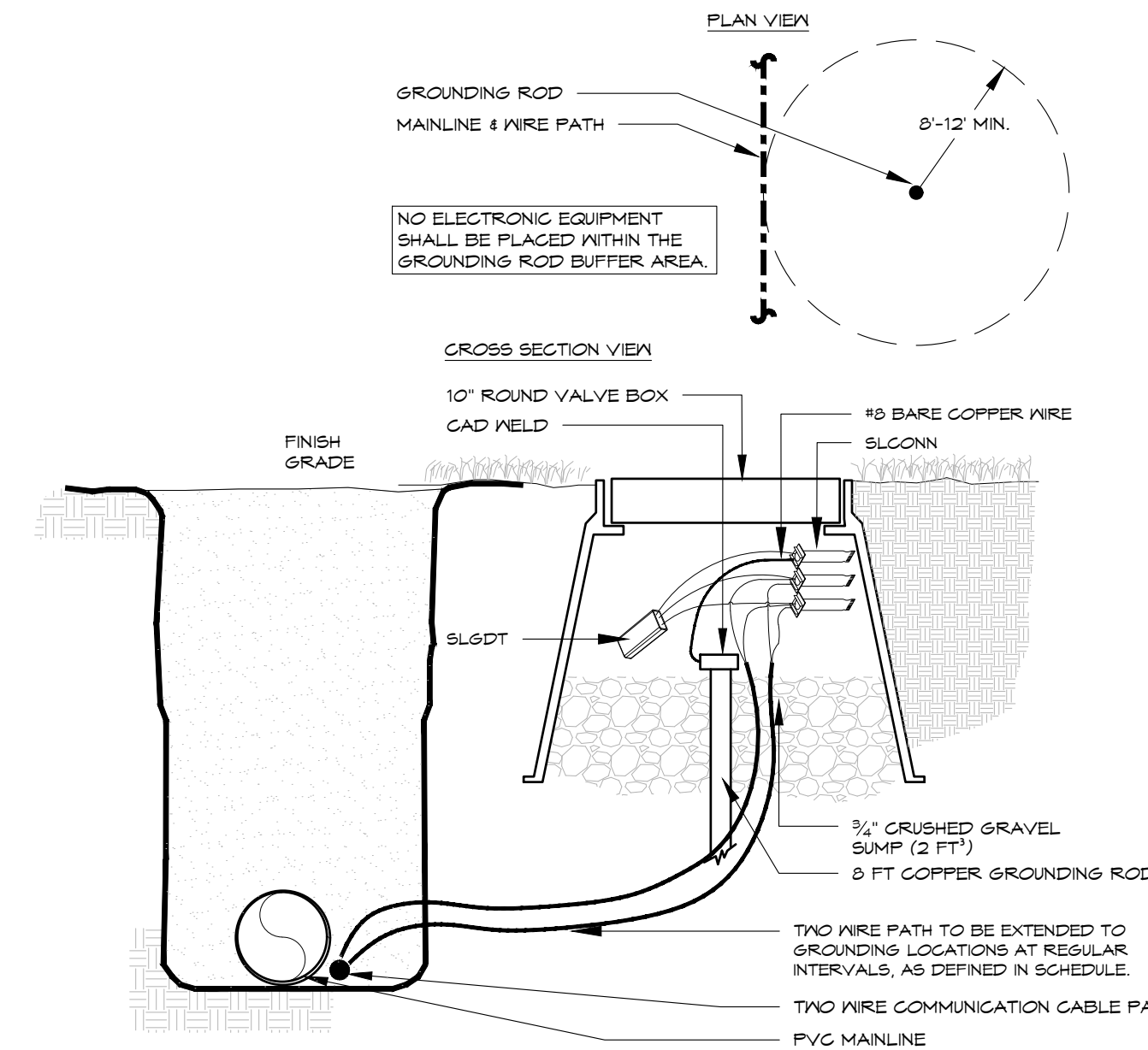


| PLANT SIZE | EMITTER FLOW RATE | EMITTER QTY. AT MULCHED BED LOCATIONS | EMITTER QTY. AT NATIVE SEED LOCATIONS |
|------------------------|-------------------|---------------------------------------|---------------------------------------|
| 1 - 2 GALLON MATERIAL | 0.5 GPH | ONE EACH | ONE EACH |
| 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 VALVE ZONES ARE DESIGNED TO ACCOUNT FOR DIFFERENCES IN PLANT REQUIREMENTS (HYDROZONES) AND SUN EXPOSURE.
 - CONTRACTOR SHALL ENSURE HYDROZONES ARE VALVED SEPARATELY AS SHOWN ON PLAN.
 - SITE CONDITIONS MAY DICTATE THAT MULTIPLE SUN EXPOSURES ARE VALVED TOGETHER DURING THE DESIGN PROCESS. CONTRACTOR SHALL ADJUST EMITTER SCHEDULE AS FOLLOWS:
 - EMITTER QUANTITIES SHALL REMAIN THE SAME BUT EMITTER GALLONAGES SHALL BE DOUBLED FOR PLANTS WITH SOUTH AND WEST EXPOSURES.
 - EMITTER QUANTITIES AND GALLONAGE SHALL BE AS SHOWN IN SCHEDULE FOR PLANTS WITH NORTH AND EAST EXPOSURES.
 - PLANTINGS WITH NORTH AND EAST EXPOSURE SHALL DICTATE VALVE RUN-TIMES AND CONTRACTOR SHALL ADJUST SCHEDULING ACCORDINGLY.

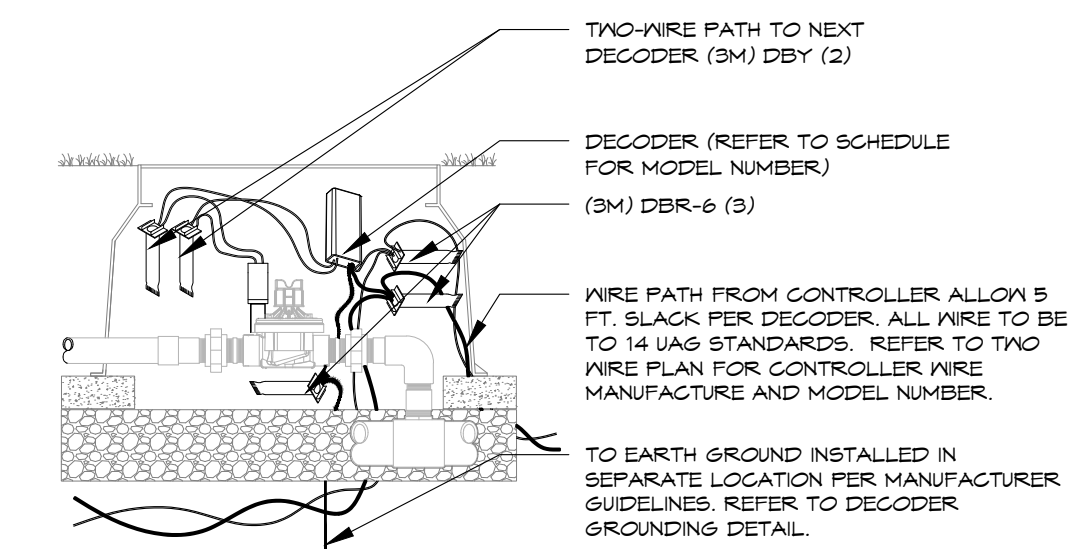
DRIP EMITTER
BELOW GRADE

20



DECODER GROUNDING
VIA GROUNDING ROD

21



TWO-WIRE DECODER
WIRING DIAGRAM

22

REFER TO SHEET

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470 Compark, LLC
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Denver, CO 80206

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Sheet 15 of 16



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Denver, Colorado, 80204
planwest.com 303-741-1411

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PLANNING AREA 17 & 18
32.86 ACRES, 192 RESIDENTIAL UNITS, 20 TRACTS

| Project Name: Compark Village So. Filing 2 | | | | | | |
|---|-----------------|-----------------------------|------------------------------|---------------------------------|-----------------------------|------|
| Project Location: Parker | | | | | | |
| Date: 27-Dec-16 | | | | | | |
| Seasonal Water Use and Peak Flow Projections Prepared By HydroSystems-KDI, Inc. | | | | | | |
| Description | Irrigated Acres | Month | Application Rate (in./month) | Monthly water use (gallons) | Maximum Required Flow (GPM) | |
| Spray Irrigated Bluegrass Sod | 2.07 | April | 6.26 | 351,933 | | |
| | | May | 7.85 | 440,997 | | |
| | | June | 10.00 | 562,055 | | |
| | | July | 10.89 | 612,207 | | 40.1 |
| | | August | 9.71 | 545,625 | | |
| annual sub-total | | Sept. | 7.43 | 417,650 | | |
| | | October | 5.22 | 293,133 | | |
| | | | 57.55 /yr | 3,223,600 /yr | | |
| | | | | 9.89 acrefeet | | |
| | | | | 1.04 acrefeet | | |
| Spray Irrigated Native Seed | 0.78 | April | 1.74 | 36,942 | | |
| | | May | 2.19 | 46,291 | | |
| | | June | 2.79 | 58,998 | | |
| | | July | 3.03 | 64,263 | | 5.8 |
| | | August | 2.70 | 57,274 | | |
| annual sub-total | | Sept. | 2.07 | 43,840 | | |
| | | October | 1.45 | 30,770 | | |
| | | | 15.98 /yr | 338,378 /yr | | |
| | | | | 0.00 acrefeet | | |
| | | | | 0.00 acrefeet | | |
| Drip Irrigated Shrubs & Perennials | 0.00 | April | 2.26 | 0 | | |
| | | May | 2.83 | 0 | | |
| | | June | 3.61 | 0 | | |
| | | July | 3.93 | 0 | | 0.0 |
| | | August | 3.51 | 0 | | |
| annual sub-total | | Sept. | 2.68 | 0 | | |
| | | October | 1.88 | 0 | | |
| | | | 20.71 /yr | 0 /yr | | |
| | | | | 0.00 acrefeet | | |
| | | | | 0.00 acrefeet | | |
| Site Totals | | 2.85 irrigated acres | | 3,561,978 gals/yr | | |
| | | | | 10.93 acrefeet/yr | | |
| | | | | Peak Season Average Flow | | |
| | | | | 46 (GPM) | | |
| | | | | 1 1/2" Tap | | |

WATER USAGE

C1

| Irrigation System Hydraulic Worksheet | | | | | | | |
|---------------------------------------|---------------------------------|--------------|--|--|---------------------------------|-----------------|-----------------|
| Prepared by HydroSystems-KDI, Inc. | | | | | | | |
| Date: 27-Dec-16 | | | | | | | |
| Static Water Pressure: 103.00 | | | | | | | |
| Hydraulic Grade: At Zone | | | | | | | |
| Equipment or Material | Quantity (one if not specified) | Nominal Size | Equipment or Pipe Material | Friction Loss Through Pipe per Chart (psi) | Velocity through pipes (ft/sec) | Flow Rate (gpm) | Loss/Gain (psi) |
| Corp Stop: | 1 | 1 1/2" | Typical Corp. Stop | | | | 40 0.60 |
| Svc Line (tap to meter): | 20 LF | 1 1/2" | K Copper | 6.63 /100 FT | 7.44 | | 40 1.33 |
| Curb Stop: | 1 | 1 1/2" | Typical Curb Stop | | | | 40 0.30 |
| Water Meter: | 1.00 | 1 1/2" | Typical Meter | | | | 40 3.30 |
| Svc Line (meter to backflow): | 20 LF | 1 1/2" | K Copper | 6.63 /100 FT | 7.44 | | 40 1.33 |
| Backflow: | 1 | 1 1/2" | Febco 825YA | | | | 40 12.50 |
| Stop & Waste: | 1 | 1 1/2" | Typical Stop & Waste Valve | | | | 40 0.40 |
| Master Valve: | 1 | 1 1/2" | Rainbird EFB | | | | 40 2.00 |
| Flow Sensor: | 1 | 1 1/2" | -FS Description- | | | | 40 0.00 |
| PRV: | 1 | 1 1/2" | Watts 223HP | | | | 45 12.00 |
| Gate Valve: | 4 | 2 1/2" | Typical Bronze Gate Valve | | | | 40 0.00 |
| Pressure Required at Head: | | | Pop-Up | | | | 30.00 |
| Lateral Allowance: | | | | | | | 3.00 |
| Control Valve allowance: | | | 2" Rainbird PEB | | | | 40 0.00 |
| Mainline allowances: | | | | | | | |
| | 1684 LF | 2 1/2" | CL 200 PVC | 0.38 /100 FT | 2.41 | | 40 6.40 |
| | 0 LF Looped | 2" | CL 200 PVC | 0.26 /100 FT | 1.77 | | 40 0.00 |
| | 1056 LF | 2" | CL 200 PVC | 0.95 /100 FT | 3.53 | | 40 10.03 |
| Mainline Fitting allowance: | | | 5% of Mainline allowances | | | | 0.82 |
| Elevation: | | | | | | | |
| | Tap Elev. | 5840 | Control Valve Elev. | 5825 | | | -6.50 |
| Factor of Safety: | | | 5% System Losses | | | | 3.88 |
| | | | Total System requirements (PSI) | | | | 81.39 |
| | | | Available pressure (PSI) | | | | 103.00 |
| | | | Difference (PSI) | | | | 21.61 |
| | | | Set PRV at 86.00 | | | | |

HYDRAULICS

C2

| Project Compark Village So. Filing 2 | | | | | | |
|---|-----------------|-----------------------------|------------------------------|---------------------------------|-----------------------------|------|
| Location Parker | | | | | | |
| Controller A - Point of Connection # 1 (1 1/2") | | | | | | |
| 27-Dec-16 | | | | | | |
| Seasonal Water Use and Peak Flow Projections Prepared By HydroSystems-KDI, Inc. | | | | | | |
| Description | Irrigated Acres | Month | Application Rate (in./month) | Monthly water use (gallons) | Maximum Required Flow (GPM) | |
| Spray Irrigated Bluegrass Sod | 2.07 | April | 6.26 | 351,933 | | |
| | | May | 7.85 | 440,997 | | |
| | | June | 10.00 | 562,055 | | |
| | | July | 10.89 | 612,207 | | 40.1 |
| | | August | 9.71 | 545,625 | | |
| annual sub-total | | Sept. | 7.43 | 417,650 | | |
| | | October | 5.22 | 293,133 | | |
| | | | 57.55 /yr | 3,223,600 /yr | | |
| | | | | 9.89 acrefeet | | |
| | | | | 1.04 acrefeet | | |
| Spray Irrigated Native Seed | 0.78 | April | 1.74 | 36,942 | | |
| | | May | 2.19 | 46,291 | | |
| | | June | 2.79 | 58,998 | | |
| | | July | 3.03 | 64,263 | | 5.8 |
| | | August | 2.70 | 57,274 | | |
| annual sub-total | | Sept. | 2.07 | 43,840 | | |
| | | October | 1.45 | 30,770 | | |
| | | | 15.98 /yr | 338,378 /yr | | |
| | | | | 0.00 acrefeet | | |
| | | | | 0.00 acrefeet | | |
| Drip Irrigated Shrubs & Perennials | 0.00 | April | 2.26 | 0 | | |
| | | May | 2.83 | 0 | | |
| | | June | 3.61 | 0 | | |
| | | July | 3.93 | 0 | | 0.0 |
| | | August | 3.51 | 0 | | |
| annual sub-total | | Sept. | 2.68 | 0 | | |
| | | October | 1.88 | 0 | | |
| | | | 20.71 /yr | 0 /yr | | |
| | | | | 0.00 acrefeet | | |
| | | | | 0.00 acrefeet | | |
| Site Totals | | 2.85 irrigated acres | | 3,561,978 gals/yr | | |
| | | | | 10.93 acrefeet/yr | | |
| | | | | Peak Season Average Flow | | |
| | | | | 46 (GPM) | | |
| | | | | 1 1/2" Tap | | |

CONTROLE "A" CHART

C3

TOWN OF PARKER APPROVALS

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWNS STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATION. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

THIS REVIEW DOES NOT CONSTITUTE APPROVAL OF ANY PRIVATE ON-SITE IMPROVEMENTS WHICH MAY BE SHOWN. CONSTRUCTION CANNOT COMMENCE UNTIL ALL REQUIRED DRAINAGE/TRAFFIC REPORT(S), FINAL DEVELOPMENT PLAN(S), SPECIAL REVIEW(S), GRADING PERMIT, AND/OR OTHER PERMITS ARE COMPLETE, APPROVED AND ON FILE WITH THE TOWN OF PARKER.

| | |
|--|------|
| TOWN OF PARKER, PUBLIC WORKS DIRECTOR | DATE |
| TOWN OF PARKER, PUBLIC WORKS MANAGER--STORMWATER | DATE |
| TOWN OF PARKER, PUBLIC WORKS MANAGER--TRANSPORTATION | DATE |

| Project Name: Compark Village So. Filing 2 | | | | | | |
|---|-----------------|-----------------------------|------------------------------|---------------------------------|-----------------------------|------|
| Project Location: Parker | | | | | | |
| Date: 03-Oct-16 | | | | | | |
| Seasonal Water Use and Peak Flow Projections Prepared By HydroSystems-KDI, Inc. | | | | | | |
| Description | Irrigated Acres | Month | Application Rate (in./month) | Monthly water use (gallons) | Maximum Required Flow (GPM) | |
| Spray Irrigated Bluegrass Sod | 0.69 | April | 6.26 | 117,311 | | |
| | | May | 7.85 | 146,999 | | |
| | | June | 10.00 | 187,352 | | |
| | | July | 10.89 | 204,069 | | 15.6 |
| | | August | 9.71 | 181,875 | | |
| annual sub-total | | Sept. | 7.43 | 139,217 | | |
| | | October | 5.22 | 97,711 | | |
| | | | 57.35 /yr | 1,074,533 /yr | | |
| | | | | 3.30 acrefeet | | |
| | | | | 0.26 acrefeet | | |
| Spray Irrigated Native Seed | 1.92 | April | 1.74 | 90,934 | | |
| | | May | 2.19 | 113,947 | | |
| | | June | 2.79 | 145,227 | | |
| | | July | 3.03 | 158,185 | | 16.5 |
| | | August | 2.70 | 140,981 | | |
| annual sub-total | | Sept. | 2.07 | 107,914 | | |
| | | October | 1.45 | 75,741 | | |
| | | | 15.98 /yr | 832,930 /yr | | |
| | | | | 2.56 acrefeet | | |
| | | | | 0.26 acrefeet | | |
| Drip Irrigated Shrubs & Perennials | 0.01 | April | 2.26 | 614 | | |
| | | May | 2.83 | 769 | | |
| | | June | 3.61 | 981 | | |
| | | July | 3.93 | 1,068 | | 0.1 |
| | | August | 3.51 | 952 | | |
| annual sub-total | | Sept. | 2.68 | 729 | | |
| | | October | 1.88 | 511 | | |
| | | | 20.71 /yr | 5,624 /yr | | |
| | | | | 0.02 acrefeet | | |
| | | | | 0.02 acrefeet | | |
| Site Totals | | 2.62 irrigated acres | | 1,913,087 gals/yr | | |
| | | | | 5.87 acrefeet/yr | | |
| | | | | Peak Season Average Flow | | |
| | | | | 32 (GPM) | | |
| | | | | 1.5" Tap | | |

WATER USAGE

C4

| Irrigation System Hydraulic Worksheet | | | | | | | |
|---------------------------------------|---------------------------------|--------------|--|--|---------------------------------|-----------------|-----------------|
| Prepared by HydroSystems-KDI, Inc. | | | | | | | |
| Date: 27-Dec-16 | | | | | | | |
| Static Water Pressure: 107.00 | | | | | | | |
| Hydraulic Grade: At Zone | | | | | | | |
| Equipment or Material | Quantity (one if not specified) | Nominal Size | Equipment or Pipe Material | Friction Loss Through Pipe per Chart (psi) | Velocity through pipes (ft/sec) | Flow Rate (gpm) | Loss/Gain (psi) |
| Corp Stop: | 1 | 1 1/2" | Typical Corp. Stop | | | | 40 0.60 |
| Svc Line (tap to meter): | 20 LF | 1 1/2" | K Copper | 6.63 /100 FT | 7.44 | | 40 1.33 |
| Curb Stop: | 1 | 1 1/2" | Typical Curb Stop | | | | 40 0.30 |
| Water Meter: | 1.00 | 1 1/2" | Typical Meter | | | | 40 3.30 |
| Svc Line (meter to backflow): | 20 LF | 1 1/2" | K Copper | 6.63 /100 FT | 7.44 | | 40 1.33 |
| Backflow: | 1 | 1 1/2" | Febco 825YA | | | | 40 12.50 |
| Stop & Waste: | 1 | 1 1/2" | Typical Stop & Waste Valve | | | | 40 0.40 |
| Master Valve: | 1 | 1 1/2" | Rainbird EFB | | | | 40 2.00 |
| Flow Sensor: | 1 | 1 1/2" | -FS Description- | | | | 40 0.00 |
| PRV: | 1 | 1 1/2" | Watts 223HP | | | | 40 12.00 |
| Gate Valve: | 4 | 2" | Typical Bronze Gate Valve | | | | 40 0.08 |
| Pressure Required at Head: | | | Pop-Up | | | | 30.00 |
| Lateral Allowance: | | | | | | | 3.00 |
| Control Valve allowance: | | | 2" Rainbird PEB | | | | 40 0.00 |
| Mainline allowances: | | | | | | | |
| | 1480 LF | 2" | CL 200 PVC | 0.95 /100 FT | 3.53 | | 40 14.06 |
| | 0 LF Looped | 2" | CL 200 PVC | 0.26 /100 FT | 1.77 | | 40 0.00 |
| | 0 LF | 2" | CL 200 PVC | 0.95 /100 FT | 3.53 | | 40 0.00 |
| Mainline Fitting allowance: | | | 5% of Mainline allowances | | | | 0.70 |
| Elevation: | | | | | | | |
| | Tap Elev. | 5831 | Control Valve Elev. | 5847 | | | 6.93 |
| Factor of Safety: | | | 5% System Losses | | | | 4.43 |
| | | | Total System requirements (PSI) | | | | 92.95 |
| | | | Available pressure (PSI) | | | | 107.00 |
| | | | Difference (PSI) | | | | 14.05 |

HYDRAULICS

C5

| Project Compark Village So. Filing 2 | | | | | | |
|---|-----------------|---------|------------------------------|-----------------------------|-----------------------------|------|
| Location Parker | | | | | | |
| Controller B - Point of Connection # 1 (2") | | | | | | |
| 07-Oct-16 | | | | | | |
| Seasonal Water Use and Peak Flow Projections Prepared By HydroSystems-KDI, Inc. | | | | | | |
| Description | Irrigated Acres | Month | Application Rate (in./month) | Monthly water use (gallons) | Maximum Required Flow (GPM) | |
| Spray Irrigated Bluegrass Sod | 2.07 | April | 6.26 | 351,933 | | |
| | | May | 7.85 | 440,997 | | |
| | | June | 10.00 | 562,055 | | |
| | | July | 10.89 | 612,207 | | 40.1 |
| | | August | 9.71 | 545,625 | | |
| annual sub-total | | Sept. | 7.43 | 417,650 | | |
| | | October | 5.22 | 293,133 | | |
| | | | 57.55 /yr | 3,223,600 /yr | | |
| | | | | 9.89 acrefeet | | |
| | | | | 1.04 acrefeet | | |
| Spray Irrigated Native Seed | 0.78 | April | 1.74 | 36,942 | | |
| | | May | 2.19 | 46,291 | | |
| | | June | 2.79 | 58,998 | | |
| | | July | 3.03 | 64,263 | | 5.8 |
| | | August | 2.70 | 57,274 | | |
| annual sub-total | | Sept. | 2.07 | 43,840 | | |

COMPARK VILLAGE SOUTH FILING NO. 2 FINAL LANDSCAPE PLAN

A PARCEL OF LAND LOCATED IN THE SOUTH HALF OF SECTION 6, TOWNSHIP 6 SOUTH RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO
PLANNING AREA 17 & 18
32.86 ACRES, 192 RESIDENTIAL UNITS, 20 TRACTS

| Project Name: Compark Village So. Filing 2 | | | | | |
|---|-----------------|-----------------|------------------------------|-----------------------------|-----------------------------|
| Project Location: Parker | | | | | |
| Date: 03-Sep-16 | | | | | |
| Seasonal Water Use and Peak Flow Projections Prepared By HydroSystems-KDI, Inc. | | | | | |
| Description | Irrigated Acres | Month | Application Rate (in./month) | Monthly water use (gallons) | Maximum Required Flow (GPM) |
| Spray Irrigated | | | | | |
| Bluegrass Sod | | | | | |
| | 3.08 | April | 6.26 | 523,649 | |
| | | May | 7.85 | 656,169 | |
| | | June | 10.00 | 836,294 | |
| | | July | 10.89 | 910,917 | 69.7 |
| | | August | 9.71 | 811,848 | |
| | | Sept. | 7.43 | 621,431 | |
| | | October | 5.22 | 436,159 | |
| annual sub-total | | | 57.35 /yr | 4,796,467 /yr | |
| | | | | 14.72 /acreft | |
| Spray Irrigated | | | | | |
| Native Seed | | | | | |
| | 0.77 | April | 1.74 | 36,468 | |
| | | May | 2.19 | 45,697 | |
| | | June | 2.79 | 58,242 | |
| | | July | 3.03 | 63,439 | 6.6 |
| | | August | 2.70 | 56,539 | |
| | | Sept. | 2.07 | 43,278 | |
| | | October | 1.45 | 30,375 | |
| annual sub-total | | | 15.98 /yr | 334,040 /yr | |
| | | | | 1.03 /acreft | |
| Drip Irrigated | | | | | |
| Shrubs & Perennials | | | | | |
| | 0.23 | April | 2.26 | 14,121 | |
| | | May | 2.83 | 17,694 | |
| | | June | 3.61 | 22,552 | |
| | | July | 3.93 | 24,564 | 2.6 |
| | | August | 3.51 | 21,892 | |
| | | Sept. | 2.68 | 16,758 | |
| | | October | 1.88 | 11,762 | |
| annual sub-total | | | 20.71 /yr | 129,342 /yr | |
| | | | | 0.40 /acreft | |
| Site Totals | | | | | |
| | 4.08 | Irrigated acres | | 5,259,849 gals/yr | |
| | | | | 16.14 acreft/yr | |
| | | | | Peak Season Average Flow | |
| | | | | 2" Tap | 79 (GPM) |

WATER USAGE

C1

| Irrigation System Hydraulic Worksheet | | | | | | | |
|---------------------------------------|---------------------------------|--------------|--|--|---------------------------------|-----------------|-----------------|
| Prepared by HydroSystems-KDI, Inc. | | | | | | | |
| Date: 06-Oct-16 | | | | | | | |
| Static Water Pressure: 103.00 | | | | | | | |
| Hydraulic Grade: At Zone | | | | | | | |
| Equipment or Material | Quantity (one if not specified) | Nominal Size | Equipment or Pipe Material | Friction Loss Through Pipe per Chart (psi) | Velocity through pipes (ft/sec) | Flow Rate (gpm) | Loss/Gain (psi) |
| Corp Stop: | 1 | 2" | Typical Corp. Stop | | | 70 | 0.40 |
| Svc Line (tap to meter): | 20 LF | 2" | K Copper | 4.79 /100 FT | 7.44 | 70 | 0.96 |
| Curb Stop: | 1 | 2" | Typical Curb Stop | | | 70 | 0.20 |
| Water Meter: | 1.00 | 2" | Typical Meter | | | 70 | 3.70 |
| Svc Line (meter to backflow): | 20 LF | 2" | K Copper | 4.79 /100 FT | 7.44 | 70 | 0.96 |
| Backflow: | 1 | 2" | Febco 825YA | | | 70 | 12.50 |
| Stop & Waste: | 1 | 2" | Typical Stop & Waste Valve | | | 70 | 0.30 |
| Master Valve: | 1 | 2" | Rainbird EFB | | | 70 | 2.40 |
| Flow Sensor: | 1 | 2" | <FS Description> | | | 70 | 0.00 |
| PRV: | 1 | 2" | Watts 223HP | | | 70 | 12.00 |
| Gate Valve: | 4 | 2" | Typical Bronze Gate Valve | | | 70 | 4.00 |
| Pressure Required at Head: | | | Pop-Up | | | | 30.00 |
| Lateral Allowance: | | | | | | | 3.00 |
| Control Valve allowance: | | | 2" Rainbird PEB | | | 70 | 4.50 |
| Mainline allowances: | | | | | | | |
| | 2740 LF | 2 1/2" | CL 200 PVC | 1.06 /100 FT | 4.22 | 70 | 29.04 |
| | 0 LF | Looped | 2" CL 200 PVC | 0.74 /100 FT | 3.69 | 70 | 0.00 |
| | 0 LF | | 2" CL 200 PVC | 2.69 /100 FT | 6.18 | 70 | 0.00 |
| Mainline Fitting allowance: | | | 5% of Mainline allowances | | | | 1.45 |
| Elevation: | | | | | | | |
| | Tap Elev. | 5840 | | Control Valve Elev. | 5825 | | -6.50 |
| Factor of Safety: | | | 5% System Losses | | | | 4.77 |
| | | | Total System requirements (PSI) | | | | 100.08 |
| | | | Available pressure (PSI) | | | | 103.00 |
| | | | Difference (PSI) | | | | 2.92 |

HYDRAULICS

C2

| Project Compark Village So. Filing 2 | | | | | | | | | | |
|---|------------|------------------------|--------------------|---------------|-------------------|-----------------------|--------------------|------------------------|--|--|
| Location Parker | | | | | | | | | | |
| Date: 07-Oct-16 | | | | | | | | | | |
| Controller A - Point of Connection # 1 (2") | | | | | | | | | | |
| Target Watering Window = six nights per week - six hours per night (36 hours/week) | | | | | | | | | | |
| Estimated weekly application = 1.80" (Spray Irrigated Bluegrass Sod) | | | | | | | | | | |
| Estimated weekly application = 0.68" (Spray Irrigated Native Seed) - Establishment Irrigation Only | | | | | | | | | | |
| Estimated weekly application = 1.23" (Spray Irrigated Shrubs & Perennials) | | | | | | | | | | |
| Estimated weekly application = 0.89" (Drip Irrigated Shrubs & Perennials) | | | | | | | | | | |
| Prepared by HydroSystems-KDI, Inc. | | | | | | | | | | |
| Zone No. | Plant Type | Zone Description | Precip. Rate in/hr | Zone Flow GPM | Peak Demand In/wk | Zone run time minutes | Water usage gal/wk | Operating Pressure psi | | |
| A1 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A2 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A3 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 3,780 | 30.00 | | |
| A4 | Turf | PC Rotor #6 | 0.78 | 70 | 1.80 | 23.08 | 9,692 | 35.00 | | |
| A5 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 3,780 | 30.00 | | |
| A6 | Turf | FC Rotor #3 | 0.23 | 19 | 1.80 | 78.26 | 8,922 | 35.00 | | |
| A7 | Turf | FC rotor #30 | 0.63 | 36 | 1.80 | 28.57 | 6,171 | 35.00 | | |
| A8 | Turf | PC Rotor #6 | 0.78 | 68 | 1.80 | 23.08 | 9,415 | 35.00 | | |
| A9 | Turf | Subsurface 0.3 12" 18" | 1.00 | 3 | 1.80 | 18.00 | 324 | 30.00 | | |
| A10 | Turf | Subsurface 0.3 12" 18" | 1.00 | 3 | 1.80 | 18.00 | 324 | 30.00 | | |
| A11 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.90 | 160 | 30.00 | | |
| A12 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A13 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 30 | 30.00 | | |
| A14 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 3,780 | 30.00 | | |
| A15 | Turf | PC Rotor #6 | 0.78 | 62 | 1.80 | 23.08 | 8,585 | 35.00 | | |
| A16 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A17 | Turf | PC Rotor #3 | 0.23 | 19 | 1.80 | 78.26 | 8,922 | 35.00 | | |
| A18 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.90 | 160 | 30.00 | | |
| A19 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 30 | 30.00 | | |
| A20 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A21 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 30 | 30.00 | | |
| A22 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 30 | 30.00 | | |
| A23 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 30 | 30.00 | | |
| A24 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A25 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A26 | Turf | PopUp Spray | 1.00 | 69 | 1.80 | 18.00 | 7,452 | 30.00 | | |
| A27 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A28 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 30 | 30.00 | | |
| A29 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 30 | 30.00 | | |
| A30 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A31 | Turf | PopUp Spray | 1.00 | 69 | 1.80 | 18.00 | 7,452 | 30.00 | | |
| A32 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 30 | 30.00 | | |
| A33 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A34 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A35 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 30 | 30.00 | | |
| A36 | Turf | Subsurface 0.3 12" 18" | 1.00 | 3 | 1.80 | 18.00 | 324 | 30.00 | | |
| A37 | Turf | Subsurface 0 12" 18" | 1.00 | 3 | 1.80 | 18.00 | 324 | 30.00 | | |
| A38 | Turf | PopUp Spray | 1.00 | 52 | 1.80 | 18.00 | 5,616 | 30.00 | | |
| A39 | Turf | PC Rotor #6 | 0.78 | 56 | 1.80 | 23.08 | 7,754 | 30.00 | | |
| A40 | Turf | FC Rotor #6 | 0.39 | 17 | 1.80 | 46.15 | 4,708 | 35.00 | | |
| A41 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A42 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A43 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 30 | 30.00 | | |
| A44 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 30 | 30.00 | | |
| A45 | Turf | PopUp Spray | 1.00 | 52 | 1.80 | 18.00 | 5,616 | 30.00 | | |
| A46 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A47 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 30 | 30.00 | | |
| A48 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 30 | 30.00 | | |
| A49 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A50 | Turf | PopUp Spray | 1.00 | 52 | 1.80 | 18.00 | 5,616 | 30.00 | | |
| A51 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A52 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 30 | 30.00 | | |
| A53 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 30 | 30.00 | | |
| A54 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A55 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A56 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 30 | 30.00 | | |
| A57 | Turf | PopUp Spray | 1.00 | 35 | 1.80 | 18.00 | 30 | 30.00 | | |
| A58 | Shrub | Drip | 1.00 | 3 | 0.89 | 8.88 | 160 | 30.00 | | |
| A59 | Turf | PC Rotor #3 | 0.46 | 49 | 1.80 | 39.13 | 11,504 | 35.00 | | |
| A60 | Turf | Subsurface 0.2 12" 18" | 1.00 | 3 | 1.80 | 18.00 | 324 | 30.00 | | |
| A61 | Native | FC Rotor #6 | 0.39 | 17 | 0.68 | 17.44 | 1,778 | 35.00 | | |
| A62 | Native | Hibop Spray | 1.00 | 19 | 0.68 | 6.80 | 775 | 35.00 | | |
| A63 | Native | PC Rotor #6 | 0.78 | 39 | 0.68 | 8.72 | 2,040 | 35.00 | | |
| A64 | Native | PC Rotor #6 | 0.78 | 45 | 0.68 | 8.72 | 2,554 | 35.00 | | |
| A65 | Native | PC Rotor #6 | 0.78 | 48 | 0.68 | 8.72 | 2,511 | 35.00 | | |
| A66 | Native | FC Rotor #6 | 0.39 | 34 | 0.68 | 17.44 | 3,557 | 35.00 | | |
| A67 | Native | PC Rotor 25 | 0.67 | 11 | 0.68 | 10.15 | 670 | 35.00 | | |
| Total projected peak season water use per week (gallons) | | | | | | | | 133,476 | | |
| Total peak season hours per week - Controller A* | | | | | | | | 112.80 | | |
| *Based upon sequential operation of zones. System has been designed to operate multiple zones simultaneously up to 70GPM. | | | | | | | | | | |

CONTROLE "A" CHART

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TOWN OF PARKER APPROVALS

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWNS STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATION. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

THIS REVIEW DOES NOT CONSTITUTE APPROVAL OF ANY PRIVATE ON-SITE IMPROVEMENTS WHICH MAY BE SHOWN. CONSTRUCTION CANNOT COMMENCE UNTIL ALL REQUIRED DRAINAGE/TRAFFIC REPORT(S), FINAL DEVELOPMENT PLAN(S), SPECIAL REVIEW(S), GRADING PERMIT, AND/OR OTHER PERMITS ARE COMPLETE, APPROVED AND ON FILE WITH THE TOWN OF PARKER.

| | |
|---|------|
| TOWN OF PARKER, PUBLIC WORKS DIRECTOR | DATE |
| TOWN OF PARKER, PUBLIC WORKS MANAGER-STORMWATER | DATE |
| TOWN OF PARKER, PUBLIC WORKS MANAGER-TRANSPORTATION | DATE |

| Project Name: Compark Village So. Filing 2 | | | | | |
|---|-----------------|---------|------------------------------|-----------------------------|-----------------------------|
| Project Location: Parker | | | | | |
| Date: 03-Oct-16 | | | | | |
| Seasonal Water Use and Peak Flow Projections Prepared By HydroSystems-KDI, Inc. | | | | | |
| Description | Irrigated Acres | Month | Application Rate (in./month) | Monthly water use (gallons) | Maximum Required Flow (GPM) |
| Spray Irrigated | | | | | |
| Bluegrass Sod | | | | | |
| | 0.69 | April | 6.26 | 117,311 | |
| | | May | 7.85 | 146,999 | |
| | | June | 10.00 | 187,352 | |
| | | July | 10.89 | 204,069 | 15.6 |
| | | August | 9.71 | 181,875 | |
| | | Sept. | 7.43 | 139,217 | |
| | | October | 5.22 | 97,711 | |
| annual sub-total | | | 57.35 /yr | 1,074,533 /yr | |
| | | | | 3.30 /acreft | |
| Spray Irrigated | | | | | |
| Native Seed | | | | | |
| | 1.92 | April | 1.74 | 90,934 | |
| | | May | 2.19 | 113,947 | |
| | | June | 2.79 | 145,227 | |
| | | July | 3.03 | 158,185 | 16.5 |
| </ | | | | | |